

Livermore

Lithogram



**Volume XXXVII, Number 9
September 2012**

**Livermore Valley Lithophiles
Livermore, California**

Next General Meeting:
Thursday, Sept. 13, 2012
Livermore Library Community Room
7:30 PM

Program: A Recap of the Davis Creek Field Trip

Next Board Meeting:
Thursday, Sept 27, 2012
At the Shop
Members are welcome to attend!

Meeting Location: Livermore Library Community Room

Refreshments:

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Presidents Message:

Languorous Labor Day Lithophiles! I hope that you a wonderful summer. I write this in the midst of preparing for the Davis Creek field trip. We hope to have a great trip, finding some splendid obsidian samples and enjoying good times with our fellow Lithophiles. Be sure to come to the September general meeting to learn all about the trip and to see the treasures that we collected.

The Club Picnic was great – about 18 club members came to enjoy each other's potluck food (and to tolerate Rich's burnt hotdogs). All had a good time. We even got in that vicious game of petanque, and the Davisson kids got to ride with Nancy out into the pasture to feed the horses.

It's time to start planning for next year, and the first step is to select a nominating committee to choose a slate of officers for 2013. If you want to serve on the nominating committee, please let me know. You can also tell me now if you're interested in serving as an officer -- that will make the committee's job a little easier if they know who is interested in what office.

If we don't have your email address, please send it to the info@lithophiles.com address so we can keep you aware of last minute "lithonews."

-Rich Hunt rcjhunt@comcast.net 925-443-5525

Minutes of the Board Meeting

August 23, 2012

Meeting was commenced at 7:39. President Rich Hunt, Treasurer Shelly Burchberger, Vice-president Lee Davisson, Shop Forman Dick Friesen, and Club member Andrea Rodriguez were present.

Lithorama: The upcoming club show was discussed briefly. Lee Davisson, show chairman, inquired as to the status of the annual show's preparations. Shelly Burchberger stated she had received 3 dealer vendor table fees checks. Also, that she had received correspondence from the State regarding the club's filing for a refund for previously amended tax returns.

Dick Friesen stated that all of the dealers had been sent the invitations, and most of the exhibitors. Dick has corralled three demonstrators and is trying to get more. A few of the exhibitors have yet to confirm their attendance. A motion was proffered to replace the "banner" for the show's street advertising by Andrea Rodriguez. After a brief discussion, the motion was seconded by Dick Friesen, voted on and passed. Bill Beiriger is in charge of the logistics of the banner's procurement.

Lithorama advertising post cards were disseminated to those members present, to take to various venues for distribution.

Shop Report: Dick Friesen reported that the wheels on the grinder on the east wall need to change from expandable drums to diamond sanding wheels. After discussing the cost and logistics of the changeover, a motion by Lee Davisson to have Dick Friesen buy the new wheels and make the changeover was seconded by Bill Beiriger, the motion carried.

Rich Hunt stated that the 220 grinding wheel on the south wall had begun leaking profusely and need repairs. Dick Friesen looked at the back of the water station and noted the corrosion that was the cause of the leak. Dick said he would have to think about how to repair it first, but would see to it in the near future.

Shelly burchberger stated that it was questionable as to the safety with regards to the electrical outlets, as she thought there should be a "ground fault" device attached to the circuits. A check was made, and it was discovered that the outlet nearest the sink had one and the one near the trim saw also had one, the east wall equipment, the south wall equipment, but the big saws do have one. No decision was made, but it was suggested that we ask Frank about it.

Correspondance: Shelly brought up the correspondance from the city regarding their membership solicitation in their "partnership program". It was discussed and agreed upon that Shelly will get more onfo before the club makes a decision.

Schools: Lee Davisson brought up the subject of approaching the schools that his children are in presently, and offering to have someone come down and give a science presentation from the club. Bill Beiriger has done alot of similar presentations with the elementry schools, and after some discussion, Lee agreed to make contact with the middle schools.

Bill Beiriger mentioned that two of our members had passed, Jim Gruver and Dan Gilmore, and there was more info regarding these longtime members, on the club website. Rich Hunt mentioned that the club will need to deal with the rock material still stored on Jim Gruver's property.

Meeting was adjourned at 9:15pm

Secretary absent, minutes by Andrea Rodriguez

Schools

The State Curriculum

Bill Beiriger

I went online to find out what the State of California requires of the students in our Elementary Schools and had my eyes opened to a whole new world since I was in elementary school, graduating in 1955. I did not attend Kindergarten, so I may have just missed the introduction to this whole process.

Below is what is required in the Geology part of Earth Sciences. The grades covered are Kindergarten, Second, Fourth and Sixth. The information is taken from the Common Core State Standards for the State of California, 2011 Edition.

Kindergarten:

‘The World Around Me’ - Students know characteristics of mountains, rivers, oceans, valleys, deserts, and local landforms.

Second Grade:

‘The Earth Rocks’ - Students know how to compare the physical properties of different kinds of rocks and know that rock is composed of different combinations of minerals. They also know smaller rocks come from the breakage and weathering of larger rocks and that soil is partly made from the weathered rock.

Students know that fossils provide evidence about the plants and animals that lived long ago and that scientists learn about the past history of Earth by studying fossils.

Fourth Grade:

‘Rocks and Minerals’ - Students learn that the properties of rocks and minerals reflect the processes that form them. They study the rock cycle and learn to differentiate among igneous, sedimentary, and metamorphic rocks by referring to their properties and methods of formation. Fourth-graders also learn how to describe, sort, and classify minerals using the properties of hardness, cleavage, color, and streak and develop the ability to use a table of diagnostic properties to identify common rock-forming minerals and ore minerals.

They also study the processes of weathering and erosion and learn that these processes continually form sediments that form new rocks as a part of the constant recycling of Earth’s crust. This section covers the action of waves, wind, water and ice. They also learn that rapid changes can take place because of landslides, volcanic eruptions, and earthquakes.

Sixth Grade:

‘Plate Tectonics and Earth’s Structure’ - Sixth-grade students learn about the evidence of past plate tectonic movement and about landforms and topographic features - such as volcanoes, mountains, valleys, and mid-ocean ridges - generated by plate movement. They discover that major geologic events, such as earthquakes, volcanic eruptions, and mountain building, result from plate movement and often occur at the boundaries of the plates.

Students also learn that Earth is composed of three distinct layers: the lithosphere, the mantle, and the core. They understand that the flow of heat and material within Earth drive the movement of lithospheric plates, and they apply an understanding of plate tectonics to explain the major features of California geology.

Students study earthquakes in some detail and understand that the effects of an earthquake on a region may vary depending on the size of the earthquake, the distance between the region and the earthquake’s epicenter, the local geology, and the type of construction in the region.

They also cover advance information on earthquakes, volcanic eruptions, landslides, and floods and how they shape the Earth’s surface and how they change human and wildlife habitats.

Member Dan Gilmore passed away in Price, Utah on August 14th.

Dan and Joan were longtime members of the Lithophiles. They both spent many hours working on the preparation of the food for Lithorama. Joan would make large pots of soup cooking for both days of the show, the soup would slow cook all night and would be taken care of by the security watch.

Daniel Earl Gilmore, 82, passed away Aug. 14, 2012 at his home in Price. He was born to Robert J. and Anna B. Gilmore on Sept. 12, 1929 in Basin, WY. He married Joan Raydell Fleming on April 22, 1950 in Basin, WY and she passed away July 3, 2011. After graduating from Provo Trade Technical College Daniel then went to work at the Lawrence Livermore Radiation Lab in California in 1967. He returned to Utah in 2009 and prior to that they lived and raised their children in Washington, Wyoming, Colorado, Utah and California. While in California they raised 2 grandchildren left after the passing of their two daughters. Daniel was a member of the Elks Lodge #2117 for many years and also belonged to camping clubs, rock hounding clubs, and enjoyed camping with the family and making jewelry from the rocks he and Joan would find. Daniel loved his family and enjoyed having them around.

He is survived by his children: Linda Jean (Chris) Jensen, of Huntington, Patrick A. Gilmore of Bakersfield, CA, Victor D. (Happy) Gilmore of Helper and 14 grandchildren, 39 great grandchildren, and 5 great-great grandchildren. He was preceded in death by his parents, his wife of 61 years, 9 siblings, 2 daughters, a son, and 2 grandchildren.



Our Alaska Vacation

Bill Beiriger

Joan and I had a great trip to Alaska this summer. We left from Oakland airport and boarded Holland America's ship Zuiderdam in Vancouver, Canada.

We sailed from Vancouver and had a stop in Juneau, Alaska and then left the ship in Skagway, Alaska. The biggest problem with the trip is after you leave the ship you don't have all the good food to eat.

At Skagway we boarded the White Pass & Yukon Route narrow gauge train and took it to the town of Fraser, Canada. Normally you would ride the train to Whitehorse, Canada, but a couple of years ago there was a lot of damage to the tracks because of winter storms, so until the tracks are repaired the train turns around at Fraser.

So, after leaving the train in Fraser, you board a very nice motor coach and take it to Whitehorse, Canada. We made several stops along the way before arriving in Fairbanks; including Kluane N.P. visitors center and the town of Beaver Creek both in Yukon Terr., Canada. We stopped at the 141 Meridian, the dividing point between Yukon Territory and Alaska. Then we went on to North Pole, Alaska, the home of the Santa Clause Post Office.

After arriving at Fairbanks we left the train and had a day and a half to see the town. Part of the time we were on our own and part of the time was as a group. The group part of the trip included a trip aboard the Paddle Wheeler Discovery where we spent a couple of hours on the Yukon River making stops at Chena Athabaskan Village, Gold Dredge #8, the Alyeska Oil Pipe Line and it ended with a great family style lunch.

At Fairbanks we boarded the McKinley Explorer Train for a four-hour trip to Denali N.P. where we spent three days. Part of the time we could hike, sit or do nothing. At 4:30 in the afternoon on our second day we boarded a 'School Bus' that had good seats and took a trip thru the main part of Denali. We saw a lot of animals, rivers and mountains along the way and we returned to our rooms at 11:30 PM in daylight conditions.

On the last day at Denali we again boarded the McKinley Explorer Train for an eight-hour trip to Anchorage, Alaska. After leaving the train in Anchorage the trip officially ended, but Joan and I spent an extra day there to see some of the city.

If you are interested in all the things we did and the places we saw please come to the October 11 General Meeting where I will present an iMovie of the trip. This was ONE GREAT TRIP and if you get a chance to take a similar one, DO SO.

The Cascade Volcanoes of California, Oregon and Washington.

Compiled by Bill Beiriger

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



Mount Baker - Washington

Last Eruption - 1880

10,777 feet

48.777° N 121.813° W

Mount Baker, the northernmost of Washington's volcanoes, is a 3285-m-high glacier-clad andesitic stratovolcano constructed above the east flank of the eroded mid-Pleistocene Black Buttes volcano and SW of the early Pleistocene 4.5 x 8 km rhyodacitic Kulshan caldera. With the exception of the Schreibers Meadow cinder cone on the SE flank, which formed about 9800 years ago, Holocene volcanism has been confined to the central conduit. A major magmatic eruption at Mount Baker about 6500 years ago was the largest eruptive event at the volcano during the Holocene and was accompanied by a major collapse event that produced a lahars down the Nooksack drainage. Early settlers in the Puget Sound region as far away as Victoria, British Columbia observed 19th-century activity, all of which consisted of relatively minor phreatic eruptions. Sherman Crater, the historically active crater immediately south of the summit, has been the site of increased steam emission since 1975..

Photo by Lee Siebert, 1981 (Smithsonian Institution).

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

Shop Talk

By Frank Gouveia

Here are some highlights of what went on in the shop during the month of July. I was only able to make it there once so most of these stories were gathered from the mice I have secretly watching everyone while I'm gone.

7/3/12 – Albert Hess opened the shop at 3pm and Stephanie Goldsmith showed up at 7pm for her shift as shop foreman. Josh Davisson came by and that's all the mice had to report for that evening. (I must train them better on gathering details)

7/10/12 – Stephanie covered for me as foreman since my cousin from Brazil flew up to see my mom after the passing of my dad. Thanks Steph I owe you one. According to Stephanie (and the mice) Natalie Dahling who had popped in a while back to check and see if we were still in business came in with her daughter Allison and joined as members. It's so nice to see the flock growing. Our new members worked on cabs to decorate a box and to put into pendants.

7/17/12 – I came in early to remove the water heater and do some bypass surgery so we would still have water running to the grinders. I was joined shortly after by new members Natalie and Allison Dahling. After removing the water heater and reconnecting the lines Allison went right to work grinding cabs and Natalie cut some blanks on the trim saw. Chris Hunt showed up promptly at 7pm for her foreman duties along with Dick Friesen our steady Eddy who is there every week rain or shine. Dick brought with him a bunch of flyers with information on the upcoming field trip to gather Obsidian at Davis Creek near Alturas. Dick and I connected the new propane shop heater and tested it for leaks. The new heater works great and now we need a home for the old one which still works...any takers? I also brought in some new safety glasses which are not pictured this month and Stephanie picked up some ear muff style hearing protection. A quick note on safety, anyone using the grinders or saws must wear eye protection and everyone under the age of 18 must wear hearing protection and that's all I have to say until next week.

7/24/12 – According to the mice Dick covered for Diana as foreman since she is still away on her secret mission for the government. Stephanie came in and was working on the grinders but stopped because one of the wheels had worn out. After throwing herself down on the ground and having a tantrum Dick changed out the wheel and peace was restored in the shop, thank goodness for our steady Eddy! Natalie came by and worked on some cracked open Geodes. She was grinding the edges of them flat so she could finish them on the flat lap.

7/31/12 – Wait a minute another 5th Tuesday!!! Who's foreman? We would let the mice do it but then we all know how that would end, it would start with a spiked cheese party and then the rats would show up and all hell would break out. Once again Dick showed up to save the day. No one came by so he shut down at 7:30pm.

If you haven't signed up yet please help and volunteer for a position in this year's Lithorama. Contact Vice president Lee Davisson. "The show must go on".

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

The Shop is open from 7pm to 10pm every Tuesday with extended hours on the third Tuesday of the month when the shop opens early at 3pm.

Shop Forepersons:

1st Tuesday – Stephanie Goldsmith

2nd Tuesday – Frank Gouveia

3rd Tuesday – Albert Hess (3pm to 7pm), Chris Hunt

4th Tuesday – Diana Carey

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Tuesday with extended hours on the third
Tuesday of the month when the shop opens
early at 3pm.



California Shows And Events

2012

August 31-September 3: FORT BRAGG, CA

Mendocino Coast Gem & Mineral Society

Town Hall
Corner of Main & Laurel Street
Hours: Fri-Sun 10 - 6; Mon 10 - 4
Jerry Sommer, (707) 937-1833

September 15-16: REDWOOD CITY, CA
Sequoia Gem & Mineral Society

Community Activities Building
1400 Roosevelt Avenue
Hours: 10 - 5 daily
Contact: Mary Lou Froese, (650) 755-8753
Email: mfroese@sbcglobal.net
Website: <http://sgms.driftdmine.com>

September 15-16: BORON, CA
Mojave Gem & Mineral Society

Downtown Boron
Email: rock5b@starband.net

September 22-23: CHICO, CA
Feather River Lapidary & Mineral Society

Silver Dollar Fairgrounds
2357 Fair Street
Hours: Sat 10 - 5; Sun 10 - 4
John Scott, (530) 321-6331
Email: jweazel@sbcglobal.net
Website: www.orovillerocks.com

September 29 - 30: MONTEREY, CA
Carmel Valley Gem & Mineral Society
Monterey Fairgrounds

2004 Fairgrounds Road
Hours: Sat 10 - 6; Sun 10 - 5
Contact: Janis Rovetti, (831) 372-1311, cell (831) 521-8226
Email: janis12@sbcglobal.net
Website: www.cvgms.org

September 29-30: SANTA ROSA, CA
Santa Rosa Mineral & Gem Society

Wells Fargo Center for the Art
50 Mark West Springs Road
Hours: Sat 10 - 6; Sun 10 - 5
Jolene Coon, (707) 849-9551
Email: coons@sonic.net
Website: www.srmgs.org

September 29-30: STOCKTON, CA
Stockton Lapidary & Mineral Club

Scottish Rite Masonic Center
33 W. Alpine Avenue
Hours: 10 - 5 daily
Contact: Dorothy Tonnacliff (209) 603-4539 or Jan Bradley (209) 629-3878
Email: slmshow@juno.com
Website: www.stocktonlapidary.com

October 13-14: GRASS VALLEY, CA
Nevada County Gem & Mineral Society

Nevada County Fairgrounds (Main Building)
11228 McCourtney Road
Hours: 10 - 5 daily
Contact: Kim Moore, (530) 470-0388

Email: Webmaster@ncgms.org
Website: www.ncgms.org

October 20-21: ANDERSON, CA
Shasta Gem & Mineral Society

Shasta County Fairgrounds, Briggs Street
Hours: Sat. 9 - 5; Sun. 10 - 4
Sara Fenske, Email: sarafenske@yahoo.com
Show Website: www.shastagemandmineral.com

November 17 & 18, 2012 Livermore
LITHORAMA 2012 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

Show information is available at the California 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

Livermore Valley Lithophiles

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



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 Sept 13th, at 7:30 PM
Board Meeting Sept 27th (OPEN to Members)