

Livermore



Lithogram

Volume XXXIX, Number 1
January 2014

Livermore Valley Lithophiles
Livermore, California

Next General Meeting:
 Thursday, Jan. 9, 2014
Livermore Library Community Room
 7:30 PM

Program:

Next Board Meeting:
 Thursday, Jan. 23, 2014
At the Shop
 Members are welcome to attend!

Meeting Location: Livermore Library Community Room 'A'

Refreshments: Jane Crone and Jenny Siders

MEMBERS DUES ARE DUE	
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Presidents Message:

For the past two years I have been Show Chair for our annual Lithorama. In both years what has struck me as remarkable is the unprompted arrival of many club members ready to participate in show setup, its operation, and its cleanup. The whole operation runs itself, and I had quickly realized it wouldn't tolerate any meddling from a novice like me. The other thing I recognized and learned about our club is the depth and breadth of camaraderie among its long-term members. Also, this spirit of camaraderie is matched with extraordinary talent and expertise in the mineral and lapidary arts.

So the question that repeatedly comes to my mind is: how as a club can we do a better job at including our newer members and our junior members (yes we have them!) in this spirited circle and to get you seasoned members to further share your knowledge? Well we have partly begun answering this question with the creation of a 4-H program in our club. Last year was our first and we successfully taught participants how to make their first cabochon. Our second year has started with six new project participants. We are discussing expansion of the program into beading, particularly for the younger members of 4-H who cannot use the shop equipment yet.

Minutes of the General Meeting

Oct. 10, 2013

Presidents Message - continued from pg. 1

A second area that I think warrants enthusiasm is the creation of a Junior Program, and some informal discussion among some members has been ongoing. AFMS offers an excellent framework for individual activities for youth interested in anything from geology to jewelry-making, which makes its implementation straightforward. The challenge for our club however is convincing you talented lot to donate some of your time. Discussions will continue and I'll have more on this in later issues of the Lithogram, but if you are interested speak-up and make yourself heard.

Lastly, my opinion is that our monthly general meetings could use some new and creative approaches. I particularly think that more hands-on activities are needed, and sharing of ideas and accomplishments among members young and old could go a long way to creating a welcoming and inclusive experience for us all. Please share your thoughts and opinions on this one, but regardless expect some efforts on my part to implement this.

By default I have become acting club President, even though I'm currently Vice President. This is probably not a good idea given our By-Laws state "The Vice-President shall perform the duties of the President in his absence and shall be an ex-officio member of all committees." It's tough to back myself up if I'm also President. So my suggestion is that you step forward and ask how you can help. I encourage newer members in particular. Being an officer is a great way to learn quickly, and I do say this from experience since I've been in the club less than 5 years.

With that, I want to close by thanking all those club members who dedicate their time routinely to keep the club operating and have provided their talents and experience to helping the club grow.

Lee Davisson - Vice President

Minutes of the Board Meeting

Nov. 24, 2013

Here are the minutes from the meeting held at Dick Friesen's after Lithorama 2013.

A 1905 hrs a board meeting was called at the "after show/take down dinner" and in addition to discussing the success/failure of this year's Lithorama, it was decided to consider expanding the children's corner to perhaps the dining room or other nearby space, for next year's Lithorama.

Some members suggested bead making for the 4-H Junior members, and also, a fossil dig. It was motioned by Nancy Bankhead to task Bill Bisch with obtaining fossils, and it was seconded by Andrea Rodriguez, and Bill is authorized to purchase up to two year's worth of fossils while at Tucson 2013. The amount to be spent not to exceed \$800.00.

Nancy Bankhead also motioned to purchase beads for a Junior beading booth at next year's Lithorama 2014. This motion was not carried and was tabled until further research could be done.

The Lithorama was attended by 955 adults, and 353 children. Total amount of expenditures and gross intake was not available.

LITHORAMA

Photos



Connie & Sue - Hit the Wood Not the Hand



Dick & Rich - The Puzzle - Not Again this Year



Pat & Joan - Hanging Out with the Stars



Rich & Frank - It Goes Up Right - Not on the Back



Frank & David - Waiting for the People



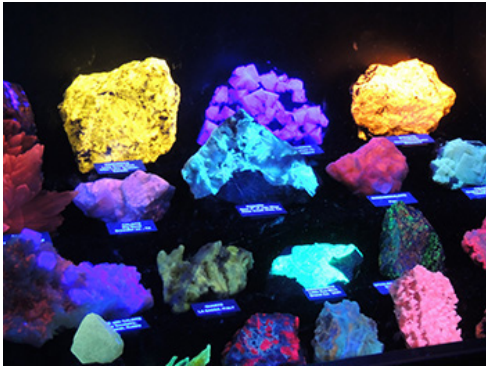
Larry - The Cabber Guy



Josh, Marilyn & Stephanie - The Auction



Bill B. & Terry Greenaway (Teacher) - Big Kids





Christmas / Hanukkah Party and Meeting



The Volcanoes of Alaska.

Compiled by Bill Beiriger

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



Martin - Alaska Peninsula

Last Eruption - 1953

6,112 feet

58.172° N 155.361° W

The mostly ice-covered Mount Martin stratovolcano lies at the SW end of the Katmai volcano cluster in Katmai National Park. The volcano was named for George C. Martin, the first person to visit and describe the Katmai area after the 1912 eruption. Mount Martin is capped by a 300-m-wide summit crater, which is ice-free because of an almost-constant steam plume and contains a shallow acidic lake. The edifice of Martin volcano overlies glaciated lava flows of the adjacent mid- to late-Pleistocene Alagoshak volcano on the WSW and was constructed entirely during the Holocene. Mount Martin consists of a small fragmental cone that was the source of ten thick overlapping blocky dacitic lava flows, largely uneroded by glaciers, that descend 10 km to the NW, cover 31 sq km, and form about 95% of the eruptive volume of the volcano. Two reports of historical eruptions that originated from uncertain sources were attributed by Muller et al. (1954) to Martin. Steam rises from the summit crater and sulfur stains the snow and ice in this 1990 view.

Photo by Christina Neal, 1990 (U.S. Geological Survey, Alaska Volcano Observatory).

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

About Quartz

(By C.E. Johnson)

The mineral we call Quartz is probably the most well-known mineral among rockhounds and prospectors, and the most prolific mineral collected; no doubt because it is plentiful and it occurs in a tremendous variety of forms and colors, so it's no wonder that it has been given so many variety names. However, It may be of interest to some rockhounds that as plentiful as Quartz is, it's just the second-most plentiful solid substance in nature on earth. Feldspar is first by a large percentage, but only a few varieties of this are valuable to rockhounds.

Quartz is composed essentially of Silicon & Oxygen, and is basically colorless or whitish in its more or less chemically "pure" form, but it often includes minor so-called "impurities", which gives it various colors. It's a very hard mineral, (on a scale of 1 to 10, it's a #7) so of course it is very resistant to scratching and abrasion and it resists the usual "chemicalweathering" effects much better than many other minerals.

Quartz is noted for crystallizing very nicely whether small or large, and the crystals often occur in clusters. The most attractive crystals are often transparent, but many have occurred as the more attractive purple-colored "amethyst"; and others occur as "smoky-quartz" crystals.

Some quartz occurs as "agate" & "jasper", "chert", and "flint", and even some "petrifiedwood" are forms of quartz.

Of course not all quartz is valuable or even worth collecting; much of it occurs as a common "rock-making" mineral in many of the Granite-family rock formations and other igneous rock formations, and it's the main mineral of sandstone, quartzite, beach-sands, and in most water-courses with the gravel & rocks; and it's common & plentiful in shale-rock formations; yet it also occurs as valuable minerals, such as precious Opal, and sem-precious gemstone material and other rockhound minerals of various values, such as "cats-eye", "tigers-eye", "onyx", "citrine", and "aventurine".

Special igneous rock formations known as "pegmatites" which are bred by ordinary granite formations produce the largest and best-formed quartz crystals, often along with large crystals of other valuable minerals, including especially valuable gemstone minerals.

Many ordinary "quartz-veins" also produce considerable crystallized quartz, especially in the uppermost portions of "newly-formed" veins. Ordinarily they occur there in clusters of very numerous well-terminated small crystals which are usually clear brilliant-looking, or whitish. These are usually found lining the walls of narrow open spaces, The clear ones especially make attractive specimens around the home or office, etc.

Chalcedony is a group name for many quartz minerals which do not crystallize, but many do occur in various attractive forms & colors. Some of these often line the walls of cavities in some sedimentary rocks and volcanic rocks, and are then known as "geodes" (other minerals may occur with the quartz in the geodes, or they may occur in geodes without the quartz, in much the same manner)(these others, such as calcite, barite, etc. often occur as crystal clusters projecting inward).

from 2012 SCRIBE DVD

California Shows And Events

2014

January 17-26: Quartzsite, AZ
Annual Show **Tyson Wells Tyson Wells Show** Grounds, 100 W. Kuehn St., Daily 9-5, free admission Contact Kym Scott, 928-927-6364 email: tysonwells@tds.net Website: www.tysonwells.com

January 1-28: Quartzsite, AZ Annual Show, **Desert Gardens Show** Grounds 1055 Kuehn Rd. Daily 9-5, free admission Contact Dennis Kuehl 623-606-0053 email: cad53148@yahoo.com website: www.desertgardensrvpark.net

February 1-15: Tucson, AZ Wholesale and Retail Shows at three locations Daily 10-6, free admission Contact Regina Aumente 505-867-0425 email: mzxpos@gmail.com website: www.mzxpos.com

February 15-24: INDIO, CA
San Geronio Mineral & Gem Society, Riverside County Fair 1 & National Date Festival 46350 Arabia Street
Hours: 10 - 10 daily
Contact: Bert Grisham 915-849-1674, 951-288-9025 cell
bert67@verizon.net

February 21 - 23: NEWARK, CA
Mineral & Gem Society of Castro Valley
Newark Pavilion
6430 Thornton Avenue
Hours: Fri & Sat 10 - 6; Sun 10 - 5
Contact: Cathy Miller
Email: info@mgscv.org
Website: www.mgscv.org

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 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

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

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 OPEN
V. President Lee Davisson (leedavisson@sbcglobal.net)
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. (**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 Jan. 9th, at 7:30 PM
Board Meeting Jan. 23rd 7:30, At the SHOP