

# Livermore

# Lithogram



**Volume XXXVI, Number 11  
November 2011**

**Livermore Valley Lithophiles  
Livermore, California**

Next General Meeting:  
Thursday, Nov. 10, 2011  
**Livermore Library Community Room**  
7:30 PM

**Program:** **Final information and sign-ups for  
Lithorama Gem & Mineral Show.**  
**PLEASE COME TO THIS MEETING**

Next Board Meeting:  
Thursday, Nov. 24, 2011  
7:30 at 'The Shop'  
Members are welcome to attend!

**Meeting Location:** Livermore Library Community Room

**Refreshments:** Nancy Bankhead and Albert Hess

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### **Presidents Message:**

Hello again Lithophiles,

The Lithorama is upon us once more. Our meeting at the Library November 10 will be devoted largely to signing people up to do the many tasks that a lapidary and earth science show entails. **Everyone will be needed.** Some strong souls are at Barn from set-up to tear-down, while others squeeze a vital two hours out of busy schedules. Please show up for the details.

Material is still being collected to donate to Las Positas College for their mineralogy lab sessions. If you have stuff to contribute please bring it to the meeting. Call me at (925) 443-5983 if you have questions.

Election of officers will take place at this meeting. We have a full slate of candidates (see elsewhere in this Lithogram), and nominations will be accepted from the floor before the vote. THANK YOU, THANK YOU Rich Hunt for being an effective nominating committee of one.

See you in a few days. Rest up!  
Hello everyone.

Bob Trimmingham - President

## Minutes of the General Meeting

October 13, 2011

The meeting was called to order at 7:34 PM by President Bob Trimmingham at the Livermore Library Community Room.

**Guests:** - Ms. Mary Gwinner and Ms. Sara Vermeys were present. Ms. Gwinner is Patti Iannucci's sister.

**Announcements:** Jay and Dianne Spingham announced that they would be moving out of town next week.

**Correspondence:** Checks were received for the Lithorama from Jewel Train and The Kleins.

**Minutes:** There were no September minutes prepared.

**Treasure's Report:** Diane Day gave a brief Treasure's Report. A fuller report will be given at the Board Meeting October 27.

**Lithogram:** Bill Beiriger is still in need of articles from members.

**Shop Report:** Shop attendance has been very low and will be discussed at the Board meeting October 27.

**CFMS Report:** Bob Whiteside reported that the Federation meeting will take place in November at Visalia. He also reported that he and his wife, Debbie recently attended the Camp Paradise venue.

**Schools:** Bill Beiriger has not had contact with the schools yet. He indicated that the schools may do crystal growing and help at the Lithorama. He will present a talk to the Scouts in November for their rock and mineral requirements for badges.

**Field Trips:** Bob Trimmingham would like to have a meeting in January to set up a schedule for the year's field trips. We need a Field Trip Leader; Bob would help the person. Bob and Deloris attended the North Bay Field Trip Coop meeting and paid our \$20 for 4 years, but apparently we have paid already for the last 4 years. There is some confusion on this matter.

**Lithorama:** Nancy Bankhead would like to have a meeting in a week or so at the Barn. We need cakes and pies. And, we need help setting up for the show. There are 3 cases left for any members interested in showing. It was decided by motion and voice vote to have 4 young persons from the Hunt's church help on Sunday, the last day of the show, to take down and clean-up. They would receive a \$25/person donation for their services. Bill Beiriger made the motion to this effect and Dick Friesen seconded. Bill Beiriger brought up the question as to whether or not we would have a show next year as we have to pay for the banner at the present time.

**Slate of Officers:** The Nominating Committee, chaired by Rich Hunt, announced the slate of officers for 2012. The slate includes **Rich Hunt, President; Lee Davisson, Vice President; Shelley Buchberger, Treasurer; and, Larry Patzkowski, Secretary.**

**Old Business:** No old business.

**New Business:** Los Positas College apparently needs minerals for collections that students can study. Twenty-four sets are contemplated. We will discuss this at the Board meeting if we have more details.

**Refreshments:** Nancy Bankhead and Albert Hess will provide refreshments for the November meeting.

**Program:** Bob Trimmingham presented an interesting slide show on minerals and collecting sites in Alameda County. Many of the slides covered sites visited over the last several decades and included photographs of minerals and collection locales.

The meeting adjourned at 9:06 PM.

Larry Patzkowski, Secretary

**Rich Hunt, Thank you for being the Nominating Committee and also for Nominating yourself for President.**

**Thanks also to Lee Davisson, Shelley Buchberger and Larry Patzkowski for taking an Office.**

## Minutes of the Board Meeting

October 27, 2011

Will Be Printed Next Month

# California Shows And Events

## 2011

### November 5-6: CONCORD, CA Contra Costa Mineral & Gem Society

Centre Concord 5294 Clayton Road  
(near Ygnacio Valley Rd.)  
Hours: 10 – 5 Daily Harry Nichandos,  
(925) 289-0454  
Email: brs@ccmgs.org Website:  
www.ccmgs.org

**November 11-13: SACRAMENTO, CA, Sacramento Mineral Society,**  
Scottish Rite Temple, 6151 H Street,  
Hours: Fri 10-6; Sat 10-5; Sun 10-4,  
Stanley Henneman (916) 363-5011,  
Email: Lakota27@sbcglobal.net,  
Website: www.sacramentomineralso-  
ciety.org

### November 12-13: YUBA CITY, CA Sutter Buttes Gem & Mineral Society

Yuba-Sutter Fairgrounds (Franklin  
Hall) 442 Franklin Ave.  
Hours: Sat 9 - 5; Sun 9 - 4 Erik Ans-  
paugh, (916)567-9750  
Email: rocks@hughes.net Website:  
www.sutterbuttes.net

**November 12: VALLEJO, CALIFOR-  
NIA:** 2nd annual show; **Vallejo Gem  
& Mineral Society;** Vallejo Veterans  
Bldg., 420 Admiral Callaghan Ln.;  
Sat. 9-5; Dan Wolke, 255 Essex Way,  
Benicia, CA 94510,  
(707) 745-1816; e-mail: dncwolke@  
sbcglobal.net;  
Web site: www.iwired.org

**November 19 & 20, 2011** Livermore  
LITHORAMA 2011 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 Min-  
eralogical Societies website: [www.cfmsinc.org](http://www.cfmsinc.org)

#### Additional Resources:

American Federation of Mineralogi-  
cal  
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.freeserv-  
ers.com](http://www.coop.freeserv-<br/>ers.com)

The California Federation of Min-  
eralogical Societies web page  
[www.cfmsinc.org](http://www.cfmsinc.org) gives everyone  
access to the CFMS Newsletter.

## Field Trips

Nov. 23-26 Location Paradise Springs, Barstow CA area,  
Annual Thanksgiving field trips. Mother Lode Society, Al Troglin - COOP  
See Previous Page for more info.

Nov. 21-26 Wiley's Well, CA, Thanksgiving field trips, CFMS. (See Scott Newman, CCMGS is going)

## **The Cascade Volcanoes of California, Oregon and Washington.**

Compiled by Bill Beiriger

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



### **Mount St Helens - Washington**

**Last Eruption - 2008**

**8,363 feet**

**46.20° N 122.18° W**

Prior to 1980, Mount St. Helens formed a conical, youthful volcano sometimes known as the Fuji-san of America. During the 1980 eruption the upper 400 m of the summit was removed by slope failure, leaving a 2 x 3.5 km horseshoe-shaped crater now partially filled by a lava dome. Mount St. Helens was formed during nine eruptive periods beginning about 40-50,000 years ago and has been the most active volcano in the Cascade Range during the Holocene. Prior to 2200 years ago, tephra, lava domes, and pyroclastic flows were erupted, forming the older St. Helens edifice, but few lava flows extended beyond the base of the volcano. The modern edifice was constructed during the last 2200 years, when the volcano produced basaltic as well as andesitic and dacitic products from summit and flank vents. Historical eruptions in the 19th century originated from the Goat Rocks area on the north flank, and were witnessed by early settlers..

Photo by Lyn Topinka, 1981 (U.S. Geological Survey, Cascades Volcano Observatory).

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

# Notes From The Natural History World

## Plesiosaurs Gave Live Births Dr. Luis Chappe, NHMDI

While Dr. Chappe and Dr. O'Keefe were studying a 78 myo (Mesozoic Era) fossil Plesiosaur at the Natural History Museum's Dinosaur Institute they found she was pregnant with an embryonic fetus. The specimen was found in Logan Co., Kansas in 1987.

## Ancient Cave Paint John Noble, New York Times

Ancient cave art and supplies of paint and tools were found in the Blombos Cave, 200 miles east of Cape Town, South Africa. This discovery has pushed art by early modern humans to 100,000 years ago. Previously no workshop older than 60,000 years and cave and rock art did not exist before 40,000 years ago.

## Minerals Named For Individuals From The San Francisco Bay Area

Armalcolite – Neil Armstrong, NASA Buz Aldrin & Michael Collins, American Astronauts (Mg,Fe<sup>++</sup>)Ti<sub>2</sub>O<sub>5</sub> Tranquility Base, The Moon

Alforsite – John T. Alfors, CGS Ba<sub>5</sub>Cl(PO<sub>4</sub>)<sub>3</sub>

Benitoite – (For San Benito, Co., CA), Described by George Louderback, UCB BaTiSi<sub>3</sub>O<sub>9</sub>

Chestermanite - Mr. Charles W. Chesterman, BAM CMDG Mg<sup>2+</sup>(Fe<sup>3+</sup>,Mg,Al,Sb<sup>5+</sup>)BO<sub>5</sub> Twin Lakes area, Fresno Co., CA

Edgarbaileyite - Dr. Edgar H. Bailey, BAM USGS Hg<sup>1+</sup><sub>6</sub>Si<sub>2</sub>O<sub>7</sub> Socrates Mine, Sonoma Co., CA

Edoylerite - Mr. Edward Oyler, BAM AMA Hg<sup>2+</sup><sub>3</sub>Cr<sup>6+</sup>O<sub>4</sub>S<sub>2</sub> Clear Creek Mine, San Benito Co., CA

Erdite - Mr. Richard C. Erd, BAM USGS NaFeS<sub>2</sub>·2H<sub>2</sub>O Coyote Peak, Humboldt Co., CA

Fencooperite - Mr. J.F. "Fen" Cooper, BAM AMA Ba<sub>6</sub>Fe<sup>3+</sup><sub>3</sub>[Si<sub>8</sub>O<sub>23</sub>](CO<sub>3</sub>)<sub>2</sub>Cl<sub>3</sub>·H<sub>2</sub>O Trumbull Peak, near Incline, Mariposa Co., CA

Foordite - Dr. Eugene E. Foord, BAM USGS Sn<sup>2+</sup>(Nb,Ta)<sub>2</sub>O<sub>6</sub> Lutsiro, Sebeya River, Rwanda

Goudeyite - Mr. Hatfield Goudey, BAM AMA Cu<sup>2+</sup><sub>6</sub>(Al,Y)(AsO<sub>4</sub>)<sub>3</sub>(OH)<sub>6</sub>·3H<sub>2</sub>O Majuba Hill Mine, Pershing Co., NV

Housleyite - Bob Housley, Pb<sub>6</sub>CuTe<sub>4</sub>O<sub>18</sub>(OH)<sub>2</sub>

Jagoite - Mr. John B. Jago-Trelawney, BAM AMA Pb<sub>2</sub>Fe<sup>3+</sup>Si<sub>4</sub>O<sub>12</sub>(Cl,OH) Langban Mine, Filipstad, Varmland, Sweden

Jahnsite - Dr. Richard H. Jahns, BAM SU CaMn<sup>2+</sup><sub>2</sub>Fe<sup>3+</sup><sub>2</sub>Fe<sup>2+</sup><sub>2</sub>(PO<sub>4</sub>)<sub>4</sub>(OH)<sub>2</sub>·8H<sub>2</sub>O (type: CaMnFe) Stewart Mine, Pala, San Diego Co., CA

Jonesite - Dr. Francis T. Jones, BAM USDA Ba<sub>4</sub>(K,Na)<sub>2</sub>Ti<sub>4</sub>Al<sub>2</sub>Si<sub>10</sub>O<sub>36</sub>·6H<sub>2</sub>O Dallas Gem Mine, San Benito Co., CA

Krauskopfite - Dr. Konrad B. Krauskopf, BAM SU BaSi<sub>2</sub>O<sub>4</sub>(OH)<sub>2</sub>·2H<sub>2</sub>O Big Creek/Rush Creek, Fresno Co., CA

Mcallisterite - Dr. James F. McAllister, USGS Mg<sub>2</sub>B<sub>12</sub>O<sub>14</sub>(OH)<sub>12</sub>·9H<sub>2</sub>O Furnace Creek Wash, Inyo Co., CA

Mcguinnessite - Mr. Albert L. McGuinness, BAM AMA (Mg,Cu<sup>2+</sup>)<sub>2</sub>(CO<sub>3</sub>)(OH)<sub>2</sub> Red Mountain, Mendocino Co., CA

Pabstite - Dr. Adolf Pabst, BAM UCB Ba(Sn,Ti)Si<sub>3</sub>O<sub>9</sub> Kalkar Quarry, Santa Cruz Co., CA

Paratimroseite - Tim Rose, BAM LLNL Pb<sub>2</sub>Cu<sub>4</sub>(TeO<sub>6</sub>)<sub>2</sub>(H<sub>2</sub>O)<sub>2</sub> Aga Mine, Otto Mtn., Baker, San Bernardino Co., CA

Parnauite - Mr. Jack Parnau, BAM AMA Cu<sup>2+</sup><sub>9</sub>(AsO<sub>4</sub>)<sub>2</sub>(SO<sub>4</sub>)(OH)<sub>10</sub>·7H<sub>2</sub>O Majuba Hill Mine, Pershing Co., NV

Rosenhahnite - Mr. Leo Rosenhahn, BAM AMA Ca<sub>3</sub>Si<sub>3</sub>O<sub>8</sub>(OH)<sub>2</sub> Russian River, near Cloverdale, Sonoma Co., CA

Tedhadleyite - Mr. Ted Hadley, BAM AMA Hg<sup>2+</sup>Hg<sup>1+</sup><sub>10</sub>O<sub>42</sub>(Cl<sub>1.14</sub>Br<sub>0.86</sub>)<sub>2</sub> Clear Creek Mine, San Benito Co., CA

Timroseite – Tim Rose, BAM LLNL Pb<sub>2</sub>Cu<sub>5</sub>(TeO<sub>6</sub>)<sub>2</sub>(OH)<sub>2</sub> Aga Mine, Otto Mtn., Baker, San Bernardino Co., CA

Wardsmithite - Dr. Ward C. Smith, BAM USGS Ca<sub>5</sub>Mg(B<sub>4</sub>O<sub>7</sub>)<sub>6</sub>·30H<sub>2</sub>O Hard Scrabble Claim, Inyo Co., CA

AMA: Amateur Mineral Collector

CGS: California Geological Survey

CMDG: California Division of Mines and Geology

LLNL: Lawrence Livermore National Laboratory

NASA: National Aeronautics and Space Administration

SU: Faculty of Stanford University

UCB: Faculty of University of California, Berkeley

USDA: U.S. Department of Agriculture

USGS: U.S. Geological Survey



## *Great Field Trip*

TRIP LOCATION – Paradise Springs, Barstow CA area

### TRIP DIFFICULTY RATING SCALE

Vehicle Access & Parking - #3-4, vehicle access and parking good for most vehicles and RV's, no specific handicap parking  
Collection or View Site - #6, ¼ to ½ mile with trails on hillsides, or through brush and creek beds

WHEN – November 23, 24, 25, 26, 27, 2011

SPONSOR CLUB – Mother Lode mineral society and Tule Gem and Mineral Society

### **LEADER & CONTACT INFO – MUST CONTACT BY NOV 18th.**

**Albert Troglin - Home (209) 838-7725 cell (209) 969-9944**

MEMBER'S GUESTS - Allowed

COLLECTION MATERIAL – Barstow onyx, butter onyx, silver lace onyx, palm root agate, other jasper and agate.

PROPOSED SCHEDULE - Arrive Wednesday. Thursday AM, collecting, turkey potluck @ 2 PM.

Friday, collecting all day. Saturday, collecting all day. Sunday return home.

DIRECTIONS TO SITE/CAMP – From Barstow Ca. east on I-15 to Fort Irwin Rd. exit #189, approximately 5 to 6 miles, turn left on Fort Irwin Rd. Go 21 miles. Look for MLMS CO-OP and Tule Gem and Mineral Society signs. Turn left on Ranch Rd. Go 1 ¼ mile to ranch, follow signs to camp area. If you come to a cement plant on Fort Irwin Rd you have gone ½ mile past the Ranch Rd.

VEHICLES REQUIREMENTS - Pickup, SUV, 2 wheel drive ok to collecting sites. No Hondas or hybrids.

CAMP/FACILITIES – We will be camping at the Walker Ranch. Plenty of room for RV and tent camping. This will be dry camping so bring your own water. There will be toilets for the tenters. We will have use of the swimming pool, spring fed hot tub.

TOOLS – You will need hammers, sledges, pry bar and chisels for the onyx. All other will be surface collecting.

SAFETY CONCERNS – The usual desert reptiles and other critters. Walk safely on rough terrain.

CLIMATE/WEATHER – Expect cold, warm, rain, wind, dust, and snow. It could be 70 degrees, we hope.

OTHER REMARKS – Turkeys, dressing and gravy will be provided. You need to bring the side dishes, desserts, drinks and any finger food for the campfire social. Fire wood provided by the Walker Ranch.

We will have a potluck Friday. Saturday, breakfast with hot cakes.

YOU MUST RSVP BY NOV. 18, 2011. We need a head count for the food, also a contact phone number if any changes should occur before departure. Motels are available in Barstow, CA. Come to camp with a full tank of fuel, 20 + miles to nearest service station.

FEES -none

## *Las Positas College Project*

Bob Trimmingham has been working with the Geology Department at Las Positas College to help with there mineral and rock samples.

Bob and Bill Beiriger have been able to gather several of the materials that is needed by the college.

They need to make 24 sets of minerals and rocks for the students to use and identify in the classroom.

Here are materials still needed:

Garnet Crystals - Dodecahedrons about 1/2 inch in size.

Albite Crystals - With great striations and no inclusions 2"x1"x1".

Augite Crystals - Blocky, green or greenish black 1"x1"x1".

Limonite - Good yellow color 1"x1"x2".

Basalt - Black not gray and no weathering rind 1"x1"x2".

Gabbro - Black not gray color no weathering rind 1"x1"x2".

Mudstone - Light specific gravity, does not react to acid 1"x1"x2".

Ulexite - No beveled edges.

Diabase or Dolerite - No weathering rind.

Needed as cabinet specimens:

Stibnite - Bladed crystals.

Botryoidal Hematite - Any size.

Quartzite - Need other colors except Pink & Green.

Marble - Need colors except Pink & White, must have vitreous luster.

If you can help with this project or if you have any questions about the materials need please call Bob at 443-5983 or Bill at 443-5769.

## *December Meeting is the Christmas Party*

The December meeting will be on December 8th, at 6:00 PM and will be our annual Christmas Party.

We will have the party in the Community Room at the Main Livermore Library on Livermore Ave.

**PLEASE DO NOT DROP OR SPILL FOOD ON THE CARPET, WE WILL BE RESPONSIBLE FOR THE CLEAN-UP.**

We will eat at 6:30.

Please bring a Pot-Luck item to share. The society will not supply any extra food, there will only be the Pot-Luck dishes. The Society will supply coffee.

Bring your own eating utensils and plates and cups.

## 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**     **Bob Trimmingham (925) 443-5983**  
**V. President**   **Open**  
**Secretary**     **Larry Patzkowski (925) 426-7768**  
**Treasurer**     **Diane Day (925) 606-0888**

**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 Nov. 10th at 7:30 PM**  
**Board Meeting Nov. 24th 7:30 PM -The Shop**