

Livermore

Lithogram



Volume XXXVII, Number 3 **Livermore Valley Lithophiles**
March 2012 **Livermore, California**

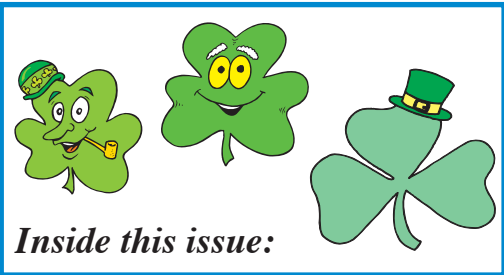
Next General Meeting:
 Thursday, March 8, 2012
Livermore Library Community Room
 7:30 PM

Program: Mineral Species First Discovered in California
Dr. Tim Rose - LLNL
- - - See Page 4 - - -

Next Board Meeting:
 Thursday, March 22, 2012
 7:30 at 'The Shop'
 Members are welcome to attend!

Meeting Location: Livermore Library Community Room

Refreshments: Rich Hunt & Lee Davisson



Presidents Message:

Happy Saint Patrick's Day Lithophiles! Plans are coming together for some interesting programs and field trips. The March program will feature Tim Rose, a geochemist and mineral-collecting enthusiast from LLNL, who will talk about mineral species first discovered in California. Invite your friends if you think they might be interested.

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We've set the dates for the two field trips that we've planned in the spring. On April 1st, we will visit Consolidated Rock in Vacaville to check out their museum and perhaps to buy some interesting lapidary material or mineral specimens. I've noticed that April 1st is Palm Sunday; please let me know if that might prevent you from attending the trip. We've scheduled the geology field trip up Del Puerto Canyon for May 20th. Mark your calendars! We're hoping for a great turnout. I'm looking for "conveners" for each trip – some one to organize the logistics for each trip like meeting places, car pools, etc. – if you're interested, call me.

We've added two new Shop Forepersons: Diana Carey and Frank Gouveia. Thanks Diana and Frank! They'll be working into the schedule over the next month or so, giving us full coverage for all shop nights. Please know that our shop forepersons are also shop users during the weeks they're not on duty, so remember to consult with the on-duty foreperson when you need some advice, so the off-duty forepersons can concentrate on their

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Presidents Message cont. from front page

own projects. Remember also the early shop hours on the third Tuesday each month (March 20th is the next session), starting at 3:00 pm.

We continue to need your help – please see the Help Wanted page in this Lithogram to volunteer for some critical club assignments in the coming year. You’ll notice that Vacant currently has a huge number of jobs to do. Please volunteer – any help you can give would be great!

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

**- - Program for March Meeting - -
Mineral Species First Discovered in California
Dr. Tim Rose - LLNL**

Tim will share his in depth knowledge of many unique mineral types that were discovered in California, discuss a number of locations and a bit of history where they were discovered, and provide insight into what special geological conditions gave rise to their occurrence. Example locations include Benitoite gem mine in San Benito County, Crestmore quarry in Riverside, and barium silicate minerals in Fresno and Mariposa counties.

Tim Rose is a research geochemist and a mineral collecting enthusiast who has amassed a wealth of knowledge of unique minerals and their occurrence. He has recently discovered two new minerals found in California that have been named (Timroseite and Paratimroseite).

**What I Learned on a Trip to the Santa Barbara Zoo
By Bill Beiriger
The Responsibilities of Having a Pet - Be it a Cat, a Dog or a Dinosaur**



What This T-Rex at the Santa Barbara Zoo Teaches About Having Pets



Is Your Pet People Friendly?
Who’s Afraid of a T-Rex



Are You A Responsible Owner?
Clean-Up After Your T-Rex



Do You Take Care Of Your Pet?
Even A T-Rex Has His Teeth Brushed

Minutes of the General Meeting

February 9, 2012

The meeting was called to order at 7.32 PM by President Rich Hunt at the Livermore Library Board Room.

Guests: - Jon and Lori Kriens and Molly Alexander.

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

Correspondence: - Checks were received for dues, correspondence from Chase Bank, and several show flyers.

Minutes: The minutes were approved as printed.

Treasure's Report: Shelley Buchberger gave the Treasure's Report. Our CD has been rolled over until September 25, 2012. The balance of the CD and the checking account was given.

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

Shop Report: Albert Hess will man the early shop day, 3pm to 5pm, one Tuesday each month.

CFMS Report: No report.

Schools: Bill Beiriger has given 32 classes in January and several more given and or scheduled for February. In all, Bill has spoken to 66 classes comprising a total of 1,200 students this school year.

The Livermore Science Fair at Junction Avenue School will be held on March 1. Lee Davisson is leading this effort. Tumbled stones will be available and displays related to petrographic analysis using a petrographic microscope and thin sections will be shown.

We plan on having a booth at the Girl Scouts 100- year anniversary celebration at the Alameda County Fairgrounds on May 5. Lapidary activities will be shown during the all-day event.

Field Trips: - A field trip to Consolidated Minerals in Vacaville will take place in March or April. A field trip to Del Puerto Canyon, west of Patterson, is being considered for later in the spring. Possible trips to local ranches in the Livermore hills to collect leaf fossils and petrified wood is also being considered.

Programs: - Tim Rose of LLNL will give a program for the March meeting. Other possible near-term programs may include talks by John Stockwell, Debbie Bun, and Rick Kennedy.

Old Business: No old business.

New Business: Rich Hunt asked for Club members to step up and assist with Club activities. Although there was success as far as Shop Forman help was realized there still appears to be gaps in several significant areas (i.e., Lithorama).

Refreshments: - Delores Colonna and Larry Patzkowski will provide refreshments for the March meeting.

Program: An entertaining DVD on the rock and mineral section of the Smithsonian Institution was shown after the break.

The meeting broke up about 9:15pm after the program.

Larry Patzkowski, Secretary

Minutes of the Board Meeting

February 23, 2012

The meeting was called to order at the Barn at 7:34 PM by President Rich Hunt.

Those also in attendance included Bill Beiriger, Bob Trimingham, Lee Davisson, Stefanie Goldsmith, Jeremy Goldsmith, and Shelley Buchberger.

Treasure's Report:- Shelley Buchberger is gathering more information needed for the required audit. It was decided that Rich Hunt, as Club President, be added to the account signature list.

Livermore Schools Science Fair:- Lee Davisson has things under control for the science fair to be held on March 1 at Junction Avenue school. We will have a display, a rock pebble grab, and show projections of petrographic thin sections.

Shop Report:- Stefanie Goldsmith related several shop items and concerns. A new wheel, or wheels, may be needed. The water heater is not working. Shop cards need to be issued and instructions on equipment use need to be updated. Stefanie will prepare a list of materials needed for the shop.

Schools:- Bill Beiriger indicated that the school talks he has been giving are winding down with a few talks scheduled for the Livermore schools and one for 2nd graders at St. Michaels.

Program:- The March program will be given by Tim Rose on new minerals of California

Future Programs:- Bob Trimingham is working on contacting Rick Kennedy (benitoite) and John Stockwell (Oregon thunder eggs) for the April and May programs.

Field Trips:- Field trip dates to the Consolidate Rock facility near Vacaville and Del Puerto Road have been set. The Consolidated trip will be on Sunday April 1 and the Del Puerto trip will take place on Sunday May 20. Details to follow.

The meeting adjourned at 8:30 PM.

Larry Patzkowski, Secretary

**YOUR MEMBERSHIP DUES FOR
LIVERMORE VALLEY LITHOPHILES GEM AND MINERAL SOCIETY
ARE NOW DUE!**

School Science Program

Bill Beiriger

School Classrooms

Presentations to the second and fourth grade classes in the schools has been my best year since I started doing this project.

I have now given talks to 67 classes with a total student count of 1260. Most of the presentations took place in January and February.

This is the first year that I have given presentations at St. Michaels' School, so far I have done the 2nd and 4th grades but I have been asked to do their 5th grade class in mid March. I also may be doing about 6 second grade classes at Valley View School in Pleasanton.

Stay tuned for another report in April or May.

Science Odyssey Science Fair

The Livermore Schools Science Odyssey will be March 1st at Junction School and will be from 4 to 7 PM. This year Lee Davisson will be the Chairman, if you can help please contact him at 371-0699.

This is a fun way for members of the society to get involved with one of our out-reach programs. So please call Lee and volunteer.

100 Birthday Party for the Girl Scouts

The society has been asked to have a booth at the Alameda County Fair Grounds for the 100 birthday of the Girl Scouts. We are planning on some type of a display the have members show how we make Cabochons, Free-form carving and maybe Slate and Soapstone carving.

The event will be May 5, 2012 from 10:00 to 7:00. This will be a long day if only a couple of members work the booth, **SO PLEASE LEND A HELPING HAND**. I will not be at this event because I will be the Lithophiles representative at the event listed below.

This can be a good way to get a few new members and it should be fun for all who help.

Contact Bill Beiriger 443-5769.

Castro Valley High School Science Fair

I will be representing the Lithophiles at a science fair in Castro Valley on May 5th, (**Same Time as the Above Event**)

I will have my educational sand display and I will also have a digital microscope with sand samples at the event.

Bill Beiriger

Notes From The Natural History World

Tyrannosaurus rex

A new study of T-Rex, by John Hutchinson of the Royal Veterinary College in London and Peter Makovicky of the Field Museum, Chicago sheds new light on the life of the dinosaur.

With the use of 3-D laser scans and computer modeling of “Sue”, the T-Rex at the Field Museum weighed about 9 tons, which is 30 percent more than first estimated.

By studying several T-Rex skeletons the team concluded that the species grew at 11 pounds per day.

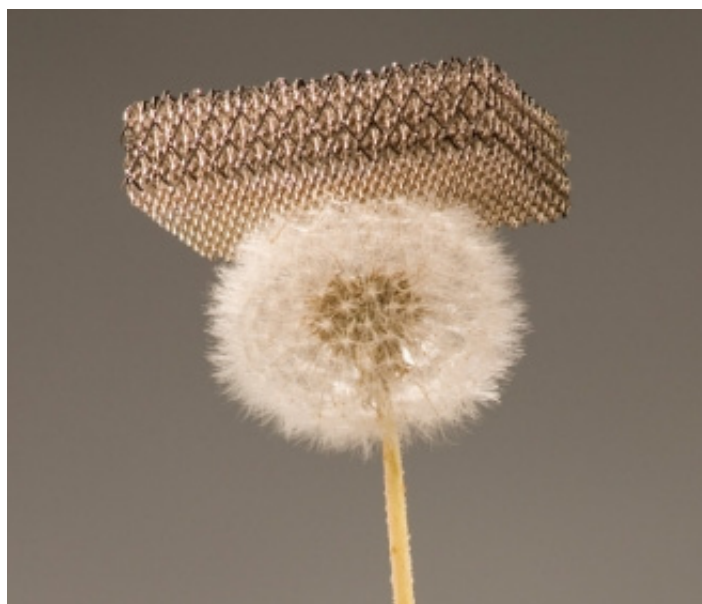
Ultra Lightweight Metal Lattice

Work at HRL Laboratories and University of Southern California’s Composites Center

This information is from Tobias Schaedler a member of the team from HRL.

The lattice is composed of hollow tubes nickel that are 1000 times thinner than a human hair. Its volume is 99.99 percent air. When the lattice is crushed by 50 percent it will rebound to 98 percent of its original height.

OK! Not Natural History but interesting.



The Cascade Volcanoes of California, Oregon and Washington.

Compiled by Bill Beiriger

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



Mammoth Mountain - California

Last Eruption - 1260 +/- 40 years

11,053 feet

37.631° N 119.032° W

Mammoth Mountain, a trachydacitic lava-dome complex, lies on the SW topographic rim of Long Valley caldera. The 3369-m-high volcano lies west of the structural rim of the caldera and is considered to represent a magmatic system distinct from Long Valley caldera and the Inyo Craters (Hildreth, 2004). The latest magmatic eruptions at Mammoth Mountain took place about 57,000 years ago. Mammoth Mountain is surrounded by at least 35 mafic vents that are part of the same magmatic system and include Red Cones, two closely spaced basaltic cinder cones located SW of Mammoth Mountain and SE of Devils Postpile National Monument. The cones, whose name derives from colorful mantling scoria deposits, are unglaciated and were radiocarbon dated at about 8900 years ago. Phreatic eruptions, distinct from those at South Inyo Craters, took place about 700 years ago from vents on the north side of Mammoth Mountain. Recent unrest, including seismicity, gas emission, and tree kill, is thought to be related to dike intrusion beneath Mammoth Mountain in 1989.

Photo by Lee Siebert, 1998 (Smithsonian Institution)

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

Note from Dan Gilmore that came with his Lithophile dues.

Dan is still in Price, Utah. Dan has to do his own cooking, housekeeping and laundry and with all of that there is no moss growing on him.

His 20 year old Great Grand Daughter stays with him most nights. She works and takes a full schedule at college.

Dan is on a T.P.N. (Total Parenteral Nutrition) Pump. His daughter, Linda, hooks dan up to the pump at 4:30 PM and he removes it at 6:30 AM. Dan is having trouble absorbing nutrients and his weight has dropped from 210 lbs. to 145 lbs.

He wished all of the members a Merry Christmas and hope you all have a very good New Year.

Signed: THE FOSSIL Dan Gilmore

**YOUR MEMBERSHIP DUES FOR
LIVERMORE VALLEY LITHOPHILES GEM AND MINERAL SOCIETY
ARE NOW DUE!**

Field Trips

April 5-8 Topaz Mt. & Dugway Geode Beds, Delta, UT for topaz, red beryl, hematite crystals and geodes.
CFMS Field Trips North, Jim Barton.

June 13-16 Tri-Federation to Vale area, OR for petrified wood, plume agates, jaspers.
AFMS/CFMS/NFMS, Doug True, dtruefossils@yahoo.com.

2012 World Rock Tumbling Championship

Prizes:

1st Place \$250

2nd Place \$100

3rd Place \$50

For Rules, Cost and Entry Form Goto: www.orovillerocks.com

Livermore Lithophiles – Help Wanted

The Lithophiles need a variety of volunteer helpers to assure that the club can provide the programs, field trips, and services that we members expect. I've listed below all the jobs, small and large, that the club needs someone to step up and handle. Critical needs are Lithorama chairperson and Federation Director. If you need to know what's involved with each job, ask me or any other long-time member. Check out the list below, choose the job that resonates with you, and let me know how you will help your club.

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

Alameda Co. Fair Exhibit Chair - **Vacant**

Christmas Party Chair - **Vacant**

Coffee for Meetings – Albert Hess

Door prizes/Raffles – Jane Crone

Education Chair – Bill Beiriger

Federation Director - **Vacant**

Field Trip Chair - **Vacant**

Historian/ Scrapbook - **Vacant**

Librarian - **Vacant**

Lithogram Editor – Bill Beiriger

Lithorama Chair - **Vacant**

Lithorama Exhibitors/Dealers

Lithorama Food Booth

Lithorama Publicity

Lithorama Set-up Dinner

Livermore Science Odyssey – Lee Davisson

Meeting/Program Publicity - **Vacant**

North Bay Field Trip Rep - **Vacant**

Program Chair - **Vacant**

San Leandro Library Event Chair - **Vacant**

Picnic Chair - **Vacant**

Sunshine - **Vacant**

Shop Foreperson(s) – Stephanie Goldsmith, Chris Hunt, Diana Carey, Frank Gouveia & Albert Hess



California Shows And Events

2012

**March 2-4, 2012: NEWARK, CA
Mineral & Gem Society of Castro Valley**

Newark Pavilion, 6430 Thornton Avenue
Hours: Fri. & Sat. 10 - 6; Sun. 10 - 5
Contact: Cathy Miller, (510) 887-9007
Email: info@mgs cv.org, Website: www.mgs cv.org

March 10-11, 2012: SALINAS (Spreckels), CA

Salinas Valley Rock & Gem Club
Veteran's Hall, Spreckels, CA, 5th & Llano St.
Hours: 10 - 5 daily
Contact: Robert L. Braun, (831) 771-2089

**March 10-11, 2012: TURLOCK, CA
Mother Lode Mineral Society**

Turlock Fairgrounds, 900 North Broadway
Hours: Hours 10 - 5 daily
Contact: Terry & Bud McMillin, (209) 524-3494
Email: bud.mcmillin.b7y@statefarm.com
Website: www.turlockgemshow.com

March 17-18: VALLEJO, CA

Vallejo Gem & Mineral Society
Solano County Fairgrounds, McCormack Hall
Hours: 10 - 5 daily
Contact: Dan Wolke, (707) 644-9764
Email: VGMS01@yahoo.com
Website: www.vallejogemandmineral.com

March 24-25, 2012: ANGELS CAMP, CA

Calaveras Gem & Mineral Society
Calaveras Co. Fairgrounds (Frog Town USA)
101 Frogtown Road
Hours: Sat 10 - 5; Sun 10 - 4
Contact: Tak Iwata, (209) 928-5579
Email: Tak2me@msn.com
Website: www.calaverasgemandmineral.org

**March 24-25, 2012: ROSEVILLE, CA
Roseville Rock Rollers**

Roseville (Placer County) Fairgrounds
800 All American City Blvd. (off Washington)
Hours: Sat. 10 - 5; Sun. 10 - 4
Contact: Gloria Marie, (916) 216-1114
Email: gloriarosevillerockrollers@gmail.com
Website: www.rockrollers.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

The California Federation of Mineralogical Societies web page **www.cfmsinc.org** gives everyone access to the CFMS Newsletter.

A Celebration of Agates

The Minnesota Mineral Club is hosting a four-day agate show, in conjunction with the American Federation of Mineralogical Societies and the Midwest Federation of Mineralogical and Geological Societies.
Minnetonka, Minnesota
July 26 to 29, 2012

BE SAFE - BE WELL – A MESSAGE FROM YOUR SAFETY COMMITTEE

by Don Monroe, AFMS Chair

“It’s a Jungle out There”

The members of our clubs have many varied interests. Some are interested in collecting specimens. Others collect stones (gems, minerals, etc.) to us when they produce jewelry or they hunt fossils. One of the things that we all seem to have in common is that we enjoy field trips.

As we enter the fall and early winter, the weather really entices us to get out and do fun things. As we go out in the wilds, we need to recognize that this can be a hazardous time of the year. As a matter of fact we may encounter some hazards that are not always around us or, may be not be quite as severe as they are right now.

An article in the Atlanta Journal recently pointed out that poisonous snakes should be more of a concern now than in mid-summer. Rattlesnakes and copperheads bear their offspring at this time of the year and, like all new parents, are very protective. That means they will bite you. I know that when I am out looking for whatever, I may not be really attentive to what is happening around me and may do something extremely stupid like reaching down in a hole or lifting up a rock or log to see what may be under there. Mr. “No shoulders” may be resting there out of the sun or rain and will not appreciate your visit. This would be particularly embarrassing to me since I have been bitten by a rattlesnake before because I was not paying attention.

Another hazard that can be extremely dangerous for those with sensitivity to such is insect stings. Yellow jackets, wasps, bees and hornets are making their final preparations for winter. A nice warm place to live such as a nest or a hole in the ground becomes

a priority item. Based on some of my encounters, the yellow jackets become very combative if you venture close to their nest, which is usually a rather unobtrusive hole in the ground. Hornet’s nests are sometimes collected as souvenirs on the assumption that they are no longer inhabited. Not necessarily so!

Those plants that have the ability to cause skin problems such as poison oak, poison ivy and some of the sumac varieties do not become safe when the leaves fall off. As a matter of fact the sap in the roots can be extremely potent and create a real problem for us, particularly if you get it in your eyes. Also, if for any reason you burn some of these plants, the smoke can transmit the irritant to eyes, nose and skin which is the worst way to become infected.

The last hazard I want to spotlight is fire. In most parts of the country, the woods are very dry and it is so easy to start a fire. Not only will you be probably violating the law, you can place yourself and your companions in real danger. If a wild fire can trap and kill professional firefighters, aren’t we in greater danger?

The solution to all of the hazards mentioned as well as many others is simply to keep our wits about us. Be alert to our surroundings and don’t do stupid or very unwise things. If we take care of ourselves, we can continue to do the things we enjoy and introduce the next generations to our great hobby.

From the AFMS Newsletter, 11/05

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

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 8th, at 7:30 PM
Board Meeting March 22nd, 7:30 PM -The Shop