

Livermore

Lithogram



**Volume XXXX, Number 9
September 2015**

**Livermore Valley Lithophiles
Livermore, California**

Next General Meeting:
Thursday, September 10, 2015
Community Room
7:30 PM

Program:

Next Board Meeting:
Thursday, September 24, 2015
At the Shop
Members are welcome to attend!

Meeting Location: Livermore Library Community Room

Refreshments:

Presidents Message:

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President's Message

Give but Not Receive

Our club has a federal and state designated non-profit status. Part of the reason why is that we perform educational outreach to the community on a non-profit basis. Some of these include elementary school programs and gift-giving, Cub Scouts, 4-H, and student prizes to geology students. Bill Beiriger bears the greatest bulk of this effort along with Bill Bish. 4-H is covered by Rich and Chris Hunt and myself.

The operating dollars for all the outreach expense is through the Mike Gorges account. These funds were initially raised many years ago at a special sale of the collection Mike left to the club to raise money *exclusively* for educational outreach. Currently the average annual spend rate is about \$1000 and there is only about \$9000 left. This means at the current spend rate this account will be ZERO within ten years. Sales from the Silent Auction at Lithorama is supposed to supplement this account, but given our rock shop runs at an annual loss (A FORTHCOMING PRESIDENT'S MESSAGE), the show revenue in total balances all our club expenses.

Many for profit businesses in the Tri-Valley are known to donate funds for community programs. For example, LLNL has an annual matching grant application process for promoting sciences in the community, awarding \$1000 to \$20,000 to selected proposals. In this day and age it is foolish to spend non-profit funds without reaching out to ask for matching donations. Businesses benefit from the positive image they receive and use the donation as a tax write-off.

Bottom line is that we should be seeking matching funds for any educational outreach or gift giving that incurs club expenses. In addition, we should be seeking donations of rock and mineral specimens and collections that we can sell at Lithorama specifically for the Gorges account. It is time to stop the annual loss in these funds and stabilize its amount and possibly make it grow.

However, with matching funds comes the responsibility to engage in the outreach activity. It is not fair to expect the handful of those who engage in the outreach currently to seek the matching funds or any additional effort required to perform the outreach activity. It is the responsibility of ALL club members to pitch in. You don't have to be an expert at anything. There is always something you can do to help.

Lithophiles Picnic

Fun at Lithophiles Summer Picnic

Seventeen Lithophile members had a fun time at our Summer Picnic. We enjoyed hotdogs and sodas provided by the Lithophiles and putluck items provided by the members. The members that did not attend missed a Great Party.

The food was so good that no one took pictures while we enjoyed the food. A few members just sat and talked while the rest of us played Petanque.



Work Party at Nancy's Looking Over Rocks for Lithorama



Shop Report

Frank Gouveia

Traffic at the shop has been hot and cold during August with some days seeing 8 or more people while other Tuesdays had 1 or 2. The new members continue to trickle in to try new things and ask plenty of questions from our seasoned members.

The rock sorting day at Nancy's yielded plenty of specimens to be cut on the slab saws for the shop and the Lithorama show. Those buckets should be arriving at the shop soon if not already there. Once they do the Foreman should start cutting during their shifts to ensure we have plenty of material to sell as well as use in the shop.

Progress has been made on the new grinding wheel guards as far as finding drain fittings that will work and how we plan to mount them. A work day and crew will need to be arranged soon to finish this task. I will send out an email when all the parts have been purchased.

I brought a bunch of rocks down to the shop that my brother had given me for my birthday in July and shared them with our members. Fred Wang took advantage of this and scored big with a crystal and a chunk of Amethyst.

If you would like to use the shop earlier than 7pm contact Richard Ochoa for his early bird days.

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

The Shop is open from 7pm to 10pm every Tuesday.

Shop Forepersons:

1st Tuesday – Stephanie Goldsmith

2nd Tuesday – Frank Gouveia

3rd Tuesday – Tom Johnston

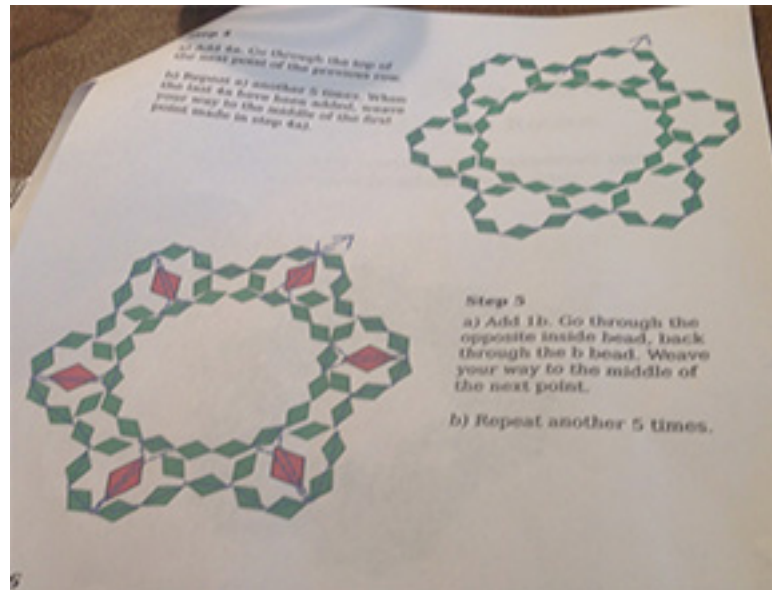
4th Tuesday – Richard Ochoa

5th Tuesday- Mystery Guest Foreman....Ooooooh!



Beading Buddies August 22, 2015

Here is the Design that was worked on at the last Beading Buddies workshop.



Next Beading Session Saturday, September 26, 1-4pm at Dick Friesen's house.

787 Joyce Street, Livermore

Several Important items will be discussed at the September 10 meeting.

PLEASE ATTEND THE MEETING

1. We have a lot of topics to be ironed out for Lithorama on November 21 & 22. There are several major changes to the show this year, so Please attend the meeting.
2. I will be stepping down as the Lithogram Editor after the December Lithogram, so we need to have someone step up to take over the job. If no one takes over the job there will not be a Newsletter.
3. We will be discussing the day and time for a second Shop afternoon/night for the members. This is to be set-up for the use of the 4H, Home School Group and General Membership.

8.52-carat diamond was found in Arkansas' Crater of Diamonds State Park

Bobbie Oskarson from Longmont, Colorado found the fifth largest diamond to be unearthed at the only Diamond Mine open to the general publik in the United States.

The diamond is white in color and has an uncut weight of 8.25 carats. Oskarson named her diamond the Esperanza Diamond, after her niece.

More than 75,00 diamonds have been discovered at the park since it was opened in 1906. This area has had an above normal rain fall which has helped uncover more than the normal amount of diamond crystals. There have been more than 30 diamonds found at the park this year.



Arkansas' Crater of Diamonds State Park Photo

Dinos died here: Getting to the core of asteroid impact mystery

The catastrophic asteroid crash blamed for the demise of the dinosaurs also left a gaping scar in the Earth. That sprawling crater made 65.5 million years ago may hold the answers to many mysteries surrounding the space-rock event.

Now, scientists plan to drill 5,000 feet below the surface of the Chicxulub crater in Mexico to bring up a giant core — and delve 10 million to 15 million years into the past. The endeavor would result in the first offshore core taken from near the center of the crater, which is named for a nearby seaside village located on the Yucatán Peninsula.

An international team of scientists met last week in Mérida, Mexico, located within the 125-mile-wide Chicxulub crater, to discuss their plans for the drilling project, slated to start in spring 2016. [Crash! The 10 Biggest Impact Craters on Earth]

Why now? “The Chicxulub impact crater has been a remarkable scientific opportunity for the 20 years since it’s been discovered,” said Sean Gulick, of The University of Texas at Austin Institute for Geophysics. And, for the first time, scientists have subsurface images from the offshore part of the crater, so they can pinpoint a spot for sampling. They chose a spot along the crater’s peak ring — a ring of mountainlike structures around the center of the crater.

By sampling there, the researchers can get a clearer picture of ancient biological and geological processes.

Scientists think that, when a big rock smashes into Earth at high enough velocities, the collision causes the crust temporarily to act sort of like a liquid, first forming a so-called transient crater (like the indentation that forms on a lake surface after a rock is thrown in), and the center rebounds, or splashes, upward and then outward. “We think the peak ring is the record of the material that rebounded and splashed outward,” Gulick told Live Science.

All of these ideas are based on models and aren’t necessarily what happened. “We’ve never gotten a rock back from a peak ring to know if that’s correct,” Gulick said.

The researchers also hope to find details about the process that weakened the granite of the crust to get it to flow like a liquid, Gulick noted. “We don’t understand that process,” he said.

Chicxulub is also the only impact crater on Earth linked to a mass extinction event. As such, the samples could provide more information about that extinction and what came after it. More recent layers of rock could yield traces of life, which would provide clues about how long it took for life to return to the area, he said.

The roughly \$10 million project is a collaboration between the European Consortium for Ocean Research Drilling (part of the International Ocean Discovery Program) and the International Continental Scientific Drilling Program.

Gulick and Joanna Morgan, of Imperial College London, will lead the team of scientists.

California Shows And Events

2015

September 19 - 20: CHICO, CA
Feather River Lapidary & Mineral Society,
 Oroville
 Silver Dollar Fairgrounds, 2357 Fair Street
 Hours: Sat 9:30 - 5 daily
 John Scott, (530) 343-3491
 Email: jweazel@sbcglobal.net
 Website: www.featherriverrocks.org

September 19 - 20: REDWOOD CITY, CA,
Sequoia Gem & Mineral Society, Community
 Activities Building, 1400 Roosevelt Avenue,
 Hours: 10 - 5 daily, Contact: Carol Corden,
 Email: cordencarol@yahoo.com, Website:
 www.sequoiagemandmineralsociety.org

September 26 - 27: 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, Email: janis12@sbcglobal.net

September 26 - 27: SANTA ROSA, CA, **Santa Rosa Mineral & Gem Society**, Wells Fargo Center for the Arts, 50 Mark West Springs Road, Hours: Sat 10 - 6; Sun 10 - 5, Contact: Jolene, (707) 528-7610, Email: Jolene@srmgs.org, Website: www.srmgs.org,

September 26 - 27: LODI, CA
Stockton Lapidary & Mineral Club
 Lodi Grape Festival Grounds
 413 East Lockeford Street
 Hours: 10 - 5 daily
 Contact: Jerold Kyle, (209) 368-9411
 Email: jeroldkyle@yahoo.com
 Website: www.stocktonlapidary.com

October 10 - 11: Grass Valley, CA
Nevada County Gem & Mineral Society
 Nevada County Fairgrounds (Main Building)
 11228 McCourtney Road
 Hours: 10 - 5 daily
 Contact: Wald-Tuttle, (530) 277-6195
 Email: anitaw1t3@gmail.com
 Website: www.ncgms.org

October 17 - 18: PLACERVILLE, CA,
El Dorado County Mineral & Gem Society, El Dorado County Fairgrounds, 100 Placerville Drive, Hours: 10 - 5 daily, Contact: Karen Newlin, (530) 676-2472, Email: info@rockandgemshow.org, Website: www.eldoradorocks.org Show Page ,

October 24 - 25: LOS ALTOS, CA,
Peninsula Gem & Geology Society,
 Los Altos Youth Center, One No. San Antonio Road, Hours: 10 - 5 daily, Contact: Steve Jobe, (408) 834-5384, Email: steve_job@sbcglobal.net, Website: www.pggs.org

November 21 - 22: SANTA CRUZ, CA
Santa Cruz Mineral & Gem Society
 Live Oak Grange Hall
 1900 - 17th Avenue
 Hours: 10 - 5 daily
 Contact: Julia Cornblatt, (831) 687-0509
 Email: julia.cornblatt@gmail.com
 Website: www.scmgs.org

November 21-22: LIVERMORE, CA
Livermore Valley Lithophiles
 Lithorama 2015 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



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Livermore Valley Lithophiles

Elected Officers and Club Information

Elected Officers:

President Lee Davisson (leedavisson@sbcglobal.net)
V. President Tom Johnston (tj5646@gmail.com)
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. Civic Center Livermore Library Community Room (**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, Stephanie Goldsmith (925) 447-1722.

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 September 10, at 7:30 PM
Board Meeting - September 24, 7:30 PM