

LITHOSPHERE

Volume XVIII, Number 1
January 2009

Fallbrook Gem and Mineral Society, Inc.
Fallbrook, California



Gold!



LITHOSPHERE INFORMATION

Fallbrook Gem and Mineral Society, Inc.

123 W. Alvarado Street, Suite B, Fallbrook, CA 92028

Phone: (760) 728-1130

Website: www.fgms.org

email: fgms@sbcglobal.net

Copyright © 2009 by the Fallbrook Gem and Mineral Society, Inc. Except for items that are specifically copyrighted by their authors, other societies may use material published in *Lithosphere* provided proper credit is given and the sense or meaning of the material is not changed. Cover photo – Gold Nugget, Credit: US Geologic Survey

Lithosphere is published monthly (except July and August) and is sent to all members of the Fallbrook Gem and Mineral Society as part of their membership.

Exchange Bulletins: Free reciprocal exchanges for the bulletins of other gem and mineral societies are welcomed. Please send all exchange bulletins to:

123 West Alvarado Street, Suite B
Fallbrook, CA 92028

Lithosphere Editor: Henry Park – email: henrykpark@gmail.com

Lithosphere Staff: Garth Bricker

FGMS Website: <http://www.fgms.org>

Contributions: Copyrighted material must be accompanied with a written release from the copyright holder. Original, personally-written articles will be published with a copyright notice in the author's name if requested; otherwise submissions will be published without individual copyright. No anonymous submissions will be considered; however, the submitter's name may be withheld, or a pseudonym used, upon request. All material is subject to editing. Unless previously arranged, submissions become the property of the Fallbrook Gem and Mineral Society. Send all submissions to the Editor.

Deadline: The deadline for all material is the 25th of the month prior to publication.

Disclaimer: The opinions and conclusions expressed in *Lithosphere* are those of the authors and do not necessarily represent those of the Officers, Editor, Advertisers, or members of the Society.

Advertisers: Adverts must be related to the focus of FGMS and *Lithosphere*.

All display advertising must be paid in advance.

Full page \$120.00 for 10 issues, equivalent to 1 year, or \$15.00 per issue

Half page \$60.00 for 10 issues, equivalent to 1 year, or \$7.50 per issue

Classified advertising is free for FGMS members, but is subject to editing and placed based on availability of space.

January Membership Meeting

Mark Mauthner presents Crystallized Gold from Canada

Thursday, January 8th, 7:00 – 9:00 pm
Fallbrook Gem and Mineral Society Meeting Room

During most of the 20th century, Canada was among the five leading gold producers in the world. A presentation of known localities for crystallized gold in Western Canada and what typical specimens look like will be the topic of the evening. Join us for this unique presentation.

Mark Mauthner has a special and broad background in gemology, field work, and mineral collecting.

Mark's many academic accomplishments include passing the Canadian Gemmological Association's FCGmA exams, a bachelor's in modern languages, a Master of Science in geology, and completing courses in museum studies. His unique knowledge has opened many doors, including directing and curating the Pacific Mineral Museum in Vancouver, where he oversaw operations from construction of the museum, marketing, and to day to day activities. He has also served as an assistant curator with GIA, the Houston Museum of Natural Science, and University of British Columbia's Geological Museum. Mark is also a contributing writer and editor for many books and magazines.

His field activities include work as an exploratory geologist, as well as numerous collecting trips.

Garth Bricker, FGMS Member and Museum Curator



*Garth Bricker
FGMS Member
& Museum
Curator*

We hope everyone had a fine Christmas and will enjoy this New Year and get out and do something mineral related (Digging?) so you can show us at the January meeting.)

January starts a new year. This will give you a chance to help at the Museum sometime as you have time. We have a unique gift for the whole United States and especially our area when people come to see us. Our work and effort is a gift we give to all who come to enjoy and learn at the museum.

It does take effort. For 68 years our ceiling has been leaking. You just have to look up above the false ceiling to see the paint peeling off the original ceiling and the metal mesh that holds the plaster in place rusting away. No one, not even the several roofers over the years have figured out what to do about it until this year.

I asked Don Parsley, a member, who has had vast engineering experience, what is causing this problem so consistently for all these years. He had work experience with drain holes on flat roof buildings and said that the old buildings had a metal sleeve that fitted into the drain hole through the wall emptying the roof run off to the outside.

This was OK for some years but the building flexed and over time water could gradually seep between the cement block and mortar and then down the inside wall. The ceilings were lowered sometime ago. The water ran out onto the ceiling tile and stained them so they had to be removed and new ones put up. Everything on the wall got wet and water ran down to the floor.

Before asking Don, another member, Mick Palculich, a contractor, decided we needed to get a roof drain to put in the low spot on the west half of the roof near the drain hole leading to the east half of the roof. This drain sent the water above the dropped ceiling out through a hole in wall to the back of the building. We asked member, Dick Mayer, if he would do the work. Dick installed the drain and the 4-inch plastic tubing venting it out the back of the building.

Two things were happening. On very heavy downpours the water level got up to where the original weakness in the engineering of our 1940 Telephone Exchange Building starting leaking. The leaking must have worn away more of the building and the leak got worse. Don explained that the original steel run off casing through the opening didn't have any flaps or pieces that were attached to the steel drain casing that extended out to be covered by the roofers tar to make a seal between the casing and the

roofing material. No seal between the steel casing and the end of the roofing material allowed the water to seep down where the roofing met the casing. There was no visible way water could do this after we had a new \$10,000 roof put on near the time we bought the building.

One way to solve the problem would be to build a pitched roof over the whole building and let the water run directly off but at an expense we probably couldn't afford. Don said reshaping the lower end of the roof slope, plugging the outside drain hole and forcing the water to drain further back up the roof slope by installing two drains would eliminate the old engineering problem. A new 4 inch drain would be installed above the false ceiling and exit out the east side of the building by having a hole drilled in the cement block wall.

The building is built in two halves with a vertical block wall dividing the halves. There is a hole letting the rain water go from the west side of the roof to the east side and then it all goes out at the front of the building at roof level down a drain and to the street.

Both sides will have its own drain with no outside drain on the roof. But for now and during the rainy season we plan to put a second drain in on the west half of the building near the first drain that Dick put in to keep the water level down so water will not run down the wall and drip on things in the auditorium including the newly acquired cabinets. There is more water coming down the wall as time goes on.

I under took a project to channel the water running down the wall into the museum. This is a stop gap thing but necessary because the next rain was due. I was going to put in a drain secured to the wall below the leak and going into a bucket. Thankfully my son-in-law had some leftover drain material from a job he had done. With a little welding he put together a drain and Mick and I secured it to the wall, added a half inch pipe and a bucket on the floor. This will work for now but it won't solve the leak that gets worse as time goes on. It will sure make it easier to maintain the south wall of the museum's store. Maybe this will be helpful for other people with flat roofs. I'm sure grateful for volunteers Don Parsley, my son-in-law, Mick Palculich and Dick Mayer and all of our volunteers who make this organization work.

Garth Bricker
The Curator

Membership Dues

Society annual dues must be paid by the end of 2008, please renew your membership as soon as possible so we can get the club directory updated and printed out ASAP. Thank you for your continued support for the Fallbrook Gem and Mineral Society.

DRAFT MINUTES OF THE BOARD OF DIRECTORS MEETING OF THE FALLBROOK GEM & MINERAL SOCIETY

December 6th, 2008 AT 10:00 AM

The Members of the Board of Directors present were: Gina Palculich, Janice Bricker, Elizabeth "BJ" Cheatham, Vanessa Jones, Don Parsley and Erich Kern.

SECRETARY'S REPORT: MINUTES:

The Board reviewed the Minutes of November 1, 2008. Spelling correction on page 2 under Member Services, Ocotillo, not Ocatillo. (M) Vanessa Jones (S) Elizabeth Cheatham to accept the minutes of the November 1, 2008 Board of Directors Meeting as corrected. Motion passed.

TREASURER'S REPORTS: Vanessa Jones

The profit and loss statement for October was reviewed. Vanessa presented a budget summary through the end of November which was positive. Allocated cash and outstanding grant expenditures were also discussed.

VICE PRESIDENT'S REPORT: Mary Fong-Walker, Avocado & Fall Festival Coordinator
Mary was absent.

OLD BUSINESS

Litigation Update

Gina reported on David LaMarr status.

DIRECTORS' REPORTS

Public Programs – Bill Hollingsworth

Bill reported that he was waiting for the new Board to take office before starting again to work on the bylaws and the operations manual.

Facilities – Erich Kern

Erich reiterated his willingness to help when needed even though he would no longer be on the Board. Don reported that the eucalyptus trees had been removed by the County, at no cost, but the stumps still needed to be taken-out so he would follow-up. Gina reported a roof leak Garth and Mick were working on. She also reported that Garth had removed the larger gold specimens from display in the museum.

Education – Elizabeth Cheatham

BJ assured everyone that though she was leaving the Board, she would like to continue managing the gift shop and coordinating docents. She had prepared the holiday closure signs and would ask Diane to have the holiday schedule listed in the Village News. According to our contract with Amazon.com, it should be a web-link only. She also reported two new docents for the Museum/Gift Shop: Matt Boech and Jeanne Willis.

Development – Don Parsley

Gina reported that David Mitchell had applied for another grant to purchase new office chairs.

Member Services – Janice Bricker

Janice reported one new member, Linda McCastland. The field trip to the Ocotillo oyster beds is scheduled for January 11th. Janice also reported that the Lithosphere had been sent out late.

Museum

The inlaid hummingbird jewelry box donated by Roger Decker is now on display in the museum.

Nomination Committee - Janice reported that since there had been no nominations from the floor at the November membership meeting, the slate of officers would be: Janice Bricker, President; Mary Fong/Walker, Vice-President; Rhonda Byer, Secretary; Vanessa Jones, Treasurer and the Directors would be: Bill Hollingsworth, David Mitchell, Henry Park, Don Parsley, and Gina Palculich.

NEW BUSINESS

- (M) Vanessa Jones (S) Erich Kern to approve a policy of "No borrowing or lending" for FGMS. Motion passed.

- Gina said she had received a very positive response from the community to our \$100.00 sponsorship of the Chamber of Commerce's Christmas Parade.

- Dick Mayer sent information on a company that did geode cutting.

FGMS Calendar of Events

January 2009

<i>Sun</i>	<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>	<i>Sat</i>
28	29	30	31	1	2	3 Board Meeting 10am – 12:30pm
4	5	6	7	8 Membership Meeting 7pm - 9pm	9	10 Work Party 9:30am – 1pm Potluck Lunch 1 pm
11 Field Trip Oyster Beds Ocotillo	12	13	14	15	16	17
18	19	20 Beading Brigade 6pm – 9pm	21 Beading Brigade 10am – 4pm	22	23	24
25	26	27	28	29	30	31

Lithosphere
Fallbrook Gem and Mineral Society
123 W. Alvarado St. Suite B
Fallbrook, CA 92028
RETURN SERVICE REQUESTED

NON-PROFIT ORG.
U.S. POSTAGE PAID
FALLBROOK, CA
PERMIT NO. 560