

Lithosphere

Volume XIII, Number 2

Fallbrook, California

Aquamarine from the Fallbrook Gem and Mineral Society Museum Collection.



Sally Larsen photo

Guest speaker Peter Lyckberg, from Sweden, will be in Fallbrook speaking at the FGMS meeting on February 17th on aquamarine.

Fallbrook Gem and Mineral Society, Inc.



February, 2005

Fallbrook Gem and Mineral Society, Inc.
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- Half-page, horizontal 3.5"x4.5" = \$60.00 for 10 months, or \$7.00 per issue
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- Quarter-page horizontal 3.5"x2.25" = \$30 for 10 months, or \$3.50 per issue.
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Deadline for all advertising is the 20th of the month preceding the month of publication. The *Lithosphere* publishes monthly during the 10 month period between September and June.

Classified advertising is free and is limited to text only. Classified ads will be placed on the classified ad page and run until notification is received from advertiser to cancel ad, or at the editor's discretion based on space available. Editor reserves the right to edit all classified ads to fit the space available.

Contact the editor Sally Larsen for more information at 760-728-9065 or slarsen@tfb.com. Or write to the editor at 5415 Rainbow Hts. Rd., Fallbrook, CA 92028.

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Lithosphere

February, 2005



February 17th Meeting

New Aquamarine Find in Finland

Sally Larsen Editor

Peter Lyckberg will be the guest speaker for the February 17th meeting. He will be telling all about a new aquamarine find in Finland. He works for the new European Union of Nations and has dug in the Alps, the White Mountains near Bishop for woodhouseite, and in Scandinavia, Russia and other countries.

The meeting will begin at 7:30 p.m. in the auditorium of the Alvarado Street Museum at 123 W. Alvarado Street in Fallbrook.

There will be a business meeting before the speaker's program. There will be an opportunity drawing and FGMS mineral sales table, and refreshments following the program.

Come out and hear a great speaker who comes all the way from Sweden, via Tucson, to be here with us on the 17th.

Guests and newcomers are always welcome, for more information call the museum at 760-728-1130.

January Meeting Summary

Elizabeth Yamaguchi Secretary

Members of the new Board were introduced and installed. Refreshment, Docent and Rummage Sale sign-up boards were passed around to recruit additional volunteers.

Guests present were: Myra Fore, Amy Warner, David McKinney and Michelle Van Haitsma. Laurie Kern announced that the display case, "Dinosaur Age Fossils" will be changed to a display of members' minerals. If you have anything you want to display, please let her know. Bring a picture also,

for help in returning your specimens.

The more than sixty people in attendance enjoyed the lecture and slides presented by professional jewelry designer and FGMS member Cynthia Renee Zava.



Sally Larsen photo
Cynthia Renee

FGMS Club Calendar

February 2005

Feb. 5: FGMS Board meets at 10 a.m. at Alvarado Museum.

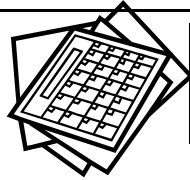
Feb. 17: Regular meeting at 7:30 p.m. at 123 W. Alvarado St.

Feb. 19: Work party at the Alvarado Street Museum at 10:00 a.m., with a potluck following at 1:00 a.m.

Thursdays: Volunteers meet at 9:30 a.m. at Rocky Crest Museum to work on grab bags.

Tues. & Thurs.: Museum at 123 W. Alvarado open 11 a.m.-3 p.m.

Thurs. & Sun.: Rocky Crest Museum open 1-4 p.m.



FGMS Event Calendar 2005

February	March	April	May	June
<p>Tucson Show Display 10-13th.</p>	<p>Rummage Sale, 5th.</p>	<p>Avocado Festival 17th.</p> <p>Arts in the Park 24th.</p>	<p>49er Frolic 22nd.</p>	<p>FGMS Pie Night-Silent Auction 9th</p> <p>Del Mar Fair 10th-30th</p> <p>Hot Summer Nights, 24th</p>
July/Aug.	September	October	November	December
<p>Del Mar Fair 7/1-7/5</p> <p>Hot Summer Nights, Chili Cook off 26th.</p>		<p>Fall Festival of Gems 2nd.</p>		<p>Christmas Parade, 3rd.</p> <p>Meeting, Silent Auction Dec. 8th.</p>

FGMS Jan. Board Meeting Summary

Elizabeth Yamaguchi Secretary

New President Gina Palculich listed her major objectives for the year: To improve and expand the physical facilities at the Alvarado Museum; to open the Museum to the public on weekends; to develop a docent program to staff the museum every Thursday, Friday and Saturday and to complete the lot transaction so that we have land available for program development. Gina wants each Board member to spend four hours per month staffing the Museum.

New chairpersons were appointed, but there are still some vacancies.

The FGMS Calendar of Events was drawn up. Events without a chairperson will be handled as a joint endeavor of the entire Board.

Erich Kern reported that Howard Grant is feeling better and will come to the club meeting on Thursday.

Kerith Graeber reported that the Forty-niner Frolic Committee will meet next Saturday after the work day and pot luck.

Garth Bricker reported that the Chens (owner of the lot) have given us another month to finalize the financing of the lot purchase.


In a discussion about moving the storage containers at Rocky Crest,

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West Coast - Spring
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Garth's World

*Garth Bricker FGMS Member and
Museum Curator*

I want people to know about our museum in Fallbrook, and check out the Hale Creek mining story in the Mineralogical Record, Vol. 18, pgs. 341-347 (especially if you are a mineral person). Garth

We just hosted the home teaching sixth, seventh and eighth graders from Iowa Street School.

It was raining the day we planned this, and this group would be kept dry by our new roof. We usually do this at the old museum where we have outside activities. One group walked from Iowa Street to the museum at noon, and the other group came at 1:00 p.m..

Volunteers, Cal and Kerith Graeber, divided the classes, and sent half to the main meeting room. (I've just been appointed as Children's Coordinator by the Board. This is a lesson plan for those that have to do this if I am not available.)

Cal and Kerith talked about the blacklight room; describing where these fluorescent minerals came from, and what makes them fluoresce such bright colors. Cal talked about the minerals from our own area mines that are known around the world, especially the nine inch tourmalines. The kids looked at the worldwide

minerals on the shelves and asked questions and Kerith knew the answers. This is the place you want to put your two most knowledgeable people so they can talk about the minerals.

We switched groups half way through the hour. By the way, it didn't rain that day, but having an alternate teaching place is a big plus for having our new building.

The children came in and we toured the walls where we have displays of dinosaurs, selenite/gypsum, nice minerals, pictures of Fallbrook from the buggy days to old car days, and mineral posters. At the end of this tour I had them stop at a table with nine stereoscopes over pictured pairs of the same mineral. They looked, and I asked if they could see the minerals standing out from the paper. Most of them got the effect. This is probably the first time they had seen this effect. Give them new things to learn.

My five boxes of teaching minerals give me plenty of choice of things to work on for up to two hours if needed. They come from 40 years of gathering and collecting and I haul them in a handcart. This time since they were sixth,

seventh and eighth graders I started with fire. I demonstrated the carbide lamp and how it needs carbide and water. I turned the little lever on top to let the water drip down to the carbide. With the nozzle at my nose I could feel the small stream of acetylene gas streaming out. I turned off the lights and spun the starter, which is like a cigarette lighter starter. A flame shot out and I showed them how this would light up the area you were digging in. They were impressed with past technology. Torches came first and then candles.

I put a piece of carbide on the table, and poured a little water from the water reservoir on top, and it started to bubble and smoke. I tipped the flame down to the bubbles and the bubbles burst into fire. Acetylene gas burns very well, and doesn't burn the table with the water there. Very effective for getting your teaching across.

A few more minerals from the box were explained and time was up. The teacher wanted to know where I got the carbide, and I explained that I used the carbide lamp for 40 years underground looking for minerals, and had bought two 100 lb. cans about 1968 from a fellow who came from New Hampshire to deliver them to me in Fallbrook—I still have most of it. A carbide lamp gives you light for two hours for

five cents. You have to clean out the carbide lower section each time you run out of flame. This is often in the dark inside the mine and you have to feel for all the parts needed. Those are the things you get to look back on with enjoyment.

Richard Jefts:

I've enjoyed the expert help of Richard Jefts who was the 50,000,000-year-old whale's head teacher for quite a few years. He explained where it came from, how it got to be on dry land, and why it is covered with hardened silt and mud. He taught the children geology, paleontology, and the understanding of what they were doing with their little hammers and nails to prepare it for display. He took them into the museum and explained the other fossils that are covered with a layer of rock. He really enjoyed teaching the children and they will miss him, a great volunteer.

MORE INESITE:

I should have told you that the hornet's home was a paper like brown bag, with I can't even guess how many hornets inside. A little side story about hornets, Bill Larson, owner of the Collector and Fine Jewelry Shop in Fallbrook was walking behind his faceter and jeweler's shop one late afternoon, and there had been live hornets that had dug a home in the ground and built their nest.

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The Fallbrook Gem and Mineral Society & Museum

Thanks to the following individuals and businesses for their 2004 cash contributions. Many others have made gifts in kind.

Patron (\$5,000 - \$9,999)

Volunteers for Minerals

Associates (\$2,500 - \$4,999)

Garth & Janice Bricker
Harold Day
Supervisor Bill Horn
San Diego County Board of Supervisors

Topaz (\$1,000 - \$2499)

Stuart & Pam Bruder
Elizabeth Eddy
Cal & Kerith Graeber
Bill and Jeanne Larson
Pala International
Cameron Mitchel

Aquamarine (\$500 - \$999)

William Hollingsworth
Paul & Kathleen Stiles
David & Emily Stoudt

Tourmaline (\$100 - \$499)

Anonymous
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M.S. Dalls
Harold Day
Noel DeDora
Dolores Elmassian, In Memory of Janie Peters
Fallbrook Vintage Car Club
John & Linda Frey, The Soils Co.
James A. Gibbs
Sonia Gilbert
Howard Grant
Jacqueline Jackson, In Memory of Gertrude & Walter Hughes
Erich & Laurie Kern

Continued on page 7

Tourmaline (\$100 - \$499)

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John & Pit Lucking
John Maxwell
Mineralogical Assoc. of Dallas
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Roland Naftule
Anne & Joe Ondraka
Roland & Carol Reed
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Warriner Construction
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Elizabeth & Shogo Yamaguchi
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Dona Dirlam, GIA
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Fallbrook Presbyterian Church
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J. Hoyle
Ruby Jacques, In Memory of Janie Peters
Vanessa Jones
Daina Krigens
C. Landry
Hugh Lawrence
Niki Long, In Memory of Janie Peters
Harold Miller, In Memory of Chuck Weber
Dawn Minette
Bill & Elizabeth Moller

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Donors from page 8

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Eve Page
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Bill & Nancy Schneider
Todd Showalter
Lew & Alice Silverberg
Art & Rosalie Soregaroli
Derk & Virginia Strickwerd, In Memory of Chuck Weber
Matt & Sable Yamaguchi in Memory of Janie Peters

West Coast Faceting School Opens

The International Faceter's Association opened its West Coast faceting school in Idyllwild, California, at the end of 2004. Paul T. Ahlstedt, American Gem Trade Association and "Cutting Edge" Award Winner, operates the program.

The school offers all levels of instruction from beginning to competition level faceting. Classes start at \$45 for a one hour class followed by a three hour lab. Faceting machines and equipment are available for student use. The school's "Jonathan Rolfe Honorary Faceting Laboratory," features CAD workstations for gem design instruction. The school is a short drive from the Los Angeles and San Diego metropolitan areas. For information call toll free: 1-877-GEMKING, or (951) 659-9502 in the Inland Empire. Mr. Ahlstedt also offers an online faceting discussion group at <http://groups.yahoo.com/group/PaulAhlstedt/> which is free and open to faceters of all experience levels.

Murphy's Laws for Field Trips

Moroks Oct. 2004, via Chips 3/97, via Pick & Pack 6/97

1. A location for petrified wood will yield geodes. 2. If a large specimen is uncovered, the tools necessary to remove it will be at home in the garage, if tools are available, it will be discovered that the specimen is too large to fit into the vehicle...but only after it is dragged over and placed near the vehicle. 3. Any specimen chipped to determine quality will promptly shatter, and closer examination will reveal it was a real dandy. 4. The most promising pocket on the cliff will also be a den for scorpions or snakes. 5. The rarity of specimens is inversely proportional to the experience of the finder.

**NEWS & NOTES
FROM THE CFMS
FEBRUARY 2005**

John Fry Director

With the advent of the reality show we begin to wonder just what the public wants to see. Does our hobby deserve to be amongst the new reality shows? The answer is a definite yes. Think of all the people who want to stand in rockhounds shoes and perhaps don't even know it.

California's Gold with Huell Howser specializes in going to places not well known in California yet represent the uniqueness and diversity of California. As you might expect 50% of his shows are about geologic features and mining.

In light of this the CFMS has invited *California's Gold* to do shows on rockhounding, and one in particular about *Zzyzx* in the Mojave Desert. Its unique history as army post, stage stop, religious retreat, and finally a desert studies center, and on occasion lapidary school, make it an ideal show.

Unfortunately this upcoming year 2005 will be the last time the CFMS will be able to hold a week of fun and learning in April at *Zzyzx*, because of the needs of the universities that own the site and their students. So the Federation is in search of an alternate site somewhere in the desert

southeastern part of California.

Although *Zzyzx* was the primary offering it has long been the intention of Mr. Stephen Blockage, Publicity and Public Relations Committee for the CFMS, to offer the Gem Mine site of the state gem, Benitoite as a place to do a show. He immediately got Mr. Howser's attention several years ago if he could arrange a show there; unfortunately the owner hit a vein of gems and has been working the mine since. Of course the owner is unwilling to allow filming at such a secure site, or call attention to the mine unless it is no longer workable. Some other sites to consider are the Davis Creek/Lassen Creek for obsidian; Clear Creek for jadeite; Jade Cove for nephrite jade; the first viable coal deposit in California in Stone Canyon and its associated railroad, and finally the Tonopah and Tidewater railroad and the Dumont dunes and Sperry wash. The village of New Idria where much of the Mercury mined in California originated, and the story of poppy jasper mine might be of interest as well.

So how can you be involved? Do you have anecdotal information, pictures, or historical news clippings of any of these areas? Perhaps a field trip where you found something special or an area with historical interest associated with our hobby. If you have something we'll submit it. If

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CFMS continued from page 9

you have something to share please contact Stephen Blocksage at similite@aol.com or Dick Pankey at his web site. It should be noted that there are many people vying for time on this show, and since this is free, the show is selective and may not immediately run a particular idea, so be patient.

BLM & Buena Vista Museum Geology Field Trips 2005

From the Pegmatite, December 2004

The Bureau of Land Management and the Buena Vista Museum of Natural History in Bakersfield have initiated a program of earth science field trips to points of mineralogical, geologic, paleontological, and historic interest throughout central California. These trips are designed for persons of high school age and older. It is not necessary to have a technical background to attend or benefit from these trips.

Feb. 26: Cerro Gordo—Investigate the ecology, geology, mining activity and mining history of the southern Inyo Mountains, with stops at Little Lake, Lone Pine, Olancho, Keeler, the mining camp of Darwin, Darwin Canyon, and Crystal Springs mining district. **March 11-12: Old Mojave Road**—This program investigates the geology and mining history along the Old Mojave Road from Needles to Baker. **April 22-24: Mojave Desert Symposium at Zzyzx**—San Bernardino County Museum sponsored three-day symposium and a Sat.-Sun. field trip

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Dues Are Due Now

Last call for 2005 Membership Dues. Those memberships that are not renewed by the time of the February meeting will be dropped. Memberships must be current for members to participate in field trips, because of insurance requirements.

Payment may be made by check (preferred) or cash in the amount of \$25.

Make checks payable to "Fallbrook Gem and Mineral Society" and indicate in the memo space "2005 Dues." Payment can be mailed to Fallbrook Gem and Mineral Society at 123 W. Alvarado Street, Fallbrook, CA 92028, attention membership chair.

You can use the mailing envelope included in the **January Lithosphere**. If you did not receive a mailing envelope in your **January Lithosphere** that means that your dues are paid for 2005.

Board Summary continued from page 3

much depends on improving the area behind the Alvarado auditorium. Henry Vogt will move dirt for us and we will put in interlocking blocks for a terrace. That will provide room for 8'x8' storage sheds. The wiring rock storage units will go there also. One of the containers will go to Henry Vogt and the others will be sold.

Summary of January 8th Collection Committee Meeting

Elizabeth Yamaguchi Secretary

Garth Bricker presented a specimen of autunite (uranocircite) from France, on loan from Steven Maslansky, for the Committee to decide on. He suggested that the Walker donation of 29 faceted gemstones be considered for the June Silent Auction. Mike Evans is working on a lay-away procedure for members. Money realized will go into the museum acquisition budget.

Laurie Kern will be contacting the Art Center about the possibility of having a Gem & Mineral exhibit during the Fall Festival in 2006. Gina Palculich would like this to coincide with a Grand Opening of the Museum.

Data entry papers included Temporary Custody Receipts for the Zinn donation (37 minerals) and the Helen Davis donation (18 minerals). The Eugene Karl Collection of Minerals from Mines of San Diego County (purchased from Vi Dawson) is accessioned and on display in the Alvarado Museum. Forty-four specimens donated by the Josephine Scripps estate in 1993 have been accessioned. Those are on display and in storage at Rocky Crest. Collections Committee will meet April 1.

Rummage Around for Rummage

*FGMS needs your rummage for the
Upcoming March 5th Sale at the Alvarado
Museum—Clean out and Clean up at Home.*



Bring donations to the Museum between March 1-4

Silent Auction and Wheel of Fortune Donations Needed

Make this a Great Fund Raising Year!
We need \$10, and \$20 items for the Wheel of Fortune
and Silent Auctions—Bring them to the Feb. or March Meetings,
or drop off at the Museum on Tues., Thurs. between 11:00 a.m.-3:00 p.m.

Garth's World from page 5

His walking over their home had aroused them to do battle with this giant above them. They got him, and Bill moved out quickly smarting all the way. I came back at night and poured gasoline down their hole, and that topped their stinger. See, this is education, you have learned two ways that hornets build their homes.

Back to the Hale Creek in-site locality in Trinity County, somewhat near Weaverville. That's the county seat where the mining records are kept at the recorder's office. This is where you turned in your assessment papers each year. Claiming now is a flat fee, with no work to keep the claim up. That's why people quit doing assessment work—like keeping up the road—now the roads can be river beds strewn with boulders like at the Red Cloud road to the Princess mine, and Hamburg mine in Arizona. Now you have to turn in mining plans and get a bond to put back everything you took out. There was nothing like this when we dug at Hale Creek thank goodness. We even had a person who was the resource person for the Mad River Ranger station as a partner after he changed jobs, and went into hauling logs to the lumber mills.

One year, a teaching friend decided to come up to the mine and say hello. I never saw him but he was there. He came up,

crossed the Mad River on foot, with his family, and hiked the two miles up the hills. He got to my truck near the hornets nest, and took a turn in the road. He must have flunked Boy Scouting "1", because he didn't follow my footprints, which went the other way. The footprints were in plain sight—we were so close! I would have enjoyed having him call down from the mine edge to me at the creek bottom, and been able to show him all around. Show him where to get a drink in this hot summer just a little way up stream, where the mining didn't take place, and the bulldozer hadn't filled in the creek with rubble. There the water still flowed on the top of the ground instead of under the massive amount of mine material dumped from the early 1940's.

I only saw one person in those two weeks I spent each year going down the mine slope and digging at the bottom. That was the claimant's representative who was told to throw three stones so the claimant could turn in his assessment work (really the work I had done).

I was cool down there with plenty of water. I dug the creek from one end to the other looking for calcite with pink crystals imbedded in it. The pieces that didn't look too good I stashed on the side of the rubble filled creek to get later someday. I found

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what looked like killer pieces and some really were. One big chunk that probably weighed about 200 lb. came near the end of my digging there. I winched it up to the mine level. By then the road had collapsed leading up to the mine, and the fellow that leased the trees had loggers come in and make a new road to the mine for logging purposes. It went up a slope only a bulldozer could love. I parked at the bottom of this slope. Coming down with the 200 lb. boulder was another matter. There were several zigs and zags near the top area of the "road" so at the top I tied a rope around the boulder so it couldn't slip off, and rolled it down a ways until I came to a right angle bend that the dozer made with ease. As I started down I had to wrap the rope around a tree to keep it from going down on its own. When I came to another turn, I had to wedge it with a tree part, and snug it to another tree in line with the new direction. I'd start letting the rope get some slack, and the boulder would start going down the new direction under some control until I came to another turn in the "road." Eventually, I came to the more or less straight part, and let the rope loosen a little at time until I came to the bottom.

When I got to the bottom, I couldn't lift the 200 lb. in-site boulder up into the truck. So I stopped before the bottom and backed the truck up to the slope and rolled the boulder down into the truck bed.

I'm going to put this to bed for a month. See you in March. Mining has great memories!

Committee Chairmen and Appointed People for 2005

Gina Palculich President

The following are the committees and their chairs for 2005: Audit Committee, Mary Fong Walker; Building Committee, Erich Kern; Curator, Garth Bricker; Assistant Curator and Displays/Exhibits Committee, Mike Evans; Docent Committee, Gina Palculich; Education, Garth Bricker; Federation Director (CFMS), John Frey; FHS Liaison, Harold Day; Field Trip Committee, Lea Barton, Sally Larsen; Fund Raising Committee, Kerith Graeber; Historian, Sally Larsen; Library Committee, OPEN, *Lithosphere* Editor, Sally Larsen; Membership/Hospitality Committee, Laura Coleman, Meredith Coon; Museum Liaison and Director of Museum Organizing Committee, Cal Graeber; Office Committee, Janice Bricker, Elizabeth Yamaguchi, Laurie Kern; Webmaster, Laurie Kern; Donation/Collection Data Entry, Liz Yamaguchi; Program

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How Does A New Mineral Get “Approved”?

Author unknown. Reprinted from CGMS News, May 2004

The creation of an international authority for the purpose of controlling new minerals, and their names, appeared to be essential in the eyes of numerous mineralogists in order to avoid the then existing confusion in this field. Until 1959 when the International Mineralogical Association (IMA) was created, there were no strict rules regulating the definition of new mineral species. New names were created by researchers themselves, with all possible risks arising from erroneous or incomplete descriptions, or from using already existing names. Michael Fleischer (1961) thus notes that out of 583 new minerals recorded between 1940 and 1959, 106 appeared to be identical to already existing minerals, 97 were mere varieties, and 60 descriptions were incomplete. As a result, 46% of the species were of dubious validity.

Another good example of the confusion in nomenclature is illustrated by cordierite: this mineral has received 23 different names belonging either to local varieties, or to species with only slight differences in chemical composition or physical properties.

The IMA was established in

1959 and its Commission on New Minerals and Mineral Names (CNMMN) was entrusted with the control of the new species and their nomenclature. The first meeting took place in Copenhagen, in 1960. In 1962, during a meeting held at the Smithsonian Institution in Washington, DC, the members of the Commission expressed their first vote: The new international system of approval of new minerals was thus inaugurated by the mineral roquette. The present functioning rules of the CNMMN are the result of successive conventions.

The executive committee consists of a chairman, a vice-chairman and a secretary, elected by the members of the Commission and entrusted with the following well-defined tasks: The chairman is responsible for all matters concerning new minerals and their nomenclature; the vice-chairman deals with proposals of disregard, redefinition and revalidation of minerals; —the secretary functions as a link between the subcommissions with the task of reorganizing mineral groups (amphiboles, micas) and is charged with administrative duties for the Commission. The Commission has established a criteria for the definition of new minerals. Go to http://www.amfed.org/news/n2004_11.pdf for criteria.

FEB.-MARCH SHOW CALENDAR

- Feb. 2-11, Tucson, AZ - Jewelry & Organic Gems Show.** Tucson Exposition Center, I-10 & Irvington Rd., 3750 E. Irvington Rd.
- Feb. 10-13, Tucson, AZ - Tucson Gem & Mineral Society.** Tucson Convention Center, entrance on Church St. & Granada Ave., 260 S. Church St.
- FOR A GUIDE TO THE MANY TUCSON SHOWS IN JAN-FEB. CHECK ONLINE AT:**
http://www.tucsonshowguide.com/tsg/show_index.cfm
- Feb. 11-13, Santa Monica, CA - Gem Faire.** Santa Monica Civic Auditorium, 1855 Main St.
- Feb. 11-13, Wickenburg, AZ - Gold Rush Days.** Wickenburg Community Center, 160 N. Valentine.
- Feb. 18-27, Indio, CA - San Gorgonio Mineral & Gem Society.** Riverside County Fair & National Date Festival. Gem & Mineral Bldg., Bldg. #1, 46-350 Ahrabia St.
- Feb. 19, Phoenix, AZ - Prospectors' Day.** Arizona Mining & Mineral Museum, 11502 W. Washington, 85007.
- Feb. 19-20, Apache Junction, AZ - Apache Junction Rock & Gem Club.** 2005-Rocks Alive. Apache Junction High School, Ironwood & Southern.
- Feb. 24-26, Old Town, Yuma, AZ - 26th Yuma Symposium.**
- Feb. 25-27, Palm Springs, CA - Rockfest USA.** Palm Springs Rockfest & Earth Science Fair. Palm Springs Market Fair, I-10 exit Ramon Rd.
- Feb. 25-27, Santa Barbara, CA - Gem Faire.** Earl Warren Showgrounds, 3400 Calle Real.
- Feb. 25-27, Reno, NV - The International Gem & Jewelry Show.** Reno-Sparks Convention Center. 301-294-0034, www.intergem.net.
- Feb. 26-27, San Francisco, FL - San Francisco Crystal Fair.** Laguna Ave. & Marina Blvd.
- Mar. 4-6, Mesa, AZ - Maricopa Lapidary Society.** "Rocks & Gems Alive in 2005!" Mesa Centennial Center, 201 N. Center St.
- Mar. 4-6, Costa Mesa, CA - Gem Faire.** Orange County Fairgrounds, Bldg. 12, 88 Fair Dr.
- Mar. 4-13, Imperial, CA - Imperial Valley Gem & Mineral Society.** Annual Show. Gem & Mineral Building, Imperial Valley Fairgrounds.
- Mar. 5-6, Ventura, CA - Ventura Gem & Mineral Society.** 43rd Annual Gem, Mineral, Lapidary, & Fossil Show. "Artistry from Nature." Seaside Park, Ventura County Fairgrounds.
- Mar. 5-6, Arcadia, CA - Monrovia Rockhound Show.** Arboretum of Los Angeles

Take a Hint...

High Country Gleamings Nov. 2004, via Oyhee Gems, 1/94, via Chips & Chatters, 7/02

GEODE CLEANING: For a bright sparkle, mix denture powder as directed, and soak geodes with crystal centers and/or your crystal specimens.

CLASSIFIED ADS

BUY—SELL—TRADE—WANTED—GIVEAWAYS



RUMMAGE SALE: March 5, 123 W. Alvarado Street Museum. Be sure to shop the sale.

YOUR AD HERE: Free ad space, email the editor Sally Larsen at slarsen@tfb.com, write to Sally Larsen at 5415 Rainbow Hts. Rd., Fallbrook, CA 92028, or call 760-728-9065.

Committees from page 3

Committee, Mike Evans; Publicity, OPEN; Refreshment Committee, Janice Bricker; Reorganization Committee, Gina Palculich; Strategic Plan Committee, Pam Bruder; Volunteers for Minerals Representative, Garth Bricker; Volunteer of the Year Committee, Past Award Winners.

Geology field trips continued from page 10

through mining districts of the Mojave Desert. **May 13-15: San Andreas Fault**—Sponsored by the Peninsula Geological Society, and will be co-led on May 14 by Dr. Wilkerson. For registration information Contact Dr. Robert Aztkin 650-369-6462, or rszatkin@att.net. **June 11: Johnsondale (California Hot Springs)**—History of the western face of the Sierra Nevada. **Sept. 10-11: Southern Death Valley**—Searles Lake and the Trona Pinnacles, 4x4 roads over Panamint Mountains to Shoshone for overnight.

Sept. 30-Oct 2: Mother Lode-Part I: Southern Mines. Three day field conference on mines, geology and mining history between Maricopa and Jackson.

Registration information: You must complete the form available online at www.ca.blm.gov/bakersfield/georeservationform.htm, Fees are \$10 per person per day, or \$25 per vehicle, whichever is less. Make check payable to Buena Vista Museum of Natural History, 2018 Chester Avenue, Bakersfield, CA 93301. Credit card payments can be made by calling 661-324-6350, which is also the general information number.

Point of contact is Dr. Gregg Wilkerson, BLM, 661-391-6081. Lab: 661-391-6070. Gregg_wilkerson@blm.gov

The Fallbrook Gem and Mineral Society is a §501(c)(3), non-profit, educational and recreational organization dedicated to promote the study of mineralogy and allied earth sciences; to study and practice the art of lapidary; and to promote good fellowship. Regular meetings are held at 7:30 pm on the second Thursday of each month, except February (generally the third Thursday) and July and August (no meetings), at 123 W. Alvarado St. The public is invited to attend our museum located at the corner of Rocky Crest Road and Hill Avenue in Fallbrook. Rocky Crest Museum hours are 1-4 p.m. Thursdays and Sundays, and by appointment with our curator. Museum at Alvarado is open Tues. and Thurs., 11 a.m. to 3 p.m. Annual dues are \$25 for adults, \$20 for each additional adult in the same household; \$6 per child to age 17. The initiation fee is \$6 per person. Membership fees must be submitted along with an application, obtainable from the Society or its web site.

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

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

Contributions: Submissions (articles, letters, notes, announcements, photographs, etc.) are **actively** solicited from FGMS members. Submissions from non-members may be included at the discretion of the Editor. Copyrighted material submitted for publication 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 all 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, all submissions become the property of the Fallbrook Gem and Mineral Society. Send all submissions to the Editors.

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Lithosphere

Fallbrook Gem and Mineral Society

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