

# **Bulletin of the Mineralogical Society of Southern California**

Volume 86 Number 8 August, 2013

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*The 900<sup>th</sup> meeting of the Mineralogical Society of Southern California*

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**Saturday, August 10<sup>th</sup>, 2013 at 12:00 to 5:00 pm**

**Bruce & Kathy Carter's House**

*(See Page 2 For More Information)*

***Come Celebrate MSSC's 900<sup>th</sup> Meeting  
at the August Picnic !***

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**Remember:** If you change your email or street address, you must let the MSSC Editor and Treasurer know or we cannot guarantee receipt of future Bulletins!

**About the Program: “**

**MSSC POT-LUCK PICNIC  
CELEBRATING OUR 900TH MONTHLY MEETING**

When: Saturday, August 10, 2013  
Time: Noon to 5 pm (we'll eat at 1:00pm.)  
Where: Home of Bruce and Kathy Carter,  
Food: Potluck (see below)  
Drinks: Water provided. Bring other beverages as you prefer.  
**RSVP:** [MSSCBulletin@earthlink.net](mailto:MSSCBulletin@earthlink.net)  
**RSVP DEADLINE:** August 7th

**THE LOCATION**

Bruce and Kathy's home is just north of Foothill Blvd and west of Mayflower Ave in Monrovia. Street parking is available. They have a beautiful back yard with shade structures and an outdoor kitchen. If it is too hot, then we can easily move into the house to their large living room, family room and dining room.

**THE POTLUCK**

Bruce is making chili. Pat is bringing hamburger patties and buns. Ann is making her special four-bean salad, and of course, there will be a special 900<sup>th</sup> meeting cake !

Please bring your own special potluck offering to share, a salad (homemade or from the deli), a veggie tray, cookies, pie, grapes, fruit salad, Subway sandwiches to share, El Pollo Loco chicken, a jar of pickles, a can of olives, chips and salsa or guacamole, or anything edible. The gas BBQ grill is available .

MSSC will supply plates, cups, napkins, knives, forks and spoons and will also supply water and ice. It is suggested you bring any serving utensils your contribution requires. Be sure to mark them and your serving dish with your name or initials so you're sure to get them back. You may also want to bring your favorite folding chair(s) as seating may be limited if the attendance is high. Let's see what delicacies turn up this year!

**THE SWAP TABLES**

Those of you who are so inclined may bring items to sell or trade that are related to our hobby – minerals, fossils, lapidary, gems/jewelry, geo-science books, and mining memorabilia.

**THE PROGRAM – CELEBRATING 80+ YEARS OF THE MSSC**

In honor of our 900th meeting in our 82nd year (1931-2013), we are having a short program of reminiscences of the earlier days of the MSSC – the people, events, trips, shows, and more – presented by long time members. Though our founding members are no longer with us, there's a lot of shared memories from the past. We hope this will stimulate additional discussions. We will also have some of the early Bulletins and other history items available to peruse.

**Please RSVP** at the email address or phone number listed above to help us with the setup. If you call, there is an answering machine so please **CLEARLY IDENTIFY YOURSELF** and **HOW MANY ARE IN YOUR PARTY**.

**See ya'll there!**

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**From the Editor:**

Well, this is a red-letter month...our.900<sup>th</sup> meeting! I look forward to seeing you all at the MSSC Picnic on the 10<sup>th</sup>. It is very gracious of Bruce and Kathy Carter to make their lovely home and yard available for this momentous event. Thank you both.

On another note, I've recently heard from several members that they suddenly are not getting their email bulletins. After confirming that we have the correct address, it seems that the spam blocker in their email system has decided that since the email contains a very long list of addresses (in the bcc space) it must be spam! Please be sure that you have set your system to see the bulletin address ([msscbulletin@earthlink.net](mailto:msscbulletin@earthlink.net)) as an allowable contact. Once you tell your system that you want to accept emails from the bulletin address, you hopefully should have no further problem getting your bulletins every month. I try to get your email bulletin out to you on or before the first of the month with the mailed copies going out the same day if possible. If you don't have it soon after, let me know.

\*\*\*\*\*

## MEANDERINGS FROM THE PRESIDENT by Ann Meister

\*\* The August PICNIC is in our own backyard – well, in Bruce and Kathy Carter’s back yard. \*\*

There’s an announcement elsewhere in the Bulletin that tells you all about the picnic-potluck. I hope to see you there. It’s the 900th meeting(!) so we will have a celebratory cake. Bruce Carter is arranging a “memory lane” program with some long-time members (note, I didn’t say “old”) sharing stories of the people, events, and activities that made the MSSC a comfortable home for many eclectic, and sometimes eccentric, mineral enthusiasts. We hope the program will stimulate discussions of happy and humorous happenings. All members and former members and their families are invited. If you are in contact with someone you think should be there, please let them know about it. We’re also inviting the Fallbrook Gem & Mineral Society and the Museum Gem & Mineral Council. Many thanks to Bruce and Kathy for their hospitality.

Now down to Society business. With this Bulletin, you are receiving the proposed MSSC Bylaws and Operating Rules. We will have a discussion and vote on them at the September meeting. There is an explanation elsewhere in the Bulletin about the changes in these documents. They are not just edits of the previous versions (dated 10-98), but a complete rewrite, thanks to the efforts of Bob Griffis who plowed through the requirements and legalese to make sure all bases were covered. This has been an ongoing project for several years and I thank the Board for their perseverance. We halted discussions at one point because the activity seemed superfluous if the Society was not going to survive. Well, I think it’s healthier now than it has been in a long time. Let’s keep up the enthusiasm and energy!

On that note, who has the passion and fortitude to undertake the chair(wo)manship of a show? This must be someone who has experience in the organization and successful operation of such an event. Before we decide whether or not to dispose of the show cases and other equipment that have been gathering dust (and who knows what else) in the trailer stored at Geoff Caplette’s business (thanks Geoff), we need to consider: Are we ever going to sponsor another show? What would it look like? Where and when would it be held? Lots of question, not enough answers. The picnic would be a good time to reminisce about the past shows and do some looking ahead. If anyone has a picture album of past shows, bring it to the picnic for all to enjoy. Maybe it will stimulate our little gray cells to find new ideas or inspire someone to volunteer...

So I’ll be looking for you at the picnic-potluck on August 10! Let’s enjoy this happy celebration as we look ahead to 900 more meetings.

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## MINUTES of the July 12<sup>th</sup>, 2013 MSSC General Meeting:

The 899th meeting of the Mineralogical Society of Southern California was held on Friday, July 12, 2013, at Pasadena City College, Geology Building. President Ann Meister brought the meeting to order at 7:35pm.

### Regular Business:

Welcome to all in attendance at tonight’s meeting. President Ann Meister asked for a motion to approve the Minutes of the last Membership Meeting as listed in the July Bulletin

Minutes of June 14, 2013 meeting were approved by motion from George Rossman, seconded by Bruce Carter and carried by membership vote.

### Announcements:

- If anyone in attendance is not yet a member and want to join, please see Jim Kusley, Treasurer, who will enroll you;
- Check the Rideshare List in the Bulletin to give or accept a ride to meetings. We want to encourage use of this program;
- A short Board of Directors meeting at which time we will be voting on the Operating Rules. The Operating Rules will be published in the August 2013 Bulletin for membership review and voted for approval at the September 2013 meeting;
- On July 18-19, 2013, lecture *Exploring the Extreme Universe with [JPL’s] NuStar Nuclear Spectroscopic Telescope Array*. For more information, please check the JPL website or ask me (Ann Meister);
- July 25, 2013, Charles Carmona will speak at the Gem and Mineral Council on “*Gemology in Tanzania*” at the Page Museum at 7:30pm;
- The MSSC annual picnic will be held on **August 10, 2013** at the home of Dr. and Mrs. Bruce Carter. Festivities begin at Noon and conclude at 5pm. Pot Luck, swap tables, interesting histories by members and lots of conversation will be offered. The occasion will mark the Mineralogical Society of Southern California’s 900<sup>th</sup>

**Membership Meeting.** There will be a formal Call to Order and a brief program of select members' memories about the society and its history. Please check the August Bulletin for the announcement of the picnic;

- California Federation of Mineralogical Societies, Inc (CFMC) elections are coming up.
- The Gem Fair flyers are available.
- No Show N' Tell, no other announcements.
- Meeting turned over to Bruce Carter.

#### **Program:**

Bruce Carter introduced Jeff Hapeman, who will present a program on the Chief Mountain mines: Oceanview, Pala and Elizabeth R, their recent finds and new pockets. Jeff began working in finance then realized that minerals and gemstones was where it's at. This presentation was originally put together by Jeff for the Tucson show a year and a half ago.

Jeff started by giving us some background about his upbringing in Pennsylvania and how he dreamed of pegmatite in Southern California and never thought he'd be around them. When he finally came to Southern California, he spotted pegmatite at Blue Lady in the Warner Springs area. Eventually he got involved with the owner of Ocean View mine and got back into gems and minerals.

Jeff told of some discoveries of the mines: the 2007 49er Pocket of beryl, mostly purplish-blue that was massive, the aquamarine Prince of Pala specimen, muscovite mica, peach/pink morganite (named for J P Morgan) and other minerals and gems. [FYI: Gem & Mineral field trip to Oceanview will be September 2013].

In 2010, the Big Kahuna Zone produced a major find of kunzite (named for George Kunz), the largest in the Oceanview Mine, spodumene (var. kunzite), elbaite and other amazing tourmalines.

These finds demonstrate how independent working mines can produce fantastic crystals and minerals with a little hard work. Jeff brought several beautiful specimens for us to admire and inspect. These tourmalines are huge, distinct, colorful and mostly flawless.

Jeff was kind enough to respond to Q & A by those in attendance. We thank Jeff for his wonderful presentation and those fabulous specimens!

The drawing was won by #6 on the roster. Refreshments were served after the Membership Meeting adjourned at 8:40 p.m.

Respectfully submitted by Angie Guzman, Secretary.

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#### **MINUTES of the July 7<sup>th</sup> Board of Director's Meetings:**

The Board of Directors of the Mineralogical Society of Southern California met Sunday, July 7, 2013 at the home of Bruce Carter. The meeting was called to order by President Ann Meister at 12:03 pm.

In attendance: President Ann Meister, Vice-President George Rossman, Treasurer Jim Kusely, Federation Director Jo Anna Ritchey, Past President Geoff Caplette, Directors Bruce Carter, Leslie Ogg, Pat Caplette, and Pat Stevens. Visitor: Bulletin Editor Linda Elsnau. Absent: Secretary Angela Guzman, Director Bob Housley.

Minutes of the previous board meeting on June 2, 2013 were approved as published in the July 2013 Bulletin. Motion: George Rossman; Second: Leslie Ogg.

#### **OLD BUSINESS**

- **Bylaws:** A draft Bylaws based on the discussion at the June 2 Board meeting were prepared by Leslie Ogg and emailed to members on June 2, 2013. Pat Stevens made the motion that we approve the Bylaws as emailed in the file MSSC Bylaws (rev 6-2-13).doc. Second: Bruce Carter. Passed by the Board.
- **Operating Rules:** The draft Operating Rules were prepared by Ann Meister and emailed to members on June 4, 2013. There was additional discussion. An updated draft will be emailed to the Board for review.
- **Distribution:** The proposed Bylaws and Operating Rules will be distributed to the members with the August Bulletin as separate files. The snail mail Bulletin will include printed copies of the documents. An explanation of the major changes will be in the Bulletin. The Society membership will vote at the September meeting. Ann will provide mailing envelopes to Linda.

#### **NEW BUSINESS**

**Picnic:** Bruce and Kathy Carter have graciously offered their backyard for the Picnic and 900th meeting. The date will be August 10 from noon to 5. It is a potluck with the Society providing plates, cups, etc. and water. Bring your own beverages and sufficient food to share for the potluck. The program will have 6 members talk about earlier days of the Society. Hopefully, this will generate smaller group discussions. There will also be tables setup for a swap. There may be enough chairs, but people can bring their own, just in case. Fallbrook Gem and Mineral Society and the Museum Gem Council will be invited to attend.

#### **RETURN TO OLD BUSINESS**

Before we do anything with the trailer, we need a complete inventory. If we still want to store the items, it may be cost effective to look into PODs or local moving company container storage options. We also need to decide if we really are going to put on a show. It requires an experienced show chair person who has the passion and energy to put it together. Discussion is postponed to the next regular Board meeting.

#### **NEXT MEETING**

The next meeting will be after the July 12, 2013 regular meeting to approve the Operating Rules. The 3rd quarter Board meeting will be in mid September 2013. Specific date and location to be determined.

**ADJOURN:** Meeting was adjourned at 2:22 pm.

Respectfully submitted, Ann Meister, secretary pro tem

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### **Minutes of the July 12<sup>th</sup> Board of Director's Meetings:**

Board of Directors meeting held at Pasadena City College, Geology Building on July 12, 2013.

**Call to Order:** Meeting called to order 8:45pm by President Ann Meister.

#### **Business**

Discussion regarding the Operating Rules changes as amended from the previous Board meeting, July 7, 2013:

- Treasurer section does not need to provide detailed procedure for filing various governmental forms. Only list the forms required for the (4) agencies. There is a Treasurer's Handbook that describes the procedure and provides full instruction;
- Shows: "Dealer Chair shall report to both the Board and the Show Chair";
- "Internet forums as deemed appropriate by the Board".
- Secretary section to include: "The Secretary as a second signer when the Treasurer is not available with the same stipulations stated in section 4a" (Treasurer's section).

**Motion:** To approve the Operating Rules per the revision 7-12-2013 plus the minor revisions to Treasurer's section made by Bruce Carter. Second by Leslie Ogg.

**Discussion:** Question by Linda: Effective on the date we approve? Yes. Ann: Both the By Laws and the Operating Rules are effective on the date we approve them.

Question by Linda: Distribution of By Laws and Operating Rules to show the change history? No, people will have opportunity to review the old with the new (Ann will e-mail them upon request) and members may question or suggest should they feel it necessary.

Preface will be written by Ann Meister, President and then sent to the Board for review/approval

**Vote: Unanimous.**

Minutes from past Board meeting will be read/approved at the September 2013 meeting.

Bulletin deadline July 25, 2013 – per Linda.

**Adjourned** 8:55pm.

Respectfully submitted by Angie Guzman, Secretary.

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**Explanation of Changes to the MSSC Bylaws and Operating Rules to be effective upon approval at the September 13, 2013 General Meeting:** by Ann Meister

Included with this Bulletin you have the proposed new and improved MSSC Bylaws and the Operating Rules that we, the membership of MSSC, will vote on at the September meeting. Why did the Board subject itself to this tortuous activity? Because the old Bylaws and Operating Rules were out of date and no longer reflected the needs and current operation of the MSSC.

The Bylaws, along with the Articles of Incorporation, are legal documents that state who we are and regulate how we handle our internal affairs through the Board of Directors. The Operating Rules (OR's) are a convenience to cover items that are supplemental to the Bylaws and the Articles of Incorporation, and by practice cover items that are more subject to change, such as dues, officer duties, and committees. The proposed Bylaws and OR's are not just edits of the previous versions (dated 10-98 and available on request), but are a complete rewrite, thanks to the efforts of Bob Griffis who plowed through the requirements and legalese to make sure all bases were covered. Both Bylaws and OR's have been restructured to bring them into the 21st Century.

In the Bylaws, there are now ten Articles where the previous version had five. Some of this is the result of restructuring – moving sections from the OR's to the Bylaws (name, objectives, membership) – plus there are new Articles covering issues such as termination of membership and dissolution of the Society. Some Articles have the same names in new and old, but the content includes major additions covering issues that could cause problems if left unstated or ambiguous, such as legalities covering Board Members. The MSSC is a California corporation, not just a “club” and is also a 501(c)(3) non-profit organization in the eyes of the IRS.

Notable changes of general interest include:

1. Membership & Dues: There is no longer a special dues rate for students. Family membership entitles voting privileges to two adults in the family.
2. Bulletin: If you want a paper Bulletin, there will be a \$20 yearly charge to cover the cost of printing and mailing. The new membership form for 2014 will show this as a separate item.
3. Board of Directors: The number of Directors has been changed to five (from seven).

We will vote to adopt the new Bylaws and Operating Rules at the September meeting. Please read the attached documents. It is always good to know what you are voting on. If you have any questions, please send them to me by email at [president@mineralsocal.org](mailto:president@mineralsocal.org).

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## **Ride Share Listing**

### **Can You Provide A Ride?**

### **Would You Like Company On The Drive To Meetings?**

We have heard from several of our members that they would like to ride-share with someone to the meetings. We will list the names, general location and either a phone number or an email address of anyone who would like to connect for a ride-share. If you would like to catch a ride or would like company for the trip, let me know at [msscbulletin@earthlink.net](mailto:msscbulletin@earthlink.net) and I'll put the information in this section of the bulletin. After that, any final arrangements made are up to you. Also, If you make a connection that works for you, let me know so that I can remove your information from the bulletin. The Editor

Looking for	Who	Where	Contact at
A ride	Richard Stambert	North Orange County, near Cal State Fullerton	
A ride	Catherine Govaller	San Bernardino, CA	

**Please consider ride sharing to the meetings. You the driver have company on the trip and you will help members that no longer drive enjoy their membership so much more.**



## Did you know?

When a mineral specimen consists of parallel or radiating groups of crystals, it is described as:

Descriptions are as defined in Manual of Mineralogy, 15<sup>th</sup> edition, by: Dana & Hurlbut; published in 1941

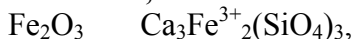


*irocks.com photo*

### Columnar:

When the individual crystals are stout column like crystals as shown with the “columns of Hemetite in this specimen:

#### Hematite , Andradite



**Locality:** [Wessels Mine \(Wessel's Mine\), Hotazel, Kalahari manganese fields, Northern Cape Province, South Africa](#)

10.5 x 7.5 x 5.5 cm



*irocks.com photo*

### Bladed

When the crystals are an aggregate of many flattened blades as displayed in this Barite specimen:

#### Barite



**Locality:** [Mine No. 18, Paleokamariza Mines, Paleokamariza area, Lavrion District Mines, Lavrion \(Laurion; Laurium\) District, Attikí \(Attica; Attika\) Prefecture, Greece](#)

5.8 x 3.8 x 3.0 cm.

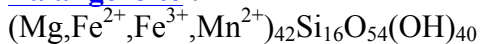


*irocks.com photo*

### Fibrous

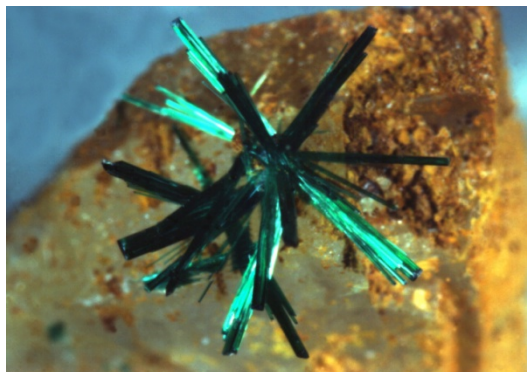
When they are in slender fibrous aggregates such as in this:

#### Balangeroite :



**Locality:** [Poggio San Vittore asbestos mine, Balangero - Corio area, Lanzo Massif, Lanzo Valley, Sesia-Lanzo zone, Torino Province, Piedmont, Italy](#)

7.7 x 1.7 x 1.0 cm.

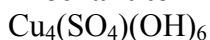


FL Elsnau photo

## Stellated

When radiated individual crystals form star-like or circular groups, they are described as stellated

## Brochantite



**Locality:** Blanchard Mine, (Portales-Blanchard Mine)  
Hansburg District Bingham, New Mexico --  
Group appx 4mm across

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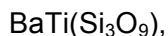
## August Featured Mineral: Benitoite

**Formula:**  $\text{BaTi}(\text{Si}_3\text{O}_9)$

**Crystal System:** Hexagonal

**Name:** After the type locality in San Benito County, California, USA.

### Benitoite :



**Locality:** Dallas Gem Mine (Benitoite Mine; Benitoite Gem Mine; Gem Mine), Dallas Gem Mine area, San Benito River headwaters area, New Idria District, Diablo Range, San Benito Co., California, USA  
1.9 x 1.6 x 0.9 cm.



irocks.com photo



irocks.com photo

**Benitoite :**  $\text{BaTi}(\text{Si}_3\text{O}_9),$

**Neptunite :**  $\text{Na}_2\text{KLi}(\text{Fe}^{2+}, \text{Mn}^{2+})_2\text{Ti}_2(\text{Si}_8\text{O}_{24})$

**Locality:** Dallas Gem Mine (Benitoite Mine; Benitoite Gem Mine; Gem Mine), Dallas Gem Mine area, San Benito River headwaters area, New Idria District, Diablo Range, San Benito Co., California, USA  
5.5 x 3.7 x 2.4 cm

*Benitoite is the State Gem of California.*

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## Polka-Dot Granite in Joshua Tree National Park by D. Trent & R. Hazlett

While wandering around Joshua Tree National park in spring 2005, some really strange rocks were found near the overlook of the Desert Queen Mine. What was found were little “halos” or “donuts” embedded in the granite rocks. Dee Trent who collaborated with Rick Hazlett in coming up with a theory as to their formation as follows:

### Polka-Dot Granite: by Trent & Hazlett

The granite traversed along the abandoned mine road-trail to the Desert Queen Mine reveals some of the “funny things” that occur in granite, features that have become known as “polka dots.” The polka dots are small (2-5 inch) spherical inclusions composed of fine grains of biotite, muscovite and garnet and surrounded by a light-colored rim of plagioclase feldspar and quartz. As with other geological phenomena, an explanation may be straightforward but not simple.

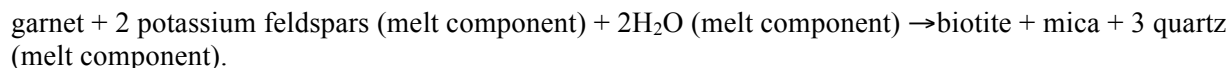
The rocks in which the polka dots occur are known as S-type granites, the S from sedimentary. In other words, these rocks are recycled sedimentary rocks in contrast to M-type granites that are derived from partial melting of the mantle. They are considered S-type because of a high alumina ( $\text{Al}_2\text{O}_3$ ) content that can only be explained by a source rich in



alumina; such granites are called peraluminous. The source of alumina would be the sedimentary rock shale or, in this case, the Pinto Gneiss, the common metamorphic rock that is so widespread in the Joshua Tree region which originated from a sedimentary paleolith.

High-alumina granite crystallizes under high pressure in the lower crust, where high pressures favors alumina excess (alumina excess meaning the ratio of  $\text{Al}_2\text{O}_3/(\text{CaO}+\text{K}_2\text{O}+\text{Na}_2\text{O})$  is greater than one with the ratio of 1.00 being that in feldspars). In the case where the magma has a higher alumina ratio, the excess alumina must go into such minerals as garnet, high-aluminum biotite, muscovite, cordierite corundum, tourmaline, etc.

Assuming you've followed this so far, it no gets a bit more complicated. The polka dots originally may have been either cordierite or garnet, we prefer the latter. At high magmatic temperatures the garnets would be stable, but as the magma cooled and the chemical activity of  $\text{H}_2\text{O}$  and  $\text{K}_2\text{O}$  increased, chemical reactions took place converting much of the garnet to biotite and muscovite. However, because the reaction did not go to completion, we are left with polka dots that contain relict garnets within masses of the fine-grained micas. The chemical reaction can be represented by the equation:



This reaction will also produce a surrounding halo of quartz and plagioclase and a depletion of potassium feldspar relative to the matrix of the enclosing rock.

Now, the origin of the garnets in granite is quite another matter, a can of worms the explanation of which can wait for another time. One thing we do know, however, because of the presence of muscovite in the rocks, is that the pressure under which the magma was crystallizing was quite high in order for the muscovite to be stable. That pressure would have had to have been at least 3 to 4 kb, unless the magma was also enriched in fluorine (which acts as a sort of fluxing agent in magmas) in which case the pressure would be somewhat less. Thus, the polka dots are magmatic, not metamorphic, in origin, crystallizing early in the cooling history of S-type granites at middle to upper crustal pressures.

*Editor's note: Thank you Dee for offering this article for the bulletin.*

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## Special Exhibit at the Bowers Museum

### Third Time's a Charmer: "Jewels of the Connoisseur"

From the Bowers Museum's Press Release: (<http://www.bowers.org/files/Jewels-of-the-Connoisseur-Press-Release.pdf>)

Gray and Johnston have played many roles in the world of gems and jewelry including miner, gem and mineral dealer, gem cutter and jewelry designer. Their collection of little known gems has grown over the years to include species such as jeremejevitte from Namibia, sphene from Pakistan and Madagascar, scheelite from China, stibiotantalite from Mozambique and black opal from Nevada. Together they have crafted these and other rare stones into familiar jewelry and art presentations in order to introduce and celebrate the world of rare stones to a wider audience. Because the stones are naturally produced in limited quantities they rarely, if ever, find their way to the broader commercial market. Some of the gems presented in Jewels of the Connoisseur are indeed so rare that even avid gem collectors are unable to own them.

The exhibition opens July 27, 2013. The museum is open extended hours on Thursdays during through September 12. for further details, call or check on the web:

#### Bowers Museum

2002 N Main St Santa Ana, CA 92706  
(714) 567-3600

[http://www.bowers.org/index.php/art/exhibitions\\_listing/upcoming](http://www.bowers.org/index.php/art/exhibitions_listing/upcoming)



**Dragon pendant.** The body of this wild and fabulous creature is a 21.09-carat opal from Nevada. The wings are encrusted with 11.90 carats of spessartine, the limbs, neck and tail with 6.23 carats of soft benitoite. (Photo: Robert Weldon, courtesy Bowers Museum)

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# West Coast GEM & MINERAL SHOW

**Holiday Inn - Orange County Airport**  
**2726 S. Grand Ave., Santa Ana, CA 92705**

(Take 55 Fwy exit 8 for Dyer Rd. to S. Grand Ave.)

**NOV. 8 - 10, 2013**

**80 Top Quality Dealers!**

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**FREE ADMISSION • FREE PARKING • WHOLESALE • RETAIL  
OPEN TO THE PUBLIC • Show Hours: Fri. & Sat. 10 - 6 • Sun. 10 - 5**

LLD Productions, Inc. in cooperation with Martin Zinn Expositions, L.L.C., P.O. Box 665, Bernalillo, NM 87004

Fax: (303) 223-3478, [mzexpos@gmail.com](mailto:mzexpos@gmail.com), [www.mzexpos.com](http://www.mzexpos.com)



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## Calendar of Events:

Only local area shows are listed here. Other CFMS Club shows can be found at: <http://www.cfmsinc.org/>

### AUGUST 2013

**August 2 - 4: NIPOMO, CA**  
Orcutt Mineral Society, Santa Maria  
Nipomo High School  
525 North Thompson Ave.  
Hours: Fri/Sat 10 - 5; Sun 10 - 4  
Website: [www.omsinc.org](http://www.omsinc.org)

### SEPTEMBER 2013

**September 7-8: DOWNEY, CA**  
Delvers Gem & Mineral Society  
Downey Woman's Club  
9813 Paramount Blvd.  
Corner of Paramount & Lubec  
Hours: Sat. 10-5; Sun. 10-4

### OCTOBER 2013

**October 5 - 6: BORON, CA**  
Mojave Mineralogical Society  
Boron Community Building  
South End of Boron Avenue  
Hours: Sat 9-5; Sat, Sun 9 -4

**October 6: FALLBROOK, CA**  
Fallbrook Gem & Mineral Facility  
123 West Alvarado Street  
Hours: 10 - 4  
Website: [www.fgms.org](http://www.fgms.org)

### October 19 - 20: WHITTIER, CA

Whittier Gem & Mineral  
Society  
Whittier Community Center  
7630 Washington Blvd  
(corner of Mar Vista &  
Washington)  
Hours: 10 - 5 daily

**2013 MSSC Officers:**

<b>OFFICERS</b>		
President	Ann Meister	<a href="mailto:president@mineralsocal.org">president@mineralsocal.org</a>
Vice President	George Rossman	<a href="mailto:programs@mineralsocal.org">programs@mineralsocal.org</a>
Secretary	Angie Guzman	<a href="mailto:secretary@mineralsocal.org">secretary@mineralsocal.org</a>
Treasurer*	Jim Kusely *	<a href="mailto:treasurer@mineralsocal.org">treasurer@mineralsocal.org</a>
CFMS Director	Jo Anna Ritchey	
Past Pres.	Geoffrey Caplette	
<b>DIRECTORS</b>		
2013-	Geoffrey Caplette	
2013-	Leslie Ogg	
2013-	Pat Caplette	
2013-	Bruce Carter	
2013	Pat Stevens	
2013	Bob Housley	
<b>COMMITTEE CHAIRS</b>		
Publicity	Linda Elsnau	<a href="mailto:bulletin@mineralsocal.org">bulletin@mineralsocal.org</a>
Membership	Jim Kusely	<a href="mailto:treasurer@mineralsocal.org">treasurer@mineralsocal.org</a>
Program and Education	Bruce Carter	
Webmaster	Leslie Ogg	<a href="mailto:webmaster@mineralsocal.org">webmaster@mineralsocal.org</a>
Bulletin Editor	Linda Elsnau	<a href="mailto:bulletin@mineralsocal.org">bulletin@mineralsocal.org</a>
Micro Mount Conf. Chairman	Al Wilkins	
* Treasurer	Jim Kusely –proviso due to surgery, mid 2013, Ahni Dodge and Laura Davis to assist while Jim convalesces	

**About the Mineralogical Society of Southern California**

Organized in 1931, the Mineralogical Society of Southern California, Inc. is the oldest mineralogical society in the western United States. The MSSC is a member of the California Federation of Mineralogical Societies, and is dedicated to the dissemination of general knowledge of the mineralogical and related earth sciences through the study of mineral specimens. The MSSC is a scientific non-profit organization that actively supports the geology department at Pasadena City College, Pasadena, California. Support is also given to the Los Angeles and San Bernardino County Museums of Natural History. The Bulletin of the Mineralogical Society of Southern California is the official publication of the Mineralogical Society of Southern California, Inc.

The MSSC meetings are usually held the second Friday of each month, January, February and August excepted, at 7:30 p.m. in Building E, Room 220, Pasadena City College, 1570 E Colorado Boulevard, Pasadena, California. The annual Installation Banquet is held in January, and the annual Picnic and Swap Meeting is held in August. Due to PCC holidays, meetings may vary. Check the Society website for details.

The Society also sponsors the annual Pacific Micro mount Symposium held at the San Bernardino County Natural History Museum during the last weekend of January.

Annual Membership dues for the MSSC are \$20.00 for an individual membership, \$30.00 for a family membership. The Society's contact information:

**Mineralogical Society of Southern California**

**1855 Idlewood Rd.,**

**Glendale, CA 91202-1053**

**E-mail:** [treasurer@mineralsocal.org](mailto:treasurer@mineralsocal.org)

**Web:** <http://www.mineralsocal.org> **The Mineralogical Society of California, Inc.**

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