

# Bulletin of the Mineralogical Society of Southern California

Volume 86 Number 2 February, 2013

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*The 894<sup>th</sup> meeting of the Mineralogical Society of Southern California*

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**February 22<sup>nd</sup>, 2013 at 7:30 pm**

**Pasadena City College  
Geology Department, E-Building, Room 220  
1570 E Colorado Blvd., Pasadena**

*Special note: Due to the Tucson Gem Show in early February, the meeting has been moved to a later Friday.*

**A Gentle Reminder:**

- 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!
- If you don't pay your 2013 Membership Dues by March 31, **..March will be your last bulletin!**

**In this Issue:**

<b><i>TITLE</i></b>	<b><i>Page</i></b>
<b>Program: "Once Upon a Time in Kamchatka: The Extraordinary Search for Natural Quasicrystals"</b> by Paul Steinhardt	<b>2</b>
<b>From the Editor</b> Linda Elsnau	<b>2</b>
<b>Meanderings from the President</b> - Ann Meister	<b>3</b>
<b>Minutes of the January, 2013 Meeting</b>	<b>3</b>
<b>Ride Share Listing</b>	<b>5</b>
<b>How I Got Interested In Minerals.</b>	<b>5</b>
<b>Sneak Preview of the March Program</b>	<b>6</b>
<b>February Featured Mineral</b>	<b>7</b>
<b>California Native Rock Park Needs Your Help</b>	<b>7</b>
<b>The Most Dangerous Volcano on Earth!</b>	<b>8</b>
<b>Calendar of Events</b>	<b>9</b>
<b>2013 Officers</b>	<b>10</b>
<b>About MSSC</b>	<b>11</b>

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**About the Program: "Once Upon a Time in Kamchatka: The Extraordinary Search for Natural Quasicrystals"** by Paul Steinhardt

Theoretical physicist Paul Steinhardt did not expect to spend last summer traveling across spongy tundra to a remote gold-mining region in north-eastern Russia. But that is where he spent three weeks tracing the origins of the world's only known natural example of a quasicrystal — an exotic type of structure discovered in 1982 in a synthetic material by Dan Shechtman, a materials scientist at the Israel Institute of Technology in Haifa who netted the 2011 Nobel Prize in Chemistry for the finding.

“I just grabbed the problem and held on wherever it dragged me — even across the tundra,” says Steinhardt, from Princeton University in New Jersey. The story includes secret diaries, smuggling and the discovery that nature's quasicrystal seems to come from a meteorite some 4.5 billion years old: far from an artificial innovation, the quasicrystal may be one of the oldest minerals in existence, formed at the birth of the Solar System. The finding was published this week in the *Proceedings of the National Academy of Sciences*<sup>1</sup>.

**Paul J. Steinhardt** is the Albert Einstein Professor of Science at Princeton University and a professor of theoretical physics. He received his B.S. at the California and his Ph.D. in Physics at Harvard University. He was a Junior Fellow in the Harvard Society of Fellows and Mary Amanda Wood Professor of Physics at the University of Pennsylvania before joining the faculty at Princeton University in 1998. He is currently the Director of the Princeton Center for Theoretical Science.<sup>[1]</sup>

Also Paul Steinhardt, our speaker, is very interested in talking with any of our members who have samples of Cupalite or Khatyrkite. If you have any of these two minerals, please make yourself known to the speaker during our coffee time after the meeting

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**From the Editor: Linda Elsnau**

Thank you to everyone that has elected to switch from printed “snail-mail” bulletins to the email option. I hope that even if you don't opt to print them, you find them comfortable to read in the new format. I encourage those who have email access and have not switched to please consider doing so. Since I have received many request that I send the bulletin in PDF format so that it can be viewed more easily by all computers I have switched to PDF.

Also, I have had comments that when printed, sometimes the edges get cut off. I have no way of knowing the margin limitations for every printer out there so I offer this suggestion: you can use your printer's option to shrink the document to fit. It may reduce the size of the printed page slightly, but you will get everything! This may not actually be a problem when printing the PDF format anymore but I offer the suggestion just in case!

I also want to extend my gratitude to all of the club officers that helped me get the January bulletin out in only 3 days. While JoAnna Ritchey was scheduled to do the bulletin, health issues caused her to hand it off to me late on Dec. 28<sup>th</sup>. Since the deadline for banquet reservations was only 10 days away, it was urgent that I get the bulletin into the members hands asap. Everyone was so helpful, in getting material to me within a day or so. Our Treasurer, Jim Kusely was especially helpful in helping me verify current addresses for everyone. Thank you all so much!

I'm still looking for input from our members. Please think hard on what you can contribute to help make our bulletin more interesting for everyone. Please see my list of possibilities in the Jan Bulletin for inspiration.

To all contributors: As the Feb. meeting is so late in the month, things are a little tight to get the March bulletin out before the March 8<sup>th</sup> meeting. Therefore, **the deadline to add an article or report to the March bulletin is Feb.27th**

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**MEANDERINGS FROM THE PRESIDENT:** Ann Meister

What a great turn out at the banquet! Thank you all for coming. Those of you who missed it, missed an excellent program by Rick Kennedy on a new locality in Yucca Valley, of all places, where they found good aquamarine among other things. It just goes to show you that perseverance, observation, and hiking in strange places might actually turn up a new find. Wow, just amazing. Perhaps this might encourage someone to become Field Trip Chairman and to take some exploratory field trips with our members? Just a thought... With fires and rainy washouts over the past few years, there must be new outcrops somewhere that haven't been explored.

Many thanks to all who contributed to the silent auction. Unfortunately, I didn't get the names. Lots of goodies made the Society lots of \$\$\$\$. I know Anette Pumphrey and Linda Elsnau made some of the fine jewelry.

The Board needs to meet soon, so look at your calendars and get out your copy of the Bylaws and Operating Rules. We need to finish our work on those documents and present them to the membership. Let's get started on the new year.

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**MINUTES of the January 19, 2013 MSSC Meeting:**

The 893rd meeting of the Mineralogical Society of Southern California (MSSC) was held on Saturday, January 19, 2013 at the Oak Tree Room, Coco's Restaurant at Colorado and Michillinda, Arcadia. The Mineralogical Society of Southern California and the Los Angeles County Natural History Museum Gem and Mineral Council held their annual joint Banquet and Meeting at which MSSC officers and Board Members were installed. The social hour and silent auction began at 5:30pm.

At 6:30pm President Ann Meister brought the meeting to order. After a warm welcome, the following business was conducted:

**Approval of Minutes**, as published in the Bulletin, for the MSSC meeting of December 14, 2012: a motion was made (Gene Reynolds), seconded (Fred Elsnau) and carried by the membership to approve the minutes;

**President's Report** by Ann Meister, as published in the January 2013 Bulletin: Our greatest accomplishment was an increase in membership. Using the new rideshare listings in the bulletins, Ann's hope is that more members will attend meetings;

**Announcements:**

- Pacific Micro-mount Conference will be held February 1 & 2. Please contact Bob Housley for more information;
- Dues are now due;
- Linda Elsnau is the new Bulletin editor

~~ Break for dinner ~~

Order was restored after another wonderful buffet dinner. Our compliments to the chef! The Silent Auction was completed.

President Ann Meister administered the oath of



Listening to Ann



One of the Silent Auction Tables

office for the installation of new officers for 2013:

- President Ann Meister
- Vice President George Rossman
- Secretary Angie Guzman
- Treasurer Jim Kusley (assisted by Ahni Dodge and Laura Davis)
- CFMS Director Jo Anna Ritchey
- Directors Geoffrey Caplette
- Leslie Ogg
- Bob Housley
- Pat Caplette
- Bruce Carter
- Pat Stevens



Taking the oath of office

**Announcements:**

- Bruce Carter, Program Chair, would like help and suggestions regarding future meetings speakers (i.e., personal field experiences, dealer or collector, academic people, travel related to minerals). Post cards were passed out to write suggestions and mail back to Bruce.
- Tony Kampf (Natural History Museum) encouraged attendees to join the Gem and Mineral Council.
- Mary (Gem & Mineral Council) announced that there will be a reception at the Natural History Museum on 2/1/13 – diamonds will be displayed and wine and cheese will be served.

**Speaker**

Bruce Carter introduced our speaker, Rick Kennedy. Rick is founder of Earth's Treasurers, specializing in fine minerals and gemstones, particularly benitoite. Rick also does specimen preparation and evaluation. He met up with Dave Schmidt of California Blue Mine which is located near Yucca Valley, CA.

Dave spotted something interesting on a piece of land he was staying at, climbed up to investigate and found the beryl, aquamarine. He called Rick who went, examined and checked some of the matrix materials to find the aquamarine. Rick explains the weather plays an important part in this scenario...hot in summer and cold in winter with rain in between. Looking through pocket mud and doing some hand digging yielded crystals such as topaz, quartz and fluorite. Dave, with Rick's help, worked the area, claimed adjacent property and has improved it (he made a road!). When it became apparent that hand digging wasn't enough, Rick called in heavier machinery, which made a huge difference.

California Blue Mine never produced large amounts of the minerals but the quality and size of the crystals is very good. Rick is a fun presenter and brought wonderful samples to see.

Our thanks to Rick Kennedy for a great presentation.

No new business.

Meeting adjourned at 8:55 pm

Submitted by: Angie Guzman, Secretary



Silent Auction Offering  
Barite and Quartz, China

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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 [mssbulletin@earthlink.net](mailto:mssbulletin@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	714-524-3577

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## How I Got Interested In Minerals. By Linda Elsnau

**My Introduction Mineral Collecting** I moved to California from Minnesota in the late 60s. Coming from the Red River Valley, which is the center of a mud covered glacial lake bottom, I had no hint that the hobby of mineral collecting existed. We had to drive 30 miles east to the ancient moraine just to see rocks in their natural surroundings! The only things I knew that came from Minnesota was Iron Ore and Taconite!

Soon after arriving in the LA area, I met Fred. On one of our first dates, we went to a CFMS Show in (I think) Anaheim, CA. I was overwhelmed and delighted with all of the mineral beauty I saw! One of the dealers had a diamond specimen that was crystal cluster the size of a golf ball. The thing was basically a grey, greasy looking golf ball sized lump priced at \$10,000. I was fascinated and I'll probably never forget the experience of holding it in the palm of my hand. There were beautiful examples of so many different unpronounceable minerals all I connected with was that most of them ended in "ite".

I have since acquired a whole vocabulary of words ending in "ite" as well as terms like habit, crystal, pseudomorph, twinning, isometric and so many more. During our years together, Fred has patiently taught me so much about minerals and the hobby of collecting them. I have enjoyed learning about and appreciating the beauty of minerals. and I really identify with the statement "with knowledge comes appreciation" when it comes to minerals.

While I have no formal training, I've endeavored to learn more about crystallography to better understand what I'm looking at. As Fred often tells me, I may not have a lot of formal training about minerals, but I sure can spot what wrong or different when looking at a specimen. I often spot the flaw or odd crystal face before he does.

Quartz and Calcite are, I think, my favorite minerals. Quartz because I enjoy studying the form and the many types of inclusions. Calcite is a favorite because it takes so many crystal forms. Silly as it sounds, my favorite mineral name is Molybdenite..just for the sound of it! I also really enjoy mineral specimens that look like something else, a flower, an animal or whatever.

I must admit, I will most likely never be a really "sophisticated" collector. Other than knowing that a mineral is a copper mineral or a silicate, for example, I'm really not interested in the chemical formula. To a certain extent, I also don't really care where a mineral is from. If I like it...I like it, no matter where it's from. or what it is. I'm also not usually attracted to minerals that aren't pretty, which means that I'm not overly attracted to most pseudomorphs or fossils, unless they sparkle!. It seems that no matter how much I learn about minerals, I'm still most attracted to mineral specimens that are beautiful. What can I say-- I'm a girl --- I like "glitz"!

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## **Sneak preview for the March Program:**

Our March program is on the Mines of Joshua Tree National Park by Dee Trent. As an aside, I am posting the following information about classes being offered at the Joshua Tree National Park in Feb and March

These are outdoor field classes held in the national park. Fees are \$135/person with a \$10 discount if you are a member of the JTNPA/PINE.

### **Rocks and Minerals of the Joshua Tree National Park**

#### **February 22-24, 2013**

Learn the geologic story of tectonic plates, magma, and time that formed the building blocks of Joshua Tree National Park. Pellenburg will explain the critical principles that shaped the rocks and minerals of this area into the blonde granite and pre-Cambrian gneiss that are iconic of the Mojave and Colorado Deserts. During this combined three-day lecture and field class, participants will focus on identification of minerals and the three basic rock types: igneous, metamorphic, and sedimentary, by reviewing physical properties such as transparency, luster, hardness, cleavage, fracture, specific gravity, and crystal form that define the rocks and minerals within these groups in the classroom. The class will then apply their knowledge in the field by exploring numerous examples of the iconic rock types, contact zones, and unique geologic formations like polka dot granite and pink feldspar megacrysts.

For enrollment info, check here

[<http://www.joshuatree.org/desert-institute/field-classes/rocks-and-minerals-of-joshua-tree-national-park/>](http://www.joshuatree.org/desert-institute/field-classes/rocks-and-minerals-of-joshua-tree-national-park/);

### **Geology of the Mojave National Preserve**

#### **March 8-10, 2013**

From the swirling sands of Kelso Dunes to Hole in the Wall's violent volcanic remnants, Mojave National Preserve serves as a showcase of ancient and modern geologic processes. Rocks here reveal the stories of prehistoric landscapes as old as 2.7 billion years – over half the age of the Earth! Explore and learn about the geology of the vast Mojave National Preserve with Ted Reeves, on this two night camping excursion with a base camp at the Hole-In-The-Wall campground. You will need to provide your own camping equipment, food and drinks as there are few facilities in this national preserve. Weather could be cold. This class will take you to spectacular locations within the Mojave National Preserve. Don't miss out on this opportunity!

For enrollment info, check here

[<http://www.joshuatree.org/desert-institute/field-classes/geology-of-the-mojave-national-preserve/>](http://www.joshuatree.org/desert-institute/field-classes/geology-of-the-mojave-national-preserve/);

### **Volcanoes in Joshua Tree National Park**

#### **March 16, 2013**

Investigate the natural architecture and origin of Joshua Tree National Park's fantastic volcanic geology with Richard Hazlett, co-author of Joshua Tree National Park Geology. Starting in the classroom, participants will be introduced to basic geologic principles and then Hazlett will focus on one of the park's spectacular features – Malapai Hill. Possibly the throat of an ancient volcano, Malapai Hill is a basalt tower that stands 400 feet tall in the middle of Pleasant Valley. It contains magnificent columnar jointed basalt formed by magma that rose 30 miles through the earth before solidifying at the top. Hazlett will discuss this ancient volcano and how its formation provides a window into the Earth's mantle. The class will then travel to Malapai Hill for a field session to experience this iconic example in person. Participants will learn about differential erosion on the way to the top of Malapai Hill. For those new to geology or experienced geologists, Hazlett will make learning about this complex and unique landscape comprehensible and fun.

For enrollment info, check here

[<http://www.joshuatree.org/desert-institute/field-classes/volcanoes-in-joshua-tree-national-park/>](http://www.joshuatree.org/desert-institute/field-classes/volcanoes-in-joshua-tree-national-park/);

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## February Featured Mineral

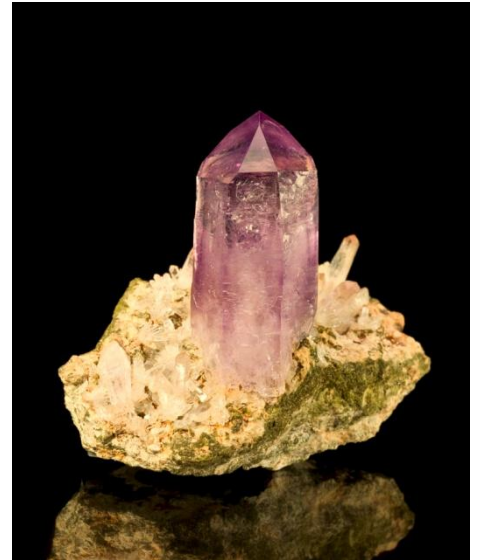


*irocks.com photo*

**Brandberg Area, Erongo Region,  
Namibia** 5.4 x 4.9 x 1.5 cm.

### Amethyst a Variety of Quartz

**Formula:** SiO<sub>2</sub>  
**Color:** Purple  
**Luster:** Vitreous  
**Crystal System:** Trigonal  
**Hardness:** 7  
**Name:** From Greek  
"a-methystos", meaning not  
drunk. (The ancient Greeks  
thought that they would not get  
drunk if they consumed wine  
from a cup made of Amethyst.)



*irocks.com photo*

**Piedra Parada (Piedras Parado), Mun.  
de Tatatila, Veracruz, Mexico**  
*The crystal is 5.5 x 2.3 x 2.2 cm  
Overall specimen: 7.3 x 6.6 x 5.0 cm.*

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## CALIFORNIA NATIVE ROCK PARK NEEDS YOUR HELP

*The following request for help was posted to the LA Rocks Yahoo group 1/3/13 and is included here as a public announcement:*

### **Dear Friends of Rocks and Minerals:**

Some of you may know me, I have done many a field trip with you and used to be VP and Field Trip Chair for Culver City Rock and Mineral Club. For the last year and a half I have been working on creating California Native Rock Park. It is a non-profit 501(c)3 company, formed for the purpose of creating a one-of-a-kind geological park for the purpose of education and recreation. It is progressing thanks to CFMS and other organizations and educators. It is making great strides, daily. Currently we are in discussions for University affiliation. California Native Rock Park is need of financial support to make this a reality. Any small tax-deductible donation is greatly appreciated. Please check out the website at: <http://www.canativerockpark.com>

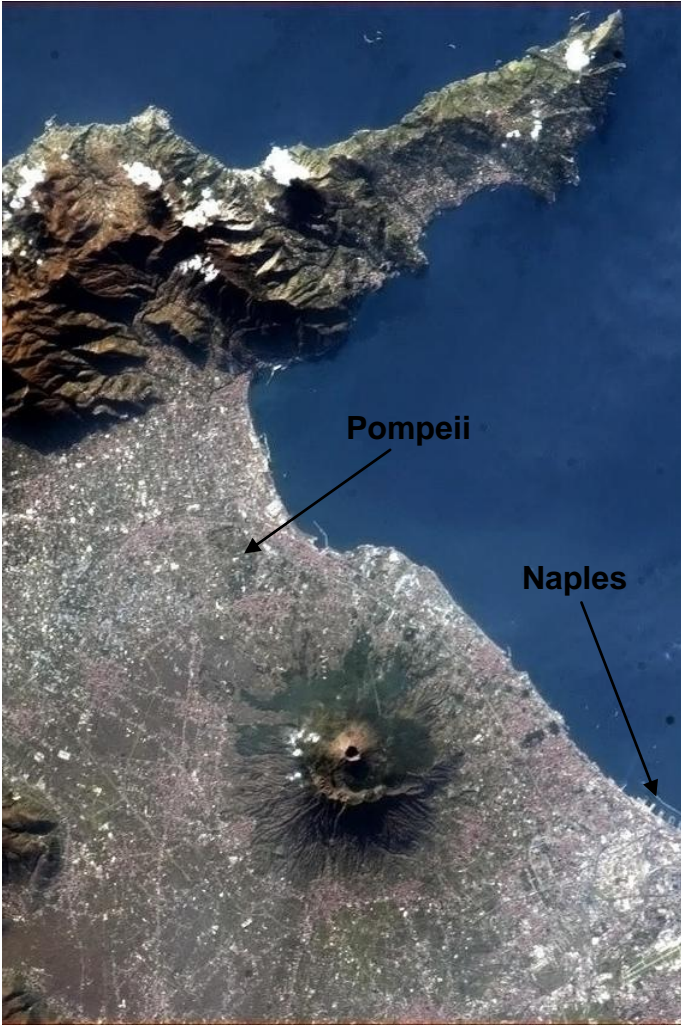
For any other information please respond to [canativerockpark@gmail.com](mailto:canativerockpark@gmail.com) or through the website above.

Thank you.

Sincerely,  
Claudia Sherman, Director, California Native Rock Park

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**The Most Dangerous Volcano on Earth!** by Linda Elsnau



*image credit: NASA*

This was the view out the International Space Station’s cupola on Jan. 1, 2013, around 09:37 UTC, looking nearly straight down the gullet of Italy’s Mt. Vesuvius.

Mount Vesuvius, a volcano near the Bay of Naples in Italy, is hundreds of thousands of years old and has erupted more than 50 times. Its most famous eruption took place in the year 79 A.D., when the volcano buried the ancient Roman city of Pompeii under a thick carpet of volcanic ash. The pyroclastic flow—searing hot ash blasting outward from the stratovolcano’s maw, completely burying the area. The dust “poured across the land” like a flood, one witness wrote, and shrouded the city in “a darkness...like the black of closed and unlighted rooms.” Two thousand people died, and the city was abandoned for almost as many years.

When a group of explorers rediscovered the site in 1748, they were surprised to find that--underneath a thick layer of dust and debris--Pompeii was mostly intact. The buildings, artifacts and skeletons left behind in the buried city have taught us a great deal about everyday life in the ancient world.

This volcano has erupted many times since that famous catastrophe, up to and into the 20<sup>th</sup> century. The last major eruption was March 18, 1944.

Take another look at the picture. Mt. Vesuvius is completely surrounded by people! The cone diameter is about 9 miles across at the base and is only a few kilometers from the heart of Naples and surrounding

communities with a combined population of roughly 3Million! See how close Pompeii is? This is the reason Mt. Vesuvius is considered by volcanologists to be the world’s most dangerous volcano...If/when it has a major eruption, it can kill millions!

This beautiful bay may look like paradise and a wonderful place to live, but I’m not sure I agree. Let us hope science is successful in providing adequate warnings of future eruptions and hopefully can save lives when it is most needed.

(Did you know..mindat.com lists 38 Type Locality minerals from the MT Vesuvius Complex location! Check it out.)



**Leucite**

Mt Vesuvius, Somma-Vesuvius Complex, Naples Province, Campania, Italy 2.4 x 2.2 x 2.2 cm

*Photos courtesy of icrocks.com*



**Vesuvianite**

Mt Vesuvius, Somma-Vesuvius Complex, Naples Province, Campania, Italy 7.5 x 5.8 x 3.1 cm.



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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.)

**MAY 17-19, 2013**

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*Tourmaline  
Jeff Scovil Photo©*

<b>MSSC Advertisement Policy:</b>	
Mineral-related ads are allowable in the MSSC bulletin. Below is the price per month	
Business Card	\$5.00
1/3 page	\$10.00
1/2 page	\$20.00
Full Page	\$35.00
In addition, any advertiser who purchases 12 months of space in advance will receive a discount of 12 months for the price of 10 months. The copy for the ads should be mailed to the editor at <a href="mailto:bulletin@mineralsocal.org">bulletin@mineralsocal.org</a> and the payment should be sent to the <b>MSSC Treasurer t 1855 Idlewood Road, Glendale, CA 91202</b>	

### Calendar of Events:

**February 15 – 24: INDIO, CA**  
**San Gorgonio Mineral & Gem Society**  
 Riverside Co. Fair & National Date Festival  
 46-530 Arabia Street  
 Hours: 10 – 10 Daily  
 Bert Grisham (951) 849-1674  
[bert67@verizon.net](mailto:bert67@verizon.net)

**February 14-17: Tucson, AZ:**  
**59<sup>th</sup> Annual Tucson Gem & Mineral Show** Tucson Convention Center, Tucson, AZ  
 260 South Church Avenue  
 Tucson, Arizona 85701  
 Thursday: 10:00 a.m. - 6:00 p.m.  
 Friday: 10:00 a.m. - 6:00 p.m.  
 Saturday: 10:00 a.m. - 6:00 p.m.  
 Sunday: 10:00 a.m. - 5:00 p.m.

**March 3 & 4: ARCADIA, CA**  
**Monrovia Rockhounds**  
 The Arboretum & Botanic Gardens  
 (Ayers Hall)  
 301 South Baldwin Avenue  
 Hours: 9 – 4:30 Daily  
 Jo Anna Ritchey (626) 359-1624  
[joannaritchey@gmail.com](mailto:joannaritchey@gmail.com)  
[www.moroks.com](http://www.moroks.com)

**March 2 & 3: VENTURA, CA**  
**Ventura Gem & Mineral Society**  
 Ventura County Fairgrounds  
 10 West Harbor Blvd.  
 Hours: Sat. 10 – 5; Sun. 10 – 4  
 Krishna Juarez (805) 323-6725  
[Abaris2007@gmail.com](mailto:Abaris2007@gmail.com)  
[www.vgms.org](http://www.vgms.org)

**March 8, 9 & 10: VICTORVILLE, CA**  
**Victor Valley Gem & Mineral Club**  
 Stoddard Wells Road-12 miles East of I-15  
 (graded dirt last 7 miles with Tailgate signs)  
 Hours: 9am-5pm Daily  
 (760) 243-2330  
 Club phone available Wed. & Thurs. 1pm-9pm  
[www.wgmc.org](http://www.wgmc.org) Map on website

**March 9 & 10: SAN MARINO**  
**Pasadena Lapidary Society**  
 San Marino Masonic Center  
 3130 Huntington Drive  
 Hours: Sat. 10-6; Sun. 10-5  
 Marcia Goetz (626) 260-7239  
[joenmar1@verizon.net](mailto:joenmar1@verizon.net)

**March 23 & 24: TORRANCE, CA**  
**South Bay Lapidary & Mineral Society**  
 Ken Miller Recreation Center  
 3341 Torrance Boulevard  
 Hours: Sat. 10-5; Sun. 10-4  
 Bill Sudduth (310) 787-7851  
 Sudduth3@msn.com  
[www.palosverdes.com/sblap](http://www.palosverdes.com/sblap)

**March 23 & 24: TORRANCE, CA**  
**South Bay Lapidary & Mineral Society**  
 Ken Miller Recreation Center  
 3341 Torrance Boulevard  
 Hours: Sat. 10-5; Sun. 10-4  
 Bill Sudduth (310) 787-7851  
 Sudduth3@msn.com  
[www.palosverdes.com/sblap](http://www.palosverdes.com/sblap)

**May 3, 4 & 5: BISHOP, CA**  
**Lone Pine Gem & Mineral Society**  
 Bishop Fairgrounds  
 Sierra & Fair Streets  
 Fri. 6pm-9pm; Sat. 9:30-5; Sun. 9:30-3  
 Steve Mobley (760) 793-6025  
[steve@littlebearsteve.com](mailto:steve@littlebearsteve.com)

**May 4 & 5: ANAHEIM, CA**  
**Searchers Gem & Mineral Society**  
 Brookhurst Community Center  
 2271 W. Crescent Avenue  
 Hours: Sat. 10-5; Sun. 10-4:30  
 John Walker (503) 703-9465  
[john\\_walker3@juno.com](mailto:john_walker3@juno.com)  
[searchersrocks.org](http://searchersrocks.org)

**June 8 & 9: GLENDORA, CA**  
**Glendora Gem & Mineral Society**  
 Goddard Middle School  
 859 E. Sierra Madre  
 Hours: Sat. 10-5; Sun. 10-4  
 Bonnie Bidwell (626) 963-4638  
[Ybidwell2@aol.com](mailto:Ybidwell2@aol.com)

**July 13 & 14: CULVER CITY, CA**  
**Culver City Rock & Mineral Club**  
 Culver City Veterans Memorial Auditorium  
 4117 Overland Avenue  
 Hours: Sat. 10-6; Sun. 10-5  
 Rick Shaffer (310) 391-8429  
[info@culvercityrocks.org](mailto:info@culvercityrocks.org)  
[www.culvercityrocks.org](http://www.culvercityrocks.org)

**May 31-June 2: VENTURA, CA**  
**CFMS SHOW & CONVENTION**  
 Conejo - Oxnard - Ventura Gem & Mineral Societies  
 Ventura County Fairgrounds  
 10 W. Harbor Boulevard  
 Hours: Fri. & Sat. 10-5; Sun. 10-4  
 Rob Sankovich (805) 494-7734  
[rmsorca@adelphia.net](mailto:rmsorca@adelphia.net)

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**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	
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2013-	Geoffrey Caplette	
2013-	Leslie Ogg	
2013-	Pat Caplette	
2013-	Bruce Carter	
2013	Pat Stevens	
2013	Bob Housley	

<b>COMMITTEE CHAIRS</b>		
Publicity	Linda Elsna	<i>bulletin@mineralsocal.org</i>
Membership	Jim Kusely	<i>treasurer@mineralsocal.org</i>
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Bulletin Editor	Linda Elsna	<i>bulletin@mineralsocal.org</i>
Micro Mount Conference Chairman	Bob Housley	
* 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:

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