



Bulletin of the Mineralogical Society of Southern California

Volume 89 Number 12 - December, 2016

The 940th meeting of the Mineralogical Society of Southern California

With Knowledge Comes Appreciation

December 9th, 2016 at 7:30 P.M.

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

Program : A Tourist's Guide To Finding Opal In Coober Pedy Australia

Presented by Leslie Neff & Larry Hoskinson

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

About the Program: A Tourist's Guide To Finding Opal In Coober Pedy Australia

Presented by Leslie Neff & Larry Hoskinson

Larry has been interested in rocks since he was a kid, his Dad used to take him to the desert. After we got married we fell in love with Australia and decided to take a sabbatical and spent one full year there. We started finding rocks and then joined a gem club and went on field trips. It was all new to me and fascinating. After the year we came home and joined the So. Bay Lapidary and Mineral Society in 1989. We have been members since and have held many offices, including show chair people for 14 years. We have had many teachers at the Club. One of the long-term members was a geology professor at El Camino College. We spent lots of time with him learning as much as we could. Larry learned how to grind and polish opal during our last 12 trips to Australia and refined his technique here at home. We both have dabbled in making jewelry, beading, and teaching others what we know. When Dr. Ford passed, the club started a scholarship in his name that Larry chairs. (he runs the fundraiser part and coordinates with the College).

We have the students come and give a presentation to our club each year on what they are working on.

We have been to Australia 12 times for a total of almost 4 years. Our program covers various opal mining techniques: useful travel information on how to get from Sydney to Coober Pedy and around there once you arrive. We finish with slides of rough and finished opal. Larry will also give a demonstration on how to find opal using a black light. There are also samples of rough and finished opal, books and maps. Questions are encouraged.

We give these talks about 3-4 times a year and never tire of telling people about Australia and our love of opal.

Special Note: PCC is hosting a special Scholarship Ceremony and Reception on Dec. 9th from 6:00 to 8:00 PM so parking may be limited. You may want to arrive early for the meeting or make alternative parking plans

From the Editor:

Wow, this is a full Bulletin this month! We have the annual banquet information, the Micro-Mount Conference program and Registration form, both the General and Board meeting minutes and more for your enjoyment. This leaves no room for Monthly Mineral pictures or other fun stuff. I promise to bring back the fun next month.

I hope to see many of you at the Banquet in January. The food is excellent and the program planned appears to be very interesting as well. Do plan on joining us. On the other hand, if you've never been to a micro conference before, I urge you to consider attending, at least on Saturday. Even if you don't have a scope, there are usually plenty of friendly people that will let you borrow their scope for a few minutes to see the world of micro minerals. It is a whole new world of minerals to be explored. Our Program Chair, Rudy Lopez, had never been to a micro mineral event and is now a full convert to the fascination and beauty of these little mineral beauties! The programs presented are excellent and the people are always friendly and willing to share their knowledge. Give it a try. *(If anyone wants to attend, and doesn't have a scope, let me know, we may be able to bring an extra to share on Saturday)..*

Also, **Dues are Due!** If your dues aren't paid by Feb. 1st you won't be in the roster and if not paid by March 1st, your membership will be ended and the bulletins will stop. Be safe, pay your dues NOW! Linda Elsnau

MEANDERINGS FROM THE PRESIDENT by Ann Meister

I wish everyone a wonderful holiday season! At the moment, I am plagued with a nasty cold that my work associates brought to me from China or Burma. I thought I was doing pretty well at the Board meeting on Sunday, but it's hanging in with a cough and drippy nose. I hope no one at the Board meeting caught this from me. If so, I'm really sorry. I didn't mean to share!

Christmas gift giving is fraught with apprehension. It used to be easier when my friends collected things – in addition to those who collected minerals, there were those who collected owls, pigs, frogs, scarves, books, and other objects. Now, many say they have too much! and are trying to clear the clutter. So with the on-line world and cameras in our phones, we can have “virtual collections” – collections of links to things on the internet that we particularly like, or pictures of things we’ve seen. It’s not like actually owning something, but it’s having it to admire or learn about or something. It’s kind of a neat idea to have a virtual mineral collection of all the specimens you covet that are owned by museums or individuals or that you’ve seen for sale, but could never afford. Maybe it’s just pictures on your computer but you can enjoy them whenever you wish. Maybe that is better than clutter and the new, cost-effective way of building a collection for the minimalist.

By the way, if anyone has received any strange emails purportedly from me, please let me know. My Hotmail account was apparently hacked again. I’ve made changes, but who knows what may be floating in the hyper-space ether. I hate when that happens...

REMINDER: The annual **Open House at Jewel Tunnel Imports** is scheduled for December 3, 2016 from 10 AM to 4 PM. Bring your friends and family. JTI asked me to give them an approximate count of attendees, so **PLEASE send me an email by November 30** if you are going to be there and how many are in your party. Thanks.

OTHER THINGS TO DO...

The **Watson Lecture** at Caltech’s Beckman Auditorium is on December 7 at 8 PM. The title is “Planet Nine from Outer Space,” by Konstantin Batygin. It sounds like a science fiction story but it’s about a possible Neptune-like planet out there in the Kuiper belt.

The **Von Kármán Lecture** on December 15 and 16 is titled “Spinning Black Holes Exploding Stars, Hyper luminous Pulsars: Recent Results from the NuSTAR Satellite” Thursday is at the Von Kármán Auditorium at JPL and Friday is at the Vosloh Forum at PCC. Start time is 7 PM.

The **UCLA Meteorite Gallery** has scheduled a November-December lecture on Sunday, December 4 at 2:30 PM. The speaker is Professor Ben Zuckerman. The title of his talk is “The Search for Extraterrestrial Intelligence – And Why It Will Fail.” The Meteorite Gallery (Geology room 3697) is open with a docent present every Sunday from 1 till 4. The lecture is in Slichter Hall 3853 near the Meteorite Gallery.

The Viewing Stones Show, **The Huntington Gardens and Library**, December 26-31, 10-5. The California Aiseki Kai presents its 27th annual show featuring outstanding examples of *suiseki* and other viewing stones. Practiced in Asia for centuries and gaining popularity around the world, the art of viewing stones invites contemplation of the subtle, often fanciful forms that have been shaped by nature, the elements, and time. General admission. Brody Botanical Center

**DON'T FORGET SILENT AUCTION DONATIONS
FOR THE BANQUET ON JANUARY 14, 2017**

MINUTES of the November 11, 2015 Meeting

The 939th Membership Meeting of the Mineralogical Society of Southern California (MSSC) was held on Friday, November 11, 2016 at Pasadena City College, Geology Department. The meeting was called to order at 7:31 p.m. by President Ann Meister.

Welcome:

President Ann Meister welcomed everyone to the 939th membership meeting of the society and observed that each membership meeting begins by mentioning the number of the meeting as

part of our tradition. Ann asked guests to introduce themselves. Adalene Harper introduced herself as the guest of member Renee Kraus.

Regular Business:

Minutes: Ann, after asking for any corrections or additions to the Minutes of last month's meeting as published in the November 2016 *Bulletin*, seeing not, she called for a motion from the floor to approve them. The motion was made by Laura Davis, seconded by Rudy Lopez and voted on by the membership. The vote tally was unanimous to approve the Membership Meeting Minutes as posted in the November 2016 *Bulletin*.

President's Messages:

- Editor Linda Elsnau's deadline for items to be published in the next *Bulletin* is November 22nd. Reminder: deadline for *Bulletin* items will be each 22nd of the month;
- Due are due 12/31/16, please see Cheryl Lopez, Membership Chair;
- MSSC Board meeting will be Sunday, November 20, 2016 at the home of Bruce Carter. The meeting will begin at 1:00pm;
- Jewel Tunnel Imports (JTI) Open House will be 12/3/16 from 10 am to 4pm. If you are planning to attend, please RSVP Ann Meister;
- The Banquet will be January 14, 2017 at Coco's. The dinner is \$39 each. We will have our annual fund raiser Silent Auction;
- Pacific Micro Mount conference will be January 27 and 28, 2017 at the San Bernardino County Museum;
- **ELECTION OF OFFICERS:**
Ann asked if there were any other nominations for this year's election of officers and Board of Directors. There were none. Ann asked for a Motion to Close the Nominations. The motion was made by Ursula Wilson and seconded by Rudy Lopez. The vote was unanimous and passed.

Ann asked for a motion to elect the following slate of officers by acclamation:

<u>Officers</u>	<u>Board of Directors*</u>
President – Ann Meister	#1 Bruce Carter
Vice President – George Rossman	#2 Bob Housley
Treasurer - Jim Kusely	#3 Leslie Ogg
Secretary – Angie Guzman	
CFMS Director – JoAnna Ritchey	*2 yr term 2017-2018

The Motion to elect by acclamation, as listed above, was made by Laura Davis and seconded by Angie Guzman. There was no discussion and the vote was called. The majority voted to motion to elect by acclamation. There was one opposed vote cast. Congratulations to all. Thank you for your willingness to serve another term.

Announcements:

- The West Coast Gem and Mineral show is on now through this weekend;
- The Von Karman Lecture Series will be Thursday, November 17, 2016 at JPL and Friday, November 18, 2016 at PCC. The topic is "*James Webb Space Telescope: Successor to Hubble*" by Dr. Michael Ressler ;

- The Watson lecture will be December 7, 2016 at Beckman auditorium, Cal Tech on “*Planet 9 from Outer Space*”;
- UCLA Meteorite talk will be December 4, 2016 presented by Dr. Ben Zuckerman and the topic is “*The Search for Extraterrestrial Intelligence (SETI) and Why It Will Fail*”;
- The Urban Fest is coming up at the L.A. County Museum.

Show & Tell:

- BJ Ledyard brought Roadside Geology of Southern California by Arthur Gibbs Sylvester and Elizabeth O Black Gans. The authors presented at the Natural History Museum in Los Angeles last Thursday.
- Suiseki Exhibit will again be at the Huntington December 26th through the 30th.
- Marek Chorazewicz spoke of the Mojave symposium he attended and brought specimens to share later in the refreshment room after the meeting.
- BJ Ledyard mentioned a new book about Catalina Island and will give a book report in the Bulletin.
- Renee Kraus will give a presentation early next year of her experience hiking Death Valley’s crater.
- Discussion about the television program about the mineral belt in Pala valley, Mineral Explorers. Mineral Explorers is on-line.
- The Amoeba People’s ‘The Geologists Are Coming’ and ‘Continental Drift’ is fun. Check it out on YouTube.com.

Program:

Program Chair Rudy Lopez. The Natural History Museum will have a very special gem exhibit on December 28th. It will feature their diamond jewelry. If there is anyone who would like to give a class on jewelry making let Rudy know. All materials will be supplied for wire wrap and other skills. Also, we are officially participants in The Urban Festival coming up early 2017. Please let him know if you are able to help with the kid giveaway bags or volunteer at the event.

Please put your seats upright, fasten your seat belts because Chuck Houser is going to take us on a flight...

Aerial Geology or the Effective Use of the Barter System by Chuck Houser starts with an introduction of the Three Tango Papa, 3TP, Piper aircraft Chuck flies. So, from San Diego County up through the interior of the Mojave, onward over US 395 up to Bishop and Mammoth and into the Sierra Nevada in the Owens Valley, Chuck gives us a geologic eye candy view. He starts by taking us over the Black Mountain Mine (arsenic), Barona Valley, above the rich Pala mining district where the familiar Pala Chief, Stewart, Elizabeth R/Oceanview, Tourmaline Queen and others are home. He told the unbelievable story about the miner using a drill and his drill bit got stuck in the rock. He abandoned his mining but someone came by at a later time and started drilling a kunzite vein from the other side. Wouldn’t you know it, they ran right into that drill bit!

California is earthquake country and Chuck showed photos of the right lateral strike/slip fault, the San Andreas. He showed photos of the capture drainage, shutter ridge and other features of the San Andreas and in another photo, ‘Mormon Rocks’ which are the formations of sandstone flatiron in the famous fault zone. And, in the high desert, Mojave, another fault shown is the

Old Woman Spring fault which interacts with the Lenwood fault, which in 1992, interacted with the Landers fault and we all know what happened there. Chuck's college thesis was on the Old Woman Spring fault while a friend of his did his on the Lenwood fault.

He showed us Kramer Junction and the Shuttle, a 50's diner at the junction of US Route 395 and State Road 58. He told a side story of when he and a friend had driven up for a fishing trip and the check engine light came on and how they ultimately had to hike to a garage 9 miles back!

Continuing with his presentation, Chuck takes us over the Boron open pit, up by Edwards Air Force base and over the Randsberg Mine area. He pointed out the 'flying wedge': the San Andreas Fault (right lateral), the Garlock Fault (left lateral) and how the piece of land between is being squished to the east, creating the wedge.

He took us up over Owens Dry Lake, which is damp, on to Mount Whitney and then he showed us the Owens Valley Fault. Chuck had photos of the Eastern Sierra with alluvia, cinder cones, granitic rock, evidence of ancient glacier activity above Big Pine and the Owens River Flood Plain. These photos are amazing and his stories of the Bishop tuff, Lone Valley caldera, lahar mud flows and other great geologic structures and features up through Owens Valley are fascinating.

Chuck told a couple of fish tales along the way but he gave us a great sense of his aerial adventure. He's a great story teller and knowledgeable, to boot! Thank you, Chuck!

The best way to hear and see the wonderful presentations is to come to the membership meetings! Come on, join in and get great benefit from MSSC's monthly presentations. The next membership meeting, our 940th, will be Friday, December 9, 2016 at Pasadena City College, Geology Department (Building E) at 7:30p.m. . The program will be: *A Tourists Guide to Finding Opal in Cooper Pedy Australia* by Leslie Neff & Larry Hoskinson. See you then!

Drawing: Door prize was won by Jean Mullens. Congrats!

Adjournment: The meeting was adjourned at 8:55 p.m. Refreshments were served after the meeting. Thanks to Laura Davis for the hospitality.

Respectfully submitted, Angie Guzman, MSSC Secretary

Apologies in advance for any misspellings or omissions in the Minutes/aag

List of Upcoming MSSC Events : Mark your Calender!

Event	Date	Comments / Scheduled Program (if known)
Meeting Dates:	February, 2017	Alan Rubin - Solar System
	March, 2017	Denise Nelson - Precious Heirlooms
	April, 2017	Walton Wright - Identifying Petrified Wood
	May, 2017	Renee Kraus - Mohave Desert
Board Meeting	March 5, 2017	Board Meeting at Bruce Carter's house
Annual Banquet	January 14, 2017	Aaron Celestain - LA-NHM: Minerals with the unique ability to selective remove toxic metals
Pacific Micro - Mount Conf.	January 27 & 28, 2017	See you there!

Note: Dates and programs shown above are subject to change. Check your bulletins to confirm final information each month.

BOARD MEETING MINUTES of November 20, 2016

The meeting was held at the Carter residence.

1. **Call to Order:** Board President Ann Meister called the meeting to order at 1:10p.m. Welcome to the Board of Director's meeting. Roll Call of MSSC Board Officers, Directors and Committee Chairs: Ann Meister, George Rossman, Jim Kusely, Angie Guzman, Bruce Carter, Pat Caplette, Bob Housley, Leslie Ogg, Pat Stevens were present. The following were excused or not present: Geoffrey Caplette, Jo Anna Ritchey, Linda Elsnau, Rudy Lopez, Cheryl Lopez, and Al Wilkins. There were no guests in attendance. Thanks to Bruce and Kathy Carter for again hosting the Board meeting.

2. Minutes:

There was a **motion** from the floor by Jim Kusely and seconded by Bruce Carter **to approve the Board Meeting Minutes of September 18, 2016 as published in the October 2016 Bulletin**. After asking for additions or corrections and seeing none, the motion was voted on and **passed unanimously**.

3. Old Business & Committee Reports:

3.1 President's Report and associated questions (Ann Meister):

- a. Ann mentioned importance of recruitment of other members to run for MSSC office positions.

3.2 Treasurer's Report and associated questions (Jim Kusely):

- a. Treasurer Jim Kusely is reported that funds are down from this time last year but that dues are expected to increase our balances. Jim gave a handout of the Merrill Lynch Report summarizing MSSC's portfolio;
- b. Jim mentioned the official phone number posting with CFMS and said their website is still not up to date. Ann Meister will write a letter to Pat LaRue regarding this matter;
- c. Jim said he would like a notification in the Bulletin regarding the Banquet.

3.3 Federation Director Report (JoAnna Ritchey) - N/A

3.4 Membership Chair Report (Cheryl Lopez) – N/A

Discussion: JTI Open House on December 3, 2016. Ann reported that she has about 24 RSVPs and Leslie indicated that she will have 4 or 5 more people.

3.5 Bulletin Editor Report (Linda Elsnau) – N/A [Deadline to submit is 22nd of each month.]

3.6 Webmaster Report (Leslie Ogg):

- a. Leslie handed out her report showing Facebook likes and Website visits. The report shows an increase in visits.

3.7 Programs (Rudy Lopez) – Reported by Pat Stevens:

- a. Pat brought in the laptop that Marek Chorazewicz gave to Al Wilkens. Ann will get it to Rudy Lopez to check out and determine if it can be used for our meetings and presentations.
- b. Discussion regarding on-line meetings, copyright and legal issues. Pat explained that the on-line meetings may be a way to prevent decline in membership and asked how we would otherwise get new members, perhaps live webcasts? What rules would our speakers have to follow? George Rossman said he would check the legal aspects with his contacts. Pat said he could check on the "how to" of doing a webcast. Other items/venues brought up included using Skype or Facebook and checking with other clubs through CFMS. Leslie Ogg said she would check to see if we have capability to send a message to anyone/everyone who has a "like" or "visit" to our sites. Lastly, it was wondered if PCC has the capability to broadcast and, do they have the speed and broadband width of at least 1 giga to handle a broadcast? Bruce Carter will check with the school.

3.8 Pacific Micromount Conference (Bob Housley):

- a. Announcement of speakers, per e-mail from Al Wilkens, are as follows: Friday night is Bob Walstron (New Mineral Discoveries from the Victorio Mountains skarn, Luna County, New Mexico). Saturday speakers will be Paul Adams (Fumarole-related minerals from the Salton Sea area, Imperial County, CA) and Tony Kampf (TBA);

- b. Re that Al Wilkens e-mail, discussion resulted in the following decisions: (1) Do away with the Friday night pot luck, (2) the PMC announcement/application will encourage attendees to bring snacks to share (in lieu of the pot luck), (3) The Saturday lunch and dinner will cost \$5 each.

----- BREAK ----- Yummy cookies and hot coffee thanks to Kathy Carter.

Continued discussion: PMC meal cost, (4) event room cost not to exceed \$500 for the conference. There is a new person to deal with at the SB County Museum and Ann Meister will speak with Al Wilkens about cost, security and other issues, (5) discussion about Cylindrite specimens for the sales table or silent auction (Ann will check with Linda Elsnau), PMC's silent auction may include books and (6) Bob Housley will submit information sheet to Linda Elsnau for the December *Bulletin*.

3.9 Report by Bruce Carter on home school families to invite to meetings: Bruce provided a listing of California Home School groups in the Pasadena area. He gave an overview of possible criteria for credit for the home schooled students but mentioned he did not know the full extent of how MSSC could present to these students. Discussion followed about guidelines, speakers' bureau and program announcements that may be included in the *Bulletin*. Ann mentioned that she will give Linda Elsnau the list of home schools so she can e-mail them a *Bulletin*, for now. [Preliminarily, Bruce worked up a rough draft of an announcement should we need to use it.] The solution for the Home School issue is to investigate further at some point in time.

George Rossman asked if anyone has sent out the *Bulletin* to all of the geology professors in the (SoCal) area. Ann Meister suggested that the editor could use someone's help compiling that list in order to e-mail the *Bulletin* to help stimulate interest in MSSC.

Side discussions: Age requirement to be a member and/or to attend meetings unaccompanied by a parent (Ann Meister will check the By Laws and Rules); West Coast Gem and Mineral Show attendance and robbery; George Rossman announced that there are now 5,170 known minerals.

4. New Business – N/A

5. Next Meeting

The next MSSC Board Meeting will be Sunday, March 5, 2017 at Bruce Carter's home.

6. Adjournment

Thank you all for coming. We again offer our grateful acknowledgement to the Carters for the use of their home for the MSSC Board Meeting. The meeting adjourned at 3:16 p.m.

Respectfully submitted, Angie Guzman, Secretary

Make your Reservation to attend today!

MSSC Annual Banquet

Saturday, January 14, 2017

The cost of the Banquet is **\$39.00.per person**

Make you reservation with Rudy Lopez (programs@mineralsocal.org).

There is plenty of seating available. If you made a reservation and circumstances change where you or your guests cannot attend, please **notify Rudy Lopez before Wednesday, January 11th, 2017**. Thereafter you will be responsible for paying \$39.00 for each individual reservation regardless of attendance. It would be a shame to miss this event because you delayed making that reservation.

Call or email Rudy Lopez to make your reservation today!

626 993-7989

(programs@mineralsocal.org).

Make Your Check Payable to: MSSC and send it to:

**MSSC Program Chair
1301 Leonard Ave
Pasadena Ca 91107**

If you haven't done so already, plan to pay your dues at the same time.

Dues are officially due 1/1/2017.

(your Membership form was included in the October Bulletin)

Program Topic: Minerals With The Unique Ability To Selectively Remove Toxic Metals From Solutions are an increasing area of technological, environmental, and energy-related interests. However, these nano-porous minerals are exceedingly rare and uneconomic to mine for large scale applications.

Presented by: Aaron Celestian, curator of the Natural History Museum

Social Hour 5:30 pm: Dinner 6:30 pm; Speaker 7:30 pm

**Oak Tree Room (next to Coco's)
1150 West Colorado Boulevard
Arcadia, CA 91007**

Items for the Silent Auction are always needed.

What is gathering dust in your home will be treasured in someone else's home.

The deadline for reservations for the Banquet is Jan 11th! Don't miss out on a great evening because you delayed contacting *Rudy Lopez* for a reservation.

Make your Reservation to attend today!

Natural History Museum: Special Exhibition / Complimentary Programming - Cabbing Demonstrations
By: Rudy Lopez

This winter the NHM will have a special exhibition on display in the Gem and Mineral Hall of the Natural History Museum and there will be three days of complimentary programming, such as workshops or activities, in late December and early January.

There will be a special exhibit on view within the Museum's Gem and Mineral Hall beginning December 15th. It will highlight rare diamond jewelry such as a violet diamond ring, an orchid diamond ring, a rainbow necklace and finally a pink diamond necklace.

This special exhibit will be highlighted by adding special programming for Museum guests on all of the following dates & times are:

Times of demonstrations are 10:00am - 3:00pm each of the 3 days

Wednesday December 28th

Wednesday, January 4th

Saturday, January 7th

Rudy Lopez is going to give demonstrations on cabbing, during this event. So, please feel free to attend this demonstration and special exhibition on display in the Gem and Mineral Hall of the Natural History Museum

If you would like to participate presenting a demonstration, Please contact Rudy Lopez at programs@mineralsocal.org for the Museum's contact information

With Knowledge Comes Appreciation!

**The Mineralogical Society of Southern California
Proudly Presents the 52st Pacific Micromount Conference
January 27 and 28, 2017 at the
San Bernardino County Museum
2024 Orange Tree Lane, Redlands, CA**

Registration Fee is \$20.00 before Conference, 25.00 at door.

FRIDAY, JANUARY 27

3:00-5:30 PM On-site REGISTRATION, greeting friends and microscope time
SALES TABLES open

Departing from tradition there will be NO pot luck dinner this year.

Please bring snacks to share instead.

5:30-7:00 PM Dinner at local restaurants

7:00-8:00 PM Bob Walstrom

"New mineral discoveries from the Victorio Mountains skarn, Luna County NM"

8:00 PM Contributed Talks And Member Photos

SATURDAY, JANUARY 28

8:00-9:00 AM Doors Open, On-site REGISTRATION.

Setting up scopes, filling "GIVE-AWAY" and
SALES TABLES, and greeting friends.

10:00 AM Welcome, Introductions and Special Announcements.

10:15 AM Paul Adams

"Fumarole-related minerals from the Salton Sea, Imperial County CA"

NOON LUNCH. Sandwiches served at Museum.

1:30 PM VERBAL AUCTION, followed by silent auction of member donated materials.

3:15 PM – Tony Kampf

"The path from a field discovery to a new mineral"

6:00 PM BUFFET DINNER Served at Museum.

7:00 PM Contributed Talks and Member Photos

SUNDAY, January 29

Field Trip to a site to be determined.

Friday afternoon please bring hors d'oeuvres

Saturday lunch – Sandwiches will be provided.

Saturday night buffet dinner is \$5.00. Advance dinner reservations necessary.

(See Registration form.)

Conference Guidelines

Now is a very good time to make your advance registration for the 2017 Pacific Micromount Conference. It is also a good time to think about giving a contributed talk.

Registration: Please provide the names and home towns of all members of your party. We like to have a name-tag waiting for everyone. In addition to Conference registration, you will need to make a reservation if you plan to attend the delicious Saturday evening buffet dinner.

Nearby Motels

Redlands Motor Lodge, 1151 Arizona St.,
Redlands (Alabama off-ramp)
909-798-2432

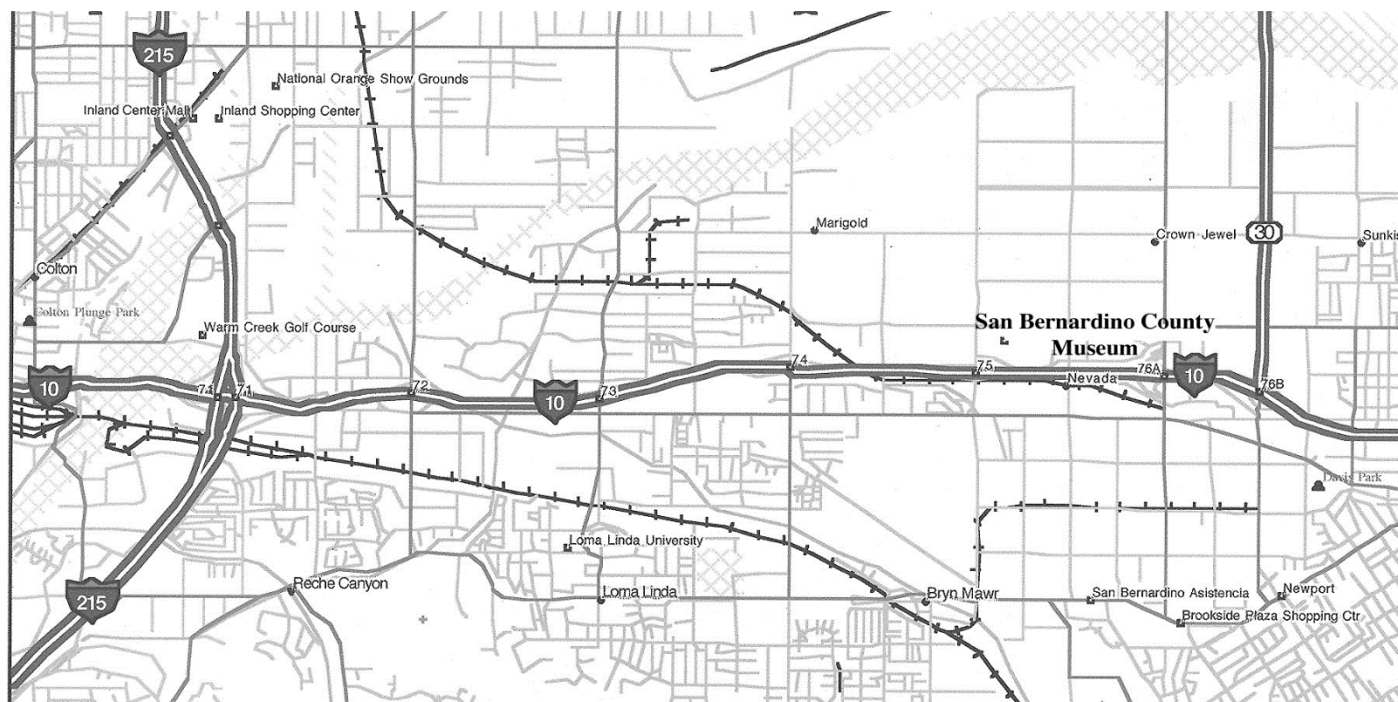
Good Nite Inn, 1675 Industrial Park Ave.,
Redlands (Alabama off-ramp)
909-793-3723

Starlight Motel, 1371 W. Redlands Blvd.
Redlands
(Alabama or Tennessee off-ramp)
909-792-3333

Super 8, 1160 Arizona St., Redlands
(Alabama off-ramp)
909-335-1612

Also, if you have an RV, a trailer, or van and are self-contained, you may camp at the outer edge of the Museum parking lot. Quite a few do this, and you will not be alone. (Use Registration form to let us know)

The San Bernardino County Natural History Museum is located just north of the 10 Freeway, at 2024 Orange Tree Lane, Redlands, California. (Take California Street exit and go north to Orange Tree Lane, then turn right to Museum Entrance.)



Advance Registration Form

PACIFIC MICROMOUNT CONFERENCE

January 27, 28, 2017 (Field Trip on Sunday, January 29)

Registration \$20.00 per person by mail, \$25.00 at the door

No. of people _____

Amount \$ _____

Names & Home Towns

e-mail address

Friday Afternoon

Remember snacks to share

Saturday Lunch (Included In registration)

Sandwiches will be ordered based on your advance selection

Turkey (____) Beef (____) Ham (____) Veggie (____)

Saturday Night Buffet Dinner

\$5.00 per person – number of people attending: _____ (x \$5.00 =) **Amount \$** _____

Field Trip on Sunday

Are you interested in attending the field trip? Yes _____ No _____

Number of participants _____

Total Amount \$

Print this page, Fill it out and Send it, with you Payment to:

PMC Committee Secretary
Robert Housley
210 S Catalina Ave. #3
Pasadena CA 91106

Make your check payable to MSSC

I plan on contributing a short talk (____)

The topic will be: _____ Approximate length of time _____

Remember to bring auction and give away material if you have any to share.

**WEST COAST – SPRING
GEM & MINERAL SHOW**



**May 19 - 20 -21, 2017
Santa Ana, CA**
Holiday Inn - Orange County Airport
2726 S. Grand Avenue
(take 55 Hwy Exit 8 for Dyer Rd to S. Grand Ave)
Shop with 78 Great Dealers!
Minerals • Fossils • Gems • Jewelry • Beads • Meteorites
Decorator Pieces • Lapidary • Metaphysical & More!
FREE ADMISSION • FREE PARKING • WHOLESALE • RETAIL
LLD Productions, Inc., P.O. Box 665, Bernalillo, NM 87004 • 505-867-0425 • mzexpos@gmail.com
www.mzexpos.com Facebook.com/mzexpos

MSSC Advertisement Policy:			
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 bulletin@mineralsocal.org and the payment should be sent to the MSSC Treasurer 1855 Idlewood Road, Glendale, CA 91202			

Calendar of Events:

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

DECEMBER, 2016

December 3 - 4, LAKESIDE, CA

El Cajon Valley Gem & Mineral Society
Lakeside Rodeo Grounds
12584 Mapleview Street
Hours: 9 - 4 daily
Website: www.ecvgms.org [Show Page](#)

December 3 - 4: BARSTOW, CA

Mojave Desert Gem & Mineral Society
Cora Harper Community Center
841 S. Barstow Road
Hours: 10 - 5 daily
Website: www.mdgms.net [Show Page](#)

December 9 - 10: RIALTO, CA

Orange Belt Mineralogical Society
City Hall Lot
105 South Palm Avenue
Hours: 9 - Dusk daily
Website: <http://OBMSrocks.yolasite.com>

JANUARY, 2017

No Southern California Shows
listed for January, 2016

FEBRUARY, 2017

February 17 - 26: INDIO, CA

San Gorgoni Mineral & Gem Society
Riverside County Fair & National Date Festival
82-503 Highway 111
Hours: 10 - 10 daily

MARCH, 2017

March 4 - 5: ARCADIA, CA

Monrovia Rockhound
L. A. County Arboretum & Botanical Garden
301 North Baldwin Avenue
Hours: 9:00 - 4:30 daily
Website: www.Moroks.com

March 4 - 5: VENTURA, CA

Ventura Gem & Mineral Society
Ventura County Fairgrounds
10 W. Harbor Boulevard
Hours: Sat 10 - 5; Sun 10 - 4
Website: www.vgms.org

March 11 - 12: SAN MARINO, CA

Pasadena Lapidary Society
San Marino Masonic Center
3130 Huntington Drive
Hours: Sat 10 - 6, Sun 10 - 5
Website: www.pasadenalapidarysociety.org
[Show Page](#)

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 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 Stamberg	North Orange County, near Cal State Fullerton	
A ride	Catherine Govaller	San Bernardino, CA	

La Urban Festival Update by: Rudy Lopez

MSSC is officially registered as an Exhibitor at the 2017 Urban Festival, to be held at the Natural History Museum on Saturday & Sunday March 18 - 19, 2017. We will have our same spot near the main entrance and will display two cases of minerals.

Again! I will need help and minerals for the children mineral bags to give to the kids.

We had a great time at the 2016 LA Urban Festival at the Natural History Museum last year. We had over 1000 attendees stop at our tables and ask a bunch of questions and enjoy our mineral display.

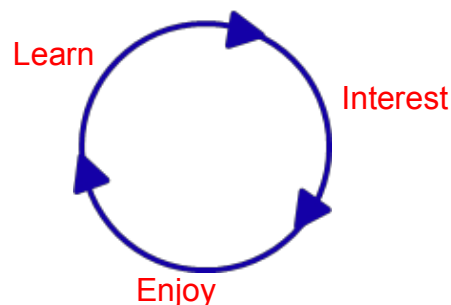
We made about 800 children happy by giving them a mineral to start their collections. Robert Housley gave a few boxes of quartz from Thousand Oaks Blvd. in Agoura Hills made a big hit. Leslie sent boxes of Fluorite pieces that kids learned was in toothpaste.

We need small minerals that we can bag up to give away, if they are identified and where they came from it helps make it more collectable to the children.

So! Please look around and see if there is a box of minerals taking up space in your closet, garage, storage shed, under your bed or where ever you hide them, that you don't want.

You can bring all donations to a meeting and give them to me or if there are too many I will pick them up. Never too early to start collecting for next year, I think we will need about 1000 pieces. We already have about 400 items already.

Have you noticed, the more you learn about minerals, the more interesting they are and the more enjoyment you have when you study them and the more you want to learn about minerals? An interesting circle, isn't it!



2015 MSSC Officers:

OFFICERS		
President	Ann Meister	president@mineralsocal.org
Vice President	George Rossman	vicepresident@mineralsocal.org
Secretary	Angie Guzman	secretary@mineralsocal.org
Treasurer	Jim Kusely	treasurer@mineralsocal.org
CFMS Director	Jo Anna Ritchey	
Past President	Geoffrey Caplette	
DIRECTORS		
2015--2016	Bruce Carter	
22015--2016	Bob Housley	
2015--2016	Leslie Ogg	
2016-2017	Pat Caplette	
2016-2017	Pat Stevens	
COMMITTEE CHAIRS		
Bulletin Editor	Linda Elsnau	bulletin@mineralsocal.org
Hospitality	Laura Davis	
Membership	Cheryl Lopez	membership@mineralsocal.org
Micro Mount Conf. Chairman	Al Wilkins	
Program and Education	Rudy Lopez	programs@mineralsocal.org
Publicity	Linda Elsnau	bulletin@mineralsocal.org
Webmaster	Leslie Ogg	webmaster@mineralsocal.org

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. Bulletins are delivered by email, there is an additional annual \$20.00 fee if you prefer paper bulletins mailed to your address. The Society's contact information:

Mineralogical Society of Southern California

1855 Idlewood Rd.,

Glendale, CA 91202-1053

E-mail: treasurer@mineralsocal.org

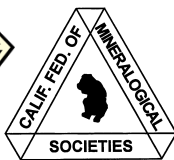
Website: www.mineralsocal.org **The Mineralogical Society of California, Inc.**

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MSSC Bulletin Editor
3630 Encinal Ave.
Glendale, CA 91214-2415

To:



With Knowledge Comes Appreciation

***Your MSSC
Bulletin Is
Here!***

***Happy Holiday Wishes to
One and All***

