

Bulletin of the Mineralogical Society of Southern California

Volume 89 Number 7 - July, 2016

The 935th meeting of the Mineralogical Society of Southern California

With Knowledge Comes Appreciation

July 8th, 2016 at 7:30 P.M.

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

Program: Forest Service Presentation on the status of the Monument Program and our area public lands; Presented by: Justin Seastrand

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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: Forest Service Presentation on the status of the Monument Program and our area public lands, Presented by: Justin Seastrand, Forest Service Coordinator, Angeles National Forest

An overview of the Monument Planning process and where we are at in that process, emphasizing opportunities for public participation that are on the horizon in the next few months. Also included is the bearing that the Monument, and the management plan will have on our minerals program, including a brief overview of what our minerals program entails.

Justin Seastrand has been the Environmental Coordinator for the Angeles National Forest since 2011. He manages the NEPA and Planning programs for the Forest out of the Santa Anita Station. This is a continuation and update of the program he gave us at our December, 2015 meeting.

Special Notice to our Members: The Forest Service will be making a video of this program for their use. If you do not wish to be photographed for the video. Let the videographer know before the program. After editing, MSSC will receive a copy for inclusion on our website. We DO want active participation from all in attendance so bring your questions and concerns to the meeting! Now is the time to get your issues heard!

From the Editor: Linda Elsnau

Here we are at July! I'm hoping everyone enjoys a safe and happy 4th of July!

We are fast approaching the year-end election of new club Officers for 2017. As most of our current officers have served MSSC in their positions for more years than anyone should have to, please consider which position you may enjoy trying out for 2017. If there is anything you need to know about what these positions require of you, feel free to contact the current holder of any position that may interest you and ask! All will be more than willing to explain the duties and time requirements. Asking about a position does not automatically assume you will accept a nomination. Most prior officeholders are more than willing to help their replacement learn the job.

Our program this month is a continuation of last December's discussion about the new "Monument Program" and its effect on our local area collecting sites. The Forest Service will be recording the program for their use so bring all of your questions to be certain your concerns are aired!

To help us understand the issues that will be addressed in this month's program, Ann sent us this link to San Diego Mineral & Gem Society's article about new National Monuments. "*To Collect or not to Collect; That is the Question.*" <http://www.sdmg.org/articles/201605/to-collect-or-not-to-collect/>

MEANDERINGS FROM THE PRESIDENT by Ann Meister

Wow, has it been hot! Record-breaking and deathly HOT! and along with that, the usual complement of fires. I hope none of you have had close encounters of the flaming kind. A recent item in *Altadena Now* reported that the local search and rescue teams have been busy in the canyons and mountains along the San Gabriel foothills. Rescues have risen by 50% over last year. In addition to the common factors of going off the trail and getting lost or falling down a cliff, many rescues have been heat-related, such as heat exhaustion in both humans and dogs. The hikers seem to think that one bottle of water is enough for them and their pet. Wrong! In Arizona, there have been at least 5 separate incidents of reported heat deaths of hikers, including some who were in good shape and appropriately outfitted, had sufficient water, and started out early in the morning. Two of the deaths were visitors from Germany who were unfamiliar with desert hiking. When the thermometer hits triple digits, it's best to stay hydrated and indoors with air conditioning, doing less body-stressing activities. I know all of you are aware of this, but remind your friends, grandkids, and visitors who may be newbie's to hiking in heat.

Dr. Atul Gawande, **Caltech**'s commencement speaker, warned that scientific thinking is under siege by pseudoscientists many of whom claim they have the truer scientific authority, dismissing the authority of the scientific community. The entire speech was published in *The New Yorker* magazine for which Gawande, a surgeon and public health researcher, has been a staff writer since 1998. (see www.newyorker.com/news/news-

[desk/the-mistrust-of-science.](#)) How does mistrust of science apply to the realm of mineralogy, geology, and the other geosciences? Think about it for a future discussion.

Our upcoming **PICNIC** on August 21, will feature a **silent auction**. The swap tables that we previously had have not been used much the past few years, so we'll renew an earlier MSSC tradition. This as an opportunity to offer some items that may not be convenient to bring to the silent auction at the banquet. For example, have you recently upgraded your camping or collecting gear? Is the old tent or cook stove that you stuffed in the back of the closet or garage still serviceable? If so, this is a chance to help MSSC while cleaning out clutter. All the other, usual items are also welcome, such as minerals, fossils, lapidary, gems/jewelry, geo-science books & magazines, mineral art & posters, and mining memorabilia. Rudy says he has lots of slabs and other things that he's cleaning out of his garage. What's in your garage or closet that you could contribute?

For those interested, the **Von Kármán Lecture** on July 14 and 15 is titled "To Boldly Go... Well, You Know: NASA's Dawn Mission to the Asteroid Belt." 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** talk is on Sunday, July 17 at 2:30. The speaker is An Yin, a UCLA geologist. Check Facebook (<https://facebook.com/UCLAMeteorites>) or the website (<http://meteorites.ucla.edu/>) for his title. 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. By the way, did you see the articles about a completely new meteorite that was discovered in a Swedish quarry? See <http://www.npr.org/sections/thetwo-way/2016/06/15/482195719/scientists-say-theyve-unearthed-a-completely-new-kind-of-meteorite>

I repeat: Who is interested? Nominations for MSSC officers (including President) and directors are coming up. We need candidates for 2017. Think about it...

MINUTES of the June 10, 2016 Meeting

The **934th** Membership Meeting of the Mineralogical Society of Southern California (MSSC) was held at Pasadena City College on Friday, June 10, 2016. The meeting was presided over by President Ann Meister.

Call to order at 7:35 p.m. Ann thanked everyone for coming tonight. She asked who felt the earthquake last night and got a lively response from everyone. Ann also gave a welcome to the guests in attendance.

Regular Business

- President Meister asked if there were any corrections or additions to the **May 2016 Membership Meeting Minutes** as published in the June 2016 *Bulletin*. Seeing none, she asked for a motion to approve them. A **Motion** was made () then seconded (Ursula Wilson) to approve them. The vote was called and the motion **passed** unanimously;
- Ann confirmed with Editor Linda Elsnau that the deadline to submit items for the July *Bulletin* to be June 21st ;
- The next Board meeting will be June 12, 2016. All members are invited to attend. Among the topics on the Agenda will be volunteers to serve as officers for the next term, the picnic, computer issue, Urban Fest 2017, Pacific Micromount Conference, Dr. Bob Housley's items for discussion and other items (let Ann know).

Announcements

- The Natural History Museum of Los Angeles County's 2nd annual Urban Nature Fest will be held June 25, 2016 and June 26, 2016 from 9:00am until 5:00pm. Program Chair, Rudy Lopez announced that he is still looking for volunteers (he currently has 6 people). MSSC will not have a display case this year but will again use a microscope and laptop to show minerals up close and personal. Those volunteering will receive a free parking pass as well as access to the entire Urban Nature Fest event, plus entrance to the museum! Contact Rudy if you can help to represent MSSC at the Fest;
- Our Annual Picnic will be August 21, 2016 at the Carter residence. **This is a Pot Luck event**. Ann called for a hand count of those interested in having a Silent Auction including mineral specimens as well as

various related items. Several were in favor of the suggestion. [Note: Come to the July 8th meeting to find out more information.];

- The von Kármán Lecture Series will be June 16-17 on “2015-2016 El Niño Winter and California Water: What did we see from space?” [NOTE: *The Lecture Series for July 14-15 is “Go Boldly... Well, You Know: NASA’s Dawn Mission to the Asteroid Belt.”*] For more information, please go to the JPL website: www.jpl.nasa.gov/events/lectures;
- UCLA Meteorite lecture will be June 19th “Oriented Meteorites: Sculpture by Fire”;
- Upcoming club show: Culver City (June 25-26).

Show and Tell

- Rudy Lopez brought 2 flats of Calcite for viewing and has some other items that need to be identified;
- Dan Krawitz has Darwin Scheelite (Bob Housley says it has iron phosphate on it), a Cuprite specimen, an assay pan from the 1950’s and documents from the 1930’s;
- Marek Chorazewicz brought Calcite, Black Garnet and other goodies.

Program

The meeting was turned over to Rudy Lopez, Program Chair, who reported that since his presentation last month, MSSC member Rene Kraus will do the shark cage at Guadalupe Island next year! And, Rene will give her presentation on Mojave Desert in May 2017. Rudy went on to introduce the night’s presenter, Chuck Houser.

The program this evening is “Got Calcite?” and is presented by return speaker, Chuck Houser. Chuck is a hydrogeologist and project manager for SCS Engineers in San Diego. He began his collecting interest in the 1980’s while working toward his bachelor’s degree at SDSU, more specifically after taking a mineralogy class with Dr. Richard Berry there. That was the birth of the Houser Mineral Collection.

Chuck began his presentation with a little levity and a “historic perspective” of how, in 1624, calcite was *invented* by one Vladimir Chechnelochlovo, a Russian alchemist who used evaporated groundwater and poured the residue into balsa wood cube forms. He threw out the resulting “cube” because they did not form perfectly, some had notches. Turns out, those rejects were the ones in demand! The rest, as they say...

As of 1913 there were 2,700 known forms of calcite crystals whereas today there are 3,500 known habits!

Calcite has three (3) perfect cleavage directions. It is a soft mineral, a low 3 on the Mohs scale. [Note: *A Habit is the characteristic external, general shape; Cleavage is when a crystal breaks along a regular surface related to its structure, i.e., Vs. an irregular break called a Fracture.*]

The basic crystal habits are: (1) rhombohedral (Vladimir’s failed attempt at a perfect cube for which there are no right angles); (2) scalenohedral, some call it the dog-tooth calcite. Chuck suggests we show a little more respect for this calcite and call it the great white shark-tooth calcite and (3) prismatic, the six sided crystal - some coming from the Sweetwater Mine in Missouri.

Calcite crystals can “twin” according to four twinning laws: in-line axis (including “nest” twins) at 180°, fishtail twin at 53.46°, heart twins – the holy grail, at 90° and the butterfly twin at 127.30°. Chuck showed excellent photo examples of these crystals. [Note: *Search Calcite on Google or on Mindat’s website for photo samples of these calcite crystal forms.*]

Color of Calcite is generally white (colorless) or pale yellow. Occasionally, there are impurities/other elements found in the mineral crystals and specific colors will be evidenced. Hematite will produce dark red and phantom red, Manganese produces pink, there are blues out of Mexico, Copper produced rose/pink out of Michigan and Marcasite will exhibit a peppered effect.

Calcite comes from the Earth’s crust. It’s impossible to name all of the mining operations but here are notable mines Chuck mentioned in his presentation: Egremont’s Bigrigg Mine in England, Santa Eulalia in Chihuahua,



rocks.com photo
Rob Lavinsky photograph of a
Calcite specimen from the
Elmwood Mine, Carthage, Tenn.

Mexico as well as other mines in Guanajuato and Zacatecas, Mexico. In the US, mines mentioned are the Gallatin Canyon in Montana and Brushy Creek in Tennessee. Others mines are located in Tsumeb, Africa, Canada's McBride in BC and Faraday in Ontario. China has several areas including Leiping in Hunan Province and others. Still more mines are Russia's Nikolaevsky Mine and various mines in Brazil, Peru, Italy and India.

In his PowerPoint presentation, Chuck showed photographs of fabulous Calcite crystals such as the Copper with Calcite from Pennsylvania, Sand Calcite from Rattlesnake Butte, South Dakota and some specimens from Fontainebleau and Cabaret, France. There was Aragonite from Bisbee, Arizona, Cobalt Calcite from the Congo and specimens from Morocco. We saw a Calcite after Ikaite var. Glendonite that is incredible.

Chuck also spoke of bird nests, fossils, cave formations, pseudomorphs, twins 1, twins 2 and stalactites. He collected and his current collection has about 200 pieces. He spoke of stories of hearing about a particular calcite specimen then going after it to include in his collection. Collectors have to have that one piece and he told us about selling part of his earlier collection(s) to purchase the one piece he didn't have but wanted badly. Chuck has gotten together with other Calcite collectors to create an exhibit at the Tucson show that looked spectacular, informative and even built in a contest!

Chuck cautions against trying to clean up your Calcite specimens. Handle your collection carefully, oils on your hands will transfer to the mineral and rings on your finger may damage your Calcite collection pieces. Chuck Houser, the Calcite Collector, is very passionate and knowledgeable.

Wow! My head is spinning. There is so much about Calcite I didn't know before this presentation and, admittedly, much more I need to learn and experience. But, huge thanks to Chuck Houser for an informative, fun and interesting presentation. Thank You!

The **door prize** drawing was won by Renee Kraus. Congratulations!

Adjournment was called at 9:10 p.m. Refreshments served after adjournment. See you at the next Membership Meeting on Friday, July 8, 2016.

Respectfully submitted, Angie Guzman, MSSC Secretary *Apologies in advance for any misspellings in this Minutes/aag*

List of Upcoming MSSC Events : Mark your Calender!

Event	Date	Comments / Scheduled Program (if known)
Meeting Dates:	September 9, 2016	Gabriel Mosesson - Ethiopian Opals Part 2
	October 14, 2016	Mohamed Elghetari - Mars
	November 11, 2016	Dr. George Rossman – Topaz - sources, color, & treatments
	December, 9, 2016	Leslie Neff & Larry Hoskinson - A Tourists Guide to Finding Opal in Cooper Pedy Australia
Annual Banquet	January , 2017	Aaron Celestain - LA Museum Director-- <i>to be announced</i>
Annual Picnic	August 21, 2016	Bruce & Kathy Carter's House
Board Meeting	September 18, 2016	Board Meeting at Bruce Carter's house

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

MSSC Board Meeting Minutes, June 12, 2016

The meeting was held at the Carter residence.

1. **Call to Order:** The Board meeting was called to order at 1:05p.m. by Board President Ann Meister. Welcome to the Board of Director's meeting. Roll Call of MSSC Board Officers, Directors and Committee Chairs: Ann Meister, George Rossman, Angie Guzman, JoAnna Ritchey, Bruce Carter, Bob Housley, Leslie Ogg, Pat Stevens, Linda Elsnau, Rudy Lopez and Cheryl Lopez were present. Absences: Jim Kusely, Geoff Caplette, Pat Caplette and Al Wilkins. There were no guests in attendance. Thank you to Bruce and Kathy Carter for again hosting the Board meeting.

2. Minutes:

There was a **motion** from the floor by George Rossman and seconded by Bruce Carter **to approve the Board Meeting Minutes of March 6, 2016 as published in the April 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. Update on Mindat website: After inquiries, Mindat, after some adjustments, now shows MSSC as a Major Supporter on their home page;
- b. Ann reports that she is unable to devote enough time to her position with MSSC and is putting out the call for someone to take over as President;
- c. Board nominations/slate of officers will be published in the October 2016 *Bulletin*. If you do not have a replacement for your position, it will be presumed you are running for re-election. Further, 3 Director positions are available for 2017-2018 term with Bruce Carter, Leslie Ogg and Bob Housley in rotation. Pat Caplette and Pat Stevens still have 1 calendar year to serve.

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

- a. Treasurer Jim Kusely is excused due to recent ankle surgery. He advised Ann that there is no financial report for this meeting.

3.3 Federation Director Report (JoAnna Ritchey)

- a. The California Federation of Mineralogical Societies (CFMS) show and convention will be September 16-18 in Placerville, CA. Angie Guzman will be attending the convention as JoAnna's alternate. The event will be held concurrent with the worldwide Gold Panning Championship (Sept 11-18).
- b. CFMS is looking for an MOU regarding the new National Monuments issue of rock collecting. While CFMS is not allowed to lobby, the American Land Access Association (ALAA) has information. Ann made a call out to ask someone to follow and report on this important issue. Bob says LARocks has posts, George suggests Webmaster create a list of sites, Ann mentions an article by San Diego Minerals – she will find link and send it for posting in the Bulletin. Also, Angie recalls our July speaker is Justin from United States Dept. of Agriculture, Forest Service and he may be able to give more information and an update on the issue. Rudy warned him to be ready for a fight.

3.4 Membership Chair Report (Cheryl Lopez):

- a. No official report this month but there are 2-3 new members since last report. They are including Ruth and James Bird who have re-joined.

3.5 Bulletin Editor Report (Linda Elsna):

- a. Lately it's been difficult to put the Bulletin together, because of personal issues. How can you help? Putting together a ½ page article would be helpful, getting submissions in on time, be sure you have permission to use other people's work. Photos should be submitted timely. I've researched some old articles from the American Mineralogical Society but they are lengthy. Ann suggested she could help re-type them. There was discussion about converting .jpg files; if we could get permission to publish an abstract thesis on *Ramona Pegmatites* by Caltech's Dr. Simpson; his advisor, Dr. Richard Jahns, interviewed our own Dr. Bruce Carter while he was in high school. George offered that these PhD's are doctors of philosophy, therefore he's a philosopher. How true, George. Due date for the July Bulletin is June 21, 2016.
- b. Linda would like to purchase a multi-gig memory stick/flash drive to store MSSC's data on, something she can pass on to whoever will be the next *Bulletin* Editor. Pat said he could give her one. Rudy says memory sticks now hold up to 500gb. Pat will send one to Linda who can try it out. If it proves not to be sufficient, JoAnna Ritchey made a **MOTION** that was seconded by George Rossman that Linda Elsna is approved to **buy a memory stick not to exceed \$30.** The vote was called and the motion **passed.**

3.6 Webmaster Report (Leslie Ogg):

- a. Leslie handed out her reports showing upward trend in visits and Facebook likes. Leslie's graph shows that in January 2016 there were 3,265 visits and through May 2016 there were 4,058 visits. Some of the visits may be searches for other websites with similar initials [i.e., google MSSC to get Manufacturing Skills Standards Council; google Minerals to get Minerals-Kids Health, etc.] Other pages of the handout showed results of the ongoing online MSSC survey. Many of the respondents are members.
- b. Bob asked if someone from Friends of Mineralogy had contacted MSSC about putting something on the website. Leslie gave instructions to their rep, but none have been posted yet. Leslie will contact Friends again as a follow up.
- c. Ann asked if the whole website has been backed up. No, not yet, if it's possible.
- d. Ann wants to have a history of MSSC documents. Ann said she has some old Bulletin printouts from the 1960's and 1950's. JoAnna Ritchey will check to see if she can locate a CD from Walt's era. If she can find it, Ann said she would like a copy for MSSC historical archives. Maybe we could put a call out in the Bulletin. Ann said she's put something in her column.

3.7 Programs (Rudy Lopez):

- a. Rudy reports that speakers/presenters are good through May 2017. October, November and December may be booked, as well. Chuck Houser wants to give another presentation and Dr. George Rossman is committed although the topic has not been finalized.
- b. The Banquet will be held January 14, 2017 at Coco's.
- c. The Urban Nature Fest: Rudy reports he has help, flyers, lots of specimens (Apache Tears, geodes, pyrite, etc.) and will buy a big bag of candy, a sure attraction for the kids. If you can volunteer, contact Rudy. You can take the train! It's easy.
- d. Ann Meister suggested that taking the train to the Natural History Museum may be a good article for the *Bulletin*.

Pat began a discussion about Azusa fluorite collecting. Bob said he would be willing to show Rudy and others how to get there.

3.8 Pacific Micromount Conference (Bob Housley):

- a. PMC was a success and there were enough tables.
- b. Marek Chorazewicz was able to get a "new" computer from his company. It has up to date features. Arguably, there were problems at the conference with the computer and presenters loading their presentations. At the end of the conference, the computer was turned over to Al Wilkins. But, there is a question of possession. It was decided that this laptop should be under the care of Program Chair Rudy Lopez. When he gets it, he will check it out and test it.

3.9 Report on new laptop requirements/purchase

Rudy Lopez reported that Staples has an HP 8gb of RAM, 750gb hard drive, Intel Pentium processor laptop (\$329.00) and with software adapter the total is \$559.00 including tax. He researched to find this one to be sufficient for our needs. This laptop would be for MSSC use. *[Note: Recall that there was a passed motion at the last Board Meeting approving a budget not to exceed \$1,000 for purchase of a new MSSC laptop and software.]*

Ann opened discussion regarding a PMC focus meeting to be held with Al Wilkins. Those who want to participate aside from Ann are Bob, Al, Rudy, JoAnna, Jim and Angie. Ann will check on available dates and places to meet. Likely topics will be table sales, giveaway specimen tables, food, job descriptions, and other similar items. More coming on this...

--BREAK-- Thanks to Kathy for the yummy goodies and coffee. Always appreciated!

3.10 Picnic Planning: Ann Meister provided a little history about MSSC and how, when we changed to a calendar year for elections, a summer evening informal dinner was held. At those dinners, a silent and audible auction was held. Picnic at the Carter's started in 2013. Other groups/clubs were invited and over time, less and less clubs attended. Some of the past picnic's themes were limited to those who participated and may have been boring to others.

What would you like to see at this year's picnic? A silent auction and possibly an audible auction is a good idea. Rock specimens, camping gear, lanterns, books and the like were suggested. Pat volunteered to act as auctioneer. Rudy has a lot of different rock specimens and rock slabs he will bring. Expand attendance to Pasadena Lapidary, Monrovia Rock Hounds and Fallbrook club. It is still pot luck and people will be asked to bring a side dish/salad/dessert. A notice in the *Bulletin* will be published with RSVP to Rudy. Cheryl shared that sometimes people say they're coming but don't show up. Pat said 15% of the ones that say yes will not show. After some discussion, it was decided that the silent auction would work and we will have to wait and see about the audible auction.

MOTION made by JoAnna and seconded by Angie to approve a budget for Rudy to purchase the picnic meats (brisket and pork) **not to exceed \$325.00**. There was no discussion, the vote was called and the motion **passed**.

Ann will get the plates, napkins, plastic ware, cups, etc. **MOTION** made by JoAnna and seconded by George to approve a budget for Ann **not to exceed \$35.00 for paper goods** for the Picnic with any surplus going for use at the PMC. There was no discussion, the vote was called and the motion **passed**. Bruce has back up supplies if they are needed.

A discussion came back to the audible auction, perhaps for next year. Ann will get dealers in line, JoAnna mentioned jewelry. Further discussion for this year's picnic included beverages -no sodas. Bruce bought the water last year. Chips, bread, and other items were mentioned. Bruce has a pop-up and tables for the silent auction.

4. New Business

4.1 a. Bob Housley on publishing Paul Adams Silver Coin Mine pictures: *"I have an agenda item. Paul Adams has during the past few years done extensive studies of the Silver Coin Mine. He published part of this work in a recent Mineralogical Record article and just gave an hour talk at NCMA describing more of it. He says he has about 500 good pictures of Silver Coin micro minerals. He would like to publish his full results in some way and would be willing to put it all on disk that we could sell."*

Discussion followed Bob's explanation: 1) publish the 500 photos on CD – does it include power point or verbal identification of the micro photos? 2) MSSC's motivation to "sponsor" this project is for us to make money, 3) What vehicle do we use to sell the CD? Amazon? 4) How do we make the CD available to other micro mount clubs around the country? 5) How much would the CD sell for? 6) Is there a time issue? 7) Content is not an issue, Paul's photos are excellent and the geology is great. 8) Given it is mineralogy, it's up our alley and what we do – it's a good project for us. 9) Orders could be taken through our website. 10) What are the distribution problems?

MOTION made by Pat Stevens and seconded by Bob Housley **to let Paul Adams know that MSSC is interested in seeing the product for further investigation**. There was no further discussion and the vote was taken. The motion **passed** unanimously.

Bob can let Paul know we're interested. We have to figure out the logistics, figure on a price, marketing, time it would take MSSC to develop and other items at issue. George offered that he couldn't think of a university that does not already have this kind of information. Bruce agrees that professors already have all the tools they need to teach mineralogy and geology. Bob thinks the micro mount community is our target market. Linda asked if we got our Pay Pal account set up. Leslie said yes but it's not activated. [Further discussion is required on this project, perhaps after Bob speaks with Paul Adams.]

5. Next Meeting

The next MSSC Board Meeting will be September 18, 2016 at Bruce Carter's home.

6. Adjournment

Thank you all for coming. We offer a grateful acknowledgement to the Carters for the use of their home for the Board Meeting. The meeting adjourned at 3:19 p.m.

Respectfully submitted, Angie Guzman, Secretary

Post meeting: Pat wants to know if anyone is interested in going to Ramona. Contact him if you are interested.

2016 MSSC PICNIC - POT-LUCK & SILENT AUCTION

When: **Sunday, August 21, 2016**

Time: Noon to 4:30 pm (we'll eat at 1:00pm.)

Where: Home of Bruce and Kathy Carter,
146 Highland Place, Monrovia, CA

Food: Potluck (see below)

Drinks: Water provided. Bring other beverages as you prefer.

RSVP: Cheryl Lopez – Phone: (626) 351-6283 or email: membership@mineralsocal.org

Please RSVP by August 17th

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 air conditioned house.

Driving Directions from the 210 Freeway: Exit the 210 at Huntington Drive and go east to Mayflower Ave. Turn North to Foothill Blvd. Then go West one block to Highland Place. North to #146. If you get lost, Bruce's phone number is 626-357-4532.

THE POTLUCK

MEAT: Rudy is bringing his outstanding, 5-star BBQ including pulled pork and brisket! There is also a gas BBQ grill available if you would like to bring your own meat to grill.

SALADS, DESSERTS, OTHER: Leslie is bringing her Hawaiian Shave Ice machine and syrups. Ann's bringing her bean & goodies salad that won raves at the micromount conference.

Please bring your own special potluck offering to share: chips and dip, salsa or guacamole, a salad (macaroni, potato, vegetable or other; homemade or from the deli), a veggie tray, grapes, fruit salad, a jar of pickles or a can of olives; cookies, pie or other dessert item, or anything edible. Let's see what scrumptious goodies turn up this year!

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.

THE SILENT AUCTION

Returning to a former tradition of MSSC, we are having a silent auction at our summer social event. Please bring items that are related to our hobby – minerals, fossils, lapidary, gems/jewelry, geo-science books & magazines, mineral art & posters, and mining memorabilia. Also appropriate would be serviceable collecting or camping gear, and other items that don't seem to fit at the banquet. Rudy is cleaning his garage and has lots of slabs! What's in your garage?

Please RSVP at the email address or phone number listed above so we know how many are coming and how many tables and chairs we need. If you call, there is an answering machine so please **CLEARLY IDENTIFY YOURSELF** and **HOW MANY ARE IN YOUR PARTY**.

Other Comments:

We are inviting three clubs to our picnic this year, MOROKS (Monrovia Rockhounds), PLS (Pasadena Lapidary Society) and Fallbrook. So, bring yourselves, your yummy contributions and your silent auction contributions and hopefully make some new friends from other area groups.

Rudy says “We are going to have a silent auction and I am encouraging everyone to bring items for the silent auction. I have been cleaning my storage boxes and have found some really great slabs. I found agate, moss agate, tiger eye, fossils, palm root, obsidian (black, mahogany, rainbow and silver streak) and I will have at least 50 or 60 slabs alone. I will bring some obsidian pieces that weigh anywhere from 10 to 30 pounds. I will also bring agate rocks weighing about 25lbs, lepidolite, tiger eye and other rocks. I have a small 7" rock saw and a jewelry buffer I will put up for auction and I am still looking through my finished cabs. SO, let's all pitch in and bring items for the silent auction. Please understand anything that does not sell the day of the picnic will go back home with the original owner. There will be tables for your auction items and bid sheets. Please look at the pictures I have attached of just a few items I will bring for the silent auction. Items will be priced to sell, but not given away.



Those of you who are so inclined may bring items for the silent auction. Please bring items that are related to our hobby – minerals, fossils, lapidary, gems/jewelry, geo-science books, and mining memorabilia.”

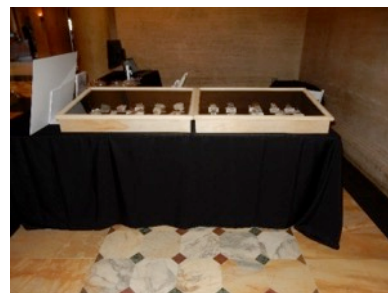
See ya'll there!

MSSC Big Makes A Big Splash at the L.A. Urban Nature Fest: June 25 and 26, 2016, with Over 800 Minerals Given To Kids: By Rudy Lopez

At the two-day festival, MSSC displayed two mineral cases with 30 minerals from around the world. All minerals came from the Rudy & Cheryl Lopez Collection.

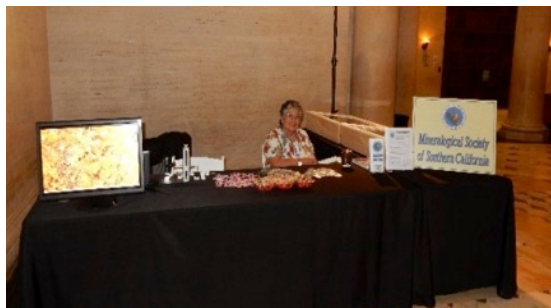
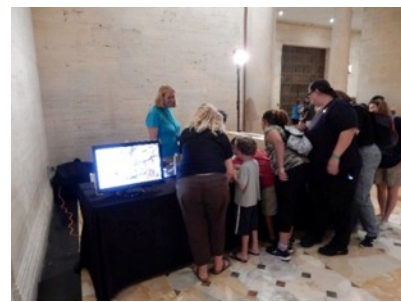
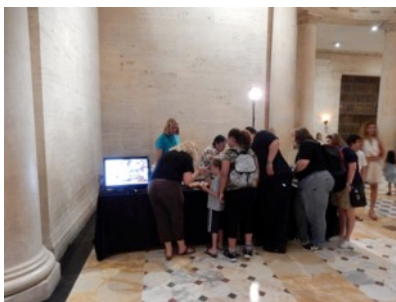
Our display's stopped people in their tracks and they spent a lot of time at our tables asking questions about the minerals and how they were collected. I displayed Zeolites from India, Aegirine/Quartz from Malawi, Heulandite/Calcite from Poona Mumbai, Pyrite from Peru, Diopside from Kazakhstan, Fluorite from China and minerals from other countries.





The cases were made by Mike Brady a very good friend of mine 4 days prior to the festival. Thank you MIKE!!

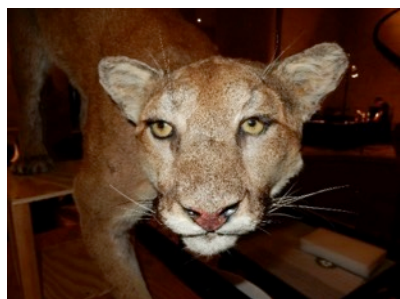
We gave away over 800 minerals bags to kids over the two-day event. We made a big effort to greet everyone that passed our tables. I can't say the candy didn't help stop the kids at our table, but when they saw the mineral bags we were giving away their eyes opened as wide as their smiles.



I want to thank Joanna, Leslie and Angie for helping me manage the tables and answering all the question asked about our minerals and mineral bags given to the kid's.

I did display the micromounts and again and they were very big success. The kids that received minerals made us put the minerals they had just received under the microscope for viewing. This year there wasn't a lot of time to roam around the museum since we were busy the entire weekend.

I managed to take a few pictures of displays at the festival.



Some old friends from last year.



I want to thank Leslie Ogg and Bob Housley for their donations of minerals to give away at the show. Along with the items I had already and their donations brought we had enough minerals to give to the kids. So I thought, when I got home Saturday night I ended up making up over 300 more bags, that consisted of pyrite, petrified wood and Apache tears. This year's turn out at the festival was much larger than last year.

All bags were minerals that sparkle and awed the kids and their parents at the show when they got them.

I also want to thank the Natural History Museum, Laurel Robinson and Jennifer Greenebaum for inviting us to the festival and for their help during the festival. Our display's had to be approved by the NHM prior to opening. They had their maintenance crew bring a spot light to enhance our two display boxes and they were very pleased. We hope they will have us back next year.

With Knowledge Comes Appreciation!

Featured Mineral: Zinkenite :

Formula: $\text{Pb}_9\text{Sb}_{22}\text{S}_{42}$

Crystal System: Hexagonal

Name: Named in 1826 by Gustav Rose in honor of Johann Karl Ludwig Zinken (Zincken) [June 13, 1790 Seesen, Braunschweig, Germany- March 19, 1862 Bernburg, Germany], mineralogist and mining geologist, and director of the "Anhalt-Bernburgischen Berg- und Hüttenwerke" in Magdeburg, who discovered the mineral.



irocks.com photo

Zinkenite : $\text{Pb}_9\text{Sb}_{22}\text{S}_{42}$

Locality: Itos Mine, Oruro City, Cercado Province, Oruro Department, Bolivia

5.9 cm x 3.7 cm x 2.2 cm



irocks.com photo

Zinkenite : $\text{Pb}_9\text{Sb}_{22}\text{S}_{42}$

Locality: San José Mine, Oruro City, Cercado Province, Oruro Department, Bolivia

5 cm x 4.7 cm x 3.5 cm



irocks.com photo

Zinkenite : $\text{Pb}_9\text{Sb}_{22}\text{S}_{42}$

Locality: San José Mine, Oruro City, Cercado Province, Oruro Department, Bolivia

5.9 cm x 3.8 cm x 1.5 cm.

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	

WEST COAST GEM & MINERAL SHOW

NOV. 11 - 13, 2016

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	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/>

Summer Show doldrums are here so the list is remarkably short. Guess it's time to plan some collecting trips. Just be careful of the heat!

JULY

---No Shows Listed for July

AUGUST

August 5 - 7: NIPOMO, CA

Orcutt Mineral Society
Nipomo High School
525 North Thompson Avenue
Hours: Fri/Sat 10 - 5; Sun 10 - 4
Website: www.omsinc.org [Show Page](#)

SEPTEMBER

September 16 - 18: PLACERVILLE, CA

77th CFMS Show & Convention
Hosted by El Dorado County Mineral & Gem Society
El Dorado County Fairgrounds
100 Placerville Drive
Hours: Fri - Sun 10 - 5 daily
Web Site: www.cfms2016show.com

September 28 - October 2: YUCCA VALLEY, CA

Hi-Desert Rockhounds
Sportsman's Club of Joshua Tree
6225 Sunburst Street
Hours: 9 - 6 daily
Website: www.jtsportsmansclub.com/gem.html

2015 MSSC Officers:

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Vice President	George Rossman	vicepresident@mineralsocal.org
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22015--2016	Bob Housley	
2015--2016	Leslie Ogg	
2016-2017	Pat Caplette	
2016-2017	Pat Stevens	
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Program and Education	Rudy Lopez	programs@mineralsocal.org
Publicity	Linda Elsna	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

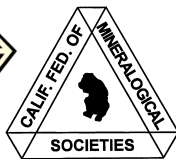
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MSSC Bulletin Editor
3630 Encinal Ave.
Glendale, CA 91214-2415

To:



**With Knowledge Comes
Appreciation**

**Your MSSC
Bulletin Is
Here!**