



Bulletin of the Mineralogical Society of Southern California

Volume 88 Number 12 - December, 2015

The 928th meeting of the Mineralogical Society of Southern California

With Knowledge Comes Appreciation

December 11th, 2015 at 7:30 P.M.

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

Program: US Forest Service Land Management Program presented by Justin Seastrand

In this Issue:

<i>TITLE</i>	<i>Page</i>
Program: US Forest Service Land Management Program Presented by Justin Seastrand	2
From the Editor: Linda Elsnau	2
Meanderings from the President: Ann Meister	2
Minutes of the November 13, 2015 Meeting	3
MSSC Board Meeting Minutes of November 8, 2015	5
MSSC Special Board Meeting Minutes of November 13, 2015	7
CFMS Directors Meeting: Visalia, CA, November 14, 2015: JoAnna Ritchey	8
List of Upcoming MSSC Events	8
CFMS Scholarship Honoree	8
MSSC Proudly Presents the 50th Pacific Micromount Conference	9
December Featured Mineral: Duftite	10
Ride Share Listing	10
Calendar of Events	12
2015 Officers	13
About MSSC	13

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: US Forest Service Land Management Program presented by Justin Seastrand
Justin Seastrand, Environmental Coordinator, will present an overview of the land management planning program of the Angeles National Forest. The focus will be on the National Forest's current Land Management Plan and its long term goals for sustainable resource management. Justin will explain how this landscape level plan guides individual actions and projects. There will be discussion of the current effort to amend this plan for the San Gabriel Mountains National Monument.

From the Editor: Linda Elsnau

First: **Dues are Due!** Have you sent in your membership renewal yet? Don't forget!

Here we are at the holidays again...where does the time go? I have agreed to do the Bulletin for yet another year (my fourth)! While I enjoy the job, I must admit it is getting harder as I do this pretty much all alone; chasing interesting articles, getting permission and also writing many pieces myself. I really need the help of our more knowledgeable and experienced members to continue putting out an interesting and educational bulletin for you each month. Most of our membership knows so much more about minerals than I do! Pick a topic of interest to you and write a short article about it for the bulletin. It need only be one to three pages, not a huge document to fit in the bulletin. Email your piece to me at the address in the roster or the one in the bulletin. If you need help putting your thoughts together, I'm here. OK, 'nuff fussing!

I wish everyone a safe, happy and healthy holiday season. May 2016 be everything you hope it to be!

MEANDERINGS FROM THE PRESIDENT by Ann Meister

Ah, the Holidays! That time of year when free enterprise commercialism goes crazy. THE HOLIDAYS, now all capital letters, start with Halloween, when the first Christmas decorations hit the stores – in September along with scary costumes, pumpkins, turkeys, and Santas. In Pasadena, it's time for the annual Rose Queen and Court selection for the New Year's Day extravaganza: the Rose Parade and "The Granddaddy of them all" – the Rose Bowl game. Such hoopla and hype. I do like watching the Rose Court selection. Ah, the nostalgia! Back in earlier days, you had to be a student at PCC to be eligible. I know that some of my sister's friends went to PCC just for the chance to try out. Then in the early 60's they opened it up to "Pasadena area high schools." I was at John Muir High and in both my Junior and Senior years, I tried out for the honor. I did get invited back for the second round, when at that time, they pared it down from something like a thousand to a hundred or so. I never made it any further, but one young lady of my acquaintance with whom I had also gone to Junior High, was selected to be a Rose Princess. That was exciting for all of us. One of us had made it! Ah, memories...

How's your Christmas shopping going? You still have an opportunity to visit Jewel Tunnel Imports on December 5 and 12 and "blend in" with the other clubs. There's a Brazilian amethyst geode "cathedral" for that special person on your shopping list, or agate book ends, selenite and halite lamps, or coated quartz goodies. My present to myself was three "watermelon" mica specimens from Brazil. They are beautiful and interesting.

Gemstones in the news: Here's a "one-of-a-kind" gift for that special someone in your life: did you see the news announcement about the world's second-largest diamond? The largest found in a hundred years. It was unearthed in Botswana at the Lucara Diamond Corporation's Karowe mine. It is a 1,111 carat stone – a bit larger than you would probably wear since that's nearly half a pound and measures 2.6 by 2.2 by 1.6 inches. *The Wall Street Journal* called it "nearly tennis ball sized;" the more erudite British *Financial Times* called it "Satsuma-sized" and showed a picture of two cupped hands (with pink nail polish) holding the gem, and commented that the stone might qualify as a "paragon" the term used to describe a flawless diamond of at least 100 carats. Two other large stones were found recently in Botswana, one of which sold for about \$60,000 per carat. Hmm, that might be a bit more than I can afford for a Christmas present. The largest diamond ever is the 3,106 carat Cullinan, found in Pretoria, Africa in 1905 and now part of Britain's crown jewels.

As I am writing this, it is Thanksgiving week, when we count our blessings and be thankful for what we have. I guess I should thank you all for re-electing me as your President (for the sixth consecutive term and eighth in total since I served 2 terms in the early 1980's), and also re-electing the officers and board. I am thankful that

MSSC is continuing, though I would certainly like to see greater participation in the Society operation and management from the membership. Please go to our website and answer the questions on our survey. What are your expectations for the MSSC? Many of you participate in the Pacific Micromount Conference in January. What else would you like to have us do? A former member told me at the Santa Ana show that MSSC needs to have a show again – that many people are ‘disgusted’ that we no longer put on the high-quality mineral show for which Pasadena was once famous. I asked him if he would re-join and lead it. The answer was as I expected, “No.” He said that if we don’t have the leadership among the current members, then we don’t have the “right kind” of members. (That’s rather presumptuous.) So if we don’t have the leadership for a show, how can we do it? It’s true that Tucson and Denver have great shows; do we want to re-enter the fray? Think about it, again.

So, Merry Christmas and Happy Holidays to all and I hope to see you at the December meeting and/or the banquet on January 9. And don’t forget donations for the Silent Auction...

MINUTES of the December 11th 2015 Membership Meeting

The 927th Membership Meeting of the Mineralogical Society of Southern California (MSSC) was held Friday, November 13, 2015 at Pasadena City College’s Geology Department. The meeting was called to order at 7:32 p.m. by President Ann Meister.

Regular Business

- President Ann Meister welcomed all members and guests;
- After asking if there were any corrections or additions to the Minutes of the October 9, 2015 meeting as published in the *Bulletin* for November 2015, and hearing none, a Motion to approve the Minutes was made by Laura Lloyd and seconded by Ahni Dodge. The motion was put to a vote and **passed** unanimously by the membership;
- Deadline to submit items to Linda Elsnau for the *Bulletin* is Monday, November 23, 2015;
- Membership Dues are (\$20/yr) due January 1, 2016. Please pay Cheryl Lopez, Member Chair. If you are going to the Banquet (\$38 ea) on January 9, 2015, Cheryl will accept payment;
- Silent Auction items will be appreciated for the Banquet. Please let Ann Meister know if you have something;
- Jewel Tunnel Imports (JTI) had an Open House on November 7, 2015, which was well attended by MSSC members and friends. JTI is having other Open House events on 11/21, 12/5 and 12/12 for those who may have missed the earlier event;
- Election Nominations are still open. President Ann Meister asked for a motion to close the nominations. **Motion to close the nominations** was made by Angie Guzman and seconded by Laura Lloyd. The vote to close the nominations was called and **passed** by the membership. President Ann Meister called for a motion to accept, by acclamation, the list of officers nominated. **Motion to accept, by acclamation, the nominated officers for 2016** was made by Rudy Lopez and seconded by Ahni Dodge. The vote to accept, by acclamation, the nominated officers for 2016 was called and **passed** by the membership. Congratulations to all MSSC officers on their re-election. This is Ann’s 5th term as president;
- The West Coast Gem and Mineral show is this weekend in Santa Ana;
- The UCLA Meteorite Gallery November lecture is the 29th presented by Dr. Peter Utaf and he will speak on the iron meteorites of California;
- The Von Karman lecture will be 12/3 at JPL and 12/4 at PCC and will be on InSight Mission, “Journey to the Center of Mars”. The lecture will be presented by Dr. Bruce Banerdt, InSight principal investigator at JPL. The lectures start at 7pm for about 1 ½ hours;
- The Huntington Library will feature Suiseki Exhibits December 26, 2015 thru January 3, 2016. Our own B.J. Ledyard is a dedicated volunteer at the Huntington and will be on hand for any questions;
- The Pacific Micromount Conference will be at the San Bernardino County Museum from January 29, 2016 to January 31, 2016.

Announcements

- Rudy Lopez, Program Chair, reports that the 2nd Annual Urban Nature Fest at the Natural History Museum of Los Angeles County will be in June 2016. MSSC has been invited to again participate. We need volunteers! We will have a show case and laptop with microscope and micro mount samples for display.
- Member Steve Mulqueen proposes a 3-4 day trip to the St. George area including Bloomington Cave, Johnson Farm Dinosaur Trackway (205 million years ago), a gypsum mine and petrified wood collecting. The field trip is planned for March 2016. There will be an announcement in an upcoming *Bulletin* for anyone who is interested and/or wants more information;
- Rudy Lopez reports that the MSSC Installation Banquet will be on January 9, 2016 at Coco's. The speaker will be George Rossman who will present "The Many Species of Silica". Refer to the next *Bulletin* for more information;
- Rudy announced that Dr. Alan Rubin of the UCLA's Meteorite Gallery will be presenting "Hot Meteorites" at our March 2016 Membership Meeting.

Show & Tell

B.J. Ledyard brought petrified wood in matrix that she collected at Palos Verdes when her geology class went to inspect the landslide from a few years ago. The petrified wood could actually be Monterey chert.

Program

Program Chair Rudy Lopez introduced the evening's speaker Chuck Houser, a geologist and project manager with SCS Engineers in San Diego, CA. Chuck earned his Bachelor of Science from San Diego State University, where his undergrad thesis was on structural controls and mineralogical indicators for the formation of pockets in the Elizabeth R Mine in Pala. He went on to earn his Master's, also from SDSU, where his thesis was on the tectonic geomorphology and Quaternary history of the Old Woman Springs fault in the western Mojave. He's a small plane pilot and a mineral collecting buff.

A review of last month's *Bulletin* will reveal the essence of Chuck's presentation. However, in his PowerPoint presentation, he included graphics showing how the subducting oceanic lithosphere crept beneath the Pacific's North American continent. The display shows lava plumes rising from depths only to appear on the crustal surface of land. These batholiths (plumes) gave birth to Pala's pegmatites. Tourmalines, beryl and spodumene are some of the minerals first mined in the early days. Morganite, a pink variety of beryl, and kunzite, a lilac variety of spodumene, were discovered at Pala! Historically and until her death in 1908, Cixi, the Dowager Empress of China, was said to have quite an appetite for the pink tourmaline mined at Pala mines and, that appetite helped support the mining operations. [*Internet legend has it, Cixi, on her deathbed, demanded Pala's pink tourmaline on her fingers. Secy.*]

In the mine setting, crystals are usually encased in sticky, reddish brown clay. Chuck's photos showed how one could easily miss the crystal for all the mud. But, after a proper cleaning, these minerals and gems are beautiful and colorful.

Chuck told us about the I-type granites (igneous, hornblende enriched in sodium and calcium) Vs. S-type granites (sedimentary containing mostly muscovite, biotite - and depleted in sodium but enriched in aluminum). He showed us a map where, from Temecula and SE toward Julian, on the east side of the dividing line, the minerals are more abundant: beryl, garnet, quartz, spodumene, tourmaline and even topaz deposits. Of course, these minerals continue southward into Mexico, as well. The mineral deposits to the west of the line are fewer; however, Ramona area reveals some healthy pockets.

The mines in the Pala area have a rich history. The Calcite/Elizabeth R/Oceanview Mines and others have been successful operations. Of course, Chuck could not go on without mentioning one of San Diego County's legends, Bill Larson. Larson, Fallbrook transplant from the Midwest, owned the Stewart Lithia, the Tourmaline Queen, the Pala Chief and the Himalaya Mines. Currently, the Oceanview Mine is operated by Jeff Swanger (since 2000). Jeff operates "fee dig" where visitors can sift through tailings and keep their treasures of minerals and gem crystals. There is that fee but you can't beat the experience!

Thanks to Chuck for an interesting, informative presentation. He brought a couple of specimens and fielded some questions.

Door Prize drawing was won by Leslie Ogg.

Adjournment was called at 8:50p.m. Refreshments were served in the coffee room afterward.

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

MSSC BOARD MEETING MINUTES of November 8, 2015

1. Call to Order: The Board meeting was called to order at 1:08 p.m. by Board President Ann Meister. Welcome to the Board of Director's meeting. Board roll call: Ann Meister, Jim Kusely, Angie Guzman, Bruce Carter, Jo Anna Ritchey, Leslie Ogg, Linda Elsna and Pat Stevens were present. Geoff Caplette, Pat Caplette, Bob Housley, Rudy Lopez, Cheryl Lopez, George Rossman and Al Wilkins were excused. There were no guests in attendance. Thank you to Bruce and Kathy Carter for again hosting the meeting.

2. Minutes: There was a **motion** from the floor by JoAnna Ritchey and seconded by Jim Kusely to *approve the Board Meeting Minutes of September 13, 2015 as published in the October, 2015 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. Board Director Seat: It is unclear if Bob Housley will tender his resignation from the Board. MSSC is waiting for his response to President Meister's request for letter of resignation or his communication indicating his desire to remain as a Director.
- b. Meteorite Gallery field trip: Thanks to Rudy for setting us our field trip to UCLA's Meteorite Gallery and our special time with Alan Rubin. We had great participation with 10 MSSC members.
- c. JTI Open House: Jewel Tunnel Imports' Open House had about 20 MSSC members and friends last Saturday. JTI will host three more Open House events this year, on 11/21, 12/5 and 12/12. All MSSC are welcome to attend any of the events and blend in with the other groups also invited.
- d. Procedure Manual: This item is tabled until next meeting. Please e-mail your procedures before the next Board meeting, March 6, 2016.

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

- a. Financial position: MSSC's financial position is stable according to reconciliation of Merrill Lynch statement compared to the books. All checks have cleared and our balance is \$21,280.00. Picnic expenses, Mindat and PCC donations still need to be entered, but, we're in good shape.
- b. Banquet: The banquet is more organized now. Discussion followed regarding recordkeeping of membership checks, silent auction and banquet checks that will be coming in as the event approaches. Jim will be working with Cheryl to ensure things go smoothly at the banquet. Also, Rudy mentioned he has a spreadsheet to track the money and he brought up the flyer handout that will be updated and posted in the next Bulletin. Jim will again create the name tags for the banquet.
- c. Insurance: Angie thanked Jim for the copy of the insurance policy for the Board members and said that a copy will be kept in the Minutes file as reference.

3.3 Federation Director Report (JoAnna Ritchey):

- a. CFMS Fall Meeting: Jo Anna Ritchey will travel to Visalia to attend the fall meeting of the California Federation of Mineralogical Societies and will check on the progress of their website, videos showing up from that site and will report on any news from CFMS at the next MSSC Board meeting.

3.4 Membership Chair Report (Cheryl Lopez):

- a. Discussion regarding corrections and updates to the Membership Form;
- b. Statement regarding Returned Checks to be included on the Membership Form? No;
- c. The Roster will be mailed March 2016, after collection of Member Dues and the Banquet;

- d. Discussion about dues reminders to those without e-mail. Linda conveyed that Mr. Harwood thanked the club for the break for his advertising in the Bulletin. Ann indicated that we are willing to do that for other clubs.

3.5 Program Chair Report (Rudy Lopez):

- a. Meteorite Gallery at UCLA was well attended. Ann thanked Rudy for his piece in the Bulletin, including photos;
- b. Program speakers are scheduled through May 2016: George Rossman (Many Species of Silica) in January at the Banquet, Bruce Carter (Interesting Occurrences in Iberian Minerals) in February, Alan Rubin (meteorites) in March, (April was not mentioned), Martha House (Micro Minerals) in May. Linda mentioned Steve Hardinger of UCLA would also be a good speaker. Rudy mentioned another speaker who may be available. No decision made at this time;
- c. The 2nd Annual Urban Fest has been scheduled for June 26, 2016. The museum has asked us to participate. The plan is for an exhibit case next to the table that will again have the laptop and microscope to show micro mounted minerals (a big hit last year!). Ann mentioned Kid Rocks items and other items for children that she has that may be available for the Urban Fest event;
- d. Rudy inquired about printing more tri-fold flyers and revised membership forms. After discussion, the Board decided that the flyer needs to be reviewed before we make a final decision on printing. As for the Membership application, we can print approximately 25 for now.

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

3.6 Bulletin Editor Report (Linda Elsnau):

- a. Editor Linda Elsnau is acknowledged for a job well done! Linda mentioned that she has gotten good feedback on articles and thanked those who have submitted them;
- b. Linda mentioned that Rock Currier recently passed as well as the following: Roger Murk of Murk Jade in San Diego, Tony Jones and Pete Bancroft;
- c. Linda announced that she is always looking for articles for the *Bulletin*. Also, the American Mineralogical Society (New York) have their old bulletins on line and they are for use (JPEG format);
- d. Linda had to purchase a new toner cartridge which costs more than the previous one she purchased. That will increase the cost of the printed Bulletin from 9¢ per page to 10¢/page. There was **MOTION** made by Linda Elsnau and seconded by JoAnna Ritchey **to charge 10¢ per page a printed *Bulletin* to cover the increased cost of toner**. After discussion and hearing no objections, the motion was put to a vote and it **unanimously passed** by the Board.
- e. Discussion regarding printing promotional business cards;
- f. Linda mentioned the **November *Bulletin*** announcement that Pasadena Lapidary won a National (Best Club) award for their year book publication;
- g. The deadline for articles and other submissions for the *Bulletin* will be November 23, 2015;
- h. Ann said she may have something interesting for her Meanderings column.

3.7 Webmaster Report (Leslie Ogg)

- a. The web site survey had one more response from someone who is not a member. Facebook “likes” have increased. Discussion regarding social media;
- b. Ann mentioned that she has been working on a list of past presidents. Jim said he may have one he can share with her. Ann said she is working on historical items;
- c. Update of the Membership Form will be appearing on the web site as soon as it has been revised. All forms should have a revised date.

3.8 Pacific Micromount Conference [Report given by President Ann Meister]

- a. Al tells us the San Bernardino County Museum has our Pacific Micromount Conference scheduled but he did not say what the date was. We will keep to our date of January 29 and 30, 2016 with the field trip on Sunday, the 31st;
- b. Al wanted to know if Ann had followed up on the tables. Ann will call the museum’s Jennifer Reynolds to see if they want the wood or plastic tables and if they want 4’ or 6’. There was some discussion about

tables. As far as MSSC putting together an organizing committee for PMC is this time, it's too late to coordinate given people's schedules.

- c. We need to be aware of people who may not be participating in PMC in coming years and set up a committee to take over the jobs those people do. Ann will contact Al Wilkins and discuss PMC.
- d. Rudy mentioned that he is hesitant to leave our equipment at the museum without being locked in a secure area. Discussion followed about security and it is determined that conversation with the museum will be forthcoming. More coming;
- e. Linda will contact Al Wilkins and Bob Housley to ask for PMC announcement she can publish in the *Bulletin*.

4. New Business: None at this time

5. Next Meeting: The next MSSC Board Meeting will be March 6, 2016 at Bruce Carter's home.

6. Announcements

- a. Bruce Carter made an announcement about the Suiseki (viewing stones) exhibit at the Huntington Library December 26, 2015 through January 3, 2016. B.J. Ledyard, MSSC member, will again be volunteering at the event and Toy Sato may also participate.
- b. JoAnna Ritchey mentioned Mary Pat and Dick Webber, geologists speakers will be at MoRocks, 3rd Thursday of this month at their meeting. MoRocks meets in the basement of Methodist Church in Monrovia at Palm and Encinitas.

7. Adjournment

After a grateful acknowledgement to the Carters for the use of their home for the Board Meeting, the meeting adjourned at 3:07 p.m.

Respectfully submitted, Angie Guzman, Secretary

MSSC SPECIAL BOARD MEETING MINUTES of November 13, 2015

A Special Board Meeting was held after the regular Membership Meeting on November 13, 2015 at the Geology Department of PCC.

1. Call to Order:

The Special Board meeting was called to order at 8:55 p.m. by President Ann Meister. Present were Ann Meister, George Rossman, Angie Guzman, Jim Kusely, Bob Housley, Geoff Caplette, Pat Caplette and Leslie Ogg. We have a quorum.

2. MOTION:

Background: MSSC made a commitment to purchase 6' tables and give them to the San Bernardino County Museum to be used for the Pacific Micromount Conferences. The PMC chair, Al Wilkins, urgently requested the purchase be approved in preparation for the upcoming conference in January 2016. The funds allowed for the purchase were calculated based on ½ of the profit from the 2015 Pacific Micromount Conference. The San Bernardino County Museum portion for 2015 is \$998.00.

The following MOTION was made by Jim Kusely and seconded by Angie Guzman:

Motion: To approve the purchase, not to exceed \$998.00, for new 6' tables (\$630.63 as reported by Al Wilkins) and the balance (\$367.37) to be paid by check to the San Bernardino County Museum. The tables are to be delivered to the San Bernardino County Museum. The \$998.00 represents ½ the profit, San Bernardino County Museum's portion, from the 2015 Pacific Micromount Conference.

The vote was called and passed unanimously by Board members present.

3. Adjourned: The meeting adjourned at 9:03 p.m.

Respectfully submitted: Angie Guzman, Secretary

CFMS Directors Meeting: Visalia, CA, November 14, 2015

There were 54 Directors and 5 Officers in attendance.

The 2015 Show in Lodi, California, hosted by the CFMS Officers, did very well, earning a net income of \$17,805.89. Since there was not a host club, all the income went to the CFMS. In 2016 the CFMS Show will be in Placerville, hosted by El Dorado Gem & Mineral Society. This will be held in conjunction with the World Gold Panning Competition, so if you are planning to go it would be wise to make your reservations early (now is not too soon). They have established a web site, **eldoradogold2016.com** that has information. The 2017 Show will be hosted by Ventura Gem & Mineral Club and will be held at the Ventura Fair Grounds.

There were 6 entries to the All American Club at the AFMS level (Seven Regional Federations)--and both of the California entries won the Gold Prize with Pasadena Lapidary being Number One! The other club was Woodland Hills Rock Chippers.

The Earth Sciences Studies were sold out at both ZZZZX and Camp Paradise. If you are interested in attending in 2016, watch for the application in the spring for ZZZZX and fall for Camp Paradise at <http://www.cfmsinc.org>. Prices may go up because the owners of Camp Paradise increased the rent to the Earth Sciences Studies.

Dick Pankey is collecting cancelled stamps for the Easter Seals. The Easter Seals holds a big sale using all these stamps and more for stamp collectors. A very easy way to help the Easter Seals--just clip stamps as they come in and put them in a baggy, then give the to your Federation Director to take to the next Director's Meeting.

We have been hearing about the new National Monuments in the Mohave Desert. The areas essentially include all of Section 1 & 2 of Desert Gem Trails. If Congress passes the legislation, then Rockhounds will be permitted to go rock collecting. If the President makes these National Monuments by Executive Order, then there will be NO ROCK COLLECTING. We need to encourage Congress to pass the legislation.

One Director (I did not catch who) made the suggestion that should help your Nominating Committee. Each club officer should give a 5 minute talk before your regular program, describing their office, what they do, how long it takes, and what rewards they get out of it (knowing what is going on, feeling good, feeling useful, sense of accomplishment, etc.). Then when the Nominating Committee comes around, no one should be able to say they do not know what the office entails.

Respectively submitted: Jo Anna Ritchey, Federation Director

List of Upcoming MSSC Events : Mark your Calender!

Event	Date	Comments / Scheduled Program (if known)
Meeting Dates:	February 19, 2016	Bruce Carter... Title to be Announced
	March 11, 2016	Alan Rubin, UCLA Meteorite Museum; Hot Meteorites
	April 8, 2016	Tony & Sandy Fender; Mount St Helens
	May 13, 2016	Martha House: Micro Minerals
Annual Banquet	January 9, 2016	George Rossman... The Many Species of Silica
Micro Conference	January 29-31 2016	San Bernardino County Museum, Redlands, CA
Board Meeting	March 6, 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.

CFMS Scholarship Honoree

Jo Anna Ritchey from the Monrovia Rockhounds has been chosen as the new Scholarship Honoree of the California Federation of Mineralogical Societies. Louisa Carey, Scholarship Chairman made the announcement at the fall CFMS meeting at Visalia. This is a tremendous honor for Jo Anna who has been an active member of the Monrovia Rockhounds for over 20 years and has held almost every office in the club. Jo Anna has also held offices and been evolved in the CFMS Federation and served as past President in 2002. As a recipient of this

honor, Jo Anna will have the privilege to choose a college and coordinate with the school to award a student studying Earth Science a \$2,000.00 scholarship.

The Mineralogical Society of Southern California
Proudly Presents the 50th Pacific Micromount Conference
January 29 and 30, 2016 at the
San Bernardino County Museum
2024 Orange Tree Lane, Redlands, CA

FRIDAY, JANUARY 29

3:00-6:00 PM On-site REGISTRATION, greeting friends and microscope time

SALES TABLES open

6:00-7:00 Famous POTLUCK BUFFET Dinner

7:00-8:00 PM Herwig Pelckmans

"The Minerals of Belgium"

CONTRIBUTED TALKS AND MEMBER PHOTOS

SATURDAY, JANUARY 30

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 – Dr. Henry Barwood

"Minerals of Indian Mountain, Cherokee Co Alabama"

NOON LUNCH. Subway sandwiches served at Museum. (No cost)

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

3:15 PM – Paul Adams

"Some Other Mineral Localities in Nevada"

6:00 PM BUFFET DINNER Served at Museum.

7:00 PM

CONTRIBUTED TALKS AND MEMBER PHOTOS

SUNDAY, February 1

Field Trip to a site to be determined

Friday night Potluck –Please bring an hors d'oeuvre, salad, hot dish, dessert, etc.

Saturday lunch – Subway sandwiches (No cost to attendees.)

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

(See Registration form.)

Registration Fee is \$15.00 before Conference, 20.00 at door.

Conference Guidelines

Now is a very good time to make your advance registration for the 2016 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**

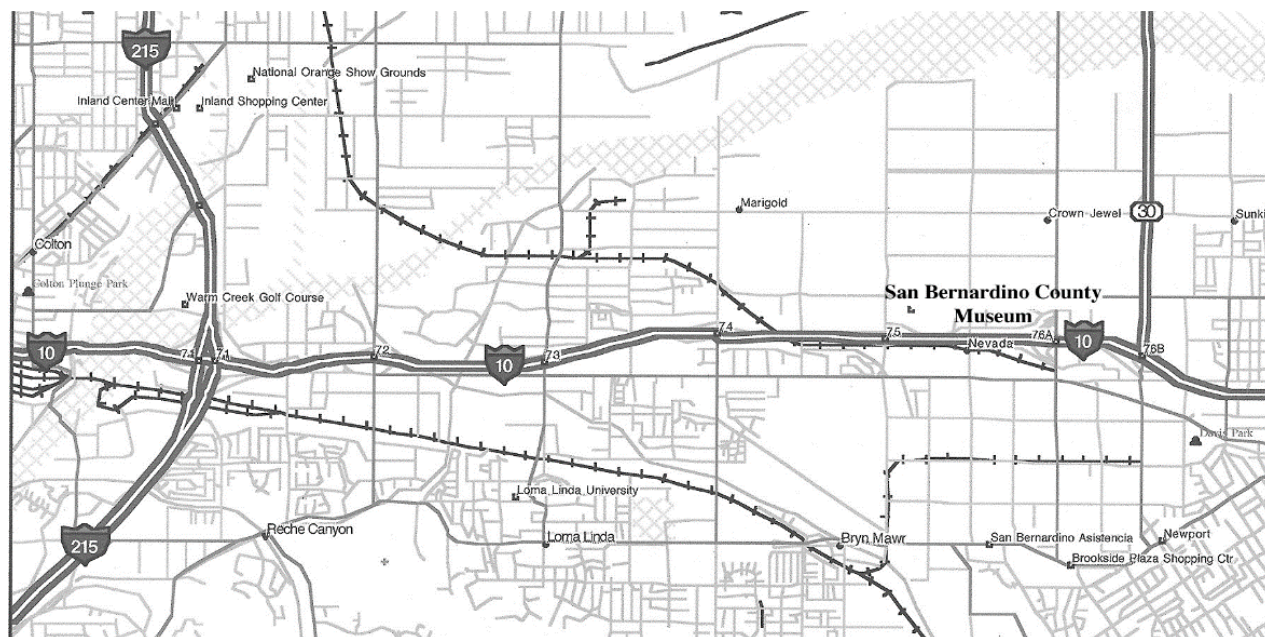
**Good Nite Inn, 1675 Industrial Park Ave.,
Redlands (Alabama off-ramp)
909-793-3723**

**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.)



**The Micro Mount Conference “Advance Registration Form”
is at the end of this bulletin for your convenience.**

Featured Mineral: Duftite

Formula: $\text{PbCu}(\text{AsO}_4)(\text{OH})$,

Crystal System: Orthorhombic

Color: Olive-green, grey-green; light apple-green in transmitted light.

Hardness: $4\frac{1}{2}$

Member of: [Adelite-Descloizite Group](#)

Name: Named by Otto Pufahl in 1920 for Gustav Bernhard Duft [b. 1859 Clausthal, Germany - 1924?], second General Manager of the Tsumcor Mine (Tsumeb Mine), Namibia (~1906), but Duft was active in Namibia as early as 1892. Guillemin (1956) distinguished two kinds of duftite: "duftite- α " = duftite (space group Pnam) and (Ca-bearing) "duftite- β " = duftite (space group P212121).



irocks.com photo

Duftite : $\text{PbCu}(\text{AsO}_4)(\text{OH})$,

Cerussite : PbCO_3

Locality: [Tsumeb Mine,](#)
[Tsumeb, Otjikoto Region,](#)
[Namibia](#)

2.8 cm x 2.6 cm x 2 cm



irocks.com photo

Duftite : $\text{PbCu}(\text{AsO}_4)(\text{OH})$,

Calcite : CaCO_3

Locality: [Tsumeb Mine, Tsumeb,](#)
[Otjikoto Region, Namibia](#)

5.9 cm x 4.1 cm x 2.5 cm



irocks.com photo

Duftite : $\text{PbCu}(\text{AsO}_4)(\text{OH})$,

Calcite : CaCO_3

Locality: Tsumeb

5 cm x 3.2 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 ~ SPRING **GEM & MINERAL SHOW**

MAY 13 - 15, 2016

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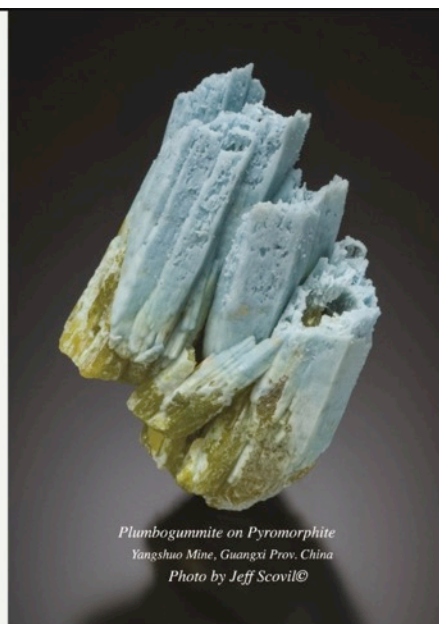
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*Plumbogummite on Pyromorphite
Yangshuo Mine, Guangxi Prov. China
Photo by Jeff Scovil©*

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 2015

December 5 - 6: BARSTOW, CA

Mojave Desert Gem & Mineral Society
Cora Harper Community Center
841 S. Barstow Road
Hours: 10 - 5 daily
Website: www.mdgms.net

December 5 - 6: LAKESIDE, CA

El Cajon Valley Gem & Mineral Society
Lakeside Rodeo Grounds
12584 Maplevue Street
Hours: Sat 9 - 5; Sun 9 - 4
Website: www.ecvgms.com

December 12 - 13: RIALTO, CA

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

JANUARY, 2016

January 16 - 17: EXETER, CA

Tule Gem & Mineral Society, Visalia
Exeter Veterans' Memorial Building
324 N. Kaweah Avenue
Hours: Sat 10 - 5; Sun 10 - 4
Website: www.tulegem.com

FEBRUARY, 2016

February 12 - 21: INDIO, CA

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

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		
2013--2014	Bruce Carter	
2013--2014	Bob Housley	
2013--2014	Leslie Ogg	
2014-2015	Pat Caplette	
2014-2015	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

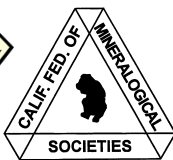
Website: www.mineralsocal.org **The Mineralogical Society of California, Inc.**

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

To:



**With Knowledge Comes
Appreciation**

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

Advance Registration Form

PACIFIC MICROMOUNT CONFERENCE

January 29, 30, 2015 (Field Trip on Sunday, January 31)

Registration \$15.00 per person by mail, \$20.00 at the door

No. of people _____

Amount \$ _____

Names & Home Towns

e-mail address

Friday Night Potluck Dinner

Bring your appetizer, salad, main dish, or dessert for an old-fashioned Potluck dinner. Your contribution will assure the success of the Potluck! (We will have the use of the kitchen facilities.)

Saturday Lunch (No cost to participants)

Subway 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: _____
\$ _____

Amount

Field Trip on Sunday

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

Number of participants _____

Total Amount \$ _____

Send Payment to:
PMC Committee Secretary
Robert Housley
210 S Catalina Ave. #3
Pasadena CA 91106

Make check payable to MSSC

I plan on presenting a short contributed talk (___)

The topic will be: _____ Approximate length of time
