

# Bulletin of the Mineralogical Society of Southern California

Volume 91 Number 1 - January, 2018

*The 952<sup>nd</sup> meeting of the Mineralogical Society of Southern California*

*With Knowledge Comes Appreciation*

**MSSC Annual Banquet --- January 13<sup>th</sup>, 2018**

**Social Hour 5:30 pm: Dinner 6:30 pm: Program 7:30 pm**

**Oak Tree Room (next to Coco's)**

**1150 West Colorado Boulevard**

**Arcadia, CA 91007**

***Program : Not so Quick Trip through China ♦ and ♦ the 4th  
International Mindat Conference – Myanmar***

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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

**Dues are Due....Send them Today so you don't forget!**

# ***MSSC ANNUAL BANQUET & SILENT AUCTION***

**Saturday, January 13, 2018**

***The cost of the Banquet is \$40.00.per person***

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 10<sup>th</sup>, 2018**. Thereafter you will be responsible for paying \$40.00 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!**

[programs@mineralsocal.org](mailto:programs@mineralsocal.org)

*Mail Checks to:*

*MSSC*

*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 1/1/2018.***

## **About the Program: Not so Quick Trip through China the 4th International Mindat Conference – Myanmar** Presented by Bill Besse

Bill Besse has been a mineral collector since about 1971 when a college classmate suggested they go collecting. He eventually got an MS (Geology) from California State University Los Angeles. He worked over 20 years as manager for Rock Currier at Jewel Tunnel Imports. As member of the MSSC for many years, he held many positions, including: show chairman, Bulletin editor, and President. He was the original webmaster for the MSSC website, mineralsocal.org. Since 1997, he has been the Associate Cartographer for *Rocks & Minerals* magazine. He now resides near Tucson, Arizona.

In 2016, he and a few friends decided to go to the 4th International Mindat Conference in Myanmar (formerly Burma). Several gem mines were visited in the Mogok area. To get acclimatized to the change in time zones, the group decided to leave a few days before the conference. This turned into 12 days in China, visiting several mineral areas.

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### **From the Editor:**

I hope everyone enjoyed a safe and happy holiday season. While I enjoy the spirit of the season and the hustle and bustle, I think I'm also glad it's over for another year!

MSSC is starting a new year with a new President, Dr. George Rossman, and a new Vice President, Renee Kraus; the first officer change in seven years. Thank you Ann for your years of service and time given to MSSC. I do hope the rest of the membership will do all they can to help our new officers settle in to their positions and duties.

This also marks the start of my sixth year as your Bulletin Editor. For the last few years, around October, I swear it will be my last year as Editor...and then I just go on for another year! Fred & I have had some personal issues that made doing the Bulletin a real challenge during 2017. I've decided to do another year, but if anyone else is interested in becoming the Editor in the future, please, talk to me. Linda Elsnau

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## **SOME WORDS FROM OUR NEW PRESIDENT: Dr. George Rossman**

Minerals are what bring our society together. Minerals continue to play an important role in our everyday life including the source of many common materials, and components of the rapidly evolving world of technology. Synthetic materials based on minerals or common mineral structures allow us to keep time, to communicate by cell phone, and to turn on lasers to illuminate our world or conduct surgery. Biominerals are part of us and much of life on earth. Our quest for knowledge about minerals has escaped Earthly bounds and is active on Mars and other bodies in our solar system. And, don't forget the gem minerals: they sparkle.

Even though, for decades, we have known much about the chemistry, structure and properties of a few hundred of the most common minerals in rocks, we still live in exciting times as around one hundred new minerals are discovered each year (yes, most of the new ones are really tiny). Minerals announced in 2017 have come from outer space (e.g. Chenmingite,  $\text{FeCr}_2\text{O}_4$ ), from volcanic emissions (e.g. Axelite,  $\text{Na}_{14}\text{Cu}_7(\text{AsO}_4)_8\text{F}_2\text{Cl}_2$ , and from minute inclusions carried up from great depths in diamonds (e.g. Ice-VII,  $\text{H}_2\text{O}$ ). And, sometimes, they came from localities in southwestern USA associated with former mines (e.g. Dagenaisite,  $\text{Zn}_3\text{TeO}_6$ ). At the end of 2017 there were a few more than 5300 known minerals. How many are in your collection?

Our society is made up of many people, often with differing interests, but all involving minerals. Some of us collect in the field; a few actively mine for minerals, and some collect from catalogues. Some of us are interested in large crystals, and some in very small ones. Some of us fabricate items from minerals, some sell minerals, and some read about minerals. Some of us describe new minerals; some study old minerals. Hopefully, we can make our society stronger if many of us do a few things to help the society as opposed to a few of us doing many things. Please join us for the MSSC banquet in January.

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## **MINUTES OF THE DECEMBER 8, 2017 MEETING**

On Friday, December 8, 2017, the **951<sup>st</sup> Membership Meeting** of the Mineralogical Society of Southern California (MSSC) was called to order at 7:32 p.m. by President Ann Meister. Ann welcomed all and asked if there were any guests. Carla attended as guest of new member Nicole Koga. Ann made an announcement about the current Southern California wild fires. Jim Kusely said he was on the evacuation list until about ½ hour ago! She cautions us to be aware and prepared. Ann suggests that you make a donation to favorite charity to help with fires, i.e., Salvation Army, or your choice. All are appreciated.

### **Regular Business**

**Minutes:** Ann Meister asked for any corrections or additions to the MINUTES of the November 2017 Minutes as posted in the December 2017 *Bulletin*. Ann asked if there were any corrections or additions and hearing none, called for a motion to approve the corrected Minutes for the November 2017 Membership Meeting. The Motion was made by Laura Davis and seconded by Rudy Lopez.

**Bulletin** Editor Linda Elsnau sends the following message: The *Bulletin* submissions deadline is December 22, 2017. Your article contributions are well appreciated. Extra copies are available up front for those who want them.

**Jewel Tunnel Imports (JTI) Open House** is Saturday, December 2, 2017, from 10 am to 4 pm, however, there is an alternative date, (December 9, 2017). In any case, please let Ann Meister know if you will be going and on which date.

**Next Membership Meeting** will be the Annual Installation Banquet on January 13, 2018 in the Oak Tree Banquet Room at Coco's on Colorado (Arcadia). The **new officers** will be installed for the coming year (Ann will administer the Oath of Office). The event cost is \$40 per person. Social hour starts at 5:30pm, dinner at 6:30pm and Speaker (Bill Besse, former MSSC member) who will speak on his recent trip to China and Burma at 7:30pm. Bring your Silent Auction donations and your checkbook! Contact Rudy Lopez for additional information and be sure to check the *Bulletin* for updates!

**Pacific Micromount Conference (PMC)** will be held in the Fallbrook Museum on January 26, 27 and 28, 2018. Check the *Bulletin* for information or contact Bob Housley to register. The Lilac fire is south of the museum, but we should be safe by time of the conference.

The **next BOARD Meeting** will be March 25, 2018 at Bruce and Kathy Carter's.

### Announcements

- **Von Kármán lecture** will be December 14 and 15<sup>th</sup> at JPL and PCC respectively.
- The **Annual Suiseki Exhibit** at the Huntington Library will be 12/26-12/30 10am-5pm. MSSC member, B.J Ledyard, is again one of the exhibitors.

### Show & Tell

Marek Chorazewicz brought in some green and blue rocks from the Blue Bell Mine, diopside and chrysocolla. You can still collect there but can be tough to find specimens.

Jerry Wendt brought a copper mineral he found, and another member found some Jasper while on a hunting trip. All samples were passed around or can be looked at while we have refreshments after the meeting.

### Program Chair – Rudy Lopez

Announcements: Regarding our Banquet (Jan 13, 2018!!), so far 12 people have signed up. Rudy says he needs to know how many will attend so he can firm up the reservation with Coco's. Send money with your reservation. Check the *Bulletin* for particulars

Tonight's speaker is Dr. Eric Scerri, a chemist, teacher and author. He was educated at the Universities of London, Cambridge and Southampton. He did postdoctoral fellowships at the London School of Economics and Caltech. He began teaching chemistry at UCLA in 2000. Dr. Scerri is a prolific author of books focusing on the Periodic Table and its history. He has also published in professional journals and popular magazines, including *Scientific American*. He has been on radio and television, he frequently lectures in countries around the world and has received many honors and awards for his work.

### **The Periodic Table, Its Story & Its Significance**, Presented by Dr. Eric Scerri

Dr. Scerri begins by telling us that when he returned from England, he lived in Pasadena and is still learning the language. But, onward: A unique moment in the history of the Periodic Table (PT) was when the 4 remaining unnamed elements were given names:

Uut (113) Nh Nihonium,	Uus (117) Ts Tennessine
UuP (115) Mc Muscovium,	UuO (118) Og Oganesson

There are currently 5,213 known minerals. How are the elements related to each other? It seems to be a natural relationship. The source of the Periodic Table (PT) is quantum mechanics and relative theory. 26 elements have been artificially synthesized.

In *A Tale of 7 Elements* (E Scerri), Pa Hf Tc Fr At Pm Re, are 7 exotic elements that remained undiscovered until after 1913. These elements are: protactinium (91, Pa), hafnium (72, Hf), rhenium (75, Re), technetium (43, Tc), francium (87, Fr), astatine (89, Ac) and promethium (61, Pm). Four of the seven elements were discovered by women.

Several artists have used the PT to advance their art. For instance, in 2002 Blair Bradshaw created several periodic table art pieces. Other artists have used desserts, guitarists, poetry, jazz and many other subjects in their art tables. Dr. Scerri mentioned the mineral museum in Peru, periodic table of Earth and Sky and others still.

In the early days, scientists tried to structure known elements in some sort of order. Periodic tables came in all shapes and sizes: spiral forms, crude drawings of clock tables, other curved tables, rectangular, square, lists and the like. Still today, there is debate as to placement for H, He, La, Ac, Lu and Lr. And, look on YouTube;

you'll see 270,000 possible results to view! The periodic table is still vital, still useful. For instance, elements in columns behave in a similar way. 2019 will celebrate 100 years of the periodic table!

Historically, in 1808, John Dalton (Manchester, England) used relative weights to order the chaos. Wolfgang Dobereiner suggested a relationship between properties of elements and their atomic weight. In 1820 his Dobereiner's Law of Triads says that the atomic weight of the middle element is the same average of the atomic weights of other two elements. For example, elements with their atomic *weights*:

Li	6.94	6.94
<b>Na</b>	<b>22.99</b>	
K	39.1	<u>39.1</u>
		$46.04 / 2 = \mathbf{23.02} = \text{approximately Na}$

This and other triads showed approximate relationship. Interest eventually was lost in triads. Atomic *number* is more the accepted way rather than atomic weight because it is more accurate. For example, these elements and their atomic weights:

Cl	17	17
<b>Br</b>	<b>35</b>	
I	53	<u>53</u>
		$70 / 2 = \mathbf{35}$ , same as Bromine

Around this time, William Prout (Prout's Hypothesis) said that all *atomic weights* are whole number multiples of the atomic weight of Hydrogen. Karl Popper worked on his *Philosophy of Sciences*, citing all atoms are composites of Hydrogen. In 1860, Italy's Cannizzaro, remembered for his deliberations at the Karlsruhe Congress, opened the door to discovery of a *clean cut periodic table*. In 1865, English scientist J. Newland's *Law of Octaves* proposed that elements should be arranged according to increasing atomic weight and those with similar chemical and physical properties occur after each interval of seven elements.

Five years after Newland, Dmitri Mendeleev published his theory and periodic table. In 1869 the Russian chemist arranged elements in order of *relative atomic mass*. He did so with elements grouped with similar properties that fell into vertical columns. Part of Mendeleev's periodic table shows rows (1,2,3,4...) and columns (Group I, Group II, Group III...):

Row	Group I	Group II	Group III
1	H		
2	Li	Be	B
3	Na	Mg	Al

This arrangement provided a better understanding of structure of atoms and sub-atomic particles they contain. Importantly, he left gaps for elements he felt would soon be discovered based on periodic trends. Mendeleev is credited with the periodic table, in spite of the discoveries and innovations by the other researchers and scientists mentioned above. In fact, in 1883 he was awarded the "Award of Davy" medal for his "Periodic System of the Elements".

Others came after Mendeleev. Ramsey in 1894 (mono-atomic, diatomic or other?): unreactive gasses, such as helium, neon, krypton and xenon got their own column on the right side of the periodic table. Physics invades the Periodic Table! Examples are X-rays, radioactivity, electrons, structure of the atom and more!

Niels Bohrs' quantum theory in structure of the atom – electron shells; Wolfgang Pauli's exclusion principle using quantum mechanics and quantum space; Schrodinger equation deals with energy levels; In 1927, Fritz Haber's periodic table resembled a race track with several oval tracks laid inside each other; Einstein's Relative Quantum Mechanics. All of these great scientists contributed to the periodic table through the years.

What is the optimal Periodic Table? Charles Janet's left step table (1929) may be the one, but there are disadvantages, no open spaces for new elements and metals and non-metals run together. "Realism reflects real objects while anti-realist, human made, is not too popular."

Does moving Hydrogen create a new problem? Should the focus be on electrons or do we move Helium? In these ways, are we creating a new triad?

Wow! This historical look at the Periodic Table is fascinating. Dr. Scerri was gracious to take several questions from the audience. Thanks to Dr. Scerri for his interesting presentation. Your photos and graphics were wonderful.

### **Door Prize Drawing**

The door prize drawing was won by Rudy Lopez who offered the prize to guest Carla. Congratulations, Carla! Come again soon.

**Adjournment:** The meeting was adjourned at 8:55pm. Everyone enjoyed refreshments and more conversation in the break room.

Secretary's Message: I encourage you to attend the Annual Installation Banquet and any future membership meetings. *We have great presenters* who offer wonderful topics. As usual, there was more information presented than I could possibly provide here. Come to the meetings, hear for yourself. You won't regret it!

On a personal level, I want to thank Ann Meister for serving as President for the past seven years. I also wish to thank Dr. George Rossman for stepping up as our newly elected President, to Renee Kraus for being willing to run as Vice President (she won!), to all the Officers, Directors and Committee Chairs for their hard work in the past year and in the new year ahead and, to Dr. Bruce and Mrs. Kathy Carter for their generous contribution of the use of their home for MSSC Board meetings and the Annual Picnic. Special Thank You to you, the members, who love minerals and, that makes it all the more worthwhile! Happy holidays , Happy New Year 2018!

Respectfully submitted by Angela Guzman, MSSC Secretary (*Advance apologies for misspelled names, elements and/or other words.*) ☺ Happy Holidays!

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## **MSSC BOARD MEETING MINUTES, DECEMBER 3, 2017**

### **1. Call to Order and Roll Call**

The meeting was called to order at 1:08 p.m. by President Ann Meister. The following Officers, Directors and Committee Chairs were present: Ann Meister, George Rossman, Jim Kusely, Angela Guzman, Bruce Carter, Jo Anna Ritchey, Pat Caplette, Bob Housley, Leslie Ogg, Pat Stevens, Linda Elsnau and Rudy Lopez. The following were excused: Geoff Caplette, Cheryl Lopez and Al Wilkins. Also in attendance was Fred Elsnau. We offer our sympathies and condolences to Geoff Caplette on the loss of his Mother.

**2. Read and approve Minutes of the September 10, 2017 Board Meeting** as published in the October 2017 *Bulletin*: President Meister asked for corrections/additions to the Minutes and hearing none accepted a motion from Angela Guzman and second from Leslie Ogg to approve the minutes as written and published. There was no further discussion. The vote was taken and the motion to approve the Minutes passed unanimously.

### **3. Old Business & Committee Reports:**

#### 3.1 President Report (Ann Meister):

- (a) Effective date for newly elected officers is January 1, 2018;
- (b) Ann advised *Bulletin* Editor Linda Elsnau that she, Ann, will continue to contribute "special events" items for our publication;
- (c) Ann also announced she will administer the Oath of Office to the newly elected officers at the Banquet in January 2018;
- (d) Ann will do an outgoing "Meanderings" while Dr. George Rossman, new President-elect will write up an incoming article for the next *Bulletin*.

#### 3.2 Treasurer's Report (Jim Kusely):

- (a) Issues with Merrill Lynch with deposits made that were returned: we now have “priority client” status and according to the latest statement, our balance is \$16,700. There are no more problems at Merrill according to contact “Brenda”;
- (b) There were problems with the insurance, but after numerous communications, things are all ok now regarding our 2 policies. We are good through October 2018;
- (c) We need a 3<sup>rd</sup> signatory, aside from Treasurer and Secretary. Ann spoke with member Ahni Dodge, who agreed to be the “Backup Treasurer”, 3<sup>rd</sup> signer. There was discussion on the matter followed by consensus for Ahni to be the 3<sup>rd</sup> signer;
- (d) It was mentioned that we don’t do anything regarding the Global Income Fund until 2018. The management fee is \$150/year for our account, however;
- (e) Jim suggested that MSSC join up with Monrovia Rockhounds to share the expense to attend CFMS convention. The expense comes to about \$1,000 per conference. JoAnna Ritchey, CFMS Director and a MoRocks member, reports the Monrovia club will be folding sometime after their March show. Ann said she will reach out to Monrovia members requesting they join MSSC;
- (f) Discussion about clubs, shows and membership numbers. Dr. Rossman wanted to know how clubs were doing regarding membership numbers. Jim suggested to check the CFMS website [www.cfmsinc.org] which lists clubs in California, Arizona and Nevada.

### 3.3 Federation Director Report (JoAnna Ritchey):

JoAnna did not attend the CFMS conference in Visalia but asked fellow CFMS representative Marsha Goetz to take notes and report back. JoAnna’s report is pending, but, she will write a report for the *Bulletin* once she’s heard from Ms. Goetz.

### 3.4 Membership Chair Report (Cheryl Lopez-out ill):

The Membership report was given by Rudy Lopez. There are 8 renewals and 4 pre-pays from last year with 20 total memberships. Rudy turned over the payments to the Treasurer. Jim states that Life Member Moeller donated \$100 this year. Membership is \$20 individual and \$30 Family and, the Banquet is \$40 each.

### 3.5 *Bulletin* Editor Report (Linda Elsnau):

- (a) Linda reports that there are 7 snail-mail (3 without e-mail) and 12 printed *Bulletins* monthly. The remaining *Bulletins* are sent via e-mail. Our postage is minimal and the printing cost is \$100 for the last 6 months;
- (b) All articles are welcome and the photos of events and speakers (i.e. Bruce’s Mineral Museum Tour) are great. Thanks to Rudy and Angie for great pictures;
- (c) Regarding the Himalaya Mine article, permission will probably not be granted so for us, it’s nowhere at this time.

### 3.6 Webmaster Report (Leslie Ogg):

Leslie reports that there are 600 search engine views including 40 CFMS views and 35 from American Federation. The searches are from the US, Canada, Germany, China and Australia. On Facebook, we have 109 Facebook “Likes” with 112 followers. Also, we don’t owe anything but may have a cost in 2018.

Jim Kusely mentioned he noticed on the CFMS website that there is a contest for (best) Bulletin and Website. Discussion followed regarding judging sheet (program code), investigating this avenue to advance MSSC’s status among collectors, our *Bulletin* is unique but is not a fit for CFMS.

Rudy mentioned that Cheryl just finished mineral school project with her students. He wanted to know if it is something appropriate for the website. Yes! Linda asked if Cheryl could write an article for the *Bulletin*. Rudy said he will ask her.

Ann said she received an e-mail from someone who is involved in education, had heard about MSSC and contacted her. Ann said Boy Scouts and Girl Scouts groups involvement is also a good thing.

Ann said she is working, as time allows, on a history of the society for the website.

### 3.7 Program Chair/Field Trip Report (Rudy Lopez):

- (a) 4<sup>th</sup> Annual Nature Fest will be March 2018 at the Museum of Natural History in Los Angeles;
- (b) We have been invited to participate in 4 events for the Cooper Center in Orange County in 2018;
- (c) The Installation Banquet is January 13, 2018, so far only 6 confirmations for the event, but, people usually wait until the last minute; don't forget your donations for the Silent Auction, our major fundraiser. Rudy offered to pick up donations and bag them if necessary. Also, it was decided that the Donation Box is ok to be set up at the banquet; Bill Besse will speak about his trip to China at the banquet.
- (d) Speakers are scheduled through June 2018. Ann suggested Alfredo Petrov, who spoke to MoRocks, as a possible speaker for us. His topic is "Minerals from Burning Mines and Rotting Pyrite".

==**Break**== Thanks to Bruce and Kathy for the coffee and goodies...yum!

Angie stated that Pasadena City College's Geology study room 210 is undergoing change. All of the display specimens have been removed, the posters have been taken down from the walls. I did not go into the back room where our coffee pot and specimen box are kept. And, a great big thank you to Bruce for the wonderful Mineral Museum tour. Ann asked Bruce if he would find out about our items and to find out if the break room (Rm. 210) will be available in time for the next MSSC meeting. He said he would check with the school and report back to us.

### 3.8 PMC Chair Report (Bob Housley/Al Wilkins)

Micromount Conference update:

- 1) A/V up to date at Fallbrook site;
- 2) The room should accommodate all attendees;
- 3) We were lucky to find the site at this late date;
- 4) Regarding a rental fee, we can donate whatever we want;
- 5) Marek Chorazewicz has, just in case, other possible spots in Thousand Oaks (Orchard Park, Thousand Oaks Library);
- 6) The Field Trip is undecided but possible sites are Pala Chief, Oceanview, Pacific Silica Quarry (walk to collection site) or Copper Mountain Mine (wulfenite, native gold, etc.) in Twenty-Nine Palms;
- 7) Food restaurants are nearby for meals (need list) but the site will have coffee and snacks. There is no kitchen. Food committee should coordinate with Janice at Fallbrook;
- 8) Paul Adams' CD sales will take place. Rudy has 32 CDs. There will be no advertising, however, for the CD. [Proceeds go to MSSC];
- 9) Rudy asked about our T-shirt sales=ok (members, please wear your Tee), Use table covers for the \$1.00 table and registration=ok. Ann mentioned the cylindrite from Dale Harwood and said she received 2 more small boxes of specimens from him for the PMC sales table. Ann said she will go through them for the sales table. Anyone who has micros that they want to donate, we'll take them

## 4. New Business

4.1 There are many artifacts, historical files, proclamations, etc. that belong to the Society. They need to be centralized, put in order and housed someplace. Ann said she would consider being Historian, but we still need a permanent place to display them. Discussion followed included Pasadena Historical Society, (Wayne Light) Dana Magazine, Crestmore field trip large photo, original Incorporation paperwork (Jim has copies), trophies, notebook of old field trips (Bob has it), Frank now in New York, has information on MSSC field trips, Mindat and other items. We need to collect our history! Ann appointed herself Historian.

Ann received correspondence/solicitation from California State Mining and Mineral Museum Association, CSMMMA, for membership. For a \$1.00 per member dues each member gets a museum pass. The museum is in Mariposa. After discussion, there was NO ACTION taken. Jim said he will check it out and suggested we table until the next meeting.



Linda Elsnau mentioned a member in Alaska became a member to get the *Bulletin*. He heard about us at the Denver show and they, whomever he spoke with, suggested he join our club. We have a great *Bulletin*. Linda said she was curious as to why he'd join if he couldn't attend meetings. Linda said it's because of Angie's Excellent Minutes. [Wow, thanks!]

5. Next Meeting

The next Board Meeting will be March 25, 2018 at Carter residence.

→ Pat Stevens suggested that the MoRocks members may be interested in joining MSSC. JoAnna will invite them to our next Membership Meeting.

→ General Discussions including Tucson Show and our February Membership Meeting.

6. **Adjourn:** The meeting was adjourned at 3:10 pm.

Thank you to Bruce and Kathy for the hospitality. Thanks to all who attended today.

Respectfully submitted by Angela Guzman, Secretary

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**List of Upcoming MSSC Events :** Mark your Calender!

Event	Date	Comments / Scheduled Program (if known)
<b>Meeting Dates:</b>	February 16, 2018	Larry & Leslie - Opals Part 2
	March 9, 2018	Walton Wright: Continental Drift/ Plate Tectonics
	April 13, 2018	Pete Goetz: American Opal Society
	May 11, 2018	To Be Announced
<b>Annual Banquet</b>	January 13, 2018	Bill Besse: A Not So Quick Trip through China
<b>Board Meeting</b>	March 25, 2018	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.*

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**Meanderings from The Past President & Newly Appointed Historian:** by Ann Meister

HAPPY NEW YEAR everyone and WELCOME PRESIDENT GEORGE! As stipulated in the MSSC Bylaws, his term begins on January 1 though he will be officially installed at the Annual Installation Banquet on January 13. I hope you all provide him the same cooperation and assistance that you provided to me. He is already working on some good ideas for activities. My New Year's resolution is to be of assistance to George and the MSSC in whatever way is needed. I kept the MSSC going for seven years. Let's see if we as a Society have a new burst of energy, since mine is fading.

Be that as it may, in a moment of indiscretion and weakness at the last Board meeting, I volunteered to be the MSSC Historian and to try to reconstruct the MSSC history files. If you have anything, please let me know. George brought me some stuff that had been placed at Caltech by H. Stanton Hill when he was curator of their mineral collection. Stan was a Charter Member of MSSC and professor of geology and mineralogy at PCC. This stash of goodies includes banquet programs, award ribbons, membership cards, and certificates of appreciation. Interesting, the annual dues doubled between 1932 and 1950 from \$1.00 to \$2.00. Or perhaps \$2.00 was a family rate. There's a notecard written by Stan with his first membership card from June 1932 (signed by President John A. Renshaw and Secretary E. Van Amringe) that says:

“For several years membership numbers were given, ultimately in order of joining. Franklin S. McIntosh at that time living in Pennsylvania was given #1. John Renshaw probably had #2. E.V. Van Amringe #3, perhaps David Scott was #4, and I had #5. [S. Hill]”

In 1953, Stan Hill received an Honorary Member card with signatures of President J.B. Powell and Secretary Peggy Powell. (We had several husband and wife teams in those jobs in those years.) Later cards show him as an Honorary Life Member and Charter Member.

A banquet ticket for the 25th Silver Anniversary Meeting in June 1956 was \$2.00! In January 1971, a prime rib dinner at the Ramada Inn was \$5.50. Compare that with the \$40 we are paying in January 2018, and I guess we can figure out inflation rates over the past 47 years. In the banquet program for the 30th Anniversary (and 300th meeting) on June 10, 1961, President Bob Brewer wrote a “Greetings!!” message that ends with an enthusiastic, “LONG LIVE M.S.S.C.!!!” For the banquet, the Decorations Committee made table favors of oyster shells with a pearl glued in and “**MSSC 30**” stenciled on the shell. For me, this a fun walk down memory lane as I peruse these gems. I will have some of the historical items on display at the Annual Installation Banquet. I hope to see all of you there. **And bring lots of goodies for the Silent Auction.**

### **OTHER (FREE) THINGS TO DO...**

The **UCLA Meteorite Gallery** is having an event on Sunday, **January 14** starting at 1 PM. According to John Wasson, “It will be a show and tell in which we show and discuss some beautiful and important new additions to the Gallery. One of these is a new lunar meteorite “a lunar-highlands breccia” that includes several large angular fragments with different colors (shades of gray) and textures. It is similar to some samples returned from the Moon by the Apollo 16 astronauts. That morning our Advisory Committee will meet, and the members will also stay around during the afternoon to show some of their meteorites, old manuscripts, and meteorite-related art.”

The **Watson Lecture** at Caltech’s Beckman Auditorium is on Wednesday, **January 17** at 8 PM. Andrei Faraon presents “Flat Metasurface Optics.” For hundreds of years, most optical elements like lenses and polarizers have been fabricated using carefully polished pieces of glass or crystals, and assembled in optical systems such as cameras and microscopes. In this talk, Faraon will discuss how nano-technology enables new ways to make optical components using fabrication processes already developed in the semiconductor industry. These nano-patterned structures, named optical metasurfaces, allow for extreme miniaturization of optical systems with applications in consumer electronics and medical devices.

The **Von Kármán Lecture** on Thursday/Friday\* **January 25 and 26** is titled, “Explorer 1's 60th Anniversary: A Celebration of Six Decades of Earth Science Discoveries.” This will be a panel discussion led by documentarian and JPL Fellow Blaine Baggett. Explorer I marked the start of the Space Age for the U.S., and for the world it heralded the study of Earth from space. The JPL built satellite confirmed the existence of the Van Allen radiation belts, the very first space science discovery. Explorer 1's success was only the first of an array of Earth missions that have mapped and probed our planet's lands, waters and atmosphere on scales ranging from the millimeter to global views. \*Thursday is at the Von Kármán Auditorium at JPL and Friday is at the Vosloh Forum at PCC. Start time is 7 PM.

\*\*\*\*\*

### **CFMS Director's Meeting, November 11, 2017 in Visalia, CA** Jo Anna Ritchey, CFMS Director

There were 52 clubs represented along with most chairman and five officers. All clubs are in good standing.

The Nominations for 2018:

- President: Jennifer Haley
- 1<sup>st</sup> Vice President: Tony Fender
- 2<sup>nd</sup> Vice President: Marcia Goetz
- Treasurer: Juanita Pardum (Al Bolshazy resigned due to health reasons)
- Secretary: Ellen Ferrel

No Society has stepped forward to host the 2018 CFMS Show.

John Martin has digitized 2000 files of CFMS Historical Records, mostly pictures. He has also digitized 1,672 35mm slides from the CFMS Slide Library—which was a lot of work as each slide has to be blown up and then cleaned up. Eventually all this information will be put in cloud storage

The updated Officers and Chairmen’s Manual will be posted in January to the web site.

Fred Ott announced he is going to step down from being Chairman of the Insurance Committee and Mark Nelson will be taking the position.

Mark Nelson stated the Safe Practices Guide is nearly finished. We have a draft and the Executive Committee would like it reviewed again. Ten clubs will review the draft and then it will be posted as a draft on the CFMS website. We encourage other clubs to review it as well.

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# Membership Dues are Due !

## Ride Share Listing

### Can You Provide A Ride?

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

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

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

\*\*\*\*\*

## WEST COAST GEM & MINERAL SHOW

### May 18 - 20, 2018

*Minerals ♦ Fossils*

*Gemstones ♦ Jewelry*

*Meteorites ♦ Beads*

*Decorator Items*

*Lapidary*

*Metaphysical*



Epidote on Calcite  
Eldorado Cr., CA  
Photo by Jeff Scott/IC

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*FREE Parking*

*Open to the Public*

*Wholesale section*

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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	
<p>In addition, any advertiser who purchases 12 months of space in advance will receive a discount of 12 months for the price of 10 months. The copy for the ads should be mailed to the editor at <a href="mailto:bulletin@mineralsocal.org">bulletin@mineralsocal.org</a> and the payment should be sent to the <b>MSSC Treasurer 1855 Idlewood Road, Glendale, CA 91202</b></p>			

\*\*\*\*\*

### Calendar of Events:

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

#### JANUARY 2018

##### January 20 - 21: 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](http://www.tulegem.com)

#### FEBRUARY

##### February 16 - 25: INDIO, CA

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

#### MARCH

##### March 2 - 11, IMPERIAL, CA

Imperial Valley Gem & Mineral Society  
 California Mid-Winter Fair & Fiesta  
 200 East Second Street  
 Hours: Weekends noon - 10 pm;  
 Weekdays 4 pm - 10 pm  
 Website: [www.ivgms.org](http://www.ivgms.org) [Show Page](#)

##### March 3 - 4: ARCADIA, CA

Monrovia Rockhounds  
 L. A. County Arboretum & Botanical Garden  
 301 North Baldwin Avenue  
 Hours: 9:00 - 4:30 daily  
 Website: [www.moroks.com](http://www.moroks.com)

##### March 3 - 4: TORRANCE, CA

South Bay Lapidary & Mineral Society  
 Ken Miller Recreation Center  
 3341 Torrance Blvd (entrance on Madrona)  
 Hours: Sat. 10 - 5; Sun. 10 - 4  
 Website: [southbaylapidaryandmineralsociety.com](http://southbaylapidaryandmineralsociety.com)  
[Show Page](#)

##### March 3 - 4: VENTURA, CA

Ventura Gem & Mineral Society  
 Ventura County Fairgrounds  
 10 West Harbor Blvd.  
 Hours: Sat 10 - 5; Sun 10 - 4  
 Website: [www.vgms.org](http://www.vgms.org) [Show Page](#)

##### March 10 - 11: SAN MARINO, CA

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

*Have a Safe & Happy New Year*

**2017 MSSC Officers:**

<b>OFFICERS</b>		
President	George Rossman	<a href="mailto:president@mineralsocal.org">president@mineralsocal.org</a>
Vice President	Renee Kraus	<a href="mailto:vicepresident@mineralsocal.org">vicepresident@mineralsocal.org</a>
Secretary	Angie Guzman	<a href="mailto:secretary@mineralsocal.org">secretary@mineralsocal.org</a>
Treasurer	Jim Kusely	<a href="mailto:treasurer@mineralsocal.org">treasurer@mineralsocal.org</a>
CFMS Director	Jo Anna Ritchey	
Past President	Ann Meister	
<b>DIRECTORS</b>		
2016--2018	Bruce Carter	
2016--2018	Bob Housley	
2016--2018	Leslie Ogg	
2018-2019	Pat Caplette	
2018-2019	Pat Stevens	
<b>COMMITTEE CHAIRS</b>		
Bulletin Editor	Linda Elsnau	<a href="mailto:bulletin@mineralsocal.org">bulletin@mineralsocal.org</a>
Hospitality	Laura Davis	
Membership	Cheryl Lopez	<a href="mailto:membership@mineralsocal.org">membership@mineralsocal.org</a>
Micro Mount Conf. Chairman	Al Wilkins	
Program and Education	Rudy Lopez	<a href="mailto:programs@mineralsocal.org">programs@mineralsocal.org</a>
Publicity	Linda Elsnau	<a href="mailto:bulletin@mineralsocal.org">bulletin@mineralsocal.org</a>
Webmaster	Leslie Ogg	<a href="mailto:webmaster@mineralsocal.org">webmaster@mineralsocal.org</a>

**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](mailto:treasurer@mineralsocal.org)

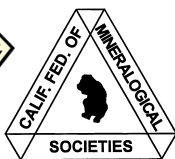
**Website:** [www.mineralsocal.org](http://www.mineralsocal.org) **The Mineralogical Society of California, Inc.**

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To:



**With Knowledge Comes  
Appreciation**

**Your MSSC  
Bulletin Is  
Here!**