

## Bulletin of the Mineralogical Society of Southern California

Volume 86 Number 11 November, 2013

The 903<sup>rd</sup> meeting of the Mineralogical Society of Southern California

## With Knowledge Comes Appreciation

November 8<sup>th</sup>, 2013 at 7:30 pm

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

**Program:** Petroleum Seeps: Structural Setting, Energy Drive and Path of Migration: Presented by Steve Mulqueen

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

## **About the Program:** Petroleum Seeps: Structural Setting, Energy Drive and Path of Migration Presented by: Steve Mulqueen

Petroleum seeps consist of the natural migration and surface emanation of one or all of the following: crude oil, bitumen, asphaltum, natural gas, water and many other chemical substances. Petroleum seeps occur throughout the world in terrestrial and marine environments. When analyzing seeps in their natural setting, it is important to understand that petroleum has taken a complex journey from source rock to the Earth's surface. The presentation is based on field observations of petroleum seeps in California including in the counties of Fresno, Kern, Los Angeles, Orange, Santa Barbara and Ventura.

Steve Mulqueen earned a bachelor of science degree in geology from Cal Poly Pomona in 1978. He has worked as a geologist for Kerr-McGee in Trona, as an Oil and Gas Engineer for the state of California and as a Mineral Resources Engineer at the California State Lands Commission.

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#### From the Editor: Linda Elsnau

OK, I'm begging again! We have all enjoyed the excellent articles offered by our fellow club members over the past few months. Now, how about doing your bit and writing something for your bulletin? I have received very positive feedback for every single member article we have presented in the past year. Of most interest have the articles of how and why you are mineral collectors. Everyone has a story to tell, it can be a paragraph or a page. Even if you have provided an article, you can send in more. We have had several "repeat authors" with very interesting and informative articles. How about it....WRITE! I'd love to see what you have to say.

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#### **MEANDERINGS FROM THE PRESIDENT:** Ann Meister



Photos: Cochise County Sheriff's Office

I certainly wasn't planning on writing about collecting hazards this month, but what happened to a friend in Arizona has changed my plans. I'm writing this on the day I learned of the accident. We have a great hobby, but field collecting can be dangerous.

Many of you will remember *The Rocksmith's* as popular mineral dealers – Eldon, Jean, and their





Photos: Cochise County Sheriff's Office

daughter Jaye – formerly of Tombstone, AZ, who retired in 2002 and are now living in Tucson. It saddens me to report that Jaye Smith's husband, Bill Lawrence, was killed in a rock slide southeast of Benson, AZ, near St.

David, on October 9, 2013. He was looking for fossils in a dry wash, digging in the wall, when the side of the wash collapsed on him. The bank was about 10 feet high. One of the chunks shown in a news photo was nearly the size of a VW beetle. Bill was a professional geologist and an experienced collector. To say, "Accidents happen" is trite, but unfortunately true. (Only weeks before, a larger rock slide had wiped out a family in Colorado that was hiking on a popular trail after heavy rains.) Perhaps one should be more careful after the monsoon season or in the case of Colorado, a 100- or 1000-year storm? But how do you know? How can you tell? The wash is now dry, no rain clouds in the sky. There's no obvious weakness nor apparent recent collapse. There's no real overhang to worry about. His collecting partner, Barbara Muntyan, also a seasoned field collector, heard a noise and when she looked toward where Bill had been standing, there was a large pile of debris and rock. She had to walk out 5 miles to get help because Bill was carrying the car keys and the only cell

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phone. Perhaps they should both have had cell phones? Or one should have the phone and the other the keys? Do you really think about this before you take off on the trail? Do you think more about safety when you are going into an old mine or in a quarry? I'm at a loss for words. To *The Rocksmith's*, "We are deeply sorry for your loss."

Some of you may remember that a similar accident happened on an MSSC field trip a number of years ago. On that occasion (it is my understanding; I wasn't there) the person was told that he was in an area with a dangerous overhang, but continued to dig anyway. If you were there, what would you do? What should you do?

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#### **MINUTES** of the October 11, 2013 Meeting:

The 902nd meeting of the Mineralogical Society of Southern California was called to order by President Ann Meister at 7:35 pm on October 11, 2013 at Pasadena City College, Pasadena, CA.

A motion to approve the minutes from the September meeting, published in the October Bulletin was made and second. approved by members present.

Announcements:

- Trona show this upcoming weekend of the meeting.
- Weather Channel is casting for seasoned miners or prospectors for the Season 3 of the Weather Channel Prospectors Series about Mines.
- There are Fliers for the Gem Fair and the Sacramento Mineral Society Show for the 9th and 10th of November 2013.
- Whittier Show is October 12th and 13th.
- Friends of Mineralogy having a symposium- October 12th and 13th at Cooper Mountain College in Yucca Valley.
- Banquet: January 18, 2014. Plan now for your donation to the silent auction.
- Business for this evening is that we have a slate of officers for 2014 which are the same as 2013. Must announce tonight, nominations are open from the floor tonight. Ballots in November and we vote according to our by-laws. If anyone has a nomination there are several people who would like someone to step into their position: JoAnna Ritchey would like someone to take over as Federation Director. . We also need a Program Chairman. Bruce Carter is stepping down after 5 years. If you are interested, check out your club Bylaws and Operating rules for the duties of these positions. Nominations will be taken from the floor before the election in November
- The CFMS show will be at the Pomona Fair Grounds May 30-31, 2014and MSSC should have a Mineralogical display at the show-.

Program: Gypsum: Not Just Drywall Ore by Dr. Steve Hardinger-Professor of Chemistry at UCLA. He brought very nice specimens to show and had an excellent PowerPoint explaining all about Gypsum.

The monthly drawing was won by Cheryl Lopez.

The meeting was adjourned at 9:00 pm.

Respectfully submitted by Rudy Lopez

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**November is Election Month:** We will be voting for the 2014 slate of officers. Before the vote, nominations are accepted from the floor. Before you nominate someone, be certain you have his or her agreement to be nominated and willingness to take on the job for which they are being nominated.

We are still in need of a volunteer to take on the job of Program Chairman. Bruce Carter has done an excellent job for the past several years, but he would like to step down from this very important chairmanship. This position could also be filled by more than one individual as co-chairpersons. If you are interested or if you know of someone that may be interested in this position, please consider nominating yourself or any other willing member for this important position.

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#### **Fantasy Canyon** By Rick Dalrymple as published in mindat.org

Fantasy Canyon is a small area that is a unique geological feature situated in a remote area south (27 miles) of Vernal, Utah.



Fantasy Canyon was first documented by Earl Douglass, an early explorer and paleontologist. He also explored what has become Dinosaur National Monument. Earl Douglass published photos and a report on Fantasy Canyon in 1909. He called it "The Devil's Playground" and "Hades Pit". Both are good adjectives for this area.

#### Geological.

The rock was deposited about 38-50 million years ago during the Eocene Epoch. This is when Uinta basin was flooded by Lake Uintah. This lake was very large and is responsible for leaf and insect fossils found a few miles away in Cowboy Canyon and along the White River.

The unique features of Fantasy Canyon are caused by a more durable sandstone and silt rock unit weathering slower than the clay layers around them. The sandstone is poorly sorted and is approaching conglomerate in some areas.

This one area, only about 10 acres in size, will eventually erode away. As it



© Rick Dalrymple.of rocks4u.com

Pic 1



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Pic 2



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Pic 3



© Rick Dalrymple.of rocks4u.com

Pic 4

does, the erosion will also expose more, similarly unique formations from the surrounding clay capped hills. Some of these features are already visible around the edges of the hills under the clay.

#### Minerals.

Some seams of iron staining do appear but they are very oxidized. The mineral being oxidized could be magnetite or hematite.

There is a seam of gilsonite about 2 inches thick that goes through the middle of the area.





© Rick Dalrymple.of rocks4u.com
Weathering out of the clay layers
on top of the sandstone/siltstone
is a seams of white to pink
gypsum var; satin spar.

Small pieces of agate are also found laying around mixed in the gravel in the bottom of the washes. These are probably coming from the layers of sandstone that are close to conglomerate.

#### Fossils.

There are many small fossil fragments in the area. Loose pieces of turtle shell, clams, and bone fragments of mammals that lived in the Eocene are scattered around Fantasy Canyon and the surrounding hills and washes.

Editor's Note: My thanks to Rick Dalrymple.of rocks4u.com for his generous permission to use his article and pictures in our bulletin. If you would like to see the article in its' original format, please visit: <a href="http://www.mindat.org/article.php/1692/Fantasy+Canyon">http://www.mindat.org/article.php/1692/Fantasy+Canyon</a>

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### Did you know?

When a mineral specimen consists of parallel or radiating groups of crystals, it is described as:

Descriptions are as defined in Manual of Mineralogy, 15<sup>th</sup> edition, by: Dana & Hurlbut; published in 1941



#### Reniform

However, when radiating individual crystal groups terminate in rounded masses resembling a kidney in shape, it's reniform!

**Hematite**: Fe<sub>2</sub>O<sub>3</sub>

Florence Mine, Egremont, West Cumberland Iron Field, North and Western Region (Cumberland), Cumbria, England, UK

10.6 x 7.4 x 7.3 cm





#### Mammillary

Large rounded masses resembling mammae formed by radiating individual crystals.

#### Malachite:

 $Cu_2(CO_3)(OH)_2$ 

Locality: Yunnan Province, China

8.3 x 5.5 x 5.4 cm

## irocks.com photo

As it is often difficult to distinguish between Botyoidal, Reniform and Mammillary, the term Colloform is sometimes used to describe specimens that are more or less spherical forms.

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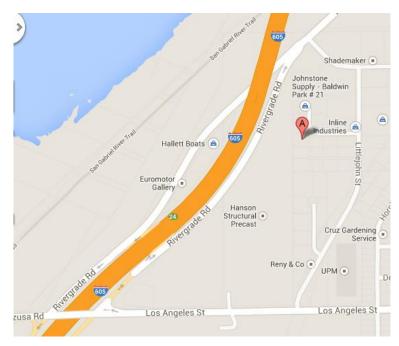
## An invitation for the members and friends of the Mineralogical Society of Southern California to attend an open-house at

## Jewel Tunnel Imports Saturday November 16, 2013 - 10 AM to 4PM

13100 Spring St., Baldwin Park, CA 91706, 626-814-2257

For the last ten years, during the Christmas season, Jewel Tunnel Imports has hosted open houses for gem and mineral societies and related organizations. Refreshments will be served, it's more like a lunch really. This year we will have a special treat. We are selling the Robert Trimingham collection which consists of thousands of specimens each with an amazingly detailed typed label. Many specimens are for sale for \$5 and less.

Jewel Tunnel Imports is a wholesale gem and mineral company that has been in business for the last 40 years. We operate from a 13,000 square foot warehouse in Baldwin Park, California, just off the 605 freeway near Pasadena, California. We are one of the largest wholesale gem and mineral establishments in the United States. We carry a large selection of mineral specimens, gems, tumbled stones, carvings, balls, eggs, bookends, fossils, rough material, light boxes etc. etc.



Normally we are wholesale only. you will be able to buy at our normal wholesale price though you will have to pay the 9% sales tax. The open-house will also provide people attending a good overview of the kinds of minerals and related natural history objects available on the market today and some insight to the importing and distribution of such things.

This is a **one-time event** and it must be understood that you will not be permitted to return to our facility and buy during the year without a resale certificate from the California State Board of equalization. All sales are final.

Starving students and others will be fed and unattended children sold off as slaves.

**Note from your Editor:** Since they are providing snacks for our enjoyment, they would like to know how many MSSC members are interested in attending. Therefore, I will be collecting a count of members to let them know how many to expect. Please either email me with the number in your party at <a href="masscbulletin@earthlink.net">msscbulletin@earthlink.net</a> or call me at my phone number in the MSSC roster. I have an answering machine so you can leave your name and how many will be coming to this wonderful annual event. I will need to tell them how many MSSC members to expect a week before our visit so **please RSVP by Sunday, November 10th** 

Linda Elsnau, Editor

## With Knowledge comes Appreciation!

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#### July Featured Mineral: Legrandite

Formula:  $Zn_2(AsO_4)(OH) \cdot H_2O$ 

Crystal System: Monoclinic

Name: Named in 1932 by Julien Drugman and Max H. Hey in honor of Mr. LeGrand [-1920s?], a Belgium mining engineer and mineral collector who collected the first specimens.



irocks.com photo

Legrandite
Locality: Ojuela Mine, Mapimí, Mun.
de Mapimí, Durango, Mexico
1.7 x 1.6 x 1.2 cm.



irocks.com photo

Legrandite
Locality: Ojuela Mine, Mapimí,
Mun. de Mapimí, Durango, Mexico
1.5 x 0.6 x 0.3 cm.



irocks.com photo
Legrandite
Locality: Ojuela
Mine, Mapimí, Mun.
de Mapimí, Durango,
Mexico
3.1 x 0.9 x 0.4 cm.

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### Ride Share Listing

#### Can You Provide A Ride?

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

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

Looking for	Who	Where	Contact at
A ride	Richard Stambert	North Orange County, near Cal State Fullerton	714-524-3577
A ride	Catherine Govaller	San Bernardino, CA	cgovaller@msn.com

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MSSC Advertisement Policy: Mineral-related ads are allowable in the MSSC bulletin. Below is the price per i	nonth
Business Card	\$5.00
1/3 page	\$10.00
1/2 page	\$20.00
Full Page	\$35.00

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

#### A New Mineral Museum: as reported in the Mineral Record News

### **Mim Museum Opening in Beirut!**

Salim Eddé



There were tremors in The Force on October 12 when the spectacular new Mim Museum of Mineralogy opened in Beirut, Lebanon. The establishment of a new world-class mineral museum is an extremely rare event in the world, and is a first for the Middle East. Attendees to the opening ceremonies included the President and Prime Minister of Lebanon, 12 members of the Parliament of Lebanon, the Archbishop of the Orthodox Church of Lebanon, Archbishop Caccia representing the Vatican, the Ambassadors to Lebanon from China, France, Russia and Morocco, the head of St. Joseph Jesuit University where the museum is located, and possibly one Saudi

Prince. *Mineralogical Record* Publisher and Editor-in-Chief Dr. Wendell Wilson and Associate Publisher Tom Gressman were the *only* official representatives present from the world mineral-related press (and almost the only Americans). **Their well-illustrated report will appear in the January-February issue of** *Mineralogical Record* - and it will be fascinating.

"Mim" is the letter of the Arabic alphabet equivalent to "m" and standing for minerals, mines, and museum. The new museum is the brain child of one collector, Salim Eddé, who since 1997 has assembled an unbelievable mineral collection with enough display-quality, world's-best-or-nearly-so specimens to challenge even the Smithsonian and the British Museum. Over 1400 specimens are mounted in the beautifully designed and well-lighted displays. And, although there are a great many "trophy" specimens of well-known species, there is also a huge number of truly great specimens of very rare minerals that collectors hardly ever get to see. This is a collection with depth and sophistication, obviously the product of a very passionate, well-educated and well-funded collector who knows his science and who wishes to share his passion and pass on his knowledge to others. Interactive educational touch-screens in several places allow visitors to see mineral compositions in relation to the periodic table, to rotate mineral specimen images around in every direction, and to call up specimen images from anywhere in the world.

The Mim Museum of Mineralogy is now instantly one of the great mineral museums of the world. Readers of the *Mineralogical Record* will be seeing photos of specimens from this collection regularly in future issues.

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#### Mineral Enthusiasts to the Rescue Boulder

This year's Denver Gem & Mineral Show took place in Denver just as nearby Boulder County was being pounded by rain. On September 12, the day before the show opened, the area was hit by 9 inches of rain, almost doubling the one-day record of 4.8 inches set in 1919. People in Evans, Milliken and Longmont still are displaced according to the *Denver Post*.

Buried (no pun intended) in a September 22 <u>story</u> was a paragraph that lauded the volunteers—including the Denver Show-goers.

"Now we have to deal with the residue," said [Boulder homeowner Nick] Krull, upbeat and radiating gratitude for the dozens of volunteers who helped out, including out-of-towners in Boulder for a jewelry convention who ditched the event for cleanup duty.



An aerial view shows flood damage to a road in Colorado, Sept. 16, 2013, due to heavy rains. The speck in the dirt is all that is left of the double yellow line. (U.S. Army photo by Sgt. Jonathan C. Thibault)

#### Mark Your Calander!

CFMS Newsletter - November 2013



## The Pasadena Lapidary Society



Presents The

2014 Annual Statewide Show & Convention of the

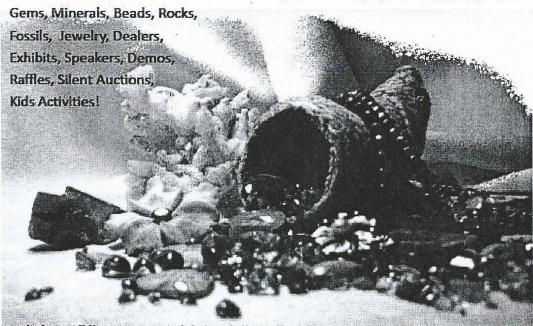
CALIFORNIA FEDERATION OF MINERALOGICAL SOCIETIES

## "California's Gem & Mineral Bounty"

FAIRPLEX, Building 5, Pomona, CA

May 30, 31 & June 1, 2014 Friday & Saturday, 10 AM to 5 PM Sunday, 10 AM to 4 PM

Admission:
Adults \$5, 3-day pass \$12
Seniors 60+ & Military \$4,
3-day pass \$10
Juniors (13-17) \$3, 3-day pass \$7
Kids 12 & Under—Free w/paid Adult



Fairplex, Building 5, 1101 McKinley Ave., Pomona, CA. Parking in Lot 3 for \$10 For more information contact—626 260-7239

# West Coast GEM & MINERAL SHOW

Holiday Inn - Orange County Airport 2726 S. Grand Ave., Santa Ana, CA 92705

(Take 55 Fwy exit 8 for Dyer Rd. to S. Grand Ave.)

NOV. 8 - 10, 2013

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#### **Calendar of Events:**

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

#### **NOVEMBER 2013**

#### November 2 - 3: ANAHEIM, CA

American Opal Society Festhalle at The Phoenix Club 1340 South Sanderson Avenue Hours: Sat 10 - 6; Sun 10 - 5 Website: www.opalsociety.org/

#### November 2 - 3: RIDGECREST, CA

Indian Wells Gem & Mineral Society

Desert Empire Fairgrounds 520 West Richmond Road

Hours: 9 - 5 daily

Website: www.indianwells.weebly.com

#### November 16 - 17: OXNARD, CA

Oxnard Gem & Mineral Society Oxnard Performing Arts Center

164 Seaspray Way

Hours: Sat. 9 - 5; Sun. 10 - 4 Website: <u>www.oxnardgem.com</u> **DECEMBER 2013** No Shows Listed

#### May 30 - June 1, 2014

The Pasadena Lapidary Society presents the

#### **2014 CFMS Conference and Show**

in Pomona, California

"California's Gem & Mineral Bounty"

Fri & Sat: 10:00 AM -5:00 PM Sunday: 10:00 AM to 4:00 PM

Admission: Adults \$5, Seniors & Military \$4, Juniors: \$3, under 12 Free w/ paid adult. (3 day passes are available) Fairplex, Building 5, 11011 McKinley Ave., Pomona, CA

Use Parking Lot #3 fee \$10.00

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#### 2013 MSSC Officers:

OFFICERS				
President	Ann Meister	president@mineralsocal.org		
Vice President	George Rossman			
Secretary	Angie Guzman	secretary@mineralsocal.org		
Treasurer*	Jim Kusely *	treasurer@mineralsocal.org		
CFMS Director	Jo Anna Ritchey			
Past Pres.	Geoffrey Caplette			
DIRECTORS				
2013-	Geoffrey Caplette			
2013-	Leslie Ogg			
2013-	Pat Caplette			
2013-	Bruce Carter			
2013	Pat Stevens			
2013	Bob Housley			
COMMITTEE CHAIRS				
Publicity	Linda Elsnau	bulletin@mineralsocal.org		
Membership	Jim Kusely	treasurer@mineralsocal.org		
Program and Education	Bruce Carter	programs@mineralsocal.org		
Webmaster	Leslie Ogg	webmaster@mineralsocal.org		
Bulletin Editor	Linda Elsnau	bulletin@mineralsocal.org		
Micro Mount Conf. Chairman	Al Wilkins			
* Treasurer	Jim Kusely –proviso due to surgery, mid 2013, Ahni Dodge and Laura Davis to assist while Jim convalesces			

#### **About the Mineralogical Society of Southern California**

Organized in 1931, the Mineralogical Society of Southern California, Inc. is the oldest mineralogical society in the western United States. The MSSC is a member of the California Federation of Mineralogical Societies, and is dedicated to the dissemination of general knowledge of the mineralogical and related earth sciences through the study of mineral specimens. The MSSC is a scientific non-profit organization that actively supports the geology department at Pasadena City College, Pasadena, California. Support is also given to the Los Angeles and San Bernardino County Museums of Natural History. The Bulletin of the Mineralogical Society of Southern California is the official publication of the Mineralogical Society of Southern California, Inc.

The MSSC meetings are usually held the second Friday of each month, January, February and August excepted, at 7:30 p.m. in Building E, Room 220, Pasadena City College, 1570 E Colorado Boulevard, Pasadena, California. The annual Installation Banquet is held in January, and the annual Picnic and Swap Meeting is held in August Due to PCC holidays, meetings may vary. Check the Society website for details.

The Society also sponsors the annual Pacific Micro mount Symposium held at the San Bernardino County Natural History Museum during the last weekend of January.

Annual Membership dues for the MSSC are \$20.00 for an individual membership, \$30.00 for a family membership. The Society's contact information:

Mineralogical Society of Southern California 1855 Idlewood Rd.,

Glendale, CA 91202-1053

E-mail: treasurer@mineralsocal.org

Web: http//:wwwmineralsocal.org The Mineralogical Society of California, Inc.

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#### **MSSC Bulletin Editor**

3630 Encinal Ave. Glendale, CA 91214-2415

To: