



Volume 84	Number	6	June 2012

The 887th Meeting of the Mineralogical Society of Southern California

# June 8, 2012 7:30 pm

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

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### Program

Bruce Carter will describe his recent Morocco trip with members of the Los Angeles Natural History Museum's Gem and Mineral Council. He will cover the geology, origin and scenic beauty of the High Atlas and Anti-Atlas ranges (the former is highest range in Africa). The group visited a number of ore deposits and mines, particularly in the Anti-Atlas Mountains, but the presentation will particularly focus on the unique cobalt arsenide deposits at Bou Azzer. These upper Proterozoic orebodies formed during an important stage of the formation of the northwestern Africa continental craton and also at a time of rapid development of more complex life forms on Earth. The program will conclude with a speculative discussion of speciation and dispersal of early microbial life.

Wayne Leight is confirmed to speak on the crystallography of gold at the July meeting.

# MEANDERINGS FROM THE PRESIDENT by Ann Meister

The California Federation Show is coming up July 13-15. It will be held at the Riverside Municipal Auditorium this year, so it's close to home, so to speak. I would like to encourage you to consider entering an exhibit, either non-competitive or competitive. We need to encourage people to see minerals as a hobby interest, not just making jewelry from rocks. Non-competitive applications are due June 1, competitive are due June 15. See the CFMS website for additional information and forms (www.cfmsinc.org).

For competitive exhibits, there are so many divisions, classes and subclasses that you can find almost any category to suit your interests. There are classes for different sizes of minerals, from micromounts to cabinet size. There are specialties, such as single crystals, pseudomorphs, or minerals which contain the same element (lead or boron or sulfur minerals). Maybe you collect calcites or pyrites - that can make an interesting exhibit. Educational exhibits are also fun to do; you learn something and the viewer learns something. But you must follow the rules in the AFMS Uniform Rules book! (This is available on the website as a pdf file download).

The discussions and arguments about rules are legion. It's because of the thumbnail display rules that my dad became infamous; he was the instigator who changed how thumbnail-sized minerals are displayed in competition. A "thumbnail" is a mineral or crystal specimen that fits in a 1" cube. And that is how they were displayed: in an "egg-carton" box that had five rows with ten 1" x 1" x 1" deep spaces per row. That was the rule. Well, he had a different idea, and was disqualified for trying it out. So he got on the Federation rules committee and after several years and lots of heated discussions, got the rules changed.

In the distant past, I used to exhibit competitively. I have always liked to display minerals from a specific locality, since I primarily collect minerals from Utah and have suites of minerals from various mining districts, such as Park City and Tintic. I also once did an educational exhibit on hanksite. Since I had been going to Searles Lake every October for many years, I had all the crystal habits for hanksite, which was the basis for the exhibit. It won a third prize at Tucson one year.

If you can't find the time to get an exhibit together, at least attend the show. There are lots of dealers, demonstrators, speakers and other activities. The show is hosted by the Valley Prospectors of San Bernardino. Hope to see you there.

# **GEO-LITERATURE RESOURCES**

Contribution from Ann Meister: One of my favorite geology books, and a classic in its field, is John S. Shelton's <u>Geology Illustrated</u>. Intended for the amateur geologist, it explains physical and historical geology through outstanding pictures, many of which are taken from aircraft by the author, so that you get an expansive view of geological structures and landforms. The pictures are integral to the text: "By studying the rocks and landscapes pictured, the reader is guided to an understanding of the kind of evidence upon which the great generalizations of geology are based." <u>Geology Illustrated</u> was published in 1966 and is out of print, but readily available at a reasonable price. It is considered one of the 100 most influential books in science for the last century by *American Scientist*, the magazine of science and technology published by Sigma Xi, The Scientific Research Society.

# MSSC General Minutes

May 11, 2012

The 887<sup>th</sup> meeting of the Mineralogical Society of Southern California was held on Friday, May 11, 2012 at Pasadena City College, Pasadena, CA. President Ann Meister brought the meeting to order at 7:40 p.m.

The following business and announcements were made:

<u>Minutes</u> of the April 13, 2012 meeting were moved, seconded and approved;

### Announcements:

West Coast Gem and Mineral Show, in Santa Ana, is on now through the weekend.

Nevada Minerals and Books Open House on now.

CSFM show will be held 7/13/12 - 7/15/12

President Meister mentioned a possible new column for the newsletter: Geology Literary Resources. It may have book reviews and lists of books that may be of interest, i.e., "Minerals for Amateurs" by John Sinkankas. This book is out of print now, but an excellent resource nonetheless. Try Amazon.com! Another comprehensive resource found on the Internet is <u>mindat.com</u>, the mineral database that continues to inform and amaze folks.

**Program**: Ann Meister introduced the evening's presenter, Ms. Eloise Gaillou, Ph.D, who, as a research associate with the Smithsonian Natural History Museum had opportunity to perform studies of natural colored diamonds. Dr. Gaillou, educated in France, is articulate and engaging.

Dr. Gaillou demonstrated how color is present in natural diamonds and that they fall into two types:

Type I (with Nitrogen) and Type II (without Nitrogen) and its subcategories a) and b) involving Boron The diamond colors are:

*Yellow* – three parts Nitrogen and 1 part Carbon, i.e., The Oppenheimer Diamond, the largest nearly perfectly formed uncut yellow diamond at 253.7ct, discovered in South Africa.

Green - rare when cut, i.e., Dresden 41ct Diamond

*Blue* – the more Boron, the more blue the diamond (more Boron than Nitrogen), i.e., Hope Diamond.

*Pink* – These diamonds are from Argyle in Australia. The color likely is formed at the earth's mantle level.

Up close and personal (under a microscope) the lamellae, slip planes, other deformations and photo induced (enhanced or decreased by light absorption) exposure are other indicators as to why a diamond is a particular color in Type I or Type II categories above.

Dr. Gaillou, after her enlightening presentation, took questions and answered all to everyone's satisfaction. Our appreciation to Dr. Gaillou for her time and consideration.

# **Door Prize**

Door prize drawing was won by Abanie, who gave it to guest, Paul Lopez. In addition, other guests, Jonathan and Jessa, also selected a sample from the goodie box.

### **Other Business**

Ann expressed the need to schedule another Board meeting, and will coordinate with Bob Griffis, former Secretary, to assist with the By Laws.

### Adjourned 8:50pm

Refreshments.

Submitted by Angie Guzman, Secretary

# Judging Seminar, Reno 5/11-5/13/2012. Jo Anna Ritchey

I started as a Clerk several years ago. I thought that would be fun--and it really has been fun. The duties of a Clerk are to take notes and listen. The Judge may ask for an opinion, but until asked one is not supposed to offer opinions or suggestions. I have been fortunate as the judges I have clerked for were willing to teach me what they could. Then one year there was a shortage of Judges and Dee Holland told me I was a Learning Judge. The last couple of years I have been a Judge. Since a Seminar was being offered that would go over my official duties, I thought I should attend.

I found the Seminar to be very informative. Jay Bowman began the Seminar by asking all of us (30 students) what were the duties of a Judge? After the obvious answers (variations of) follow the rules as set forth by the AFMS and CFMS Rules Committee. He then said that one of the main duties of a Judge is to Educate. We are not supposed to deduct any points without stating why the points were deducted and to make suggestions on how to improve the case. Also we should not be stingy with praise—if something is great/wonderful/fantastic say so.

The basic format of the Seminar was for Jay to read the Rules Book to us and for us to stop him and ask questions. This sounds pretty deadly, but in reality it was not. He read a sentence or two, and then we stopped him and asked questions, brought up examples of what we had seen, or asked for him interpretation. Thus we went through the whole book, word by word. We exchanged information and interpretations along the way.

This was good as after any judging there is a time for the Exhibitor to ask questions. Now we are better prepared to answer those questions. Also the overall judging is more uniform. I found the seminar to be very helpful.

The **Uniform Rules 2012 (875k)** can be found at **www.amfed.org**. They can be downloaded in their entirety, or there are updates by year.

The following documents will be of help.

- AFMS Mineral Classification List 2003 (134k)
- AFMS Mineral Competition List (22k) (9/13/2009)
- AFMS Approved Reference List of lapidary Mineral Names 2003 (129k)
- AFMS Approved Reference List of Lapidary Mineral Names 2003 (Updated 2009) (153k)



# **Upcoming CFMS Field Trips**

June 23, 2012	Malakoff Diggins	CFMS Field Trips - North
(Sat.)	State Historical Park,	Co-sponsored with Roseville Rock
Final Date	North Bloomfield, CA	Rollers.
	(near Nevada City <mark>)</mark>	Contact Jim Barton at
	Gold Adventure	geologist1@surewest.net or
	Fieldtrip: Ranger-	(916) 847-7321 if you plan to
	guided tour of the	attend.
	park and an	
	opportunity to pan	More info at www.cfmsinc.org
	for gold at the	
	historic former	
	hydraulic mine.	
June 24, 2012	Cerro Gordo:	CFMS Field Trip - South
(Sun.)	Smithsonite and	Hosted by Lone Pine Gem &
	other minerals	Mineral Society
		CONTACTS: call Dana @
	This is a fee dig @	(760) 876-5020. You may have
	\$5.00 per person.	to leave a message or call
		Francis @ (760) 876-4319.
		More info at www.cfmsinc.org

# **AFMS Land Use Policy**

- 1. Adherence to the AFMS Code of Ethics assures compliance with most statutes and regulations governing collecting on public lands and encourages respect for private property rights and the environment. Clubs are urged to read the AFMS Code of Ethics in at least one meeting every year, to publish the Code frequently in the club newsletter, and to compel compliance on club field trips.
- 2. Individuals and clubs are urged to write their elected representatives and land use management agency supervisors regarding issues of rule making, legislation and enforcement affecting field collecting of minerals and fossils.
- 3. Individuals and clubs are urged to join and support activities of the American Lands Access Association (ALAA), a sister organization with responsibility for advancing the interests of earth science amateurs with legislatures and land use management agencies.
- 4. The AFMS will receive a report from ALAA at its annual meeting.
- 5. The AFMS endorses the principle of multiple use of public lands as a guarantee of continuing recreational opportunities.
- 6. Wilderness and monument designations are inconsistent with the principle of multiple use. In view of the vast amount of public land already designated as wilderness and monuments, future such designations should be minimal, taking into account the increased demand for recreational opportunities, including rockhounding, created by a growing population.
- 7. In furtherance of the principle of multiple use, the AFMS believes that laws, regulations and rules established by relevant governmental authorities should be designed to allow freest possible access to all public lands, coupled with minimal restrictions on the recreational collection of minerals, fossils, gemstone materials and other naturally occurring materials.
- 8. A right to collect minerals and fossils on public lands should be protected by statute.
- 9. The AFMS urges its members to work with any or all government authorities to achieve a good working relationship in order to improve the "Public Image" of recreational collectors.



Jadeite British Museum



Unworked Jade http://en.wikipedia.org/wiki/Jade

# What is in a name: Jade

A good name has sold many stones, rocks and minerals. Often people will call anything that is green "jade".

"Under the general term *jade* are included massive varieties of at least two mineral species: a massive pyroxene known as *jadeite*, having the composition of a soda-alumina silicate; and a tough, compact amphibole called *nephrite*, corresponding in composition to a lime magnesia-iron silicate. So closely do these mineral materials resemble each other in texture and outward form and color that it is difficult to distinguish one from the other, especially when carved.

"Of the two jadeite is slightly the harder, having a hardness of 7 in the Mohs scale, as compared to 6.5 for nephrite. Also the specific gravity of jadeite is rather higher than that of nephrite 3.4 as compared with about 3.00.

Serpentine. "Another soft stone that lends itself to a certain kind of decorative carving is *serpentine*, a hydrous magnesium silicate, of wide distribution and often occurring in attractive colors.... its occurrence, in compact and fibrous masses with a waxy luster and a smooth feel, suggesting a resemblance to jade. Its hardness varies from 2.5 to 4 on the Mohs scale, and is easily scratched by even a soft steel point.

Since jade is an excellent name, many sales and marketing people want to capitalize on it. Below is a partial listing of various rocks that are currently being sold as "jade", especially in jewelry.

Name under which rock is sold	What the actual rock is (probably)
Afghanistan Jade	Bowenite (serpentine)

Name under which rock is sold	What the actual rock is (probably)
African Jade (Transvaal Jade, etc)	Grossular garnet
Agate Jade	Agate
Amazon Jade	Amazonite
Andesine Jae	Andesine
Australian Jade	Chrysoprase quartz
Beijing Jade	Green Glass
Colorado Jade	Amazonite
Dushan Jade	Saussuritea type of plagioclase rock or feldspar
Fukien Jade	Soapstone
Honan Jade	Soapstone, serpentine or steatite
Imperial Mexican Jade	Green dyed calcite
Japanese Jade	White agate specked with spinach-green
Jasper Jade	Jasper, possibly serpentine
Korea Jade	Serpentine, bowenite, steatite, a green stone, or impure jade.
Lemon Jade	Bright yellow variety of serpentine. Yellow jade could exist, but question or do tests to determine if it is serpentine or jadeite or something else.
Longxi Jade	Tremolite from Sichuan Province, China.
Malaysian Jade	Quartzite that has been dyed green or other colors.
Marble Jade or Jade Marble	Green-colored marble
Meta-Jade	Japanese glass jade simulate, described as a "partially devitrified apatite-composition glass" and also "Limori glass". Can have a distinctive conchoidal fracture.

Name under which rock is sold	What the actual rock is (probably)
Mountain Jade	Dolomite
Nevada Jade	Dark Green Jasper
New Jade	Serpentine (bowenite)
Oregon Jade or Oregon Jade Jasper	Dark Green Jasper or Green Garnet
Peking Jade	Green glass, or apple-green colored serpentine (sometimes it really could be nephrite jade! check first before believing)
Queensland Jade	Chrysoprase chalcedony
Rhodesian Jade	Verdite
Russian Jade	Serpentine, usually
Serpentine Jade	Serpentine or bowenite
Shanghai Jade	Steatite or talc
Shoushan Jade (Shoushan Stone)	Lava and crystalline ore in a wide range or colors, but is not nearly as tough a true Jade.
Silver Peak Jade	Malachite
Soochow Jade	Soapstone, serpentine, bowenite or steatite
Styrian Jade	Serpentine found in Austria
Xuyan Jade	Serpentine



Jade pendants from British Museum

# **Calendar of Events**

# June 1 - 3, 2012: WOODLAND HILLS, CA

Rockatomics Gem & Mineral Society, Pierce College 20800 Victory Blvd Hours: 10 - 5 daily

# June 9 - 10, 2012: LA HABRA, CA

North Orange County Gem & Mineral Society La Habra Community Center, 101 W. La Habra Blvd. Hours: 10 - 5 daily

### June 16 - 17, 2012: GLENDORA, CA Glendora Gems & Mineral Society Goddard Middle School, 859 East Sierra Madre Hours: Sat 10 - 5; Sun 10 - 4

**June 30 - July 1: CULVER CITY, CA,** Culver City Rock & Mineral Club, Culver City Veterians Memorial Auditorium, 4117 Overland Avenue (Overland & Culver), Hours: Sat 10 - 6; Sun 10 - 5



July 13-15, 2012 Riverside, CA 2012 CFMS Gold and Gem Show & Convention., Hosted by Valley Prospectors

Riverside Municipal Auditorium, 3485 Mission Inn Avenue, Riverside, CA. Metered parking on street and city lots on weekdays Free parking on weekend

Hours: Fri & Sat 10 – 5; Sun 10 – 410:00-4:00 each day



#### MSSC Advertisement Policy

Mineral-related ads have always been acceptable in the bulletin. Below is the price per month

Business card size	\$5
1/3 Page	\$10
1/2 Page	\$20
Full Page	\$35

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 e-mailed to the editor at bulletin@mineralsocal.org and the payment should be sent to the MSSC Treasurer at 1855 Idlewood Road, Glendale, CA 91202-1053. The Bulletin Editor reserves the right to decline requests for space if material submitted is judged to be inappropriate

### OFFICERS

President	Ann Meister
Vice	Bruce Carter
Secretary	Angie Guzman
Treasurer	Jim Kusely
CFMS	Jo Anna Ritchey
Past Pres.	Geoffrey Caplette
DIRECTORS	
2010-2011	Geoffrey Caplette
2010-2011	Leslie Ogg
2010-2011	Linda Elsnau
2010-2011	Fred Elsnau

**COMMITTEE CHAIRS** 

Facilities
Publicity
Membership
Program and Education
Show
Webmaster
Bulletin Editor

president@mineralsocal.org programs@mineralsocal.org secretary@mineralsocal.org treasurer@mineralsocal.org bulletin@mineralsocal.org

webmaster@mineralsocal.org publicity@mineralsocal.org

### Vacant

Linda Elsnau (See Director) Jim Kusely (See Treasurer) Bruce Carter (See VP) Vacant Leslie Ogg (see Director) Jo Anna Ritchey (See CFMS)

### 2012 PACIFIC MICROMOUNT CONFERENCE COMMITTEE

Chairman	Bob Housley
Speakers	Bob Housley
Pre-registration	Bob Housley
Electrical	Alan Wilkins
Sales Table	Garth Bricker
Give-away Table	Gene Reynolds
Food	Ann Meister Sugar White

# 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 and collecting of mineral specimens. The MSSC is a scientific nonprofit 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 Micromount 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 Email: bgbrdpen@earthlink.net Web: http//:wwwmineralsocal.org The Mineralogical Society of California, Inc.

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DISCLAIMER: The Mineralogical Society of Southern California, Inc. is not responsible, cannot be held responsible or liable for any person's injuries, damages or loss of property at or traveling to or from any general meeting, board meeting, open house, field trip, annual show or any other MSSC event

#### CALIFORNIA FEDERATION OF MINERALOGICAL SOCIETIES GOLD AND GEM SHOW

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73 Annual Co	nvention & Show-	July 13 - 15, 2012	
	Iunicipal Auditoriun		
ADVANCE REGISTRATIO			
Registration will be recorded u			EARLY
ADVANCE REGISTRATIO			
Registration will be recorded u			EARLY
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City	State	Zip	
Club Affiliation			
Exhibitor?Yes1	No		
ADDITIONAL REGISTRA			
	Club		
	Club		
SHOW ADMISSION FEES:			
Adult tickets @ \$5.00 per o			Total
<b>Senior</b> tickets (60+) @ \$4.0	0 per day OR _ 3-D	AY PASS FOR \$10	Total
<b>Juniors</b> 12 - 17 @ \$3.00 pe			Total
Kids under 12 are free, when			
Demonstrators and Exhibitors			
and a guest. Additional admiss		purchased above or a	t the
admission gate during the show			
TOTAL ADMISSION COST			\$
BANQUET RESERVATION			
Saturday, July 14 - Happy Hou		ner at 7 p.m awards	s to follow
Roast Peppercorn New Yo			<i><b>•</b></i>
or Chicken Forestiere.	@ \$40 Inc	dicate beef or chicker	n. \$
Does not include alcoholic bey			·
EDITORS BREAKFAST RE			
Orange Crest Room Sunday, J			
fresh pastries, juices, coffee,		x \$2	0\$
GRAND TOTAL (Make chec		Prospectors)	. \$
Mail this entire form with pays	ment to:		
Pat LaRue			
PO Box 1657			
Rialto, CA 92377-1657			
(909) 874-5664 bplarue@earthlink.net			
opiarue@earunnik.net			
Full size application can be for	und at www.cfmsin	c.org	

CFMS 2012 CONVENTION GOLD AND GEM SHOW COMPETITIVE ENTRY FORM

Fri - Sat 10am - 5pm Sun 10am - 4pm July 13-15, 2012

#### Riverside Municipal Auditorium Riverside, California EXHIBIT ENTRY DEADLINE: June 15, 2012

#### SETUP:

All entries must be set up and ready for judging by the close of set-up time, Thursday, July 12, 2012, from 12 noon to 9:00pm. Or, with the approval of the Rules Chairman – between 7am 9am on Friday, July 13, 2012.

#### SECURITY WILL BE FURNISHED. TWO GUEST PASSES PER EXHIBITOR WILL BE FURNISHED

Cases will be assigned space on tables approximately 30 inches high. Exhibits are limited to 150 watts of power per case, and exhibitor must supply a three prong extension cord to reach the power supply under the tables. (Approximately 10 feet) Please complete all information on the entry form and this certification form and mail to the Competitive exhibits registration chairman for acceptance and acknowledgement –email is acceptable. CHERI GEORGE, 2255 W. Ave "O", Palmdale, CA 93551. Refer to the AFMS Rules Update to 2012. Download your copy of the rules from: www.AMFED.org after January 1, 2012. CFMS Supplemental Trophy information may be obtained from Dee Holland at: beauholland@centurytel.net.

If you are uncertain as to the correct class or group you should enter or for clarification of the rules contact Dee Holland, P.O. Box 23, Tendoy, ID 83468 or email: beauholland@centurytel.net or shirleyleeson@cox.net

LIABILITY: It is mutually agreed that the Californian Federation of Mineralogical Societies and the host society shall not be liable to any exhibitor in whole or part. This includes the property of the exhibitor or injury to their person resulting from any cause. Submitting this signed application/certification form for entry constitutes acceptance of these rules and regulations.

#### SIGNATURE\_\_\_\_\_

Print Name\_\_\_\_

Date\_\_\_\_

Full size application can be found at www.cfmsinc.org

#### CFMS COMPETITION ENTRY FORM July 13 – 15, 2012 Riverside Municipal Auditorium Riverside, California

PLEASE PRINT			
NAME			
ADDRESS			
	EMAIL		
	JP: MASTER ADVAN		JUNIOR
SOCIETYJUN	NOR SOCIETY If Jun	nior, DATE OF Bl	RTH HERE
EXHIBIT DIVISIO	N EXHIBIT CLASS	5	
Do you have your ov	wn case? Size: Width	Height	_Depth

#### SUPPLEMENTAL TROPHIES CHOATE JEWELRY FACETRON FACETING BEGINNING FACETING NORTHERN CALIFORNIA FACETING TROPHY

#### **CERTIFICATION FOR EXHIBITORS**

I hereby certify that all material in competition by me is my own personal property. If, Society, all material belongs to members of the Society. All work, except minor findings or where otherwise allowed by the rules, was completed by me. I have read the current rules and agree to abide by them.

PRINT NAME\_\_\_\_\_

Exhibitor's Society \_\_\_\_\_

I certify, as an officer of the above named society, that the exhibitor is a member in good standing of that society, and to the best of my knowledge is eligible to exhibit in the stated classification according to the AFMS Rules. Signature\_\_\_\_\_\_

Title\_\_\_\_\_

If this is sent email: we need the officer's email \_\_\_\_\_

Date\_\_\_\_\_

**BOTH PAGES MUST BE SENT BACK** Be sure and make a copy for your files

Full size application can be found at www.cfmsinc.org CFMS GOLD AND GEM SHOW Hosted by Valley Prospectors Riverside Municipal Auditorium Riverside, CA July 13 - 15, 2012

#### NON-COMPETITIVE EXHIBIT INVITATION

We invite all members of CFMS affiliated members to participate in the CFMS Show in Riverside in 2012. If you have an exhibit you would like to display, please fill out the application form and send by June 1, 2011. All exhibits must be hobby related. Each exhibitor will receive a show pass for himself/herself and one guest.

Lighting: Maximum lighting is 150 watts per 4 foot case. 3-pronged grounded cords are required per building regulations. Bring your own extension cords. NO HALOGEN LIGHTS PLEASE!

Set up will be Thursday, July 12, 2012 from noon until 9 p.m. All exhibits must be set up on Thursday unless prior arrangements have been made with the Exhibits Chairman. Exhibits must remain in place until closing time at 4 p.m. on July 15, 2012.

Neither the CFMS nor the Host Society assumes responsibility for loss or damage to exhibitor's property, material or specimens. Exhibitors must provide their own insurance or assume the risk. Security will be provided throughout the show.

Please return the completed form to:	
Pat LaRue, Exhibits Chair	
PO Box 1657	
Rialto, CA 92377	
С	
Cut and return bottom portion:	
NAME	PHONE #
ADDRESS	
	E-MAIL
DESCRIPTION OF DISPLAY	
I have my own case Size: H	WD
I will have to borrow a case	
Cases are 4 foot upright with lights. Liners and risers are not furnished. Rental cost is \$10. Check payable to Valley Prospectors. A limited number of cases will be	
SIGNATURE	DATE

Full size application can be found at www.cfmsinc.org