



Club Notes



General Meeting: June 17th 2014 7:30 PM at the Church of Christ. Members with the last name that begins with Q-T please bring snacks for the general meeting.

New Members: Unless otherwise stated, General Meetings are on the third with Tuesday of the month at the church at 7:30 pm. You are invited and encouraged to attend! There is a silent auction and door prizes at every meeting.

Next Board Meeting: Monday June 9th Board Meeting at the shop 7p.m.

Show Meeting: August 28th at the shop at 7PM



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MGSCV Petrograph - June 2014
Monthly Bulletin of the Mineral & Gem Society of Castro Valley, inc.

This publication is the bulletin of the Mineral and Gem Society of Castro Valley, Inc., a member of the California Federation of Mineralogical Societies, Inc., the American Federation of Mineralogical Societies and the North Bay Field Trip Association.

Bulletin Submission Policy

Submission deadline is the second Friday following the *General Meeting* (normally the second Wednesday of the month.) Anonymous contributions will not be considered for publication in the Petrograph; however, if requested at the time of submission, the contributor's name can be withheld. Members are encouraged to submit articles that may be of interest to the general membership. The bulletin editor reserves the right to edit any submitted articles or omit any submission from publication. Source must be cited for material quoted from other authors. Permission to reprint Petrograph articles is hereby granted provided properly cited.

2013 MGSCV Officers

Elected

President - Bonnie Andrade	President@mgscv.org	
Vice President -	VP@mgscv.org	
Secretary - Sheryl Cooper	Secretary@mgscv.org	(510) 589-8858
Treasurer - Betty Milam	Treasurer@mgscv.org	
1 st Year Director - Norm Hodgson	Director1@mgscv.org	
2 nd Year Director - Mike Cox	Director2@mgscv.org	
3 rd Year Director - Jodi Minshall	Director3@mgscv.org	
Federation Director - Mike McBride	Federation@mgscv.org	
Shop Manager - Beth Farmer	ShopManager@mgscv.org	
2014 Show Chairman - Cathy Miller	ShowChair@mgscv.org">ShowChair@mgscv.org	
Membership - Tony Cooper	membership@mgscv.org	510-589-5292
Editor - Diana Cohoon	Editor@mgscv.org	
Past President - Ron Miller	pastpresident@mgscv.org	

Appointed

Scholarship Chair - Mary Howell	
Librarian - Mary Howell	
Historian - Jamie McDonald	
Purchasing Agent - Beth Farmer	
Education Coordinator - Shirley Buschke	
Field Trip Coordinator-	
Parliamentarian - Doc Buschke	
Reception/Hostess - Ann Vargas/Dan Gilson	
Sunshine Reporter - All members	
Door Prizes - Bonnie Andrade	
Web Master - Tony Cooper	webmaster@MGSCV.org

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Publication Staff



✧Contributors: Shirley Buschke, Jodi Minshall, Sheryl Cooper, Mike McBride

BOARD MEETING

May 7th 2014

Submitted by Betty Milam

The meeting was called to order at 7 pm.

In attendance were **Bonnie Andrade, Mike McBride, Mike Cox, Norm Hodgeson, Brian Grey, Diana Cohoon, Jodi Minshal, Betty Milam and Sheryl Cooper**

Treasurer: The April treasurer's report presented by **Betty Milam** was reviewed and approved by a unanimous vote.

Minutes: **Betty Milam** moved and **Diana Cohoon** seconded to approve the minutes of the April 15, 2014 Board meeting as presented in the Petrograph. Carried unanimously.

Editor: **Diana** announced the Petrograph will not be issued for the months of July and August.

Field Trips: **Brian Grey** reported he is planning a field trip for Sunday, June 29th. He suggested several locations, but at this time a trip to Montero Beach (north of Half Moon Bay) with a stop at the San Andreas Fault would be a good start. Look for announcement in the Petrograph and/or email to all members.

Show: The first 2015 show meeting will be August 28th at 7:00 pm at the shop.

Alameda County Fair: Norm reported the Alameda County Fair plans to rent our exhibit cases again this year. The Fair opens 15th of June and ends 8th of July.

Norm has been making inquiries of the fair organizers and to CFMS to determine the specifications for competition display case sizes or height of the risers, or for labeling or colors, etc. There doesn't appear to be any specific qualifications. Norm will be notifying all club members that the Fair is looking for exhibitors. New Business: **Mark Montgomery** reported to the Board that for over two years he has been assisting the Librarian. He requested a title of Assistant Librarian in order to have the authority to fulfill the duties of the Librarian when she is unable to come to the shop. **Mike McBride** moved and **Brian Grey** seconded to create an Assistant Librarian position. The Librarian and Assistant Librarian are the only members authorized to get into the Library. This will assure that proper procedures will be followed **Sheryl Cooper** arrived -

Membership: There are 145 current members. Check the box near the sign-in book for your card.

Shop Manager: The Board adjourned to Closed Session to discuss the shop issues brought up by **Beth Farmer** in the May 2014 Petrograph article A Message from the Shop Manager. It was the consensus of those present that due to Security issues and Shop abuse issues the Board decided to look into changing the shop door key issued to Shop Supervisors and Board Officers. The Board will also look into

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installing an alarm to be set and turned off by a key pad that will record the code of the operator and the date and time of the activation/deactivation of the key pad. This is everyone's shop, and everyone's responsibility to keep it going.

Next Board meeting will be June 9, 2014.

GENERAL MEETING - May 20, 2014

Submitted by **Sheryl Cooper**

Bonnie Andrade called the meeting to order at 7:40 pm. There were 22 members and 3 guests present.

Minutes: **Shirley Buschke** moved to accept the April minutes as printed in the Petrograph. Brian Gray seconded the motion and it carried unanimously.

Scholarships: **Mark Montgomery** congratulated this year's winners and presented the \$750 checks to them.

John MacDougall is a senior with a bachelor of science in geology. His research project is hydro geology with post fire effects.

Seth Shuler is working on his masters in geophysics. This summer he will be surveying the Sacramento delta and working with fault imaging.

Program: Integrated Middle School Science Partnership by **Jeff Seitz**

Jeff talked about science education in the middle schools. The U.S. ranks 23rd in science, 30th in math and 17th in reading worldwide. California ranks 49th in the U.S. on the 8th grade assessments. Science teachers need to improve their science

background in order to teach effectively. This program is in its third year and has 12 million in grants from the National Science Foundation. The project goals are to improve the content knowledge, have a better way to teach and form a partnership. There are 33 middle schools in 10 districts around the Bay Area with 230 teachers participating. They are working with the teachers and giving them resources not just information to use in their classrooms. The teachers are tested at the beginning of each year to get a baseline of their knowledge. Some teachers have been in the program all three years and more join each year. There is a Science Professional Development summer program where the teachers get 80 hours of training and information. During the school year there are Saturday workshops each quarter . They are also going beyond the teachers and getting the principals and the district leaders involved . California has adopted the Next Generation Science Standards along with 10 other states to be implemented in 2016.

Shop: **Beth Farmer** is making changes in shop procedures and security because of damages to the shop equipment. There is a saw book in the blue cabinet. In this you will find a form to fill out every time you use any saw. If you don't use it you will lose your shop privileges.

Show: The next show meeting is August 28th at the shop starting at 7:00 pm.

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Membership: There are currently 147 members and your membership cards are down at the shop above the sign in sheet.

Juniors: No one coming in recently.

Education: There were a couple of students in lost wax and faceting as well. **Shirley Buschke** is looking for some more volunteer teachers.

Field Trips: **Brian Gray** is planning a trip on Sunday, June 29th to Pescadero Beach. This is north of Half Moon Bay. There is agate and more to collect and may include a fault talk also.

Sunshine: Two of our members have passed away in May - **Dave Gordon** and **Claude Hawkins**. They will be missed.

Library: A classmate of **Shirley's**, **Mr. Roach**, made a donation to the library. **Mary Howell** and **Mark Montgomery** are going through the books now.

Federation: A very excited **Mike McBride** is leaving for the Pomona Confederation show.

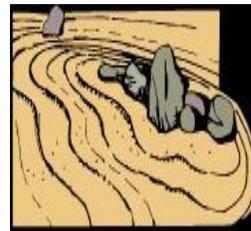
Unfinished Business: The club has 12 people exhibiting at the Alameda County Fair this year. There will also be a club case which will have club information, pictures and let people know they can come by on Saturday to tour the club. Set up will be from June 13 - 15. Talk to Norm Hodgson if you have any questions, suggestions or items to include in our case.

Drawings: The name for the \$100 member drawing was **William Luna**; unfortunately he was not present so next month the amount goes to \$105.

Guest Tickets - John MacDougall, Seth Shuler and Jeff Sietz

Attending Member Tickets - Greg Ordonez, Oscar Langdon-Streeter, Neil Delfino, Oscar Langdon-Streeter, Maya Caudill-Merida, Brian Gray, Shirley Buschke, Stephen Caudill-Merida, Mark Montgomery, Mike Cox, Mike McBride, Stephen Caudill-Merida and Maya Caudill-Merida

The meeting adjourned at 8:45 pm and the silent auction was wrapped up.



ROCK RUMBLES

By Shirley Buschke

We honored our own last month by awarding two life memberships. The recipient must be active for at least ten years in a row offering services beyond the typical member. Our first joined us in 2003 and immediately became our secretary and soon became our treasurer, a job she still holds. She teaches enameling and is active in every club activity, rock sales, show time, dinner and **Betty Milam** even convinced her husband to refurbish our

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display cases. We got two for the price of one. Our other recipient is a jack of all trades. He helps keep the machinery going, teaches both beginners and juniors, drives the truck for the shows, handles the silent auction at meetings, opens the library when our librarian is not available. This award comes by way of a petition to the board for approval and then vote by the membership, and we expect many more years of service from the two of them.

Several members helped **Jim Ewing** celebrate his 80th birthday, Great food and cake.

Cheryl Gullak is returning to her home in Canada. We will miss her. She has returned every year to see her dad and to work at our show. Her brother still lives here so we hope to see her next year when she visits him, while she is here she works at the shop.

Beth, shop boss, recently bought new investment for the casting room. **Jim Ewing's** castings were perfect. Jim was relieved. He began to think he had lost his touch.

Doc and I went to the rock and gem show in Mariposa and were really impressed. This was an indoor-outdoor show on the fair grounds. Lots of rough, slabs, and dealers we had never seen before. Good prices, good variety, just like the good old days. We recommend you stay the night: it is quite a distance. It is about 30-40 miles from Yosemite. We recommend reservations because of its proximity to

Yosemite. You can also visit the State mineral museum. There is a fee.

The **Snyder Ranch** show will be in October this year. The show is on a cow pasture so dress appropriately, especially your shoes. One year it rained and one of our members lost her shoes in the mud. Cars had to be towed out of the parking field. There is Usually lots of rough here. A church group used to sell homemade pies, hope they are still there. The trip is worth it for the pies.

Someone has forgotten that equipment at the shop s for use of members **AT THE SHOP**. The equipment is not to be "borrowed" to be used at home. Nor should substitutes be replacing equipment. That is just plain thievery. Substituting better might be tolerated, but second rate subs are just plain robbery. .

If you want grit to use at home, buy it. If we have it, we may be able to sell it to you. If you break a saw blade, you pay to replace it. Many of our small cost items are in the shop on the honor system.--- A quarter for wax rings, 50 cents for a gift bag. Put money in safe with note. Or put in coffee money box for using coffee, and for Mark to replenish the coffee and creamer.

ANNOUNCEMENTS

I am running this request by our shop manager again, as she needs the help with these things, and we should all be helping when we can.

I am asking for help with this list of problems. Please consider taking one of

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these over as a personal project for the club, with my help.

1. Find a plastic vacuum forming company that can copy the water basin inside our second trim saw. I have the original part that can be used as a template. Prepare that part for having a copy made, and put it in the saw. Get the saw running.

2. Find out the dimensions and buy the couplings that attach both electric motors to the 6 inch rubber disks used for diamond in the polishing room. Put them on and I will give you another 6 inch wheel and pad for the 14,000 polisher.

3. Replace the burned out 20 amp receptacle under the stairway with a new one. (Labeled #1 and #6 in the breaker panel and on the receptacle face.) I have the parts.

4. Replace the pull/push switch on the 20 inch saw with a conventional switch and box. I have the parts.

5. Finish repainting the cabinets with white paint. This job is mostly finished and tools are in the workshop.

6. Get with Norm and help him with reorganization of the 3 Society cabinets upstairs. He needs one or two people to get his ideas executed.

7. Clean the 20 inch saw. This is about to be tagged out because the mud is too deep. I will fill it up with new oil after it is cleaned out. The filters are ready for use and I can show you how to use them.

8. Service the Freedom flex shafts. The shafts are overdue for routine lubrication. I have the instructions and proper lube for this job.

The 14 inch saw is being overhauled by Ken, all the bearings are completely worn out and we are having problems finding parts. When that one is put in service, the 12 inch will be worked over.

As you can see, there are lots of jobs that are asking for help. Please consider spending a few hours and improve our Societies equipment. They all need doing.

Our General Meeting on Tuesday, May 20, will be our **annual scholarship award program**, which was postponed from last month. There will be a presentation by **Cal State University East Bay, Department of Earth & Environmental Sciences**.



SHOW SCHEDULES

North County Gem and Mineral Society

La Habra, Ca

June 6-8; Fri. 4-8:30, Sat. 8-8, Sun. 9-401
Palm S. Palm St.

Contact: Nancy Bird 562-697-0636

nancybird@verizon.net

Glendora Gems & Mineral Society

Glendora, Ca

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June 7-8, Sat. 10-5; Sun 10-4pm

Goddard Middle School

859 East Sierra Madre

Contact: Bonnie Bidwell 626-963-4638

Ybidwell2@aol.com

San Luis Obispo Gem & Mineral Society

Cayucos, Ca

June 14-15th; 10-5pm daily

Cayucos Vets Hall at Pier

10 Cayucos Drive

Contact: Kim Noyes 8056-610-0603

kimnoyes@gmail.com

Orange Belt Gem & Mineral Society

Railto, Ca

June 27th- 29th; Fri. & Sat. 9-6, Sun. 9-3pm

Tailgate across street from Rialto City Hall

105 S. Palm ave (corner 1st & Palm ave.)

Contact Ken or Jessica Gard, 909-624-1782, 909-887-5507

kengard@roadrunner.com

Culver City Rock and Mineral Club

Culver City, Ca

June 28 & 29th; Sat. 10-6; Sun. 10-5

Vetrans Memorial Auditorium

4117 Overland Ave.

Contact Janice Metz

jaiemtz@yahoo.com

Orcutt Mineral & Gem Society, Santa Maria

Nipomo, Ca

August 1-3rd; Fri. & Sat. 10-5pm; Sun. 10-4pm

525 North Thompson Ave

Wes Lingerfelt 805-929-3788

info@omsinc.org

San Francisco Gem & Mineral Society

San Francisco, Ca

August 23-24th; Sat. 10-6, Sun. 10-5pm

Ellen Knott

Ellen_knott@yahoo.com



Field Trips

AFMS MULTI-FEDERATION MONTANA FIELD TRIP

The town of Terry, Montana may be small, but they are planning on rolling out the red carpet for us as they host the AFMS 2014 Multi-Federation field trip gathering. The dates are July 31 - August 4, 2014, so mark your calendars and get ready to register! Terry is right in the middle of some of the best Montana rock hounding areas. Start planning your collecting vacation now. Kids are welcome! For more information, visit URL: <<http://www.amfed.org>>, or contact

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Doug True, Fieldtrip Chair, (406) 670-0506, email: <dtruefossils12@yahoo.com>.

Rock Hound Field Trip Fanatics

Time: June 21, 2014 all day

Location: Area 54, Panoche Hills, Western Fresno County, California

Organized By: **Kris W. Rowe**

Event Description:

Howdy, field trip fanatics!

This trip will combine collecting at Area 54, and prospecting into the Panoche Valley/New Idria area. With the reopening of Clear Creek, many closed areas in the Panoche's are now accessible. What will we find?

As usual, we'll meet at the Chevron Travel Plaza (Nee's Ave & I-5, Exit #385) at 8:30 am on Sunday, October 13, 2013, and depart for Area 54 at 9am.

Please be sure to check out the Area 54 Google MapsEngine map, linked above.

Area 54 is an awesome collection of farm & canal district rock piles and gravel pits in the Little Panoche Creek bed. We estimate a total area of over 120 acres. Jasper, agate, jade, serpentine, Blue G and chocolate magnesite are a few of the great cutting materials to be found here, mere feet from your vehicle. Most any street vehicle will easily reach this location.

Tool list:

Plenty of buckets, Sturdy gloves
wide brim hat, cool weather clothing

geologists pick or small sledge hammer
sturdy shovel, medium crowbar gallons of
water snacks, salty & sweet

If you're looking for a comfortable RV/dry camping spot, Area 54 is great. There are many, many acres of flat parking space, with fast food and fuel less than 10 minutes away. If you're looking for a little more upscale camping experience, Mercy Hot Spring is right up Little Panoche Road, and San Luis State Recreation Area is great, too!

For folks like me who consider "roughing it" to be a motel with no Wi-Fi, there's lodging nearby in Santa Nella & Los Banos. See the Google Map for more details.

We hope you can get away and come out to help continue to explore this prolific collecting site. We get surprised every time we go out there!

See more details and RSVP on Rockhound Field Trip Fanatics!:

<http://rockhound-field-trips.ning.com/events/event/show?id=5184272%3AEvent%3A55622&xqi=1rNsUgPo0K>

Rock Hound Field Trip Fanatics

Time: November 14, 2014 to November 22, 2014

Location: Mojave Desert

Organized By: **Kris W. Rowe**

Event Description:

The RFTF! 2014 Mojave Desert Rockhound Odyssey - November 14 - 22, 2014

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During the 2014 RFTF! Central California Odyssey, many attendees requested a Mojave Desert Odyssey. RFTF! member Desert Kat volunteered to help organize, and suggested we begin with the Victorville Gem Show, November 14 - 16.

This is your chance to help build the Odyssey itinerary by suggesting field trip sites. Victorville will be our base, since it's roughly 1.5 hours maximum drive to many popular Mojave Desert rock collecting sites.

Sites that we will be visiting:

California City to Boron -

Castle Butte - pet palm & wood, agate, jasper, etc.

Aerial Acres Onyx

North Boron - Jasper, carnelian, agate, etc.

Kramer Junction -agate, opal, chalcedony, jasper, etc.

Barstow Area -Lavic - jasper, agate

Cady's Mts. - jasper, agate, specimens, etc.

I-40 Thulite

Afton Canyon

Yermo

Victorville Area -

Verde Antique Quarry

RFTF! members, this is your chance to create a great trip! If you wish to suggest a trip site, volunteer to co-lead a trip segment or assist me in making this

another epic Odyssey, post a comment or send me a message.

Kris

see more details and RSVP on Rockhound Field Trip Fanatics!:



This month's gem was born in Taiwan. He finished his undergraduate work in aeronautic engineering and then decided on a Masters in mechanical engineering. He eventually came to the USA and while in Lincoln, California, he stumbled on a rock club. This was in 2007. Unlike most of our gems, this was his first introduction and interest in rocks. Most of our gems tell us how they started as kids and remember their mother's anger, because she found rocks in their jeans when she was doing the family washing..

He was also an amateur photographer and intrigued with the composition, emotion, lines of nature and the rocks began to speak to him. His favorite stone is malachite and if you have really looked at the stone you can see why they are his favorite.

He is divorced but has a girl friend and she is looking forward to his jewelry. He has two brothers and a mom who lives in Fremont. He is retired since 2006 and had

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lived in Sacramento until he moved to Lincoln and found rocks. His jobs included machine design and he worked for PGE as an engineer specializing in natural gas.

Since 1991 he has dabbled in real estate.

He loves to travel and will continue as long as she can. A great disappointment was a trip to Nepal. He wanted to climb that mountain but he couldn't.

When asked how he found our club he said he checked on the internet and one day decided to come in and see what we had to offer. He liked it and joined. He recently contributed turquoise to the club that he bought and Beth is hoping to enhance the stones. Who is our gem? Simon Chan. Sure glad so many engineers are finding us. We can use their expertise on fixing equipment. Gem of month--**Simon Chen**

BRAD SMITH BENCH TIPS



SAWING JUMP RINGS

The difficult part of making jump rings for me has always been holding the coil while cutting off the individual rings. I use

a saw to get the best fit when closing the rings later. I've seen all sorts of suggestions for ways to hold the coil, but the one that works best for me is this little jig made from scrap wood.

It's about 2 inches wide and 4-5 inches long with a groove cut down its length to cradle the coil of wire and a thin stop attached to the front end.

To cut the rings, thread your saw blade through the coil, hold the coil down in the groove and against the front stop, and saw at about a 40 degree angle.

Don't forget to use some wax or cutting lube. It really does make a difference. If you don't believe me, do an experiment while you're cutting a mess of rings. Count how many rings you cut before breaking a blade, first without lube and then with some every 6-8 rings.

SAVE WHEN BUYING SILVER

Silver products like sheet, wire, and casting shot are sold by the Troy ounce at what is called the spot price. That's what companies pay for the pure metal on the commodities market, and the spot price changes daily.

But in addition to the spot price, there is also a cost to fabricate the metal into wire or sheet, so the price of the item you buy is the cost of the metal plus the cost to make it. Different products have different fabrication charges because each takes a different amount of labor. Also, different companies will have different

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fabrication charges because of local labor rates and their desired profit margin.

You can save money by finding a company with a lower fabrication charge. Also, note that the fabrication charge per ounce is less on larger orders, so you can save more by buying more. Find a friend to place a joint order and split the shipping charges.

But for casting purposes, there's an even better way to save. Buy your silver at a coin store. They sell bars and rounds in pure and Sterling for the spot price plus about a dollar per ounce.

The local coin shop adds only a small profit over the spot price. Further, they often waive the sales tax on a cash buy. So I save about \$3 per ounce, pay no tax, no shipping charges, and support a local business.

Get all 101 of Brad's bench tips in "Bench Tips for Jewelry Making" on Amazon

<http://amazon.com/dp/0988285800/>

KIDS KORNER

By Elizabeth Bennette 15 yrs. Old

Considered one of the wonders of the world, the breathtaking Grand Canyon is a spectacle to behold. A few months ago, my family and I had the great opportunity to visit the South Rim of the Grand Canyon, in the Northwestern Area of Arizona. Visiting the Grand Canyon was amazing; we took photos from all of the looking points and enjoyed the wonderful scenery. About halfway through our tour of the canyon, my little sister asked me how the Grand

Canyon was formed. I told her that a combination of wind and water erosion created the crevices of the Grand Canyon. While she was satisfied with my answer, I felt as if I didn't answer it thoroughly enough. I still wanted to know more about the history of it's creation and why it was so unique. So when I returned from the trip, I decided to do a bit of research. I wanted to answer some specific questions about why there are layers of different colored rocks along the canyon, how the canyon itself was formed, and what aspects of the Grand Canyon served as clues that helped geologists understand the history of the canyon.

One of the incredible aspects of the Grand Canyon are the different layers of oranges, browns and whites along the rim and edges of the canyon. They provide scientists with crucial information of the age and development of the Grand Canyon. Almost a billion years ago, the area in which the Grand Canyon existed was much flatter and closer to sea level. As time went on and layers of rock and dust began building up, remnants of animals, plants, and other life forms were left in the area. The lowest and first layer of sediment, referred to as the "basement rocks," are the result of the collision of volcanic land masses. The heat and pressure from these collisions formed the foundation of the canyon. About 500 million years later, the Arizona environment was incredibly different. No longer was a volcanic site, the area a muddy and warm sea inhabited by crustaceans and other forms of small sea-life. Scientists

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were able to figure this out by analyzing and performing carbon-dating techniques on the shells and shale found in that particular level of the Grand Canyon. Roughly 300 million years later, the climate of the area was dramatically different. It resembled that of a desert, shown by the sandstone and fossilized reptilian and desert insect remains within that layer. From then on, the ever-changing landscape of the Grand Canyon has gained more layers and developed into the desert-like conditions that exist today.

As I continued my research, I was a bit confused as to when and how the actual canyon was formed. I understood that there were existing volcanoes, a desert, and even an ocean that existed in that location before, but I still had some questions regarding how the canyon was created. To answer these questions, I had to do some extensive research into the history of the Grand Canyon and the Colorado River, which flows through the Grand Canyon today. Geologists theorize that about 20 million years ago, the Colorado River, flowing from the Rocky Mountains in the central United States, began to carve into the Arizona area that is the Grand Canyon. Erosion from the water flowing against the rocks, pulling along stones, fish and plants, is the main cause for crevices in the canyon. The depth of the Grand Canyon gorge is due to a combination of this erosion and the emergence of the Colorado Plateau 17 million years ago. Created as a result of clashing tectonic plates, the plateau rose

three miles above sea level at its peak, exposing some of the lower levels of sediment and encouraging the Colorado River to cut even deeper into specific parts of the Grand Canyon. After millions of years of erosion, the Grand Canyon is almost 6,000 feet deep (roughly 17 football fields) and is still changing to this day. A century or two from now, who knows how the Grand Canyon will look?

A combination of timing and the powerful natural elements created the beautiful Grand Canyon. (Something that we can appreciate as mineral and gem collectors and aficionados.) The Grand Canyon is yet another example of nature's rare and fantastic work, and I felt so lucky to be able to appreciate it in person. I would most definitely recommend visiting the Grand Canyon Park with family and friends. Not only is it a great photo opportunity, but you'll leave with a renewed sense of appreciation for geology and nature.



HAPPY SUMMER EVERYONE!!!!!!!!!!!!!!

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Shop Schedule

(All shop session's members only)

MAP

- Monday** 10AM to 1PM, Lapidary
6PM to 9PM, Beginners only in lapidary
- Tuesday** 9:30AM to 12:30PM, need daytime supervisor
6PM to 9:00 PM, Lapidary,
- Wednesday** 9AM to 12:00PM, Lapidary
Library open 10AM to noon.
5:30 - 8:00 PM Lapidary
- Thursday** 10:00AM to 1:00 PM, Lapidary
7PM to 9 PM, Lapidary
- Friday** 9-1 PM Lapidary, Faceting (experienced only)
- Saturday** 9AM to 3PM, Faceting Class 9-12, Juniors,
w/supervisor's approval, lapidary
Library open 10AM to noon.
- Sunday** 9:30AM to 12:30PM, Lapidary

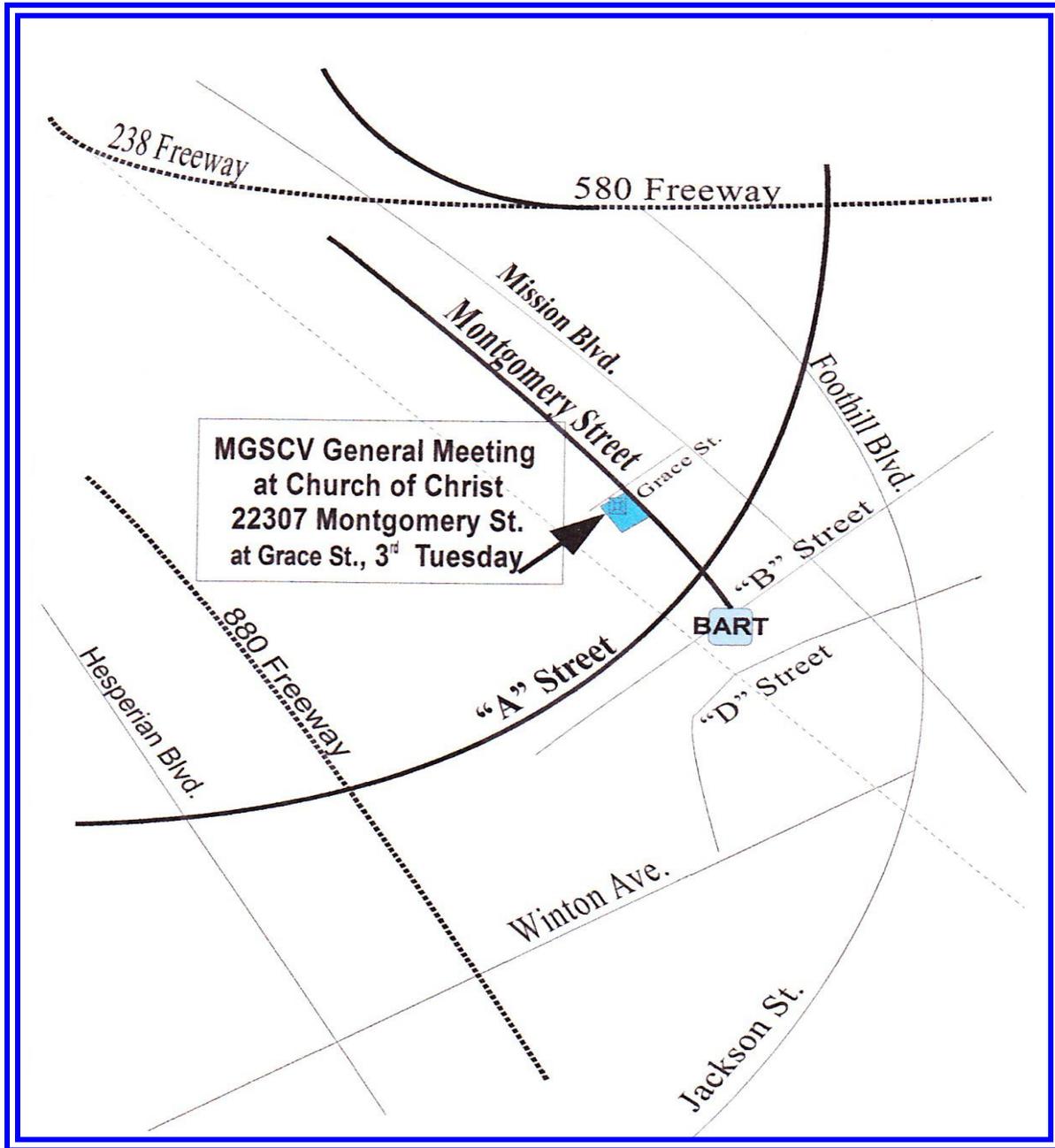


SHOP NOTICES:

Email us at info@mgs

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From I 580: Take the A Street exit and go west, turn right on Montgomery Street and go to 22307 Montgomery Street.

From I 880: Take the A Street exit and go East. Turn left on Montgomery Street and go to 22307 Montgomery.

From Jackson Street: Go north on Mission Boulevard, turn left onto A Street, then right on Montgomery Street and go to 22307 Montgomery Street.

MGSCV Petrograph - June 2014

Monthly Bulletin of the Mineral & Gem Society of Castro Valley, inc. Mineral & Gem Society of Castro Valley (MGSCV) Membership Application and Information



Membership is good for one calendar year from January 1st through December 31st. Please fill out and sign the application. Mail the completed form, a check for the dues **payable to MGSCV**, and a self-addressed, stamped envelope to - **MGSCV, Attn: Membership Chair, P.O. Box 2145, Castro Valley, CA 94546.**

Your membership is active upon receipt of your check and application. It will be processed and membership cards will be mailed to you within 4 weeks. Your email will be added to the list for the Petrograph, our newsletter. Your name will be added to the roster in the lobby at the workshop and in the drawing at the general meetings for cash prizes, if present.

We are a non-profit club whose sole purpose is the education of lapidary arts and geological sciences for all who are interested. **No products produced in the shop can be sold for profit.** All members should have or be familiar with the MGSCV Handbook. A copy is available for review in the club's lobby or one can be emailed to you by sending a request to info@mgscv.org.

Before any member may operate any equipment or take any class they must have completed an orientation and their first cabochon. **To schedule an orientation send an email to WorkShopManager@mgscv.org with your name, phone number, and a good time to call you.** During the orientation you will learn about the club and get a tour of the workshop. Monday evenings are reserved for beginners only.

Membership dues cover less than 10% of our annual operating costs. It is our annual show that funds the club, workshop and all activities. **A requirement of membership is that every member must work at the show for a minimum of 4 hours.** The show is always held the first full weekend of March, so mark your calendars. The show is fun to work and is the reason we have the best workshop/club in Northern California. Shop services such as rock sawing, casting, special classes (faceting, wire wrap, metal work, etc...) will not be available to members who do not work at the show.

Membership Chairperson

Type of Membership(s): (check all that apply) new membership renewal membership
 Single - \$35 Couple - \$60 Junior (11-17 with adult) - \$1 Junior (11-17 without adult) - \$5
 Associate - \$17.50 (former member living more than 100 miles away) Lifetime (voted in by the board)

After July 1st all new membership dues are half (½)

Name(s) (Please print all the names.)

Adults: _____

Juniors: _____

Address: _____

City: _____ State: _____ Zip: _____ Phone Number: _____

E-mail Address: _____

(Our monthly newsletter, the Petrograph, will be emailed to this address.)

Occupational Skills: _____

(Sometimes we are in need of advice and/or help in regards to electrical, plumbing, mechanical, clerical or other skills.)

Confidentiality: (check all that apply)

I do not want my address printed in the roster at the shop.

I do not want my phone number printed in the roster at the shop.

I do not want my email address printed in the roster at the shop. I agree with the By-laws and rules of the Mineral & Gem Society of Castro Valley (MGSCV).

Members Signatures: _____