



## Club Notes



**General Meeting:** Oct. 21 st. 2014 7:30 PM at the Church of Christ. Members with the last name that begins with A-D 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 Oct. 13th Board Meeting at the shop 7p.m.

**Show Meeting:** October 23<sup>rd</sup> at the shop 7:30



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**MGSCV Petrograph -October 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	<a href="mailto:President@mgscv.org">President@mgscv.org</a>	
Vice President -	<a href="mailto:VP@mgscv.org">VP@mgscv.org</a>	
Secretary - Sheryl Cooper	<a href="mailto:Secretary@mgscv.org">Secretary@mgscv.org</a>	(510) 589-8858
Treasurer - Betty Milam	<a href="mailto:Treasurer@mgscv.org">Treasurer@mgscv.org</a>	
1 <sup>st</sup> Year Director - Norm Hodgson	<a href="mailto:Director1@mgscv.org">Director1@mgscv.org</a>	
2 <sup>nd</sup> Year Director -Mike Cox	<a href="mailto:Director2@mgscv.org">Director2@mgscv.org</a>	
3 <sup>rd</sup> Year Director - Jodi Minshall	<a href="mailto:Director3@mgscv.org">Director3@mgscv.org</a>	
Federation Director - Mike McBride	<a href="mailto:Federation@mgscv.org">Federation@mgscv.org</a>	
Shop Manager - Beth Farmer	<a href="mailto:ShopManager@mgscv.org">ShopManager@mgscv.org</a>	
2014 Show Chairman - Cathy Miller	<a href="mailto&gt;ShowChair@mgscv.org">ShowChair@mgscv.org</a>	
Membership - Tony Cooper	<a href="mailto:membership@mgscv.org">membership@mgscv.org</a>	510-589-5292
Editor - Diana Cohoon	<a href="mailto:Editor@mgscv.org">Editor@mgscv.org</a>	
Past President - Ron Miller	<a href="mailto:pastpresident@mgscv.org">pastpresident@mgscv.org</a>	

#### Appointed

Scholarship Chair - Mary Howell  
Librarian - Mary Howell & Mark Montgomery  
Historian - Jamie McDonald  
Purchasing Agent - Beth Farmer  
Education Coordinator - Shirley Buschke  
Field Trip Coordinator- Brian Gray  
Parliamentarian - Doc Buschke  
Reception/Hostess -  
Sunshine Reporter - All members  
Door Prizes - Bonnie Andrade  
Web Master - Tony Cooper

[webmaster@MGSCV.org](mailto:webmaster@MGSCV.org)

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**Publication Staff**



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

**BOARD MEETING - September 8, 2014**

Submitted by **Sheryl Coope**

The meeting was called to order at 7:05 pm. In attendance were **Norm Hodgson, Mike Cox, Cathy Miller, Sheryl Cooper, Betty Milam, Diana Cohoon, Bonnie Andrade, Mike McBride and Jodi Minshall.**

**Treasurer:** We reviewed the June, July and August treasurer's reports presented by Betty Milam. Sheryl Cooper moved to accept the reports as presented. Diana Cohoon seconded the motion and it carried unanimously.

**Betty Milam** proposed to cash out 1 CD that is maturing this month and put it into the checking account to cover expenses. We discussed the matter and **Mike Cox** moved to cash out the maturing CD and put the money into our checking account. **Diana Cohoon** seconded the motion and it carried unanimously.

**Minutes:** **Norm Hodgson** moved to accept the May and June board minutes as printed in the Petrograph. **Mike McBride** seconded the motion and it carried unanimously.

**Shop:** Nothing to report. **Mike McBride** is figuring out his assistant shop manager position.

**Show:** We are starting to work on it. **Norm Hodgson** will pick out a piece for the raffle from **Ed Rigor's** collection. It was suggested we have a second piece for the raffle drawing, so two tickets would be drawn from all of the tickets purchased. The live auction will be moved to Saturday from Sunday. We still need to purchase geodes and tumbled rock. We still have positions that need to be filled. The show is 6 months away.

**Federation:** The federation is starting a safety committee and looking for a member from each club to participate in it.

At the June 2015 CFMS show in Lodi there will be a Sunday breakfast for all editors and webmasters.

**Editor:** **Diana Cohoon** is looking for your articles by the last week of the month.

**Membership:** There are 157 current members. All cards have been printed and placed in the holder at the shop.

**Juniors:** A couple of juniors are showing up on Saturdays.

**Field Trips:** The North Bay Field Trips organization is meeting on September 27th and we have someone attending the meeting.

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**Sunshine:** **Bev Ewing** passed away in June. **Fern Brown, Beth Farmer's Mom Ruthanne** and **Lee Chavez's helper Audrey Azevedo** passed away in August.

**Unfinished Business:** **Mike Cox** moved to change the By-Laws concerning the budget being printed in the Petrograph to now read "BUDGET COMMITTEE: The President shall, in November, form a Budget Committee to prepare the Society's budget for the next year. The Budget Committee shall complete their work in time to email the Proposed Budget to all members of MGSCV who have email, and to mail the Proposed Budget to those members who do not yet have email prior to the January General meeting. At the December Board meeting, the budget will be considered. If approved, it will be presented to the general membership at the January General meeting by the newly installed President. The budget will become effective at the start of the Society's fiscal year." **Norm Hodgson** seconded the motion and it carried unanimously.

**New Business:** **Norm Hodgson** is working on the county fair exhibits for next year and is inviting other clubs and the federation to participate.

The next board meeting will be October.13<sup>th</sup>

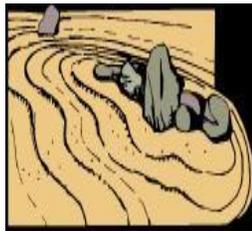
The meeting adjourned at 8:20 pm.

### **Announcements**

**General Meeting News** - The club would like to again try to have lapidary sharing as part of the General Meeting program. The club invites each member who attends the GM to bring in any lapidary related work they would like to share with the members. It can be something old or new, a work-in-progress or something purchased. How about a photo or a video, Surprise us. This is all about sharing the fun and love of all lapidary work. #2) **CFMS News** - The CFMS is forming a Safety Committee made up one member from each of the clubs in the Society. If you are interested in volunteering for this position please contact **Mike McBride** at [federation@mgscv.org](mailto:federation@mgscv.org) or leave a message on the shop phone (510) 887-9007.

I have returned to the club after a year's absence. At the general meeting I noticed that only a few of the 150 members attend. I have a suggestion that might increase attendance. I'm sure many of the members are like me and have a lot of rocks they can't positively identify. One of the good things about the club is the vast experience of many long time members. We could invite those of us with less knowledge to bring a few (3 or 4?) rocks to the meeting and ask the "experts" to help identify them. The senior members are very good at teaching classes and are helpful around the shop but this might be another way to stimulate interest.

Chuck Meyer



## ROCK RUMBLES

By Shirley Buschke

. Good to see **Gordon Matusumota** back at the shop. It's been years. He has been on a medical leave. He has finished a couple more pendants. Check them out in the auction case. Gordon has also donated to a couple other local fund raisers.

Our wandering shop foreman **Beth Farmer** is back after a short trip to Europe, Spain , to see her daughter and then on to London. She felt she needed a change of scenery. Her mother's passing was upsetting and then the Napa earthquake. Fortunately damage to her mother's house was mostly glassware dishes, windows, etc.

**Jim Ewing** is looking ten year's younger. Check out his "new" Porsche..

**Lee Chavez** offered another soldering class with three happy students he is a Great teacher. He is finishing the class October 5.

**Roland Araja** is one of our Saturday faceting students. He loves to invent his own patterns. He developed a new heart-like design. Another faceter announced someone had a similar design but **Roland**

knew his was an original. Kind of inferred **Roland** had copied the design.

Sadly we announce the passing of **Audrey Azeveda**. She was a member for years. Most of us remember her as the gal helping **Lee Chavez** in his booth at the shows.

We also heard **Russ**, who sold all those silver findings at our shows, also passed away recently.

**Pam Ausmus** made a donation to the shop . The material will be for sale at the shop or meeting Hope **Pam** is just taking a vacation and will see us again the future. Thank you **Pam**.

Visited the Chico show and were somewhat disappointed. Maybe we expected too much. Also did not have a good hotel experience which did not help. But the Monterey show was great. Seemed smaller than usual but **Doc** got some petrified wood in the silent auction so that made him happy. And a better motel experience. Also got our artichokes to bring home. Lots of activities going on in Monterey/Carmel and lots of people. Many changes in shops in Carmel and it seems art galleries are taking over. They are everywhere.

ROCK RUMBLE



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**SHOW SCHEDULES**

**RENO GEM & MINERAL SOCIETY**

Reno, Nev.

Oct. 10-12<sup>th</sup> Fri. 10-6; Sat.10-5; Sun. 10-3pm

Reno Town Hall

Corner of Peckham & So. Virginia St.

Theresa Langhans 775-475-0842

[theresalanghans@yahoo.com](mailto:theresalanghans@yahoo.com)

[www.renorockhounds.com](http://www.renorockhounds.com)

**SHASTA GEM & MINERAL SOCIETY**

Anderson, CA

Oct. 11-12 Sat. 9-5pm; Sun. 10-4pm

Shasta Fairgrounds

Briggs st.

Steve Puderbaugh 530-604-2951

[steve@applyaline.com](mailto:steve@applyaline.com)Website

[www.shastagemandmineral.com](http://www.shastagemandmineral.com)

**NAVADA COUNTY GEM & MINERAL SOCIETY**

Grass Valley, Ca

Oct. 11-12<sup>th</sup> 10-5pm daily

Naveda County Fairgrounds

11228 Mc Courtney Rd.

Todd Lawson

[ncgms@hotmail.com](mailto:ncgms@hotmail.com)

[www.ncgms.org](http://www.ncgms.org)

**EL DORADO COUNTY MINERAL & GEM SOCIETY**

Placerville, Ca

October 18-19, 10-5pm daily

El Dorado County fairgrounds

100 Placerville Dr.

Bob Gratton 530-676-2472

[info@rockandgemshow.org](mailto:info@rockandgemshow.org)

[www.eldoradorocks.org](http://www.eldoradorocks.org)

**SAN LUIS OBISPO GEM & MINERAL CLUB**

Cayucos, Ca

October 25 & 26<sup>th</sup> 9-5pm daily

Cayucos Vets Hall

10 Cayucos Dr.

Kim Patrick Noyes 805-610-0603

[kimnoyes@gmail.com](mailto:kimnoyes@gmail.com)

[www.slogem.org](http://www.slogem.org)

**CONTRA COSTA MINERAL & GEM SOCIETY**

Concord, Ca

November 1<sup>st</sup> & 2<sup>nd</sup> 10-5pm daily

Centre Concord

5298 Clayton Rd. (Near Ygnacio Valley rd.)

Harry Nichandros 925-289-0454

[Show-c@ccmgs.org](mailto:Show-c@ccmgs.org)

[www.ccmgs.org/gem\\_show](http://www.ccmgs.org/gem_show)

**SUTTER BUTTES GEM & MINERAL SOCIETY**

Yuba city, Ca

November 8-9; Sat. 10-5pm, Sun. 10-4pm

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Yuba Sutter Fairgrounds  
Franklin Hall  
422 Franklin Ave  
Katie Slightam 530-673-9649  
[mkalternatives@comcast.net](mailto:mkalternatives@comcast.net)



**Field Trips**

**ROCK HOUND FIELD TRIP FANATICS**

Sat. October 18th

Meet at the chevron plaza (Nees Ave & I5,  
exit 385@8:30, depart at 9:00 am

Bring a bucket, Heavy duty gloves, wide  
brimmed hat, cool weather clothes,  
Geologists Pick, shovel, medium crowbar,  
gallons of water, salty sweet snacks. There  
is plenty of room to park, and a camp  
ground not far from the area. There is a  
motel with no Wifi in Los Banos, or Santa  
Nella

Our gem is a trend setter. I Haven't  
decided if that is a good idea. He was born  
at Camp Stoneman in Pittsberg, Ca. It no  
longer exists. His dad was in the military  
scheduled to leave Stoneman for Guam  
when he became ill and had to retire. Our  
gem grew up in San Lorenzo, attended  
Bishop Doud High School and graduated  
from California College of Arts and Crafts,  
which now has a new name. While there he  
majored in print making, almost a lost art  
today. He went to work for the  
Oakland/Piedmont Judicial System and you  
guessed it. It no longer exists. It is now  
part of the California judicial system.  
Everything he attends goes out of  
existence.

Our gem was married but lost his wife  
and he raised his then 10 year old daughter  
who is now a successful archeologist for  
the state .

Our gem enjoyed visiting the gem show  
when it was at Centennial hall. Somehow he  
found his way to the shop and **Willy** took  
him under his wing. He especially likes  
cabbing and has quite an extensive  
collection. He has no favorites except the  
one he is working on at the moment. He

likes to make big stones so he can capture the beauty of the structure impossible to show in a small stone.

Our gem says he always has wanted to be an artist but his career never led him to a professional job. He occasionally paints and sketches. Mostly he works in water colors. Hope he brings an example in one of these days.

Of course you know he is a vintage gem. Camp Stoneman existed years ago. Our gem has a brother and sister and a fairly new son-in-law. He works where needed at the show, driving the truck, heading security, etc. teaches newcomers and he is junior mentor. Now you know who we mean. **Mark Montgomery.**

### **BRAD SMITH BENCH TIPS**

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

Making" on Amazon

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

### **SILVER DISCOLORATION**

Working with jewelry involves an ever increasing number of skills.

Chemistry is one of them that comes into play when dealing with a discoloration on the metal caused by a chemical reaction between it and the environment.

In the case of Sterling silver there are three discolorations we typically encounter: a tarnish, a firescale, and a firestain. Each

is different in its cause, in its cure and in its prevention. All three have to do with the metals in the Sterling alloy (92.5% silver and 7.5% copper) and how they react with oxygen and the heat of soldering or with pollutants in the air over the long term.

Tarnish is a grayish coating that builds up slowly on the surface as a result of a reaction of the silver with sulfur-based compounds in the air. Typically these are pollutants from the burning of petroleum fuels, but they can come from other sources as well. I once tarnished all the silver in my display case by putting a pretty specimen of

Iron Pyrite in with the jewelry. Turns out Pyrite has sulfur in it!

Sulfur combines with the silver to form a grayish silver sulfide film on the surface.

Preventing tarnish involves keeping sulfur away from the metal. Plastic bags will help, and anti-tarnish strips are available from jewelry supply companies to pack near your items. Tarnish is easily removed by hand polishing with a jeweler's cloth or with one of the products sold for cleaning the good silverware for holiday dinner.

Another way is to remove it chemically. Put a piece of aluminum in the bottom of a dish large enough to contain your piece. Heat enough water to cover the silver. Mix in 2 tablespoons of sodium carbonate per cup of water and pour into the dish. Be sure the silver touches the aluminum.

Sodium carbonate is the main ingredient in washing soda. Read the labels in grocery and hardware stores.

The second type of tarnish is called fire scale. It is the dark gray to charcoal colored film that forms on Sterling or other copper alloy like copper or bronze when we heat it with a torch. The copper in the alloy reacts with oxygen in the air to form a dark cupric oxide coating on the surface. Luckily, the oxide is easily removed by dissolving it in a mild acid - generally called a pickle. It's important that we not let firescale form on a solder joint because it will block the flow solder over the joint.

Prevention can be done two ways. Most common is to use a flux, a borax-based solution applied to the metal before soldering. When melted, borax forms a thin glassy layer that keeps oxygen away from the metal. A second way is to do your soldering on a charcoal block. Together with the flame, charcoal greatly reduces the amount of oxygen in the area being soldered. In either case oxygen is prevented from reaching the metal, so no cupric oxide firescale is formed.

A second oxide can also be formed when soldering copper or a high copper content alloy like bronze or brass. It's called cuprous oxide and is reddish in color. That's why a black looking piece you put in the pickle sometimes comes out red. Problem is that while the black cupric oxide is dissolved by a pickle, the red cuprous oxide is not. The discoloration can be

sanded or polished off, but an easier way is to use a "super pickle". This is a mixture of fresh pickle with a healthy shot of hydrogen peroxide from the local store. I've saved the worst form of discoloration, firestain, for last. Think of firescale (above) as like getting dirt on your shirt that you have to wash off. Firestain is like getting ink on it. The discoloration is not just on the surface, it seeps down and stains the material. Firestain happens when we heat a piece of silver too hot, too long, and/or too many times.

Firestain occurs when the oxides start to build up below the surface of the metal. You generally don't notice it until after polishing. It appears as a darker area of the surface and is easy to spot when viewed under light bounced off a piece of white paper. Because firestain is below the surface, there's no easy bench tip solution.

Depletion gilding may work for some pieces. Otherwise, removing it calls for sandpaper and aggressive polishing.

A much better approach for a piece that will require a large number of solderings is to protect the metal from developing firestain by applying liberal coats of a fire coat. Regular soldering flux will provide some protection but will not be as effective as preparations made specifically for the task.

## **SOLVENT DISPENSER**

Frequently I need to fill a small bottle with alcohol, like an alcohol lamp or one of the nail polish bottles that I use for the yellow ochre anti-flux. Often I can't find a small funnel and end up spilling almost as much as I get into the bottle. It's wasteful, and the fumes can't be too good for you either.

A neat and inexpensive solution is to use a lab dispensing bottle to store small quantities of the solvents you frequently use. It has a wide mouth for filling and a fine tip for dispensing. You can get a small stream or just a drop or two. With the bottle's fine tip I don't spill a drop.

There are many suppliers on Google. One I've used is Carolina Biological Supply Company at [www.carolina.com](http://www.carolina.com) The bottle is Catalog # 716580 Unitary Wash Bottle, Low-Density Polyethylene, 125 mL US\$ 5.35

## **KIDS KORNER**

**By Elizabeth Bennette 15 yrs. Old**

Elizabeth's Geological Wonders of the world

About 15 years ago, the New7 Wonders Foundation was founded to determine the true Wonders of the World from a selection of monuments significant to society. 100 million votes from people all around the world established sites such as the Taj Mahal, Great Wall, and Roman Coliseum as official members of the

New7Wonders. However, as I looked at the list, I was confused as to why no geological sites were considered to be a Wonder of the World. While the official seven Wonders have historical significance, geological wonders have provided thousands of scientists and explorers with new examples of phenomenons and ecosystems that are almost otherworldly. Therefore, I've compiled a list of my top three favorite little-known geological wonders from all around the world that are guaranteed to blow away any tourist:

1) Door to Hell- Derweze Crater (Turkmenistan):

Known to the local residents of Turkmenistan as the "Door to Hell," researchers and tourists are continuously awed by this 100 foot deep, fire-filled crater. The pit itself was formed about half a century ago as a result of Soviet oil miners' drilling. As the miners drilled, they eventually tapped an area within the earth containing poisonous gasses. In order to prevent the leaking of the gas, the gas was lit on fire, in an attempt to burn it off. However, the natural poisonous gas within the crater has never stopped burning since the day it was lit, still roaring with flames almost 50 years later. The thousands of simultaneous fires existing within the 230 foot wide volcano-like crater are both enchanting and terrifying to any visitor. The first explorer to descend into the crater was George Kourounis, who described his experience as "literally like [looking at] another planet... "surreal" isn't

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a strong enough word" (Nunez, National Geographic). During his exploration, Kourounis collected samples of the soil at different levels of the pit, measured temperatures and levels of gas in the environment. These samples will be analyzed, so scientists and other researchers can determine what kind of life exists in that atmosphere, and what sort of impact the burning pit will have on the environment in the future. This effort proves the Derweze Crater is not only an incredible sight, but also a fascinating scientific find.



floods and monsoon exposure has led the canyon to have the incredibly deep cracks that currently exist. Because the walls of the Antelope Canyon are incredibly high and close together, the ever-characteristic sun beams that shine through the walls of the canyon are easily seen and make the canyon all the more beautiful. The way in which these sunbeams shine upon the walls of the canyon emphasize the smoothness and layered oranges and reds of the canyon walls. Photographers, artists, and naturalists often visit the the site to witness the picturesque views from within Antelope Canyon.



### 2) Antelope Canyon (Arizona):

My first reaction after looking at a few photos of Antelope Canyon in Arizona was complete awe. Seeming incredibly similar to the screen savers found on our desktop computers, Antelope Canyon is a slot canyon, a deep and narrow crevice in the ground typically formed by weathering and erosion. The area in which the canyon exists is mostly made up of Navajo sandstone, an easily impressionable material. Therefore, centuries of flash-

### 3) Giant's Causeway (Ireland):

The last, and my favorite, geological wonder is Ireland's "Giant's Causeway," a coastal area composed of various sized interlocking columns that form structures that range from 40 foot tall cliffs to cascades of rock piles that disappear into the sea. These columns are made of basalt, and have formed over the past 50-60 million years. When the lava that covered the surface of the earth that existed billions of years ago began to cool, both

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vertical and horizontal cracks begun to form as the lava contracted. Each pillar is quite unique in its size and shape, despite their uniform, pillar-like shape. The color, size and shape of each of the pillars depends on its level of exposure to water, wind and sun, and the rate at which the lava it was made out of cooled. As if the causeway on the Irish coast was not incredible enough, yet another one exists off the Scottish coastline of Staffa. Both Irish and Scottish residents link this phenomenon to an old tale of two giants, one Scottish and the other Irish, who have never met, but were determined to establish who the stronger one was. In order to meet and determine this, they each built causeways that spanned the distance between the two coasts. However, on the morning of the strength-determining battle, the Scottish giant saw the gigantic size of the Irish giant from afar, and out of fear, destroyed most of the causeway. While it is extremely unlikely that the causeways were formed by giants, the old story indicates Ireland's cultural influence and connection to the causeway, making it not only a scientific and historic wonder, but also an incredibly important symbol of Irish heritage.



I would like to thank **Elizabeth Bennette** for her research and follow through on all of her articles for our monthly Petrograph.

Her hard work is greatly appreciated by me and all members.

I would like to encourage other young people in our club to write something as well. It doesn't have to be elaborate, just write about what you are doing at the shop, or what your interests are. Send them to me at [editor@mgscv.org](mailto:editor@mgscv.org).



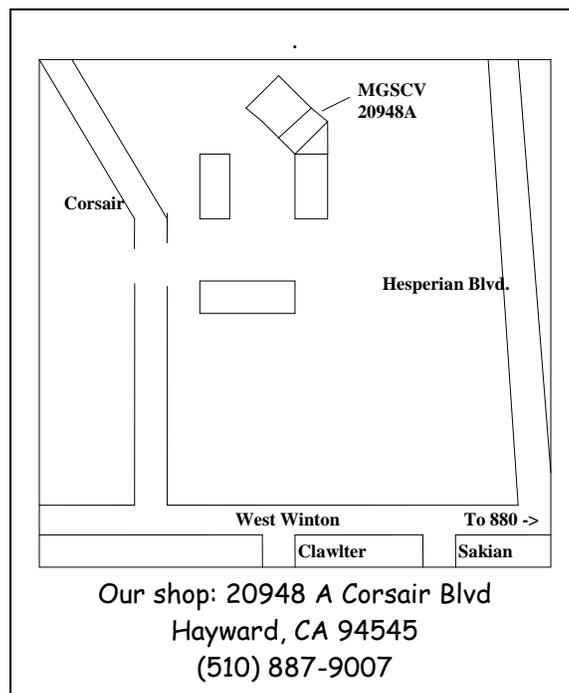
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**Shop Schedule**

**(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

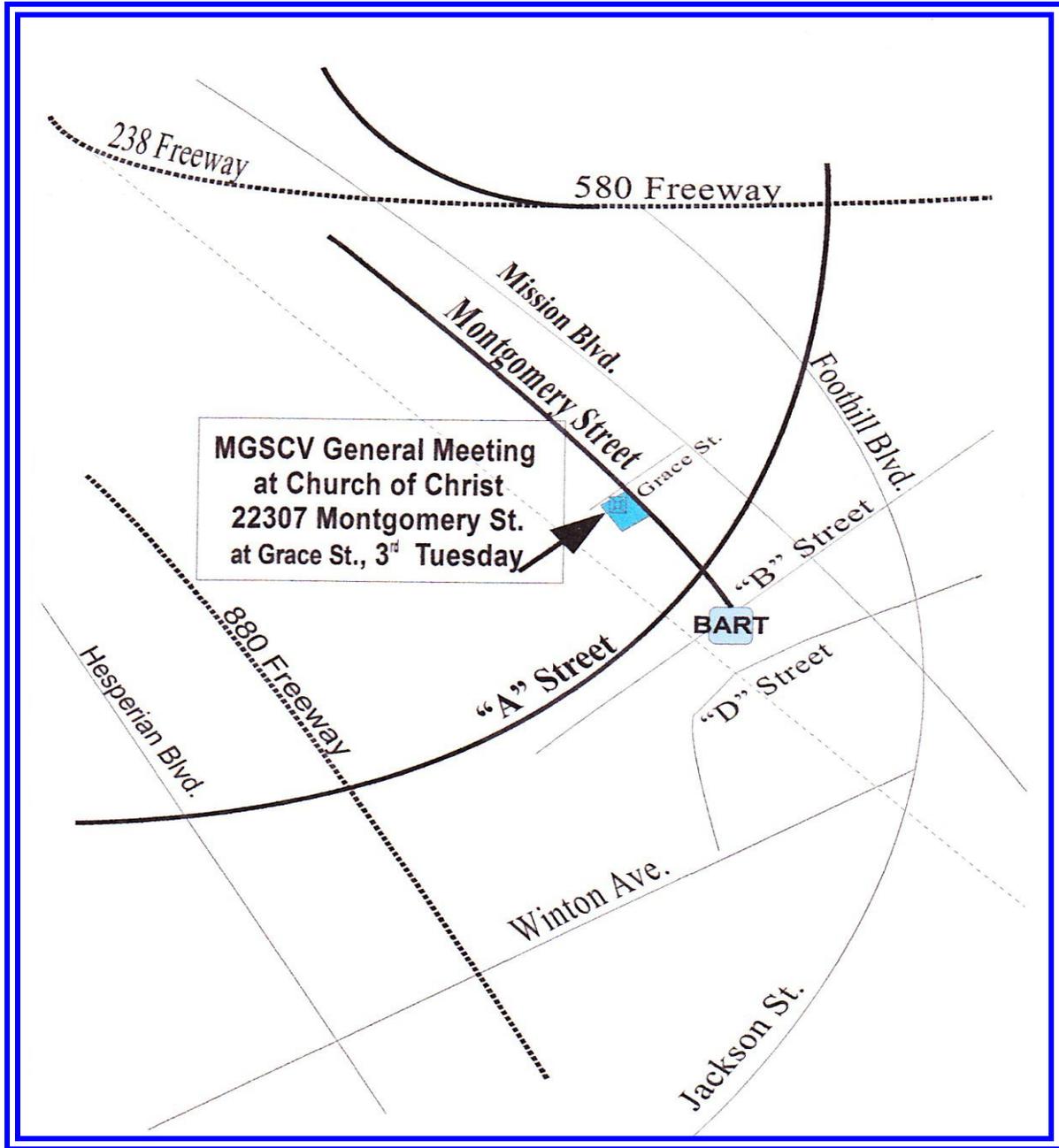


**SHOP NOTICES:**

Email us at [info@mgs](mailto: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.**

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**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](mailto: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](mailto: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.

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

\_\_\_\_\_ **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: \_\_\_\_\_