



Club Notes



General Meeting: Dec, 17th 2013 7:30 PM

This is the **Christmas Dinner** and members need to bring a dish. If your name begins with **A-F** bring a salad; **G-P** dessert; **Q- Z** hot side dish

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 Dec. 11th Board Meeting.

Show Meeting: Thurs. Dec. 5th p.m. at the shop upstairs.



Happy Holidays

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MGSCV Petrograph - December 2013
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 - Mike Mc Bride	VP@mgscv.org	
Secretary - Sheryl Cooper	Secretary@mgscv.org	(510) 589-8858
Treasurer - Betty Milam	Treasurer@mgscv.org	
1 st Year Director - Michael Cox	Director1@mgscv.org	
2 nd Year Director - Jodi Minshall	Director2@mgscv.org	
3 rd Year Director - Norm Hodgson	Director3@mgscv.org	
Federation Director - Ron Hasemeyer	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 - Ron Hasemeyer	
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

Nov. 11th 2013

Submitted by Sheryl Cooper

The meeting was called to order at 7:00 pm. In attendance were **Bonnie Andrade, Mike McBride, Sheryl Cooper, Betty Milam, Beth Farmer, Diana Cohoon, Cathy Miller, Norm Hodgson, Jodi Minshall and Mike Cox.**

Treasurer: The October treasurer's report by **Betty Milam** was reviewed. **Norm Hodgson** moved to accept the reports as presented. **Beth Farmer** seconded the motion and it was carried unanimously.

Minutes: **Beth Farmer** moved to accept the October board minutes as printed in the Petrograph. **Jodi Minshall** seconded the motion and it was carried unanimously.

Shop: The Open House and Sale brought in about \$1400 last month. **Beth Farmer** installed a stopper to the Genies pans to stop the over grinding.

Show: **Cathy Miller** says it is coming together. The show is about 3 months away from set up. She is still looking for managers. There will be food trucks all three days. The next show meeting will be December 5th at 7:00pm at the shop.

Editor: Email **Diana Cohoon** at editor@mgscv.org with your articles.

Membership: We have received our first 2014 membership. It is time to renew your membership.

Field Trips: **Brian Gray** went to Area 54 to check it out. He didn't see much where he was at. Other people have found things so he will check with them on where to go.

Sunshine: It was sad to hear that **John Gullak** passed away.

Announcements: The General meeting this month is also a Christmas party. It will be on December 17th at the church.

Unfinished Business: **Bonnie Andrade** went to the Federation meeting in Visalia. They updated the federation by-laws and talked about how to attract juniors. There was a discussion saying show exhibitors are covered by their own Home Owners or their own Personal Property Insurance. The Federation show will be in Pasadena in 2014. She also found out our club is #45 with the CFMS.

New Business: The budget was reviewed and adjusted. **Beth Farmer** moved to accept the budget with the changes discussed. **Jodi Minshall** seconded the motion and it was carried unanimously.

Mike McBride decided to step down as VP and step up as Federation Representative. The directors have agreed to shift up and the third year is willing to be the first year director.

The club donated rock to the Sacramento State Geology Department for their scholarship auction.

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We discussed changing the membership drawing for the general meeting. Right now if your name is drawn from the container of current members and you are present at the general meeting, you receive \$100 from the club. The amount never changes from month to month. **Mike McBride** moved to start adding \$5 per month with a beginning amount of \$100 at the January 2014 general meeting, until there is a winner. Then it would return to \$100 and climb by \$5 each month until the next winner. **Diana Cohoon** seconded the motion and it was carried unanimously.

The next board meeting will be Dec. The meeting adjourned at 8:45 pm.

GENEREAL MEETING

Submitted by **Sheryl Cooper**

Nov. 19th 2013

Bonnie Andrade called the meeting to order at 7:45 pm. There were 17 members present.

Minutes: **John Caudill** moved to accept the October minutes as printed in the Petrograph. **Betty Milam** seconded the motion and it carried unanimously.

Program: Faceting by **Jim Ewing**

There was a faceting machine set up and **Jim Ewing** demonstrated how to use it. He said we cannot do diamonds because we don't have the correct wheels. You lose 75% of the material when you facet it. Beginners are given a piece of CZ for their first facet. CZ is mainly used which you can get

in any color for 6 cents per carat. You can also facet crystals. **Jim** went over how the machine works and what the dials mean. You can sign up to get lessons on the faceting room door.

Show and Tell

Beth Farmer brought in beautiful wood items from her travels through Papua New Guinea, Hawaii, Mexico and other places. **Cathy Miller** shared an assortment of lava rock. They ranged from heavy to paper weight.

Neil Delfino displayed a piece of Red Jasper he collected from Area 54. When you look at it you see an alien on it.

Bonnie Andrade showed us a slab of Big's Jasper with a cow's face and a slab of Brazilian Agate.

Shop: The rock sale at the open house went really well. We made a little over \$2000 from the donated material. **Beth Farmer** has three small projects for someone to work on. 1) The old fluorescent light bulbs need to go to the recyclers down the street from the shop. 2) The drill press arm is falling off and needs to be re-tapped. 3) The on/off switch needs to be changed out on one of the saws.

Show: The show is 3 months away from set up starting on February 17th. **Cathy Miller** is still looking for a skirting manager, a signs and banners manager, and a food manager. For Friday we also need a security manager and a geodes manager. We have exhibit cases available still. If you don't have enough for a whole case, find someone to share a case with you. The next show

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meeting will be Dec. 5th at 7:00 pm at the shop.

Editor: Keep sending in your articles to **Diana Cohoon** at editor@mgscv.org by the last week of the month.

Membership: There are currently 170 members and we have received our first 2014 membership renewal.

Sunshine: **Mary Howell** is very busy with her husband, **David Howell**.

John Gullak passed away. The ceremony will be at the Veteran's Cemetery in Dixon. More information will be available later.

Education: Instructor and show dealer, **Lee Chavez** has been coming in on Wednesday mornings to help anyone with soldering and learning to cut his first cabochon.

New Business: **Doc Buschke** is selling tickets for the turquoise tree raffle at the Christmas Party. All the money is donated to the shop. Last year the raffle brought in \$400 and Doc would like to sell more this year.

Mark Montgomery and **Betty Milam** collected 2 boxes worth of rocks from around the shop to donate to Sacramento State Geology Department for their auction. This auction is to raise money for their student field camp.

The December 17th general meeting is our annual Christmas Party. Doors will open at 5:00 pm and dinner will start at 6:00 pm. **Beth Farmer** is cooking a ham and **Betty Milam's** husband is cooking a turkey. The front of the Petrograph shows you what to bring by last name.

Drawings: The name for the \$100 member drawing was **Victoria Tran**; unfortunately she was not present to win.

Attending Member Tickets - **Diana Cohoon, Amy Burroughs, Sheryl Cooper, Neil Delfino, Michelle Bennett, Shirley Buschke, Cathy Miller, Stephen Caudill-Merida, Mark Montgomery, Betty Milam, Jim Ewing, Maya Caudill-Merida, John Caudill, and Beth Farmer**

The meeting adjourned at 8:30 pm and the silent auction was wrapped up.



ROCK RUMBLES

By **Shirley Buschke**

Not much time left to do those Christmas presents. If you are short of time check out some of the buys we have at our store. Many members have generously donated to the club with the idea that members can make a donation for supplies. Every dollar helps meet our expenses. Our recent rock sale included a large donation of tiger eye by one of our members. Most of the findings came from **Jodi Minshall**. **Beth Farmer** found some nice stands you may purchase.

Nice show in Livermore. Pasquinis and Buschkes were among the exhibitors. Met a former member, **Sue Fernandez**, who now belongs to the Livermore club. She

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remarked she finally found some leaves to put on the wire tree she started when she was a Castro Valley member.

Dick Friessen has published a book on stone carving. It is available from the Kleins. Don't remember what the cost is. Dick also offers classes in carving.

Sadly we announce the passing of **John Gullak**, our faceting instructor. We really thought **John** would be with us forever because he fought off so many set backs. We will really miss him as an instructor and as a special friend. Daughter **Cheryl** has arrived from Canada and will be here for awhile.

Lee Chavez has been joining us on many Wednesday mornings. He is willing to help anyone having trouble with soldering. He travels from Gilroy, a trip that takes about 1 1/2 hours.

Former member **Getta Stedeford** sent this message-- "Don't regret growing older, It is a privilege denied to many".

Don't forget our turkey dinner on the 17th. It's pot luck so other than turkey and ham, we don't know what goodies will show up. It's always fun. See cover of Petrograph for suggestions.

Roger Thornton has returned for his annual visit. He showed us some of his collection of jade from Jade Cove, he has quite a collection including a curved blade of jade for a letter opener. He laughed about the time he tried to make jade chop sticks. They kept breaking so he settled for pins for his wife's hair. He usually donates one of his knives for our auction. If he does,

save your money for the auction. Bidding should be high.

Because metal costs are up, some are turning to other materials. Years ago I remember the rage to make beads of paper. Choose a fancy gift wrap paper and cut as an elongated triangle. Use glue and wrap around a knitting needle. Remove, Let dry and paint. Place as the accent bead on a chain or cord. Happy Holidays

ANNOUNCEMENTS

SHOW MANAGERS NEEDED. The club needs volunteers to help manage certain areas during our show. We will train people in these areas if needed. The manager helps direct volunteers on the task at hand. They help organize these areas and see that things go smoothly. If you have questions email the show volunteer coordinator mikemacbride@comcast.net or would like to volunteer, come to our monthly meeting. The following are positions that need to be filled: 1) Security Manager for Friday only assign radios and jackets 2) Food Service Manager who coordinates the trucks vendor dinner, coffee, and a limited snack bar 3) Sign Manager 4) Lighting Manager, setting up and taking the lights down extension cords and helping with our showcase lighting. 5) Skirting Manager for Monday, Wednesday, and Sunday takedown only, and skirting vendor tables. 6) Geode Cracker Manager for Friday only cracking Geodes for the public. 7) Spinning Wheel Manager at the youth spinning wheel. Please volunteer for one of these positions and help continue to make the show the best in the west. Thanks. Mike Mc Bride

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We need a Vice President for the club by January 1, 2014, it's about time for some newer people to participate. The V.P. coordinates the program for the general meetings, is a voting member of the board.

Beginning 1/1/2014 we will add \$5.00 to the pot for the membership drawing until someone wins the pot. You must be at meeting to win the jackpot. This Editor won not too long ago !

SHOW SCHEDULES

Orange Belt Mineralogical Society

San Bernardino, Ca

December 13-15th, 9am to dusk daily

Western Regional Little League Ball Park

6707 Little League Drive

Ken 909-381-0089

kengard@roadrunner.com

<http://OBMSrocka.yosalite.com>

Field Trips

Rockhound Field Trip Fanatics

Area 54 Last Blast

Firebaugh, Ca

December 28th, 9-5pm

Nees ave & I 5, Chevron Travel Plaza

559-250-5057

Contact Kris Rowe @

<http://rockhound-field-trips.ning.com>



GEM OF THE MONTH

Submitted by Shirley Buschke

This month's gem of the month had as many jobs along the way as the late **John Gullak**. He was born in Oakland and graduated from Castlemont High School. While there he was able to participate in an Upward Bound program at Mills College under the direction of a psychology professor. Later he went to a skills center where he became a machinist. And Beth Farmer jumped at the chance when he told her he had a geode breaker. He is putting it in working condition for our show.

Our gem had a progression of jobs, Continental Can, Container Corporation of America, and then he heard of an opening at the East Bay Regional Park System where he became a ranger and finally a fireman. Before that he found a bride; he was a little young, 19, but he had 28 great years and a wonderful daughter who has blessed him with 9 grandchildren. There were two sets of twins among the grand children.

Our gem retired about 6 months ago and he is looking for acreage but so far no luck locally. He has lots of farm experience. He

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has taken care of horses at Bollinger Canyon where his first job at Regional Parks was to take care of horses. He has also had a herd of goats which kept grasses in check in the Oakland Hills.

When asked how he got interested in rocks, he said he always liked to pick up rocks. His dad had gold claims around Yosemite area and it was fun to pan for gold. and when he met **Ken Miller** at the Regional Parks, he learned about our club.. He liked Ken's products and thought he would like to try his hand at lapidary. He loves opals and malachite and is currently taking a faceting class.

But his greatest love will be fulfilled in the near future as he prepares to enter the ministry. Who is our gem? Dave Davis, that's who.

BRAD SMITH BENCH TIPS



MINI DRILL PRESS

If you find yourself drilling a number of small holes for your work, you might want to look at the small, inexpensive drill presses now available. They take up just minimal space on your bench and are always ready to give you nice straight holes. Some models even have a variable speed control. I've

been very pleased with a low-priced one that's been well-used in my classes for over a year.

Because these machines are only a foot high, they're limited as to the size of workpieces that can fit into the machine and the size of the drill bits you can use. But I've had no problems with drill bits up to about 3/16" (4.5mm), even drilling steel.

The machines are sold by a number of companies. If you do get one, be sure to buy a spare belt because they are generally not available at local hardware stores.

LASER WELDING

A question came up this week about how to solder some jump rings to hold blue topaz briolette onto a necklace. We've all heard about ways to do some soldering close to a stone, and some of us have sized a ring without taking the stones out of their mounts. We've used wet paper towels, garnet sand, cooling gels, and my favorite of suspending the stone in a dish of water. All techniques bank on the principal of using a small, hot flame to do the job quickly before the stone gets hot enough to crack or change color.

But each job is somewhat of a gamble. Some stones are hardy and some take a lot of heat, but I'd never chance it with the likes of topaz or opal. Trying to shield a stone from the torch is always a betting game, and sometimes you lose.

If you're worried about soldering something close to a stone, perhaps it's time to consider a no-heat method like

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laser welding. Most jewelry stores have laser welders these days, and the cost of having it done is quite affordable. They used to have problems doing silver, but now seem to do it routinely.

I've used a local shop twice in the last year, once for a piece with little emeralds a "friend" asked me to repair and for a second piece where I needed a safety catch and didn't want the torch heat to expose all the solder lines again.

More Bench Tips by Brad Smith are at [facebook.com/BenchTips/](https://www.facebook.com/BenchTips/)

or see the book "Bench Tips for Jewelry Making" on Amazon

KIDS KORNER

By Elizabeth Bennette 15 yrs. Old

One of my favorite parts of being a member of the Mineral and Gem Society is attending our annual show. Each year, I am amazed at the number and variety of dealers who participate as well as the great products that they display for sale. However, I have never had a chance to experience another club's show until recently. About a month ago, I saw an advertisement for a gem show in Concord. Intrigued, I looked online to find out more information and learned the location as well as the date and time the show would be held. I shared my discovery with my mom and younger sister, and we decided to attend Concord's Gem Show which was being held that weekend. Arriving at the venue, I was not sure what to expect since it was my first show outside of our own. So I tried to

keep an open mind about what I would see. When I walked into the hall, I was greeted by many familiar sights such as a table at which raffle tickets were being sold, a case full of door prizes, and signs pointing towards a fluorescent stones room. The main hall was roughly the same size as ours, with dealers manning tables around the edges of the room while the rest occupied rows in the center. Amongst these dealers, I saw some incredible new pieces that I would never have thought of, let alone been exposed to. Some of my favorites included an underwater scene carved out of a grey-blue stone, the largest piece of jade I have ever seen, and my favorite, a variety of slabs. While I have seen slabs cut from different types of stones at many of our shows, these were unique. The artist had transformed designs on the slabs into mountains, rivers, and forests, just by adding paintings of animals and plants. These pieces were great examples of how two different art forms could combine to make beautiful pieces of art.

Though my mom and I were fascinated by all the different stones and jewelry the dealers were selling, my younger sister was much more interested in the children's activities they had there. Similar to our show, there was a spinning wheel station, which they called "grab bags," and all the kids were able to spin a wheel and get a bag full of tumbled stones for 50 cents. This was quite a deal! My sister loved it, and was very happy with her jasper, quartz, and amethyst stones. Located in the same hall as the "grab bags" station, there was a rocks identification area that taught kids

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about different kinds of rocks, their name, and characteristics. They did so by giving samples of commonly found rocks (like obsidian, chrysocolla, and limestone) to kids, and asking them to sort and label the stones, based on their descriptions. My sister had a great time exploring and learning about the different rocks, and still has a few of the samples.

The last part of the show, were the demos, which included some presentations that we didn't have in our Castro Valley show. The one that stood out to me was the gold panning display. The man doing the demo carefully explained to the crowd, in great detail, the process of going into a river, collecting a sample of dirt, and rinsing out the sample until only pieces of gold were left. He uses a series of different sized pans to collect potential gold samples. After collecting soil from a river, he described how he would swirl the dirt and water around the pan, until he is able to sift the lighter dirt out. This process continues until there is very little dirt left in the pan, and then he places copper beads into the pan, along with the gold flecks, water, and remaining dirt. The copper beads serve as a marker, due to their weight, which is half of the gold's. If the copper beads still remain in the pan after more sifting, the gold prospector knows that the gold has not yet been rinsed out. The man doing the demo, who calls himself "Sourdough Joe," is finally able to gather up all the gold in the pan after about 10 different washing cycles, and uses a pump to extract the gold from the pan and place it into a vial. This demonstration was very informative, and

the speaker made the entire process very entertaining.

Concord's Gem show was new and exciting for everyone, and yet still kept an informal and familiar feeling. One of the best parts about being a member in a mineral and gem society is that you are able to be exposed to some great rocks and an equally admirable community, which is exemplified in our annual show. I applaud Concord's gem society for organizing a great show, and now, I'm looking forward to ours even more!

FLUORESCENT ROCKS

In 2009, the Mineral and Gem Society of Castro Valley became the recipient of a wonderful collection of Fluorescent Rocks from the collection of **Harry Wain** a deceased mineral enthusiastic. **Mr Wain** founded the Mineral Equipment Company in 1959 to manufacture ultraviolet lamps suited for field prospecting and displaying fluorescent minerals. His company became Raytech Industries (<http://www.raytech-ind.com/>). Mr Wain's pamphlet, "The Story of Fluorescence" was inserted with every UV lamp sold by Raytech. The following excerpts are from this pamphlet.

THE CAUSE OF FLUORESCENCE

All kinds of radiation, including ultraviolet, are forms of energy. When ultraviolet light is directed at most substances, the energy of the light is absorbed and turns into heat. However, some substances have an atomic structure that is affected by the particular kind of energy that is ultraviolet light. In

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these cases the energy from the ultraviolet light, when it strikes an electron, gives that electron extra energy which causes it to move to an orbit in a shell further away from the nucleus (a higher energy level). Remember that an electron needs an exact amount of energy to stay in its own orbit in a particular electron shell and that any change in that amount of energy will cause the electron to move either toward the nucleus or further away from the nucleus. When this energy from the ultraviolet light strikes the electron and causes it to move away from the nucleus, the original orbit becomes empty and the electron shell is left with a gap that must be filled to maintain the electrical balance. An electron in an orbit closer to the nucleus would not have sufficient energy to move out, so the only way for the gap to be filled is for an electron in an orbit further from the nucleus to be pulled down into the empty orbit, filling the gap left in the original shell by the loss of the first electron. A replacement electron, in moving down, gives off a definite amount of its energy and it is this energy that we see as visible light or fluorescence. What actually happens during fluorescence is that this process of energy exchange takes place rapidly with many, many electrons - some absorbing energy, some giving it off, so that the visible light we see is for all practical purposes continuous and not interrupted.

case, the atoms continue to give off light as long as the electrons are returning to their normal state. This continued emission of light after the ultraviolet has been removed is known as phosphorescence. Some materials will phosphorescence for only a few seconds while others will continue to give off light (in ever diminishing intensity) for long periods.

Each year during our Annual Show at the Newark Pavilion (February 21, 22 & 23, 2014) the Fluorescent Mineral Society organizes a display of **Mr Wain's** fluorescent rocks and brilliant displays of other fluorescent rocks in the Fluorescent Hall off the patio behind Hall 1. There will be dealers too to start you on your own fluorescent collection. The sights will take your breath away.



PHOSPHORESCENCE

In some materials, the electrons are slow in returning to the normal orbits. In this

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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

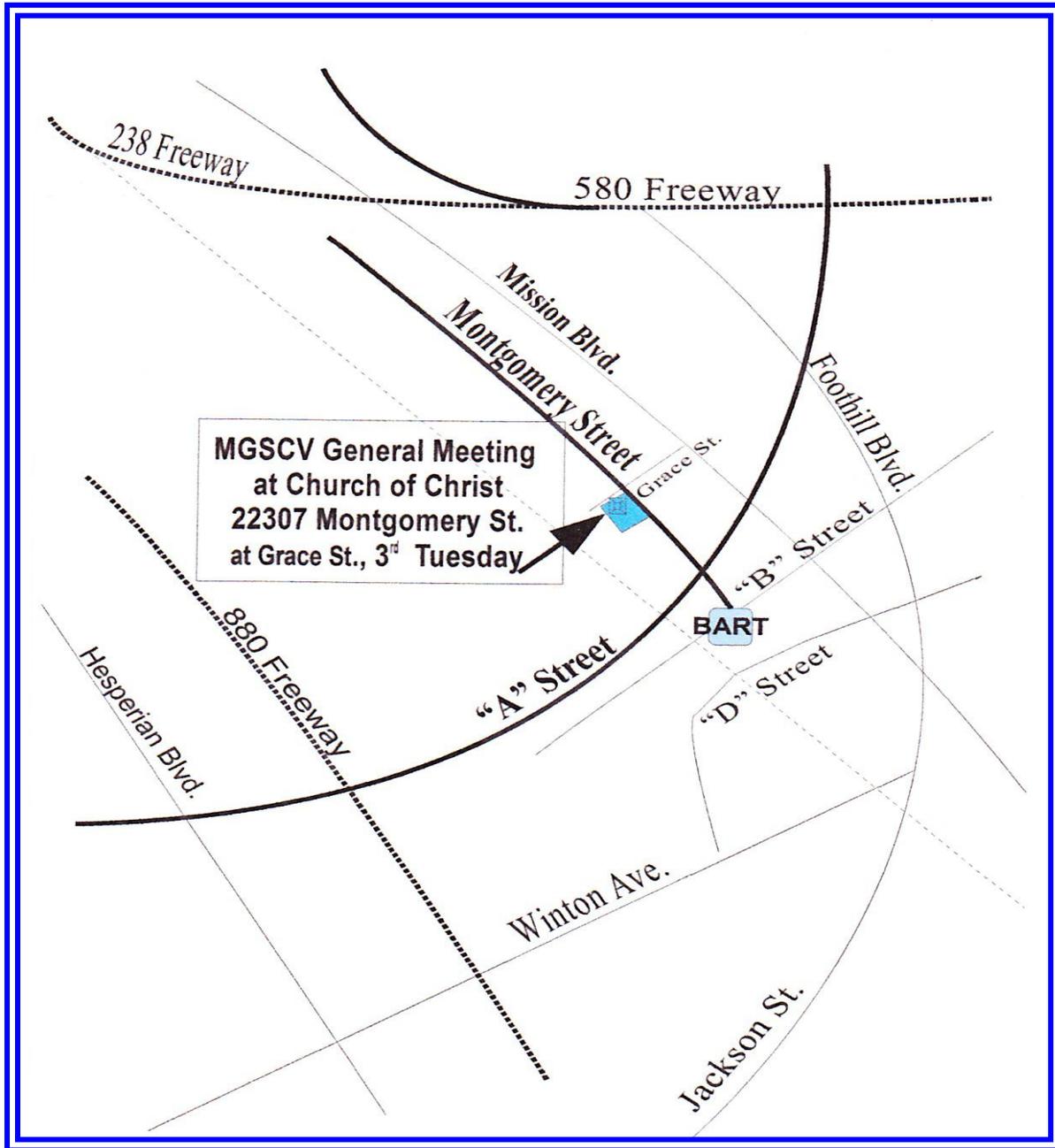


SHOP NOTICES:

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.

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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: _____