



Club Notes



General Meeting: Feb. 20th 2018

Those with the Last name that begins with A -D please bring finger food for the meeting. General Meetings are the third Tuesday off the Month at the church at 7:30pm. You are invited and encouraged to attend and bring a guest that might be interested in what we do. There is a silent auction and door prizes at every meeting.

Next Board Meeting The meeting will be Feb. 13th. 2018 at 7pm at the shop downstairs.

Next Show Meeting:

The next show meeting will be Tuesday February 6th at the shop at 7:30 PM



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MGSCV Petrograph February 2018

Monthly Bulletin of the Mineral and 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.

2015 MGSCV Officers

Elected

President - Bonnie Andrade	President@mgscv.org	
Vice President - Neil Delfino	VP@mgscv.org	
Secretary - Betty Milam	Secretary@mgscv.org	(510) 589-8858
Treasurer - Sheryl Cooper	Treasurer@mgscv.org	
1 st Year Director - Michelle Bennette	Director1@mgscv.org	
2 nd Year Director - Jodi Minshall	Director2@mgscv.org	
3 rd Year Director - Norm Hodgson	Director3@mgscv.org	
Federation Director - Mike Mc Bride	Federation@mgscv.org	
Shop Manager Neil Delfino	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	925-3483000
Past President -	pastpresident@mgscv.org	

Appointed

Scholarship Chair - Mary Howell
Librarian - Mark Montgomery
Historian - Norm Hodgson
Purchasing Agent - Beth Farmer

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Education Coordinator - Shirley

Buschke

Field Trip Coordinator-Mike Cox

Mikecox.34ford@gmail.com

Parliamentarian -

Reception/Host - Jim Ewing

Sunshine Reporter - All members

Door Prizes - Bonnie Andrade

Web Master - Tony Cooper

webmaster@MGSCV.org



Publication Staff



✧Contributors: **Shirley Buschke, Betty Milam, Sheryl Cooper,**

BOARD MEETING

Nov. 14th 2017

By: **Sheryl Cooper**

We started the meeting at 7:20 pm. In attendance was **Neil Delfino, Norm Hodgson, Beth Farmer, Cathy Miller, Mike McBride, Bonnie Andrade, Michelle Bennette, Jodi Minshall and Sheryl Cooper.**

We have a donation to be picked up in Fremont.

2018 Officers were discussed. Most officers are willing to do another year unless someone else would like to. We are looking for a VP because Neil has agreed to run for shop manager.

The treasurer reports were discussed. **Beth Farmer** moved to accept the October treasure's reports and **Neil Delfino** seconded the motion.

Sheryl Cooper moved to accept the October minutes and Beth Farmer seconded the motion.

Mike McBride says the CFMS does not have anyone to audit the books. He joined the CFMS safety committee. They are working on a safety manual for the shop and the field. There is a new contact for cabochon cases for the show. Several items were discussed at the CFMS meeting, including BLM land and scholarship money available. A little history about the CFMS. It started in the 1930's with 7 clubs.

Cathy Miller is reworking the layouts for Hall 4 and the fluorescent room. She is looking for food vendors. We should set up a membership/donation table at the show. We take pictures of the raffle winner and should have a waiver for them to sign so we can use their picture. We should ask high school students to volunteer.

Beth Farmer says another Genie water pump went out. She needs to buy some casting flasks.

We have 135 members. The drawing can will be emptied after the January general meeting so get your membership in.

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The next board meeting will be December 12, 2017

The meeting adjourned at 8:30 pm.

BOARD MEETING

January 9th, 2018

Submitted by **Betty Milam**

The meeting was called to order at 7:00 pm.

In attendance were **Mike Mc Bride, Neil Delfino, Lyle Schoeff, Bonnie Andrade, Norm Hodgeson, Sheryl Cooper, Michelle Bennette, Cathy Miller, Jodi Minshall, Betty Milam.**

Treasurer: Sheryl presented the 01/01/2017 budget compared to MGSCV income and expense for 2017. The 2018 budget will be printed in the Petrograph in January. **Neil Delfino** moved and **Norm Hodgeson** seconded to accept the Treasurer's report presented by **Sheryl Cooper**. Saw fees have increased to 20 cents a square inch for the enclosed saws.

Minutes: The minutes to the January General of November and December will be printed in next month's Petrograph.

Shop Manager: **Neil Delfino** will be shop Manager beginning in February.

General Meeting Program: **Starla Turner**

Will return to the General Meeting to present the program "Mining Brazilian Agate".

Show: Cathy reported that the Newark Fire Department permit has been obtained. Rita might not be available to be auctioneer this year. **Mike Mc Bride** volunteered as back up auctioneer. **Norm** volunteered to

suggest a "price" for the donated items before the show.

Food Trucks: **Cathy** is looking into using food trucks to feed the public for the show again this year.

Show Volunteers: **Mike** is preparing to send out to the membership the volunteer forms next week.

Show Cases: **Norm** reported 13 cases have yet to be filled.

Upstairs File Cabinet: Sheryl has been sorting through the old file cabinet upstairs. Among other things, it contains photos of past members. She may scan the photos.

Membership: **Sheryl** said we now have 136 members. And is considering putting a in the show. **Jim Ewing** has the flu. He is slowly recovering

Sunshine: **Gerry Perko** is slowly recovering And is considering putting a case in the show. **Jim Ewing** has the flu. He is slowly recovering.

Unfinished Business:

The Mezzanine according to the new owner, Berkley Partners, is a clear violation of the contract we have with them. The mezzanine must come down, the property returned to its original status it had upon move in. The deadline is January 15, but Sheryl is communicating with them to extend the deadline to January 31. Jodi recommended having a shop clean up this coming Sunday January 14th. Jodi suggested moving many items to members' homes to show progress to the management.

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The next show meeting will be held Tuesday February 6th at 7:00 pm at the shop.

The meeting adjourned at 8:15 pm.

GENERAL MEETING -Jan.16th, 2018

Submitted by Betty Milam

The General meeting was called to order at 7:30 pm.

Guest Speaker: **Starla Turner** returned to talk of the Geodes of Amethysta del Sul, a southern area of Argentina. **Starla** told us how Geodes are collected and made ready for sale.

The town of Amethyst is located in a sedimentary basin. Pockets of geodes form all in the same area. South is a volcanic river of sedimentary carbonite. Geodes are mainly found here. Volcanic quartz crystal is found inland among dark balsamic rock. Here can be found the hollow rocks. Geodes grow from the outside. As geodes come out of the ground there is a void inside. As the environment changes, the crystals change from smaller to larger.

When the stones are being worked on, men drill a small hole to look inside the cavity to see the quartz crystals then plan how to cut it. Inside the crystal nodules are solid. Vug are irregular shapes. The older the stone, the bigger the crystals grow. The volunteered to be back geode is cut. Great care is taken while processing the geodes. Heat can change the color of the crystals.

Shop cleaning: **Sheryl** explained the management company is requiring the mezzanine be taken down. First the items

and cases upstairs must be boxed up and put in storage. This past weekend much of the work was done, but this coming weekend a work crew must complete the job.



ROCK RUMBLES

By Shirley Buschke

ROCK RUMBLES Feb. 2018

If you are at the shop when **Lily Johnson** is there, ask her about her recent trip to Cuba. Her observations are interesting, she went with an ethnic dance group. She said the people were very friendly. Wages are the same for all -- \$400 per month. Many add to their income by renting rooms and that is how the group stayed, in rented rooms instead of a hotel. The people are very poor. There were many spontaneous music groups that played in the area and there was quite a contrast between country and city life. She said they had lots of sea food and root vegetables but she missed greens.

Finally got some casting done. Someone should want to learn how to do it. Speak up. **Lyle Schoeff** and **Beth** have been learning to do it. They would like others to join them.

Great program at the meetings and an excellent presenter. Walls of amethysts, tunnels of amethysts and a few topazes,

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too. She visited an area of Brazil.

Amazing how they use a camera through a minute hole to determine how to cut the stone to get the maximum return.

Considering all the labor, the stuff is cheap.

Great pictures in the latest Petrograph. Our editor apologized for pushing the wrong button and sending out the wrong edition. I guess if Hawaii can push the wrong button, so can our editor. All is forgiven.

The auction case is beginning to look nice. Check out the donation from former member **Gordon Nashimoto**. He has made three pendants and 3 tiny jewel boxes to hold them. **Ed Rigor**, as usual, has several pieces and **Ann Marie Korchendorf** still finds works of her late husband, **Willy** which she has donated.

Showtime soon. Let our show chairman how you can help. The work signup sheet is on the desk in the entry. Especially she needs committee chairs. Speak up. Our show makes our shop work. Don't forget some businesses equal your club charity donation. Every little bit helps. We issue you a receipt proving your donation.

Thank you to all who helped with our latest problem-- removing our mezzanine.

We haven't seen **Teresa Tanaguchi** at the shop for quite a while. Seems she has had lots of health problems but plans to demonstrate at our show. It will be nice to see her again.

No **Mark Montgomery** at the shop on the morning of the 31st. He rushed **Mary Howell** to emergency. Hope all is well

We understand that Revere Jewelry School in San Francisco has closed and all equipment has been sold. Mr. Revere is retiring. sure hope someone else opens a school. Very few jewelry classes are now offered last the junior colleges and such classes were cut out of high schools years ago. Guess clubs with shops are the only place left to learn the skills of lapidary.

Naomi Morgan announces their road is finally open for use. The road was washed out last winter and they had to travel the long way around. Busy as she is, **Naomi's** daughter is now on the local cemetery board. Seems a relative of the original owners has to be on it, so that is she.

Check out the clever bird cage made by **Sharon Blattel**. It is in the auction case. It is a miniature of the house she saw at the Concord Gem show.

SHOW SCHEDULES

FEBRUARY (2018)

February 16 - 25: INDIO, CA

San Geronio Mineral & Gem Society

Riverside County Fair & National Date Festival

82-503 Highway 111

Hours: 10 - 10 daily

Contact: Bert Grisham, (915) 849-1674

Email: bert67@verizon.net

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February 17 - 18: ANTIOCH, CA

Antioch Lapidary Club

Contra Costa County Fairgrounds

1201 West 10th Street

Hours: 10 - 5 daily

Contact: Brenda Miguel, (925) 301-6957

Email: brenda.miguel@yahoo.com

Website: www.antiochlapidaryclub.com

February 24 - 25: VALLEJO, CA

Vallejo Gem & Mineral Society

Solano County Fairgrounds, McCormack Hall

900 Fairgrounds Drive

Hours: 10 - 5 daily

Contact: Dan Wolke, 707 334-2950

Email: dncwolke@sbcglobal.net

Website: www.vjgems.org

MARCH (2018)

March 2 - 4: NEWARK, CA

Mineral & Gem Society of Castro Valley

Newark Pavilion

6430 Thornton Avenue

Hours: Fri & Sat 10 - 6; Sun 10 - 5

Contact: Cathy Miller, 510-887-9007

Email: showchair@mgscv.org

Website: www.mgscv.org

March 3 - 4: VENTURA, CA

Ventura Gem & Mineral Society

Ventura County Fairgrounds

10 West Harbor Blvd.

Hours: Sat 10 - 5; Sun 10 - 4

Contact: Diane Cook, (805) 312-8467

Email: info@vgms.org

Website: www.vgms.org Show Page

March 10 - 11: SAN MARINO, CA

Pasadena Lapidary Society

San Marino Masonic Center

3130 Huntington Drive

Hours: Sat 10 - 6, Sun 10 - 5

Contact: Ellen Ferrell, (727) 512-0381

Email: pasadenalapidary@aol.com

Website: www.pasadenalapidarysociety.org
Show Page

March 10 - 11: SPRECKELS, CA

Salinas Valley Rock and Gem Club

Spreckel's Veteran's Memorial Hall

5th & Llano Streets

Hours: 10 - 5 daily

Contact: Gary Beck, (831) 679-2896

Email: garybeckpca@yahoo.com

Website:
<http://salinasrockandgem.pagecloud.com>
Show Page



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GEM OF MONTH

By Shirley Buschke

FEB 2018

This one can't be sent back. She was born in Oakland, California, went to school in Dublin, Chabot J.C. She received her degree in math from Cabrillo College. She, or members of her family can trace lineage back to George Washington. And another member of her family is the founder of Hayward. So I guess we don't have to deport her.

Growing up her family took lots of road trips and on these trips the family looked for rocks as a past time. Her dad had many hand written maps and she and her three sisters looked, but she was the one who really took to collecting. (one sister is now deceased). When she was about 12 years old she attended a gem show. She thinks it was put on by our club. She won a door prize, an amethyst crystal, and she was hooked. That crystal was probably worth \$10 then. Her dad loved metal sculpturing. She eventually joined since she had been bringing her dad to the shop. Sadly he was losing his sight, and from then on, she decided to learn everything she could.

She said she likes all stones but the iridescent ones are probably her favorite. She loves opals and Ethiopian are the most favorite. She loves to work with them. They lose their color when wet but as they dry the color comes back. Just about the opposite with Australian opals. Ethiopian opals are volcanic in origin while Australian ones are hydro-silicates.

Our gem has been a member of the board for several years. And of course she works at all shows. She is always willing to help a beginner. She and a couple other members hope to learn casting. About the only other thing she hasn't done is plating. Her job is in the computer industry. With a background in math where else would it be?

Yearly she has exhibited an archeology exhibit at the Alameda County Fair. That should give her away. Why our gem is Jodi Minshall, of course.

KIDS KORNER

By: Isabelle Bennette Age 13

MGSCV AS A COMMUNITY

Recently, the shop which our Gem and Minerals Society utilizes has been partially moved out of by the landlord's request to destruct the mezzanine, or the storage area above the main part of the shop. The landlord has requested that we take down the upper floor because there was no official permit for the shop improvement. After some time negotiating and talking to the current building owner, the club board has been forced to take it down. In the last two or three weekends, shop members have helped vacate the top floor and found many treasures. My mother brought home some leather scraps and an aluminum tub which I have planned to use as a planter for a small succulent garden. Shop board members have decreed certain items taken from the mezzanine as give-away items because the shop no longer uses it. Volunteers who helped were able to have first pick of items that were going to be thrown away if not

taken. The days when the shop was open to those who wanted to help clean the mezzanine exposed how many useful items the shop has accumulated over the years. This project has brought together the many members of the club and really united us together emphasizing the importance of standing together and helping. My mother believes "events like this has highlighted that the people has made our club valuable". Although these are rough times for the club, it has brought together a community of people which are altruistic and giving.

Amethyst is the Amethyst is a purple variety of quartz (SiO_2) and owes its violet color to irradiation, iron impurities (in some cases in conjunction with transition element impurities), and the presence of trace elements, which result in complex crystal lattice substitutions.[2][3][4] The hardness of the mineral is the same as quartz, thus it is suitable for use in jewelry.

Amethyst occurs in primary hues from a light pinkish violet to a deep purple. Amethyst may exhibit one or both secondary hues, red and blue.[5] The best varieties of amethyst can be found in Siberia, Sri Lanka, Brazil and the far East. The ideal grade is called "Deep Siberian" and has a primary purple hue of around 75-80%, with 15-20% blue and (depending on the light source) red secondary hues.[6] Green quartz is sometimes incorrectly called green amethyst, which is a misnomer and not an appropriate name for the material, the proper terminology being prasiolite. Other names for green quartz are vermarine or lime citrine.

Faceted amethyst and Emerald cut amethyst are of very variable intensity, the color of amethyst is often laid out in stripes parallel to the final faces of the crystal. One aspect in the art of lapidary involves correctly cutting the stone to place the color in a way that makes the tone of the finished gem homogeneous. Often, the fact that sometimes only a thin surface layer of violet color is present in the stone or that the color is not homogeneous makes for a difficult cutting.

The color of amethyst has been demonstrated to result from substitution by irradiation of trivalent iron (Fe^{3+}) for silicon in the structure,[4][7] in the presence of trace elements of large ionic radius,[3] and, to a certain extent, the amethyst color can naturally result from displacement of transition elements even if the iron concentration is low. Natural amethyst is dichroic in reddish violet and bluish violet,[4] but when heated, turns yellow-orange, yellow-brown, or dark brownish and may resemble citrine,[8] but loses its dichroism, unlike genuine citrine. When partially heated, amethyst can result in ametrine.

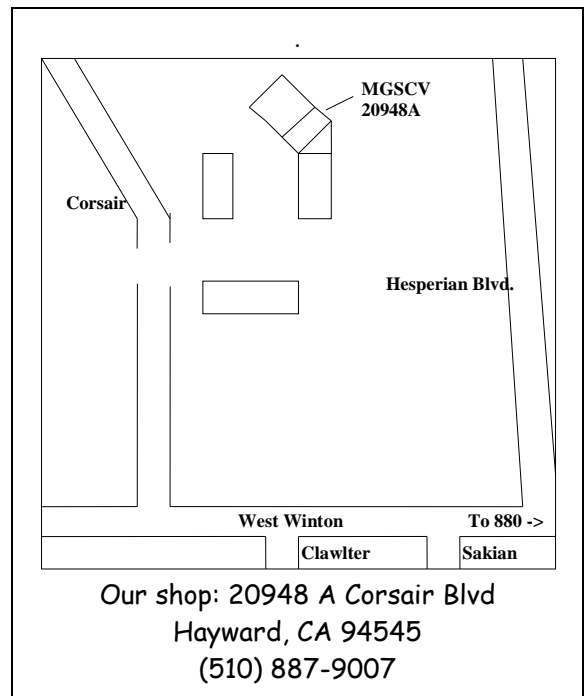
Amethyst can fade in tone if overexposed to light sources and can be artificially darkened with adequate irradiation.[4]



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Shop Schedule
(All shop session's members only)

MAP

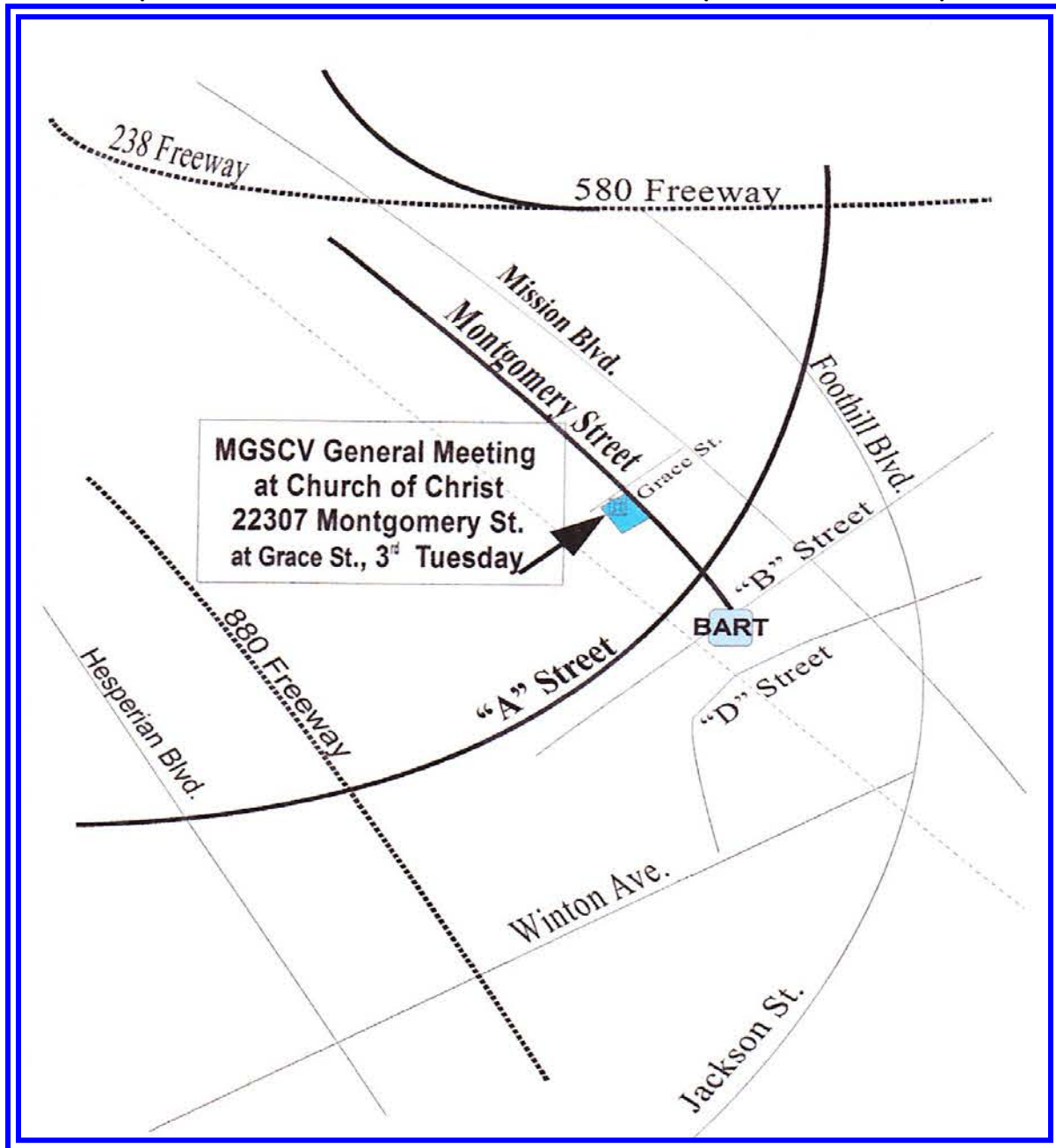
- Monday** 10 AM to 1 PM, Lapidary
 6 PM to 9 PM, Beginners only in lapidary
- Tuesday** 12-to 5 PM, need daytime supervisor
 6 PM to 9:00 PM, Lapidary,
- Wednesday** 9AM to 12:00PM, Lapidary
 Library open 10AM to noon.
 5:30 - 8:00 PM Lapidary
- Thursday** 10:00 AM to 1:00 PM, Lapidary
 7 PM to 9 PM,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



SHOP NOTICES:

Email us at info@mgscv

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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 and 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 at the shop 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): new membership renewal membership Lifetime (voted in by the board)

* With Shop privileges	Junior Membership	NO Shop Privileges
<input type="checkbox"/> Single - \$45	<input type="checkbox"/> Junior (11-17 with adult) - \$1	<input type="checkbox"/> Single - \$35
<input type="checkbox"/> Couple - \$80	<input type="checkbox"/> Junior (11-17 without adult) - \$5	<input type="checkbox"/> Couple - \$60

After July 1st all **new** membership dues are half (1/2)

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 _____ phone _____ email 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: _____

Mineral & Gem Society of Castro Valley (MGSCV)
Membership Application and Information