



Club Notes



General Meeting November, 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 November 13th, 2018 at 6:30 until 7:30 pm at the shop downstairs.

Next Show Meeting:

Future show meetings will be on the second Tuesday off the month from 7:30 - 9:00



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MGSCV Petrograph November 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.

2018 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 - Mark Montgomery
Librarian - Mark Montgomery
Historian - Norm Hodgson
Purchasing Agent - Neil Delfino

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Education Coordinator - Shirley

Buschke

Field Trip Coordinator-Mike Cox

Mikecox.34ford@gmail.com

Parliamentarian- Mark Montgomery

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

September 12th .2018

Board Minutes for 9/12/2018

Submitted by Sheryl Cooper

Present were Bonnie Andrade, Sheryl Cooper, Mike McBride, Jodi Minshall and Neil Delfino

There is no quorum so nothing was approved or voted on.

We talked about a donation committee so more than one person was picking up and pricing donated items.

Mike McBride is stepping down as federation director and will not hold a board position.

Jodi Minshall volunteered to be the Saturday morning supervisor.

Membership total is 107 people.

.September 18, 2018

Board Minutes for 9/18/18 7:00 - 7:20 pm

Present were Neil Delfino, Bonnie Andrade, Jodi Minshall, Cathy Miller, Sheryl Cooper, Mike McBride and Michelle Bennette

Treasurer reports for June, July and August were reviewed. **Jodi Minshall** moved to accept the reports with one amendment to the August recap. **Neil Delfino** seconded the motion. They were approved with amendment.

The grant we applied for was not approved as is.

Sheryl Cooper moved to accept the June minutes and **Jodi Minshall** seconded the motion. They were approved.

Future board and show meetings will be on the second Tuesday of the month at the shop. Board meeting first at 6:30 - 7:30 pm with the show meeting starting at 7:30 pm.

BOARD MEETING

October 9, 2018

Present were **Jodi Minshall, Michele Bennette, Mike McBride, Neil Delfino,**

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Beth Farmer, Sheryl Cooper and Bonnie Andrade

Sheryl Cooper presented the treasurer reports for September. **Jodi Minshall** moved to accept the reports and **Neil Delfino** seconded the motion. The reports were approved.

We discussed possible people for federation director.

Neil Delfino says there are 7 saws working now. Please remember to dump the water out of the trays more often. If you don't the water sprayers get clogged and cause pump issues.

We received a donation from **Nick Levell** estate of 2 wheel sanders and a tumbler.

The new year is approaching and we need board members.

We are also looking for an education coordinator.

GENERAL MEETING MINUTES

09/18/2018

The meeting was called to order at 7:35 with 16 people attending.

The program was Field Trip Nostalgia 1978 AFMS Show that we hosted by **Neil Delfino**

Several old time members put together a field trip booklet. It listed the quarry owners, directions to get there and what material you could collect. Some of the places were Jade Cove, Clear Creek Jade, Columbia black & pink marble, Anderson Dam, Spider Mine, David Creek Obsidian and more. A copy will be available in the

library. Reminder - not all areas are still available to collect on.

Allison joined us. Her dad told her about us. She started collecting about 1-1/2 years ago and is looking at what else she can do with the rocks.

Beth Farmer attended Camp Paradise this year. \$400 includes room and board along with classes for the week. You could choose from faceting, stone carving, lost wax, bead weaving and much more. Beth recommends the camp.

Mike McBride says there is more information on the camp on the CFMS website along with XXYZZ camp information. Beginners get first choice of classes.

Mike McBride is stepping down at the end of the year as federation director. The federation is a way for the clubs to network and help each other out. There are two meetings a year with the CFMS. It is also a board position.

We discussed the CFMS federation show being hosted by the Feather River club.

Neil Delfino says some equipment has been rebuilt. A member was waiting in the parking and their actions were upsetting a neighbor business to the point that the cops were called out. Please behave while you are waiting for the doors to open.

Cathy Miller reminded us our show is March 1-3, 2019. We need help with skirting tables, spinning wheel, admissions, lighting and more. The next show is Oct 9 at 7:30 at the shop. **Norm Hodgson** has agreed to be co-showchair.

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Diana Cohoon says send articles for the Petrograph. We need a new kids corner writer.

Membership is at 107 members.

The auction case needs more items from more people. There are only a couple of people participating.

Mark Montgomery is the winner of the member drawing. Congratulations!

The meeting ended after the door prize drawing and the silent auction wrapped up.

GENERAL MEETING

October 16th, 2018

The meeting went from 7:40 - 8:40 pm with 11 people attending.

The program was Jade Festival 2018 at Pacific Valley School by **Neil Delfino**

It was bumper to bumper traffic the whole way there. Parking was out by the ocean at Sand Dollar Beach. You needed to cross the highway to get to the show. There were tents outside with all kinds of jade items and chunks of various jade. Neil shared several pictures from throughout the show and of people. Washington jade has a white shell. Siberian is a white jade. Wyoming apple green jade is rare. It is a three show with free admission and parking. Usually the first weekend in October.

Beth Farmer has stepped up to be the new federation director. Thank you!

Neil Delfino purchased 12 new 2-1/2" cone screws for casting. He has purchased new locks and will be replacing the faceting room, casting room and the library door

locks in November. Let **Neil** know if you have a key to these rooms so he can get you a new key. Seven of the saw are now operating. The 18" saw is being worked on. Please let the shop manager know if you are borrowing something from the shop.

Cathy Miller says there are several positions vacant for various reasons. We always need help. The show is about 4 weeks away. The next show meeting is Nov 13th at the shop at 7:30.

Membership is at 107 members.

Betty Milam is doing ok, but feels like hibernating. She is dealing with paperwork still.

The **Christmas party** will be **Saturday, December 8th** at the church. Doors will open at 11:30 and lunch will be at 1:00 pm. Thank you **Beth Farmer** for cooking a ham and **David Miller** for cooking a turkey.

Bonnie Andrade has been president for 7 years and wants to step down next year. Anyone interested in a board position?

Greg Ordonez was drawn for the member drawing, but unfortunately was not present.

The meeting ended after the door prize drawing and the silent auction.

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ROCK RUMBLES

ROCK RUMBLES November 2018

By Shirley Buschke

Heard a new word today. What is a cabachet? Seems it is a cabochon that has been faceted on one side, cut free hand, One side is flat and the stone should be clear with no flaws. Actually the facets are slightly curved. Turns out to be an attractive stone. Try it.

Although we haven't finished the turkey yet, it is time to think about Christmas. Why not bring something to the club meeting auction that some lucky member would like to take home for a Christmas present. Your donation is tax deductible at market value. I think most of us would be happy to shell out \$10 or \$15 for a hand made gift and the club will profit from your donation.

We have a couple great shows coming up. The Concord show is as good as ours. It is Nov 3 and 4. The Livermore show is small, but great and it is close by. They hold it in a barn. Usually some good slabs at this show. And we get to see **Lee Chavez**.

To those of you who work at home -- are you thinking safety? It is so easy to be careless. Take care. We want to see you around.

SHOW SCHEDULES

NOVEMBER

November 3 - 4: ANAHEIM, CA

American Opal Society

Business Expo Center

1960 S. Anaheim Way

Hours: Sat 10 - 6; Sun 10 - 5

Contact: Veronica Purpura, (714) 501-9959

Email: info@opalsociety.org

Website: www.opalsociety.org Show Page

November 3 - 4: RIDGECREST, CA

Indian Wells Gem & Mineral Society

Desert Empire Fairgrounds

520 South Richmond Road

Hours: 9 - 5 daily

Contact: John DeRosa, (760) 375-7905

Email: jfrocks@dslextreme.com

November 3 - 4: CONCORD, CA

Contra Costa Mineral & Gem Society

Centre Concord

5298 Clayton Road

Hours: 10 - 5 daily

Contact: Kelly Plumb, (510) 693-9075

Email: kellyplumb900@yahoo.com

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November 10 - 11: YUBA CITY, CA

Sutter Buttes Gem & Mineral Society

Yuba-Sutter Fairgrounds

442 Franklin Avenue

Hours: Sat 10 - 5; Sun 10 - 4

Contact: Karen Horita, (916) 677-6696

Email: horita@comcast.net

Website: <http://sutterbuttesgemmin.org>

November 18 - 19: LAKESIDE, CA

El Cajon Valley Gem & Mineral Society

Lakeside Rodeo Grounds

12584 Mapleview Street

Hours: Sat 10 - 5; Sun 10 - 4

Contact: Mary Ness, (619) 449-0759

Email: ecvgms@gmail.com

Website: www.ecvgms.org

November 17 - 18: LIVERMORE, CA

Livermore Valley Lithophiles

At the "Barn"

3131 Pacific Avenue

Hours: Sat 10 - 5; Sun 10 - 4

Contact: Bill Bish, (925) 447-1266

Email: bcbish@att.net or
info@lithophiles.com

WebSite: www.lithophiles.com Show
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November 17 - 18: OXNARD, CA

Oxnard Gem & Mineral Society

Oxnard Performing Arts Center

800 Hobson Way Hours: Sat. 9 - 5; Sun. 10
- 4

Contact: Stephanie Hagiwara, (805) 394-
8002

Email: webmaster@oxnardgem.com

Website: <http://oxnardgem.com> Show
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DECEMBER

December 1 - 2: BARSTOW, CA

Mojave Desert Gem & Mineral Society

Cora Harper Community Center

841 S. Barstow Road

Hours: 10 - 5 daily

Contact: Danny Watts, (760) 373-1309

Email: dvwatts@msn.com

Website: www.mdgms.net



GEM OF MONTH

By Shirley Buschke

Seems all of our gems like to travel. This one says even though she has been to Singapore as of last December and Australia before that and New Zealand (probably her favorite) and Europe for a month on a EuroPass, she is still discovering places she wants to visit.

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Our gem is a local girl. Born in Oakland and attended Castlemont High School. Berkeley and Oakland have been her home town. She is now retired, but worked as a Park Ranger in San Mateo county. She has two sons who live in Colorado. She doesn't get to see them as often as she would like.

She was given a handful of stones and she wanted to learn how to set them. She visited a jeweler who said they were worth setting but no way could she afford the cost so she decided to see if there might be alternatives. She eventually found us and has been a member off and on for twelve years. She was once nominated to be secretary but had to resign because they changed her work schedule so she could not attend meetings. But she finally got back to us now that she is retired.

Currently she is working on fire agate which is quite a challenge. Her favorite stone is an opal. She never got around to working with that original handful. Faceting is her least favorite task at the shop. She recently took an extensive (and I understand expensive) course in Berkeley and she raves that it was worth every penny and amount of time because she learned so much. Basically it was silver smithing, maybe we can get her to teach a class if there is demand.

Well, have you figured out who our gem is? It's Lily Johnson and she is usually **here** Wednesday morning about 10 AM.

KIDS KORNER

By: **Isabelle Bennette** Age 13

A Hidden Gem

Although diamonds are known to be a valuable gem, one in particular found earlier this year was especially unique. Mined in the South African Cullinan diamond mine, a piece of calcium silicate perovskite (CaSiO_3) was discovered by Graham Pearson, professor at University of Alberta's Department of Earth and Atmospheric Sciences, encased in a 3 millimeter wide diamond. Before this moment, CaSiO_3 was never seen at the Earth's surface, but was a highly theorized mineral which was assumed to exist in Earth's lower mantle. It was never seen preceding March because it cannot be stable at the general pressure of Earth's surface. This was not the only interesting mineral found in diamonds. Although the diamond is small, it holds a world of discovery.

Calcium silicate perovskite has not been found at surface level because its carbon bonds rearrange at the pressure which exists around the Earth's crusts or above. According to Pearson, "the only possible way of preserving this mineral at the Earth's surface is when it's trapped in an unyielding container like a diamond." If the CaSiO_3 was not encased in a diamond, then it would not be in a recognizable state. As it would rise to the surface, pressure would decrease and its carbon bonds would rearrange, changing the molecules of the mineral. An international team of researchers, including the best X-ray crystallographers in the world, came together to find out more about this one piece of calcium silicate perovskite. Scholars from the University of British

Columbia will be continuing their work. Pearson has been and still is mining for more unique diamonds. In 2014, he and his team found ringwoodite, a water-rich mineral, while mining. By seeking out such special diamonds, Pearson hopes to learn more about the contents of Earth's geographical layers, according to National Geographic.

Not only is the diamond special because of what it contains, but also it is rare because of its age. The climate necessary for a diamond to form are found at 140-190 kilometers below the Earth's surface. Most diamonds are most likely one to three billion years old, around the Proterozoic or Archean era. This diamond was most likely formed 700 kilometers underground, where pressure would be at around 240,000 times the amount of the pressure at sea level. From Smithsonian Magazine, "when this extreme force formed the diamond, the CaSiO_3 was trapped inside." The diamond (which the calcium silicate perovskite was covered in) is considered to be a "super-deep" gem even though it was only found around half a mile below Earth's surface. Because it was found it is most likely older than other diamonds found in the Cullinan mine, including two of the largest gems in British royalty's Crown Jewels. They rise to the Earth's surface at volcanic regions or subduction zone where a lot of material is brought forward.

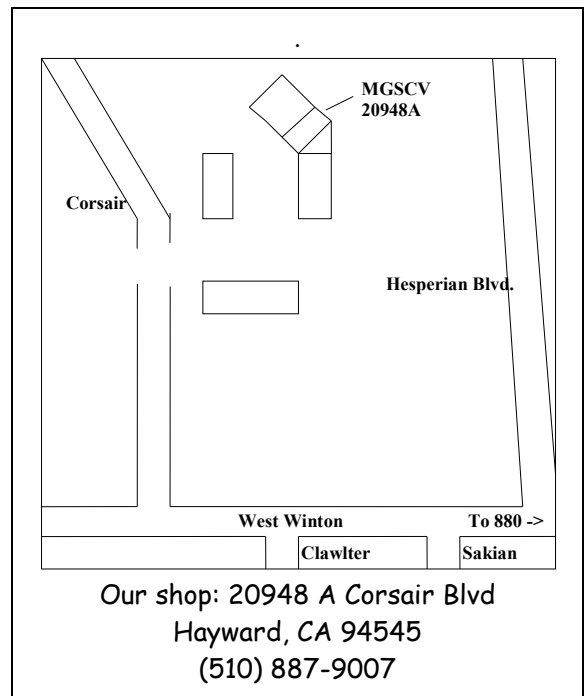
What an interesting article, thank you for taking the time to share this information with us Isabelle. Editor



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Shop Schedule
(All shop session's members only)

MAP

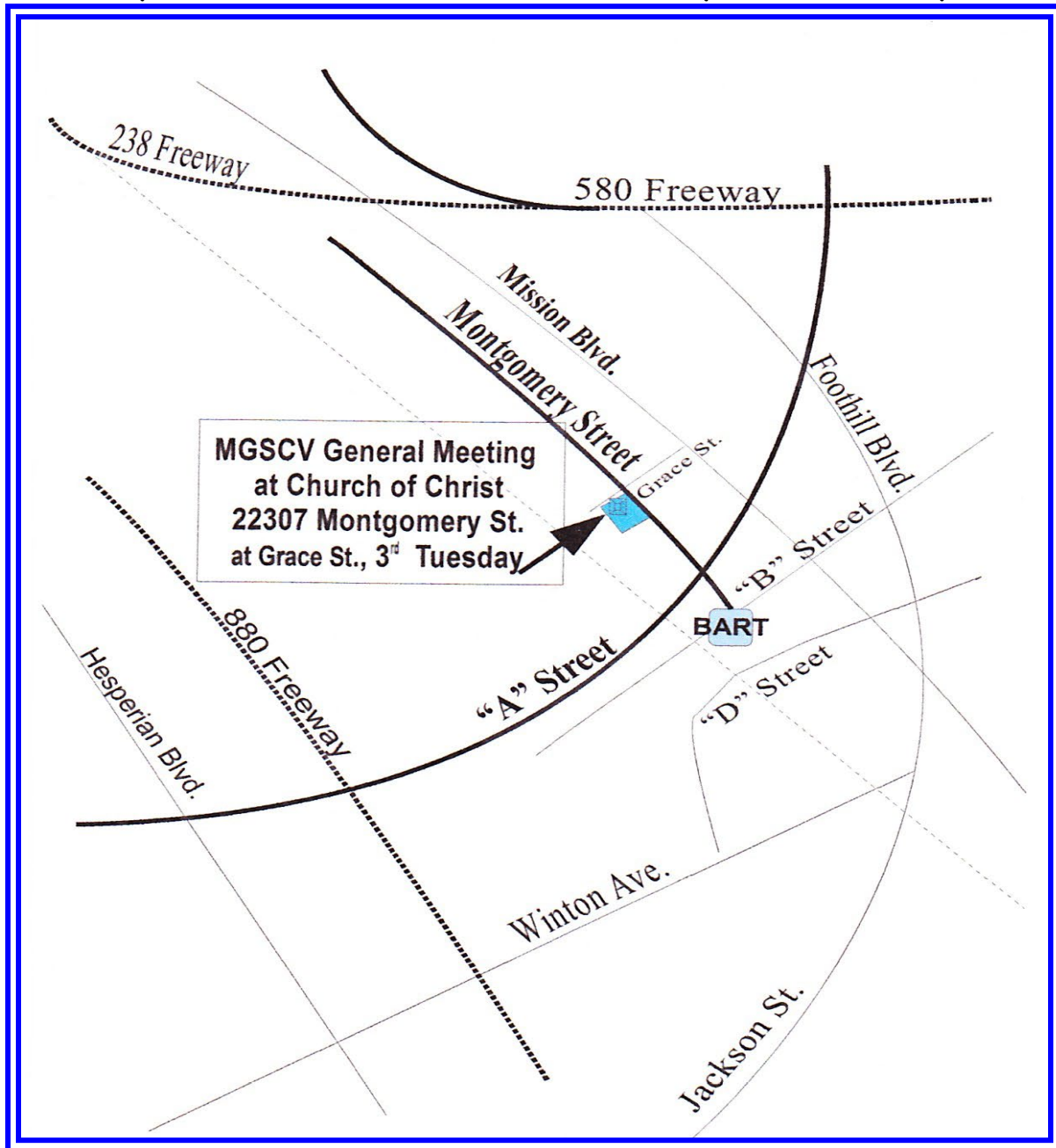
- Monday** 10 AM to 1 PM, Lapidary
 6 PM to 9 PM, Beginners only in lapidary
- Tuesday** 12-to 5 PM, need daytime supervisor
 6 PM to 9:00 PM, Lapidary,
- Wednesday** 9AM to 12:00PM, Lapidary
 Library open 10AM to noon.
 5:30 - 8:00 PM Lapidary
- Thursday** 10:00 AM to 1:00 PM, Lapidary
 7 PM to 9 PM, 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 <input type="checkbox"/> Single - \$45 <input type="checkbox"/> Couple - \$80	Junior Membership <input type="checkbox"/> Junior (11-17 with adult) - \$1 <input type="checkbox"/> Junior (11-17 without adult) - \$5	NO Shop Privileges <input type="checkbox"/> Single - \$35 <input type="checkbox"/> Couple - \$60
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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**