



Club Notes



General Meeting: June 19th 2016 7:30 PM at the Church of Christ. Those with the last with N-R, please bring finger foods to the meeting. Unless otherwise stated General Meetings are the third Tuesday of the month at the church at 7:30 pm. You are invited and encouraged to attend! There is a silent auction and door prizes at every meeting.

Next Board Meeting: Monday June 6thth Board Meeting at the shop 7p.m.

Next Show Meeting:



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MGSCV Petrograph June 2016
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 - Mike Cox	VP@mgscv.org	
Secretary - Sheryl Cooper	Secretary@mgscv.org	(510) 589-8858
Treasurer - Betty Milam	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 - Beth Farmer	ShopManager@mgscv.org	
2014 Show Chairman - Cathy Miller	ShowChair@mgscv.org	
Membership - Tony Cooper	membership@mgscv.org	510-589-5292
Editor - Diana Cohoon	Editor@mgscv.org	925-348-3000
Past President - Ron Miller	pastpresident@mgscv.org	

Appointed

Scholarship Chair - Mary Howell
Librarian - Mary Howell
Historian - Norm Hodgson
Purchasing Agent - Beth Farmer
Education Coordinator - Shirley Buschke
Field Trip Coordinator - Mike Cox
Parliamentarian - Doc Buschke
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, Mike McBride, Beth Farmer

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BOARD MEETING

Submitted by **Sheryl Cooper**

The meeting was called to order at 7:05 pm. In attendance are **Bonnie Andrade, Michelle Bennette, Jodi Minshall, Mike McBride, Beth Farmer, Diana Cohoon, Sheryl Cooper, Cathy Miller and Betty Milam.**

Minutes: **Jodi Minshall** moved to accept the February, March and April minutes as printed in the Petrograph. **Mike McBride** seconded the motion and it carried unanimously.

Treasurer: **Jodi Minshall** moved to accept the April treasurer's reports presented by **Betty Milam.** **Sheryl Cooper** seconded the motion and it carried unanimously. The management company sent an email saying the June bill will catch up for several months of PG&E bills now that they have the correct meter readings. The phone bill went from \$57 to \$95 per month. **Betty Milam** talked to them and we have a new phone and plan costing \$20 per month.

Federation: **Mike McBride** is finalizing the rockhound of the year nominations. We discussed the new law going into effect on 7/1/2016. In California it will be illegal to sell or buy ivory and rhinoceros horn. Ivory here means tooth or tusk.

Shop: Make sure your dues are paid to use the shop. **Beth Farmer** is reminding us to clamp the rocks in the saws and make sure they do not move at all. If there is not enough surface on odd shapes and thin pieces to clamp it sufficiently then you need to glue it to a board first. It was a

great shop cleanup but not many people. The next one will be in September. There is some **Arland Stokes** estate rock at the shop, with more to come.

We discussed faceting room mishaps - trim saw being overfilled, a brand new wheel being charged and cleaning up the area. **Jodi Minshall** moved to start a log book for the faceting room. You would sign, date and state which machine you are using. **Diana Cohoon** seconded the motion and it carried unanimously.

Announcement: The next Faceters Frolic will be a one-day event at Marriott in August 2016. Club members will have first chance then it will be announced to general public.

Show: **Cathy Miller** has some flyers available for the 2017 show at the shop. The next show meeting is Thursday, September 1st. **Ed Rigor** donated several items for the raffle. We picked one for the 2017 show and will get tickets printed in early fall.

Editor: **Diana Cohoon** would like the articles in early.

Membership: We have 117 current members.

Unfinished Business: We haven't heard from the person willing to take over as webmaster.

New Business: **Jodi Minshall** has some money raising ideas for us to think over. Non-member lapidary and faceting classes. Non-member sawing services. Charge for parking at our show. Club booth at our show to sell club items. Once scholarship fund is

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covered by the auction items put the balance into the general fund. Anyone else have ideas? Let a board member know your thoughts.

The next board meeting will be June 6, 2016

The meeting adjourned at 8:30 pm.

GENERAL MEETING

Submitted by **Sheryl Cooper**

Bonnie Andrade called the meeting to order at 7:45 pm. There are 25 members.

MGSCV celebrated 68 years with chocolate cake. Yeah!

Sunshine: **John Caudill** made it to the meeting. It is good to see him up and walking about.

Doc Buschke is doing much better.

Minutes: **Shirley Buschke** moved to accept the February, March and April minutes as printed in the Petrograph. **Jodi Minshall** seconded the motion and it carried unanimously.

Presentation: The petition barely hit the table at the shop and 10 people had already signed it. **Shirley Buschke** proudly presented a Lifetime Membership Certification to **Cathy Miller**. Congratulations!

Federation: **Mike McBride** posted an article at the shop from the East Bay Times regarding the Death Valley rockhounding sites disappearing. The CFMS show is Sept 16-18, 2016 at the El Dorado County Fairgrounds. Fossilized Ivory Alert - as of 7/1/2016 you are not allowed to sell or buy

fossilized, raw or carved ivory from many animals in California. This includes, but not limited to, elephant, walrus, hippopotamus, and narwhal. Rhinoceros horn is also included in this law.

Shop: **Beth Farmer** says the rock in the back of the shop is 1 cent per pound or 10 cents per slab. Place your money in an envelope labeled "rock sale" and place it in the safe. There have been accidents with the small saws recently. If you see or hear the rock wobbling let someone know so it can be fixed before the blade is damaged.

Show: **Cathy Miller** is working on pre-planning ideas. The next show meeting is Thursday, September 1st. There will be signup sheets for coordinators.

Membership: We have 117 current members. Reminder -The 2016 membership fees went up.

Membership with shop privileges went to **\$45** per person and **\$80** per couple. Juniors will stay at **\$5** or **\$1** with an adult membership.

Education: **Andrei Kozyrev** will hold an enameling class. **Jim Ewing** is teaching 4 people how to cast so it can restart soon.

Jodi Minshall is the temporary Saturday faceting teacher. **Victor Arca** is at the shop on Saturday for wire wrap help.

Reminder - You must be a current member to take classes.

Announcement: **Dayton Simmons** is giving a presentation on turquoise and how to tell the difference between real or not. It will be at the San Francisco club house on Friday, June 3rd. **Beth Farmer** is planning

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on going. You can contact her for more information.

Money Drawing: The name drawn tonight is **Jodi Minshall**. Congratulations you win \$105. The amount returns to \$100 for the June meeting.

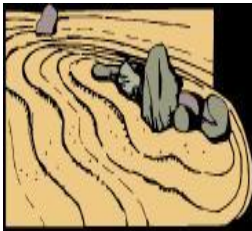
Ticket Drawing: **Horace Robertson, Carolyn Caudill, Mark Caudill, Greg Ordonez, Bill Luna, George Kozakura, Chuck Meyer, Mark Montgomery, Cathy Miller, Betty Milam, Jim Ewing, Jodi Minshall, Maya Caudill-Merida and Neil Delfino**

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

The next general meeting will be on June 21, 2016.

ANNOUNCEMENTS

CFMS NEWS - Anyone interested in CFMS scholarships, Camp Zzyzx or Camp Paradise please contact Mike McBride, e-mail Federation@mgscv.org or Show committee:



ROCK RUMBLES June 2016

By Shirley Buschke

Once again **Mark Montgomery** and **Betty Milam** put on a display at the Castro Valley High School Science fair. This year they were joined by **Maggie**, Kids of all ages loved it.

Betty Milam was also busy teaching an enameling class. Now her students are ready to take the advanced class from **Andre Kozyrev**.

Don't forget the Alameda County Fair in Pleasanton. Hope our club members go home with lots of ribbons. Among our entrants are **doc and shirley Buschke, Bonnie Andrade, Rennie Castilino, Darlene and Vic Pasquini, Mark Montgomery, Norm Hodgins and Jodi Minshell**.

Shop boss **Beth Farmer** says there has been some abuse of saws. Please step in and show the person the proper use of the saws. Also, many are not paying the sawing fee, 20 cents per square inch for all but jade which costs 40cents per square inch.

The trim saw is free. The fees are used to replace blades that do wear out. There is a grid showing square inches hanging on the wall near the casting room.

Great to see **Jim Ewing** teaching a group of beginners the steps in casting. The first lesson taught them to invest (that means putting plaster around the wax model). Next they need to learn how to set the oven to burn out the wax and then it's to use the torch so they can melt the metal for casting. **Beth, Michelle Bennet and Jodi Minshell** with new member **Crystal Hoffman** were in the class.

Reluctantly **Jerry Perko** is giving up opening on Sundays. He has done this for several years. **Peggy Lee** will be opening at 10. Thank you, **Jerry**, for your devotion and hope to see you at work soon.

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There is lots of stuff from the estate of **Arland Stokes**. Put the money in the safe and marked **Arland Stokes**. He had tons of beautiful material. The auction case also has some donations from his cache. He did really nice work.

Bill Luna has been making noises about moving to Idaho. Sure hope he isn't serious. It's a nice place to visit, **Bill**.

We have lots of material from The **Arland Stokes** estate for sale at the shop. Including lots of turquoise, opals, rocks, equipment etc. Put the money in the safe and mark it **Stokes** estate. We also have received a donation of chains and necklaces from **Ed and Pat Rigor**. It is yours for a small donation. Most are gold plated, some are silver, good deals.

SHOW SCHEDULES

NORTH ORANGE COUNTY GEM & MINERAL SOCIETY

La Habra, Ca

Fri. 5-8, Sat. 10-6, Sun. 10-5

101 W, La Habra Blvd.

Don Warthen 626-330-8974

odwarthen@verizon.net

www.noegms.com

GLENDORA GEMS & MINERAL SOCIETY

Glendora, Ca

Sat. 10-5, Sun. 10-4

Goddard Middle School

859 E. Sierra Madre ave.

Bonnie Bidwell 626-963-4638

Ybidwell2@aol.com

SAN LOUIS OBISPO GEM & MINERAL SOCIETY

Cambria, Ca

10-5 daily

Cambria Vets Hall (new show location)

1000 Main Street

Kim Patrick Noyes 805-610-0603

limnoyes@gmail.com

www.slogem.org

CULVER CITY ROCK & MINERAL CLUB

Culver City, Ca

June 25 & 26th; Sat. 10-6, sun. 10-5pm

Vetrans Memorial Auditorium

4117 Overland Blvd.

Janice Metz 310-850-4398

janicemetz@yahoo.com

www.culvercityrocks.org/fiesta.htm

ORCUTT MINERAL SOCIETY

Nipomo, Ca

Aug. 5, 6, 7th; Fri. & sat. 10-5, Sun. 10-4

Nipomo High Schoolinc.org

Olympic Hall cafeteria & parking lot 525 No.

www.omsinc.org

SAN FRANCISCO MINERAL & GEM SOCIETY

San Francisco, Ca

Aug. 13 & 14th; Sat. 10- 6, Sun. 10-5pm

San Francisco County Fair bldg.

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Ellen Knott 415-564-4230

Ellen_nott@yahoo.com

www.sfgmshow.org

77th CFMS SHOW AND CONVENTION

Hosted by EL DORADO COUNTY
MINERAL & GEM SOCIETY

Placerville, Ca

September 16- 18; Fri-Sun. 10-5 daily

El Dorado County Fairgrounds

100 Placerville Dr.

Barbara Terrill 530-676-2375

www.efms2016show.com

Registration and lodging are posted on the
website

STOCKTON LAPIDARY & MINERAL CLUB

Lodi, Ca

Sept. 24 & 25th; 10-5pm daily

Lodi Grape & Harvest Festival Grounds

413 East Lockford St.

Jerold Kyle 209-368-9411

jeroldkyle@yahoo.com

www.stocktonlapidary.com

SANTA ROSA MINERAL & GEM SOCIETY

Santa Rosa, Ca

Sept. 24 & 25th; Sat. 10-6, Sun. 10-5pm

Wells Fargo Center for the Arts

50 Mark West Springs Rd.

Erica 707-528-7610

www.SRMGS.org



GEM OF MONTH June 2016

By Shirley Buschke

This month's gem has been a member since we were at the school shop. She has worked in all of our club activities. Shortly after joining she became secretary. She is adept in all facets of the club but seems to favor silver smithing. She has a son and a daughter. She has made several trips to Tucson but decided to slow down her trips. Too tempting to spend money Our gem is also a world traveler and has been just about everywhere

She is always around during shop clean up, rock sales, and worked at the show in the kitchen in the past. Since we can't sell food, we now depend on food trucks. She is always busy at the show in many capacities. Our gem learned many of her skills from her father. She has a vintage car and recently bought a big truck. Our gem is a good fixer upper and along with **Mark, Ken Panico** and **Horace**, keeps the shop going so by now you have guessed who our gem is. She is the one who looks for bargains, cracks the whip when necessary, organizes sales, buys for the store, and keeps the shop going. She truly is a gem. She even helps her partner at orchid shows.

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Of course, you guessed in the beginning, our gem is **Beth Farmer**.

BRAD SMITH BENCH TIPS

LITTLE THINGS CAN BITE

Most jewelers treat motorized equipment with caution. We've all heard stories about work pieces coming loose in the drill press or about getting long hair or clothing caught in the polishing machine. It stands to reason that a machine with a motor of a half horsepower or so is going to win out over its operator. We all know that, and I'm not going to harp on it. That's not the point of this story.

I want to talk about the smaller motor powered machines we often use, the ones with little 3 inch diameter motors. For instance, these small motors are used in flexshafts and micro buffers. They're so small that many of us forget caution when using them. I'm guilty of it myself sometimes, and believe me it can get you in trouble. Here's what happened to two people I know.

One friend had a polishing bur bend in the handpiece and then whack the thumb that was holding the workpiece so badly that it seemed the bone might be broken. The swelling was substantial, and it took several weeks to regain normal use. A small underpowered motor? I don't think so.

Another friend was using one of the small buffing machines, the kind you can stop when you apply too much pressure to the wheel. Not to worry about such an underpowered beast you say. Wrong, it

literally jumped up and bit the hand that feeds it !

The buffer was set on a low table to do a quick polish, so was not mounted or clamped. A buff was installed on the right spindle, no buff on the left. Friend was wearing a tight-fitting, long-sleeved sweater. While buffing on the right wheel, the left tapered spindle caught a thread on the friend's left sleeve and started grabbing more and more threads and sleeve.

Rather than pulling the arm into the machine, the light buffer quickly lifted off the table and started climbing up the underside of the friend's arm. There was no way to get a hand of the on/off switch because the unit was spinning wildly and battering my friend like a club wielded by a mad man. Only when my friend could grab the gyrating power cord and yank it from the wall did the mayhem stop.

So when you're in the shop, please think safety. Don't take even those little motors for granted.



"Bench Tips for Jewelry Making" and "Broom Casting for Creative Jewelry" are available on Amazon

KIDS KORNER

By: Elizabeth Bennette, 16 years old

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Exploring the Caves

Caves are classified as naturally occurring underground passageways and open spaces. This phenomenon is largely due to the extreme weathering and erosion of limestone and other calcium-rich soluble mineral deposits. The less frequent, but equally as effective, cave creation process is the result of lava flow. As lava tubes drain lava from a volcano, an empty channel is left behind. Other cave formation processes include wave erosion, glacial melting, and earthquakes. The most significant features of caves include rivers/streams, stalagmites and stalactites, and, in specific caves, crystal deposits.

Some of the largest caves are found outside of Northern America, and are frequently visited by geologists and photographers for their unique qualities and, occasionally, concentrated mineral deposits. Some of the most well-known include the Cave of Crystals in Mexico and Han Son Doong cave in Vietnam. The cave of crystals is located 300 meters below the surface, and is particularly famous because of the towering selenite beams that protrude from all angles of the cave. The cave itself was discovered in 2000, but has been visited by very few individuals because of the intense environment. Caves with high humidity and that exist at incredible depths like the cave of crystals have air temperatures reaching up to 120 degrees Fahrenheit. Through studies of the selenite samples, geologists can better understand the geologic history of that particular location and discover where other caves like

that one may exist. The Han Son Doong cave in Vietnam is equally as stunning, as it is well known as the world's largest cave. It was created as a result of the slow, steady rock erosion of limestone. Due to the vastness of the cave, extending over 4 miles, it sustains its own ecosystem within, supporting the life of creatures unfamiliar to the science community. Through the study of this particular cave, zoologists and botanists are able to work with geologists to fully understand how caves can uniquely foster the lives of incredible creatures. However, in order to gather this data, geologists and adventurers take part in spelunking.

A popular pastime and extreme sport associated with caves is spelunking. Spelunking (from the Latin *spēlunca* - "cave/cavern") involves the exploration of caves. The term "caving" is the same but may apply to more experienced cave explorers. Some caves in the US are paved and open for visitors to simply stroll through, others require hefty equipment and experience. Popular caves open for guided tours are in Oregon, Hawaii, and Iceland. Edouard-Alfred Martel, a Frenchman, innovated the activity of caving when he developed techniques using ladders and ropes. The National Speleological Society, formed in 1941 by a group of American cavers in efforts to promote cave research and exploration.

One of June's birthstones is **Alexandrite**, it is in the family **Chrysoberyl**. The two other stones are **Pearls**, and **Moonstone** which is **Feldspar**.

The alexandrite variety displays a color change (alexandrite effect) dependent upon the nature of ambient lighting. Alexandrite effect is the phenomenon of an observed color change from greenish to reddish with a change in source illumination.[6]

Alexandrite results from small scale replacement of aluminium by chromium ions in the crystal structure, which causes intense absorption of light over a narrow range of wavelengths in the yellow region (580 nm) of the visible light spectrum.[6] Because human vision is more sensitive to light in the green spectrum and the red spectrum, alexandrite appears greenish in daylight where a full spectrum of visible light is present and reddish in incandescent light which emits less green and blue spectrum.[6] This color change is independent of any change of hue with viewing direction through the crystal that would arise from pleochroism.[6]

Alexandrite from the Ural Mountains in Russia can be green by daylight and red by incandescent light. Other varieties of alexandrite may be yellowish or pink in daylight and a columbine or raspberry red by incandescent light.

Alexandrite step cut cushion, 26.75 cts.

Stones that show a dramatic color change and strong colors (e.g. red-to-green) are rare and sought-after,[5] but stones that show less distinct colors (e.g. yellowish green changing to brownish yellow) may also be considered alexandrite by gem labs such as the Gemological Institute of America.[7][8]

According to a popular but controversial story, alexandrite was discovered by the Finnish mineralogist **Nils Gustaf Nordenskiöld** (1792-1866), and named alexandrite in honor of the future Tsar Alexander II of Russia. **Nordenskiöld's** initial discovery occurred as a result of an examination of a newly found mineral sample he had received from **Perovskii**, which he identified as emerald at first.[9][10] The first emerald mine had been opened in 1831.

Alexandrite 5 carats (1,000 mg) and larger were traditionally thought to be found only in the Ural Mountains, but have since been found in larger sizes in Brazil. Other deposits are located in India (Andhra Pradesh), Madagascar, Tanzania and Sri Lanka. Alexandrite in sizes over three carats are very rare.

Today, several labs can produce synthetic lab-grown stones with the same chemical and physical properties as natural alexandrite. Several methods can produce flux-grown alexandrite, Czochralski (or pulled) alexandrite, and hydrothermally-produced alexandrite. Flux-grown gems that are fairly difficult to distinguish from natural alexandrite as they contain inclusions that can look natural. Czochralski or pulled alexandrite is easier to identify because it is very clean and contains curved striations visible under magnification. Although the color change in pulled stones can be from blue to red, the color change does not truly resemble that of natural alexandrite from any deposit. Hydrothermal lab-grown alexandrite has identical physical

and chemical properties to real alexandrite.[11]

Some gemstones falsely described as lab-grown synthetic alexandrite are actually corundum laced with trace elements (e.g., vanadium) or color-change spinel and are not actually chrysoberyl. As a result, they would be more accurately described as simulated alexandrite rather than synthetic. This alexandrite-like sapphire material has been around for almost 100 years and shows a characteristic purple-mauve colour change, which does not really look like alexandrite because there is never any green.[12]



www.china.cn

MOONSTONES



Natural Stone



This is an exhibit taken in white light and yellow light, which exhibits its color change.

This is the natural Alexandrite



These are lab created Alexandrite which has the same properties as the original but are stronger.



Polished stone

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Shop Schedule
(All shop session's members only)

MAP

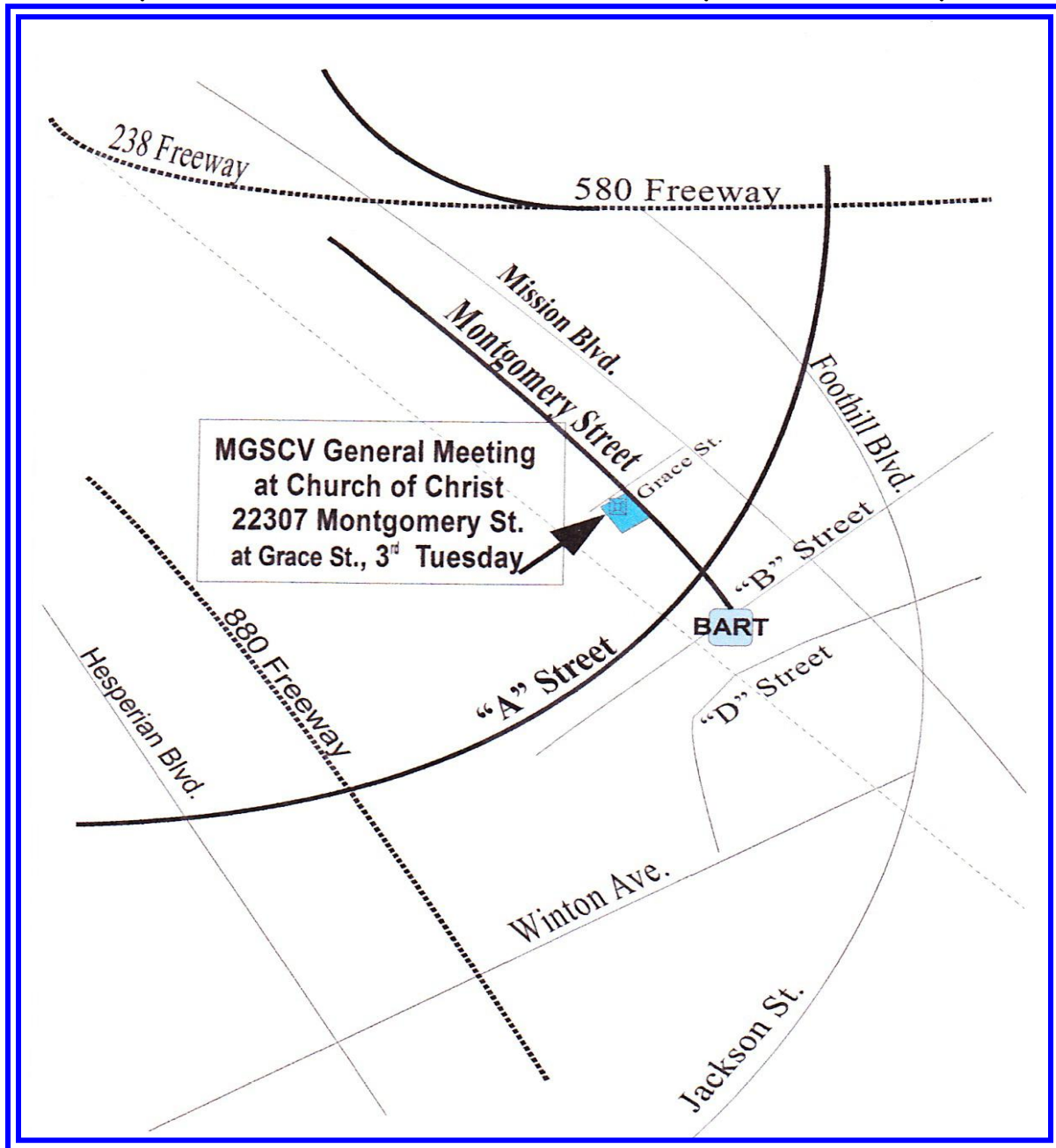
- Monday** 10 AM to 1 PM, Lapidary
 6 PM to 9 PM, Beginners only in lapidary
- Tuesday** 12-to 5 PM, need daytime supervisor
 6 PM to 9:00 PM, Lapidary,
- Wednesday** 9AM to 12:00PM, Lapidary
 Library open 10AM to noon.
 5:30 - 8:00 PM Lapidary
- Thursday** 10:00 AM to 1:00 PM, Lapidary
 7 PM to 9 PM, 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@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 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