

CLUB NOTES



Next Board Meeting and Show Meeting will be **Saturday May 8th. at 3:00 PM** via **Zoom virtual room**. If you have not received a link to the meeting, and would like to attend, please email president@mgscv.org and request an invitation.virus

. the General Meeting for May 15th via Zoom at 3:00

 **Happy
Father's
Day!** 

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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, but if requested, the contributor's name can be withheld. Members are encouraged to submit articles that may be of interest to the general membership. The Editor reserves the right to edit or omit any submitted articles. Sources must be cited for material quoted from other authors. Permission to reprint Petrograph articles is hereby granted provided properly cited.

2020 MGSCV Officers

Elected

President - Jodi Minshall	President@mgscv.org	
Vice President - Greg Croft	VP@mgscv.org	
Secretary - Sheryl Cooper	Secretary@mgscv.org	(510) 589-8858
Treasurer - Sheryl Cooper	Treasurer@mgscv.org	
Director - Pete Bergeron	Director1@mgscv.org	
Director - Norm Hodgson	Director2@mgscv.org	
Director - Michelle Bennette	Director3@mgscv.org	
CFMS Director - Beth Farmer	Federation@mgscv.org	
Shop Manager Neil Delfino	ShopManager@mgscv.org	
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 - Bonnie Andrade	pastpresident@mgscv.org	

Appointed

Scholarship Chair - **Greg Croft**
Librarian - **Mike Mc Bride**
Historian - **Norm Hodgson**
Purchasing Agent - **Beth Farmer**
Education Coordinator - **Lily Johnson**
Sunshine Reporter - **All members**
Door Prizes - **Neil Delfino**
Web Master - **Tony Cooper**
webmaster@MGSCV.org



Publication Staff



✧Contributors: **Sheryl Cooper, Jodi Minshall**

BOARD MEETING MINUTES

By Rosita Alvarez Croft

May 8, 2021

The meeting was called to order at 3:00 PM by Jodi Minshall.

The Board Meeting on Saturday, June 12th will be in person at 3 PM and will also be on Zoom for those who are not comfortable meeting in person.

There were 10 Board members in attendance: Jodi Minshall, Bonnie Andrade, Greg Croft, Beth Farmer, Michelle Bennett, Neil Delfino, Pete Bergeron, Cathy Miller, Lily Johnson, Norm Hodgson.

Meeting minutes from the previous Board of Director's meetings for April were reviewed. Norm Hodgson moved the minutes be accepted as printed in the Petrograph with Greg Croft seconding the motion. A vote on the motion was taken and was passed unanimously.

Committee Reports:

Vice President: Greg Croft is working on a short presentation for the May General Meeting on May 15th.

Treasurer: Not present

Shop Manager: The Material collected from the house in San Leandro is now in the shop. Neil Delfino requested suggestions for a more secure way of storing them. The shop supervisors need to keep people from rummaging through it.

Cathy Miller reminded us that there are four display cases with locks upstairs that could be used for some of the smaller items.

The shop needs to be cleaned up. Maybe we can arrange a "Clean Up" get together in late June?

Lily Johnson had a problem starting Genie #2, Neil Delfino rolled it back and forth a couple of times and got it to work. He asked Lily to try it again and to let him know if it still did not work.

Neil installed sheet metal work inside the 18" saw and it works fine now. He will take a look at the other saw.

Pete Bergeron had a problem with the 24" saw. It stopped working about half way through cutting a piece of marble. It was hot so he waited about

30 minutes and it would not start again.

Librarian: Not present

CFMS Representative: CFMS is considering going to a digital format for their Newsletter.

Beth Farmer has posted the Entry Forms for Camp Paradise in the shop. Sandi Kilcrease (slk95228@gmail.com) or Sandie Fender (sandie.fender@gmail.com) can also provide an application form. The forms are also available at the end of the May 21st online CFMS Newsletter (page 9).

Show Chairman: We are still waiting to see when we can go forward with the show plans.

Cathy Miller and Beth Farmer need to get together to discuss the number of vendors. Cathy sent out 50 plus emails that contained the Oct. 16-17 dates. So far, we have 24 confirmed vendors. At most, 15 will fit in one hall. If we can get 28-30 vendors we can use both buildings. However, we need to wait until July or August before we know the parameters

allowed by the Alameda County Health Department.

We need to decide if we are going to have a raffle. If so, we need to ask our members for some donation items.

We are still going to try to hold a Gem Show in March 2022.

Membership Coordinator: Not present

Treasurer's Report: Not present

Sunshine Report: Sheryl's treatment is going well.

Procurements Report: Not present

Purchasing Agent: Nothing to report

Education Coordinator: Lily Johnson is considering teaching Metal Smithing and Wire Wrapping classes.

Teresa stopped by on Wednesday to check out the Introductory Kits for the Beginning Lost Wax class. She is ready to start doing Zoom classes and is considering working with 2 or 3 students in person.

Editor: Not present

New Business: We need to start looking for a Beginning Stone Cutting instructor for Monday Nights. Mike McBride is not sure if he is ready to come back yet.

We should plan for an Open House the weekend of June 26-27th. It needs to be all hands on deck. Please let someone know if you cannot make it. We will do Clean Up on Saturday, June 26th from 9 am to 2 pm and hold the Open House on Sunday, June 27th from 10 am to 2 pm. There will be club materials available for purchase.

Neil Delfino attended the Sutter Creek Gem and Mineral Show last weekend. There were lots of people from a lot of places in California. He met a couple from Mendocino looking for help identifying rocks.

The show was outdoors and the parking lot was completely full by 11 am. People were parking next door.

The Alameda County Fair is officially opening in October. Beth Farmer has not heard anything about the Mineral and Gem Building. Pete Bergeron received an email from someone from

the County Fair regarding a Virtual Competitive Exhibit. The entry deadline is Tuesday, June 1st.

Kirk Schultz is wondering if we can have 6 people in the shop. However, until June 19th The Alameda County Health Department will only allow us to be at 25% of capacity. We need to wait until they let us know we can increase the number of people.

We will have a blended format for both the Board (June 12th) and General Meetings (June 19th), (i.e. in person for those who feel comfortable doing so and via Zoom for those who are not).

The Shop will remain open for member work sessions at the hours below. Beth will update

Monday Closed, looking for a lapidary instructor

Tuesday Closed, need daytime supervisor, Lapidary - Closed

Wednesday Lapidary - 11 AM to 1 PM,

Library open 11 AM to 12 PM. Kirk Schultz, teaching faceting in the evenings, 6 PM to 9 PM

Thursday Lapidary - 10 AM to 2 PM,

Friday Closed

Saturday Faceting - 9 AM to 12 PM,
Lapidary - 9 AM-12 PM, Juniors,
w/supervisor's approval, Library open
10 AM to 12 PM.

Sunday Lapidary - 9:30 AM to 12:30
PM

The hours on the board at the Shop.

GENERAL MEETING

By **Rosita Alvarez Croft**

May 15, 2021

By **Rosita Alvarez Croft**

The meeting was called to order at
3:10 pm by **Jodi Minshall** via a Zoom
meeting space.

There were 6 club members and no
guests in attendance. After **Greg
Croft's** presentation and a brief
discussion regarding the upcoming
show in October. It was decided to
end the meeting early because all of
those present were board members.
The June meeting will be in person
and via Zoom (for those who are not

comfortable meeting in person) at
the Church on June 19th at 3 PM.

Presentation:

Greg Croft gave a short presentation
called "Rhodonite in California".

Meeting Minutes:

Meeting minutes from the previous
Board and General meetings were not
reviewed at this meeting. All present
were board members.

Committee Reports:

Show Chairman: **Cathy Miller** gave a
brief update on the upcoming show
status.

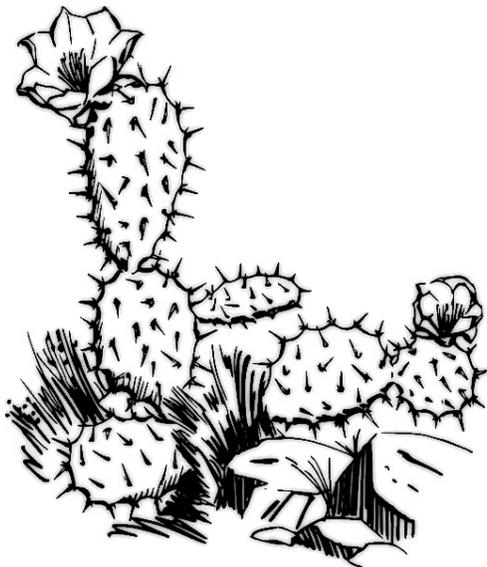
El Dorado Gem and Mineral Society
in Placerville has rescheduled their
show for the same weekend as us.
Some dealers have cancelled. We
have at least thirty potential
vendors. Eighteen to twenty have
confirmed but we don't want to send
out contracts until we get the go
ahead from the Alameda County
Health Department. We have
confirmations from **Garson Gems** and
**Minerals, Alberta Gems, Harmony
Gems, Afghan Gems, Scott's Gem**

and Mineral and Rock Solid Jade and a few other regulars.

It was suggested that contracts be sent out anyway just to make sure the vendors have them re



GEM OF THE MONTH



Updated Letter From The Prez By Jodi Minshall

We are hosting a Silver Pick Field Trip,-again!

Dick and Betty Pankey are hosting a Silver Pick Field Trip. What is a Silver Pick field trip? You don't need a rock hammer, shovel, gads, pick or any other tools, just bring your rock bag and CASH (aka your silver coins) and come collect in our back yard. After over 30 years of field trips and collecting we are sharing our adventures. and memories. We did the digging, hauling, sorting and cleaning so that all you have to do is choose and pay. We have collected in many of the western states and in a few Midwest and Eastern states. We collected: obsidian at Davis Creek and Glass Butte; petrified wood in UT, WY, AZ, CA and WA; geodes and nodules at Wiley Wells, NM, NV, OR, UT, TN and IA; chalcedony roses and nodules at Round Mountain, NM; volcanics in northern CA; travertine in AZ and CA; jasper and agates from all over the place; bertrandite from UT; quartz crystals from AR, CA, and NM; Trona mineral specimens; and a whole lot more.

We will host this Silver Pick Field Trip on Friday, Saturday, Sunday (each weekend), Aug. 6th to 14th; dickpankey@juno.com 8:00 AM to 4:00PM and Monday thru Thursday by appointment at our home in

Pittsburg, CA. Directions: 4310 Kingsly Dr., Pittsburg, CA 94565 In Pittsburg take Buchannan Rd. to Suzanne (stoplight) turn south and follow signs with orange paper plates. Go south about 1/2 mile and turn right on to Kingsly Dr. For more information contact dickpankey@juno.com or 925-439-7509

We will be selling rough rocks by the crate, by the flat and by the piece; slabs by the piece and by the flat; minerals and specimens by the flat and by the piece; garden rocks by the piece.

In addition to rocks and minerals there are: tumblers and equipment, tools, supplies, grit & polish, books, posters, findings, books and magazines, T-Shirts, stained glass and much, much more.

Bring your pick-up truck and your Silver Pick and join us in August for two weekends of Rockhound fun.

Dick and Betty Pankey

Spinel (MgAl₂O₄). Ed. The name spinel is believed to derive from the Latin word, spina, meaning "thorn," perhaps in allusion to the pointed shape typical of spinel octahedra. In the past, spinel has been referred to as "balas ruby", a reference to the mines of Badakhshan. Many of the worlds most famous large "rubies" are, in fact, red spinel. One of the finest examples of a Badakhshan spinel is the Black Prince's "Ruby", a 170-ct. stone which is mounted in the front of the Imperial State Crown of Great Britain. It is on public display at the Tower of London Other fine examples of these Badakhshan spinels can be found in some of the most famous gem collections in the world. Perhaps the largest single grouping is in the Crown Jewels of Iran in Teheran. Others can be found in the Kremlin in Moscow. Spinel is found as a metamorphic mineral and also as a primary mineral in rare mafic igneous rocks. In these igneous rocks, the magmas are relatively deficient in alkalis relative to aluminum, and aluminium oxide may form as the mineral corundum or may combine with magnesia to form spinel. Gem spinel forms in the same rocks and by the same processes that

produce gem corundum. Throughout history, spinel has been confused with ruby. In part, this is because spinel is often found in the same deposits. Gem spinel is a magnesium aluminum oxide, while ruby (corundum) is an aluminum oxide. In deposits where both ruby and red spinel are found, spinel is typically more common than ruby. This is because, when both magnesium and aluminum are present, spinel grows. Only after the magnesium is exhausted, does ruby get a chance to crystallize. In addition, both ruby and red spinel owe their color to the same Cr^{+3} ion. Spinel crystallizes in the isometric system; common crystal forms are octahedrons, usually twinned. It has an imperfect octahedral cleavage and a conchoidal fracture. Its hardness is 8, its specific gravity is 3.5-4.1 and it is transparent to opaque with a vitreous to dull lustre. Spinel, like garnet and tourmaline, is a mineral name that refers to a group of minerals all having the same crystal structure. Members within the group differ by containing varying amounts of Fe, Cr, Zn, Mn and Ni that substitute for Mg and Al in the crystal lattice. Probably the most familiar minerals that have

the spinel crystal structure are the ore minerals magnetite ($Fe_2+Fe_3+2O_4$) and chromite ($Fe_2+Cr_2O_4$), neither of which is a gem material. Gem spinel is usually quite close in composition to Mg, Al spinel, but contains small amounts of Fe, Zn, and Cr that act as chromophores and account for the wide range of possible colors. Red and pink spinel is colored by trace quantities of Cr. Blue, violet, orange and green spinel by Fe. Zn, Cr, and Co (rare) are also present in some blue, violet and purple stones. Important members of the spinel group include: Spinel - $MgAl_2O_4$, Gahnite - $ZnAl_2O_4$ Franklinite - $(Fe,Mn,Zn)(Fe,Mn)_2O_4$ Chromite - $(Fe \cdot Mg)Cr_2O_4$ Magnetite - Fe_3O_4 Hercynite - $FeAl_2O_4$ Ulvöspinel - $TiFe_2O_4$ Jacobsite - $MnFe_2O_4$ Trevorite - $NiFe_2O_4$ Ringwoodite - $SiMg_2O_4$, Red spinel has always resided in the shadow of ruby, with the result that prices are just a fraction of what the equivalent ruby would cost. Spinel colored by cobalt is one of the delights of the gem kingdom. Prices of these intense cobalt-blue spinels can rival, or even exceed, those for the finest reds. Because synthetic spinels are often used for imitation birthstone rings,

many people think "synthetic" when they hear the name "spinel." This is unfortunate, for a fine gem spinel is one of nature's most beautiful and rare treasures. In fact, the main thing holding back greater recognition for spinel is rarity. In addition to red, pink, orange and blue, spinel is found in a myriad of other colors. These are generally termed "fancy" spinels, and occur most often in shades of mauve, violet, purple and blue-green. As with other colored stones, depth and purity of color and clarity are highly prized. Reds and pinks are apparently the most expensive, closely followed by lavender and blues. In the red hues, ruby-like colored spinel has sky rocketed in price and popularity, directly followed by hot pink and padparadscha colors. The price trend with color seems to follow sapphire. Good gem spinel in any color (particularly pinks and reds) in sizes of 3 carats or above is very rare (rarer than ruby or sapphire). Several authors state that given the rarity and beauty of good pink and red spinel these stones are highly undervalued and should continue to increase in price. Prices have historically suffered from confusion

and comparison with corundum and synthetic spinel. Detractors from value are brownish or Grey overtones, or a muddy color, particularly in reds and blues. Spinel (Continued) In terms of clarity, spinel is often cleaner than ruby. However, the very finest reds are so rare that some clarity defect is almost always present (usually fractures). Included crystals are quite common in spinel. Many stones display natural iron-oxide stains in their fractures. Due to the octahedral nature of spinel rough, the most common shape seen is the cushion. Rounds are also seen, as are other shapes, such as the emerald cut. Lack of cleavage and pleochroism make these relatively simple stones to cut. While faceted spinels of 100 carats or greater are known, top red or blue stones in sizes above five carats are rare. Fancy spinels in sizes up to 20 carats or more are generally available. True spinel has long been found in the gemstonebearing gravel of Sri Lanka and in limestones of Myanmar and Thailand. The best red, pink and orange spinels originate from the rich gem gravels of Burma's Mogok Stone Tract. The best blue and violet spinels are found in Sri Lanka

(Ceylon). Gem spinel is also found in Vietnam, the Pamir mountains of Tajikistan, Tanzania and Madagascar. Black spinel is mined in Thailand (at Bo Ploi, Kanchanaburi). Specimens from Burma's Mogok Stone Tract are often so perfect that they are mounted in jewelry as is. Such stones are termed nat thwe ('spirit polished'). Synthetic spinel has been produced by the flame fusion (Verneuil) process since about 1909 and is widely used as a corundum, diamond, and chrysoberyl imitation. It is made in a variety of colors, some of which (yellow) are not found in nature, and has also been grown in Russia by the flux process in red and cobalt-blue colors. All differ from natural spinel in chemical makeup (more Al than Mg in comparison to naturals). This difference is reflected in the R.I. and S.G., which are consequently valuable properties in distinguishing naturals from synthetics, or synthetic spinel from corundum. Specific Gravity varies with composition; most gem varieties are in the range 3.58-3.61. Zn-rich spinel (rare) can be as high as 4.40. Synthetic spinel has an S.G. of 3.63-3.64. Refractive Index is about 1.72 for most natural gem material; red

spinel may be as high as 1.74, Zn-rich as high as 1.805. Synth. spinel has a noticeably different R.I. of $1.727+0.001$. Birefringence: none, isotropic. Synthetic spinel often shows a patchy A.D.R.. Dispersion: medium, 0.02. MGSCV Petrograph - November 2007 - 8 - Spinel (Continued) U.V. Fluorescence: strongest under long wavelength u.v. weak to absent in short wavelength u.v. Synthetic spinel may often show a bright blue, chalky green, or red fluorescence in short wavelength u.v. light. Trip Report - Sheldon, Virgin, Plush and Hayden, Part 3. Mike Tice The temperatures were in the high 80's and the wind taking a rest as I pulled into the Spectrum Mine and parked the bus under a cloudy blue sky. All the available parking was taken, and I was relegated to a spot "in the sticks". With the exception of the off-limits main pit, it seemed that all remaining mounds, pits, piles and conveyors were well attended to by erstwhile treasure seekers. Children were in abundance, either working the sifters under the watchful eyes of their fathers and occasionally being yelled at, or running about aggravating the other miners and occasionally being yelled

at. Jessica waved as I drove by her store, but she was busy with customers and it was a while before she was free. Chris was his usual bubbly and happy-golucky self, bounding over to vigorously shake my hand and welcome me back..... NOT! Unprepared to actually do some digging and sifting, I had planned to ask for a \$200.00 conveyor run in hopes of finding some big reds to facet. I wanted to see what was coming off the belt first, so I hung around and helped pick for two runs. Frankly, what I saw didn't excite me too much and besides, my back was starting to hurt so I decided against it. I was surprised when Jessica said that they didn't have any big reds for sale; but they had been so busy that they had not done any mining for the mine yet. It was getting on in the afternoon by now, and I cruised around, watching the miners, talking to Chris's workers and enjoying the pleasant weather and cloud formations. It was either too cloudy to pick up anything off the ground or my eyes are shot because I couldn't see anything laying around. One of the workers was showing me some fire opal that he had mined on Hart Mountain. I had heard that there was

opal to be had there but had no idea where to look. This fellow said that he had to "hang off a rope 30 feet down off the top of the Mountain". Seemed a little vague to me and Hart Mountain is a big place. I have topos of the entire area, but did not have them with me as this was an unplanned stop. I missed out on what will probably be my only chance to pinpoint this spot. Trip Report (Continued) I'm sure Chris knows, but I have never had much luck getting more than a nod and a stare out of him. Jessica pointed out the missing awning next to her store and the flattened shower structure and said that a week or two before a MAJOR wind had come through and trashed the whole place. She was very proud of her tipi; it must have been firmly anchored to escape the wind storm. The miners were an interesting lot, most of them looked as if they had just interrupted a shopping trip to Safeway. I saw few long shirts or hats or the typical miners garb, instead lots of cotton shorts, sneakers and chubby, sunburned legs. Everyone seemed to be having fun, particularly on the conveyor. Chris has probably heard someone say "This reminds me of the "I Love

Lucy" episode when Lucy and Ethel worked on the conveyor in the candy factory" a hundred times. As the day drew to a close, the miners departed for their motels in Lakeview and soon I was the only one left. The sporadic cloud cover made for a gorgeous sunset, which I enjoyed from the comfort of my folding chair. As the evening wore on, the staff turned in and eventually it seemed as if I was the only one on the desert. I strained to hear the last of the birds or perhaps a distant coyote and was certain that I heard the bray of a burro, but saw nothing. Early the next morning I packed up and hit the road before anyone was out and moving around. I had to pass by the Dust Devil on the way out and since they were open and working, I dropped in. I had never been to this mine before and was surprised at the size of the operation. The main pit is huge and there must have been 30 people down in it, scratching at the sides and working the sifting screens. At the main office I asked if there were any big reds for sale. A very sweet lady told me that they had been so busy all summer that they hadn't had a chance to do much mining of their own, so there were a

only a few to pick from. I was shown a tray with about 50 large stones, of varying color and size. I picked out about 10 that had nice color and looked facetable. She weighed each and performed some calculations, deducting for waste, and applying some factor according to color.

The number she gave me made me jump, so I reduced it to 4 stones and tried again. She said 450, I offered 400 and we called it a deal. I think it worked out to about 3.00 a carat.

From the November 2007 Petrograph

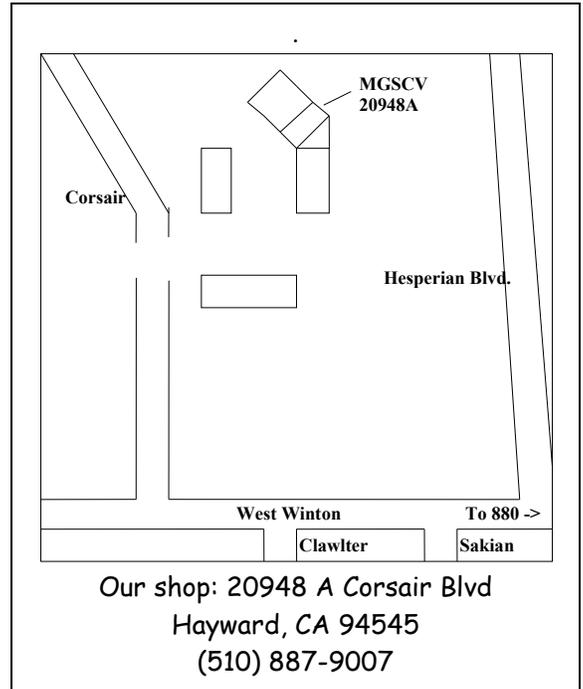
BENCH TIPS BY BRAD SMITH

None this month

Shop Notes
(All shop session's members only)

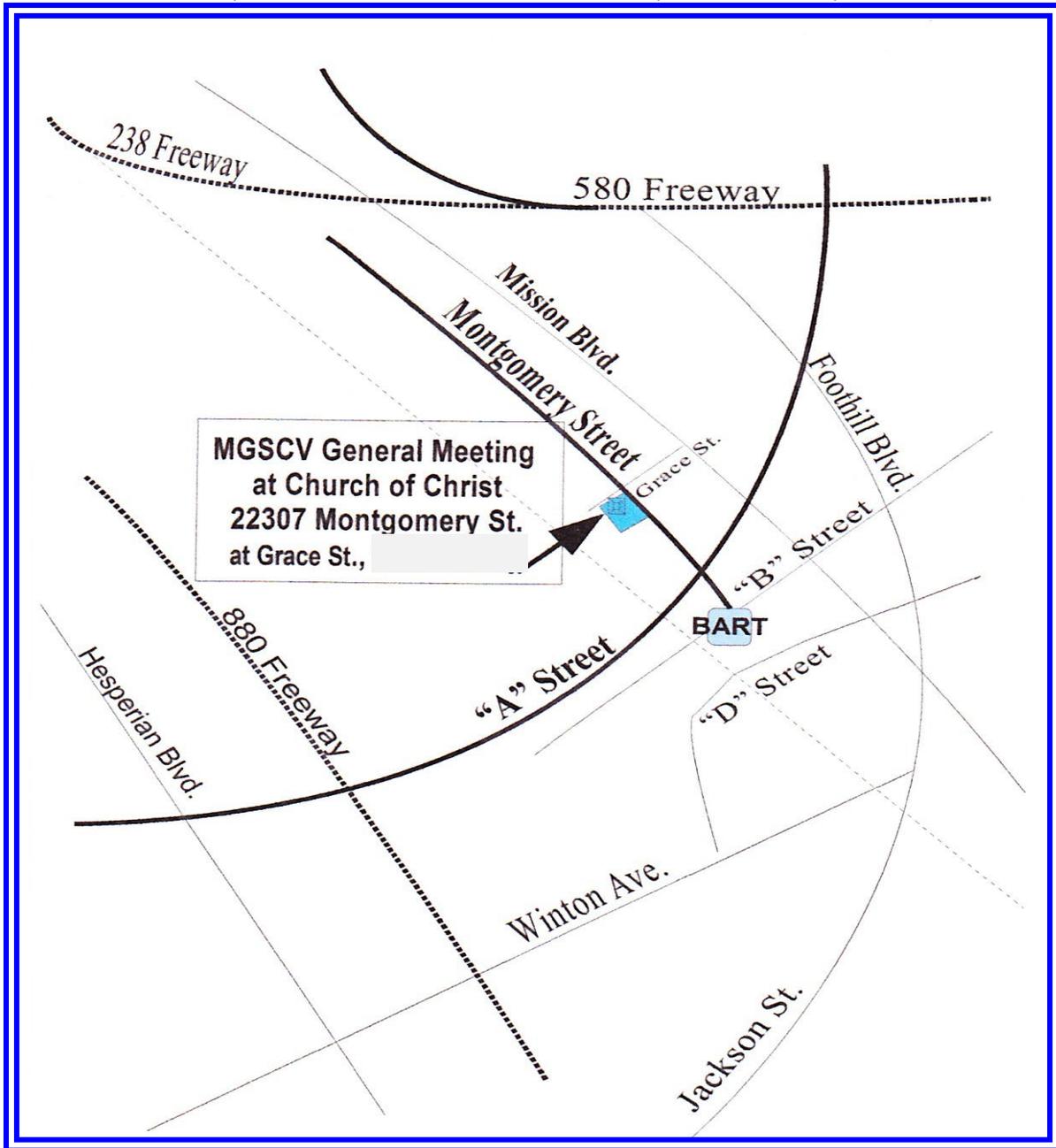
- Monday** closed, Lapidary
- Tuesday** closed, need daytime supervisor
closed, Lapidary,
- Wednesday** 11AM to 2:00PM, Lapidary
Library open 11AM to noon.
- Thursday** 10:00 AM to 1:00 PM, Lapidary
- Friday** closed
- Saturday** 9 AM to 12:00 PM, Faceting Class 9-12,
Juniors,
w/supervisor's approval, lapidary
Library open 10AM to noon.
- Sunday** 9:30AM to 12:30 PM, Lapidary

MAP TO THE SHOP



SHOP NOTICES:

Email us at info@mgscv.org



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.

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