



Club Notes



General Meeting: Feb. 18th 2013 7:30 PM at the Church of Christ. Members with the last name that begins with A-D please bring snacks for the general meeting.

New Members: Unless otherwise stated, General Meetings are on the third with Tuesday of the month at the church at 7:30 pm. You are invited and encouraged to attend! There is a silent auction and door prizes at every meeting.

Next Board Meeting: Monday Feb. 10th Board Meeting at the shop 7p.m.

Show Meeting: Thurs. Feb 13th 7 p.m. at the shop upstairs.



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MGSCV Petrograph - February 2014
Monthly Bulletin of the Mineral & Gem Society of Castro Valley, inc.

This publication is the bulletin of the Mineral and Gem Society of Castro Valley, Inc., a member of the California Federation of Mineralogical Societies, Inc., the American Federation of Mineralogical Societies and the North Bay Field Trip Association.

Bulletin Submission Policy

Submission deadline is the second Friday following the General Meeting (normally the second Wednesday of the month.) Anonymous contributions will not be considered for publication in the Petrograph; however, if requested at the time of submission, the contributor's name can be withheld. Members are encouraged to submit articles that may be of interest to the general membership. The bulletin editor reserves the right to edit any submitted articles or omit any submission from publication. Source must be cited for material quoted from other authors. Permission to reprint Petrograph articles is hereby granted provided properly cited.

2013 MGSCV Officers

Elected

President - Bonnie Andrade	President@mgscv.org	
Vice President - Mike Mc Bride	VP@mgscv.org	
Secretary - Sheryl Cooper	Secretary@mgscv.org	(510) 589-8858
Treasurer - Betty Milam	Treasurer@mgscv.org	
1 st Year Director - Michael Cox	Director1@mgscv.org	
2 nd Year Director - Jodi Minshall	Director2@mgscv.org	
3 rd Year Director - Norm Hodgson	Director3@mgscv.org	
Federation Director - Ron Hasemeyer	Federation@mgscv.org	
Shop Manager - Beth Farmer	ShopManager@mgscv.org	
2014 Show Chairman - Cathy Miller	ShowChair@mgscv.org">ShowChair@mgscv.org	
Membership - Tony Cooper	membership@mgscv.org	510-589-5292
Editor - Diana Cohoon	Editor@mgscv.org	
Past President - Ron Miller	pastpresident@mgscv.org	

Appointed

Scholarship Chair - Mary Howell	
Librarian - Mary Howell	
Historian - Jamie McDonald	
Purchasing Agent - Beth Farmer	
Education Coordinator - Shirley Buschke	
Field Trip Coordinator - Ron Hasemeyer	
Parliamentarian - Doc Buschke	
Reception/Hostess - Ann Vargas/Dan Gilson	
Sunshine Reporter - All members	
Door Prizes - Bonnie Andrade	
Web Master - Tony Cooper	webmaster@MGSCV.org

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Publication Staff



✧Contributors: Shirley Buschke, Jodi Minshall, Sheryl Cooper, Mike McBride

BOARD MEETING

Jan. 13th 2013

Submitted by **Sheryl Cooper**

The meeting was called to order at 7:10 pm.

In attendance were **Bonnie Andrade, Sheryl Cooper, Betty Milam, Diana Cohoon, Norm Hodgson, Jodi Minshall, Mike Cox and Tony Cooper.**

Treasurer: The December treasurer's report by **Betty Milam** was reviewed. Jodi Minshall moved to accept the reports as presented. **Mike Cox** seconded the motion and it was carried unanimously.

Minutes: Norm Hodgson moved to accept the December board minutes as printed in the Petrograph. Jodi Minshall seconded the motion and it was carried unanimously.

Editor: Email **Diana Cohoon** at editor@mgscv.org with your articles by the last week of the month. She will be submitting a Petrograph into the CFMS newsletter competition this year.

We discussed changing the by-laws to not include the printing of the budget in the Petrograph. It would be available at the shop and at the general meeting for review and voting. Members will look into the issue further and discuss it at the next meeting.

Membership: They are slowly coming in.

We have received 10 renewals so far this year. After the show the names of all members who have not paid their dues will be removed from the membership drawing held at the general meetings.

Show: **Jodi Minshall** brought in the steel donated by the Minshall estate for the geode cracker stand.

New Business: At the January general meeting we will hold the elections for the 2014 officers and vote on the 2014 budget.

Mary Howell is working on the scholarships and will let us know when CSEB gets back to her.

The next board meeting will be Feb. 10th.

The meeting adjourned at 8:10 pm.

GENEREAL MEETING

Submitted by **Sheryl Cooper**

January 21, 2014

Bonnie Andrade called the meeting to order at 7:45 pm. There were 29 members and 1 guest present.

Minutes: Shirley Buschke moved to accept the December minutes as printed in the Petrograph. **Mike Cox** seconded the motion and it carried unanimously.

Budget: Shirley Buschke moved to accept the 2014 budget as printed in the Petrograph. **Diana Cohoon** seconded the motion and it carried unanimously.

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Officers: Bonnie Andrade read the list of people running for the board for 2014. She asked if there were any nominations from the floor. No one volunteered and there was only one person per position. Mark Montgomery moved to accept the officers as presented. Jim Ewing seconded the motion and it carried with no objections before anyone could back out.

Your 2014 Officers are:

President - Bonnie Andrade

Vice President - (open)

Secretary - Sheryl Cooper

Treasurer - Betty Milam

1st Year Director - Norm Hodgson

2nd Year Director - Mike Cox

3rd Year Director - Jodi Minshall

Federation Director - Mike McBride

Shop Manager - Beth Farmer

2015 Show Chairman - Cathy Miller

Membership Chair - Anthony Cooper

Petrograph Editor - Diana Cohoon

Past President - Ron Miller

Appointed Positions:

Scholarship Chair - Mary Howell

Librarian - Mary Howell

Historian - Jamie McDonald

Purchasing Agent - Beth Farmer

Education Coordinator - Shirley Buschke

Field Trip Coordinator - Brain Gray

Parliamentarian - Howard "Doc" Buschke

Reception/Hostess - Jim Ewing

Sunshine Reporter - All Members

Door Prizes - Bonnie Andrade

Web Master - Anthony Cooper

Field Trips: Nothing new at this time.

Show: The show is just under 4 weeks away from set up starting on February 17th. We need help setting up during the week and tear down on Sunday. We start each day at 9:00 am for set up. The dealers and exhibitors start setting up at noon on Thursday. We will not be selling baked goods during the show, but we could use some during setup, the Thursday night dinner and tear down. There will be coffee, tea and water available in the kitchens for workers and dealers. The food trucks will be at the show all three days this year.

Doors open Friday at 8:00 am for dealers, 9:00 am for school tours and 10:00 am for the public. On Saturday and Sunday doors open at 9:00 am for dealers and 10:00 am for the public.

The next show will be on Jan. 30th at 7:00 pm at the shop. The sign up book and postcards were at the meeting. There is a page in the sign up book if you have anything for the Memorial case. Betty Milam modeled the opal pendant and Michelle Bennette had the raffle tickets for sale.

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Editor: Nothing new. Keep sending in your articles to Diana Cohoon at editor@mgscv.org before the last week of the month.

Librarian: Mark Montgomery is helping with the demo room and asks for members to bring any books they have for the sale table to the show. Please do not bring them to the shop, take them directly to the show. You can bring a book on any subject, but magazines need to be lapidary related.

Membership: We have 54 current members. 29 - lifetime members, 23 - renewal members and 2 - new members. Don't forget the membership drawing amount is going up \$5 each month until we have a winner. After the show Sheryl Cooper will remove all people who are not current members out of the bucket, so get you membership in.

Juniors: Mark Montgomery has a new junior that will be starting soon.

Scholarship: Mary Howell is waiting to hear from CSUEB.

Sunshine: Joe Hunt passed away of a heart attack at the age of 69. He was a long time member that enjoyed cutting and was the caster for also. He took over Johnson's Rock Shop with Norm Hogdson. He loved agates. His wife is moving back to Hong Kong and his son came down and picked up his collection.

It was a beautiful memorial for John Gullak at the church with a wonderful slide show.

Education: Lee Chavez had a wonderful silversmith class on Saturday with three students. The cost was \$55 and the students said it was worth the cost.

Contact Shirley Buschke if you want a lost wax class. Check out the class lists on the faceting room door at the shop.

New Business: Shirley Buschke visited Missions San Jose Elementary school and was surprised that the teachers hadn't heard of us or the show. Letters get sent out to all schools in the area, but the teachers are not getting them. Talk to your kids teachers and let them know about the show.

Drawings: The name for the \$100 member drawing was Terry Goesch; unfortunately he was not present to win. Next month the amount will be \$105.

Attending Member Tickets - Brian Gray, Jim Ewing, Cheryl Gullak, Richard Streeter, Maya Caudill-Merida, Sheryl Cooper, Sandy Bartlett, Diana Cohoon, Joe Herrera, Mike Cox, Stephen Caudill-Merida, Shirley Buschke, Cathy Miller, Michelle Bennette, Jodi Minshall, Lee Daguman, Betty Milam, Oscar Streeter, Mark Montgomery, Ana Aguiar, John Caudill, Doc Buschke and Maggie Naylor

The meeting adjourned at 8:45 pm and the silent auction was wrapped up.

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ROCK RUMBLES

By Shirley Buschke

If you are looking for lapidary equipment, check out the bulletin board in the main shop area. There are many things listed for sale. **Fern Brown** (former librarian) is moving in with her son and has equipment for sale as does **Mary Howell** (librarian). Soon there may be some of **John Gullak's**.

Just got word that **Jim Kennedy** has the approval or whatever you need, to practice law before the Supreme Court. Congratulations. And he is a pretty good jeweler, too. His older daughter is now six. She was just barely born when he joined us.

Horace Robertson has a rock tumbler for sale. He may bring it to the regular meeting for the silent auction.

Michelle Bennette has the tickets for the **Rigor** opal pendant that will be raffled off at the show on Sunday at 4 PM. We expect members to sell or buy at least one book worth of tickets. That's \$20.00

Norm Hodgson reported the death of one of our former members. **Joe Hunt** was very active with the club. He cut numerous stones on the saws and he was our caster. At one time he owned his own lapidary store in the local area.

Don't forget to bring books for sale to the show. Do not bring them to the club.

Note that our meeting in February is being changed to Tuesday Feb11. The board felt there would not be enough energy left after working on setting up the show to go to a meeting in the evening. The meeting will also include the last show meeting.

All sawing material must be picked up or it will be sold. You have had lots of warning.

We hear our shop foreman spent her vacation in one of the fifty states, Hawaii. Guess she is running out of new places to visit in the world.

Looking for gold. Better check out the leaves on your eucalyptus tree. A study in Australia found eucalyptus tree roots go deep for water. If there is gold in the vicinity, it makes its way to the leaves. Test the leaves and Voila!

Doc Buschke will be having surgery in about a week. Wish him well.

EDUCATION: We have a new co-chairman, **Shirley Dugaman**.

We hope to introduce some demonstrations on a Saturday or Sunday such as enameling, mold making, making waxes from molds. These will not be hands-on. If you are interested, we will try for classes.

Lee Chavez recently presented a class in soldering. We will repeat this on a Saturday from about 11-2 if there is interest. Cost depends on the price of

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silver, probably \$55-60. Lee will furnish silver. He will also furnish a stone if desired.

Remember our teachers are volunteers. You pay for supplies.

ANNOUNCEMENTS

John Gullak's family would like to thank the many club members and friends that attended his service January 11th for making it a good event.

The good wishes and memories shared were truly appreciated. The help with set-up and cleanup was also great, **John** would have been pleased.

His daughter **Cheryl**, is still deciding which rocks, tools and equipment etc. to keep or sell. The club will be notified when that is decided.

At this time John's Ultratec Faceting Machine which has had excellent training, is anxious to get back to work for a new master for the right price.

Contact Cheryl G. at 510-276-4496 for more information.

This year's show Flyers and Postcards are particularly eye-catching. The cabochon pictured on the front is a perfect circle of a multi-colored Rocky Butte Jasper from Oregon. This cabochon was made by our own Mark Montgomery - our Monday night Beginners Instructor. The cabochon is now owned by Sally Lacy, the member of our club who has designed and printed all the club's materials for the past several years. Pick up a handful of

these flyers at the shop and leave them where ever you feel others will also be attracted to these cards. The goal is to encourage attendance to our Annual Show at the Newark Pavilion on February 21, 22 & 23. Thank you.

SHOW SCHEDULES

San Gregorio Mineral & Gem Society Banning

Indio, Ca

Feb. 15th -24th 10-10 daily

Riverside county fair & Nat'l Date Festival
46350 Arabia St.

Bert Grisham 915-849-1674

Cell; 915-288-9025

[lacer](#) Cpoun

Mineral & Gem Society of Castro Valley

Newark, Ca.

Feb. 21st. - 23rd; Fri. & Sat. 10-6p.m., Sun
10-5 p.m.

Cathy Miller 510-305-4196

info@mgscv.org

www.mgscv.org

Monrovia Rock Hounds

Arcadia, Ca

March 1 & 2nd 9-4:30 daily

301 Baldwin ave.

JoAnn Ritchey 626-359-1624

joannritchie@gmail.com

www.moroks.com

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Salinas Valley Rock & Gem

Spreckels, Ca.

March 8-9 10-5p.m. daily

Spreckelsa Vetrans Hall

5th & Llano Sts.

Karin Saloman 831-375-5233

Klsalomon72@yahoo.com

www.salinasrock&gem.com

Mother Lode Mineral Society

Modesto, Ca.

March 8-9; 10-5p.m. daily

Stanislaus county fairgrounds

900 Braodway

Bud & Terry McMillin 209-524-3494

terry.cmillin@yahoo.com

www.turlockgemshow.com

Vallejo Gem and Mineral Society

Vallejo, Ca

March 15-16th; 10-5 daily

Salono County Fairgrounds

900 Fairgrounds Dr.

Dan Wolke 707-745-1816

dncwolke@sbcglobal.net

www.vjgems.org

Loomore Gem & Mineral

Leemore, Ca

March 15-16th; Sat. 10-6p.m., Sun.10-4p.m.

Trinity Hall

470 Champion St.

Chris Wartenberger 559-309-3433

grongersila@sbcglobal.net

Calaveras Gem & Mineral Society

Angels Camp, Ca

March 22nd- 23rd; Sat. 10-5 p.m. Sun. 10-4p.m.

Calaveras County Fairgrounds

101 Frogtown Rd.

Robin Williams 209-728-8277

Amy95247@yahoo.com

www.calaverasgem&minereal.org

Roseville Rock Rollers

Roseville, Ca. March 22nd-23rd; Sat 10-5p.m., Sun.10-4p.m.

Roseville (Placer county) fairgrounds

800 All American City blvd.

Gloria Marie 916-216-1114

gloriarosevillerockrollersw@gmail.com

www.rockrollers.com

South Bay Lapidary & Mineral Society of Torrence

Torrence, Ca.

March 29th & 30th; Sat. 10-5p.m., Sun. 10-4p.m.

Ken Miller Recreations center

3341 Torrence Blvd. (entrance on Madonna ave)

Craig Pollard & Chris Lemaster 310-333-4931

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craigpollard@yahoo.comRock
www.palosverdes.com/sblap

Jim Hutchings 530-367-5108 or cell: 916-995-7380

Jhutchings22@hotmail.com

Field Trips



Topaz Mt., North West of Delta Utah

Courtesy Roseville Rockrollers sponser club

Open to all affiliate clubs

May 2nd through May 4th

Collection materials: topaz crystals, Red Beryl, Pseudobrookite crystals, hematite crystals.

Jim Hutchings 530-367-5108, cell: 916-995-7380

Jhutchings22@hotmail.com



Virgin Valley, Nevada

Memorial day weekend May 23- Monday
May 26th

Roseville RockRollers are the sponsors

Materials are; opals, preserved petrified wood, selenite, and opalite. Apache Tears, Carnelian, and colorful Agates and Jaspers are found in the region nearby.



GEM OF THE MONTH

Submitted by Shirley Buschke

This month's gem was born in Colorado, went to school there, and graduated in mechanical engineering in Boulder, Colorado. A job opening developed in California so he moved to California and went to work for IBM in San Jose. He was in on the ground floor of the beginning of computers and he loved them. I think all engineers do so.

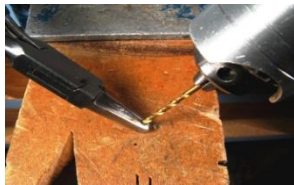
Our gem liked to collect rock just because he liked rocks but he did nothing but put them in piles in the yard. Then, about 3 years ago he became very curious and wondered what was inside. Now he can't seem to get enough time to cut them up to see what is inside, must be the engineer in him. He probably took clocks apart as a kid to see what was inside too. He loves especially the rocks that are green. He has no explanation as to why.

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Our gem found out about our club and made his cabochon, his only one, and decided to try faceting which he liked very much. His instructor was Bill West who is now in College in the Mid West. He just continues to cut rocks and he has a friend who polishes them for him, he no longer drives but he opens up the shop on Sundays. When I asked him how he got to the shop he said we have a wonderful service for seniors and he takes senior transit to and from the shop. He has three adult children but so far they are not interested in rocks. Who is our GEM?
Gerry Perko.

BRAD SMITH BENCH TIPS



MODIFYING PLIERS

Sometimes a few changes to your tools can significantly improve productivity and quality at the same time. Stock tools can be customized and improved using standard jewelry skills. Here's an example:

Making jump rings and weaving them into chainmaille designs involves a lot of opening and closing of the rings. I typically use two square jaw pliers to do this, one for each hand. But sometimes the rings would slip

out of the pliers, getting scratched, and requiring extra cleanup time.

I solved the problem by forming a groove at the end of the jaw that would grasp the ring gently without scratching it. Use a triangular file or cutoff disk to cut the grooves about 1.5 mm back from the tip. Then to make the grooves round so they grasp the wire without distorting it, close the jaws and run a drill through the opening formed by the two rough grooves. Start with a small drill and follow up with a drill just slightly smaller than the wire size you want to grip. In my case that was 14 gauge wire, so I chose a #53 drill.

Finally, polish the grooves with a rubberized disk.

More pictures and details, if needed, are available in the bench tips book.

MANAGING PRODUCTION

Many readers of these Bench Tips sell their jewelry at shows, in galleries or online. They are sole proprietors and constantly under pressure to design new pieces and make enough product to keep up with demand. So their options are few when a large order comes in. They can burn the midnight oil themselves, or they can be smart and get some temporary help. But you need good help, and you often need it fast.

Jewelry assemblers are skilled, trustworthy and reliable craftsmen who make it their business to help others handle overloads and meet deadlines. Flexible arrangements are possible,

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working by the job, by the hour or by the piece. Each has a different mix of skills, from fabrication to enameling, casting, stone setting, lapidary and others.

Assemblers are known to the trade, so you may have to ask around to find some references. But some assemblers advertise on the Net. For instance, a good friend of mine, Janice Metz <JenFT4@aol.com>, has been working with designers and fabricators in the West Los Angeles area since 1997. She specializes in silversmithing, wire-wrapping, beading and stringing. **More Bench Tips by Brad Smith are at [facebook.com/BenchTips/](https://www.facebook.com/BenchTips/) or see the book "Bench Tips for Jewelry Making" on Amazon**

KIDS KORNER

By Elizabeth Bennette 15 yrs. Old

Over my winter break, I had the pleasure of visiting my grandparents in Texas. Every time my family and I visit, my grandparents try their best to keep us entertained. During our most recent trip, we visited the Johnson's Space and Science center, in Houston. Everyone really enjoyed themselves, especially my younger sister, who had fun playing space simulator games and running around a replica of a space shuttle, feeling as if she "was just like an astronaut." One of my favorite exhibits in the center was the moon rocks display, a room with glass encased samples of lunar material from all over the moon. Under each display, descriptions indicate where on the moon the specimen was taken from,

the properties of that piece, and the name of the rock. In addition to the descriptions of the moon rock samples, they also provided explanations of the rock gathering process and the upkeep of the rocks once they are obtained by the scientists.

Moon rock samples are collected by astronauts who spend over two days on the moon, either gathering loose stones by hand, or drilling core tubes into the surface of the moon to get samples up to 10 feet long. (There are over 2,415 different moon rock samples that have been returned to Earth!) Once the pieces are returned to Earth, they are preserved in an enclosed room, which is entirely filled with nitrogen, to replicate the moon's environment. Since the rocks have not made any contact with Earthly elements, like oxygen and or water, keeping the stones in a controlled atmosphere is essential. When scientists need to collect smaller samples of the moon rocks, they chip away at larger stones, placing the original stone into a bowl, and using a chisel and hammer to break it apart. After separation, the pieces are numbered, weighted, and documented. The samples are then taken to other laboratories for analysis or educational purposes. Other larger pieces, such as the core tubes, are analyzed and photographed millimeter by millimeter, a process that can take almost 6 months. From the photographs and data collected, scientists determine the composition of the moon's surface. About 14% of lunar soil, smaller bits of moon rock

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that resemble that of sand, is composed of ilmenite, an igneous rock that can react with hydrogen to form water. Also, scientists have found that lunar soil is 42% oxygen, which scientists are working to extract. Because lunar soil is so full of oxygen, it is theorized that with the right amount added nutrients will allow plants to grow in the soil. This proposition, along with countless others, are being made as we learn more and more about the moon, it's history, and possibilities. With this newfound knowledge of moon rocks, one seems to wonder what purpose they can serve. Are they edible? Could they be a new energy source? How can they make our lives better? Lately, scientists, inventors, and engineers are working to incorporate moon rocks into 3D printers, machines that use computer technology to print any physical object, like a pipe or wrench. The printer is able to accomplish this by layering melted material into the shape of a computer-given model. With assistance from NASA, the printer engineers are aiming to be able to print any object from space, using the most abundant resource readily available in that environment: lunar soil. Because of limited supply of moon rocks, NASA has provided these 3D printer developers with synthetic lunar soil that have almost identical properties to that of genuine moon rocks. The successes of the 3D printers are leading scientists and astronomers to consider the possibilities of this new invention. The precision of the printer would allow for the creation of large scale telescopes,

satellites, and even spacecrafts, which could reduce the time and cost invested in the construction of them.

Even though moon rocks aren't what members of Mineral and Gem Society are accustomed to working with in the shop, they are still just as fascinating and inspiring as the rocks we work with every week. Moon rocks show millions of years of planetary development, just as some of our favorites stones do, and they insight about our once inexplicable moon. The idea of using moon rocks as a resource is incredibly new, but it promises a progressive future.

CARVING

Because man needs food, shelter and defense, survival forced the development of tools. Possibly the first ones were simply rocks or wood. Gradually the artist in people came out and tools were used for adornment or other reasons, beauty, religion or toys. Early tools probably included arrow heads of obsidian. Eventually these became knives. The New Zealanders developed sophisticated tools of jade. Most of our tools today are steel.

If you want to be a gem carver, you have lots of choices today. You may already have many of the tools. If you decide to work on a soft stone such as slate, ordinary household files will do the job. They also work on soap stone and if you are patient and the files are fine enough, you can work on opal. Don't forget to use sand paper.

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The invention of the wheel certainly sped up abrasive action but if you were one of the ancient Chinese,, even with foot power, the wheel and abrasives were slow. Today with motors and pulleys variable speeds can be developed.

Saws still help to develop the initial shape and save lot of time. The grinders can also be used to shape. Soon you will find a need for carving points. There are stationery machines where the stone is brought to the machine or a flexible kind may be chosen. Here the motor is stationery but the hand piece is brought to the stone. Dremel and Foredom are the best known of this type. There are also battery operated ones. Try them out before buying.

The burrs you purchase can become costly. They come in many sizes and shapes. Silicon carbide has been used in dental practices for years. Points are mounted on mandrels and the whole thing is discarded when worn out. Silicon works best on all but very hard or very soft stones. Use steel for soft stones. You can zip through malachite. Careful of the dust you generate. Wear a mask. Water drips will keep tools from clogging and cool the work surface. There are also various shields that keep water from splashing. (See the set up at our shop). Diamond points offer greater speed. Hesitate to use them on soft stones because they cut fast, debris builds up and clogs the surface. Speed of carving depends on the hardness of the stone. Both silicon carbide and diamond burrs are the same size and shape.

There are two kinds of diamond types, plated and sintered. In the plated the diamond is applied to the surface and then plating takes place to make it stick. Sintered tools are manufactured using a mixture of diamond powder and finely powdered metal poured into a metal die and subjected to high pressure. Then heat is applied to fuse the metal and grains. The result is an expensive tool but one that lasts long time.



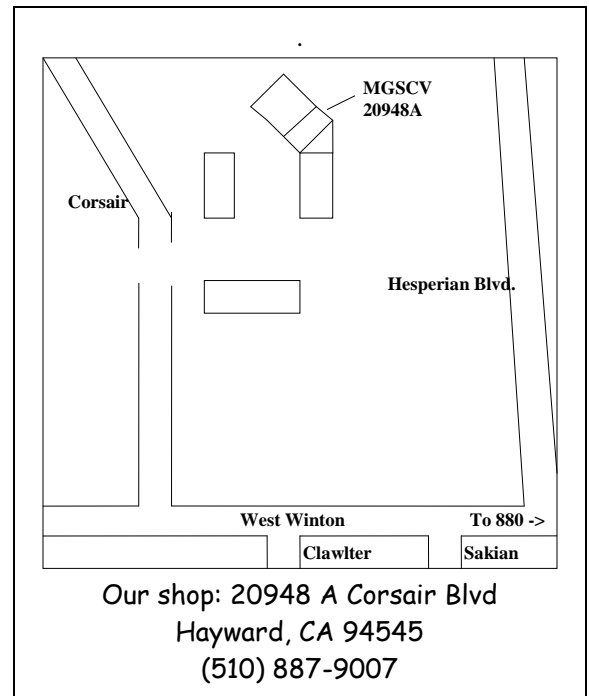
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Shop Schedule

(All shop session's members only)

MAP

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

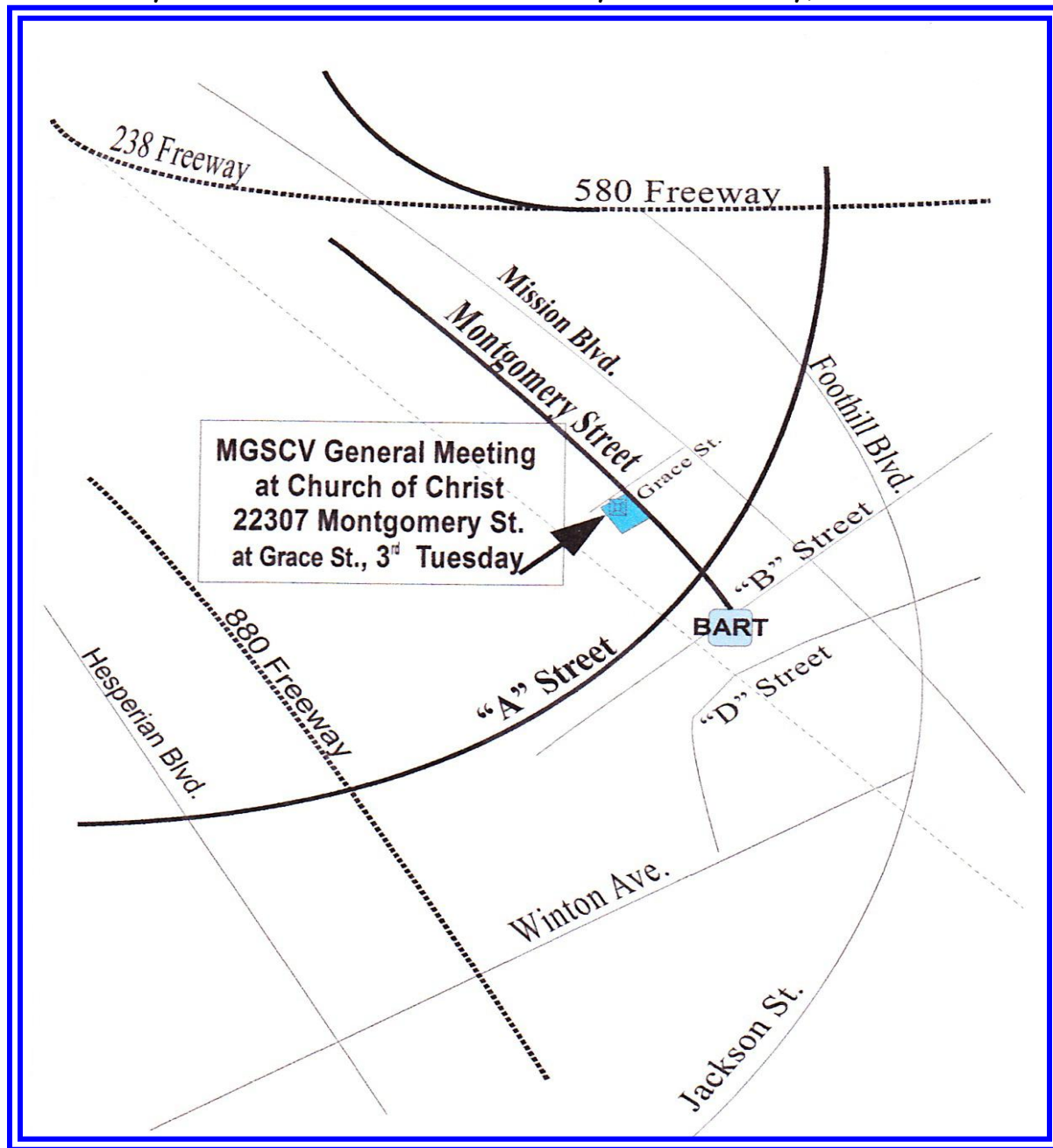


SHOP NOTICES:

Email us at info@mgs

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From I 580: Take the A Street exit and go west, turn right on Montgomery Street and go to 22307 Montgomery Street.

From I 880: Take the A Street exit and go East. Turn left on Montgomery Street and go to 22307 Montgomery.

From Jackson Street: Go north on Mission Boulevard, turn left onto A Street, then right on Montgomery Street and go to 22307 Montgomery Street.

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Monthly Bulletin of the Mineral & Gem Society of Castro Valley, inc. Mineral & Gem Society of Castro Valley (MGSCV) Membership Application and Information



Membership is good for one calendar year from January 1st through December 31st. Please fill out and sign the application. Mail the completed form, a check for the dues **payable to MGSCV**, and a self-addressed, stamped envelope to - **MGSCV, Attn: Membership Chair, P.O. Box 2145, Castro Valley, CA 94546.**

Your membership is active upon receipt of your check and application. It will be processed and membership cards will be mailed to you within 4 weeks. Your email will be added to the list for the Petrograph, our newsletter. Your name will be added to the roster in the lobby at the workshop and in the drawing at the general meetings for cash prizes, if present.

We are a non-profit club whose sole purpose is the education of lapidary arts and geological sciences for all who are interested. **No products produced in the shop can be sold for profit.** All members should have or be familiar with the MGSCV Handbook. A copy is available for review in the club's lobby or one can be emailed to you by sending a request to info@mgscv.org.

Before any member may operate any equipment or take any class they must have completed an orientation and their first cabochon. **To schedule an orientation send an email to WorkShopManager@mgscv.org with your name, phone number, and a good time to call you.** During the orientation you will learn about the club and get a tour of the workshop. Monday evenings are reserved for beginners only.

Membership dues cover less than 10% of our annual operating costs. It is our annual show that funds the club, workshop and all activities. **A requirement of membership is that every member must work at the show for a minimum of 4 hours.** The show is always held the first full weekend of March, so mark your calendars. The show is fun to work and is the reason we have the best workshop/club in Northern California. Shop services such as rock sawing, casting, special classes (faceting, wire wrap, metal work, etc...) will not be available to members who do not work at the show.

Membership Chairperson

Type of Membership(s): (check all that apply) new membership renewal membership
 Single - \$35 Couple - \$60 Junior (11-17 with adult) - \$1 Junior (11-17 without adult) - \$5
 Associate - \$17.50 (former member living more than 100 miles away) Lifetime (voted in by the board)

After July 1st all new membership dues are half (½)

Name(s) (Please print all the names.)

Adults: _____

Juniors: _____

Address: _____

City: _____ State: _____ Zip: _____ Phone Number: _____

E-mail Address: _____

(Our monthly newsletter, the Petrograph, will be emailed to this address.)

Occupational Skills: _____

(Sometimes we are in need of advice and/or help in regards to electrical, plumbing, mechanical, clerical or other skills.)

Confidentiality: (check all that apply)

I do not want my address printed in the roster at the shop.

I do not want my phone number printed in the roster at the shop.

I do not want my email address printed in the roster at the shop. I agree with the By-laws and rules of the Mineral & Gem Society of Castro Valley (MGSCV).

Members Signatures: _____