



Club Notes



General Meeting: Feb. 19th 7:30 PM

If your last name is Q-T please bring snacks.

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

Next Board Meeting: Monday, Feb. 11th, 7:00 p.m. at the shop is the next Board Meeting.

Next Show Meeting: Feb. 7th & 21st @ 7:00 p.m. at the shop.



In This Issue:

- ❖ Club Notes
- ❖ General Information
- ❖ Meeting Minutes
 - Board Meeting
December 10th 2012
January. 7th 2013
 - General Meeting
January 15th 2013
- ❖ Rock Rumbles
- ❖ Announcements
- ❖ Show Schedules
- ❖ Field Trips
- ❖ Gem of the month
- ❖ Bench Tips by Brad Smith
- ❖ Kids Korner
- ❖ Show Case Application
- ❖ Shop Schedule
- ❖ Map To new General meeting place

MGSCV Petrograph - February 2013
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	
2012 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



Publication Staff



◇Contributors: Shirley Buschke, Jodi Minshall, Betty Milam, Sheryl Cooper, Mary Howell, Mike McBride

MGSCV Petrograph - February 2013
Monthly Bulletin of the Mineral & Gem Society of Castro Valley, inc.
Meeting Minutes

BOARD MEETING -Dec.10th, 2012
Submitted by Betty Milam

There was no quorum Monday, December 10, 2012, at the shop, at 7:10 p.m. Committee reports were discussed by those present:

Mike McBride, Bonnie Andrade, Beth Farmer, Cathy Miller, Diana Cohoon, Betty Milam

Shop Manager: **Beth Farmer**

Supplies have been purchased for the Christmas dinner. Cathy has place mats and will set up the meeting hall. Cathy and Betty will bring Turkey. Beth will bring a ham.

The toilet in the Ladies Room was repaired.

Bring in paper bags for a project.

Need small jars with brush, such as empty, cleaned fingernail polish jar to hold flux.

Editor: **Diana Cohoon** There are plenty of articles for upcoming issues. Editor will insert the show case plans in the January Petrograph.

Nominating Committee:

New members are encouraged to become involved.

President: **Ron Miller** would like to step down if a replacement can be found.

Vice President: **Mike McBride** has volunteered. Ideas were presented to be used as General meeting programs during 2013.

1st year director: **Norm Hodgson**

2nd and 3rd year Director positions are open.

Secretary: **Sheryl Cooper**

Treasurer: **Betty Milam**

Past President: Bonnie Andrade

Show Committee: **Cathy Miller**

The Newark Pavilion has not yet started the electrical upgrade project.

A geode dealer needs to be found soon to supply the show with hollow geodes for the new geode cutter station.

The auction items will be moved to 2 cases in the exhibit hall (the bar) for display during the show. A silent auction is being considered as well as the Sunday afternoon live auction.

Some demonstrators will be placed in Hall 4 all day Sunday to allow for the live auction in the Demo Room.

The volunteer sign-up sheets will be available at the Christmas Pot Luck.

Educational: **Judith Hitching**

There is now a volunteer ready to respond to requests from local schools to visit classrooms and demonstrate rocks, minerals, etc.

The meeting adjourned at 8:10 pm

Next Board meeting: January 7, 2013 at 7p.m. at the shop.

BOARD MEETING JAN. 7th, 2013

Submitted by Sheryl Cooper

MGSCV Petrograph - February 2013

Monthly Bulletin of the Mineral & Gem Society of Castro Valley, inc.

The meeting was called to order at 7:10 pm. In attendance were **Betty Milam, Bonnie Andrade, Cathy Miller, Diana Cohoon, Mike McBride, Sheryl Cooper, and Tony Cooper**

Show: Since we are not having a big kitchen this year **Beth Farmer** has agreed to run the snack bar when the food trucks are not there. The will consist of 3 -4 savory trucks and 1 dessert truck. We do not need to get city permits for them. They handle all the permits themselves. We need to advertise that they will be at the show.

Security will be set up in the big kitchen to sign in and get your jacket and radio.

Some dealers haven't received their contracts. We have received money from 19 dealers.

Dr. Blueford with the Math/Science Nucleus of Newark has agreed to fill our large cases on the stage again this year.

Bonnie Andrade would like us to have an "In memory of . . ." case this year and has agreed to be in charge of it.

Treasurer: We reviewed the November and December treasurer's reports from **Betty Milam**. **Sheryl Cooper** moved to accept the reports as presented. **Diana Cohoon** seconded the motion and it was carried unanimously.

Minutes: **Cathy Miller** moved to accept the November board minutes as printed in the Petrograph. **Diana Cohoon** seconded the motion and it was carried unanimously.

Shop: **Beth Farmer** has asked everyone to save paper grocery bags and empty nail polish bottles for use in the shop.

Education: **Judith Hitchings** has agreed to do classroom visits for us.

New Business: We talked about the Thursday night dinner and discussed other suggestions for the meal.

The webmaster is working on a PayPal account and attaching it to our club website later this year.

The meeting adjourned at 8:30 pm.

GENERAL MEETING Jan. 15th, 2013

Submitted by Sheryl Cooper

Jim Ewing called the meeting to order at 7:35 pm.

Chris Philson joined the meeting tonight as a guest. He lives in Hayward and heard about us. He wanted to see what we are about and was invited to visit the shop to see all the fun first hand.

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

Shop: **Beth Farmer** is trying to figure out where to order more oil from.

Show: **Cathy Miller** informed us of the progress and changes to the show this year. Instead of a live auction there will be a raffle area set up in Hall 4. There will be a case with items to be raffled that day at 3:00 pm and a case with items displayed all weekend to be raffled on Sunday at 3:00

MGSCV Petrograph - February 2013

Monthly Bulletin of the Mineral & Gem Society of Castro Valley, inc.

pm. Math/Science Nucleus has agreed to fill the exhibit cases on the stage. **Food Truck Mafia** will be serving Sat. and Sun. from 12:00 to 4:00. They will arrive between 11:00 and 11:30 to setup. The snack bar will be open Friday and before and after the trucks on Sat. and Sun.

Coffee and water will be available for dealers and workers throughout the show.

Security check in will be in the big kitchen.

Bonnie Andrade is organizing an "In memory of . . ." exhibit case.

Along with the spinning wheel there will also be a geode splitter. We are borrowing a splitter and purchasing geodes that are 3" or larger.

The dealer dinner will be a taco bar set up in the snack bar and seating setup in the demo room Thursday night. We will need desserts donated on Thursday night.

Mary Howell is getting the volunteers for the demo room and **Cheryl Gullak** will keep it running smoothly during the show and keeping an eye on the book sale. We will need help cleaning up the room at the end of the show and getting the machinery back to the shop.

We still need lots of help for the show. Remember to sign up on the sheets at the shop or contact **Mike McBride** the volunteer coordinator.

Diana Cohoon is selling the raffle tickets for the opal necklace. It is valued at \$2200.00, she was wearing the necklace for all to see and admire. The tickets are \$1 each in packets of 20.

Shirley and **Doc** are handling the annual display at the Fremont Library. **Ron Miller** is handling the missing dealer contracts.

Editor: **Diana Cohoon** says your articles are due by the last week of the month to editor@mgscv.org If you are not getting the Petrograph please let us know.

Membership: We ended the year with 171 members. **It is time to pay your 2013 membership dues and locker fees of \$5 per locker.**

Juniors: **Mark Montgomery** says he has one junior coming in on Saturdays. **Josh Dickey** mailed a letter thanking the club for everything.

Field Trips: **Cathy Paonessa** has moved but found the Eldorado Club and joined them. She invites us to check out the club field trips. **Rockhound Field Trip Fanatics** <http://rockhound-field-trips.ning.com/> was recommended to find numerous field trip information of all kinds of material and areas. **Maggie Naylor** went to the Big Pile Trip in Panoche Hills, Fresno County, CA and had a great time. She is looking forward to the next trip.

Scholarship: Our contact at CSUEB, Jeff is on sabbatical and had given us another contact for our scholarships this year. We are waiting to hear from her.

Education: The polymer clay class had only three people but they had a great time and a lot of individual attention. There will be more class signup sheets posted for lost wax, opals, and more.

MGSCV Petrograph - February 2013

Monthly Bulletin of the Mineral & Gem Society of Castro Valley, inc.

Announcements: **Dave Howell** has been in the hospital and not doing well. Keep David and Mary in your thoughts.

Officers for 2013:

We asked if there were any nominations from the floor. The list of board positions and people were read off. **Diana Cohoon** moved to accept the officers as read out loud. **Maggie Naylor** seconded the motion before anyone could object and it was approved unanimously.

Your 2013 Officers -

President	Bonnie Andrade
Vice President	Mike McBride
Treasurer	Betty Milam
Secretary	Sheryl Cooper
Director 1st yr.	Michael Cox
Director 2nd yr.	Jodi Minshall
Director 3rd yr.	Norm Hodgson
Federation Director	Ron Hasemeyer
Editor	Diana Cohoon
Membership	Anthony Cooper
Shop Manager	Beth Farmer
Show Chair	Cathy Miller
Past President	Ron Miller

Budget:

Everyone was asked if they had any questions regarding the budget that was printed in the Petrograph and available at the meeting. **Diana Cohoon** moved to accept the budget as presented. **Bonnie Andrade**

seconded the motion and it was carried unanimously.

Drawings: The name pulled for the \$100 member drawing was **David Howell** this month.

Guest Tickets - **Chris Philson** selected a rock.

Attending Member Tickets - **Maggie Naylor, Mike Cox, Mike McBride, Stephen Caudill-Merida, Jim Ewing, Sheryl Cooper, Shirley Buschke, Bev Ewing, John Caudill, Mark Montgomery, Darlene Pasquini, Zaina Shea, Cheryl Gullak, Doc Buschke, Diana Cohoon, Lee Daguman and Vic Pasquini**

The meeting adjourned at 8:35 pm and the silent auction was closed at 8:50 pm.



ROCK RUMBLES Jan. 2013 By Shirley Buschke

Many years ago my husband gave me a column to read in his dental journal. The gist was -- a compliment a day will make you feel better and please the recipient. And this is so true. Try it. We received a lovely compliment from the mother of Joshua Dickey, one of our juniors, thanking the club for the pleasure she and her son had received from the MGSCV. Made us all feel good. Joshua is off to college in the fall.

MGSCV Petrograph - February 2013

Monthly Bulletin of the Mineral & Gem Society of Castro Valley, inc.

We remember him when he was, oh, you know the rest.

Recently **Mike Cox** brought in some delicious cookies he called the Monster cookies. Seems someone gave his mother the recipe, 16 cups of flour, etc. She had to cut the recipe down to fit in a household bowl. Sure glad she did.

By now you should have signed up for your shift or shifts at the show. Dues and fees do not pay for the shop. We need the show. And dues and locker fees are now due also.

David Howell, our librarian Mary's husband, recently suffered stroke. He has been quite ill and as this is written in late January he is about to move into a long term care facility.

Doc and I presented a talk on our show and club to the Newark rotary Club. The response was very positive. Hope to see many at the show.

Whenever possible **Roger Thornton** visits our shop when he comes north to visit his family (no shop where he lives and works). This time he left behind two gorgeous knives with jade blades. **Beth Farmer** put them together because Roger had to return home before finishing the assembly.

You should see some of the buys **Sub Nishimoto** makes at flea markets and garage sales. He sure know how to pick the good stuff. He had some nice jade, a necklace of fetishes, and some unknowns recently.

The Ed and Pat Rigor family continues to help and support our club. Daughter Kathy Rooney and granddaughter Sally Lacey designed and created the paper work for our show. They donated their design services and turned out beautiful products of program, post card, tickets, Pat and Ed continue to teach and Sally has helped several members with soldering problems. Pat and Ed, you raised two gems.

Don't miss an opportunity to bid on the raffle items. The procedure is a little different this year. In bldg. 4 we will have items on display in front of the old kitchen area, with numbers and corresponding bags on the table with numbers, you will purchase tickets for which ever item you are bidding on, and at 3pm daily they will announce the winners for each item. There will also be a case with items for all 3 days to be raffled on Sunday at 3pm.

ANNOUNCEMENTS

"Club Members" Do you remember filling out your membership application? Remember those words about 4 hours minimum obligation to volunteer time for our show? We need everyone to sign-up by Feb 15. Its show time folks, we start setting-up Feb 25th and work each day through the end of the show, March 3. That's a great deal of work. This is the time our club comes together and we shine the most. Thanks in advance for your time.

Check out the display about our show at the Fremont Main Library. There are examples of work we do at the shop and an announcement of our show.

MGSCV Petrograph - February 2013

Monthly Bulletin of the Mineral & Gem Society of Castro Valley, inc.

A message from **Cathy Miller**, Show Chair

It's almost here! In just 5 weeks we will be 'moving into' the Newark Pavilion and setting up for our annual Jewelry, Gem & Mineral Show and Sale 2013. Our committees are hard at work, and everything will be ready to open 10am, Friday, March 1 {9am for school children coming in for tours}.

Advertise. Share. Invite, the more guests who attend our show, keep our dealers happy, and more guests become members.

Postcards are available at the shop, and one was also scanned for our website's main page <http://mgscv.org/>. Take these postcards with you everywhere.

Coffee shops, Delis, and many other restaurants, and stores have bulletin boards to post cards. Leave one with your bill when you pay. Post an event on your FaceBook page, and invite everyone. Twitter. A few magnetic signs are available for car door/tailgates.

This show is what keeps our club running by funding the club, workshop and all activities the rest of the year. Each member is to volunteer 4 hours minimum during the show. Come down whenever you can, volunteer, have some fun with us as set-up begins Monday morning, Feb.25, and every day till we open the doors 9am Friday, March 1. Many of us are there all week, Monday morning till Sunday night.

Sunday tear-down and pack-up begins 5pm, till everything is packed away into the container. What takes us a 4+ full days to

put together, we have to take out and put away in one evening! Last year we shut the doors at 9pm! But, everyone's help is needed and appreciated {all week/weekend}.

Mike McBride is coordinating our volunteers, and will be contacting you.

We are trying a few new things this year.

The main kitchen will not be used, allowing those members to be available for other work. We will have the Food Truck Mafia serving food from 12-4 pm, Saturday and Sunday. They will be bringing 4-5 trucks: variety of foods, & dessert.

The Snack Bar, Hall 1, will be open only when the trucks are not serving: all day Friday, 9am-6pm ~ Saturday 10-12am & 4-6pm ~ Sunday 10-12am & 4-5pm. We will have a Geode Splitter, near the Spinning Wheel, to sell and open Geodes. This has been a huge draw for other clubs, and if it goes over well enough we will continue.

Our next Show Planning Meeting is this Thursday, Jan. 24, 7pm at the shop. The following meetings will be Feb. 7 & 21, 7pm at the shop. Join us to hear all the plans and figure out when and how you can help our club put on a fantastic show.

Thank you,

Cathy Miller & Sheryl Cooper and the rest of the **show committee**

From **Bonnie Andrade**, President

HELP WANTED

At this year's show we would like to include a Memorial Exhibit Case in our exhibit hall. We've lost several of our

MGSCV Petrograph - February 2013

Monthly Bulletin of the Mineral & Gem Society of Castro Valley, inc.

valued members these past years. Any family member who would like to have exhibited special items created by these past members are being encouraged to choose not more than 2 pieces per (memory) person. A family member is to label the piece including the person's name. This can be typed or printed neatly so the public can read it. Be sure to bring holders that will hold the piece, i.e. stands that hold cabs, slabs, pendants, etc. Risers and liners for the case will be supplied.

Family members could bring the items to the February General Meeting, (Feb 19th), or to the Newark Pavilion the Thursday before our show (Feb 28th). Please plan to return to the Newark Pavilion on Sunday evening, at the end of our show (Mar 3rd) to pick up the items. The items remaining will be held until the next General Meeting night **Bonnie Andrade** would appreciate an assistant to help her set up this Memorial Exhibit case on Thursday and to help to take down Sunday evening.

SHOW SCHEDULES

San Geronio Mineral & Gem Society

Indio, Feb. 15th -24th

Riverside Co. fair & National Date festival
46-530 Arabia St.

Bert Grisham 951-849-1674

Bert67@verizon.net

Antioch Lapidary Club

Antioch, Ca

February 16th & 17th, Sat. & Sun. 10-5PM

Contra Costa County fairgrounds

1201 So. 10th st,

Brenda Miguel 925-301-6957

Brenda.miguel@yahoo.com

Mineral & Gem society of Castro Valley

Newark, Ca

March 1st -3rd, Fri. & Sat. 10-6pm, Sun. 10-5

Newark Pavillion

6430 Thornton Ave

Cathy Miller cdmiller59@gmail.com

www.mgscv.org

Monrovia Rockhounds

Arcadia Ca.

March 3rd & 4th 9-4:30 daily

The Arboretum & Botanic Gardens

301 So. Baldwin ave.

Jo Anna Ritchey 626- 359-1624

[joannaPacificCrystal](http://joannaPacificCrystal.com)

Guildritchey@gmail.com

www.moroks.com

Ventura Gem & Mineral Society

Ventura, Ca

March 2nd & 3rd Sat. 10-5 Sun. 10-4pm

Ventura county fairgrounds

10 W. Harbor Blvd.

Krishna Juarez 805-320-1094

Abaris2007@gmail.com

www.vgms.org

Victor Valley Gem & Mineral Club

Victorville, Ca

MGSCV Petrograph - February 2013

Monthly Bulletin of the Mineral & Gem Society of Castro Valley, inc.

March 8th-10th, 9-5 PM

Stoddard Wells Rd. (12 Mi. East of I-15)

36th Annual Outdoor Tailgate

760-243-2330, info. Map on website

www.vvgmc.org

Salinas Valley Rock & Gem

Spreckels, Ca.

March 9th & 10th 10-5pm daily

Spreckle's Vets Hall

5th & Llano sts.

Karen Saloman 831-375-5233

Kcbakes27@yahoo.com

Mother Lode Mineral Society

Turlock, Ca

March 9th & 10th 10-5PM daily

Stanislaus County Fairgrounds

900 N. Broadway

Bud & Terry Mc Millin 209-524-3494

Budmcmillin.b7y@statefarm.com

Lemoore gem & Mineral Club

Leemore, Ca

March 16th & 17th Sat. 10-6pm, Sun. 10-4pm

Trinity Hall

470 Chapman St.

Chris Wartenberger 559-309-3433

leemoregemandmineral@gmail.com

Vallejo Gem & Mineral Society

Vallejo, Ca

March 16th & 17th 10-5pm daily

Solano county fairgrounds

900 Fairgrounds Dr.

Dan Wolke 707-745-1816

South Bay Lapidary & Mineral Society

Torrance, Ca

March 23rd & 24th Sat. 10-5 & Sun.10-4pm

Ken Miller Recreation center

3341 Torrance Blvd.

Bill Sudduth 310-787-7851

Sudduth3@msn.com

Roseville Rock Rollers

Roseville, ca

March 23rd & 24th, Sat. 10-5PM, Sun.

Placer County fairgrounds

800 All American City Blvd.

Gloria Marie 530-367-2262

gloriarosevillerockrollers@gmail.com

Calaveras Gem & Mineral Society

Angels Camp, Ca

March 23rd & 24th

Sat. 10-5 & Sun. 10-4 PM

Calaveras County fairgrounds

101 Frogtown Rd.

Robin Williams 209-728-8277

Amy95247@yahoo.com

Santa Clara Valley Mineral & Gem Society

San Jose, Ca

April 20 & 21st, Sat, 10-6PM, Sun.10-5PM

Santa Clara County Fairgrounds

MGSCV Petrograph - February 2013

Monthly Bulletin of the Mineral & Gem Society of Castro Valley, inc.

334 Tully Rd.

Frank Mullany 408-265-1422

info@scvgms.org

Field Trips

Rock Hound Field Trip Fanatics

Feb. 2nd, 2013 Area 54, Panoche Hills, Nees ave & I-5, city of Firebaugh, Western Fresno county,, Ca Meet @the Chevron Travel Plaza@ 9am Sat. more info @ <http://rockhound-field-trips.com/events>



GEM OF THE MONTH

Submitted by Shirley Buschke

Our gem this month is a die-hard 49er fan. By the time you read this you will know whether our gem is ecstatic or sad

Our gem was born in Alameda, graduated from UC Santa Barbara majoring in PE and Music. Our gem's first job was in the Los Altos area as a PE teacher. The school boasted outstanding facilities, swimming pool, numerous tennis courts, great field. And then a job locally and reality set in. Most schools in her early job days lacked all these lovely facilities. She taught 34 years, 31 one in Pleasanton before retiring. She has two sisters and a brother and she has lots of hobbies. She golfs, quilts, runs marathons and sings in her church choir.

She was married on a golf course in Sedona, Arizona. Her husband makes furniture, and so did her father, more about that later.

Her father made jewelry here at the shop for his wife and girls. He was a retired school administrator. After his death our gem decided someone should use his equipment and supplies so she got busy at our shop. You will find her in the faceting room or at the spinning wheel at our show. Her favorite stone is an emerald cut. And faceting is her favorite so far. She has lots of her father's rocks to work with.

Back to the furniture maker father, if you have been storing your coffee cups at the shop you have been using the east wing and the west wing which were made by her dad, **Walt Klas**. Interesting that our gem, **Susan**, did not know her father had built the cabinet for us.

BRAD SMITH BENCH TIPS

BENCH SHEARS



When cutting sheet metal, it's quicker and easier to use a set of shop shears as compared with using a hand saw. The cut is not as precise, but many times you don't need that. Shears will easily cut up to 24 gauge sheet, and some will cut 22 or even 20 gauge.

Current prices for shears run from \$13 - \$22 in jewelry catalogs, and the **Joyce**

MGSCV Petrograph - February 2013

Monthly Bulletin of the Mineral & Gem Society of Castro Valley, inc.

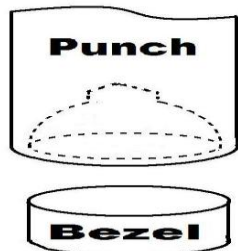
Chen scissors recommended on some jewelry blogs run more than \$20, but we found a cheaper alternative at the 99 Cent Store - some gardening utility scissors that were only \$1.07

I buy a half dozen of them at a time for use in my jewelry classes. They're great for cutting bezels, trimming around a bezel cup, and cutting a piece off a larger sheet.

BEZEL CLOSER



A bezel closer is a steel punch that makes quick work out of pushing the metal down over a round stone and burnishing it. The working end is a concave cavity that fits over your bezel or prong setting and is pushed and twisted to capture the stone. Sets can be purchased but are expensive and contain many sizes you will probably never use. If all you need is one or two sizes, here's how you can make them yourself.



Find a good quality, round steel rod a little larger in diameter than your bezel cup or prong setting, cut a 5 inch length. File

both ends flat. Locate the center of one end, counterpunch a divot, and drill a small pilot hole about 5 mm deep. Remember to use a little oil as lubricant when cutting steel.

Select a ball bur a bit smaller than the steel rod but slightly larger than the bezel. Enlarge the pilot hole to a full hemispherical cavity. Test for proper fit with your bezel. Bezel should first contact the cavity about a third of the way in. When the size is correct, polish the cavity using Zam on a length of chopstick in your flexshaft. If the tool is not polished, it will leave scratches on your bezel or prongs.

When using the tool, the first step is to capture the stone correctly. I usually work by hand and push the punch straight down over the bezel or prongs. This causes the metal to start bending over the stone. Now inspect with a lens to be sure the stone is staying level. This is repeated until the stone is seated on its bearing and can't move anymore.

Next, you want to force the metal down onto the stone uniformly all the way around. While this can be done by hand, I often gently tap the punch with a hammer. Finally, I burnish the bezel by twisting the Punch around.

More Bench Tips by Brad Smith are at [Facebook.com/Bench Tips/](https://www.facebook.com/BenchTips/) or see the book "Bench Tips for Jewelry Making" on Amazon

MGSCV Petrograph - February 2013

Monthly Bulletin of the Mineral & Gem Society of Castro Valley, inc.

KIDS KORNER

Grizzly Peak

By: Elizabeth Bennette, 14 yrs old

Early January, Jodi, a friend and member at Mineral and Gem Society, told me about Grizzly Peak. I was searching for a new article topic, and she explained that Grizzly Peak in the Berkeley Hills is where she used to go with her dad, Charlie, to find agate, a metamorphic rock formed by high heat or pressure. After getting directions, I asked my 8 year old sister and mom to go out to Grizzly Peak with me. On a sunny Saturday, we set off to Berkeley Hills. "Jodi said that we should look for some run-off from a mountainside" As she drove down the twisted road that leads to Grizzly Peak, the first thing I noticed was the spectacular view. We could see the entirety of San Francisco and Oakland, with bridges, buildings and rolling hills. Almost every spot of the Bay I was familiar with was visible from that point. It was worth going there just for the great scenery! Once we found a spot on the right side of the road that looked like a pile of rocks that could potentially be agate, or some other type of stone, we started to dig. Something bright white beneath the tan dirt caught my eye, and after pushing past some of the dirt, I grabbed my first piece of the mystery stone. Excitedly, I asked my mom what it was as I brushed the dirt off. She didn't know what it was either, but we were still determined to find more. Undaunted by the fact that our findings may or may not be agate, my sister and I found about a dozen more pieces of the white stone, and placed

them into our bags. On our way home, we mused about what kind of stones we could have possibly found. I hope that when I visit the shop again, I can solve my mystery. I can see why Jodi talks about Grizzly Peak so fondly; the views and the potential of finding something great is exciting. My mom, sister and I had a great time, and everyone at Mineral and Gem Society will too.

Experiments with Quartz



Triboluminescence

Big word, but not so hard to say:
TRY- bo - lumen - essence.

Luminescence is light or a glow.
Triboluminescence is light that is produced by pressure, friction, or mechanical shock. It may be readily demonstrated with two hand-sized milky quartz crystals in a darkened room. Simply take the edge of one crystal and rub it back and forth on the face of the other crystal. You may simply rub two faces of the crystal together, but you get more light using the former method. You can also knock together two milky quartz pebbles of landscape rocks. Courtesy of J. Michael Howard, Rockhounding Arkansas
<http://www.rockhoundingar.com>

COLOR IN STONES

By Shirley Buschke

When your child asks you "why is that rock that color?" don't you wish you had the answer? Of course there is no simple answer most children can relate to. Maybe chemistry would have been more interesting, especially to girls if rocks and gem stones entered the class course.

Light energy is the reason stones are colored. But that answer is too simple. Impurities are the most common reason for color. Sometimes the effect, such as fire agate, mother of pearl, ammonite and hematite, is explained by the unusual physical structure of the stone or gem. An opal's color depends on how light hits the numerous "bubbles" and how they are lined up. Internal defects in can also influence color. Or there can be the interaction of electrons from two or more elements making up the mineral or rock.

When light penetrates a mineral, electrons of two different types of atoms absorb some of the energy, the electrons change places. This is called electric charge transfer. Amber, benetoite, heliodor, blue sapphire, violet jadeite, and amethyst use this method. In the case of benetoite (California's state gem), three atom's electrons are involved--iron, titanium, and oxygen.

Most minerals owe their color to impurities. Some fade or lose their color when exposed to light. Sherry topazes can become colorless while. Pink, red and orange topaz is not color centered and

maintains their colors. In this case, chromium acts as a chromophore. Emeralds get their color from chromium atoms that substitute for beryllium. Vanadium also contributes. The pink in Morganite is due to manganese.

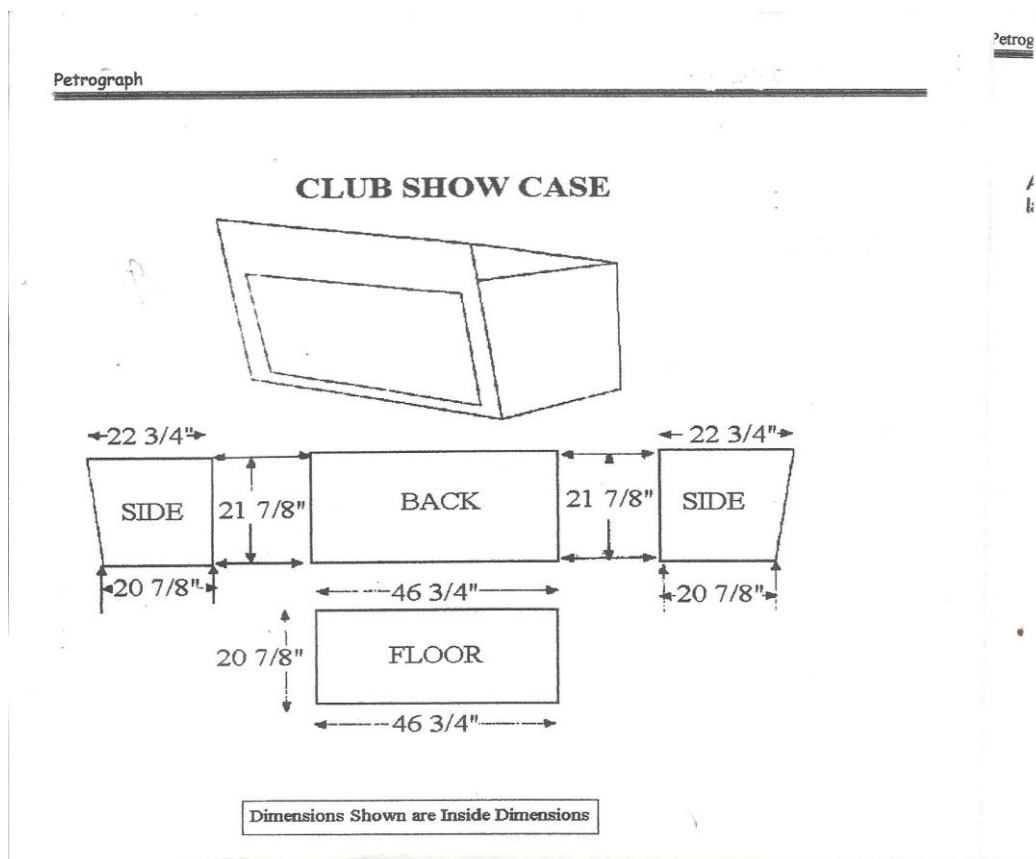
Chalcedony, a variety of quartz, comes in many colors. Sugilite's deep purple is due to manganese. Chalcedony is porous so other minerals can slip in and give the color variety we know. Nickel makes it green and we call it chrysophase. Copper silicate can make the stone blue.

I have also heard that the same effect can be seen by pinching sugar cubes with a pair of pliers, or crunching Winteregreen Lifesavers with your mouth open in a dark room. I haven't tried it... if it works for you, let me know!



MGSCV Petrograph - February 2013
 Monthly Bulletin of the Mineral & Gem Society of Castro Valley, inc.

The following are the dimensions for the club show case and the application for exhibiting follows, please read carefully and return it where indicated.



An invitation to Members & friends of MGSCV

Show & Exhibit application

Business cards or mention of personal business is not acceptable for display in any case in the show

Your Name: _____

Your Address: _____

City: _____

Phone: (____) _____

Member of _____

I will exhibit _____ cases

Please indicate whether you will be entering this case in competition.

MGSCV Petrograph - February 2013

Monthly Bulletin of the Mineral & Gem Society of Castro Valley, inc.

Exhibit Only _____ Competition _____

I have a case. Upright _____ Slant Front _____

Case Dimensions: H _____ W _____ D _____

I want to borrow a club case (4ft. Upright, no liners or risers) _____

Please describe the material to be exhibited. (carvings ,fossils, Jewelry, & Minerals etc.)

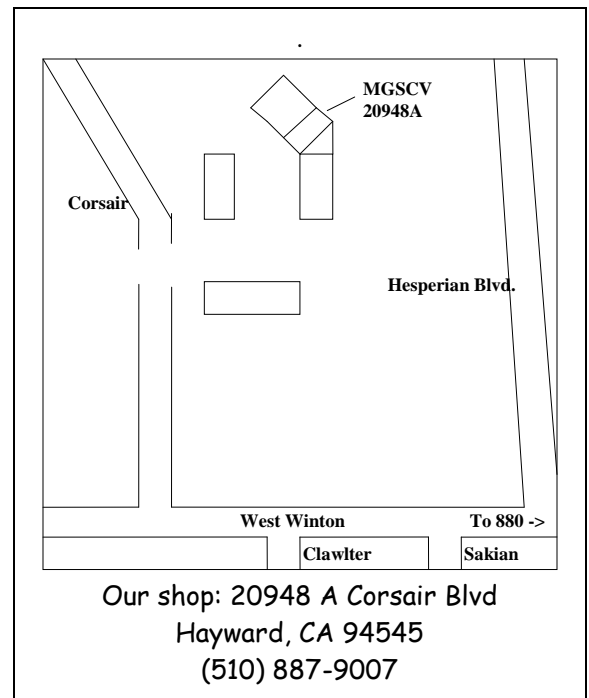
24 hour Security will be provided; however MGSCV assumes no responsibility for any loss or damage to exhibitor's property. This form must be on file for all exhibitors for each individual show year. Contact: Norm Hodgson, Exhibit Chairman, P.O. Box 2665, Fremont, Ca 94536 or call 510-744-1564.

Your co-operation in returning this form **AS SOON AS POSSIBLE** indicating whether or not you will be exhibit, will be greatly appreciated.

Shop Schedule (All shop sessions members only)

- 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

MAPS

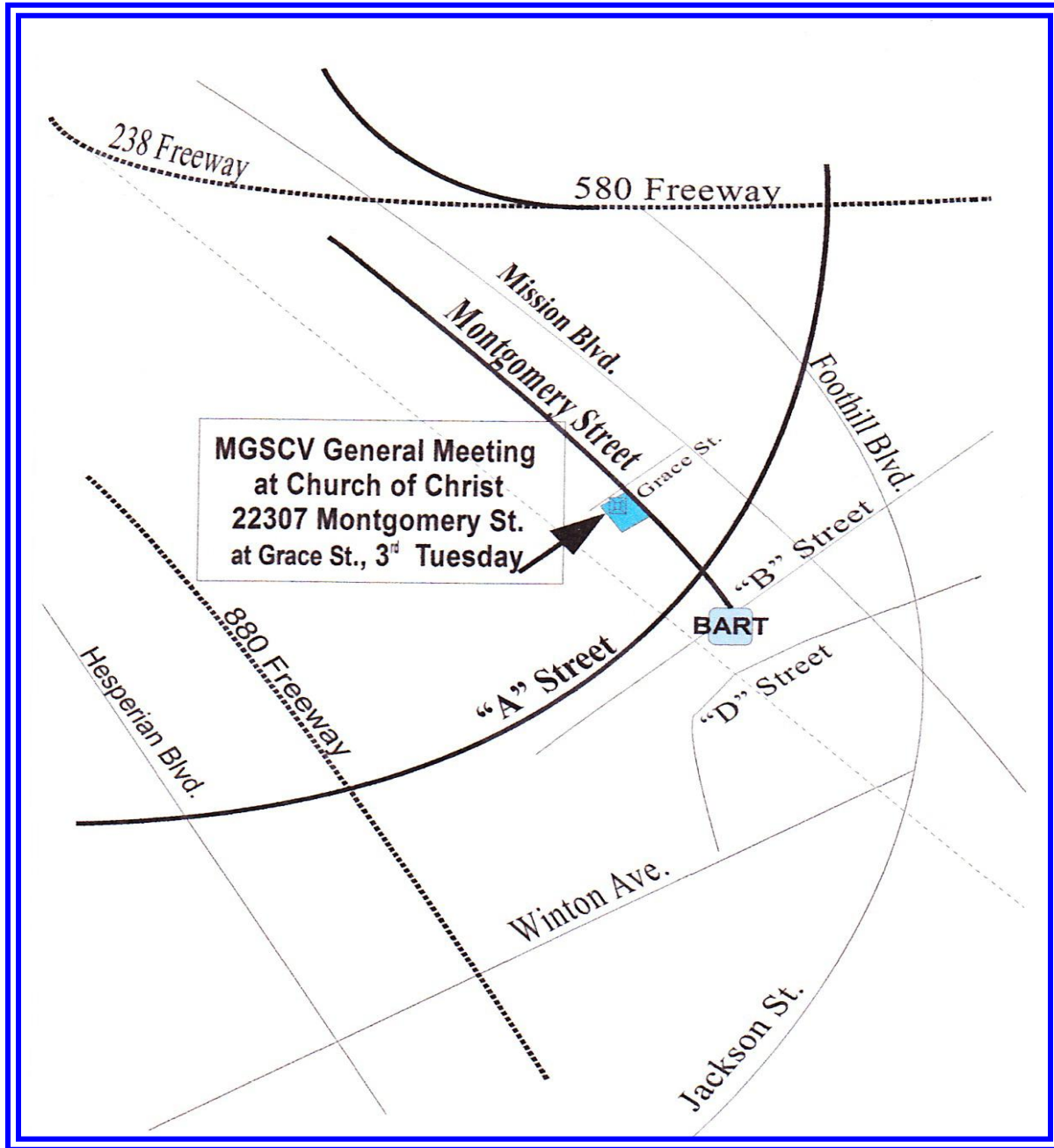


SHOP NOTICES:

Website: www.mgscv.org
Email us at info@mgscv.org

MGSCV Petrograph - February 2013

Monthly Bulletin of the Mineral & Gem Society of Castro Valley, inc.



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.

MGSCV Petrograph - February 2013

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: _____