



Club Notes



General Meeting: May. 17th 2016 7: 30 PM at the Church of Christ. Those with the last with **J-M**, please bring finger foods to the meeting. Unless otherwise stated *General Meetings* are the third Tuesday of the month at the church at 7:30 pm. You are invited and encouraged to attend! There is a silent auction and door prizes at every meeting.

Next Board Meeting: Monday May 9th Board Meeting at the shop 7p.m.

Next Show Meeting:



In This Issue:

- ❖ Club Notes
- ❖ General Information
- ❖ Meeting Minutes
 - Board Meeting
 - March 14th
 - General Meeting
 - March 19th
- ❖ Rock Rumbles
- ❖ Announcements
- ❖ Show Schedules
- ❖ Field Trips
- ❖ Gem of the month
- ❖ Bench Tips by Brad Smith
- ❖ Kids Korner
- ❖ Shop Schedule
- ❖ Map To New General Meeting Place

MGSCV Petrograph May 2016
Monthly Bulletin of the Mineral and Gem Society of Castro Valley, inc

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

Bulletin Submission Policy

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

2015 MGSCV Officers

Elected

President - Bonnie Andrade	President@mgscv.org	
Vice President - Mike Cox	VP@mgscv.org	
Secretary - Sheryl Cooper	Secretary@mgscv.org	(510) 589-8858
Treasurer - Betty Milam	Treasurer@mgscv.org	
1 st Year Director - Michelle Bennette	Director1@mgscv.org	
2 nd Year Director - Jodi Minshall	Director2@mgscv.org	
3 rd Year Director - Norm Hodgson	Director3@mgscv.org	
Federation Director - Mike Mc Bride	Federation@mgscv.org	
Shop Manager - Beth Farmer	ShopManager@mgscv.org	
2014 Show Chairman - Cathy Miller	ShowChair@mgscv.org">ShowChair@mgscv.org	
Membership - Tony Cooper	membership@mgscv.org	510-589-5292
Editor - Diana Cohoon	Editor@mgscv.org	925-348-3000
Past President - Ron Miller	pastpresident@mgscv.org	

Appointed

Scholarship Chair - Mary Howell
Librarian - Mary Howell
Historian - Norm Hodgson
Purchasing Agent - Beth Farmer
Education Coordinator - Shirley Buschke
Field Trip Coordinator - Mike Cox
Parliamentarian - Doc Buschke
Reception/Host - Jim Ewing
Sunshine Reporter - All members
Door Prizes - Bonnie Andrade
Web Master - Tony Cooper

webmaster@MGSCV.org



Publication Staff



◇Contributors: Shirley Buschke, Betty Milam, Sheryl Cooper, Mike McBride, Beth Farmer

MGSCV Petrograph May 2016

Monthly Bulletin of the Mineral and Gem Society of Castro Valley, inc

BOARD MEETING

Submitted by **Sheryl Cooper**

February 8 2016

The meeting was called to order at 7:10 pm. In attendance were Bonnie Andrade, Betty Milam, Cathy Miller, Beth Farmer, Jodi Minshall, Sheryl Cooper, Michelle Bennette, Mike McBride, and Tony Cooper

Minutes: **Mike McBride** moved to accept the January board minutes as printed in the Petrograph. **Jodi Minshall** seconded the motion and it carried unanimously.

Treasurer: We looked over the January treasurer reports by **Betty Milam**. **Jodi Minshall** moved to accept the reports as presented. **Sheryl Cooper** seconded the motion and it carried unanimously.

Sunshine: **Mocha** spent the night in the hospital and is mending now at home.

Jim Ewing fell on his way home last Thursday night, February 4th.

Federation: **Mike McBride** has updated our information with the federation. The federation has Junior Rockhound of the Year and Rockhound of the Year Recognition. We discussed possible nominations and agreed unanimously on two candidates for this year.

Shop: **Beth Farmer** says nothing much right now. She is talking and working on the estate of **Arland Stokes**.

Show: **Cathy Miller** says there will be a show. She has set up an event page on Facebook. The Tri-City Voice interview is this week. The show is listed on Craigslist.

Sub Nishimoto has agreed to demonstrate **Suiseki**. **Andrei Kozyrev** is demonstrating enameling. Exhibitors will get two raffle tickets this year. Demonstrators will get a raffle ticket also. **Mike McBride** will oversee the geode cracker.

Membership: Applications are coming in fast and furious. I'm still working on a stack of them.

Scholarship: The winners have been chosen and will be at the general meeting. The geology department will have a program also.

New Business: We discussed having Saturday meetings. We need to get programs lined up and advertised so members will come to meetings.

The Castro Valley Science Fair is May 7th from 10:00 am to 2:00 pm. We received a Letter from the League of Volunteers about an online bidding auction site. The annual starting fee is \$895.

Old Business: We looked into the fees involved in going to small claims court for the library books. The time and fees are going to be more than the value of the books.

The next board meeting will be March 15, 2016

The meeting adjourned at 8:40 pm.

BOARD MEETING - March 14, 2016

Submitted by **Betty Milam** and **Sheryl Cooper**

The meeting was called to order. In attendance are **Norm Hodgson**, **Beth**

MGSCV Petrograph May 2016

Monthly Bulletin of the Mineral and Gem Society of Castro Valley, inc

Farmer, Mike McBride, Bonnie Andrade, Michelle Bennette, Diana Cohoon, Jodi Minshall and Betty Milam. Cathy Miller and Sheryl Cooper arrived later.

Minutes: No minutes to approve.

Treasurer: We looked over the February treasurer reports by **Betty Milam. Jodi Minshall** moved to accept the reports as presented. **Norm Hodgson** seconded the motion and it carried unanimously.

Federation: **Mike McBride** reviewed the new CFMS policy on collecting rocks or anything else from National Monuments. No longer will this be allowed per a new Federal mandate. He is submitting two names to be honored as Rockhound of the Year and two names for Junior Rockhound of the Year. Stay tuned to find out who they are.

THE CRUCIBLE, a hobby shop in Oakland, will be holding an open house on Saturday, March 26, from 12 - 5 pm. Information can be found at **TheCrucible.org**. They teach many skills that our club members would be interested in observing. We will have a table at the open house also.

Shop: **Beth Farmer** put new blades on two saws. One motor has been repaired.

Shop cleanup will be April 30th starting at 9:00 am. The open house will be May 1st from 10:00 am to 2:00 pm.

The Faceters Frolic seemed to go well. They left the shop clean.

Editor: **Isabelle Bennette** is doing great articles. Please send more articles.

Sunshine: **Bill Morgan** passed away on Saturday, March 12th. **Arland Stokes** passed away on Friday March 11th.

New Business: **Shirley Buschke** wants to raise the class price \$5 each. The board agreed. **HF Forester** retired and sold his business to a new owner in San Carlos.

Starla Turner has volunteered to do a program on "How to Identify Gems"

Announcement: The Castro Valley Science Fair is May 7th

Show: The wrap up meeting will be Thursday, March 31st at the shop at 7:00 pm.

The next board meeting will be April 11, 2016

The meeting adjourned at 8:15 pm.

BOARD MEETING - April 11, 2016

Submitted by **Betty Milam and Sheryl Cooper**

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

Minutes: No minutes to approve.

Treasurer: We looked over the March and first quarter treasurer reports by **Betty Milam**. We have not received an electric bill since the new meter went in. The landlord is double checking that it is working correctly before they send us a bill. **Beth Farmer** moved to accept the reports as presented. **Mike Cox** seconded the motion and it carried unanimously.

MGSCV Petrograph May 2016

Monthly Bulletin of the Mineral and Gem Society of Castro Valley, inc

Federation: We discussed the wording for the Rockhound and Junior Rockhound of the year nominations. **Mike McBride** reviewed how it went at the Crucible. He took a Genie to make cabochons and answer questions. He is looking forward to working with them again.

Sunshine: **Doc Buschke** was in an auto accident last week. He is fine, just very shook up.

Field Trips: **Mike Cox** went to the meeting of NBFT and heard about several field trips coming up. A list will be at the shop soon.

Shop: **Beth Farmer** is changing the leathers in the Genie pumps because they are wearing out. We are training people for the casting room to learn investment consistency, de-bubbling, burnout process and casting consistency. Don't forget the locker fees are now \$10

Show: We made it through another show. **Cathy Miller** says we are thinking about adding evening hours during set up. The paid help was a great help. Some dealers are requesting to cut back on Friday hours. We should look into getting two squares to use during the show. One at admissions, and the other for the auction. **Jodi Minshall** proposed we raise the door fee to \$10 for the three days and keep the \$1 off coupon. **Cathy Miller** moved to accept the proposal and **Beth Farmer** seconded the motion. It carried unanimously. The next show meeting is September 1st at 7:00 pm at the shop.

Membership: We have 111 current members.

New Business: **Doc Buschke** has proposed someone for lifetime membership. **Betty Milam** moved to accept the nomination and **Sheryl Cooper** seconded the motion. It carried unanimously.

The next board meeting will be May 9, 2016

The meeting adjourned at 8:20 pm.

GENERAL MEETING

Submitted by **Sheryl Cooper**

GENERAL MEETING - February 16, 2016

Submitted by **Sheryl Cooper**

Bonnie Andrade called the meeting to order at 7:40 pm. There are 23 members and 5 guests.

Scholarships: The Earth Science Department at CSU East Bay had 12 applicants for this year's scholarships. The first winner is **Joshua Fox**. He is a geology student in environmental studies graduating this spring. His fiancé, **Madison**, a theology student, joined him tonight. The second winner is **Faithe Lovelace**. She is a graduate student going for her masters. She wants to research the cause of the blue green algae and do ground water research. Congratulations to Joshua and **Faithe**. Thank you **Dr. Mike Massey**, for joining us and supporting the students.

Program: "A Tour of the Hayward Fault: Geology, History, Seismology" by **Adrian McEvilly**

MGSCV Petrograph May 2016

Monthly Bulletin of the Mineral and Gem Society of Castro Valley, inc

Adrian is a geology grad student and now a teaching assistant at CSUEB.

His father was a seismologist and he got to tag along sometimes. **Adrian** brought pictures and graphs showing what it looks like 1000 meters down on the east side of the East Bay Hills. On the corner of Prospect and Rose Street the curb shows how the fault is creeping still today. Fault is the difference between having just one thing and having two things that are next to each other. Fault on a Continental scale is the plates slipping by each other. Most earthquakes are along the plate boundaries. Some plates push away and others slide along each other. Seismology shows us at the surface there are many fault lines that merge together as you go deeper under the crust. At the top of a strike-slip fault it can create a "positive flower" or a "negative flower". Strike-Slip faults create more strike-slip faults that flower out at near the surface. The energy source is still way down in the earth and branches out along the new secondary faults. Warren Freeway (13) runs along the San Andreas fault line. Most California faults run N35W. **Adrian** talked about the California earthquakes and showed pictures from the different ones for comparison. On October 21, 1868 at 7:53 in the morning a magnitude 6.8 earthquake hit the Hayward area. There was significant damage and deaths throughout the area. One picture showed a flour mill tipped over. There have been 12 major earthquakes recorded at an average of 132 years apart. The 1906 San Francisco earthquake struck at 5:12 am on April 18th with a 7.8 magnitude. At the Knoxville

Formation in Oakland they have found bivalve shell and ammonite fossils. **Adrian** answered questions and posed questions to us. Thank you.

Minutes: **Mark Montgomery** moved to accept the January minutes as printed in the Petrograph. **Jodi Minshall** seconded the motion and it carried unanimously.

Federation: Nothing new to report.

Shop: Things are breaking and things are getting repaired. Reminder - the shop is closed February 29 - March 7th. Please show up and help set up for the show. **The Faceters Guild** is having a presentation at the shop on March 5th and 6th so keep the shop clean.

Show: A student club at **CSUEB** will try to come help set up and tear down the show. Come help set up. We have a great time getting to know each other while working side by side. The more you know about the workings behind the scenes the better you understand the positions during the show. Friday there will be school tours. Dealer dinner needs some desserts donated. On Sunday night we need transportation for items going back to the shop. The signup sheets are at the meeting and the shop. New positions are admissions and door prize table.

Editor: Please submit all articles two days before the end of the month.

Membership: We have 91 members so far.

Reminder - We increased the membership dues. Membership without shop privileges will stay at \$35 per person and \$60 per couple and receive white membership cards.

MGSCV Petrograph May 2016

Monthly Bulletin of the Mineral and Gem Society of Castro Valley, inc

Membership with shop privileges for 2016 went to \$45 per person and \$80 per couple. These membership cards will be the color of the year. Juniors will stay at \$5 or \$1 with an adult membership.

Locker fees for 2016 went from \$5 to \$10.

Junior: Nothing right now.

Sunshine: **Jim Ewing** walked about a mile from his house to have dinner and on the way home collapsed. He has brain bleeds and lost his short term memory. **Jim** was moved to Alta Bates and is improving. He is upset he can't help at the shop and the show, but plans on stopping by the show.

John Caudill had a stroke on December 19th and 40% brain bleeds. For a week and a half there was no movement, then one finger moved. He has started speaking, has some motion on his left side and standing up some. They won't know for a year or two the full extent of his situation.

Announcements: Bring books and magazines to the show instead of the shop.

The shop library is open Monday, Wednesday and Saturday mornings.

Money Drawing: The name drawn tonight for \$100 is **Peggy Lew**, unfortunately she is not present. At the March meeting the amount will be \$105.

Guest Drawing: **Adrian McEvelly, Madison, Dr. Mike Massey, Faithe Lovelace and Joshua Fox**

Ticket Drawing: **Lily Pate, George Kozakura, Mike McBride, Greg Ordonez, Betty Milam, Phil Karl, Jodi Minshall, Maya Merida-Caudill, Katrina Ordonez, Mark Montgomery, Stephen Merida-Caudill, Shirley Buschke, Stephen Merida-Caudill, Maya Merida-Caudill and Charles Meyer**

The meeting adjourned at 9:15 pm after the silent auction wrapped up.

The next general meeting will be on March 15, 2016.

GENERAL MEETING - March 15, 2016

Submitted by **Sheryl Cooper**

Bonnie Andrade called the meeting to order at 7:45 pm. There are 19 members and 2 guests.

Guest: **Diane** went several years to our show at Centennial Hall and is thinking about joining.

Michelle Mai joined another club and has decided to join ours also.

Program: "South Africa and Namibia" by **Beth Farmer**

I apologize now for not keeping up with all the names and places of her travels.

Namibia has 2.1 million people and is mostly desert. The settlers were mainly from Germany. **Beth** took a lot of pictures of the wildlife. She found elephants, lions, burchell zebra, antelope, leopard and more. There is eroded limestone and she talked about the various rock types. Such as **chert, conglomerate and sandstone**. In **Botswana** most people get around by donkey cart. She

MGSCV Petrograph May 2016

Monthly Bulletin of the Mineral and Gem Society of Castro Valley, inc

visited where there is sandstone pillars and petroglyphs. The visitor center is made out of 55 gallon drums. She visited skeleton coast also. It is called this because of so many shipwrecks. All of the good stuff is exported out but she saw some wonderful specimens in museums and shops. She continued further down along the coast. Not many people along the way and filled up the tank every chance she had. she didn't want to run out of gas along the way. **Beth** continued to the dunes and the **Dead Vlei? Area**. In **Namibia** it is left hand drive.

Now moving onto **South Africa** where it is right hand drive. Cape Town is similar to San Francisco. It has great food and is right on the ocean. Table Top Mountain is in the area and they have a gondola ride available. The botanical garden is over 100 years old and fantastic. She drove through the wine region in Eastern Cape Province. It is similar to what Napa Valley was 20 years ago when they didn't charge you tastings. At Jeffreys Bay she saw penguins. There are 100 yards of net along the coast so the sharks wouldn't come in. **Beth** had a lot of pictures and stories of her adventure. Thank you.

Shop: The shop cleanup is April 30th and the open house is May 1st.

Show: We pulled off another show. Thank you to everyone who helped, but there were not many people this year. We cannot do this again next year without more people during setup. It is a lot of fun setting up and working the show. You get to know each other better. Our show is a community activity and the livelihood of the dealers. A

special Thank You to **Cathy Miller, Beth Farmer, Mike McBride, Jodi Minshall and Lily Johnson**, for all of your hard work. It was a very successful live auction. Thank you for all of the donations. Both scholarship winners worked the show. The geology department field trip was cancelled because they wanted to go to our show. Thank you **CSUEB**.

Membership: We have 106 current members. The 2016 membership cards are green for shop privileges.

Reminder - We increased the membership dues. Membership without shop privileges will stay at \$35 per person and \$60 per couple and receive white membership cards. Membership with shop privileges for 2016 went to \$45 per person and \$80 per couple. These membership cards will be the color of the year. Juniors will stay at \$5 or \$1 with an adult membership.

Locker fees for 2016 went from \$5 to \$10.

Announcements: **The Faceters Frolic** was the same weekend as our show at our shop. They had a great time with several presentations.

The Crucible in Oakland is having an open house on March 26th.

Education: Hopefully classes will start again soon. Prices of the classes are going up a little to cover the cost of supplies.

Sunshine: **Arland Stokes and Bill Morgan** both passed away this month.

We are glad to see **Jim Ewing** is back and doing better.

MGSCV Petrograph May 2016

Monthly Bulletin of the Mineral and Gem Society of Castro Valley, inc

John Caudill is starting to walk and become aware of things around him more and more.

Mary Howell was in the hospital but is back home recovering now.

Money Drawing: The name drawn tonight for \$105 is **Bonnie Andrade**. Congratulations! The amount goes back to \$100 for the April meeting.

Guest Drawing: Diane, Michelle Mai

Ticket Drawing: Maya Merida-Caudill, Maira Dizgalvis, Beth Farmer, George Kozakura, Lily Johnson, Doc Buschke, Mark Montgomery, Stephen Merida-Caudill, Linell Ragsdale and Sheryl Cooper

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

The next general meeting will be on April 19, 2016.

GENERAL MEETING - April 19, 2016

Submitted by **Sheryl Cooper**

Bonnie Andrade called the meeting to order at 7:50 pm. There are 16 members and 1 speaker.

Speaker: Barbara Matz with the San Francisco Gem and Mineral Society (SFGMS) and Bay Area Mineralogists (BAM)

She started collecting at the age of 12. Tonight she is talking about a place SW of Dead Valley called **Searles Lake**. The second weekend every October the **Searles Lake Gem and Mineral Society in Trona, CA** hold their **Gem-O Rama** which includes three field trips out onto the lake. On your way there, east of Chowchilla, you can stop along the roadside and pick up Cross Rocks

or **Chiastolite**. The minerals found at Searles Lake include **Hanksite, Sulfohalite, Thenardite, Trona, Borax, and Pink Halite**. At the **Gem-O-Rama** they sell supplies for the field trips. The minerals are water soluble so you need brine to wash them. Bring sacrificial clothes to wear. On Saturday morning is the **Mud Field Trip**. You start at the show building, where you purchase your ticket and then everyone leaves together. The **Searle Valley Mineral Facility** digs up 150-200 tons of mud and spread it out for you. About 800 people play in the mud for 2 hours collecting minerals. There are troughs of brine to clean the minerals that get pretty crowded.

Afterwards you head back to the show building and get ready for the Saturday afternoon Blow Hole Field Trip. The facility drills 15 holes, 25-40 feet down and blasts the site. Compressed air is used to move the brine and loose crystals to the surface. People pick up the crystals for an hour then there is a blow hole demonstration. On Sunday you meet at the show building again for the Brine Pools Field Trip. After the water evaporates from the surface **Pink Halite** forms in the brine pools. You have 3-4 hours to collect over 1 square mile.

Barbara Matz shared google images of the site and some samples she collected. For more information on the field trips and show, go to

www1.iwvisp.com/tronagemclub/GEM-O-RAMA.htm

MGSCV Petrograph May 2016

Monthly Bulletin of the Mineral and Gem Society of Castro Valley, inc

Federation: The **CFMS** show is Sept 16-17, 2016 at the El Dorado County Fairgrounds. **Mike McBride** has applications if you want to exhibit. The California desert area has 3 new National Monuments so no rockhounding within the borders. The **Hauser Geode Beds** are still available to collect.

Shop: **Beth Farmer** has ordered sodium silicate and mineral oil. Genies are starting to wear out and are getting repaired. The Shop Cleanup is April 30th and the Open House is May 1st.

Show: The next show is March 3-5, 2017. The next meeting is September 1st. People have talked about the thrill of working different positions and seeing the excitement of the patrons. We are discussing evening shift setup hours on Monday, Tuesday and Wednesday. Since there is no ATM close we are talking about getting two square devices to use at admissions and the auction. The Board voted to change the admission from \$6 to \$10 for three days with a \$1 off coupon. The net profit was the lowest in years. The weather didn't help and we need more ideas on how to advertise.

Announcements: The Alameda County Fair is coming up. The applications are due by the end of April. Several clubs are planning to display this year.

If anyone has fundraising ideas, email them to any board member. Emails listed in the Petrograph.

Membership: We have 112 current members. The 2016 membership cards are green this year. Your cards have been printed and placed down at the shop or mailed if I received a self-addressed envelope with postage.

Reminder - We increased the membership dues. Membership without shop privileges will stay at \$35 per person and \$60 per couple. Membership with shop privileges went to \$45 per person and \$80 per couple. Juniors will stay at \$5 or \$1 with an adult membership.

Sunshine: **Doc Buschke** has fallen and is recovering at home.

Petrograph Correction: **Beth Farmer** didn't go to the Crucible; it was **Mike McBride** who represented us.

Money Drawing: The name drawn tonight is **Jack Caudill**. Unfortunately, he was not present so the amount for the May meeting will be \$105.

Guest Drawing: **Barbara Matz**

Ticket Drawing: **Bill Luna, Mike McBride, Mike Cox, Michelle Bennette, Mark Montgomery, Jim Ewing, Betty Milam, George Kozakura, Lillian Pate, Sheryl Cooper, Jodi Minshall, Cathy Miller and Lillian Pate**

The meeting adjourned at 9:20 pm after the silent auction wrapped up.

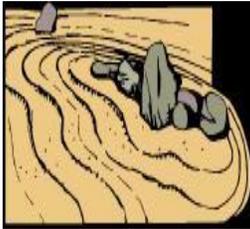
The next general meeting will be on May 17, 2016.

MGSCV Petrograph May 2016

Monthly Bulletin of the Mineral and Gem Society of Castro Valley, inc

ANNOUNCEMENTS

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



ROCK RUMBLES 2016

By Shirley Buschke

ROCK RUMBLES APRIL 2016

Off to a good start in our auction case. **Victor Arca** has a beautiful wire wrap ring, **Horace Robertson** was our first donor this year with a Biggs belt buckle. We also have received some lovely turquoise pieces from the estate of **Arland Stokes**, executed by **Arland**. The estate has also donated a turquoise carving by **Doc Buschke**.

Understand we missed a great program at the April meeting.

Remember the Mother's Day field trips we used to take to Snyder's Ranch? Remember the one that **Ellen Placas** lost her shoes in the mud and many of the cars had to be hauled out of the mud by tractor? Despite the problems, lots of fun. We haven't gone back since they changed the date. Do they still have the show?

It sounds like another good show should be the **National Federation** Show July 29-31 at the Linn County Fairground in Albany,

Oregon should be worth visiting. Lots of good collecting in the area. Location is along interstate 5.

Sadly we announce the passing of a former member, **Art Shiffrar**.

It is lameda County Fair time. Hope you got your application in. We have so many artistic members who should be exhibiting. Doc Buschke and Diana have won many ribbons there.

Just a reminder-- You must be a member to take classes. Applications are on the counter of **Doc's store**. Put your application and dues in the safe. **Betty Milam** just graduated three enameling students and **Andre** is offering a two session class in cloisonet (don't know how to spell it)

Open House was May 1, the usual crew showed up for cleanup the day before and a couple new members. You use the shop you should help clean it up, leave it to "**George**" isn't fair, how about some of you, being "**George**" for a change. You get another chance in September at the next clean up.

SHOW SCHEDULES

AMADOR COUNTY GEM & MINERAL SOCIETY

Jackson, Ca

May 7th - 8th; 10-4pm daily

Kennedy Mine

12594 Kennedy Mine Rd. (off hwys 40 & 88)

Gaylene Lichty; 209-245-5388

Mountaingirl@volcano.net

www.amadorgemandmineral.org

MGSCV Petrograph May 2016

Monthly Bulletin of the Mineral and Gem Society of Castro Valley, inc

RENO GEM & MINERAL SOCIETY

Reno, Nevada

May 7, 8th; Sat. 10- 5pm, Sun.10-4pm

Reno Livestock Event Center

1350 N. Wells Ave

Daniel Ellis 775-229-4420

Sailondan55@aol.com

www.renorockhounds.com

YUCAIPA VALLEY GEM & MINERAL SOCIETY

Yucaipa, Ca

May 13-15th; Fri. 6-9pm, Sat. 11-10pm, Sun. 12-6pm

Yucaipa Music & Arts Festival

Yucaipa, Blvd.

Lee Peterson 909-794-0731

Res09ayd@verizon.net

www.yvgms.org

NORTH ORANGE COUNTY GMS

La Habra, Ca

La Habra Community Center

101 W. La Habra Blvd.

Dan Warthen 626-330-8974

Cell: 626-826-9538

odwarthen@verizon.net

www.nocgms.com

CULVER CITY ROCK & MINERAL CLUB

Culver City, Ca

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

Vetrans Memorial Auditorium

4117 Overland Blvd.

Janice Metz 310-850-4398

janicemetz@yahoo.com

www.culvercityrocks.org/fiesta.htm

ORCUTT MINERAL SOCIETY

Nipomo, Ca

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

Nipomo High Schoolinc.org

Olympic Hall cafeteria & parking lot 525 No.

www.omsinc.org

SAN FRANCISCO MINERAL & GEM SOCIETY

San Francisco, Ca

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

San Francisco County Fair Bldg.

Ellen Knott 415-564-4230

Ellen_nott@yahoo.com

www.sfgmshow.org

STOCKTON LAPIDARY & MINERAL CLUB

Lodi, Ca

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

Lodi Grape & Harvest Festival Grounds

413 East Lockford St.

Jerold Kyle 209-368-9411

jeroldkyle@yahoo.com

www.stocktonlapidary.com

MGSCV Petrograph May 2016

Monthly Bulletin of the Mineral and Gem Society of Castro Valley, inc

SANTA ROSA MINERAL & GEM SOCIETY

Santa Rosa, Ca

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

Wells Fargo Center for the Arts

50 Mark West Springs Rd.

Erica 707-528-7610

www.SRMGS.org

GEM OF MONTH APRIL 2016

By Shirley Buschke

No Gem this month

BRAD SMITH BENCH TIPS

No Bench Tips this month

KIDS KORNER

By: Isabelle Bennette, 11 years old

Grecian Statues

By: Isabelle Bennette, 11 years old

Each statue that the Greeks made was an astounding piece of work that may have taken years to finish and perfect. The statues were used to show their devotion to the divine beings they believed in, telling of long stories and myths, and to decorate their cities. Many sculptures can date back all the way from 800 B.C., at the earliest time of ancient Greece. The statues are now a key part of Greece's history.

The tools the Greeks used to sculpt and carve these magnificent pieces of art are the platform for tools we use now in the shop. They were key to making their figurines stand out and look real. The Greeks made their busts look like they were

created by adding together pieces of clay and smoothing it out. However, they were actually carved from a block of stone, usually marble. Most statues were made of bronze or marble stone. The sculptors of Ancient Greece used a bow drill, also known as a fire drill because it created friction to create indentations. They also used a variety of iron chisels that ranged in size and sharpness to create crooks and curves.

The most important things to the Greek sculptors were that their works looked like real Greeks, with flowing robes and a human-like body. Many historians say that the figurines made by Greek sculptors were the most realistic in history. The Parthenon, a culturally rich temple, has statues of Dionysus, the God of Wine, and the Diskobol, a statue of a discus thrower. A lot of the sculptures were athletic and barely clothed. A number of the statues looked as if they were in the wind, because of the way their robes were pushed back and flowed. It took Greek artisans many years to perfect their craft. Myron, Phidias, Polyclitus, Praxiteles, Scopas, and Lysippus were all famous sculptors who used one of three lost wax techniques. They each had their own specialized style, and changed Grecian idealism, the way an ideal person would look like in ancient times..

Some of the sculpting/carving techniques used in Greece are used now. A lot of the techniques they used were culturally borrowed from China and Europe. For bronze statues, they used one of three Syrian lost wax techniques to create a figure which they wanted their sculpture to

MGSCV Petrograph May 2016

Monthly Bulletin of the Mineral and Gem Society of Castro Valley, inc

look like. They slowly used bow drills to create a rough look, then used small chisels to create the details of their work. Today, we use our mechanic drills to create a rough shape, then detail and clean. Finally, I think it would be interesting to be an artisan of ancient times, trying different methods to create the same figure.



Emerald crystal from Muzo, Colombia

green by trace amounts of chromium and sometimes vanadium.[2] Beryl has a hardness of 7.5-8 on the Mohs scale.[2] Most emeralds are highly included, so their toughness (resistance to breakage) is classified as generally poor. It is a cyclosilicate.

From: Wikipedia

As the birthstone for May, the emerald, a symbol of rebirth, is believed to grant the owner foresight, good fortune, and youth. Emerald, derived from the word smaragdus, meaning green in Greek, was mined in Egypt as early as 330 B.C.

Today, most of the world's emeralds are mined in Colombia, Brazil, Afghanistan, and Zambia. The availability of high-quality emerald is limited; consequently, treatments to improve clarity are performed regularly.

General	
Category	Beryl variety
Formula (repeating unit)	$\text{Be}_3\text{Al}_2(\text{SiO}_3)_6$
Crystal system	Hexagonal (6/m 2/m 2/m) Space group : P6/mcc
Unit cell	$a = 9.21 \text{ \AA}$, $c = 9.19 \text{ \AA}$; Z



Emerald is a gemstone and a variety of the mineral beryl ($\text{Be}_3\text{Al}_2(\text{SiO}_3)_6$) colored

MGSCV Petrograph May 2016
Monthly Bulletin of the Mineral and Gem Society of Castro Valley, inc
Shop Schedule
(All shop session's members only)

MAP

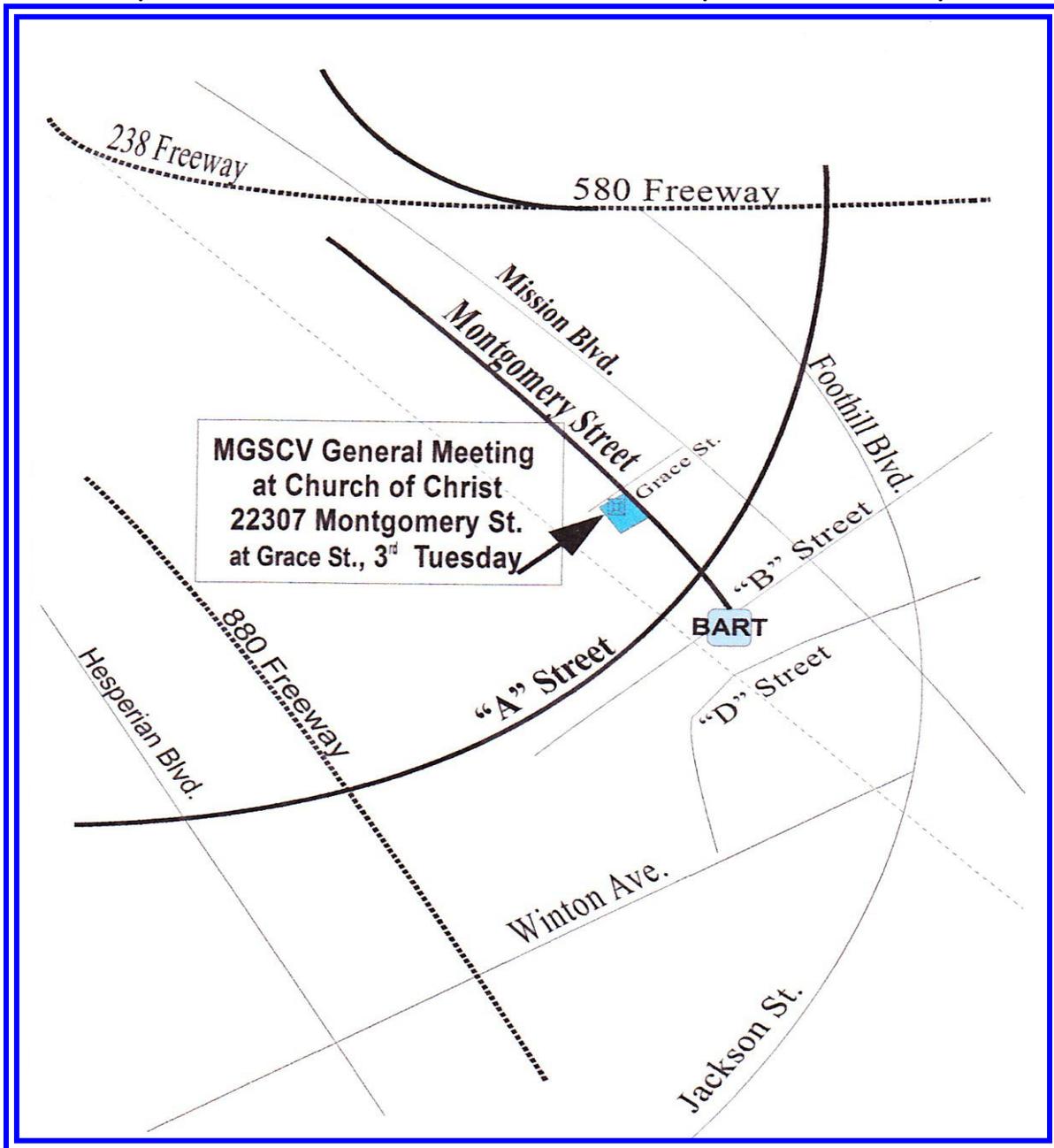
- Monday** 10 AM to 1 PM, Lapidary
 6 PM to 9 PM, Beginners only in lapidary
- Tuesday** 12-to 5 PM, need daytime supervisor
 6 PM to 9:00 PM, Lapidary,
- Wednesday** 9AM to 12:00PM, Lapidary
 Library open 10AM to noon.
 5:30 - 8:00 PM Lapidary
- Thursday** 10:00 AM to 1:00 PM, Lapidary
 7 PM to 9 PM,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



SHOP NOTICES:

Email us at info@mgs

MGSCV Petrograph May 2016
Monthly Bulletin of the Mineral and 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 May 2016

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