

Club Notes



General Meeting: Mar 15th 2016 7:30 PM at the Church of Christ. Those with the last with A-E, 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 Mar. 14th Board Meeting at the shop 7p.m.

Next Show Meeting:



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MGSCV Petrograph March 2016
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.

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

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BOARD MEETING

Submitted by **Sheryl Cooper**

Everyone is too busy setting up our show to submit the minutes of the board and the general meeting, through no fault of our own. Look for them next month.

ANNOUNCEMENTS

CFMS NEWS - Anyone interested in CFMS scholarships, Camp Zzyzx or Camp Paradise please contact Mike McBride, e-mail Federation@mgscv.org or phone/message 510/456-5252.

SHOW VOLUNTEERS - Now is the time to meet your obligation to the club and show your support. 4 hours is a minimum. Some club members work all year on the show. Some work all week of the show. Now is the time to give back. **As of 2/3/16, only 10 people out of 174 have shown up to set up the show for our club. This is our main source of income to keep the shop open, and the classes going and supplies purchased. Evidently people do not appreciate what they have available in our club, or they would pitch in and work like the board members and the very few more.!!!!!! Editor**



ROCK RUMBLES 2016

By Shirley Buschke

We had a marvelous program at the February meeting. **Adrian McEvelly** of Cal State spoke on the history of the Hayward fault. He said the classic fault in Hayward, known to scholars all over the world, is to stay intact, or as much as possible, as it responds to shakes, so scholars can study it. He spoke of the flower theory of faulting. You missed a good educational talk. Two winning scholarship students gave us a brief history of their goals. This year there was a record number of applicants for the two scholarships. And the students even promised to help as labor at the show set up. We can sure use their help. Our show supports our shop and also funds these scholarships. Did you know this is our 67th show?

It was nice to see **Phil Karls** at the meeting. He lives many miles away from us. He has had medical problems and comes to stay with his daughter during treatment. **Peggy Lew** was our meeting winner of the \$100 but she was not present.

Jim Eweing fell February 4th and has been in the hospital ever since. He doesn't remember falling. Send him cards and your best wishes. Meanwhile **Jodi Minshall** is taking his place as faceting instructor. **Jodi** has also donated more for our door prizes. Thank you, **Jodi**.

Finally see **Ken Panico** back at the shop. He had quite a bout with pneumonia. He said it was up and down for days. Not much fun.

Karl and Niki Churchill have just returned from a visit to Machu Pico, Peru. Loved the trip but discovered they could

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not communicate with the USA internet service. International travel can be frustrating. I think they get around the world as much as our **Beth Farmer**, I should count **Mary Howell** in that list, too.

We Visited the Antioch show -- small but nice. Their signing to get to the building sure needs work. Thought the prices were a bit high. Looked for the \$20-30 price range and found very little. Did find some nice stones, and reasonable, from a local Antioch member at the show.

There was lots of activity at the Pavilion Monday. Why weren't you there? We need help every day.

We have had wonderful donuts at the shop recently. We have a member who remembers us often. I won't tell you which day.

SHOW SCHEDULES

MINERAL & GEM SOCIETY OF CASTRO VALLEY

Newark, Ca

March 4-6th; Fri.& Sat. 10-6pm, Sun. 10-5pm

Newark Pavilion, 6430 Thornton ave

Cathy Miller 510-887-9007

www.mgscv.org

MOTHER LODE MINERAL SOCIETY, MODESTO

Turlock, Ca

March 12-13;10-5pm daily

Stanislaus County Fairgrounds,

900 N. Broadway

Bud & Terry McMillin 209-524-3494

Bud.mcmillin.b7yj@statefarm.com

www.turlockgemshow.com

CALAVERAS GEM & MINERAL SOCIETY

Angels Camp, Ca

March 26th-27th; Sat. 10-5pm. Sun. 10-4pm

Calaveras County Fairgrounds,

101 Frogtown Rd.

Robin Williams 209-728-8277

robinski@yahoo.com

www.calaverasgemandmineral.org

ROSEVILLE ROCK ROLLERS

Roseville, Ca

March 26-27th; Sat. 10-5 & Sun. 10-4pm

Roseville(Placer County) fairgrounds

800 All America City Blvd.

Gloria Marie 916-216-1114

gloriarosevillerockrollers@gmail.com

www.rockrollers@gmail.com

MARIPOSA GEM & MINERAL SOCIETY

Mariposa, Ca

April 9th -10th; Sat. 10-6pm, Sun. 10 - 4pm

Mariposa County Fairgrounds

5005 Fair grounds rd. (so. Of hwy 49)

Martin Fodin 209-742-4036

martin@safarigold.com

www.camineralmuseum.com

SANTA CLARA VALLEY GEM & MINERAL

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SOCIETY

San Jose, Ca

April 16th - 17th; 10-5pm daily

Santa Clara County Fairgrounds

334 Tully Rd.

June Harris; 408-265-1422

info@scvgms.org

www.scvgms.org

AMADOR COUNTY GEM & MINERAL SOCIETY

Jackson, Ca

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

Kennedy Mine

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

Gaylene Lichty; 209-245-5388

Mountaingirl@volcano.net

www.amadorgemandmineral.org

STOCKTON LAPIDARY & MINERAL CLUB

Lodi, Ca

September 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

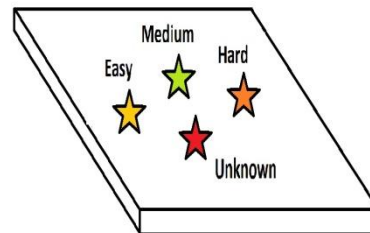
GEM OF THE MONTH

No Gem this month.

BRAD SMITH BENCH TIPS

IDENTIFYING UNMARKED SOLDERS

There are plenty of ways to mark your sheet or wire solders, but suppose you forgot to mark them and have a couple that you can't identify. The answer is to compare the melting temperature of the unknowns with that of a known solder. What I do is take a thick scrap of copper or nickel and arrange several solders on it. Ideally, I would have a sample of easy, medium and hard known solders surrounding the unknown solder. Then I heat the plate from the bottom and watch the order in which the solders melt.



INEXPENSIVE ELECTRIC WAX

File the tip of the soldering iron into the shape you prefer or even better get a soldering iron with replaceable tips. Then you can make several tip shapes for different tasks. Set the dimmer control just hot enough to melt the wax without producing any smoke.

A tip design that I find ideal for some work is a length of small gauge wire that lets me reach in around the model to melt some wax. The wire is about 15mm long and 18 or 20 gauge. To conduct heat all the way to the tip, I use Sterling wire and silver

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solder it into a hole on the end of a copper or brass rod that will fit into the soldering iron.

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



Aquamarine March Birthstone

KIDS KORNER

Rocks, Paper, Plastic!

By: **Isabelle Bennette, 11 years old**

As members of the Castro Valley Mineral and Gem Society, we all share an interest in stones and metal. We use both of these materials in many different ways - to create various types of jewelry, complicated pieces of art, and simple polished stones. However, most of us don't realize how important stones and metals have been in the development of mankind. Stones and metals have been used by humans for thousands of years in the creation of civilizations around the world. In the beginning, we used stone and wood, made by nature's forces to create something strong for all those intelligent enough to use. Then, we found metal and learned how to use it in different ways, but we still found uses for stone. During the last century, plastic was discovered and

became the material of choice for many different situations.

Scientists believe that stone tool-making became a survival skill about 3.4 million years ago. *Australopithecus Afarensis*, one of our early ancestors, used stone tools made of obsidian to hunt, cut meat, and open bones for nutritious marrow. These stone tools helped us to not only kill large animals, and the meat from these kills helped early man to grow and reach the top of the food chain. Historians have found proof of such objects in places like Africa. They are uncertain whether or not early man was able to shape these first stone weapons by hitting one rock with another or if they simply searched for rocks that already had sharp edges. As someone who works with stones, I know how hard it must be to try to shape a stone without the aid of a machine.

No one is quite certain when metal tools were first created. However, researchers think that it was most likely in Africa or Asia. The earliest metal tools have been dated to 1500 B.C. The process is thought to be fairly simple and first thought to be an accident. Metal ore was dropped into a fire and transformed what we think of as metal. When the fire was extinguished, they found a piece of strong iron. Metal rings, like the ones that many of our members create in the shop, were thought to have been originated with the Hittites civilization some 6000 years ago. We have used metal to create simple hand tools, weapons, machinery, and to build bridges and entire cities. We still use metal these

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days to make casts for rings and pieces of machinery. And, the process has not changed much for small pieces of jewelry such as those that we make in the shop. Overall, metal has made life easier.

While stones and metal are still commonly used in modern life, plastic has quickly become a bigger part of our lives, often being used in place of stone and metal. In Greek, the word plastic means, able to be molded. Alexander Parkes, an Englishman, invented plastic or Parkesine in 1855. Parkes wanted plastic to be a durable material for construction that would be easy to mold when hot, and strong when cooled. He showcased his new invention in Paris, 1864 at the World Fair in France. Although he did not get rich for the very useful alloy, many have tried to recreate his invention to find similar blends. Alexander used oil to create the everyday product that mankind uses worldwide. Even now, we find uses for plastic, but not all of them are for good. For example, people use plastic to make fake pieces of jewelry instead of showing their hand carved pieces of jade, tigereye, and other kinds of precious stones.

The change from one kind of substance to another throughout history can be noticed in all subjects, including jewelry making. When men used jewelry for ceremonial uses, there were simple things like cords and hollowed out shells to thread the cords with. In the time of metal, we used gold and precious minerals like diamonds and rubies to show our social ranking. Now, many people turn to plastic to

make a living in the jewelry making industry for the material makes their pieces easier to create, and it is cheaper compared to the nature-made stones we use. We also use it for making things like bottles, CDs and many others. I hope gems and minerals will always be a part of human evolution, but I think that plastic will continue to grow in place of stones and metal.



THE IDES OF MARCH ARE UPON US



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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

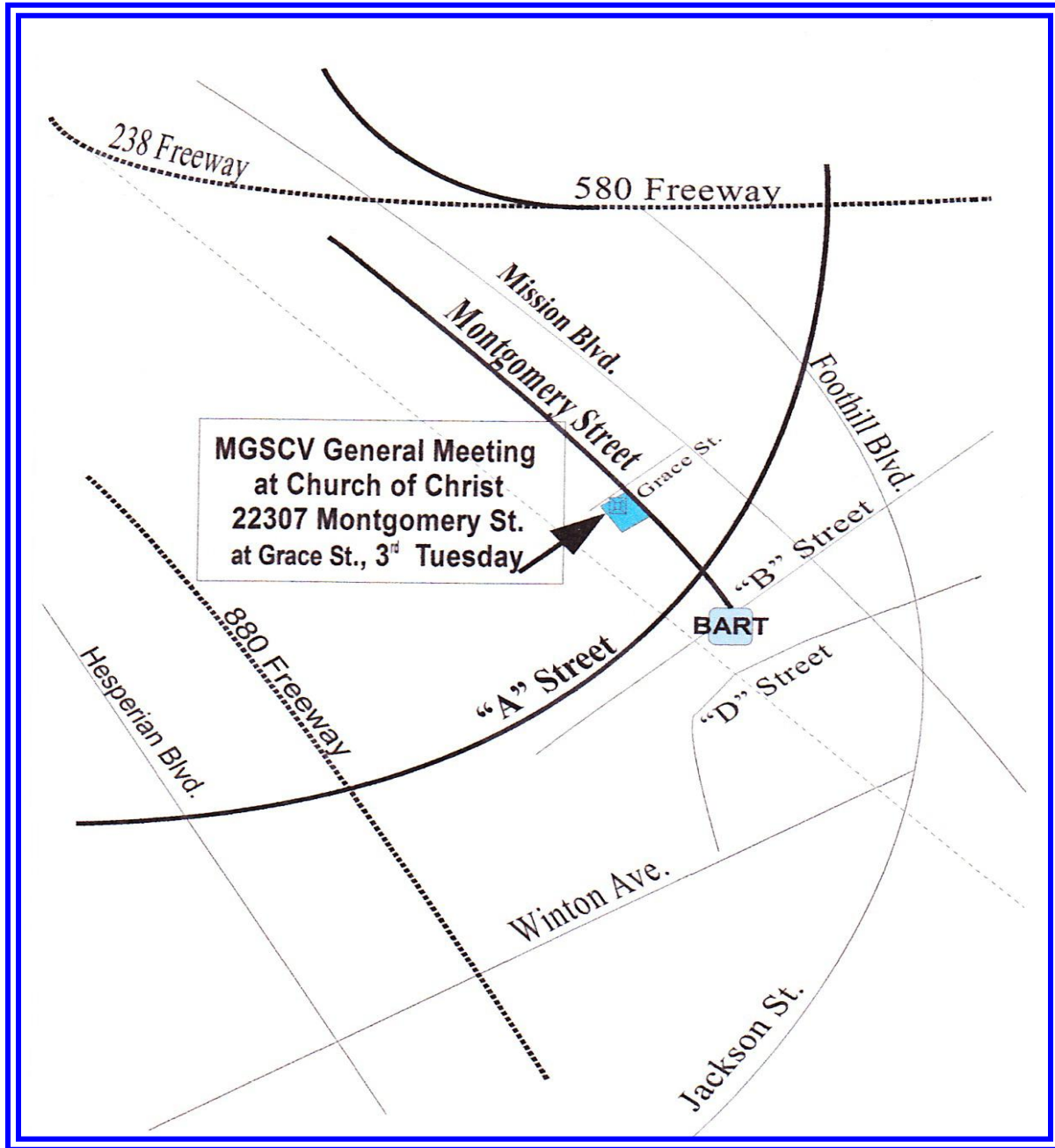


SHOP NOTICES:

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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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

_____ Single - \$45 _____ Junior (11-17 with adult) - \$1 _____ Single - \$35

_____ Couple - \$80 _____ Junior (11-17 without adult) - \$5 _____ 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).

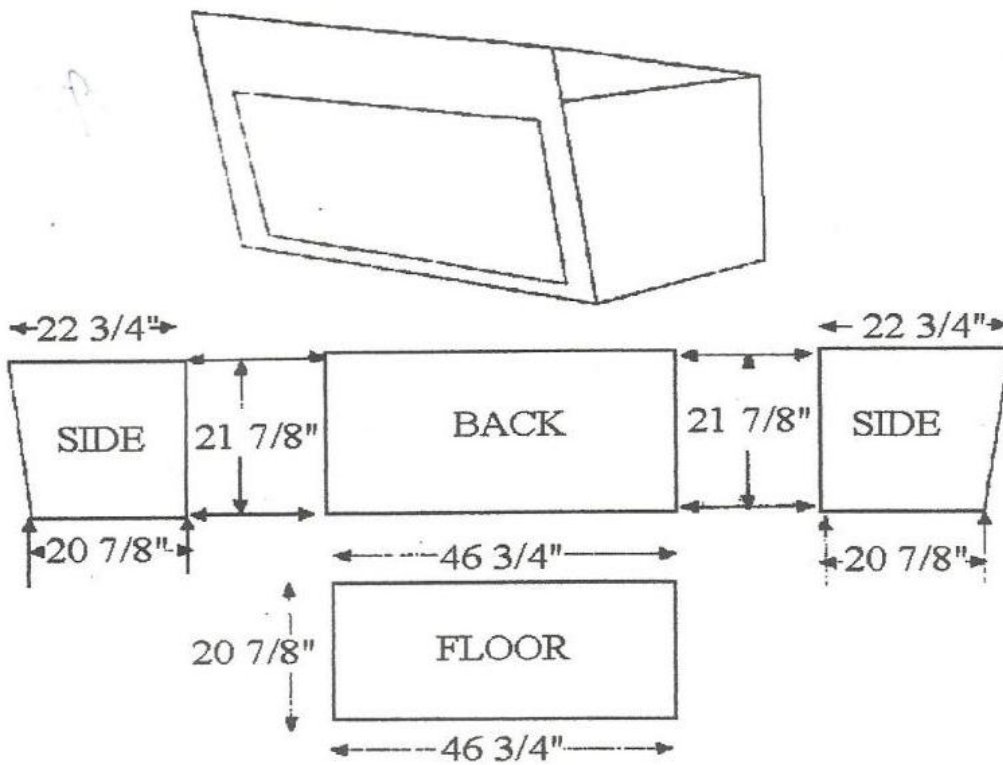
Members Signatures: _____

Mail to – MGSCV, Attn: Membership Chair, P.O. Box 2145, Castro Valley, CA 94546

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For those of you that are interested in putting in a display case at our show, call Norm Hodgson at 510-744-1564. You must set the case up on Thursday afternoon or early evening. The dimensions for the case are below. Following on the next page is the application for a case to be turned into Norm Hodgson

CLUB SHOW CASE



Dimensions Shown are Inside Dimensions

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An Invitation to Members & Friends of MGSCV
SHOW EXHIBIT APPLICATION

Business cards or mention of personal businesses are not acceptable for display in any case at the show

Your

Name: _____

Your

Address: _____

City: _____

Phone Number: _____

Member of _____

I will exhibit _____ cases _____

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

Exhibit only _____ Competition _____

I have a case. _____ Slant front _____ Upright _____ Dimensions
H _____ W _____ D _____

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

Describe contents 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 each year.

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

Please return this form to the address below.

Norm Hodgson

P.O. Box 2665, Fremont, Ca 94536

If you have any questions call Norm directly: 510-744-1564