



CLUB NOTES



The next Board Meeting will be **Saturday, January 14th at 3:00 PM at the shop**

The general meeting will be **Saturday, January 21st at 3:00 PM at the church (see map on page 16)**. Greg will give a talk on climate change and carbonate minerals (see page 3).

Members and non-members are all welcome at the general meeting. There will be door prizes and a silent auction.

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

Bulletin Submission Policy

Submission deadline is the last day of the month. Anonymous contributions will not be considered, but if requested, the contributor's name can be withheld. Members are encouraged to submit articles that may be of interest to the general membership. The Editor reserves the right to edit or omit any submitted articles. Sources must be cited for material quoted from other authors. Permission to reprint Petrograph articles is hereby granted provided properly cited.

2023 MGSCV Officers

Elected

President - Neil Delfino	President@mgscv.org
Vice President - Greg Croft	VP@mgscv.org
Secretary - Rosita Croft	Secretary@mgscv.org
Treasurer - Kim Taylor	Treasurer@mgscv.org
Director - Phil Gross	Director1@mgscv.org
Director - Norm Hodgson	Director2@mgscv.org
Director - Dylan Dantzig	Director3@mgscv.org
CFMS Director - Beth Farmer	Federation@mgscv.org
Shop Manager - Beth Farmer	ShopManager@mgscv.org
Show Chairman - Cathy Miller and Joseph Alvarado	ShowChair@mgscv.org
Membership - Tony Cooper	membership@mgscv.org
Petrograph Editor - Greg Croft	Editor@mgscv.org
Past President - Jodi Minshall	pastpresident@mgscv.org

Appointed

Scholarship Chair - Greg Croft	
Librarian - Norm Hodgson and Lily Johnson	
Historian - Norm Hodgson	
Purchasing Agent - Beth Farmer	
Education Coordinator - Lily Johnson	
Sunshine Reporter - All members	
Door Prizes - Neil Delfino	
Web Master - Dylan Dantzig	webmaster@MGSCV.org
Communications - Cathy Miller	

Letter from the President

January 2023

By Neil Delfino

We had a good turnout for the Christmas Lunch. Nearly 1/3 of the members were there and enjoyed ham, sausages and barbequed tri-tip. The 3lb 6oz Variscite was raffled, and we made some money for the shop. There were 60 plus silent auction items and about 50 of them sold. Again, we made some money for the shop. Nobody bid on the set of six polished Brazilian agate slabs. They will be auctioned as single slabs in future silent auctions.

I would like to see a greater number of members attending the general meetings. Do we need to go back to third Tuesday evening general meetings?

Now is the time to renew your memberships. We need everybody to renew as soon as possible. The dues will keep us going for a few months, while we prepare for the annual show in March.

Please sign up for the various tasks/jobs for the show. More people are needed to take on the work for the show. Remember that show work

is part of your membership requirements.

Have a happy and prosperous new year.

2023 Show Notes

Cathy Miller

The show is coming in two short months. We need help on many tasks; the sign-up book is in the shop and will be available at the January and February meetings.

Climate Change and Carbonate Minerals

By Greg Croft

When you read about man-made climate change, it is usually in the context of alternative energy. There is also growing interest in disposing of carbon dioxide because emission reduction targets have not been met. Most of the proposed carbon sequestration projects, such as Exxon's project offshore Houston, involve injecting carbon dioxide into the pore space of underground rock formations, which are usually sandstone.

Another approach is to convert carbon dioxide into carbonate

minerals. Geologists know that carbon dioxide levels in the distant geologic past were several times higher than they are today. Some of that carbon was absorbed by living things and became the fossil fuels we use today, but more of it ended up in carbonate minerals such as calcite. The best rocks to absorb carbon dioxide are dark volcanic rocks such as can be seen in Hawaii or Iceland. The CarbFix project in Iceland is a small-scale mineralization project. Olivine and calcium-rich plagioclase feldspar in the rock react with the dissolved carbon dioxide to produce calcite (calcium carbonate) and ankerite (calcium-iron carbonate). The advantage of mineralization over injection is that the carbon dioxide is converted to a solid, eliminating the need for post-injection monitoring.

MGSCV January Shop Report:
By Beth Farmer

Happy New Year! The beginning of a year means that many rhythms are reset. For our club we know that January brings us closer to our annual show. Please figure out what you will do to make it a success, and put your name in the Show Binder (at the shop) or leave a message at

510.887.9007 for a Shop Supervisor to fill in your offering inside the book. Membership dues are also due. Please grab a paper form at the shop or download a copy from the monthly Petrograph and mail it to PO Box 2145, Castro Valley 94546 with cash or check, AND if you have a locker at the shop, drop \$15 into the safe to cover rent. Put your name on the envelope so we can give you credit. I will be putting a sticker on your locker to keep track of compliance. We are offering a donated modern cab station for sale. We also have (2) 8" trim saws for sale, and some larger saws. See the classified section. If you are interested in putting together your personal workshop, contact me! Come to the shop and enjoy your hobby!

Board Meeting Minutes
December 10, 2022,
By Rosita Alvarez Croft

The meeting was held live at the shop. It was called to order at 3:00 pm by **Neil Delfino**. There were 5 Board members in attendance: **Neil Delfino, Beth Farmer, Greg Croft, Cathy Miller, Sheryl Cooper** and 2 guests: **Phil Gross** and **Dylan Dantzig**.

Meeting minutes from the previous Board meeting were reviewed. **Sheryl Cooper** moved the minutes be accepted as printed in the Petrograph with **Phil Gross** seconding the motion. A vote on the motion was taken and was passed unanimously.

The next General Meeting will be on Saturday, December 17th at the Church. It will be the annual Christmas Potluck lunch meeting. The doors will open at 11 am and lunch will be served at 12 noon.

Members should bring items to the December General Meeting for "Show and Tell" instead of a regular presentation.

Committee Reports:

Vice President: **Greg Croft** would like to do a presentation on Carbon Sequestration at the January General meeting.

Scholarship Chairman: **Greg Croft** is waiting to see if we will have funding for the Scholarships before sending out the notification to CSUEB. **Neil Delfino** suggested we wait until after the show to contact CSUEB this would allow us to see where we stand financially. We could award the scholarship(s) in April or May instead of February.

Treasurer: **Sheryl Cooper** has contacted the Newark Pavilion and is waiting for a response regarding the deposit they require for the show. We currently have enough money to get us through the 2023 show.

The treasurer's reports for October and November were reviewed. **Beth Farmer** moved the reports be accepted with **Greg Croft** seconding the motion. A vote on the motion was taken and was passed unanimously.

Procurements Report: Nothing to report

Purchasing Agent: Nothing to report

Membership Coordinator: **Sheryl Cooper** provided an updated membership list and we currently have 84 members. The list will be updated again after the first of the year when the new membership year begins and fees are due.

Shop Manager: One Genie is still out of service. **Phil Gross** rebuilt the bearings on one of the saws and it is usable now.

Someone is donating a Genie that needs to be refurbished. **Beth Farmer** will sell it once this has been done. She has not received any bites on the saws listed for sell, she is going to be posting them elsewhere.

Neil Delfino knows someone who wants a 6" saw.

Locker fees are now \$15 per year and are due in January.

Librarian: Not present

CFMS Representative: **Beth Farmer** needs to send them a list of members who would like to receive their newsletter.

Show Chairman: **Cathy Miller** has the Show sign-up binder ready. **Dennis Freiburger** (GIA Identification booth) will be in the Demo room. **Rosita Croft** will take care of the Demos and display cases. We would like to use the small kitchen. We also found out the City of Newark does not need a deposit and the Fire Marshall only requires a permit.

Beth Farmer reported that the dealer spots are moving well and we have some new dealers this year.

Tereza Cihelkova and **Aerik Martin** want to have their own booths. They will need to get their own city permits and they will have to pay taxes.

Lily Johnson has contacted lapidary magazines and they have us listed on their calendars. **Greg Croft** will post it in the NCGS Newsletter. **Cathy Miller** mentioned that The Tri Valley and some of the news channels will post our show on their calendar if we contact them. **Neil Delfino** will email a Mineral dealer contact of his.

Mark Whittier from Rocks and Minerals passed away and **Cathy Miller** is not sure if his wife will be doing the show this year. We may also only have one fluorescent dealer this year so we need to figure out how to block the light from the entrance. We still have outstanding bills from last year's dealer setup and dinner.

Neil Delfino thinks we should acknowledge our members who make donations. **Beth Farmer** paid for the door replacement at the shop. **Cathy Miller** is including a list of positions that are open for the upcoming show.

Greg Croft will talk to NCGS to see if they will run an article about our show in their February monthly newsletter.

Editor: Nothing to report.

Education Coordinator: Not present. There will be no classes in December. Lily Johnson is out sick.

Historian: Not Present. **Norm Hodgson** is taking a look at some of our books to see if we can sell some.

Sunshine Report: Lily Johnson and her mother caught COVID. Norm Hodgson had another stroke.

Old Business: There is still no word on our grant request.

New business: **Dylan Dantzig** listed some rocks on Instagram and had several hits but no one bought

anything. He may have to lower the prices. Maybe we could join some street fairs and setup a booth to promote the club.

Beth Farmer suggested we make some show fliers in Chinese and possibly Spanish to advertise our show. We could post them in libraries and online.

Neil Delfino reminded us about the upcoming Board member elections. **Phil Gross** and **Dylan Dantzig** were nominated to fill the two open Director positions.

General Meeting Minutes

December 17, 2022

By Rosita Alvarez Croft

The Annual Christmas lunch started at 12 noon and the actual General meeting was called to order at 1:10 pm by **Neil Delfino**. It was held in person at the Church. There were 24 club members and 2 guests: **Lisa Taylor** and **Barbara Ganitch**.

Meeting Minutes: Meeting minutes from the previous General Meeting were reviewed. **Norm Hodgson** moved the minutes be accepted as printed in the Petrograph with **Phil Gross** seconding the motion. A vote on the motion was taken and was passed unanimously.

Announcements: Many thanks to **Beth Farmer** who paid for the \$750.00 door replacement out of her own pocket as a donation to the club. The Christmas raffle yielded \$226.00 and the silent auction and tool sales yielded another \$349.50.

Mathew Jamison was the raffle winner. Congratulations!

Today we had "Show and Tell" instead of a presentation:

- **Neil Delfino** shared an Aquamarine crystal from near Jos, NE Nigeria.
- **Greg Croft** brought a mariposite rock from Old Harvard Mine road near Jamestown. Gold mines were opened there.
- **Beth Farmer** shared a piece of jade from a beach near Hokitika, New Zealand.
- **Lily Johnson** shared a calcite crystal encased in smaller calcite crystals.
- **Amy Marks** brought in a piece of microcrystalline quartz encasing a larger quartz vein from Crystal Peak.
- **Dylan Dantzig** shared a piece of brecciated jasper from Sausalito.
- **Joseph Alvarado** presented a desert rose composed of gypsum and barite.

- **Tristan Wasley** shared his ongoing project consisting of chess pieces made of green jasper.
- **Mary Arbogast** shared a nephrite jade bookend.
- **Norm Hodgson** brought a piece of nephrite jade from Lake Baikal, Russia.
- **Phil Gross** has been working on carving replicas of Native American fishing hooks out of marble and obsidian.
- **Cathy Miller** shared her father's assorted cabochon collection.

Thank you everyone! This was very interesting.

Committee Reports:

Vice President: **Neil Delfino** and **Greg Croft** attended Chevron's Annuitant lunch and distributed lots of fliers for our show.

Scholarship: The Board decided to defer the scholarship until after the show. This way we will have a better idea of where we stand money wise. If we have enough funding, we will award the scholarship(s) in April or May.

Show Report: **Cathy Miller** and **Bonnie Andrade** have a show volunteer sign-up binder. After this it will be at the shop. Every member is

required to volunteer at least 6 hours per year. We need volunteers for security, admissions, the spinning wheel, setup and breakdown, etc. We will have an evening shift from 5 to 8 pm to finish up day shift duties. Reminder, we are selling business card size sponsor spots in our show program for \$30.00. **Beth Farmer** is contacting the vendors but if anyone knows of a business who might want to advertise, they can buy a spot too. We would like to have a club table setup in the demo room to promote club membership.

We could use more auction items and are thinking of having silent auctions every 1-2 hours throughout the show day.

Beth Farmer reported that we have filled the booths with the exception of four large booths. She is considering breaking them into smaller booths if we cannot fill them as they are.

Lisa Taylor has volunteered to print fliers for the show. **Neil Delfino** and **Cathy Miller** have jpg files they can send to people if they would like to print or post them online.

Rosita Croft posted the show on the Castro Valley Patch calendar, **Phil Gross** posted it on the Rockridge and Berkeley Patch, **Lily Johnson** posted

on the Hayward Patch and **Debra Gilmore** posted it on the Alameda Patch and Alameda Nextdoor. If anyone who lives in a different area would like to post it and needs help doing so, please let **Rosita Croft** know. There is no charge to post it if we live in the specific area.

Joseph Alvarado suggested we help the Boy Scouts earn their badges by having them participate in the show. Apparently, they have three badges involving rocks and minerals.

Cathy Miller was told we could contact some of the other clubs in the area if we needed help setting up at our show.

Joseph Alvarado suggested we sign up for Amazon Smile. Amazon will donate a percentage of sales to non-profits that have a 501 3c.

Shop Manager: **Beth Farmer** and **Phil Gross** rebuilt one of the saws and are still working on another. The Genie is still being worked on.

Treasurer: Not present. We have enough left to get us through to the show.

CFMS Representative: Nothing to report.

Editor: Nothing to report.

Membership Chairman: Not present. We believe we currently have about 84 members.

Education Coordinator: We are winding down. Any ongoing classes will continue. **Lily Johnson** will be putting up new class schedules after the New Year.

Sunshine Report: Norm Hodgson is feeling better.

Librarian: Library is full of interesting books.

Old Business: We do not have an update on the grant application.

New Business:

The new officers were nominated and elected:

President: **Neil Delfino**

Vice President: **Greg Croft**

Shop Manager: **Beth Farmer**

Secretary: **Rosita Croft**

Show Chair: **Joseph Alvarado**

Treasurer: **Kim Taylor**

Membership Chair: **Tony Cooper**

Editor: **Greg Croft**

Purchasing Agent: **Beth Farmer**

CFMS Representative: **Beth Farmer**

Past President: **Jodi Minshall**

Director 1: **Phil Gross**

Director 2: **Norm Hodgson**

Director 3: **Dylan Dantzig**

Appointed:

Scholarship Chair: **Greg Croft**

Librarian: **Norm Hodgson and Lily Johnson**

Historian: **Norm Hodgson**
Purchasing Agent: **Beth Farmer**
Education Coordinator: **Lily Johnson**
Sunshine Reporter: **All members**
Door Prizes: **Neil Delfino**
Web Master: **Dylan Dantzig**
Communications: **Cathy Miller**

Norm Hodgson moved the officers be accepted as nominated and **Amy Marks** seconded the motion. A vote was taken and was passed unanimously. The shop will be closed on December 25th. Cathy Miller will not be in the shop on December 28th and January 4th.

California Show Schedule

January 21-22, 2023 - Exeter, CA
Tule Gem and Mineral Society
Exeter Memorial Building, 324 North Kaweah Ave., Exeter, CA 93221
Hours: Saturday 10 AM - 5 PM,
Sunday 10 AM - 4 PM
Tule Gem and Mineral Society
Gemboree
Contact: (559) 799-6034,
margaretbu03@gmail.com
Website: <http://www.tulegem.com>

February 18-19, 2023 - Antioch, CA 94509
Antioch Lapidary Club

Contra Costa County Fairgrounds,
1201 West 10th St. Antioch, CA
94509
Hours: 10 AM to 5 PM Saturday and
Sunday
Jewelry, Gems, Findings, Supplies,
Auction, Grab Bags, Exhibits and
hands on projects for kids
Contact: (925) 301-6957,
edysnyder@gmail.com
Website: <http://www.antiochlapidaryclub.com>

February 25-26, 2023 - Vallejo, CA
Vallejo Gem and Mineral Society
Solano County Fairgrounds,
McCormack Hall, 900 Fairgrounds
Drive, Vallejo, CA 94589
Hours: 10 AM-5 PM
Gems, geodes, fossils, beads and
minerals from around the globe.
Discover lapidary and stone crafts
from vendors and live demonstrations.
Something for everyone! Silent
auction, geode cuttings, and games of
chance and discovery for kids!
Contact: (415) 254-1506,
ddahonvgms@gmail.com
Website: <http://vjgems.co/>

Classifieds

All members may post classified ads. Set-up fees for classified ads are as follows:

- \$5.00 for text-only
- \$15.00 for text and one photo
- \$20.00 for text and two photos

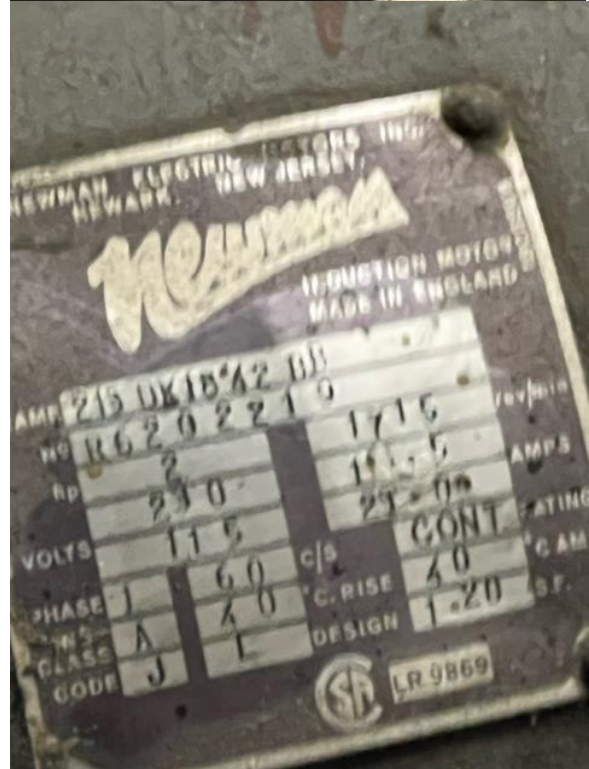
An ad will run for three issues if the item does not sell.

36 Inch Diamond Saw

MGSCV is selling its 1980's era Highland Park 36" saw. This saw is in excellent shape, comes with a spare blade, external lubrication system, 220V 2 Hp motor. Moving will require a lift gate box truck, relocation is buyers responsibility. \$8,000, Contact Beth Farmer, ShopManager@mgscv.org



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36-inch Saw

Trim Saws

Two Star Diamond 6-inch trim saws
with motors, \$350 each
Contact Beth Farmer,
ShopManager@mgscv.org



Trim Saw

Shop Notes

(All shop sessions are members-only, except for the open house)

Shop Schedule:

Monday	Closed, looking for a lapidary instructor
Tuesday	Closed, need daytime supervisor
Wednesday	Lapidary - Cathy Miller, 11 AM to 2 PM, Beginner's Night - Beth Farmer, 6 PM to 9 PM Faceting - Kurt Schultz, 6 PM to 9 PM Library open 11 AM to 12 noon
Thursday	Lapidary - Phil Gross 8:30 AM to 1:00 PM Teresa Taniguchi, Lost Wax, by apt. Metalwork - Lily

Our shop: 20948 A Corsair Blvd
 Hayward, CA 94545
 (510) 887-9007

	Johnson, 6 PM to 9 PM
Friday	Closed
Saturday	Morning lapidary - Phil Gross, 8:30AM to 1:00 PM Library open 10 AM to 12 PM.
Sunday	Lapidary - Lily Johnson, 9:30 AM to 12:30 PM

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January 2023 Shop Schedule						
Sun	Mon	Tues	Wed	Thurs	Fri	Sat
1 Closed	2 Closed	3 Closed	4 Lapidary: Closed 11 am - 2 pm, Beginner's night: 6 - 9 pm Beth Farmer, Beginning Intarsia: 6 - 9 pm Beth Farmer Faceting: 6 - 9 pm Kurt Schultz Library open: 11 am - 12 pm	5 Lapidary: 8:30 am - 1 pm Phil Gross, Lost Wax: by apt., via Zoom Teresa Taniguchi, Metalwork: 6 - 9 pm Lily Johnson	6 Closed	7 Lapidary: 8 am - 12 pm Phil Gross, Library open: 10 am - 12 pm
8 Lapidary: 9:30 am - 12:30 pm Lily Johnson	9 Closed	10 Closed	11 Lapidary: 11 am - 2 pm Cathy Miller Beginner's night: 6 - 9 pm Beth Farmer, Beginning Intarsia: 6 - 9 pm Beth Farmer Faceting: 6 - 9 pm Kurt Schultz Library open: 11 am - 12 pm	12 Lapidary: 8:30 am - 1 pm Phil Gross, Lost Wax: by apt., via Zoom Teresa Taniguchi, Metalwork: 6 - 9 pm Lily Johnson	13 Closed	14 Lapidary: 8:30 am - 1 pm Phil Gross, Library open: 10 am - 12 pm
15 Lapidary: 9:30 am - 12:30 pm Lily Johnson	16 Closed	17 Closed	18 Lapidary: 11 am - 2 pm Cathy Miller Beginner's night: 6 - 9 pm Beth Farmer, Beginning Intarsia: 6 - 9 pm Beth Farmer Faceting: 6 - 9 pm Kurt Schultz Library open: 11 am - 12 pm	19 Lapidary: 8:30 am - 1 pm Phil Gross, Lost Wax: by apt., via Zoom Teresa Taniguchi, Metalwork: 6 - 9 pm Lily Johnson	20 Closed	21 Lapidary: 8:30 am - 1 pm Phil Gross, Library open: 10 am - 12 pm
22 Lapidary: 9:30 am - 12:30 pm Lily Johnson	23 Closed	24 Closed	25 Lapidary: 11 am - 2 pm Cathy Miller Beginner's night: 6 - 9 pm Beth Farmer, Beginning Intarsia: 6 - 9 pm Beth Farmer Faceting: 6 - 9 pm Kurt Schultz Library open: 11 am - 12 pm	26 Lapidary: 8:30 am - 1 pm Phil Gross, Lost Wax: by apt., via Zoom Teresa Taniguchi, Metalwork: 6 - 9 pm Lily Johnson	27 Closed	28 Lapidary: 8:30 am - 1 pm Phil Gross, Library open: 10 am - 12 pm
29 Lapidary: 9:30 am - 12:30 pm Lily Johnson	30 Closed	31 Closed				



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.



**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
_____ 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 (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 _____ 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: _____