

CULVER CITY ROCK AND MINERAL CLUB



November 2016



**Monday, Nov 14, 2016
6:30 pm Executive Meeting
7:30 pm Diedre: Copper Doctor
Culver City Senior Center
4095 Overland Avenue
Room B-47**

Visitors Welcome

NOVEMBER 14 PROGRAM DIEDRE: THE COPPER DOCTOR

Join us as we learn how ordinary and industrial objects can be transformed into unique jewelry and fabulous one-of-a-kind art.

Deidre, "The Copper Doctor," takes recyclable everyday industrial objects (nails, screws, security door mesh, electrical lugs, cable swags, bike chains, refrigerator and sprinkler tubing) and fashions mesmerizing original jewelry and works of art.

Deidre's beautiful creations utilize garage tools, computer numerical control, machining, photo chemical etching, hydraulic stamping press, casting, water jet cutting machine and engravers to adapt these items into eye catching, health advancing jewelry. She earned the name "The Copper Doctor" based on the folk wisdom that copper possesses curative powers as a remedy for arthritis. Her mission is to provide healing relief while creating a beautiful piece of wearable art.



Save the Date!

**Annual
White Elephant
Holiday Party**

**Monday, Dec. 12, 2016
Culver City Rotary Plaza
5100 Overland Avenue**



PRESIDENT'S MESSAGE

Hello fellow Club Members and rock hounds, Thank you to all who stepped forward and volunteered to serve the club in 2017 as officers and committee chairs. Every position is a big job and is an opportunity to serve our community by providing education and hands on experience in geology and the lapidary arts.

I personally hope their service to our Club is a good example to others and inspires members to step forward in the future and help further our mission. This is everyone's club and is always made better with contributions from our wonderful diversity of members and guests.

A vote of acclamation is scheduled at the upcoming meeting for each of the officer positions.

My favorite time of year approaches and with the changing seasons come the chance to reflect on the past year, catch up with old friends, meet new ones and of course celebrate the Holidays with family.

I hope everyone can join us on Monday, Dec. 12 for our annual Holiday Party at the Culver City Rotary Plaza at 5100 Overland Avenue. Please mark your calendar and keep an eye out for your favorite white elephant gift to contribute to the party. It is always a fun time and a great way to get to know your fellow members.

Again, thank you to all our members who serve the club. Here's wishing everyone a happy "All Hallow's Eve." See you at our next meeting on Nov. 14, featuring The Copper Doctor!

Darrell Robb
President

2017 ELECTED OFFICER CANDIDATES

- President: Darrell Robb
- Vice President: Steve Dover
- Treasurer: Franne Einberg
- Recording Secretary: Anna Maria Guimaracs
- Corresponding Secretary: Jan Ferguson
- Parliamentarian: John Hjorth

The list of Chairpersons appointed by the president will be published in a later edition of the Nugget.

MINERAL REPORT: DIOPTASE



Diopside gets its name from its visible cleavage directions, as its name comes from the Greek words for "to see" (optasia) and "though" (dia).

Ranging in color from emerald-green to blue-green, due to its copper content, diopside exhibits streaks that are also green. It can be transparent or translucent, with a vitreous to sub-adamantine luster. It ranks as a 5 on the Mohs scale of hardness, but is very fragile. It has a brittle tenacity and a conchoidal fracture. Diopside crystallizes in the trigonal system, in point group 3-bar. It is a positive uniaxial mineral, with high surface relief and weak pleochroism.

It is found in dry climates, mainly in desert regions. Fine specimens have been found in Namibia and Kazakhstan. In the United States, the finest localities are in Arizona, and in California near Mammoth and Hayden. Diopside is often associated with chrysocolla, malachite, wulfenite, fluorite, and quartz.

It has historically been used as a pigment. Traces of diopside have been found on Neolithic plaster statues discovered in modern-day Jordan, which date to roughly 7200 BC. It was also used as a green pigment for some Russian icons. While too fragile for everyday wear, diopside is sometimes cut into small gems.

Minda Moe
Mineral Chair



Images courtesy of Rob Lavinsky and iRocks.com



Photography by Jan Ferguson



David Bunch's impressive collection of jade complemented his knowledge and expertise.

SHOP NEWS

Shop schedule

Check our website, culvercityrocks.org, for scheduled open time and last minute information, or call the Shop (310-836-4611) after the scheduled opening time to confirm that an instructor has arrived.

Water management and disk changing on the small flat lap

In last month's Shop report I mentioned mishandled water feed and/or disk changing. Now for some details.

The machine tolerates a wide range of water feed rates, provided that the drain remains open and the flow carries off the minute rock chips. Trouble typically occurs when changing disks. While the disk is loose or removed, if the water is allowed to fall on the bare spindle or the gray raised center area around it, the water can enter the motor and electronic control area of the machine. The result is the destruction of these components. While I did improve the water resistance, the seal is not perfect. So, what to do?

Turn off the water supply when changing disks and spin them at high speed to throw off water before removal. Or move the water supply tube outlet away from the central area and into a position two or three inches from the central area. Even better, do both. When the disk is loose or off the machine, prevent water from getting into the area near the spindle.

Parking

Limited parking in back of the shop is open for use. Park on the asphalt, off the alley concrete to avoid a parking citation. Please respect the space reserved for the shop instructor next to the paddle tennis court. Additional parking is available in front of the Scout House.

PROGRAM REPORT: JADE October 10

October's program featured David Bunch who has been diving for jade since 1964. Mr. Bunch described how jade has been revered by the Chinese since 2950 BC, before the Europeans made tools out of jade around 2000 BC. Jade was valued more than gold by the indigenous peoples of South and Central America and is also present in the South Pacific civilizations.

Structured by intertwined fibers, jade is almost as strong as steel, it does not scratch and it is smooth when it is worn. There are two types of jade. Jadeite or imperial jade is made of silicon, aluminum and iron. It is translucent and more coveted than nephrite, which consists of calcium, magnesium and iron. Jade comes in a variety of colors such as gray, blue, green, yellow, white, pink, lavender, black among others.

In North America, jade is found in Alaska, British Columbia and along the central and north coast of California. Mr. Bunch displayed several jade specimens from his collection, many of which he harvested himself from the Jade Cove in Sand Dollar Beach, CA. He said the south cove contains better quality jade than the north cove. The jade is found in 10 to 20 feet of water and is accessible above water at low tide.

Mr. Bunch brought an impressive collection of jade specimens and carvings to show.

Submitted by Ana Maria S. Guimaraes
Recording Secretary

On behalf of the Shop Committee,
Bruce Mensinger

NOVEMBER WORKSHOPS



Rivets, Tabs and Cold Connections

Saturday, Nov. 19: Noon – 4 pm

At CCRMC Shop, CCRMC members only

Design and construct your own bracelet and pendant! Learn creative techniques for assembly without soldering. Check the website: culvercityrocks.org for complete workshop information and cost or email: workshops@culvercityrocks.org.

Beginning Lapidary

Sunday, Nov. 20: 9 am – Noon

At CCRMC Shop

**Limited to 3 participants,
CCRMC members only**

Fee: \$20 includes material

Hands-on individual instruction.

Take a rough slab through sawing, grinding and polishing to



create your own beautiful ready-to-set cabochon!

Reserve your spot by emailing: workshops@culvercityrocks.org to receive instructions on pre-paying your reservation.



NOVEMBER / DECEMBER SHOWS

November 5 - 6: ANAHEIM, CA

American Opal Society

Business Expo Center, 1960 S. Anaheim Way

Sat 10 - 6; Sun 10 - 5

Contact: Veronica Purpura, (714) 509-9959

Website: www.opalsociety.org/

November 5 - 6: RIDGECREST, CA

Indian Wells Gem & Mineral Society

Desert Empire Fairgrounds, 520 S Richmond Road
9 - 5 daily

Contact: John DeRosa, (760) 375-7905

Email: jfrocks@dslextreme.com

November 5 - 6: SAN DIEGO, CA

San Diego Mineral & Gem Society

Al Bahr Shrine Center, 5440 Kearny Mesa Blvd

Sat 9:30 - 5:00; Sun 10:00 - 4:00

Contact: Bob Hancock, (619) 889-6886

Website: www.sdmg.org

November 12 - 13: SACRAMENTO, CA

Sacramento Mineral Society

Scottish Rite Temple, 6151 H Street

Sat 10 - 5 daily

Contact: Alyssa Mesiznger, (916) 662-5819

Website: <http://sacramentomineralsociety.org>

November 12 - 13: YUBA CITY, CA

Sutter Buttes Gem & Mineral Society

Yuba-Sutter Fairgrounds - 442 Franklin Avenue

Sat 10 - 5; Sun 10 - 4

Contact: Katie Slightam, (530) 673-9649

Website: www.sutterbuttes.net

November 19 - 20: OXNARD, CA

Oxnard Gem & Mineral Society

Oxnard Performing Arts Center, 800 Hobson Way

Sat. 10 - 5; Sun. 10 - 4

Contact: Diane Cook, (805) 647-8517

Email: johndianedaisy@yahoo.com

Website: www.oxnardgem.com

December 3 - 4: BARSTOW, CA

Mojave Desert Gem & Mineral Society

Cora Harper Community Ctr., 841 S. Barstow Road

10 - 5 daily

Contact: Danny Watts, (760) 373-1309

Email: dvwatts@msn.com

Website: www.mdgms.net

December 9 - 10: RIALTO, CA

Orange Belt Mineralogical Society

City Hall Lot, 105 South Palm Avenue

9 - Dusk daily

Contact: Jessica Pierson, (909) 381-0089

Email: OBMSTailgateInfo@gmail.com

Website: <http://OBMSrocks.yolasite.com>

FEDERATION REPORT

The California Federation of Mineralogical Societies (CFMS) held their convention last month, along with their show, and in conjunction with the El Dorado County Mineral and Gem Society, and the World Gold Panning Championships (whew, that sounds like a lot!).



After a slow start, Federation directors received their club/societies packet and the meeting began. After the Pledge of Allegiance, establishing a quorum, voting on the minutes from Nov. 2015, the treasurer report, report on the 2015 CFMS show and next year's CFMS show (just like our Officers meeting); we heard reports from all 36 Committees! Most reports were written up in our meeting packet, making it easier than if everyone took 15 minutes to verbally report. There are so many committees because they have the entire state to handle; all of the clubs and societies to govern – plus they have multiple reports depending on if it is a northern or southern California activity – or both CFMS and American Federation of Mineralogical Societies (AFMS) business to discuss.

I CAN report that the CFMS had a positive balance in their bank account so that their Endowment Fund and Scholarship Fund awarded two students with \$2,000 scholarships in a report to the assembly. This may be an area where our Club could make a future donation.

After all report presentations, members discussed issues not in anyone's report. Litter removal whenever a club/society takes a field trip is one such issue. The AFMS has published a *Land Use Policy and Code of Ethics* to abide by when federations are in the field. It seems to be the only organization using BLM land that has such a code to follow – out of all the other users of our desert lands (motorcycles, 4X4s, trucks, campers, etc.). So when collecting while on our desert lands (BLM or not), please bring along a trash bag to fill up when returning to your vehicle at the end of the day.

There are far more stories that I can't get into at this time, but be sure I will remember this trip for years. I also hope to bring some new practices into the Club as the months go on.

Rick Shaffer
Federation Chair

BENCH TIPS

Templates

Whenever I have to make more than one exact copy of anything, I make a template. A template lets me easily draw the shape of an item. Art stores sell templates for common shapes like circles, ovals, hearts, etc. Other sources include cooltools.us/ and kingsleynorth.com/

For nonstandard shapes, it's easy to make your own template. Simply cut the shape out of sheet plastic or thin sheet metal. My preference is brass. I carefully lay out the shape using a steel ruler, a set of dividers, a scribe, and a fine center punch.

The brass template shown in the picture below, lets me quickly trace the design of ginko leaf earrings onto silver sheet. Another is the nickel template for drilling a pattern of holes for pin inlay into wooden handles.

Dental Tools

A good source for free tools is your dentist. Old dental picks can be reworked into wax tools or straightened and sharpened to make a stylus for marking and layout. The steel in these tools is high quality, and the handles are designed for comfort.



A special note however - If you want to modify the shape of the tool, don't try to just bend it with pliers. Working this alloy of steel while it's cold will cause it to snap. Changing its shape can only be done when it's hot. I work it like a blacksmith. Prop your torch up on the bench so that you can use both hands for the work. Have a hammer and bench block ready. Heat the tip red hot, and hammer it straight or bend it with pliers.

And don't forget to ask your dentist for some of the cutting burs they throw out. These are useful for a variety of things. It's best to call a week or two before your visit and ask the dentist or hygienist to put some of these tools aside for you. It's good practice also to ask that they run them through the sterilizer for you. If that's not possible, pop them in an oven at around 250 degrees Fahrenheit.

Excerpted from "*Bench Tips for Jewelry Making: 101 Useful Tips*" by Brad Smith

WELCOME NEW MEMBERS

Chelsea Schafer (*membership pending*)
Gina Ham



With thanks to our members, officers and committee chairs.

GENERAL MEETING MINUTES October 10

The meeting was called to order at 7:43 pm by President Darrell Robb.

The Pledge of Allegiance was made and a quorum was established.

- The September general meeting minutes published in the October Nugget were approved as read.
- Darrell Robb informed the November Meeting would be at the Senior Center at Culver Blvd and Overland. He confirmed all monthly general meetings would be held in the multipurpose room in 2017.
- Ken Rogers talked about the memorial for Fred Ward, which he and Felice Ganz attended. Malibu City Hall is holding an exhibit of Fred Ward's photography work until January.
- Ken Rogers announced the California Bead Society is having a bazaar at month end, free for CCRMC members who display their badge and the Club will have a booth there. He also informed the Woodland Hills Rock Club has their show on October 15.
- Darrell Robb confirmed the 2017 Fiesta of Gems will be held July 8 and 9.
- Members in attendance agreed to change the price

James A. Bruckner	Nov 6
Randal Rhodes	Nov 9
Judy Davis	Nov 10
Rose Klapman	Nov 13
Gary Mitchell	Nov 14
Jessica Seastead	Nov 16
Ruth Shapiro	Nov 21
Hellena Jones Elbling	Nov 23
Charlene E. Aspray	Nov 24

of trading post raffle tickets from \$0.25 per ticket to \$1 per ticket or \$5 for six tickets.

- Eight guests were introduced.
- Rick Shaffer announced the officers nominated for the 2017 Officers elections as of that evening: Darrell Robb, President; Steve Dover, Vice-President; Ana Maria Guimaraes, Recording Secretary; Jan Ferguson, Corresponding Secretary; Franne Einberg, Treasurer; Bruce Mensinger, Historian. John Hjorth volunteered for the Parliamentarian position, which had no nominees. Rick Shaffer informed all nominations had to be submitted by Oct. 18, 2016 and reminded members to attend the November meeting so a quorum could be established for the elections to take place.
- Darrell Robb announced the University of California in Sacramento was asking for donations of materials for their rock auction in mid November. The auction proceeds support the alumni center activities.
- Jette Sorensen informed spaces were available at the Beginning Lapidary Workshop on October 23.

The meeting adjourned at 8:15 pm.

Submitted by Ana Maria S. Guimaraes
Recording Secretary

Henry's Helpful Hints by Henry Wilson

1. Don't try to cut and polish cabs while watching TV.



2. Always walk uphill while collecting large specimens.

3. Tin oxide will not work as well in your coffee as Cremora.



4. Most worthwhile gemstones can be dug only during a rain or snowstorm.

5. All worthwhile gemstones are a good 500 miles away at the end of a dirt road at about 8,000 feet elevation.

6. If you can't identify a mineral, call it jasper. No one else will know either.



7. Don't spill dop wax on your wife's stove.

8. Don't store tumbled stones in a candy dish.

9. There are approximately 135 ways to polish Jade, most of which don't work.



From Chips, Rockhound News via Mid-Georgia Gemclips, 11/95 via Rock-Buster news. 02/95,
via Star City Rock & Gem Journal, 9/16.

EXECUTIVE MEETING MINUTES October 10

Those present: Steve Dover, Franne Einberg, Felice Ganz, Ana Maria S. Guimaraes, Bruce Mensinger, Darrell Robb, Ken Rogers, Grace Sato, Rick Shaffer, Jette Sorensen.

The Meeting was called to order at 6:40 pm by President Darrell Robb.

- The September executive meeting minutes published in the October Nugget were approved as read.
- Federation Report: Rick Shaffer provided an account of the California Federation of Mineralogical Societies (CFMS) convention meeting he attended on 9/12/16 in Placerville, CA. Their next year's meeting and show is in Ventura and training classes are being offered to those who would like to become a CFMS certified showcase judge. Mr. Shaffer shared some of the approaches the CFMS uses to get new people involved in their activities, which the Club could also use. At every meeting one of their chair officers explains their role to the audience. They also contact the local school district for student volunteers for their show.
- Social Chair Report: Grace Sato confirmed the Rotary Plaza has been secured for the Club's holiday party on 12/12/16. It was agreed that the traditional white elephant game would take place. A motion was approved to donate \$200 to the Rotary Plaza.
- Darrell Robb reminded that the November meeting would take place at the Senior Center, due to the multi-purpose room being unavailable. Jette Sorensen suggested the microphone may be needed.

- Program Report: Ken Rogers confirmed Walt Lombardo would be speaking about birthstones in January. He also informed the California Bead Society is having their bazaar at the end of October and the event would be free for CCRMC members who displayed their Club badge.
- Publications Report: Jette Sorensen informed that printing and mailing The Nugget had become more expensive and she was looking for more affordable alternatives.
- Treasurer Report: Franne Einberg reported the Club was solvent. She set the following conditions in order for her to accept the Treasurer Chair position in 2017: (1) the Club must change its banking services provider; (2) the bylaws must be amended to include a third authorized check signatory, and (3) the bylaws must be amended to change the frequency of the Treasurer report from monthly to biannually.
- Nomination Committee Report: Rick Shaffer reported all elected officials agreed to continue to serve in 2017, except for the Parliamentarian position vacated by Woody Shaffer. Mr. Shaffer reminded the elected positions were president, vice-president, recording secretary, corresponding secretary, treasurer, historian and parliamentarian.
- Show Report: Darrell Robb confirmed the 2017 Fiesta of Gems would take place July 8 and 9.

The meeting adjourned at 7:33 pm.

Submitted by Ana Maria S. Guimaraes
Recording Secretary

The purpose of the CULVER CITY ROCK & MINERAL CLUB is to bring together persons interested in the earth sciences, to engage in research and study in this realm, and to assist members in the collection and preservation of rocks and minerals and in the study of lapidary and related arts.....www.culvercityrocks.org

Elected Officers for 2016

President - Darrell Robb
Vice President - Steve Dover
Treasurer - Franne Einberg
Recording Secretary - Ana Maria Guimaraes
Corresponding Secretary - Jan Ferguson
Historian - Bruce Mensinger
Parliamentarian - Woody Shaffer

Committee Chairs

Education - Open
Federation Director - Rick Shaffer
Field Trips - Open
Librarian - Bruce Mensinger
Membership - Brad Smith
Co-Chair - Leda Rogers
Minerals - Minda Moe
Photography - Bruce Mensinger
Programs - Ken Rogers
Co-Chair - Steve Dover
Publications - Co-Chairs Barbara Fier,
Jan Ferguson, Jette Sorensen
Publicity - Janice Metz
Show - Hellena Jones-Elbling
Co-Chair - Brad Smith
Shop Committee - President,
Vice President, Shop Instructors
Social - Grace Sato
Co-Chair - Joyce Watanabe
Sunshine - Felice Ganz
Trading Post - Gary Mitchell
Web Master - Jette Sorensen
Workshops - Jette Sorensen
Co-Chair - Joyce Watanabe

Board of Directors:

(2016) Steve Dover - Leda Rogers
(2017) Bruce Mensinger - Ana Maria Guimaraes
(2018) Rick Shaffer - Jette Sorensen

Contact Us: (310) 836-4611
P.O. Box 3324, Culver City, CA 90231

<http://www.culvercityrocks.org>
www.facebook.com/CCRM
www.twitter.com/culvercityrocks
<https://groups.yahoo.com/neo/groups/CCRM/info>

MEETING SCHEDULE

General Meetings are held the second Monday of every month* at 7:30 pm, usually in the Multi-Purpose Room in the Veterans Bldg., 4117 Overland Ave.* Enter from the rear door.

*Consult the Nugget or the website for occasional location changes

Guests are always welcome.

Executive Committee Meetings are held the second Monday of every month* at 6:30 p.m. in the Multi-Purpose Room in the Veterans Bldg. Auditorium. All club members are welcome.

*Meeting days occasionally change due to federal holidays or to accommodate the Fiesta Of Gems Show.

DUES & FEES

One time Initiation Fees:

Individuals	\$20.00
2 Persons/Same Address	\$35.00
Juniors	\$15.00

Yearly Membership Dues:

Individuals	\$25.00
2 Persons/Same Address	\$35.00
Juniors	\$10.00

(After July 1, dues are \$15.00, \$25.00 and \$5.00 respectively.)

Replacement badge	\$15.00
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SHOP INFORMATION

The shop is open to members in good standing over the age of 18 who sign an indemnification form. Junior members (13 - 18) must be accompanied by an adult. Instruction is available at all sessions. Practice slabs are available.

Location: 10866 Culver Blvd. in Culver City (behind the FOCCSH building (Boy Scout clubhouse) and next to the paddle tennis courts)

Shop Phone: (310) 836-4611

Hours:

Tuesday 7 pm – 9:30 pm - Rick Shaffer

Wednesday 10 am – 2 pm - By appointment,

see www.culvercityrocks.org/lapshop.htm

Thursday 10 am – 2 pm - Jan Ferguson

Saturday Noon – 4 pm - Lynne Lukert

Sunday Noon – 4 pm - Jette Sorensen

If no one shows, the shop may close early. If you plan to arrive more than a half hour after the opening time, phone the instructor at (310) 836-4611

The Nugget

The deadline for submissions is the 15th of every month. All articles or notes without a byline are written by the Editor. Permission to copy is freely given as long as proper credit is noted.

The Nugget accepts paid advertisements. The cost for an eighth of a page (approx. 2" high x 3.5" wide) is \$7 per insertion, payable in advance. Ad location is at the discretion of the Editor. Ad layouts, copy, or business cards must be received by the 10th of the month. Send materials to Culver City Rock and Mineral Club, P.O. Box 3324, Culver City, CA 90231, Attention: Editor.



the NUGGET

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NOV 2016

CULVER CITY, CALIFORNIA, USA

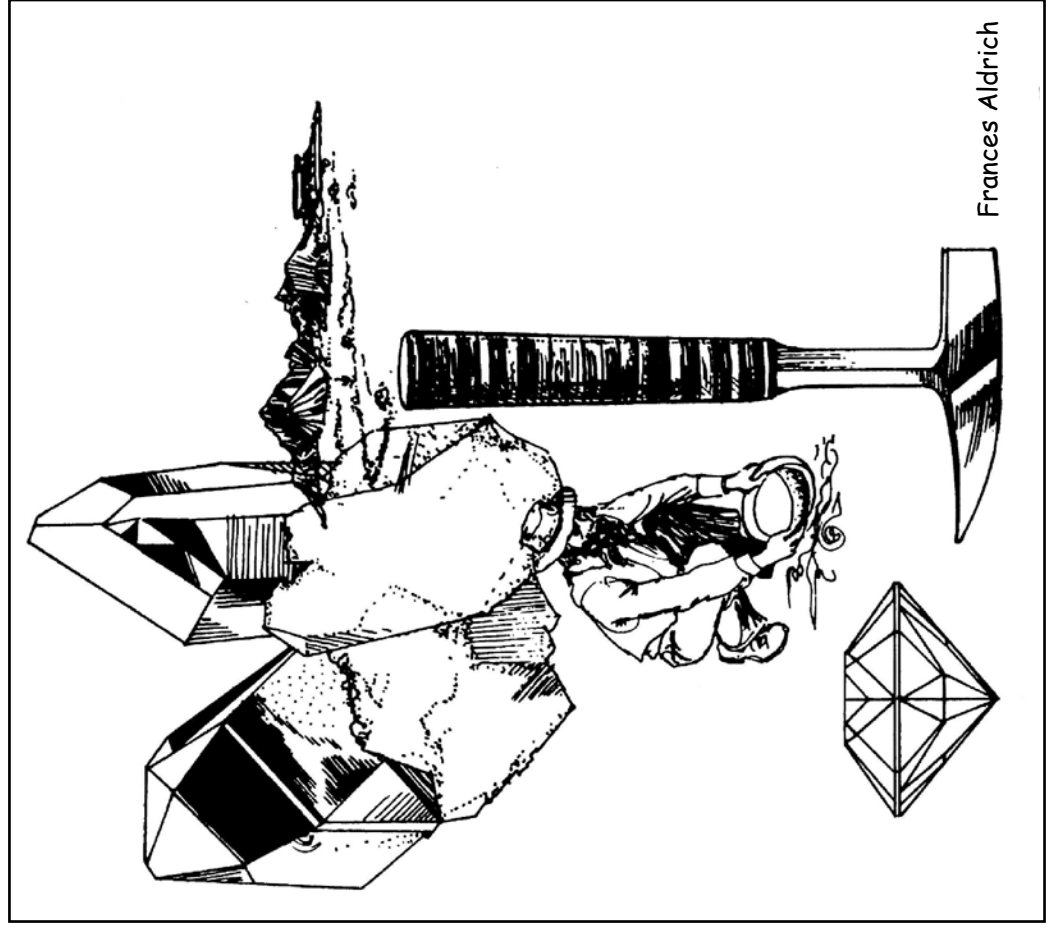
CULVER CITY ROCK & MINERAL CLUB, INC



The Nugget
P.O. Box 3324
Culver City, CA 90231

Address Change Requested

FIRST CLASS



Frances Aldrich