



The CULVER CITY ROCK & MINERAL CLUB, located in Culver City, California, brings together persons interested in the earth sciences to engage in research and study, to assist members in the collection and preservation of rocks and minerals and in the study of lapidary and related arts.



February Virtual Program: Diamonds – Diamonds of the Forbidden Zone

Join us on **Monday, February 14 @ 7:30 pm** in our Zoom Room with Denise Nelson.

Denise Nelson is a Graduate Gemologist (GIA) and an Appraiser. She started her Inner Circle Consulting business 30 years ago. As an active member of several trade-related societies and organizations, she has shared her findings and observations in more than one hundred presentations. Travels have taken her to over forty countries and mining areas including Brazil, Thailand, and So. Africa. Over the years she has attended trade shows, conferences, visited artists studios, natural history exhibits and museum collections on 5 different continents. Interests in Gem and Jewelry History, Minerals and Mining, along with a bit of luck, resulted in an invitation to



Denise Nelson aboard a diamond dredging ship, off the Namibian coast.

visit to the ultimate Diamontologist's dream location! The "Forbidden Zone", the huge Alluvial Diamond mines of Namibia in Africa!

The February program is a first-hand look at the diamond mines along the infamous Namibian Skeleton Coast of Africa. The extraordinary process of finding the world's most precious gems, in this arid landscape, is revealed, along with a look at the truly unusual, eclectic group of dedicated people who are a part of a company named Namdeb (Namibia-deBeers). The completely different mining techniques at the Cullinan mine in South Africa, along with a bit of Cullinan Diamond history, completes the adventure.



Bogenfels Arch, Namibian Coast



Diamonds from sampling pit, Skeleton Coast

Submitted by
Ken Rogers
Programs Chair

In This Issue

03 **Intereseting Read**
Grounded Life & Home Unveils Three Massive
1,500+ Pound Amethyst Clusters

06 **CCRMC News**
Executive Meeting Minutes
General Meeting Minutes
January Program
The Lapidary Shop
CCRMC Membership Info

08 **Federation News**
CFMS Shows

Upcoming Activities

February 14 – Executive Meeting, General Meeting
& February Program

March 14 – Executive Meeting, General Meeting
& March Program

April 11 – Executive Meeting, General Meeting
& April Program

May 9 – Executive Meeting, General Meeting
& May Program

The Shop is open twice a week. See page 7 for details.

Club Meetings on Zoom

CCRMC meetings are held on the 2nd Monday of each month as follows:

- 7:00 PM – Executive Meeting
- 7:30 PM – General Meeting
- 8:00 PM – Monthly Program

Club meetings are back to virtual again. Please join us in our Zoom Room for our Club meetings.

Join us virutally in our [Zoom Room](#)
Meeting ID: 310 836 4611
Password: rocks

Guests are always welcome to join our meetings.

a message from the

PRESIDENT



With the recent wave of Covid virus slowing down, things are looking better for this summer and many old hands in the club are hoping we will again be able to hold our popular Fiesta of Gems show.

Culver City is well know for running one of the finest gem club shows in the southland. We’ve had 58 of them so far before they had to postponed for the pandemic. But after a two year hiatus, we are feeling good about the possibility of holding our show this summer. Our target is the weekend of July 16-17.

The two-day show features around 40 vendors and demonstrators. It’s so much fun. There are activities for the entire family. And working on the show is a great way for new Club members to get to know the others. Plus the show is our major fund raising activity for the year.

Pulling this off to run smoothly takes a bit of planning. Last month we created a committee of past show chairs and other members involved with organizing vendors, craft displays, games and Club sponsored sales.

Running a show this year is bound to be a little different than in past years, so we could really use your help. Meetings of the committee are being held online as much as possible. If you would be interested in contributing in any way, please get in touch. My email is BradSmithJewelry@gmail.com and my cell is 424 645-2150

Brad

Brad Smith
President

Grounded Life & Home Unveils Three Massive 1,500+ Pound Amethyst Clusters at Pueblo Gem & Mineral Show at Porte Cochere, Tucson Gem Show



Three extremely rare amethyst clusters, the largest that have been unearthed by the acclaimed Anahi Mine in Bolivia in more than 20 years, will be presented to the public for the first time at the Tucson Gem Show - Pueblo Gem and Mineral Show at Porte Cochere (directly at the entrance to the Pueblo Gem Show)

TUCSON, Ariz., Jan. 20, 2022 /PRNewswire/ -- Three extremely rare amethyst clusters, the largest that have been unearthed by the acclaimed Anahi Mine in Bolivia in more than 20 years, will be presented to the public for the first time at the Tucson Gem Show, according to Jeffrey Berk, founder of Grounded Life and Home (www.groundedlifeandhome.com). The three clusters weigh in at 1,682 lbs., 1,600 lbs., and 1,500 lbs. The specimens are considered rare due to their immense size which measure 5' x 3' and larger with individual points between 3" - 8" in diameter.

The clusters' journey included more than 8,000 miles from deep within the mine, through a dense jungle, a 150-mile escort with the Bolivian Navy down the Pantanal (the world's largest tropical wetland) to its final destination at the Pueblo Gem and Mineral Show at Porte Cochere (directly at the entrance to the Pueblo Gem Show) in Tucson, Arizona.

"What sets these pieces apart from other amethysts is that it is extremely rare to find points of this immense size. These formations are found only in Bolivia and are considered to be museum-grade pieces by the highly reputable Anahi Mine," says Berk. "These specimens are attractive to anyone that wants to display it in their home as an exceptional architectural element or a museum that wants to add to its collection."

According to Don Ramiro Rivero, Owner of the Anahi Mine, "In the last 20 years, these are the most important pieces over 500 lbs. and the biggest unearthed that weigh over 1,500 lbs. The pieces are 'super big', gorgeous in shape, color, and brightness." The Anahi mine is world-renowned for its large amounts of amethyst, citrine, and amethyst-citrine.

WORK OF ART: EXPLODED EARTH

In addition to the seven monumental amethyst clusters, Berk will be showing rare high-quality water clear quartz specimens from Colombia. Berk's partner, Steve Tobin, is a world-renowned artist best known for having made the TRINITY ROOT, the 911 memorial in NYC. Tobin will be debuting in Tucson his Exploded Earth series of large-scale manmade geodes shaped with explosives. Exploded Earth (some weighing over two tons) have been shown in museums and galleries worldwide, including Smithsonian Magazine and published internationally. This is a first showing of Exploded Earth outside of art museums and galleries.

ABOUT JEFFREY BERK, FOUNDER, GROUNDED LIFE AND HOME

Jeffrey Berk has been in the gems and mineral industry since the 1970's. What distinguishes Berk from the mainstream is that he has been invited to travel deep into the mines of various countries, always questing and getting directly to the mine source. He has curated international collections in London and around the world. Connected with gem and mineral industry insiders, he has bought minerals on three continents and has exhibited in dozens of trade shows across the country.

<https://www.prnewswire.com/news-releases/grounded-life--home-unveils-three-massive-1-500-pound-amethyst-clusters-at-pueblo-gem--mineral-show-at-porte-cochere-tucson-gem-show-301465065.html>

Executive Meeting Minutes

January 10, 2022

Those present: Darren Cokin, Stephnie Dangott, Steve Dover, Jon Gowling, Ana Maria Guimaraes, Lorna Herf, Pamela Leitner, Darrell Robb, Ken Rogers, Brad Smith, Jette Sorensen, Christine Thompson, Karen Wallin, Lynne Lukert, Donna Weaver.

The meeting was called to order by President Brad Smith at 7:15 PM.

The following was discussed:

-Brad Smith indicated the Club remained without a Vice-President and that the Executive Committee needed to do outreach to new members and get them involved in committee positions, so that they could eventually serve as President and Vice-President. The survival of the Club depended on it.

-Brad recommended that the Club does a show in 2022, so as not to remain three years in a row without one. However, he expressed concern that there may not be enough people to run the show. Pam Leitner suggested we use the membership renewal form to ask members what they would like to volunteer for; Jette indicated renewals were low because members did not think the Club would be active due to the pandemic. A discussion followed about means to pay the dues. Darrell Robb reminded that the Club has a Paypal account and could also set up Zelle. Pam recommended pitching to members about volunteering for the show during the general meeting and Ken Rogers suggested hosting another sale event for members in May to engage people.

-The Committee decided to go forward with the show. Brad committed to putting a team together to run the show and make early decisions. He proposed those interested meet on Wednesday at 6:30 PM and commit to running the show.

-Brad informed that the Club decided to take on some of the water expense, sharing it with the Boy Scouts. He indicated the water bills has returned to normal, so it was unlikely the spike had been caused by a leak.

-The December Executive Meeting minutes were approved as read on The Nugget published in January.

The meeting adjourned at 7:33 PM.

General Meeting Minutes

January 10, 2022

The meeting was called to order by President Brad Smith at 7:34 PM.

-Brad Smith announced that the Club would do a show in 2022, in late June or early July. He indicated members participation would be needed and asked members to set aside a little time to help. He informed that a meeting to start planning the show would take place on Wednesday at 6:30 PM and invited members to join.

-Brad reminded members that the Shop was open twice a week and that the website had details on how to make an appointment.

-Christina Thompson reminded members that the Club had an Instagram account and invited them to send pictures of work they were doing.

-Treasurer Darrell Robb informed that a Citibank CD had matured and proceeds had been transferred to the Club's checking account. Dividends from Vanguard and Oakmark funds had also been deposited there. He recommended investing these funds in the Vanguard fund as much as allowed per the fund rules and the balance in another fund, to protect from inflation.

-Membership Chair Jette Sorensen indicated no members had renewed their membership to date. Brad reminded the membership would expire end of March and that dues could be paid at the Shop or by mail. He asked members to update the membership form where needed or indicate "no changes" and submit it with the payment. Jette asked to always fill the email field to ensure a current email address is used for Club communications and the Nugget.

-Program Chair Ken Rogers indicated he needed help to identify new programs.

-Brad informed the Club needed candidates to be appointed as Vice-President this year. Steve Dover could not occupy the position because he had already served five years in a row, which was the maximum allowed by the Bylaws.

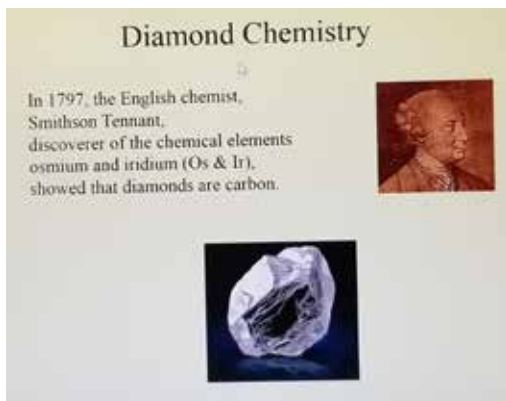
-Quorum was established and the November General Meeting Minutes were approved as read on The Nugget published in December.

Meeting adjourned.

Submitted by
Ana M. Strambi Guimaraes
Recording Secretary

January Program Report: New Advances in Synthetic Diamonds

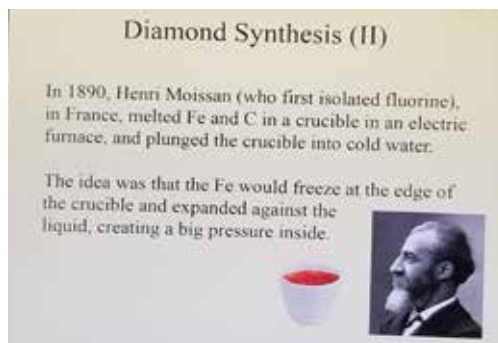
Dr. George Rossman discussed the history and methods of diamond synthesis.



In 1797 English chemist Smithson Tennant discovered that diamond was made of carbon and that to obtain diamond one would need to

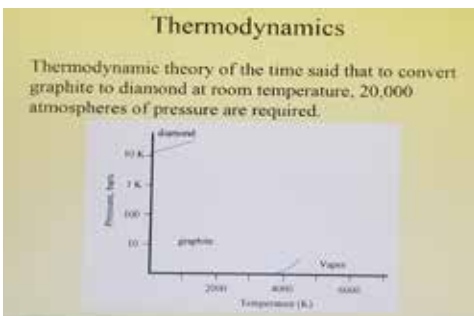
“squeeze” carbon to achieve the appropriate density.

In 1880, Scottish chemist James Hannay made a pressure vessel from an iron pipe and claimed to have synthesized diamonds, but later it was demonstrated that the samples purportedly obtained in his experiment were actually natural diamonds.



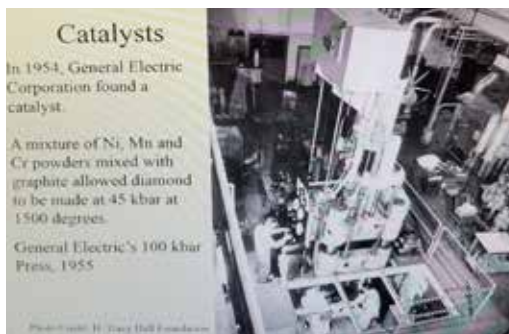
In 1890, French chemist Henri Moissan claimed to have synthesized carbon into diamonds. In 1917, English engineer Sir Charles A.

Parsons claimed to have repeated the experiment and obtained diamonds as well. Later, the 1890 was revealed to be a fraud; the lab assistant had put natural diamonds in the pot to end the experiment. Thus, the 1917 experiment was also a fraud.



Thermodynamics laws say that twenty thousand atmospheres are needed to convert graphite into diamond at room temperature.

However, they do not provide information on rates of reaction. American chemical engineer Harry Drickamer ran several experiments and discovered the rate.



With the use of catalysts to speed up reactions, diamonds can be produced very fast. In 1954 General Electric

mixed Ni, Mn and Cr with graphite, converting it to diamond. They also developed the tetrahedral press to be used in the conversion. In the 1970's, GE managed to synthesize gem quality diamonds.

Diamonds can also be synthesized by shock by blasting graphite with dynamite; the shock waves going through the graphite generate diamonds. There are multiple uses for nano-diamonds generated by this process.

Diamonds can also be naturally generated by shock. In 1800, a meteorite fell in Siberia. The British Museum got a piece and attempted to grind it for chemical analysis and noted the meteorite was grinding the instruments instead, because it contained diamonds. The impact of another meteorite that fell in Siberia, the Popigai, generated trillions of carats of diamonds in the impact crater, which is an enormous source of diamonds in Russia. Diamond was also extracted from the Orgueil meteorite, that fell in France in 1864, confirming the existence of nano-diamond in the interstellar medium. In addition, micro-diamonds exist in high pressure mountain ranges in Kazakhstan, Norway and Germany.

Another method for synthesizing diamonds is chemical vapor deposition. A plasma is made between two electrodes, a gas that contains methane is introduced and diamonds form on some of the electrons. In this method, vacuum is used instead of pressure.

January Program Report: New Advances in Synthetic Diamonds *con't*

There is a large industry making synthetic diamonds for various purposes. There are more than ten thousand presses in China alone. Around two thousand tons are produced each year; only about ten percent of diamonds in industrial use are natural.

Colored diamonds exist in nature and can also be synthesized. In blue diamonds, traces of boron substitute for carbon, rendering the blue color; these diamonds conduct electricity. In yellow diamonds, which are common in nature, the color is due to a few parts of a million of nitrogen replacing the carbon. The color depends on the polymerization of the nitrogen and can vary from deep yellow to brown. Russia developed new technology to remove nitrogen from diamonds and obtain nitrogen free, colorless, high quality diamonds. Natural pink and red diamonds are very rare. The color is related to shear deformation bands in the diamond, but the exact origin of the color is unknown. In green diamonds, radiation ejected carbon atoms, creating a carbon vacancy that produces the green color. It is difficult to tell in the lab if a diamond was naturally or synthetically radiated. Once the origin of the color is known, it can be reproduced in the lab.

Synthetic diamonds are entering the gem market in significant quantities, especially small diamonds. Synthetic diamonds have been routinely made for abrasives for many years and their use has been expanding to electronic applications.

Submitted by
Ana M. Strambi Guimaraes
Recording Secretary

2022 CCRMC Membership Dues

As a reminder, 2022 membership fees were due in January. If membership dues are not paid by March 31st you will no longer be able to use the Shop, participate in our Parking Lot Sales or receive the Nugget.

When making your payment, please update the membership form where needed or indicate "no changes" and submit it with your payment. The membership form can be found on page 10 or on the [website](#).

Dues can be paid at the Shop or by mail. Both addresses are listed at the back of the Nugget.

Fun Facts - Amethyst

- Amethyst is derived from the Greek word amethystos, meaning "not drunk" or "a remedy for drunkenness." The ancient Greeks believed you could drink all night and stay sober if you had an amethyst on your person.
- Once reserved for only royalty
- Thought to produce strength and clarity, as well as protection from harm
- It's calming presence produces soothing dreams
- Cures pimples by rubbing a moistened amethyst on the pimple
- 6th wedding anniversary gift
- If you dream of receiving an amethyst as a gift brings good luck
- If you dream of giving an amethyst means you forgive the recipient
- St. Valentine is said to have worn an amethyst ring carved with an image of cupid.

To read more: <https://www.almanac.com/content/february-birthstone-color-and-meaning>

Lapidary Shop



Our fully equipped Lapidary Shop is open on a limited basis with modified rules and capacities.

Everyone is required to show proof of vaccination (see page 2 for details), wear masks, observe social distancing, and sign a liability waiver for the Club.

Absolutely NO walk-ins are allowed!

Please contact the instructor to determine availability and reserve your spot:

Wednesday 10 am – 2 pm
 Vern: shop-avail-appoint@culvercityrocks.org
 Non-vaccinated allowed

Saturday 12 pm – 4 pm
 Lynne Lukert: gemlynn@ca.rr.com
 Discuss vaccination status with Lynne

Sunday 12 pm – 4 pm
 Jette: ccrhc-sundaylapshop@culvercityrocks.org
 Vaccinated only

If you are unable to attend at the last minute or are going to be 30 minutes or more late, call the Shop.

Members must be current with membership dues.

The Shop is for use by adults 18+ only; junior members 13+ must sign a special release and a parent/guardian must be present to use any equipment.

10866 Culver Boulevard
 Culver City, CA 90230
 The Shop is located behind the Scout House
 Shop phone number: 310-836-4611

CCRMC Membership

Membership to the Culver City Rock & Mineral Club is open to anyone, regardless of age or place of residence.

Junior members (under 18) must be sponsored by a parent, guardian, or a member in good standing and must be accompanied to meetings and on field trips by an adult member.

Benefits of membership include:

- 12 issues of the *Nugget* newsletter
- Attend Club meetings with expert speakers
- Participate in our Annual Fiesta of Gems show
- Entrance to our fully equipped Lapidary Shop
- Access to our library
- Go on rock collecting field trips
- Attend workshops at a reduced price
- Fun-filled silent auctions, parking lot sales, a holiday party in December and a member picnic in August

To become a member, complete an application and mail it back to us along with your one time initiation fee and the appropriate membership fee.

Membership is on a yearly basis from January 1 - December 31, and renewals are due on January 1 of every year. For new members joining after July 1, the fees are discounted for the first year.

Membership fees are:

	One Time Initiation Fee	Annual Membership Fee	New Members Joining After July 1
			\$15
Individuals	\$20	\$25	
Two persons same address	\$35	\$35	\$25
Junior (under 18)	\$15	\$10	\$5

The application can be found here:

<http://www.culvercityrocks.org/membership.htm>



CFMS Upcoming Shows

Many clubs have canceled or changed their show dates due to Covid-19. At the time of publication, these are the shows that have not been canceled.

Please check the CFMS website for the most up to date information on upcoming shows.

<https://www.cfmsinc.org/shows-2/>

February 12-13, 2022 – Antioch, CA

Antioch Lapidary Club
Jewelry, Gem & Rock Show
1201 West 10th St., Antioch, CA 94509
Hours: 10 AM – 5 PM
Admission: \$6
Contact: edysnyder@gmail.com
Website: <http://www.antiochlapidaryclub.com>

February 26-27, 2022 – Vallejo, CA

Vallejo Gem and Mineral Society
McCormack Hall, Solano County Fairgrounds, Vallejo, CA
900 Fairgrounds Dr., Vallejo, CA
Spring Bling 2022
Hours: 10 AM – 5 PM both days
Contact: (510) 377-4545
Website: <http://vjgems.co/>

March 5-6, 2022 – Ventura, CA

Ventura Gem and Mineral Society
Ventura County Fairgrounds, 10 W. Harbor Blvd., Ventura
Hours: Saturday 10 AM – 5 PM, Sunday 10 AM – 4 PM
Gems and Minerals, fossils, jewelry, healing stones,
silent auction, exhibits, dealers, kids activities, lapidary
arts demonstrations, raffle, flea market, plant sale. A
successful and valued South Coast show since 1963. We
are happy to be back again after COVID!
Website: <http://www.vgms.org>

March 12-13, 2022 – Arcadia, CA

Pasadena Lapidary Society
"Inspiration Unearthed", 62nd Annual Tournament of Gems
Arcadia Masonic Center, 50 W. Duarte Rd., Arcadia
Hours: Saturday 10 AM- 6 PM, Sunday 10 AM – 5 PM
Contact: Ellen Ferrell 1-727-512-0381
Email: ellenbf2007@aol.com
Website: <https://www.pasadenalapidary.org>

April 1-3, 2022, Vista CA

Vista Gem and Mineral Society
Vista Gem and Mineral Show
Antique Gas and Steam Engine Museum, 2040 N. Santa
Fe Ave., Vista, CA 92083
Hours: April 1 & 2, 10 AM – 5 PM, April 3, 10 AM – 4 PM

The Nugget | February 2022

Held outdoors at the Antique Gas and Steam Engine Museum, you'll find everything from crystals and gems to rough, slabs, and cabs – and even lapidary tools. Not only can you find all the supplies you are looking for, but we are also known for our raffle held on Sunday afternoon.

Contact: info@vistarocks.org

Website: <https://vistarocks.org>

April 9-10, 2022 – Mariposa, CA

Mariposa Gem and Mineral Club
Mountains of Minerals
Mariposa County Fairgrounds, 5005 Fairgrounds Road,
Mariposa, CA 95338
Hours: Saturday 10 AM – 5 PM, Sunday 10 AM – 4 PM
Contact: mgmc@sti.net
Website: <http://mariposagemclub.org>

April 30 – May 1, 2022 – Anaheim, CA

Searchers Gem & Mineral Society
Brookhurst Community Center, 2271 W. Crescent Ave.,
Anaheim, CA 92801
Hours: Saturday 10 AM – 5 PM, Sunday 10AM – 4:30 PM
61st Annual Searchers Mineral, Gem and Jewelry Show
Contact: (909) 815-3045, searchersgemandmineral@gmail.com
Website: <https://searchersrocks.org>

We hope your birthday rocks...
**Happy
Birthday!**

Nancy Bird
Peter Baram



to our newest members:

Colin Herf (junior member)
Donald Goldberg
Shookan Goldberg
Emily Hermosillo

We're thrilled to have you join our Club and are looking forward to meeting you in person soon. 8

the Nugget - Submissions

Submissions deadline is on the 15th of every month. Articles or notes without a byline are written by the Editor. Photographs without credits are shot by a CCRMC member.

Email submissions to Janet Gampe, Editor: nugget@culvercityrocks.org

the Nugget - Advertisements

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. Ads, copy, or business cards must be received by the 10th of the month.

Send materials to: nugget@culvercityrocks.org

Club General Meetings

Culver City Veterans Memorial Complex
Multipurpose Room
4117 Overland Avenue
Culver City, CA 90230

Lapidary Shop

10866 Culver Boulevard
Culver City, CA 90230
The Shop is located behind the Scout House.

Mailing Address

Culver City Rock & Mineral Club
PO Box 3324
Culver City, CA 90231
310-836-4611



Frances Aldrich

Stay In Touch



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2022 Elected Officers

President
Brad Smith

Vice President
Vacant

Treasurer
Darrell Robb

Recording Secretary
Ana Maria Strambi Guimaraes

Corresponding Secretary
Véronique Gautherot

Parliamentarian
Jon P. Gowling

2022 Committee Chairs

- Education – Alexa Hunter & Karen Wallen
- Federation Director – Lorna Heft
- Field Trips – Devon Lloyd
- Historian – Virginia Hollis
- Librarian – VACANT
- Membership Co-Chairs – Stephanie Dangott & Jette Sorensen
- Minerals – Devon Lloyd
- Photography – Pam Leitner
- Programs – Ken Rogers
- Publications – Janet Gampe
- Publicity – Janice Metz & Christine Thompson
- Shop Committee – President, Vice President & Shop Instructors
- Show – Adrienne Louie
- Social – VACANT
- Sunshine – VACANT
- Trading Post – Gary Mitchell
- Webmaster – Bart Gampe
- Workshops – Janice Metz
- Zoom Host – Darren Cokin

Board of Directors

2022
Virginia Hollis
Janet Louie

2023
Adrienne Louie
Jette Sorensen

2024
Gary Mitchell
Karen Wallen

Culver City Rock and Mineral Club

For Club use: Cash Amount _____

MEMBERSHIP APPLICATION New Renew

Check No. _____

Please print (legibly) :

Date Rec'd _____

First Name	MI	Last Name	Email	B'date mo/dy
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First Name, 2nd person, same address	MI	Last name	Email	B'date mo/dy Junior Y/N if Yes, Age ____
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DUES and FEES

Address	City	State	Zip	Individual	2 People, 1 address	Junior	
Telephone	Phone 2nd person			Onetime Initiation	\$20	\$35	\$15
Badges will all show first <u>and</u> last names. If a nickname is preferred instead of first name, list it here: Nickname: _____ <p style="text-align: center;"><u>Nugget newsletter is sent via email</u></p>				Yearly Membership	\$25	\$35	\$10
				After July 1ST	\$15	\$25	\$5
				1st year before 7/1	\$45	\$70	\$25
				1st year after 6/30	\$35	\$60	\$20

The Club periodically publishes a roster with information available from your membership application. Please indicate any information you do not want included: Address , Phone , Email , Birthdate .

Per the Club's bylaws, all members are required to donate 4 hours of work during the three days of the annual Fiesta of Gems show. Further, I will help out in the following activities and/or committees (please check all that apply):

- | | | | |
|---|------------------------------------|--|---|
| <input type="checkbox"/> Administrative | <input type="checkbox"/> Gem Show | <input type="checkbox"/> Field trips | <input type="checkbox"/> Programs |
| <input type="checkbox"/> Publicity | <input type="checkbox"/> Education | <input type="checkbox"/> Newsletter | <input type="checkbox"/> Photography |
| <input type="checkbox"/> Workshops | <input type="checkbox"/> Library | <input type="checkbox"/> Lapidary Shop | <input type="checkbox"/> Meet/Greet at meetings |

Signature: _____ Date: _____

Please mail this completed application along with your check, payable to CCRMC to:

CULVER CITY ROCK & MINERAL CLUB, P.O. BOX 3324, CULVER CITY, CA 90231 or bring the application and your payment to the Club's monthly meeting.

Meetings normally take place on the second Monday of every month; however, Monday Holidays, the Club's Gem show in June or July and the Holiday Party in December may affect the meeting date. More info on the Club's web site: culvercityrocks.org, [facebook.com/ccrhc](https://www.facebook.com/ccrhc), twitter.com/culvercityrocks, [instagram.com/culvercityrocks](https://www.instagram.com/culvercityrocks)

Meetings are held in the Multi-Purpose Room at the Veterans Memorial Complex at 4117 Overland Avenue. Entrance is in the rear of the building, off the park.

For more information about our Club, please visit our web site at : culvercityrocks.org
 For questions regarding this form or membership, send an email to: membership@culvercityrocks.org

Culver City Rock & Mineral Club, Inc.

the Nugget
PO Box 3324
Culver City, CA 90231

Address Change Requested

First Class Mail



MONTHLY
NEWSLETTER OF THE
CULVER CITY ROCK &
MINERAL CLUB

the NUGGET



Frances Aldrich