



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.



## November Virtual Program:

# A Geologic Tour of Australia



Join us on November 9 at 7:00 pm as we explore Australia's most iconic natural wonders and visit several geologic sites that are off the beaten path and unfamiliar to most people. The lack of significant soil development and sparse vegetation exposes the bedrock geology of the country like few places on earth. Scattered across a country as vast as the United States. Australia has 675 National Parks and 19 World Heritage sites that show off the natural beauty that geologic processes have carved into the landscape.



Dick & Mary Pat Weber are retired exploration geologists and have been members of their local mineral club for the past 25 years. While in college, they became fascinated with the geology of Australia and it became number one on their bucket list of travel destinations. In 2007 and 2008, they spent a year on what they refer to as their "Rocks 'n Crocs" tour of Australia looking at and photographing the natural features

and geology of Australia. They are no strangers to our Club as they have given us numerous programs over the last five years.

To join this virtual program, see General Meetings on page 2.

Submitted by  
**Ken Rogers**  
Programs Chair

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## Upcoming Activities

- November 09 – General Meeting & November Program  
November 23 – Executive Meeting  
December 14 – To be determined  
January 01 – 2021 CCRMC Membership Fees Due  
January 11 – General Meeting & January Program  
January 25 – Executive Meeting

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## General Meetings on Zoom

As we continue to navigate through the “Safer at Home Orders” all meetings will be held via video conferencing.

General Meetings are held the second Monday of every month at **7:00 PM on Zoom** until it is safe to resume in person meetings.

Join the Zoom meeting by clicking here:  
<https://zoom.us/j/3108364611?pwd=WnRTclZTS3RJMEdWdlV2c01mQWxqdz09>

Meeting ID: 310 836 4611

Password: rocks

Guests are always welcomed to join us.



a message from the

# PRESIDENT

Many thanks to Alexa Hunter for putting together a good slate of prospective officers for our elections this month. And thanks to those members who have stepped up to help by making a commitment. Healthy and active clubs exist because of the efforts, dedication, and imagination of our members.

And I want to also say thanks to all of our club officers and committee chairs for their efforts in a difficult year that seems to continue getting worse every month. A year ago none of us had any idea of the challenges we would be facing during 2020. Club wise, I'd say we're doing pretty well. We've never missed a meeting, and we've even attracted a few new members.

The news is not as upbeat with the LA-Rocks field trip discussion list. The Yahoo service will be shutting down for good on December 14th this year. I started LA-Rocks way back in 1999 as a way for local clubs to share information and allow their members (and me) to go out on more field trips than anyone club provided.

The service worked well and membership grew to about 1900 rock hounds. But last year Yahoo Groups discontinued archiving messages and photos, and this year they plan to cease all operations. Two venues have been set up to continue the discussions. One is on Facebook and the other on Groups.io. If you follow these discussions, let me know if you have any difficulties in moving your membership onto either one.

**Brad Smith**  
President

## October Program Report:

# Cosmic Debris: Meteorites, Asteroids, Comets, and Tektites

Geologist Walter Lombardo discussed the formation and geology of asteroids and meteorites.

Asteroids are rocky bodies orbiting the sun, primarily in the asteroid belt, which is located between Mars and Jupiter. The asteroid belt has two parts; one next to Mars and one in Jupiter's orbit, controlled by Jupiter's gravitational pull. It is sparsely populated, with four percent of the volume of the moon.



Asteroid belts between Mars and Jupiter. Area between Mars and Jupiter "cleaned up" by gravitational forces of both planets.

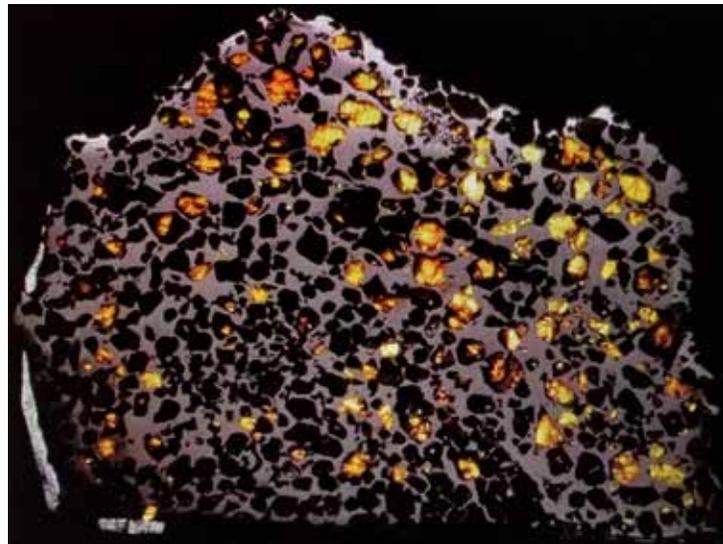
The largest asteroid, Ceres, a dwarf planet, comprises 25 percent of the volume of the belt, with more than 900 km in diameter. Asteroids have fractured and scarred bodies, due to multiple impacts with other large bodies.



4 Vesta Asteroid. Photographed by Dawn Space Probe in 2011

Meteors are small bodies of matter that enter Earth's atmosphere. Meteorites are parts of meteors that survive the passage through the atmosphere and hit the ground. The origin of meteorites can be determined

by comparing their materials to the materials found in asteroids and other celestial bodies. Information about asteroid materials is obtained through multiple scientific missions that analyze the surface of the asteroids.



Pallasite showing gemmy olivine crystals

The most common type of meteorites are chondrites, which are mostly non metallic minerals. Other types are achondrites, stony meteorites similar to basalts; stony irons, with similar amounts of silicate minerals and iron-nickel; and irons, made of metallic iron and nickel.

Iron meteorites are easier to find due to ease of recognition and durability. They may be magnetic, and have "thumbprints", called regmaglypts. When cut, they can show chondrites, or iron-nickel structures. The inside of a metallic meteorite has a steel gray color as opposed to black, unless it has oxidized.

The Earth landscape shows evidence of multiple large meteor impacts.



Submitted by  
**Ana M. Strambi Guimaraes**  
Recording Secretary

# Was a \$280 Million Emerald Destroyed in California Wildfire? PG&E is Dubious

## California utility challenges suspicious claim from fire that razed Paradise



An aerial view of a neighborhood destroyed by the Camp Fire on Nov. 15, 2018 in Paradise, Calif. GETTY IMAGES

It would be one of the most valuable gemstones on the planet, lost in the most destructive fire in California history — if it even exists.

A Northern California couple has claimed the “Beleza Emerald” — a 500-pound “solid block of black schist and quartz with green crystals,” according to court documents, worth \$280 million — was destroyed in 2018’s deadly Camp fire, and wants PG&E Corp. to fully reimburse them. PG&E is dubious, to say the least.



Bahia Emerald for approximate alleged size and color reference. [https://en.wikipedia.org/wiki/Bahia\\_Emerald](https://en.wikipedia.org/wiki/Bahia_Emerald)

The emerald makes up the vast bulk of \$350 million in seven individual claims from the Camp fire that the California utility has marked a suspicious, and PG&E’s lawyers on Monday demanded in federal court that

the couple provide evidence, [Bloomberg News](#) first reported Monday.

Specifically, PG&E is seeking a receipt or invoice for the emerald, proof it was in their Paradise home at the time of the fire, documents attesting to its market value, proof of insurance for the gem and evidence that it was destroyed in the fire, the [Sacramento Bee](#) reported Tuesday. The couple also reportedly filed four duplicate claims for \$4.5 million each.

The \$280 million emerald would be remarkable, if it in fact existed. A list of top emeralds sold by [Christie’s](#) auction house maxes out at around \$6 million. A nearly 800-pound emerald found in Brazil in 2017 was valued at about \$309 million, according to a [Forbes](#) report. As comparison, the famed Hope diamond is valued between \$250 million and \$350 million.

It was unclear exactly how the couple claimed the emerald was destroyed. While the Camp fire burned hot enough to melt aluminum — which has a melting point of 1,221 degrees Fahrenheit — emeralds start to degrade at temperatures around 1,800 degrees Fahrenheit. A Google search found no record of a “Beleza Emerald.”

According to Realtor.com, the house in question was an 8-bedroom, 4,400-square-foot home in Paradise with an estimated value of \$586,000 — raising further doubts that it contained a gem worth more than 477 times the price of the house.

The Camp fire killed 85 people and essentially destroyed the entire town of Paradise, and forced PG&E to declare bankruptcy over potential liability claims after the state found its equipment started the blaze.

Last week, [PG&E increased the amount it was offering victims](#) of the Camp fire and other recent blazes to \$13.5 billion, hoping to settle claims so it can emerge from bankruptcy.

Murphy, M. (2019). Was a \$280 million emerald destroyed in California wildfire? PG&E is dubious [Article]. <https://www.marketwatch.com/story/was-a-280-million-emerald-destroyed-in-california-wildfire-pge-is-dubious-2019-11-19>

Submitted by  
**Devon Lloyd**  
Minerals Chair

# Jewelry Photography 101



Hello CCRMC friends!

I started photographing jewelry years ago because of my love for jewelry and natural stones. To help you photograph your projects better, I want to give you some pointers on how to photograph jewelry, and more specifically, metal as it can be very tricky and reflective.

## Equipment & Cameras

I use a set of professional cameras, but there are a lot of tips and tricks you can learn to take better photos on a basic digital camera or your smart phone. The first and most important step is to get the lighting right. I highly recommend the use of a [light box](#). You can pick one up for around \$40.



My light box and some of the props I use.

## Light boxes

When using a light box, I prefer to flip it on its back and have the large opening facing up. It becomes easier to position your camera in a way where it won't show up in the metal reflection. I also clip or clothespin white tissue paper around the lights to soften them.

The boxes are typically all-white, so you can use props such as fabric or stands to add some background to your photos. You can also opt to shoot on a table and use freestanding lights.



Here's how I use my light box.

## Reflections & Angles



Here's an example of reflections in the jewelry.

The goal is to avoid as many reflections as possible, or at least soften them. You can do this by finding the optimum angle with your jewelry. I aim for shooting perpendicular to the stone, and aligning my camera lens over the center so there's less of a chance for reflection.



You want to be perpendicular to the center of the stone.

Continued on next page

# Jewelry Photography 101 *con't*

## Lighting

Another important factor is making sure that you don't shoot the photo too light. It's always better to shoot a little darker and lighten the photo through editing than taking it too bright, which results in a loss of detail. And you want everyone to be able to see the natural beauty and detail of the stone.



*Optimum light and proper positioning, so there's almost no reflection of light or the camera in the metal.*

## Editing

If you're new to editing, many smartphones have an "auto" feature that will easily help you get the proper exposure on your photo. Some easy editing steps – turn down highlights, raise up the shadows, and increase contrast by a couple notches. Whether you're using a smartphone or a camera, you can use Adobe Photoshop Express Editor to edit your photos and it has a great "auto" feature.



*This probably the most challenging piece I've ever photographed. It's basically a mirror and reflect everything.*

Submitted by  
**Nyki Bell**  
CCRMC Member

# Lapidary Shop *is open!!!*



Our fully equipped lapidary shop is finally open again, with modified rules and limited days.

Everyone is required to wear masks, observe social distancing and sign a liability waiver for the Club.

The Shop will be limited to 1 instructor and 2 workers at a time. As soon as the state and city relax their restrictions, we will be able to bring in more workers.

Please contact the instructor to reserve your spot.

Friday 10 am - 2 pm

Lynne Lukert: [gemlynne@ca.rr.com](mailto:gemlynne@ca.rr.com)

Saturday 12 pm - 4 pm

Kent Goodman: [kentgoodman@gmail.com](mailto:kentgoodman@gmail.com)

If you are unable to attend at the last minute or are going to be more than 30 minutes late, please notify the instructor so they can offer the spot to someone else or wait for you.

Members must be current with membership dues, sign an annual insurance waiver and receive instruction before starting in the Shop.

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

# 2021 Slate of Officers and Chair Nominees

The Executive Board, Committee Chair Nominees, and Board of Directors are typically listed in the Nugget October issue and voted on during the November meeting. As you all know, 2020 has not been a normal year.

The 2021 Slate of Officers, Committee Chairs, and Board of Directors voting is during the November virtual meeting on November 9. You will have the opportunity to challenge or nominate yourself for a position during this meeting. Winners will be sworn in at the December virtual meeting.

One member is currently holding a position (shown in orange) who has not yet confirmed if they are interested in serving another year.

Two positions are vacant and available (shown in magenta). We hope to fill these positions during the November 9 meeting.

- **Social** will take charge of and arrange all social activities of the Club, including refreshments, parties, picnics, etc and have charge of show refreshments in collaboration with the Show committee.
- **Sunshine** will send appropriate cards or flowers to sick or bereaved members when this condition has been reported to the committee and report such conditions to the membership at meetings and through the Nugget.

Note: The 2022 Board of Director positions were not listed in the Nugget as required for the period of January 2019 - December 2020.

The proposed lineup is listed to the right.

Thank you Alexa Hunter for preparing the slate of officers and committee chairs list.

## 2021 ELECTED OFFICER CANDIDATES

**President** – Brad Smith  
**Vice President** – Steve Dover  
**Treasurer** – Darrell Robb  
**Recording Secretary** – Ana Maria Strambi Guimaraes  
**Corresponding Secretary** – Véronique Gautherot  
**Parliamentarian** – **Jon P. Gowling**

## 2021 APPOINTED COMMITTEE CHAIRS

**Education** – Alexa Hunter & Karen Wallen  
**Federation Director** – Rick Shaffer  
**Field Trips** – Devon Lloyd  
**Historian** – Virginia Hollis  
**Librarian** – Andrea Fabian  
**Membership** – Jette Sorensen  
**Membership Co-Chair** – Stephanie Dangott  
**Minerals** – Devon Lloyd  
**Photography** – Pam Leitner  
**Programs** – Ken Rogers  
**Publications** – Janet Gampe  
**Publicity** – Janice Metz  
**Shop Committee** – President, Vice President & Shop Instructors  
**Show** – Adrienne Louie  
**Social** – **VACANT**  
**Sunshine** – **VACANT**  
**Trading Post** – Gary Mitchell  
**Webmaster** – Jette Sorensen  
**Workshops** – Janice Metz

## 2021 Board of Directors

Franne Einberg  
Gary Mitchell

## 2022 Board of Directors

Virginia Hollis  
Janet Louie

## 2023 Board of Directors

Adrienne Louie  
Jette Sorensen

Submitted by  
**Alexa Hunter**  
Nominating Chair

# Workshops

Unfortunately all in-person workshops are on hold as our Club continues to follow Culver City guidelines in response to the Covid-19 pandemic. We look forward to scheduling more workshops in the future, and would like to thank Janice Metz for creating an exciting and diverse workshop program led by our members. Below is a recap of workshops offered before the Safer at Home orders.



Spiral chainmaille workshop led by Janice Metz. Attendees learned how to create a beautiful weave which creates the spiral pattern.



Amazonite bracelet workshop led by Janice Metz. Participants used Amazonite chips, beads, and seed beads to complete this bracelet.



Fold formed jewelry workshop led by Brad Smith. Attendees learned how to cut, forge, shape, anneal, and patinate common metals.



Beginning lapidary workshop led by Jette Sorensen. Attendees learned how to make a cabachon from a slab.



Master the jewelers saw workshop led by Brad Smith. Attendees learned how to master the use of the saw frame and the blades used with it.



Steel pattern plates workshop led by Bart Gampe. Attendees learned proper mill set-up, rolling techniques, and roll printing on copper. Then forming and filing to create a cuff bracelet.



Skinny rings workshop led by Jette Sorensen. Attendees learned how to make Argentium skinny rings/headpins with wire and a butane torch.

# General Meeting Minutes

## September 14, 2020

The meeting was called to order at 7:07 PM and a quorum established.

- President Brad Smith requested ideas for the holiday party, which would likely be virtual. He also solicited feedback and ideas about the time and content of the newly established second monthly meeting.
- The September meeting minutes were approved as read in the October Nugget.
- Treasurer Darrell Robb reported the Club was solvent and with healthy reserves. The property insurance for the Shop had been paid and the Club had no liability. The next large expense coming due would be the CFMS membership dues.
- On behalf of Program Manager Ken Rogers, Brad Smith informed the November speakers would be Dick and Mary Pat Weber.
- Alexa Hunter informed she had not started contacting people to accept nominations for next year's election slate yet. Ana M. Strambi and Darrell Robb indicated they were willing to be nominated for the Recording Secretary and Treasurer positions respectively, which they currently hold.

The monthly program followed with speaker Walter Lombardo, after which the meeting adjourned at 8:32 PM.

Submitted by  
**Ana M. Strambi Guimaraes**  
Recording Secretary  
Based on recording

# Executive Meeting Minutes

## September 28, 2020

Committee convened on Zoom at 7pm

Motion was made by Jette to approve the September committee minutes as published in the October Nugget. Seconded by Alexa and passed by acclamation.

**Nominations Committee** - Alexa Hunter reported she is in the final phase of preparing a list of nominees for 2021.

She will supply the list of officers and committee chairs to Janet for the November Nugget.

**Shop Committee** - Steve Dover - Shop is open Fridays and Saturdays by appointment under Covid-19 rules. Grinding wheels have been fixed, and everything seems to be running well. Bathroom door was found unlocked one time, and it appeared a vagrant had moved in. Some graffiti and human excrement have been found outside between shed and trailer. Steve has furnished pictures. Brad will make a report to the Culver City police department.

**Programs** - Ken Rogers - Announced that our speaker for November will be Dick Weber talking about the geological wonders of Australia.

A brief discussion was held about options for the traditional December party. No fresh ideas were found for a holiday-themed event that could be conducted online. Only new thought might be to make a donation to a local charity in the name of the Club. A speaker is not normally booked for December. Perhaps this year we should.

Submitted by  
**Brad Smith**  
President



# 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 July 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 and yard sales, a holiday party in December and a great 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
Individuals	\$20	\$25	\$15
Two persons same address	\$35	\$35	\$25
Junior (under 18)	\$15	\$10	\$5

Application can be found here: <http://www.culvercityrocks.org/membership.htm>

## We'd love to feature YOU in the next Nugget.

Tell us a little about yourself, include some photos so we can "meet" you and throw in your website URL to share the greatness that is you. Send your info to: [nugget@culvercityrocks.com](mailto:nugget@culvercityrocks.com)

# CCRMC Community Marketplace

## The I Need Cash Sale (Miracle Mile 90019)

### Beads

- Gemstones in many shapes and sizes
- Pearls - Glass - Seed Beads (at or below cost)
- Silver - Sterling (Bali) [60c/gr & up] - Silver Hill Tribe [85c/gr & up] - Vermeil [75c/gr & up]

### Findings

- Head Pins & clasps

### Chains

- Sterling, fine silver, gold fill

### Pendants

- Gemstones, carved opal

Sterling Silver - scrap, sheet (.925)

### Gemstone Rough & Slabs

- Jadite, nephrite jade, nephrite w/ black magnetite, bertrandite, sugilite, quartz, turquoise, coprolite, dino bone, horse canyon agate, jaspers

### Specimens & Crystals

Great low, close out prices

Contact: Ken Rogers 323-965-2752 (10am-10pm) or [kenrogers4u@gmail.com](mailto:kenrogers4u@gmail.com)

Outdoors - masks - distancing - NO crowds  
By appointment only & groups of 3 max

The Club is happy to present a space for our members and friends to sell, trade or give away any items related to rocks, minerals, gems, lapidary equipment, jewelry tools and supplies, and rock hounding.

### How to sell an item

Send an email to [nugget@culvercityrocks.org](mailto:nugget@culvercityrocks.org) with the following info:

- Title of the item for sale or the name of your sales event with a brief description
- Picture of the item for sale (if applicable)
- Price
- Seller's name and contact information
- Date of event (if applicable)



## CFMS News

### CFMS Member Fees

Every year our CFMS Societies/Clubs pay a per member amount to take advantage of the services offered by the Federation and be covered under the general public liability insurance policy purchased annually through McDaniel Insurance Services. Many of you might be curious how that \$8 amount paid is allocated.

A few organizations loosely refer to it as “dues”. Actually only \$2 of that is for dues and CFMS pays \$.75 of that amount to the American Federation of Mineralogical Societies (AFMS) to cover our membership in the national organization. That leaves \$1.25 for CFMS to help cover operation expenses. When you factor in fact that we had to not only cancel our show but both Earth Science Camps this year, you can see that there’s not much wiggle room. Thank goodness for the Endowment Fund! We all need to thank the forward thinking persons who established that fund in 1987.

The remaining \$6 covers the premium cost of the general liability policy and the blanket Officers and Directors policy that allows the member societies/clubs to purchase a similar policy at a greatly reduced price. The premium was due October 16. We know time are hard. Let’s hope 2021 brings needed relief.

*As published in the October 2020 CFMS Newsletter*

## Upcoming CFMS Shows

Many clubs have canceled or changed their show dates due to Covid-19. At the time of publication, all shows for the month of November have been canceled.

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

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

## More CFMS News

For more CFMS news and to read their newsletter, head to: <https://www.cfmsinc.org/>



## AFMS News

### Who is the ALAA?

In 1991, the President of the American Federation of Mineralogical Societies (AFMS) appointed a select committee to recommend ways to make the Federation more effectively responsive to the political challenges of increasing regulation and decreasing access to public lands that state and federal land management agencies were imposing on amateur fossil and mineral collectors.

The committee recommended that the AFMS form a separate 501(c)(4) organization whose primary purpose would be to promote the amateur collectors’ interests in present and proposed policies, rules, regulations and legislation with State and Federal land managers, elected officials and legislators. In compliance with that recommendation, the AFMS directors voted to establish the American Lands Access Association (ALAA) in July 1992 at their convention in Brunswick, Ohio. The association is a 501 (c)(4) (non-profit) organization which means that all moneys raised by the association can go toward lobbying activity. Donations and memberships to ALAA are not tax-deductible.

The purpose of the association is to promote and ensure the rights of amateur fossil and mineral collecting, recreational prospecting and mining, and the use of public and private lands for educational and recreational purposes; and to carry the voice of all amateur collectors and hobbyists to our elected officials, government regulators and public land managers.

Their work began immediately!

Within days of the July meeting, Senator Max Baucus (D-MT) introduced the Vertebrate Paleontological Resources Protection Act of 1992 into the U.S. Senate. If enacted, the legislation would have ended amateur fossil collecting on all public lands managed by the Federal government except under supervision of certain degreed paleontologists in “acceptable institutions.”

ALAA has become an organization that is present wherever there are hobbyist and recreational users of our public lands whose interests and concerns are not being heard or are being jeopardized by proposed policy, regulation or legislation at the local, state and federal level. From defeating the Baucus Bill in 1992 to coordinating massive public protest to the proposed US Forest Service rules (withdrawn) and the Bureau of Land Management’s RS (Revised Statutes) 2477 Rights-of-Way (rewritten), the ALAA has earned the respect of public officials from Washington, DC to state capitols across the

*Continued on next page*

## Who is the ALAA? Con't.

country as the voice of the amateur and recreational users of public lands. The association has also formed working relationships with many other organizations fighting for private property rights and multiple use of public lands including the Blue Ribbon Coalition as well as treasure hunters, metal detectors fishing and hunting enthusiasts, and mining and timber interests.

With this network of contacts, the Association reaches into every State and into every Congressional District in the country on a national level. That network provides a swift and effective response to issues brought to our attention.

On another level, many officers, directors and members of the association have developed ongoing working relationships with local, state and federal officials and legislators. This other network provides us with immediate access to and an impact on many proposals for changing regulations, policy or legislation before they become set in the concrete of implementation. ALAA is also there when there are confrontations in the field and when proposals are made for expanding federal ownership of land such as publicizing and fighting the Heritage Corridor Act, and other attempts to establish additional wilderness areas under federal control.

Your help is needed to continue our struggle to protect public lands to whom they belong! [ADD YOUR VOICE TO OURS!](#)

*Author: Shirley Leeson, ALAA President.  
As published in the November 2020 AFMS Newsletter*

## AFMS Shop Suggestions

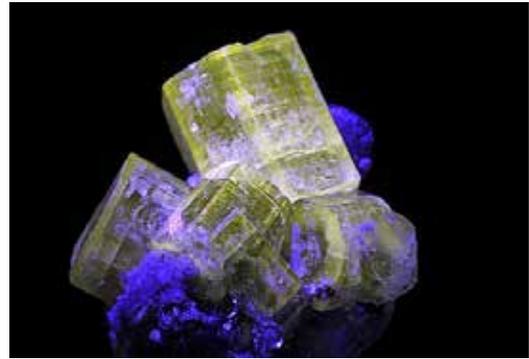
Compiled by Bernice D. Schilling. San Fernando Valley Mineral and Gem Society, 1975

### Working with Silver and Gold

1. An excellent cleaner for silver and gold findings is a can of 7-UP. Dip findings, rinse well, rub with a soft cloth. Use separate solutions for gold and for silver—*The Polished Slab*
2. To antique silver jewelry. Paint the places to be darkened with RAW EGG YOLK. Rinse off the egg and rub high-lights with Linde A—*Del Air Bulletin*
3. To rub smooth the high points of a gold or silver article, use sodium bicarbonate with a minimum of water—*Del Air Bulletin*

Note on turquoise: A touch of ammonia will brighten the polish on turquoise. Apply it, dry it and then buff the stone lightly—*Gems*

## What Mineral Am I?



*Under UV light, from Panasqueira Mines, Covilhã, Castelo Branco, Portugal.*

Parent Géry, Public domain, via Wikimedia Commons

I have glassy luster. My glassy yellow crystals are found in Mexico. My large, blue and green six-sided crystals are found in Canada, often found in orange Calcite. And my glassy purple six-sided crystals are found in Portugal.

I am the most common phosphate mineral, which means I contain the element phosphorous.

Phosphate is an important fertilizer for plants and crops. The teeth and bones of most animals are made of calcium phosphate, which is the same as my chemical formula.

I am number 5 on the mineral hardness scale.



*Gemmy and lustrous green crystals aesthetically set in parallel on sparkly pink calcite matrix. Locality is Cardiff Township, Ontario Canada.  
Rob Lavinsky, iRocks.com – CC-BY-SA-3.0, CC BY-SA 3.0 <https://creativecommons.org/licenses/by-sa/3.0>, via Wikimedia Commons*

What mineral am I? Answer on page 12

*Mini Miners Monthly, October Vol. 12 No. 10*

*Happy*

*Thanksgiving!*

# the Nugget - Submissions

Submissions deadline is on the 15<sup>th</sup> 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](mailto: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 10<sup>th</sup> of the month.

Send materials to:  
Culver City Rock and Mineral Club  
Attn: Editor  
P.O. Box 3324  
Culver City, CA 90231

# 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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# 2020 Elected Officers

**President**  
Brad Smith

**Vice President**  
Steve Dover

**Treasurer**  
Darrell Robb

**Recording Secretary**  
Ana Maria Strambi Guimaraes

**Corresponding Secretary**  
Véronique Gautherot

**Parliamentarian**  
Jon P. Gowling

# Committee Chairs

- Education Chair – Karen Wallen
- Federation Director – Rick Shaffer
- Field Trips – Devon Lloyd
- Historian – Virginia Hollis
- Librarian – Andrea Fabian
- Membership – Stephanie Dangott
- Membership Co-Chair – Laura Seffer
- Minerals – Devon Lloyd
- Photography – Pam Leitner
- Programs – Ken Rogers
- Publications – Janet Gampe
- Publicity – Janice Metz
- Show – Adrienne Louie
- Shop Committee – President, Vice President & Shop Instructors
- Social – VACANT
- Sunshine – Felice Ganz
- Trading Post – Gary Mitchell
- Webmaster – Jette Sorensen
- Workshops – Janice Metz

# Board of Directors

**2020**  
Anna Maria Strambi Guimaraes  
Bruce Mensinger

**2021**  
Franne Einberg  
Gary Mitchell

**2022**  
Virginia Hollis  
Janet Louie

Answer: Apatite

The CCRMC is a non-profit 501(c)(4) organization.

Culver City Rock & Mineral Club, Inc.

the Nugget  
PO Box 3324  
Culver City, CA 90231

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MONTHLY  
NEWSLETTER OF THE  
CULVER CITY ROCK &  
MINERAL CLUB

# the NUGGET



Frances Aldrich