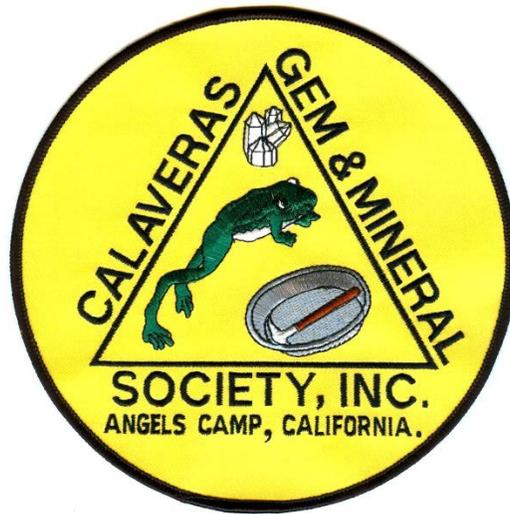


The Golden Frog



DECEMBER 2019 EDITION

Robin Williams, Newsletter Editor
Calaveras Gem and Mineral Society
P.O. Box 1135
Murphys, CA 95247

Calaveras Gem & Mineral Society, Inc.
 P.O. Box 517
 Angels Camp, CA 95222

Clubhouse: 2500 Meacham Ranch Road

Website: www.calaverasgemandmineral.org

Est. in 1948 and incorporated in 1950 as a non-profit charitable organization dedicated to share our love of rocks & minerals and all the lapidary arts with our community. Member of both the California and American Federation Mineralogical Societies.

DEC. BIRTHSTONE



TURQUOISE

2019 BOARD of DIRECTORS



PRESIDENT
 Anna Christiansen
achristiansen7132@comcast.net



VICE PRESIDENT
 Lynn Becker
beckerbk@sbcglobal.net



SECRETARY
 Debby Brooks
dbb49@att.net



TREASURER
 Karen Crabtree
kcetc@volcano.net



FEDERATION DIRECTOR
 Marion Roberts
mvroberts1@comcast.net



FIELD TRIP CHAIRMAN
 Brad Becker
beckerbk@sbcglobal.net



GEMSHOW CHAIRMAN & NEWLETTER EDITOR
 Robin Williams
robinski@yahoo.com



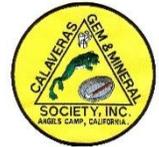
1st DIRECTOR
 Bob Young
ryoung1738@aol.com



2nd DIRECTOR
 Amy Sturdivant
amy95247@yahoo.com



3rd DIRECTOR
 Pat Gulyas
golddustmurphy@yahoo.com



ADDITIONAL CLUB POSITIONS:



SHOPmasters
 Murray Smith & Marilyn Bodle
marilyndte@gmail.com



PROGRAMS
 Tom Harrington
thomasharrington266@gmail.com



WEBmaster
 Andrew Brown
brown.andrewg@gmail.com



HISTORIAN
 Loretta Pagni
lorettapagni@aol.com



A Message from Our PRESIDENT...

Happy Holidays Everyone!

I was so happy to see so many people at our November meeting.



Turkeys by Marilyn Bodle



Mashed Potatoes
by Brenda Barboza

The variety of food was outstanding and I think we have the best cooks around.

- Our Member Auction was successful and people had a good time bidding on great items.
- Thanks to all the members who helped on the clean-up day.
- Our tailgate was very fun and thank you to all the vendors and the members who helped make it such a success.
- Hope to see you all at our December meeting. Remember, it is our gift exchange *but*, you only have to participate if you want to.

Anna Christiansen, 2019 President

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DEC 15th Meeting Info

- 3rd Sunday, December 15, 2019
- Meet & Greet begins at 11:00 a.m.
- Christmas Pot Luck at Noon
- General Membership Meeting
- Election of 2020 Board of Directors
- opt: Christmas Gift Exchange
- opt: 10 a.m. Board Meeting TBA



Benny Earl shared his wonderful "Rock" collection with club members in both Oct. and Nov. Now, it is quite obvious that this young man is serious about rocks so I asked his dad, Brandon, to give us some history...

BENNY LOVES ROCKHOONDING!

My son Benny started his rock collection when he was around 4. The first rocks he found were quartz crystals. Then, within a year his favorites became some dinosaur bones and meteorites.

When he was 5, he told me he wanted to be an archeologist because "he loves fossils and digging". I have been helping him expand his collection ever since. He is now 9 and has hundreds of rocks, crystals, and minerals.

MELODY LOVES AMETHYST!

My daughter Melody is 8 and only recently became interested in collecting rocks... *BUT*...she is very enthusiastic and always interested in learning about new things so now we are building up her collection. Her favorites are crystals, esp. amethyst.

CALLING ALL CLUB MEMBERS

Our club mission is to share our LOVE of ROCKS and MINERALS with EVERYONE.

Dig through your collections and find some fun specimens and bring them to the Christmas meeting to share with these two great kids. Keep the Hobby Alive!

GENERAL MEETING MINUTES from Nov. 17th, 2019

CGMS General Meeting Minutes November 17, 2019

Meeting called to Order at 1:23 p.m.
by President Anna Christiansen

Pledge of Allegiance

Board of Directors Present

President: Anna Christiansen
Vice President: Lynn Becker
Secretary: Debby Brooks
Treasurer: Karen Crabtree
Field Trip: Brad Becker
Show Chair/Editor: Robin Williams
1 Year Director: Bob Young
2 Year Director: Amy Sturdivant
3 Year Director: Pat Gulyas

Board of Directors Absent

Federation Director: Marion Roberts

Members Present: 43 **Guests:** 0

Minutes from October 20, 2019

Romy Mueller made a motion to accept the minutes from October 20, 2019 as presented. Jerold Kyle seconded the motion. Minutes approved by majority.

Club Correspondence: None reported

Treasurer's Report: Karen Crabtree

- The treasurer's report will be posted at the club house for review by club members.
- The Board of Directors has approved the CD located at Central State Credit Union be transferred to El Dorado Savings Bank into a 25-month CD at 2.15% interest.

COMMITTEE REPORTS

Federation Report: Phyllis Kyle

- Marion Roberts will maintain his position as Federation Director for 2020.
- During the Federation Show located at Ogden Utah, there will be a judging training seminar. Contact Marion Roberts if you are interested.
- Phyllis has the 2020 Federation Budget for club member review.

Field Trip: Brad Becker

- No field trips planned until 2020.

Historian/Sunshine Report No report

Newsletter: Robin Williams

- Robin apologized for her creativity in attempting to reschedule Thanksgiving to the 21st on the November calendar, oh, and for eliminating the 24th entirely.
- Club members are asked to submit pictures and articles that other members would enjoy since the newsletter is *for* club members and we appreciate learning about what other members are doing.
- Thank you to Romy and Harold Mueller for your articles in the last two newsletters.

Website/Facebook: No Report

Shop/Classes: Murray Smith/Vance Johnson

- The equipment is working well due to routine maintenance and parts replacements.
- In preparation for the annual gem and mineral show rock auction, larger pieces of rocks are being cut in half and it has been noted that polished faces sell better.
- Club members can be trained on how to correctly use the rock polisher to help prepare rocks for sale. Talk to Murray or Vance to express your interest.
- A tarp has been purchased to cover the leaky trailer. Need 4 people to manipulate the tarp over the trailer.
- All the clocks have new batteries and are all on time.

Gem Show Report: Robin Williams

- The show desperately needs a RAFFLE Chairperson. The raffle is a big income maker and needs one person to oversee the process of getting the items ready for the raffle.
- Robin & Lynn will research the purchase price for vinyl banners to hang from the show canopies in Mark Twain Hall.
- Important Show positions **STILL** need to be filled. Check with Robin with your interest.

Continued on page 5...

Continued... GENERAL MEETING MINUTES from Nov. 17th, 2019**Gem Show Report continued...**

- Show Advertising is needed to go into the "Streets". Robin is open for suggestions as to how to get the word out about the Show. Need members to put the signs up on the highways.
- The table cover project is completed. Thank you to all who helped with this task. The show set-up will now go faster and require fewer volunteers.

Election of 2020 Officers:

- The slate of candidates is on the chalk board at the front of the club house. As a member, if you are interested, please add your name.
- Election of Officers will be at the December 15th meeting and installation will be at the January 2020 meeting.

NOV Tail Gate Report:

Lynn Becker

The recent tail gate sale was a great success; the weather was perfect and well attended by interested buyers. There was a lot of interest in the club from attendees.

The Tail Gate garnered income for the club and sparked interest through outreach into the community.

NEW BUSINESS

Clean Up Day Thank you to all club members that cleaned the club house and shop at the Clean Up Day, October 26, 2019: Lynn Becker, Brad Becker, Marilyn Bodle, Murray Smith, Pat Gulyas, Jerry Culver, Jim Vicars, Sandy O, Vicky O, Tom Harrington, Cookie Hirn, Brenda Barboza, and Vance Johnson.

Camp Paradise 2020 Sponsorship:

A form is being developed for those interested in a sponsorship to attend 2020 Camp Paradise and will be in the December newsletter. (Pg. 8) Club members will be informed on details.

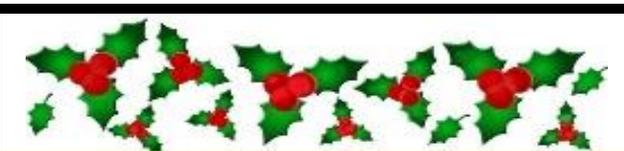
Program Announcements: Tom Harrington

- "Mineral Collecting in the Arizona Mining District", presented by Ross Grunwald in Nov. (See report on page 6 of this Newsletter)
- January 2020 meeting: Joan Sutton will present "How to Design a Display Case Exhibit".

Display Case Volunteers:

- Thank you, Benny and Melody, for your time and effort in putting together a beautiful display case for all to enjoy in October and November! (See article on page 3)

- December Case Volunteer: Marilyn Bodle

**Annual Christmas Meeting is Dec. 15th!**

- The club will supply Ham for all to enjoy. Please bring your favorite Christmas dishes for the December 15th potluck.
- December 15th is also our Annual Christmas Gift Exchange. The gift exchange is voluntary and optional...however, to receive a gift you must bring a gift.

EDITOR'S NOTE: Girls bring a girl gift and boys bring a boy gift...otherwise, some guy is going to get a girlie gift or vice versa.

- The meeting was adjourned at 1:52 p.m. by President Anna Christiansen.

Minutes respectfully submitted by,
Debby Brooks, Secretary
Calaveras Gem and Mineral Society



Yummy Turquoise

There's "Wulfs" in them thar Hills at Red Cloud Mine



Wulfenite: $Pb(MoO_4)$
 was first named "plumbum spatosum flavorubrum" but was "mercifully renamed wulfenite" in 1845 in honor of Franz Xaver von Wulfen who had written lots about the ores of Bleiberg, Austria.

#1

Wulfenite: $Pb(MoO_4)$
 Of all the deposits on earth*, the Red Cloud mine ranks number one for both the color and quality of its crystals.

* Other important world locations include the Tsumeb mine, Namibia; Los Lamentos, Mexico; China; and several more deposits in Arizona.



Wulfenite: $Pb(MoO_4)$

2017...

WULFENITE was officially recognized as the official ARIZONA State Mineral.

WULFENITE & the RED CLOUD MINE

The Red Cloud mine was originally discovered in 1878 in what is called "The Silver District" in the Trigo Mountains, La Paz County, Arizona, about 51 miles north of Yuma.

High-grade silver ore and lead ore was mined there until 1889 and sporadically thereafter...but it wasn't until the historic discovery in 1938 of some of the most spectacular bright orange-red wulfenites ever found by Ed Over ...that the Red Cloud mine caught world-wide attention.

Owner-ship of the mine has changed hands over the years but in 1996, it was re-opened just for its WULFENITE crystals and by pure luck, a crystal-lined pocket, (one they called the "Red Gem Pocket"), was found to contain gem-quality, deep orange-red wulfenite crystals that may be the finest examples to have ever been found at the Red Cloud. Some were more than one inch in size although none have reached the 2-1/2-inch specimens found by Ed Over.

Wulfenite crystallizes in the tetragonal system as flat, square, tabular plates, often with pyramidal bevels along the edges. Although it has a high index of refraction...is often transparent, gemmy, with bright yellow, orange and red colors...it is a poor gemstone because it is soft (2.5-3) and brittle.

The RED CLOUD MINE TODAY...

Wulfenite may have remained an un-thought-of mineral for most of us were it not for club member Ross Grunwald bringing it to our attention through his great program in November. Even better, his recent trip to the Red Cloud Mine (and its 2 neighbors), brought the latest info about visiting the mine and being able to "mine" for your very own wulfenite specimens.



Nice cluster of in-situ wulfenite crystals.

Ross shared maps and mine cross-sections along with anecdotes of his wulfenite "digging experience" at the mine. The 17-mile trip over unpaved roads is do-able and so is the trek into the mine to dig for your own specimens and a \$35 day fee is certainly fair. {Ross went with an Arizona Rock club for a reduced \$25 fee.} If you are interested in learning more about making the trip yourself, give Ross a shout-out.

NOVEMBER MEMBER PHOTOS

IT WAS A VERY HAPPY THANKSGIVING



LINING UP FOR CHOW
Joan, Cate, Jim, Karen & Jim



NOVEMBER DESSERTS
Check out Sandi's "Magical English Trifle"
- at the back on right [see Nov. Edition, Pg. 8]



Romy, Harold, Veda, Jerry, Ross & Barbara



Dishin' up is Jerry, Sandi, Dee & Anna.
(There was tons of gravy by Debby B. and
yummy dressing by Pat G. and Sandi K.)

HOLIDAY MEAL F.Y.I.

If you wondered why five ladies were selected for a special acknowledgement for their food contribution to the November Thanksgiving Pot Luck (see also page 2) well, let me explain...

For three special days each year...

- Father's Day BBQ in May
- Thanksgiving in Nov.
- Christmas in Dec.

...the CGMS pays for the main entrées for our Pot Luck Lunch, BUT, with a teeny tiny catch...a member needs to volunteer to do the cooking of that entrée for at least 50 participants!

These five were the Nov. volunteers that signed up for the task.

Of course, the meal would have been totally dull if the rest of us hadn't brought the rest of the fixin's. So, a big **HATS OFF TO EVERYONE** for making the meal so outstanding!



Debby B. has volunteered to cook "HAM for 50" for the Christmas Dinner? Now, who's bringing applesauce?



APPLICATION for CGMS SPONSORSHIP to 2020 CAMP PARADISE

As a non-profit volunteer organization dedicated to advancing the knowledge of Rocks and Minerals, the CGMS is offering the opportunity of this sponsorship:
A one-week paid admission to 2020 Camp Paradise
~ Earth Sciences Teaching Program ~

DEADLINE for APPLICATION: FEBRUARY 1, 2020

Mail this completed form to:
CGMS CLUB SECRETARY, P.O. Box 517, Angels Camp, CA 95222

~ RULES of SPONSORSHIP ~

1. Applicant must be able to answer **yes** to the following:

- I have been an active member of CGMS for at least one year.
 - I have actively participated in one or more club events other than monthly meetings.
 - I have attended one or more Shop Day classes.
- List the Class(es) & Teacher(s):

I have completed this application, including the written reason of why I should be chosen for the 2020 Sponsorship.

2. If chosen, upon completion of a week at 2020 Camp Paradise, the applicant must be willing to answer **yes** to the following:

- I will give my personal account of my week at camp at a club meeting.
- I will bring examples of my completed work from camp to a club meeting.
- I will teach at least one class to members, sharing a technique I learned at camp.

NAME: _____

PHONE: _____ CELL: _____

EMAIL: _____

3. Why I should be chosen for the 2020 Camp Paradise Sponsorship:

Signature: _____ Date: _____

2020 GEM SHOW UPDATES



CGMS to make BOLO TIES For Display Case Gifts

Thanks to a donation by Alan Altaffer we have the materials to make 50 Bolo Tie gifts for the Display Case Participants at our 2020 Gem Show.

Now all we need are the GEMSTONES & CABOCHONS to glue to the findings that Alan provided.

WANTED

Freeform Stones & Cabs



We won't be using metal bezels so an irregular size or shape is fine. We'd like to stay around 1-1/2 x 2 inches.

We have lots of really ugly brown stuff so what we need are some pretty stones.

We need your contribution as soon as possible, so start bringing your donations to the December meeting, PLEASE.

Your club needs you.

The SHOW is shaping up nicely as far as Guest Participants and Dealers are concerned. We just seem to be lacking in member "leaders" to make the club fundraising venues happen.



1. We still do not have a Raffle Chairman.

HOSPITALITY

2. We still don't have Hospitality Chairman.



GEM & MINERAL

SHOW & SALE

MARCH 4th WEEKEND

Calaveras Fairgrounds

calaverasgemandmineral.org



3. There's no one to handle street signs.

We know there are STRONG LEADERS out there...come forth and make yourselves known! WE NEED YOU! Don't be shy. We'll help you through every step...you don't have to reinvent anything and we'll guide you every way possible. You won't fail

■ BOARD MEETING MINUTES from Nov. 17th, 2019

Calaveras Gem and Mineral Society
Board of Directors Meeting
November 17, 2019

■ Meeting called to Order at 10:26 a.m.
by President Anna Christiansen

■ Board Members Present:

President: Anna Christiansen
Vice President: Lynn Becker
Secretary: Debby Brooks
Treasurer: Karen Crabtree
Field Trip: Brad Becker
Show Chair/Editor: Robin Williams
1 Year Director: Bob Young
2 Year Director: Amy Sturdivant
3 Year Director: Pat Gulyas

■ Board Member Absent:

Federation Director: Marion Roberts

OLD BUSINESS

■ The purchase of the new NEWSLETTER printer is on hold at this time.

■ The MEMORIAL BENCH in memory of Dan Brooks has been installed in front of the club house.

■ The AUDIT COMMITTEE will be meeting before the end of the year to complete the audit. The Audit Committee members are: Karen Crabtree, Lynn Becker and Cookie Hirn.

■ The BELTS purchased by Bob Young have been installed for the vertical sander polisher.

■ MEMBERSHIP CARDS -Lynn Becker is researching a vendor to obtain prices.

■ TABLE CLOTH BINS -The table cloths used to cover the tables during the show require storage bins. Lynn Becker is investigating bins and prices - which are difficult to order on line, due to the size of the bins not stated in inches. Original estimate of 20 bins will be needed. The Bin discussion was tabled as more research is needed.

■ CLUB T-SHIRTS -Anna Christiansen is researching the prices for t shirts, hats etc.

■ -Murray Smith has purchased the tarp to cover the old shop trailer. Pat Gulyas made a motion to reimburse Murray for the cost of the tarp. Bob Young seconded the motion. The motion passed by majority to reimburse Murray for the cost of the tarp.

■ An application will be developed for candidates to use when applying for the 2020 CAMP PARADISE SPONSORSHIP - which will cover a one week stay at Camp Paradise. It will describe what the expectations are for the candidate chosen to receive the Sponsorship from the Club. The selection process will begin February 1, 2020.

■ BY LAWS -Anna Christiansen is working on the revised By-Laws - an ongoing project.

■ SLATE OF CANDIDATES FOR 2020 OFFICERS

President: Anna Christiansen
Vice President: Lynn Becker
Secretary: Debby Brooks
Treasurer: Karen Crabtree
Field Trip: Bob Young
Show Chair/Editor: Robin Williams
1 Year Director: Amy Sturdivant
2 Year Director: Pat Gulyas
3 Year Director: ? _____

All current dues-paid club members are eligible to be an officer and can add their name to the slate of candidates located on the chalkboard at the front of the club house. Club Members will vote at the December meeting for the 2020 officers. The new officers will be installed at the January 2020 meeting.

■ TREASURER'S REPORT -Karen is requesting a 2nd Post Office key so that there is a back-up for mail pickup. She is suggesting the Secretary be the recipient of the second key. Lynn Becker made a motion that the secretary have a Post Office key. Bob Young seconded the motion. The motion passed by majority vote. Karen will have a second key made and give it to the secretary.

■ The checking account at Central Sierra Credit Union has been closed. Karen is requesting Board direction on what to do with the unused checks. The Board directed her to shred the unused checks.

Cont. on page 11...

Cont....BOARD MEETING MINUTES from Nov. 17th, 2019

■ **CD PURCHASE** -Karen Crabtree presented the opportunity to open a CD at El Dorado Savings, a 25 month certificate at 2.15% interest. Robin W. made a motion to open a CD at El Dorado savings. Bob Young seconded the motion. The motion passed by majority.

■ **BUDGET COMMITTEE FORMATION** -Volunteers for the Budget Committee are Lynn Becker, Karen Crabtree, Anna Christiansen, Robin Williams, and Debby Brooks will meet December 14 at 10:00 a.m. to build a budget for 2020. Lynn will create a 5-year expense report as a backdrop to develop the budget.

■ **NEW MEMBER BIRTHDAYS** -Lynn Becker will give Robin Williams a copy of new member applications, to include Birthdays in the Newsletter Calendar. (EDITOR'S NOTE: If your birthday has not been listed (or is incorrect), notify Robin at robinski@yahoo.com with your correct month and day.)



■ **GEM SHOW BANNERS** -Robin is requesting board assistance with creating permanent banners to be used on the canopies at the Gem and Mineral show. Having permanent banners will alleviate the need to recreate canopy banners every year. Lynn will research the cost of the banners.

■ Meeting Adjourned at 11:25 a.m.
by President Anna Christiansen

Minutes respectfully submitted,
Debby Brooks, Secretary
Calaveras Gem and Mineral Society

LORETTA'S CHINESE WRITING ROCK

Or, Historical Rock Hunting Trip ends up with Chinese Writing Rock!



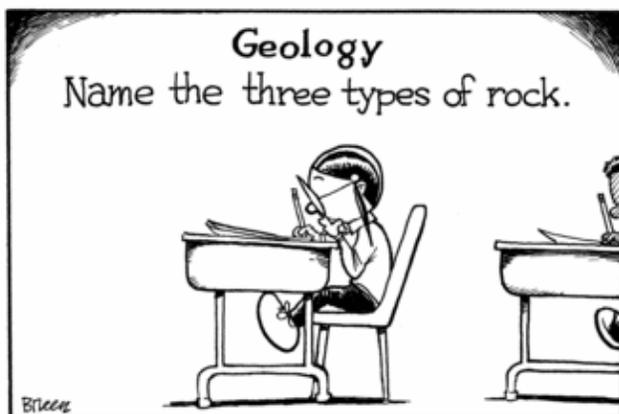
At one time, my Dad (Charlie Pagni), Al Greene, (possibly Joe Domecq) and other members went up to Auburn, CA. (This was before the Auburn highway was completed.)



This rock was found while cutting the highway. Only so much was recovered before the highway was finished and unfortunately the area is now inaccessible.

The rock had white inclusions in Porphyry Rock which is very hard, metamorphic, with large grained crystals (such as feldspar or quartz) dispersed in a fine-grained silicate rich matrix and geologists call it Chinese Writing Rock!

By Loretta Pagni
CGMS Historian



 **DECEMBER 2019** 

SUN	MON	TUES	WED	THURS	FRI	SAT
1 Dave D.	2	3	4	5	6 Ken C.	7 SHOP
8	9 Joan S.	10 Nellie B.	11	12	13 Teresa C.	14 SHOP
15 Meeting 11 a.m.	16	17	18	19	20 Marylin N. Dave B.	21 SHOP
22	23	24	25 CHRISTMAS	26	27	28 NO SHOP
29	30	31 NEW YEAR'S EVE				

DEC BIRTHDAYS		DEC EVENTS														
<table border="1"> <tr><td>Dave Duncan</td><td>1</td></tr> <tr><td>Ken Chizek</td><td>6</td></tr> <tr><td>Joan Sutton</td><td>9</td></tr> <tr><td>Nellie Byam</td><td>10</td></tr> <tr><td>Teresa Casler</td><td>13</td></tr> <tr><td>Marylin Nelson</td><td>20</td></tr> <tr><td>Dave Barboza</td><td>20</td></tr> </table>	Dave Duncan	1	Ken Chizek	6	Joan Sutton	9	Nellie Byam	10	Teresa Casler	13	Marylin Nelson	20	Dave Barboza	20	<p><i>Thought for the Day</i></p> <p>Why does Superman stand tall to stop bullets with his chest, but duck down when you throw a revolver at him?</p>	<p>No DEC GEM SHOWS</p> <p>See y'all in QUARTZITE!</p>
Dave Duncan	1															
Ken Chizek	6															
Joan Sutton	9															
Nellie Byam	10															
Teresa Casler	13															
Marylin Nelson	20															
Dave Barboza	20															

