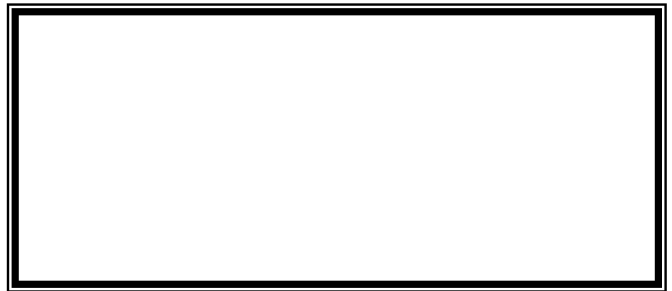




**YUBA SUTTER GEMS  
P.O. BOX 269  
MARYSVILLE, CA 95901-3118**



## **GENERAL EDUCATION MEETING**

Thursday, August 22, 2019  
7:30 pm  
Feather River Baptist Church  
5400 Chestnut Road  
Olivehurst, CA 95961

**SUTTER BUTTES GEM & MINERAL SOCIETY**

**P. O. Box 269**

**MARYSVILLE, CA 95901**

**EXECUTIVE COMMITTEE 2019**

**OFFICERS**

**(Area Code: 530)**

<b>President</b>	<b>Larry Baird</b>	<b>916-607-7734</b>
<b>Vice President</b>	<b>Tim Unruh</b>	<b>633-9623</b>
<b>Secretary</b>	<b>Inez Berg</b>	<b>633-4612</b>
<b>Treasurer</b>	<b>Karen Horita</b>	<b>916-677-6696</b>
<b>Bulletin Editor</b>	<b>Carollyn Lutton</b>	<b>823-1917</b>
<b>Field Trip Chairman</b>	<b>Tim Unruh/Gerry Hill</b>	<b>633-9623</b>
<b>Show Chairman</b>	<b>Karen Horita</b>	<b>916-677-6696</b>

**DIRECTORS**

<b>Past President</b>	<b>Debra Bluford</b>	<b>916-308-6907</b>
<b>1-Yr Director</b>	<b>Lucy Baird-Clark</b>	<b>743-5561</b>
<b>2-Yr Director</b>	<b>Candi Baird</b>	<b>635-5167</b>
<b>3-Yr Director</b>	<b>Rebecca Heverin</b>	<b>743-3808</b>

**STANDING COMMITTEES**

<b>Federation Director</b>	<b>Inez Berg</b>
<b>Program Chairman</b>	<b>Tim Unruh</b>
<b>Membership Chairman</b>	
<b>Club Librarian</b>	<b>Inez Berg</b>
<b>Junior Director (Rock Stars)</b>	<b>Inez Berg</b>
<b>Publicity</b>	<b>Karen Horita</b>
<b>Historian</b>	
<b>Sunshine Chairman</b>	<b>Carol Nelson</b> <b>673-2146</b>
<b>Hospitality Chairman</b>	<b>All Club Members</b>
<b>Web Site</b>	<b>sutterbuttesgemmin.org</b>

**Sutter Buttes Gem & Mineral Society is a member of  
California Federation of Mineralogical Societies  
and affiliated with the American Federation of Mineralogical Societies**

**Exchange Bulletins send to: Bulletin Editor  
P.O. Box 269  
Marysville, CA 95901**

**(Club bulletin material should be in-hand of the  
Editor by the third Tuesday of the month.  
Permission to reprint is granted, proper credit will  
be appreciated.)**

**DUES: Single - \$20.00**

**Family - \$25.00**

**MEETING PLACE:**

**Feather River Baptist Church  
5400 Chestnut Road, Olivehurst, CA 95961**

**TIME: Executive Board, 4th Thurs, 7:00 pm  
Education Meeting 4<sup>th</sup> Thurs, 7:30 pm**

# YUBA SUTTER GEMS

August 2019

SUTTER BUTTES GEM & MINERAL SOCIETY

“An All American Club”

## FROM THE PRESIDENT’S PEN

Happy Independence Day, everyone! We had a fun time at our annual picnic on the 13th. By my count, we had 16 members and guests attend. My thanks to Al Horita for cooking up some excellent hamburgers and hot dogs to complement all the other good food everyone brought. By the way, if you have any pictures, please send them to me so I can put them on the website.

Tim Unruh has graciously offered to host a field trip at his home on August 13th to observe the Perseids meteor shower.

I will post his address and a map on the club website under Field Trips (<https://sutterbuttesgemmin.org>).

As always, looking forward to seeing all of you at the August 22 meeting.

Respectfully submitted,  
Larry Baird

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## DATE TO REMEMBER

**Aug 13 6:00 PM Field Trip - Sky Rock Potluck (See page 2 for details)**

**Aug 22** 7:00 PM Business Meeting  
7:30 PM General Educational Meeting, Feather River Baptist Church  
5400 Chestnut Road, Olivehurst, CA  
Program: Rock Identification presented by Jim Hutchins  
(Bring the rocks you want identified)

## UPCOMING SHOWS

Sep 21 -22 Feather River Lapidary & Mineral Society  
Silver Dollar Fairgrounds, 2357 Fair Street  
Chico, CA

Oct 5 – 6 Nevada County Gem and Mineral Society  
Nevada County Fairgrounds, 11228 McCourtney Road  
Grass Valley, CA  
HOURS: Sat 10-5; Sun 10-4

Oct 19 – 20 El Dorado County Mineral & Gem Society  
El Dorado County Fairgrounds, 100 Placerville Drive  
Placerville, CA  
HOURS: 10 – 5 DAILY

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## WELCOME TO NEW MEMBERS

Annette Goulet &  
Chris Larenz  
2071 Sanborn Rd  
Yuba City CA 95993  
Phone: 530-301-4381

\* \* \* \* \*

**BIRTHDAY FOR AUGUST**

**Birthstone – Peridot**

**Flower – Gladiolus**

**5<sup>th</sup> – Ivadel Schmaus**

**31<sup>st</sup> – Bessie Wirth**

Peridot is the gem variety of olivine. Peridot, pronounced “pair-uh-doe,” gets its name from the Arabic word faridat meaning “gem.” It is also known as chrysolite, which comes from the ancient word chrysolithos, meaning “golden stone.” Until the eighteenth century it was called topaz. No matter what you call it, peridot is a special stone.

Peridot is unique in that it is a volcanic gem. You can find small crystals of peridot in volcanic rock like basalt, and material that is explosively thrown out of a volcano like pyroclastics. It is also an “extra-terrestrial” rock, found in meteors that fall to earth.

Peridot is a silicate of magnesium and iron. Its color ranges from green to yellow-green, and very rarely, brown. It has a hardness of 6.5 to 7 and is found in orthorhombic form, usually glassy rounded grains, and rarely in crystal form. Peridot found in crystal form is usually kept as mineral specimens rather than being cut, because of their value. It has an oily look which looks something like olive oil. Its cleavage is imperfect and is brittle.

Peridot was called “evening emerald” by the Romans because its color didn’t darken at night. The color was still visible when viewed by artificial light. It was believed that peridot had many powers that could ward off evil spirits. It was also powdered and used to treat asthma and was held under the tongue to lessen thirst during a fever.

Peridot comes from numerous places around the world, including Burma, Egypt, Norway, Kenya, Mexico, and the United States. Much of the Peridot mined in the U.S. comes from the Navajo Reservation in New Mexico and Arizona.

So those of you that have a birthday in August, can be assured that others will be “Green” with envy to know that your birthstone is Peridot! from *Rock Writings* 8/99

\* \* \* \* \*

**“SKY ROCK POTLUCK”**

“Sky Rock Potluck” will be at the Unruh's Homestead in Sheridan on Tuesday evening, August 13.

This is a Jupiter - Moon - Meteor watch evening near the peak of the Perseid Meteor Shower. Since the Moon will be nearly full, we don't know how visible the meteors will be, which partly depends on the nature of the meteor shower itself this year. We shall see. - Should be a beautiful evening (hopefully no fires this year).

Time: 6:00 PM to 10:00 PM, or so.

Host will provide plates, utensils and cups, and chilled bottled water.

\* \* \* \* \*

**MURPHY’S LAWS FOR ROCKHOUNDS**

1. All good rocks can be found surrounded by either poison oak or rattlesnakes.
2. When completing the final polish on an obsidian cab, the cab will fling off the buffer and fracture upon contact with the ground.
3. Fine grit will always carry over into the polish.
4. A large rock will only roll downhill if a vehicle is in its path.
5. Large crystals will always self-destruct at the tip.
6. A rock will only fall on your foot if you are wearing safety-toed shoes.

-John Shoemaker, Frustrated Rockhound, *CGMS NEWS* 6/95M via *CFMS NEWSLETTER* 8/95

**MINUTES, BOARD MEETING— JUNE 27, 2019**

The meeting was called to order by President Larry Baird. There were 10 members present.

**SECRETARY:** Motion to approve the minutes of the meeting on May 23rd, as printed in the bulletin, was made by Liz, and seconded by Karen.

**TREASURER:** Reports were handed out by Karen. Six (6) vendors have paid for the show. Karen mentioned that Larry needs to be added to the bank signature.

**FIELD TRIPS:** The Pulga field trip, which was canceled in June, was discussed, and will be rescheduled for August. Tim will call the BLM to find new locations for field trips and will pick a date.

**NEW BUSINESS:** Tim handed out dental picks, which are excellent tools for rock picking, to all board members. Larry said that the website needs to be renewed.

**OLD BUSINESS:** The absence of our show times on our show postcards were discussed again. Larry will make labels with the hours and we will put them on at our picnic on July 13th.

**PROGRAMS:** Tim will show a film on asteroids.

There being no further business, motion was made to adjourn the meeting.

Respectfully submitted,  
Candi Baird

**MINUTES, EDUCATION MEETING, JUNE 27, 2019**

The meeting was called to order by President Larry Baird. He then led the flag salute.

**SECRETARY:** Motion to approve the minutes of the meeting of May 23rd, was made and seconded.

**FIELD TRIPS:** Tim will get more info and talk about it at our picnic on July 13th.

**GUESTS/VISITORS:** We had three (3) guests.

**PROGRAM:** Tim showed a film about asteroids. It was about the threat of them hitting earth and about the opportunity of mining them for water and minerals.

Respectfully submitted,  
Candi Baird

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**MINUTES, EXECUTIVE BOARD MEETING, July 13, 2019**

The meeting was called to order by President Larry Baird There were 7 Board members present.

**TREASURER:** Karen handed out printed reports. She reported the bank requires a copy of the minutes showing request to remove Mary’s name and add Larry’s name to the checking account. It was moved, seconded, and passed to remove Mary’s name and add Larry’s name to the checking account. The cost to rent Hammon Grove for our annual picnic was discussed. Bullard’s Bar and Collin’s Lake were discussed but would also involve a rental fee. Parks in Maryville and Yuba City had been visited but most do not have working restrooms, and some had many homeless living there. It was decided that the cost to rent Hammon Grove was justified. Karen had paid the Post Office box rent. Karen will contact the vendors who have not paid. Time to renew the web site, cost will be \$25.00 for the year.

**FIELD TRIP:** Field trip August 13<sup>th</sup> to Tim Unruh’s house for Perseid Meteor Shower. Meet at 6:00 pm for potluck. There being no further business, the meeting was adjourned.

Respectfully submitted,  
Inez Berg, Secretary

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**CFMS – 2019 Camp Paradise, 12728 LaPorte Road, Clipper Mills.**

First week August 25-August 31. Second week September 1 – September 7. This is a church camp, no alcoholic beverages. Per person \$450 dollars per week. This is board and room, plus some supplies for classes. For day trippers the cost is \$255 per week. There are some spaces for RVs. Proposed classes – beginning faceting, lapidary, soft stone carving, silversmith, lost wax casting, beginning through advanced wire art, lamp work bead making, bead weaving, dichroic glass. Go to [www.cfmsinc.org](http://www.cfmsinc.org) for application. I have also printed some.

Inez Berg – CFMS Director

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“An All American Club”

SUTTER BUTTES GEM &amp; MINERAL SOCIETY

**SUTTER BUTTES GEM & MINERAL SOCIETY HISTORY:**

**1991 through 1997** – Study groups, held in member’s homes, for mineral and rock study.

**1993** – Both the June picnic and a field trip were washed out. Show cases were displayed at the annual Yuba-Sutter Fair. Installation/Christmas dinner was at Lee’s Canton.

**1997** – Field trips in 1997 were to Stonyford, Forest Hill, McDermott, Black Butte Reservoir, Yuba River for Yuba Blue, Wonder Mountain in Nevada, and Wall Canyon in Nevada. Several members put in cases at the Yuba-Sutter Fair and took two-hour turns talking to people about rocks and gems. One of the programs that year was on the Do’s and Don’ts of attending a field trip. The club was a member of Superior Cal along with Paradise, Red Bluff, Shasta, Feather River, and members helped at each other’s shows. There was discussion of getting a room at the Youth Center in order to hold classes for children. There was a question of how much insurance would be needed. Our annual picnic was held at a member’s house and the Installation/Christmas dinner was at Lee’s Canton.

Inez Berg, Historian

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**Minerals “R” Us**

by Millie Heym

I looked at the label of my vitamin jar  
 And got a glimpse of what we are:  
 Calcium, magnesium, manganese, and more,  
 In all those bottles at the health food store.  
 The same minerals that make our pretty rocks  
 Are the human body’s building blocks;  
 No wonder we are drawn to stones—  
 They’re literally in our very bones!!

From Coral Geode, 3/00, via BEMS Tumbler 6/04 The Rollin’ Rock 8/10

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**THE STORY OF MONTANA AGATE**

It has always been a mystery how the peculiar little scenes got inside a rock as hard as agate. It is the claim of geologists that the spots were caused by infinitely minute seams of fissures in the softer parts of the rock being filled with metallic oxides when the world was young. These oxides made four different colors that form various combinations of color when blended together or appear in single colors in each rock.

The red color is oxide of iron. The black is oxide of manganese. The green is oxide of copper. The blue is oxide of nickel. This theory has been elaborated by the help of high-powered microscopes which show the tracings of little canals so close together that the naked eye could not detect it. But the oxides remained, staining the rocks in wonderful designs. The fern-like and branch effects of the trees, grass, and shrubbery are smaller canals from a common center. In addition to these canals, the rock became flawed through shrinkage while passing through a period of evaporation which, according to scientists, has taken more than 3 million years to reduce the stone to the hardness of 7 on the Mohs scale.

These canals and flaws have been perfectly healed by soft silicate formations of which the stone is a part, and the evaporation has caused the oxides to take on such forms as are seen on the windows after a frosty night.

Technically, Montana agate is known as “Dendritic” agate, and the moss spots are called Dendrites. It is the third hardest stone in the world and is cut only with a diamond saw. There can never be two pieces alike even though cut from the same stone.

via *GEMS FROM THE REDWOODS*, &

ROCTOC 8/09

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