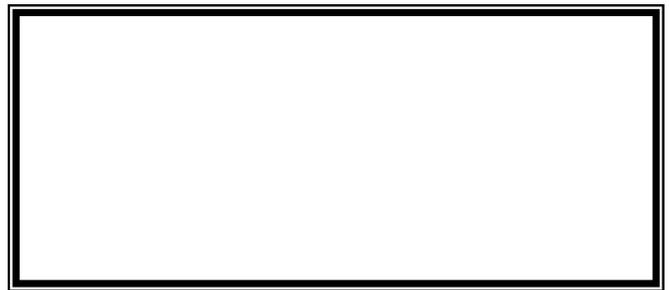




**YUBA SUTTER GEMS
P.O. BOX 269
MARYSVILLE, CA 95901-3118**



GENERAL EDUCATION MEETING

Thursday, February 28, 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 2017

OFFICERS

(Area Code: 530)

President	Karen Horita	916-677-6696
Vice President	Debra Bluford	916-308-6907
Secretary	Inez Berg	633-4612
Treasurer	Mary Cole	916-743-0518
Bulletin Editor	Carolyn Lutton	823-1917
Field Trip Chairman		
Show Chairman	Karen Horita	916-677-6696

DIRECTORS

Past President	Carolyn Lutton	823-1917
1-Yr Director	Liz Foster	741-1713
2-Yr Director	Candi Baird	916-607-7794
3-Yr Director	Lucy Baird-Clark	743-5561

STANDING COMMITTEES

Federation Director	Inez Berg
Program Chairman	
Membership Chairman	
Club Librarian	
Junior Director (Rock Stars)	Inez Berg
Publicity	Karen Horita
Historian	
Sunshine Chairman	Patty Clark 923-7007
Hospitality Chairman	Audrey Kattan
Web Site	sutterbuttes.net

**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, 7:00pm
Education Meeting 4thThurs, 7:30pm**

YUBA SUTTER GEMS

February 2019

SUTTER BUTTES GEM & MINERAL SOCIETY

“An All American Club”

FROM THE PRESIDENT’S PEN

Happy St. Valentine’s Day, everyone. Thanks to Tim Unruh for presenting a DVD called “Birth Of A New Gem” at last month’s meeting. The name of this beautiful new gem is Ammolite, derived from the fossil shells of the 70 million-year-old ammonite crustaceans. If you missed it, you can find more information on the internet.

We have begun adding the monthly club newsletter to the website (<https://sutterbuttesgemmin.org/newsletters>), which you can download. On that subject, if you have anything that you would like for us to consider for the website (articles, pictures, etc.), please contact us.

A friendly reminder, club dues for 2019 are now due. To remain in good standing, you must pay your dues by March 31, 2019.

Looking forward to seeing all of you at the February 28 meeting.

Respectfully submitted,
Larry Baird

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DATE TO REMEMBER

Feb 28 7:00 PM Business Meeting
7:30 PM General Educational Meeting, Feather River Baptist Church
5400 Chestnut Road, Olivehurst, CA

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UPCOMING SHOWS

23-24 Mar Roseville Rock Rollers Gem & Mineral Society
Roseville Fairgrounds, 800 All American City Blvd, Roseville
HOURS: Sat 20-5, Sun 10-4

27 – 28 Apr The Reno Gem & Mineral Society, Inc
Reno sparks Livestock Events Center,
1350 North Wells Ave, Reno
HOURS: Sat 10-5, Sun 10-4

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DON’T FORGET YOUR DUES ARE DUE AND SHOULD BE PAID BY MARCH 31st !!!

Dues should be made out to Sutter Buttes Gem & Mineral Society
They can be paid at the meeting or mailed to
Sutter Buttes G&M Soc, P O Box 269, Marysville, CA 95901

“An All American Club”

SUTTER BUTTES GEM & MINERAL SOCIETY

BIRTHDAYS FOR FEBRUARY

Birthstone: Amethyst Flower: Violet

8th – Kenneth Cole16th – Keith McAfee29th – Tim Unruh***A Very Happy Birthday to all of you!!”***

The true amethyst is a jewel of fabulous beauty. The royal violet color and the delicate fire of the amethyst have made it one of the most admired of gems. An amethyst may be lavender, pale violet, or pinkish blue. It can also be very dark purple. All are lovely gems, but the rarer and more valuable amethyst must be of a certain true color which a jeweler can best distinguish from others.

There are a number of Biblical references to the amethyst. It was one of the 12 precious stones in Aaron’s breastplate; the Jews believed that the amethyst could induce dreams and visions. A curious analogy to hypnosis – it is well known that staring at an object reflecting varying light may produce hypnosis. Even the colors are right – a violet-blue disc, rotated before the eyes, has been known to psychiatrists as an aid to hypnosis as early as 1906.

A few of the amethyst powers are: controls evil thoughts; calms evil passions; quickens intelligence; shrewdness in business; aids the warrior in victory.... The amethyst is not only beautiful, but also powerful
-from *Enjoying Gems* by Wyndham, via *Ghost Sheet* 2/98 and *American River Currents* 2/99

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A ROCKHOUND’S HOME

Rocks on the lawn, rocks in the shed,
Shovels and hammers under the bed,
Boots and knapsacks beside the door,
Clay and grit all over the floor.
Boxes of crystals on the stairs,
A rockhound’s home is a disgrace—
But, oh, it’s such a **HAPPY PLACE!!**

* * * * *

GOLD!!

The accidental discovery of gold in 1848 led to the famous “Gold Rush” and gave California the title, “The Golden State.” Gold was discovered at Sutter’s Mill, east of Sacramento in the American River. Afterward, more than 80,000 people came to California in search of gold, but most found very little of the precious metal. It is estimated that only one in 1,000 miners ever struck gold. The Gold Rush led to California becoming the 31st State of the Union in 1850.

California’s most important gold deposits have been found in the Sierra Nevada and Klamath mountains, and the Mojave Desert.

In the 10 years following the discovery of gold in 1848, miners recovered 24.3 million ounces of gold statewide.

Gold is one of the earliest metals known and used by humans. It will not disintegrate when exposed to oxygen, water, salt or any other naturally occurring material. Gold is so strong, coins and other items made of gold thousands of years ago are still in almost perfect condition.

Gold is still being found in California today. From 1994-1996, approximately 2.6 million ounces of gold were recovered, worth more than \$1 billion

from *Strata Data* 2/01 via *Chip & Lick* 5/01 & *The Rollin’ Rock* 8/02

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MINUTES, BOARD MEETING— January 24, 2019

The meeting was called to order by President Larry Baird. Board members present: Eight

SECRETARY: The minutes of Executive Board Meeting of November 29, 2018 were approved as printed.

NEW BUSINESS: The minutes of the Education Meeting of November 29, 2018 were discussed and not approved as they did not show the slate of officers or the election results. These will be added to the January minutes.

TREASURER: Karen handed out print-outs for November and December. She had also prepared a budget for 2019 for both the club and a proposed show budget. A refund was sent to the Paradise vendor who had her car partially loaded when she received the order to evacuate and did not make it to our show. All other bills were paid. Karen had the audit ready.

CFMS: Inez discussed the fire losses for the Paradise Club and showed pictures of damaged material.

FIELD TRIP: Trip suggestion by Rebecca to visit a Museum and Gold Mine.

WEB SITE: Larry has worked on the web site and asked the board’s okay to put our newsletter on the site. There being no further business, the meeting was adjourned.

Respectfully submitted, Inez Berg, Secretary

MINUTES, EXECUTIVE BOARD MEETING, January 24, 2019

The meeting was called to order by President, Larry Baird. He then conducted the Pledge of Allegiance.

SECRETARY: The minutes of the Education Meeting of November 29, 2018 were discussed. The slate of officers and election results will be added to the January minutes.

TREASURER: Patty was asked to conduct the audit.

GUEST: We had one guest. Annette was introduced by Carol Nelson.

NEW BUSINESS: The web site has been modified. Larry will add the newsletter, pictures and show dates.

OLD BUSINESS: There was no old business. There being no further business, the meeting was adjourned.

ADDENDUM TO MINUTES OF NOVEMBER 29, 2018:

ELECTION OF OFFICERS

ROSTER OF CANDIDATES: President- Larry Baird, Vice President - Tim Unruh, Treasurer – Karen Horita, Secretary – Inez Berg, Bulletin Editor – Carollyn Lutton, Field Trip Chairmen, Tim Unruh & Gerry Hill, Show Chairmen – Karen Horita & Liz Foster, 3-year Director – Rebecca Heverin, 2-year Director – Candi Baird, 1-year Director – Lucy Baird-Clark, Past President – Debra Bluford.

ELECTION OF OFFICERS – Each name was read, and each officer was elected unanimously.

Respectfully submitted, Inez Berg, Secretary

PROGRAM presented by Tim Unruh: DVD – “Ammolite – Birth of a Gem”. Ammolite, the outer, very colorful layers of an Ammonite, were only recognized as gem material in the 1980s after decades of lobbying. An area, large enough for commercial digging was needed and finally found on private land in Canada. The first attempts at polishing and preserving the colored layers were tried in the same manner as opal. Like opal if you grind too far, you lose all color. Today most cutters are from Asia where the stone is recognized as a sign of prosperity. The Ammonite lived in the seas 200-65 million years ago. Their only enemy was the Mosasaurus. Ammonites became extinct along with the dinosaurs, becoming buried in sediment and their fossils are found in sedimentary rock. Inez Berg

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PETRIFIED LIGHTNING (Fulgurite)

By Van A Wimmer, Sr

Along the ocean beaches, sandy hills, or dunes, people sometimes come across a strange hollow tube of cemented sand, sometimes in the shape of a tree branch, sometimes like a small straight rod. This is a piece of “petrified lightning,” created in a second when lightning struck the earth and fused sand particles into silica glass.

Scientists call these fragile objects fulgurites, from the Latin word fulgur, meaning lightning. When a bolt of lightning strikes an area of dry sand, the intense heat, with temperatures as high as 3,272 degrees, melts the sand surrounding the stroke into a rough glass tube. In as short a time as 200 millionths of a second, a stroke of lightning pierces the earth, and leaves this fused record of its searing path. With diameters from one-half inch to two inches, some fulgurites are ten or more feet long, although most are less than a foot. They are nearly always found in pieces, for the brittle cast breaks easily if jarred, dropped or stepped upon.

The inside walls of the tube are glassy and lustrous, while the outside is rough with sand particles adhering to it. They are usually tan or black, but an almost transparent white fulgurite has been found in Florida.

They have been found in almost all parts of the U.S., wherever people happen to recognize what they are.
via *The Rockfinder* 10/09, *Dino’s Doins*, 2/10, *Petroglyphs* 2&3/10

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INTERESTING TRIVIA

Quarrymen in ancient Rome sometimes rubbed wax on their marble blocks and pillars to conceal cracks and flaws, at least until after the sale was made. Then the wax would wash off in the first rainfall and the imperfections would reappear. The Roman Senate passed a law that all marble purchased by the government had to be *sine cera*, or “without wax.” From this root comes the word sincere, a word that we use to mean without deception.

ia *HY GRADER*, 10/90

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2019 DUES ARE DUE

Yes, it’s that time of the year again – time to pay your 2019 Membership Dues
Dues are due January 1st, and must be paid no later than March 31st to remain a member in good standing
and be listed in the 2019 Membership Roster

NAME: _____

TELEPHONE: _____
___ Single Membership (\$20.00)

ADDRESS: _____

___ Family Membership (\$25.00)
E-Mail _____

Pay to the order of Sutter Buttes Gem & Mineral Society and send your payment to

Sutter Buttes Gem & Mineral Society
P.O. Box 269
Marysville, CA 95901
or bring it to the next meeting