


**The Prez Box—October 2021**  
 Wayne Mills , OMS Interim President



We had a good September meeting with a pretty good crowd. Our two guests were: Robin Burgess and Janine Todd, both return visitors. After we got through most of the business part of the meeting, we brought up the subject of next year's officers, and came up with volunteers for two more of the vital positions. (President and Secretary, so we may have a shot at next year after all! Sally brought pies on Jeannie's behalf, so we had some sweet treats to take us into our program.

Wayne presented a brief program on the Geology of the Central Coast then played Rock Doc and tried to identify specimens brought in by our members. At our August meeting, Wayne talked about pictures in rocks, one of his favorite topics. 3 or 4 members brought in displays with some unusual rocks.

On 9/11, Tara Machin and I participated in Heritage Day at he Dana Adobe in Nipomo, where we both volunteer. Several sets of children and their parents came by the Prospector booth where Tara showed the kids how to pan for gold (painted lead), and I directed the kids to the rear portion of our space where we had rocks from the Vollmer Estate spread-out for the kids to take their choice, and then I tried to identify the rocks the kids picked out. It was a pretty fun day but tiring!

On the next weekend,. I got to do a Detecting Adventure for the Santa Lucia Rockhounds at

their Annual Lapidary Day at the home of Galen Moyer in Templeton. Another fun and tiring day.

**Our Annual Meeting is ON!!** Twenty five folks have announced their intention to go at our Annual Meeting at Madonna Inn on December 11 If you haven't already, **please let Wayne know** if you plan to attend, and whether you want a Vegetarian or Regular meal. We will need to check on menus and pricing in another month or so.

**Keep cool and rock on!**  
**Wayne Mills**

**BIRTHDAYS & ANNIVERSARIES**  
 Greetings go out to those folks who are having Birthdays and Anniversaries in

**OCTOBER**

**BIRTHDAYS**

Betty Campbell	10/19	♈
Don Nasholm	10/26	♌
Margaret Henson	10/27	♍

**ANNIVERSARIES**

Jeannie Beattie	10/10
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***Congratulations! If you don't see your name here when you should, then the information is not in The Red Book. Please write your important dates down and give them to Wayne so they will be included in the next edition.***

# BIRTHSTONE(S) FOR OCTOBER-

Wayne Mills, Secretary, OMS

## OPAL

Text by Wayne Mills and as noted.

Picture from <https://www.virginvalleyopalmines.com/?lightbox=datattem-ig60pk34>

Opals are hydrated chalcedony, a form of quartz (Silicon dioxide) formed by sedimentary processes (precipitation). Opals come in precious (fire opal) and non-precious (common opal) forms. Some petrified wood (like that from Gabbs, Nevada) is preserved with opal rather than chalcedony. There are many locations where precious opal occurs, notably Australia, Ethiopia and Mexico. In California, precious opal is found in matrix at Tecopa Hot Springs, and in Northern Nevada, precious opal occurs in petrified wood in the Virgin Valley near Denio in Northeastern Nevada..

Our Ethiopian Opal dealer has said that their opal comes from the **wet side** of the mountain (needs preserving in water), or the **dry side** (can stay out of water without cracking)



This picture of Virgin Valley opal (in water) is worth seeing in color. Check out our October 2020 Ore-Cutts at [omsinc.org](https://omsinc.org)/Bulletins in .pdf format).

# LOCAL ROCKS —

Wayne Mills, Bulletin Editor OMS  
(Text and picture)

## FOSSILS—

You will note on page 6 that our Central Coast has at least a 70 million years of accumulation of marine fossils, from Cretaceous Age ~70 million years ago (mya) Ammonites near Jalama Beach, to Pliocene age (~3-6 mya) Brachipods at Fugler Point near Sisquoc. More recent fossils (24,000 ya) of terrestrial animals have been found in the Nipomo Area. One of the most amazing fossils I have seen from the Central Coast is **Ralph Bishop's Mako shark jaw** from the Coast of Santa Barbara County..

(Miocene Age-18-15 mya). Ralph stunned the Paleontology folks at the LA County Museum with this one.



**Agatized whale bone** (Miocene Age) is also found at several locations on the Central Coast..



**This star-shaped sand dollar** from the Middle Miocene was found near New Cuyama.



**Fossils of Mastodon** and other Ice Age (~24,000 ya) animals have been collected in Nipomo.

## WELL DRESSED MINER-ESS

Tara Machin of OMS at Dana Adobe Heritage Day 9/11/2021. (Rockhounds having fun!)



## ORCUTT MINERAL SOCIETY-- BOARD MEETING

Lingerfelt's Patio

Sept. 6, 2021 (7:00 P.M.) **Note: on Monday!**

**Members present: 2021 Board:** Wayne Mills, Jeanne Brown, Betty Campbell, Jan Ferguson, Sally Griffith, Renea Suttcliffe. **Absent:** Dick Bazzell, Debbie Hood

**Called to Order at 7:18 PM.** by President Wayne Mills.

**MINUTES:** (General meeting) Published in Sept. Bulletin. Corrections noted regarding dates.

**TREASURER'S REPORT:** (Jeanne) noted that few checks have been issued in the last few months.

**CORRESPONDENCE:** (Wayne)—2 from Salvation Army, 3 from Pic Rights threatening to hire copyright lawyer, Rockcouteur Sept, State Div. of Taxes and Fees user id/pw for on-line accounts, AFMS Newsletter-Sept.,

### **COMMITTEE REPORTS:**

**Bulletin-**(Wayne) Bulletin out. Minor corrections will be made prior to posting on our website..

**CFMS-** (Renea) Renea is going to November Director's meeting. A report on AFMS/CFMS included in the September Ore-Cutts

**Membership –** (Wayne) no report

**Field Trip –** (Sally)-- 4 folks went to Ozena. No food, but we had a nice day. EW were disappointed that mor folks did not share the experience..

**Adopt-a-Highway –** (Wayne) Our next highway cleanup is Saturday, Sept, 11 at 8 AM. **Extra help needed** because Wayne will be the Old Prospector at Dana Adobe for Heritage Day 9/11..

**Annual Awards Banquet:** OMS Annual Meeting is ON for Dec. 11 (12-3 PM) at the Madonna Inn.

**PLEASE CONTACT WAYNE AHEAD OF TIME IF YOU WILL / WILL NOT COME TO A FACE-TO-FACE -ANNUAL MEETING.** All Board members present in July said they would come. We have about 27 folks to date.

**All Board members** present stated that they wanted their pins.

**Breakfast-** Breakfasts have been cancelled until further notice.

**Education** (Wayne) None to report.

**Library-** (Alexis) No report.

**Sunshine-**(Margaret). Per Jeanne, Bill continues to improve. Any cards or other encouragement is appreciated.

**Scholarship** (Jeanne) No scholarship will be awarded until (perhaps) 2022. Our annual scholarship depends on our show revenue.

Our show was canceled this year due to COVID..

**Old Business-** Wes has kindly agreed to do the **Webmaster job in Bill's absence**. Election process starts in September. Board members present said they would continue their positions.

**New Business** Our Web site disappeared about September 3. Wes is looking into it with Webmasters.com. Wes says content is preserved, just not accessible. Our September Meeting is **Wayne on Mystery Rocks**. (Wes is out of town). **Display is Mystery Rocks** for show or ID, or anything. Renea says we have enough prizes for the rest of the year.

**Positions needed:**

Pres.		Pres. Elect.	
Treas.	Jeanne	Secty.	
Board	Betty C	Sally Griffith	Jan Ferguson
	Renea S.		
Bull. Ed.	Tara Machin		

Adjourned at: 7:37 PM.

Respectfully submitted, Wayne Mills, OMS Secretary

**ORCUTT MINERAL SOCIETY  
GENERAL MEETING  
Oasis Senior Center, Orcutt  
September , 2020 (7 P.M.)**

**Oasis Senior Center—September 14, 2021**

Opened meeting at 7:14 PM (Wayne Mills ,President)

Invocation by Debbie Hood

Flag Salute by Don Nasholm

**Members/Guests**—17 members, 2 guests (Robin Burgess, Janine Todd).

**Minutes of the September Board meeting were read.**

**No comments or corrections.**

**Correspondence** – was included in the Board minutes.

**Treasurer—Jeanne**—Treasurer's report. Few checks have been written in the last few months. Mostly for the bulletin. We are still solvent!

**Committees:**

**Annual Meeting (Wayne) December 11th 12-3**

**PM.**meeting at Madonna Inn is a go.. **Please** sign-up if you plan to attend. 27 sign-ups so far.

**Bulletin** (please submit any rock-related articles to Wayne) (Article deadline 20<sup>th</sup>) No Comments )

**Refreshments** (Sally Griffith brought pies in lieu of Jeannie Lingerfelt and Betty Campbell.

**CFMS** (Renea) Report attached.

**Membership** (Wayne) No report.

**Sunshine** (Margaret) No illnesses were reported.

**Field Trip** (Sally) Field trip successful, but not well attended. 4 folks enjoyed the day. No food, good rocks. Wes will not lead any more field trips.

**Adopt-A-Highway** (Wayne Mills) **2<sup>nd</sup> Saturday of odd months**. Next one is November 11. Last of the year. **6 folks did September Clean-up** which took 2.5 hours! Thanks to Wes, Marty, Tara, Sally, Geary Sheffer and Joe Azevedo for their help.

**Education** (Wayne Mills) On September 11, Wayne Mills and Tara Machin peopled the Prospector Booth at Dana Heritage Day. On September 18 Wayne will do a Detecting Adventure for the Santa Lucia Rockhounds..

**Scholarships** (Jeanne Brown) None this year

**Property** (Geary Sheffer) Nothing new.

**Library** (Alexis) Our Library is in our storage locker

**Door Prize** (Renee) We have enough for the next 8 meetings

**Breakfast** (Bill Hood)- No Breakfast until further notice

(one in 2021)

**Old Business**—September starts our Election process.

We got our website back-up after it suddenly disappeared. He paid Webmasters.com about \$120. Wayne and Tara peopled the Prospector booth at Dana Heritage Day. No one showed-up for Wayne's talk at 1:45.

**New Business—Positions needed:**

Pres.	Sally Griffith	Pres. Elect.	VACANT
Treas.	Jeanne B	Secty.	Janine Todd*
Board	Betty C	VACANT	Jan F.
VACANT	Renea S.		
Bull. Ed.	Tara Machin		

\*Not yet a member—attended 2 meetings.

- **PROGRAM** Wayne talked about the geologic history of the Central Coast and the three kinds of rocks, then tried to ID rocks brought in by Jan Ferguson, Debbie Hood, Elaine Von Achen and Betty Campbell. ..In October, Wes Lingerfelt will do program on Amazing Agates. The display is Agates or anything.

Closed meeting at 8:30 PM

Respectfully submitted, Wayne Mills, OMS Secretary.

## AFMS/CFMS NEWS—OCTOBER 2021

Wayne Mills, SLR CFMS Rep

### CFMS ([cfmsinc.org](http://cfmsinc.org))

CFMS announced their **slate of officers for 2022** in the October Bulletin. For **President:** Jim Barton, **1st VP:** Kimberly Fiala, **2nd VP:** Bob Rush, **Secretary:** Heidi Hall, For **Treasurer:** Diane Cook (VGMS). Elections will be held at the CFMS Meeting in Visalia on November 12-14. Room Reservations should be made by October 29.

**Jim Brace Thompson** has an article in the (AFMS and CFMS) October Newsletters about current contests for Juniors. These are creating a mascot for the Pebble Pups, and crafting a motto for that group. (See newsletter for more details) A prize of \$100 is offered for the winning entries

**Results of the Worldwide Tumbling Contest were announced.** 95 Entries were received from the States and Federations. **1st Place** was Joseph Blanchard from Illinois. **2nd Place** was Bob Davis from Michigan, and **3rd Place** was Chuck Martin (also from) Michigan

**Several CFMS Club shows** are coming up in October and November. See page 8 for more details.

**SHOWS:** The next CFMS Show will be 4/22-24/2022 in Lancaster, CA

### AFMS ([amfed.org](http://amfed.org))

**Donate to the AFMS Endowment Fund** to receive a cute dragon hand puppet and small tote bag (form enclosed in bulletin).

**AFMS Past President Jay Bowman** passed away. Jay was a long-time AFMS Judge.

**There is a nice article** about life on Earth before the Pre-Cambrian “explosion” of life forms by Larry Johnson.

**Will Lapis Lazuli Become Extinct?** John Martin discusses a recent proposed bill HR 5088 that would ban the importation or transit through the U.S. of Afghanistan minerals or mineral products.

**Inhalation of Rock Dust is dangerous.** A safety article discusses the health hazards of breathing rock dust.

**SHOWS:** The next AFMS Show will be 10/7-9/2022 in New Orleans, Louisiana.

## ROCKS DON'T LIE! OH WAIT! YES THEY DO!

Wayne Mills, Ore-Cutts Editor

Actually, they do and they don't. Rocks hold an amazing story of how the Earth was formed and populated. Some of the oldest rocks on our planet go back about 3.75 billion years. We know that they have been moved around over the years by earthquakes, mass-movement (landslides and avalanches), volcanic eruptions and plate interactions. A couple of rocks in my collection illustrate rock movement after formation.

It is interesting to me that Thundereggs are both Sedimentary AND Igneous, two of the three basic rock types. The igneous part (the shell) formed first often from rhyolite. Later, dissolved silica seeped into the cavity in the shell caused by gas bubbles in the host rock. As the silica (chalcedony) gradually filled the cavity, it left “waterlines” from the bottom of the cavity up. These lines can be of different colors depending on minerals dissolved in the silica. The angle of these lines occasionally changes due to movement of the earth the rock is embedded in. This is called “tilt”. One of my recent acquisitions (A Wiley Wells Geode) from Galen Moyer shows triple tilt. This guy was really disturbed!



## BITS AND BYTES

On-line Beginner's Guide to Rock Tumbling

[Rock Tumbling - The Ultimate Beginners Guide to Tumbling & Polishing - RockTumbling.co](http://RockTumbling.co)

### LARGEST LAND-DWELLING "BUG" OF ALL TIME

<https://www.geologyin.com/2020/05/largest-land-dwelling-bug-of-all-time.htm>

The giant extinct invertebrate Arthropleura resembled some modern millipedes, but could grow to be more than one-and-a-half feet wide, and may sometimes have been more than six feet long. They lived During the Pennsylvanian and earliest Permian periods (about 320 to 290 million years before present, and evidence of these has been found in Europe and Canada (Nova Scotia). This is he the largest known land-dwelling invertebrate of all time



### HUGE BLUE-GREEN OPAL FOUND IN NEVADA

<https://www.geologyin.com/2017/06/rare-huge-green-blue-opal-found-in>

The 2585 Carat Roebing Black Opal is a stunner!

**BEWARE!!** If you find an object that looks like this, about 2.5 inches in diameter, **DO NOT pick it up.** It may be a cluster bomb. Notify the Sheriff's Department, and perhaps send them a picture and location as soon as possible. This one was found during a Highway Clean-up near California's Walker Pass on Highway 178.



**NEW DINOSAUR FOUND IN MOROCCO—RELATIVE OF ANKLYSAUR IS FIRST DINOSAUR TO HAVE SPIKES "WELDED" TO ITS BONES.**

<https://www.microsoftnewskids.com/en-us/kids/science/unprecedented-dinosaur-fossil-with-totally-weird-spikes-found-in-africa/>

## A BRIEF GEOLOGIC HISTORY OF THE CENTRAL COAST Wayne Mills, OMS

We live in a beautiful and geologically diverse area that contains all three basic rock forms (**Igneous**, **Sedimentary** and **Metamorphic**). The Central Coast has a relatively short, but fascinating geological history as well. Rocks on the Central Coast go back about 250 million years to the Jurassic Era in the middle of the Age of Dinosaurs, although the older rocks are of marine, rather than terrestrial origin (so, sorry, no dinosaurs here)..

What is today the San Andreas Fault, was formerly a plate boundary/Spreading Center in the Middle of the Pacific Ocean. Being a point of weakness in the crust of the Earth, it allowed molten material (magma) to come from the mantle of the earth to the ocean bottom/seawater interface where it began to cool. This cooling process allowed “magmatic differentiation” where the denser (more iron rich) minerals (clinopyroxenites and gabbros) crystallize out at the bottom of the column that could be up to ten miles in thickness. At the top of the column, **radiolarian cherts** (sedimentary rocks) and **pillow basalts** (igneous rocks) are deposited. A great example of ancient pillow lavas can be seen at the western end of Port San Luis. Chert is found in both the **Monterey** (18-15 mya) and **Franciscan Formations** (250-~65 mya).

The congealing of rock materials at the spreading center pushed the older parts of the two oceanic plates away from the contact point, forcing the leading edge on the western plate below the American Continental Plate where it was eventually consumed at depth by melting. Oceanic plates are primarily underlain by basalt which is denser than the granite crust that underlies the Continental masses, therefore the (denser) oceanic plates are dragged underneath the continents--scraping off any land or island masses that lie on top of the plate, and occasionally entire thicknesses of the oceanic plate called “**ophiolites**”. There are well preserved **ophiolites** at Point Sal, and on Cuesta Grade north of San Luis Obispo. Eventually, perhaps 30 mya, the spreading center itself was pushed under the continent to its current location under the American Plate. The entire plate still rotating, caused a fracture marking the remaining plate boundary to reflect to the surface, separating the western portion of the American plate to “go for a ride” on the edge of the oceanic plate at a rate of about 5 centimeters (2.5 inches) per year to the north west, relative to the rest of America that lies to the east of the current fault. It has been estimated that at this rate of movement, Los Angeles and San Francisco will be “Sister Cities” in another 50 million or so years. Read about the creation of the western part of California in John McPhee’s **Assembling California**.

One of my favorite geologic features of our county is the chain of intrusive igneous mountain peaks (formed from Dacite) that we now call “The Seven Sisters”. These were formed about 24 mya along a plane of weakness caused by a transform fault (one perpendicular to the former spreading center (now the San Andreas) that sliced into the continental crust as the former spreading center was being consumed. These peaks were formed under the Earth, and have been uplifted and eroded in the intervening 24 or so million years. An amazing fact is that these peaks were formed about the latitude of the Salton Sea, and have been moved about 235 miles northward since their creation.

Mary Francis Strong has written a book about this process called **Mountains of Fire**..

On its journey northward, our side of the San Andreas, sometimes referred to as the Salinian Block, has acquired some interesting terranes of its own. The **Monterey Formation** is represented in Lompoc by deep-water diatomaceous shales with fish, whale and dolphin fossils. The diatomite deposits in Lompoc are the largest in the world. At Lake Lopez the **Monterey Formation** is represented by shallower depth porcelainite shales containing **crabs**, **scallops** and smaller fish. At Buellton, one can find fossils of pipefish in **Monterey Shale**. The 5-8 mya **Santa Margarita Formation** also contains a (fossilized) marine fauna including large scallops, agatized murexes and barnacles.

At Fulger Point on the way to Sisquoc, one can collect fossil barnacles dated at about 3-4 mya.

Near Jalama Beach where the **Monterey Formation** (18-15 mya) has yielded whale bones, can also be found **Cretaceous marine** fossil deposits that preexisted the subduction of the spreading center by about 25-30 mya. One fossil that came from these deposits is an **ammonite** (relative of a squid and octopus) that swam in an ocean about 70 mya. This was prior to the Cretaceous extinctions that saw the end of the dinosaurs and about 80% of all species on the Earth (65 mya).

## CFMS SHOWS

### October

#### October 1-3, 2021 – Vista, CA

Vista Gem and Mineral Society  
Vista Gem and Mineral Open Air Market  
Antique Gas and Steam Engine Museum, 2040 N.  
Santa Fe Ave., Vista CA 92083  
Friday and Saturday 10 AM – 5 PM, Sunday 10 AM –  
4 PM  
Contact: 1 (760) 214-8770  
Website: <http://www.vistarocks.org>

#### October 2-3, 2021 – Grass Valley, CA

Nevada County Gem & Mineral Society  
Nevada County Fairgrounds, Main Street Center,  
11228 McCourtney Rd, Grass Valley, CA 95949  
Hours: Saturday 10 AM – 5 PM, Sunday 10 AM – 4 PM  
54th Annual Earth's Treasurers Show. This year's  
show will feature over 20 vendors, over 24 showcase  
exhibits, as well as an outstanding petrified wood dis-  
play. There will be numerous demonstration tables,  
the gold panning experience, kids activities, gold  
specimen raffle, and much, much, more. SEE YOU  
AT THE SHOW!!!  
There may still be or be a reinstated State of Califor-  
nia requirement for attendees to be properly masked.  
Contact: 4vanclan5@att.net  
Website: <http://ncgms.org>

#### October 8, 9, 10 & 11, 2021, Clovis CA

Fresno Gem & Mineral Society  
Clovis Rodeo Grounds, 445 Clovis, CA 93613  
Time: Friday-Sunday Oct. 8th-10th – 10 AM – 5 PM,  
Monday Oct. 11th – 10 AM – 4 PM  
*Central Valley Gem & Mineral Show* is sponsored by  
Fresno Gem & Mineral Society. The show will be held  
outside and indoors where vendors will be displaying  
and selling their rocks, minerals and fossils. From  
rough to cabs, from jewelry to wind chimes you will  
find a great variety! Adults and children will enjoy the  
fossilized sharks teeth, dinosaur bones, sparkling  
minerals in all their forms plus beautiful handcrafted  
jewelry.  
Contact: 1 (708) 821-7575, dan-  
ielbolm096@gmail.com  
Website: <http://www.fgms.us/>

#### October 9, 2021 – Antioch, CA

Antioch Lapidary Club  
Annual Jewelry and Rock Show  
Antioch Lapidary Club's clubhouse, 425 Fulton Ship-  
yard Rd., Antioch  
Time: 10 AM – 4 PM  
right on Wilbur Avenue to Fulton Shipyard Road. Turn  
right, cross the railroad tracks and immediately turn  
right into the parking lot. Contact: (925) 240-2954,  
vicmcperson@sbcglobal.net

Website: <http://www.antiochlapidaryclub.com>

#### October 9-10, 2021 – Los Altos, CA

Peninsula Gem and Geology Society  
One No. San Antonio Road, Los Altos, CA 94022  
Saturday and Sunday 10 AM – 5 PM  
Contact: 1 (408) 834-5384, ste-  
ve\_job@sbcbglobal.net  
Website: <http://pggs.org>

### November

#### November 6-7, 2021 – Ridgecrest, CA

Indian Wells Gem & Mineral Society, Inc.  
Desert Empire Fairgrounds, 520 S. Richmond Rd.,  
Ridgecrest CA 93555  
Time: Saturday & Sunday 9 AM – 5 PM  
Fieldtrip November 7th at 9 AM  
Free admission!! Vendor spaces available. Goede  
purchasing and cutting, petroglyph slab paintings,  
gems and minerals and jewelry.  
Contact: (760) 375-7905, fjrocks@dslextreme.com

#### November 13-14, 2021 – Yuba City

Sutter Buttes Gem and Mineral Society  
29th Festival of Gems and Minerals  
Yuba – Sutter Fairgrounds  
442 Franklin Ave., Franklin Hall, Yuba City  
Saturday 10 AM – 5 PM, Sunday 10 AM – 4 PM  
Contact 916 677-6696, horita@comcast.net  
Website: <http://sutterbuttesgemmin.org>

#### November 20-21, 2021 – Lake Side, CA

El Cajon Valley Gem and Mineral Society  
El Cajon Valley Gem and Mineral Society Annual  
Rock and Gem Round-up  
Lakeside Rodeo Grounds, 12584 Mapleview St.,  
Lakeside, CA 92040  
Time: Saturday 9 AM – 5 PM, Sunday 9 AM – 4 PM  
Free admission and parking.  
Contact: 619 729-7904, ecvgms@gmail.com  
Website: <http://ecvgms.org>

#### November 20-21, 2021 – Santa Cruz, CA

Santa Cruz Mineral and Gem Society  
Santa Cruz Live Oak Grange, 1900 17th Avenue,  
Santa Cruz, CA 95062  
Time: 10 AM to 5 PM both days  
Free admission and parking. Santa Cruz Mineral and  
Gem Society annual holiday sale. Come and see  
wonderful gifts of nature and art from around the  
world – gems, jewelry, rocks, minerals, and lapidary  
arts. Browse the bargains and pick up some great  
gifts for the holidays.  
Contact: 408-644-7848, scruzmgms@gmail.com  
Website: <http://scrockngem.org>



<b>OMS CALENDAR</b>	
<b>OCTOBER 2021</b>	
<b>Monday, October 4</b> 7:00 p.m.	<b>OMS Board Meeting, Nipomo Chamber of Commerce Building</b>
<b>Tuesday, October 12</b> 7:00 p.m.	<b>OMS General Meeting, Oasis Senior Center. Wes Lingerfelt—on Amazing Agates Display— Agates or anything Refreshments—(CAKE)—Jan Ferguson, Margaret Henson</b>
<b>October-no Breakfast</b>	<b>OMS Breakfast (TBD)</b>
<b>NOVEMBER 2021</b>	
<b>Monday, November 1</b> 7:00 p.m.	<b>OMS Board Meeting, Nipomo Chamber of Commerce Building</b>
<b>Tuesday, November 9</b> 7:00 p.m.	<b>OMS General Meeting, Oasis Senior Center. Wes Lingerfelt—World Geological Talk Display—Best 1 x 1 Refreshments—(COOKIES) Don Nasholm, Geary Sheffer</b>
<b>Saturday, November 13</b> 8:00 a.m.	<b>Highway Clean-up</b> Southeast corner of Highways 101/166 east
<b>November-no Breakfast</b>	<b>OMS Breakfast (TBD)</b>

<b>2020-2021-OMS OFFICERS</b>		
<b>President</b>	Wayne Mills	(805) 481-3495
<b>President-Elect</b>	Vacant	
<b>Secretary</b>	Wayne Mills	(805) 481-3495
<b>Treasurer</b>	Jeanne Brown	(805) 481-1811
<b>Imm. Past Pres.</b>	Wayne Mills	(805) 481-3495
<b>2020-2021-OMS BOARD MEMBERS</b>		
	Dick Bazzell	(805-757-9123
	Jan Ferguson	(805) 474-9977
	Sally Griffith	(805) 928-6848
	Betty Campbell / Debbie Hood	(805) 481-6860
	Renea Suttcliffe	(805) 929-2783
<b>CFMS FEDERATION DIRECTOR</b>		
	Renea Suttcliffe	(805) 929-2783
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<b>OMS Membership</b> \$24.00 for Individual, \$34.00 per couple, \$5.00 Each Additional Family Member, \$5 for Juniors under age of 18. One time initiation fee for new members is \$10.00. <b>OMS Membership Chairperson is: Wayne Mills</b>		
<b>OMS Webmaster –Wes Lingerfelt– (805) 929-3788</b> Check out our OMS web site at: <a href="http://www.omsinc.org">http://www.omsinc.org</a> or send e-mail to: <a href="mailto:info@omsinc.org">info@omsinc.org</a> .		
<b>Ore-Cutts Editor/Publisher</b>		
Wayne Mills	(805) 481-3495	<a href="mailto:wwmills50@hotmail.com">wwmills50@hotmail.com</a>

**Check-out the OMS Web page** at :[omsinc.org](http://omsinc.org) for our old bulletins (since 2002) and a wealth of other information We have a Bibliography to help your bulletin search.. Our bulletins look much better in COLOR!

**Check-out our Facebook page.** Elisabeth does a great job keeping that up. (Search for Orcutt Mineral Society in Facebook Search)..

**ROCKHOUND HUMOR (PUNISHMENT)**  
Picture and captions by Wayne Mills unless noted

*“Pardon me San Andreas,  
your slip is showing!”*



*Looking west from  
Picture from  
[Temblor.com](https://www.tumblr.com/) 2018*

*“If I had a hammer, I’d hammer in the  
morning, I’d hammer in the evening, all  
over this land...”*



Picture from  
[Dreamstime.com](https://www.dreamstime.com/) Free images

*“Shale be comin’ round the mountain...”*



*(“Sedimentary My Dear Watson”)*

Picture from  
[Bing](https://www.bing.com/) Free images

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YOU CAN USE IT TO START AN ARTICLE (OR TWO) FOR OUR NEXT BULLETIN...

**Orcutt Mineral Society, Inc.  
P.O. Box 106  
Santa Maria, CA 93456-0106**

**ADDRESS CORRECTION REQUESTED**



**The ORE-CUTTS** (named after William Orcutt) was first published in 1966. Member Helen Azevedo was the first editor. The Orcutt Mineral Society was founded in 1958, and was also named after Orcutt who was a geologist and civil engineer who worked in the Santa Maria Valley as a District Manager for Union Oil Company in 1888. In 1889, William Orcutt discovered the mineral and fossil wealth of the La Brea Tar Pits on the property of Captain Alan Hancock in Los Angeles. The La Brea Tar Pits are one of the most significant fossil finds in paleontological history.

OMS is a non-profit organization dedicated to stimulating an interest in the earth sciences. The club offers educational programs, field trips, scholarships, and other opportunities for families and individuals to pursue an interest in the collecting and treatment of lapidary materials, fossils, gems, minerals, and other facets of the Earth Sciences. In addition, another goal of this Society is to promote good fellowship and proper ethics in pursuit of the Society's endeavors. Operating Rules have been set forth to guide the officers and members of the Society in accomplishing these aims. Affiliations of the OMS include American Federation of Mineral Societies, and California Federation of Mineral Societies.