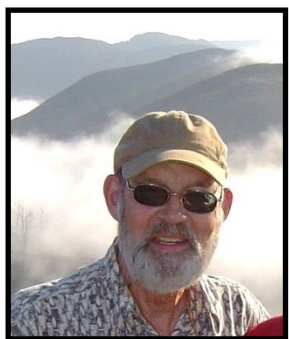




The Pres Box—January 2017

Wayne Mills



Here we go again folks—a new year, and new opportunities for rock fun. We had a great Christmas party thanks largely to Dyanna and Alexis, and Sylvia Nasholm, and we got our new Board installed.

In January, we are going to try to fill or get assurance from the current committee chairs that they continue the positions listed under Committees on **pages 6 and 10** of the 2016 Red Book. Please check it out and let me know if you are interested in helping with any of the positions—especially the VACANT ones! The program for January is “Those Fabulous Thundereggs”, and the display is thundereggs and geodes. Refreshment Chair Sally Griffith will bring in donuts for our refreshments.

We have a Highway clean-up on January 14 at 8:00 am, and hope to get a much better turnout than we had in November. **Please put down the second Saturday of odd numbered months on your calendar**, and join us at least 3 (out of 6) times in 2017.

I had a fun encounter with the 5th and 6th grade classes at **Trivium Elementary School** in Arroyo Grande on December 14. I presented a program on **Elements and Minerals**, (sound familiar?), and answered questions—a LOT of questions.

Dates to remember: **January 3** Board meeting (7:00 pm), **January 10** General meeting—Program Thundereggs, Display Agates, Refreshments donuts (7:00 pm)! **January 14** Highway Clean-up (8:00 am), **January 28** Breakfast at Country Kitchen in Santa Maria (8:30 am).

COMPLAINT DEPARTMENT

We have had a complaint about the size of our type. My apologies to those who have a hard time

reading the bulletin. Just think how hard it is for a visually challenged bloke to type all this ...stuff. We have a lot of information to cram into 10 pages. My suggestion is to look the **Ore-Cutts** up on our web page and then you can make the pages larger. The bonus is that you get to see the bulletin in living color!

Best wishes for a joy-full New Year. **Wayne**

CFMS Field Trip to Lavic Siding January 21. Meet at 8:00 am at Hector Road (south side) off Interstate-40. For more info contact Field Trip Leaders.

CFMS Field Trips South Co-chairs:
Adam Dean: theagatehunter@verizon.net (909) 489-4899
Roy Isaac: 1bionicdj@gmail.com (818) 633-3350

BIRTHDAYS & ANNIVERSARIES

Greetings go out to those folks who are having Birthdays and Anniversaries in **January**.

BIRTHDAYS

Paul Berthelot	1	10
Pat Nurenborg	1	11
Virginia Rogers	1	21
Sir Paul Howard	1	28
Elaine Von Achen	1	30

ANNIVERSARIES

Don and Sylvia Nasholm,	1	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 (April 2017)*

SUNSHINE

Margaret Henson

Jeannie Lingerfelt underwent surgery on November 21, according to Wes, the surgery went well! Our thoughts and prayers are with you Jeannie for a swift recovery! It sucks not being able to eat!!

WHAT IS A GEODE?

By Lynil M. Bremner (September 1999 *Geodes, Desert USA*), via *Rockhound Notes*, March 2000. Published in the August/September 2001 *Ore-Cutts*.

Edited by Wayne W. Mills

The mysterious, earth-shaped geodes have long challenged geologists to explain how they are formed. Geodes are a variable and widely-occurring phenomenon, therefore, many theories exist to explain how they are created.

The term **geode** is derived from the Greek word *Geoides*, that means “earth-like”. A geode is a sphere-shaped rock that contains a hollow cavity completely lined with crystals. A spherical rock that is completely filled with small, compact crystal formations such as agate, jasper or chalcedony is called a **nodule**.

The only difference between the two is that a geode has a hollow cavity, and a nodule is solid.



[Lake Superior Agate nodule Pinterest.com](https://www.pinterest.com/lake-superior-agate-nodule/)

HOW GEODES ARE CREATED

Photo: Pinterest.com

Geodes begin as air bubbles in volcanic rock, or as animal burrows, tree roots or mud balls in sedimentary rock. Over time, the outer shell of the spherical shape hardens and groundwater carrying dissolved silica and other minerals precipitates the materials inside the once empty shell. The precipitate can contain a variety of dissolved minerals, but the most common are quartz and calcite. Over a period of thousands of years, the layers of precipitate harden inside the shell, forming bands of

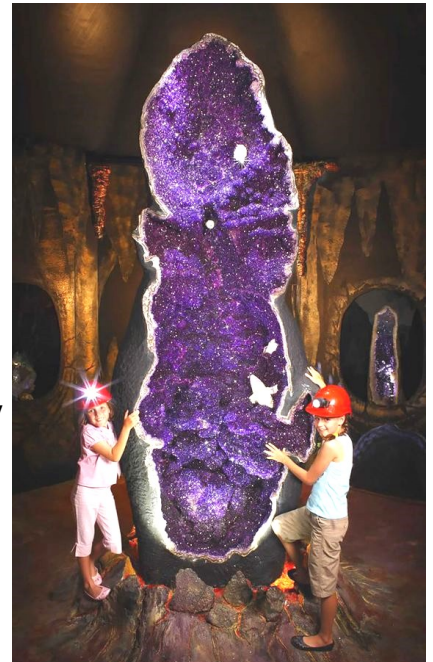
(microcrystalline) agate and depending on the temperature and pressure of formation, visible crystals of various types.

Each geode has a rough, knobby, usually rhyolitic shell, and can only be appreciated when cracked open, or (more preferably) cut open with a rock saw. The size, formation and color of the crystals and the colors and patterns of the agate beneath the crystals makes each geode special. The anticipation never fades for those who curiously collect buckets full of round geodes, and eagerly expose the secrets of each rock back home (if they can wait that long). The real prizes are geodes that contain amethyst (purple quartz), and black calcite crystals.

Geodes are found throughout the world, but the highest concentrations seem to be in the deserts. Volcanic ash beds or regions containing limestone are common geode locations. There are many easily accessible geode collecting sites in the Western United States, including: Arizona, California, Nevada and Utah. The state of Iowa also has

geodes (Keokuck), in fact, that is their State Rock! The finest concentration of geode sites in Southern California is in Riverside and Imperial Counties. The most famous of these is the Hauser Beds that are located at Wiley Wells in northeastern Imperial County.

Amethyst geodes weighing several tons have been found in Brazil.



WHAT ARE THUNDEREGGS

Thundereggs, the official state rock of Oregon, are found in ancient, decomposed lava flows in Central Oregon. Although the outside of a thunderegg appears to be a common, round stone, the interior is filled with beautiful agate. Properly cut and polished, each thunderegg reveals a unique world of color and form.

Two theories explain the origin of thundereggs.

One is scientific, and the other is legend. Geologists say that thundereggs formed when mineral laden water seeped into cooling gas bubbles in lava. The Native Americans who inhabited Central Oregon hundreds of years ago said that thundereggs were missiles hurled at each other in anger by rival spirits who dwelt on nearby mountain peaks. Thundereggs can range in size from golf-ball to grape-fruit size.



Lovely scene in Oregon Thunderegg. From Pinterest.com

PICTURES FROM THE ANNUAL MEETING *Find more pictures and the incoming and outgoing president's messages on our website*



BITS AND BYTES

Check out this cool video of how the Easter Island Heads were (probably) "walked" into place. <http://www.blessings.com/article/31082139/archaeologists-uncover-something-astounding-under-the-easter-island-heads?>

Detailed pictures of snow flakes—remarkable!

<http://www.msn.com/en-us/lifestyle/smart-living/29-incredible-close-ups-of-snowflakes-shot-with-a-homemade-camera-rig/>

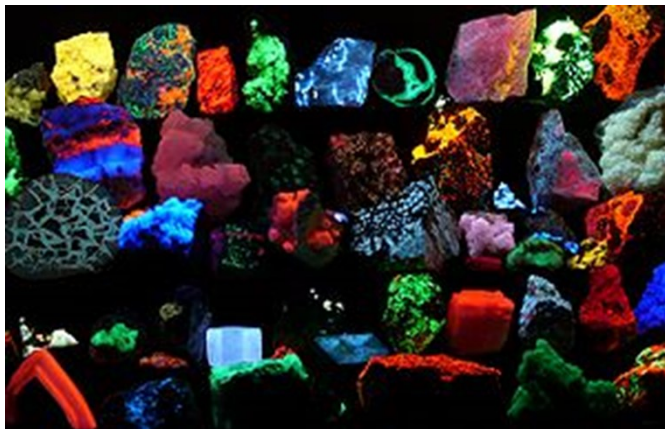
NOVEMBER PROGRAM—JUST THE FACTS (MOSTLY)

Our November meeting came late in the month (November 29) due to the Elections. Wayne Mills gave one of his home-made Powerpoint programs on "Elements and Minerals. The program briefly touched on the differences between Rocks and Minerals, and Elements. We noted that there are 118 elements on the Periodic Table of the Elements, and the elements are listed according to their atomic number that indicates the number of protons in the nucleus of each atom of a particular element, Hydrogen has an Atomic number of 1, silver has an Atomic number of 47, gold is 79 and lead is 82.

There are metallic and non-metallic elements, although **most of the elements are considered to be metals**. Some elements occur in nature in their pure form. These are called "Native Elements". Some of these are Gold, Copper, Mercury and Sulfur.

One interesting fact from the talk is that different minerals can form from the same element under different conditions. One example is **Carbon** that forms **diamond** (the hardest substance known to man, **coal** (three different hardnesses), and **graphite**, one of the softest of minerals

Many minerals have crystalline forms that occur in 7 basic crystal systems. Some minerals (that can consist of one or more elements) have several different crystal forms. So how do scientists tell these apart? Besides complicated tests like mass spectrometry, tests for **color**, **clarity**, **streak** (in metals), **cleavage**, **specific gravity** (the difference per unit volume between the unknown and an equivalent volume of water), **hardness** (Moh's scale), and even **fluorescence** (reaction to long and short-wave ultraviolet light) can be employed to discern different minerals. **Some** minerals that fluoresce include: calcite, chalcedony, fluorite, scheelite, diamond and some uranium minerals.



BIRTHSTONE FOR JANUARY

Photo and text from cloudmind.info



Garnets come in all colors but blue. Those pictured here are (clockwise from upper left): Red, Rhodolite, Mint, Demantoid, Malaya, Tsavorite, Spessartite, and Umbalite. There are 33 different kinds of garnets with varying hues (including color change garnet).

During the first century AD, Flavius Josephus (A Romano-Jewish Scholar) connected specific gemstones to the signs of the zodiac. Wearing the right stone each month would ensure access to special healing or magical powers. Those who could afford such luxury collected all 12 stones so that they were adequately empowered and protected throughout the year.

Garnet (From *Granatum*— Pomegranite seed), is associated with the properties of purity, truth, faithfulness and friendship. Garnets are reputed to be effective for health problems relating to the blood, heart, lungs and infection. They are also said to enhance sensuality and sexuality.

Legend has it that Noah hung a large garnet in the Ark for illumination. Based on this, garnet is said to provide guidance in the night and prevent nightmares. The ancient Egyptians believed that garnet was an antidote for snake bites and food poisoning. *(You can bet your sweet asp on that one!—Ed.)*

KID'S CORNER

FUN FACTS ABOUT METALS

Mini Miner's Monthly Vol. 8. No. 5 (May 2014)

GOLD (Au)

Gold is an element.

It is a metal. Pure gold is very soft, so it is mixed with other metals to make it harder for rings and necklaces.

Gold is VERY valu-

able. [Crystalline gold Wikipedia.com](#)



SILVER (Ag)

Like gold, silver is an element. It is also a metal. Gold doesn't tarnish, but silver does. Bright, shiny silver tar-

nishes to dark gray to black. It is used to make jewelry and utensils.

[Crystalline silver from picclick.com](#)



COPPER (Cu)

Like gold and silver, copper is an element. It is also a metal. Copper is very important because it is used to make elec-

trical wires, water pipes and pennies. Important copper ores are azurite, malachite and cuprite.

[Crystalline copper from thecrux.com](#)



MOLYBDENITE (MoS₂)

Molybdenum sulfide

Molybdenite is an important ore of the element molybdenum. It is mixed with other metals to make them stronger.

[Photo from nevadaoutbackgem.com](#)



LODESTONE

Lodestone is **massive magnetite**. It is made of iron and oxygen. Like magnetite, lodestone is naturally magnetic. It is one of the most important ores of iron.

MERCURY (Hg)

Mercury is an element. It is a metal. It is the only element (and the only metal) that is a liquid **at room temperature**.

Because it is silvery, metallic and it rolls like a drop of water, it is also called "Quicksilver." [Image from Britannica.com](#)



MAGNETITE (Fe₃O₄) Iron oxide

Magnetite is a natural magnet. It is made of iron and oxygen. When it crystallizes, it can form octahedral crystals like the ones pictured here. It can also form dodecahedral crystals. [Magnetite from Bolivia. Photo from Wikimedia commons.wikimedia.org](#)



GALENA (PbS) Lead sulfide

Galena is lead ore. It is made of the elements lead and sulfur. The lead gives it a silver color. Galena often contains the valuable element, silver. [Galena from Reynolds Co., Missouri photo from Mindat.org.](#)



PYRITE (FeS₂) Iron sulfide

Pyrite is known as "Fool's Gold" because it is bright yellow and metallic like real gold. It is made of the elements iron and sulfur. Pyrite can have real gold trapped in its crystals. [Pyrite from Spain. Photo from Mineralforum.com](#)



ORCUTT MINERAL SOCIETY
General Meeting
Nipomo Chamber of Commerce Office
Nipomo, CA
November 29, 2016

President, Alexis Van Natta, called the meeting to order at 7:05 pm.

Roger Lehman gave the invocation. Alexis Van Natta gave the flag salute.

Minutes: Minutes for the Board meeting, 11-1-2016 was approved as printed in the Bulletin.

Treasurer's report: Jan Ferguson gave the treasurer's report. The report was accepted as given.

Correspondence: none

Committee Reports:

Hospitality: There were 24 members and no guests in attendance.

Refreshments: Sally Griffith said that tonight is cookie night. Many thanks to Truman Burgess, Sharon Duncan, Debbie Hood, Krystal Rose and Geary Sheffard, who supplied the tasty morsels. Jeanne Lingerfeld supplied us with a lot of nice teas. Thank you very much.

Annual December Luncheon: December 10th at 12 Noon is our annual membership meeting/luncheon at the Madonna Inn. We will have a great turnout with 33 people attending. We will also have a gift exchange for those who would like to participate and a can drive for the Salvation Army. The gift should be a rock related gift worth \$10.00. So, bring your gift and a couple of cans and join in the festivities. It will be fun to see you there.

Breakfast: No breakfast in December. Have a wonderful time over the holidays!

Bulletin: The December Ore-Cutts is out and jam-packed with wonderful articles and photos. Thanks Wayne.

Federation Report: Wayne Mills gave an extensive report of his attendance at the two CFMS Directors meetings. There were 2 Federation meetings in 3 months and lots to report back. Some highlights include the fact that the AFMS has 600 clubs with 75,000 members. Activities with fewer than 500 participants are covered under a million-dollar insurance policy. Wayne mentioned the annual teaching programs at Camp Paradise and Zyzx and the Federation field trips and seminars that we can attend. He spoke about the website, tax advice, legal advice and advertising and promotions available to us. There is a Junior Badge program and a scholarship program. We can find program speakers and choose digital programs from their slide and video library. Please mark your calendars now for the joint AFMS/CFMS show coming up on June 9- 17- 2017. This will be held at the Fair-

grounds in Ventura. It's a huge show and shouldn't be missed.

Door Prizes: Wayne Mills has a nice box of door prizes from various slabs, silver lace onyx, alabaster, calcite, an abalone pendant, some earrings and two red club jackets from the Von Achens, which were offered for sale.

Field Trips: None until the New Year.

Highway Cleanup: Our next Highway cleanup will be held Saturday, January 14 2017 at 8:00am. Members will meet on the South East corner of Highways 101 and 166 East.

Membership: Terii Richard, Jeanie Nybo, Elisabeth Nybo and Katherine Nybo have been accepted into the Orcutt Mineral Society. Name Badges and Information Packets will be given out at the Madonna Inn Annual Meeting and Luncheon.

Sunshine: Jeanne Lingerfelt and Renae Sutcliffe are both improving.

Old Business:

Nominating Committee: Members: Wayne Mills – Chair, Dyanna Cridelich, and Jan Ferguson.

Ballot: For President elect - Sharon Duncan
For Secretary - Dyanna Cridelich
For Treasurer - Jeanne Watkins
5 for the Board - Jan Ferguson
Sally Griffith
Sylvia Nasholm
Debbie Hood
Renae Sutcliffe

Nominations were asked three times from the floor for each position.

Since there were no new nominations from the floor, Wayne Mills made the motion to accept the slate as presented. Jan Ferguson seconded the motion and the motion won by unanimous acclamation.

New Business:

The Board appointed a Budget Committee, consisting of Jan Ferguson, Sylvia Nasholm, Sharon Duncan and Jeanne Watkins. They have come up with a new budget and will present it at the December meeting at the Madonna Inn.

Tonight's displays were the 1 X 1 displays.

Wayne Mills had a nice display of calcite specimens.

Jan Ferguson displayed Japanese Law Twins. They are from Narushima Island, Nagasaki, Prefecture, Japan. No prize was awarded due to the limited number of entries.

Program: Wayne Mills will be presenting a slide show on different kinds of rock and how they are made, called Elements and Minerals.

I found this program very informative and realized how much I don't know about geology. Thanks Wayne, I really enjoyed it.

President Alexis Van Natta adjourned the meeting at 8:45 p.m.

Respectfully submitted:

Dyanna Cridelich, Secretary, OMS

ORCUTT MINERAL SOCIETY
Board Meeting
Nipomo Chamber of Commerce Office
Nipomo, CA
December 6, 2016

President, Alexis Van Natta, called the meeting to order at 7:05p. m. Board members present were Wayne Mills, Alexis Van Natta, Jan Ferguson, Sharon Duncan, Jeanne Watkins Brown and Dyanna Cridelich, Sylvia Nasholm, Don Nasholm, Sally Griffith. Debbie Hood and Renea Sutcliffe were absent.

No guests were present.

Minutes: Minutes from the November 29th general meeting were read and will be printed in the December bulletin.

Treasurer's report: Jeanne Watkins Brown presented the Treasurer's report. Report was accepted as given.

Correspondence: We received an AFMS newsletter and a flyer and a note from SBCC requesting donations. The Salvation Army sent their annual donation request. The OMS Post Office Box renewal also came. We received a Santa Barbara Gem Show postcard and a postcard from the State Board of Equalization with new rates.

Committee Reports:

Abused Children: We gave a check for \$800.00 to Jan Ferguson in order to purchase the Wal-Mart gift cards for the Abused Children.

Annual December Meeting: Everything is set up for the December 10th, annual membership meeting at the Madonna Inn. We have 33 people signed up. Dyanna will take the final check of \$682.15 to the Madonna Inn on Wednesday afternoon. The festivities start on Saturday at Noon on December 10th and end at 3:00pm. Set up starts at 10:30 am.

Bulletin: The Bulletin is out. Members like the new format in Publisher. It was suggested that if you have problems reading the type, you might read it on line where you can change the size of the text

Field Trips: No more field trips for the rest of the year.

Highway Cleanup: Our next Highway cleanup will be held January 14, 2017 at 8:00am. Members will meet on the Southeast corner of Highways 101 and 166 East.

Membership: Dyanna Cridelich reported that Elisabeth Nybo, Katherine Nybo, Jeanie Nybo and Terii Richard are now members of the Orcutt Mineral Society. She will give the Membership packets out on Saturday at the Madonna Inn.

Refreshments: None until the January meeting.

Sunshine: Jeanne Lingerfeld is doing much better.

Scholarship: The amount in the scholarship is \$1161.15. It was suggested that we give \$1100.00 to Santa Barbara City College in March.

Old Business:

Nominating Committee: Wayne Mills (Chair), Dyanna Cridelich and Jan Ferguson

Report: President Elect: Sharon Duncan, Secretary: Dyanna Cridelich, Treasurer: Jeanne Watkins. For the Board, 5 members: Jan Ferguson, Sally Griffith, Sylvia Nasholm, Debbie Hood and Renae Sutcliffe. All were voted onto the Board by unanimous acclamation.

The Budget Committee consisting of Sylvia Nasholm, Jan Ferguson, Jeanne Watkins and Sharon Duncan met and we have a budget for next year. The Budget will be presented before the OMS for approval at the Annual meeting at the Madonna Inn.

New Business:

Several side discussions were thrown on the table: In the New Year, we will be discussing the legalities of raffles. We need to decide if and where we will be having our next tailgate, alternative sites include Sharon Duncan's yard, the Oasis Center or Pioneer Park. We will discuss possible changes for our 50th gem show. The process for the Gem Show starts in January.

To give everyone a head's up in advance, Alexis Van Natta read the agenda for Saturday's meeting.

President Alexis Van Natta adjourned the meeting at 8:15 p.m.

Respectfully submitted: Dyanna Cridelich, Secretary, OMS

ORCUTT MINERAL SOCIETY
General Meeting
Madonna Inn, San Luis Obispo, CA
December 10, 2016

At 12:15, President Alexis Van Natta welcomed everyone and asked our chaplain, Mike Henson to give the invocation.

Alexis Van Natta led the flag salute.

Alexis Van Natta gave the President's annual report. She hit the highlights of field trips that we took the past year. She told us about the programs that educated and entertained us throughout the year and mentioned the wonderful displays that were shared. Alexis mentioned the big success of the August Gem show and thanked Wes for being our coach. Alexis brought up the award winning articles that were written for our newsletter and the AFMS and CFMS awards for our members. Alexis also mentioned that we inducted six new members in 2016. All in all, we had a very good year.

Minutes: Dyanna Cridelich read the minutes from the December 5, 2016 board meeting. Minutes were approved as read. Dyanna Cridelich also gave out the membership packets to our newest members: Elisabeth Nybo, Katherine Nybo and Jeanie Nybo.

Treasurer's Report: Jeanne Watkins Brown gave the treasurer's report. The treasurer's report was accepted as given. She then presented the 2016 budget. Wes Lingerfelt made a motion that we accept the budget. Wayne Mills seconded the motion. Motion passed.

Luncheon was served at 12:30. We dined on roast turkey breast, baked ham and portabella mushrooms. Very nice. Members voted to continue with the Madonna Inn in the future.

Old / new business:

Alexis Van Natta asked Jan Ferguson to give a little history of the Abused Children's Fund. Jan's mother started the fund and supplied baby clothes to children who had nothing. Debbie Hood took it over in 2000 and baby clothes were still needed. In 2012, when Jan took over, the focus had changed. Abused teens are now given \$25 gift cards as an incentive for being good and saying out of trouble.

Awards and Recognition:

Alexis Van Natta presented each member of the board with their pins and either a wonderful bottle of Luisi Moscato wine or See's Chocolate. Board Members included Wayne Mills, Sylvia Nasholm, Don Nasholm, Jeanne Watkins Brown, Jan Ferguson, Sally Griffith, Sharon Duncan and Dyanna Cridelich.

She also presented Bill Brown with a bottle of wine for being our web-master. A bottle of wine went to Bill Hood for being our sheriff, hospitality and breakfast chair. Mike Henson received a bottle of wine for being our chaplain and Margaret Henson received a box of See's chocolate for taking care of sunshine. Renea Sutcliffe received a box of See's for making the great signs for our Gem Show and Truman Burgess received a bottle of wine for supplying all the wood for our barbecues. Last, but not least, Wes Lingerfelt received a bottle of wine for being our coach and mentor.

Alexis Van Natta presented two special awards:

The Member of the Year Award went to Sharon Duncan, who stepped up and took on the Chair of the Gem Show Dealers and Demonstrators. She had never done this before and she forged on and persevered and made it a big success.

The 2016 Golden Bear Award was then presented to Dyanna Cridelich. Dyanna is a 26-year member of OMS. She has served as President, Secretary, Hospitality, Refreshment Chair, Membership Chair and Awards Banquet Chair. She always has a smile and by sharing her

love of rocks and all the wonderful things that can be done with them, she has supported and promoted OMS.

Installation of new Officers and Board of Directors

Wes Lingerfelt, our parliamentarian, installed the following members to the following positions for 2016.

Wayne Mills - **President**
Jeanne Watkins - **Treasurer**
Dyanna Cridelich - **Secretary**
Sharon Duncan - **President-Elect**

Board Members: Jan Ferguson, Sylvia Nasholm, Sally Griffith, Debbie Hood, Renea Sutcliffe and Alexis Van Natta – Immediate Past President.

Alexis Van Natta handed the gavel over to the new President, Wayne Mills. Wayne vows to make 3 people laugh each day and donned a new hairstyle to start it off. Wayne gave the "New President's Pep Talk" and said that "you get out what you put in". He hopes to continue our successes of past years and has his sights set on a successful 50th Anniversary Gem show in August. He mentioned that the biggest show in California, the AFMS/CFMS, is coming up (June 9-11, 2017) and suggests that we should consider displaying in it.

Wayne then presented Alexis Van Natta with a lovely jade bracelet that he found with his metal detector. The silver wire bracelet appears to have been made by Big Sur wire artist "Twister".

Gift Exchange

Sylvia Nasholm presided over the gift exchange. Almost everyone in attendance participated. There were a lot of great gifts and a lot of stealing. Everyone had a great time.

Respectfully submitted:

Dyanna Cridelich, Secretary OMS



Katherine and Jeanie Nybo (new members), and Dyanna Cridelich

OMS CALENDAR

JANUARY 2017

Tuesday, Jan. 3 7:00 to 8:30 p.m.	OMS Board Meeting, Nipomo Chamber of Commerce meeting room, All members are welcome at this meeting
Tuesday, Jan. 10 7:00 p.m.	General Meeting — Luis Oasis Senior Center. Program— Thundereggs Display— Geodes and Thundereggs Refreshments-Donuts
Saturday, Jan. 14 8 am	Highway clean-up SE corner Rtes. 101/166 East
Saturday, Jan. 28 8:30 a.m.	OMS Monthly Breakfast- Country Kitchen, Santa Maria

FEBRUARY 2017

Tuesday, Feb. 7 7:00 to 8:30 p.m.	OMS Board Meeting, Nipomo Chamber of Commerce meeting room, All members are welcome at this meeting
Tuesday, Feb. 14 7:00 p.m.	General Meeting — Luis Oasis Senior Center. Program- Display— Refreshments-Cookies
Saturday, Feb. 25 8:30 a.m.	OMS Monthly Breakfast- Country Kitchen, Arroyo Grande



Why science teachers
should not be given
playground duty.

Cartoon from: biochem80p.wordpress.com

CFMS SHOWS

JANUARY

January 21 - 22: EXETER, CA

Tule Gem & Mineral Society, Visalia
Exeter Veterans' Memorial Building
324 N. Kaweah Avenue
Hours: Sat 10 - 5; Sun 10 - 4
Contact: Laura Manser (559) 303-0632
Email: ldriggs5@gmail.com
Website: www.tulegem.com

FEBRUARY

February 17 - 26: INDIO, CA

San Gorgonio Mineral & Gem Society
Riverside County Fair & National Date Festival
82-503 Highway 111
Hours: 10 - 10 daily
Contact: Bert Grisham, (915) 849-1674
Email: bert67@verizon.net

February 18 - 19: ANTIOCH, CA

Antioch Gem Club
Contra Costa County Fairgrounds
1201 West 10th Street
Hours: 10 - 5 daily
Contact: Brenda Miguel, (925) 301-6957
Email: brenda.miguel@yahoo.com
Website: www.antiochlapidaryclub.com

February 25 - 26: VALLEJO, CA

Vallejo Gem & Mineral Society
Solano County Fairgrounds, McCormack Hall
900 Fairgrounds Drive
Hours: 10 - 5 daily
Contact: Dan Wolke, 707 334-2950
Email: dncwolke@sbcglobal.net
Website: www.vjgems.org

**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.