



Ore-Cutts

Volume XLIX Number 11

November 2015

The Pres Box—October 2015

Dyana Cridelich, OMS President 2015



Hello everyone, we just returned from my 50th High School Reunion in Redlands, California. A good time was had by all and we danced the night away, just like high school kids, to the Tornados and Eric Burton of the Animals.

The true highlight of the trip however, was a

private tour of the manufacturing plant of Covington Engineering. Dan Drouault, President and Owner gave the tour himself. He is the grandson of the original Covington's' and has a real passion for making quality lapidary machines. He strives to make as many pieces and parts as possible on his CNC (Computer Numerically Controlled) machines. He just purchased a fascinating machine that makes precision gears. We took over 50 pictures and if anyone is interested in seeing them, we can elaborate.

November is the month before everything gets really busy. It starts with our Board meeting on November 3rd at 7:00 pm at the Nipomo Chamber of Commerce. Please come and see what we do.

Our General meeting quickly follows on November 10th at 7:00 pm at the Oasis Center in Orcutt. Ralph Bishop will be speaking on the Copper Turtle. Ralph is always entertaining and has a wealth of knowledge that he freely gives to us. Don't miss this one. The display this month is anything in a 1'x 1' sized frame. It is also cookie month. Thanks in advance to Don, Geary, Virginia and Debbie.

Highway cleanup is going to be special this month. On the 21st of November, we are meeting at the corner of Hwy 101 and 166 at 8:00 am to celebrate Wayne's birthday and clean the highway. Please come and make Wayne's day. Then afterwards, of course, we will be meeting at the Country Kitchen for a snack and good fellowship.

November is also Election Month. At our October meeting, we presented a slate of officers and board members for the upcoming year and we requested nominations from the floor. This will happen again in November, followed by a vote of the membership for the contested offices. Our current slate is as follows: **President-Elect:** Wayne Mills, **Secretary:** Dyanna Cridelich, **Treasurer:** Jeanne Brown, **Board of Directors (5):** Sandy Berthelot, Janis Ferguson, Sally Griffith, Debbie Hood, Sylvia Nasholm, and Don Nasholm. Please give it some thought and if you decide that you or another member would be a good addition to the slate, please stand up and nominate them. Don't be bashful.

Here are a couple more dates to remember. Make sure to mark them on your calendar. Our **November breakfast** is at the Sunset Grill in Santa Maria on November 28th. Our **annual December Meeting** and Luncheon is at the Madonna Inn on Saturday, December 12th at noon. Come and enjoy the good food and the installation of our new officers.



Thanksgiving is quickly approaching. I wish all of our members and their families a happy, delicious, joyful and thank-full Thanksgiving.



Dyana

BIRTHDAYS & ANNIVERSARIES



Birthday greetings go out to those folks who are having Birthdays and Anniversaries in

NOVEMBER

Birthdays

Adam Loera	11/6
Joe Azevedo	11/8
John Von Achen	11/14
Dee Dee Magri	11/21
Wayne Mills	11/21
Brenna Ferguson	11/27
Marilyn Goodall	11/28
Dick Bazzell	11/30

Anniversaries

Bill and Jeanne Brown	11/9
Marshall and Glenda Reeves	11/18
Mike and Margaret Henson	11/19

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 Wes Lingerfelt so they will be included in the next edition (2016).*

SUNSHINE

Jeannie Lingerfelt

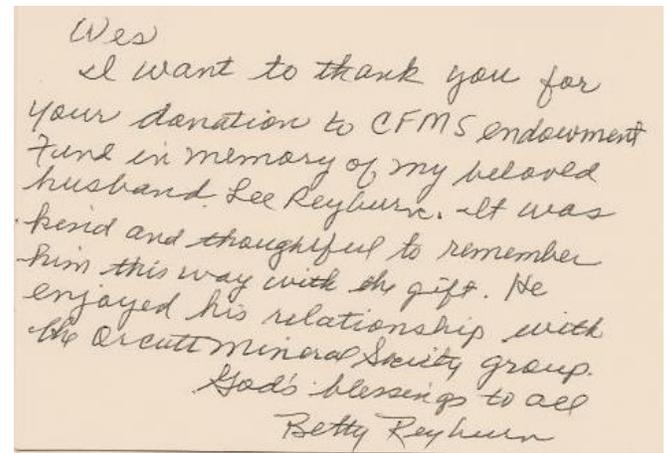
Lucky Virgin is receiving treatments for bone marrow deficiency, and appears to be

improving. Our thoughts are with Lucky wishing him a fast recovery.

If you have good or bad news that you would be willing to share with our members, please notify Jeannie Lingerfelt and Wayne Mills.

LETTER OF THANKS FROM BETTY REYBURN

The following note was received from the widow of Lee Reyburn, a dedicated member of OMS who passed away last month. The note is in thanks for our donation to CFMS in Lee's name, causing his name to be engraved on a permanent plaque for the California Federation of Mineral Societies (CFMS) Endowment Fund.



COPPER TURTLES



November's program will feature Honorary Lifetime Member, Ralph Bishop, talking about his adventures in the Mojave Desert. Ralph's

presentations are always engaging, humorous and informative, so we encourage you to check-out this presentation, our last of the year. Remember too that the November display is a competition for the best 1 (foot) x 1 (foot) display. **There will be a prize.**

I ♥ ROCKS

Pictures and text by Wayne Mills, Ore-Cutts Editor

In September I had occasion to stop by Santos Serabia's new store "I Love Rocks" in the Marigold Plaza (near Starbuck's) in San Luis Obispo. The store has a wonderful selection of lapidary materials, but the special display of Precious Opals was really splendid. The collection belongs to former OMS member Shasta Palmer, and includes precious opals from about 50 different locations. It is billed as the most diverse collection of opals in the world! The opal exhibit will be up until at least January 1, 2016. Try to catch it if you can. If you miss the opals, stop by anyhow. I am sure Santos will have some neat surprises to show you.



*Some of Shasta's opals
Knives from the Jade Guy, Drew Arnold*

ROCKTOBERFEST

Pictures and text by Wayne Mills, Ore-Cutts Editor

October is a busy month for local rockhounds.



Not only do the three local clubs have their regular meetings, but the San Luis Obispo Club hosts one of its two annual shows at the Veteran's Hall in San Luis Obispo. The month also includes the annual Open Studio's Tour that is one of my favorite opportunities of the year, but that is another story.



My friend Carol and I stopped at the SLO Show on our way up to a succulent fundraiser in Cambria, and I was shocked to see a familiar face behind one of the booths. It was Doug True, one of the honchos in the Midwest Federation, and host of the AFMS Field Trip to Terry Montana that I enjoyed last year. Doug's business is called "Paleo-Enterprises, and he had some really nice things as can be seen in these photos.





The fun continued on October 19 when another friend and I caught the Santa Lucia Rockhounds presentation on **Astronomy** by Richard Wade, who has done all three of his programs: **Astronomy, Dinosaurs and Volcanoes** for OMS. Richard agreed to reprise his Dinosaur talk for OMS at our May, 2016 meeting. Unfortunately, I missed the Jade Festival Held in Pacific Valley on October 9-12. Folks who attended this year said that it was another enjoyable event.

PETRIFIED WOOD

Joseph Martinez, Member, OMS. Photographs courtesy of Sphereheaven.com



Petrified wood is, in my opinion, the most beautiful fossil that is out there. It can be found in many different locations and regions of the world. It is millions of years old and is created from what once were living trees.

Now it is considered a fossil. The largest petrified log, found in northern Thailand, measured 237 feet in length. Scientists believe that when it was alive it towered a whole 330 feet in the air in a wet tropical rain forest some 800,000 years ago. On the other hand the largest Petrified Forest is Petrified Forest National Park near Holbrook, Arizona.

Petrified wood is known for its exquisite color and detail. It comes in almost every color

of the rainbow. The color is caused by chemical impurities. Chemicals such as iron and copper give the wood different colors. Carbon and manganese oxides make the wood black. Cobalt, copper, and chromium make it blue/green. Iron oxides give it the colors red, brown and yellow. Manganese by itself gives it the color pink. While silica gives it a white/grey color. The result of petrification is a fossil of the original woody material that often exhibits preserved details of the bark, wood, and cellular structures. Petrified wood is usually



Araucaria sp.—Near Holbrook, Az.

very hard and this is because sediment replaces the original plant material with silica, calcite, pyrite, or another inorganic material such as opal. This basically means that the plant part was taken out and replaced with tiny crystals making it really hard.

The process in which wood is turned into petrified wood is called petrification. Petrification is basically the process of turning plant life into stone. Petrification preserves the wood for millions of years. The process of petrification begins with three raw ingredients: wood, water, and mud. First the logs fall and roll into bodies of water. When it falls sediment and mud cover the wood. The mud that covered the logs contained volcanic ash which was a key ingredient in the petrification process. Then the minerals go to work. They can do one of two things. The minerals either fill up the pores and cavities of the organic material or the mineral containing water dissolves the original organic matter and

replaces it with mineral matter. No one knows exactly how long it takes, but eventually the mineral forms a perfect copy of the original substance, including cell structure and fibers. Wood tissue plays an important role in this process because they act as frameworks to preserve cell structure. Some of the organic material still remains, but is now embedded in the matrix.

Petrified forests can be found throughout the world in many different places. The most famous Petrified Forest is Petrified Forest National Park near Holbrook, Arizona. Over 200 million years ago, during the Triassic period, the logs washed into an ancient river system and were buried quick enough and deep enough by massive amounts of sediments and debris also carried in the water, that oxygen was cut off and decay slowed to a process that would now take centuries. The forest now encompasses almost 150 square miles. The logs found here are ancient conifers. Another



Petrified palm, East Texas

petrified forest is the Blue Forest it is near Green River, Wyoming. This forest was created during the Eocene period which was about 45-50 million years ago. It was formed by being covered by algae. It is called Blue Forest because the organic material has been replaced with agate and calcite. The agate is blue and the calcite is yellow. There is also a petrified forest in North Dakota. It was formed approximately 121 million years ago. The forest consists mainly of white cypress, but also some palm trees. The wood here is mainly black and red in color. Petrified wood is mainly located in

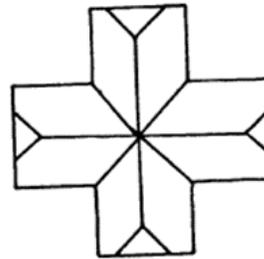
the U.S. though there are forests in Lesbos, Greece as well as Argentina, New Zealand and many other locations around the world.

KID'S CORNER

Diamond Dan's Mini Miner's Monthly Vol. 8 No. 2

TWINNED CRYSTALS

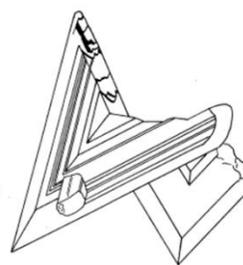
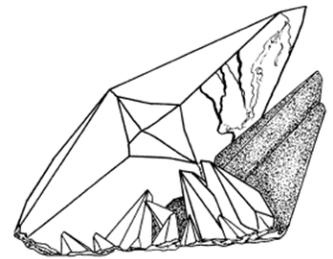
Most often, minerals form single crystals or groups of single crystals. There are times though when two or more crystals grow together. When two crystals grow together at a specific angle, a twinned crystal is formed.



This is a Staurolite twin. In this crystal two individual crystals have grown together to form a cross.

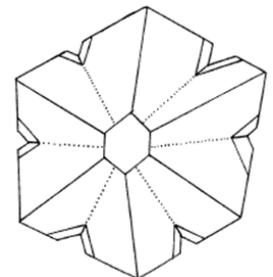
(Color me brown-ish.)

This crystal is a large Calcite crystal surrounded by a number of smaller Diamond-shaped crystals. The portion in the center indicates where two individual Calcite crystals connect to each other. *(Color me translucent.)*



This crystal is a twin of the lead mineral called Cerrusite. *(Color me clear.)*

This crystal is an interesting twin of the mineral Chrysoberyl. It is actually much more than a "twin". Mineralogists call it a "sixling" because six individual crystals have grown together to form a single, wheel-shaped crystal. *(Color me golden yellow.)*





*Star Muscovite (twinned crystal), Jenipapo, Minas Gerais, Brazil
Posted to Pinterest by Sally Lemoire ~10/2014*

ROCK NAMES

No Officer submitted a rock name as requested in the October Ore-Cutts, so here you go:

Dyana Cridelich= Adularia Ruby de' Iolite
Alexis Van Natta= Lazurite A. Mc Tantalum
Carroll "Wes" Lingerfelt= Rock I. O'Nickel
Elaine Von Achen= Amazonite Opal Mc Nephrite
Wayne Mills= Youngite Idocrase Mc'Lapis

**ORCUTT MINERAL SOCIETY—
Board Meeting
Nipomo Chamber of Commerce Office,
Nipomo, CA
October 6, 2015**

President Dyanna Cridelich called the meeting to order at 7:00 p.m.

Board members present were Wes Lingerfelt, Jeannie Lingerfelt, Janice Ferguson, Sandy Berthelot, Mike Henson, Dyanna Cridelich, Alexis Van Natta, and Elaine Von Achen. Paul Berthelot, Margaret Henson, Jeanne Brown and Wayne Mills were guests.

Minutes: Minutes were approved as printed in the October bulletin.

Treasurer's report: Wes Lingerfelt gave the treasurer's report. Report was accepted as given. Wes also went over the final show report as he has finally received the

bill from the high school. The consensus is that having done away with the snack bar and the costs inherent with renting the kitchen and kitchen help, we are in line with the last couple of years and without the added work.

Correspondence: Wes received confirmation of Liability Insurance for the locker as well as Insurance for the Directors and Officers. We also received confirmation from the DOJ that we are registered to conduct raffle drawings Sept. 1, 2015 to Aug. 31, 2016.

Committee Reports:

Abused Children: None

Annual December Luncheon Meeting: Elaine reported that members chose Roast Turkey Breast, Roast Sirloin of Beef and Grilled Portabella "Steak" for a vegetarian choice. Raspberry Delight was the overwhelming choice for dessert. The luncheon will be held in the "Round Room" at Madonna Inn on December 12th and guests may arrive at 12:00 noon. Cost is \$10.00 for members and \$20.00 for guests. Elaine will take reservations and payment at the October general meeting and members have until the 30th of November to get their money in to Elaine. There will be no reservations after that date as the numbers must be turned in to the Madonna Inn December 1st. Last year there were a couple of people who were unable to attend because they called after the 30th of November, so please sign up early.

Annual Gem Show: None

Breakfast: October's breakfast will be on the 24th at 8:30 a.m. and will be held at Country Kitchen Cafe, 775 El Camino Real, Arroyo Grande, CA.

Bulletin: October's bulletin is out.

CFMS: There will be a business meeting on November 14 in Visalia.

Education: None

Field Trip: None

Highway Clean-up: Our next clean-up will be held November 21, at 8:00 a.m. Members will meet on the South East corner of Highways 101 and 166.

Library: None

Membership: None

Refreshments: Alexis Van Natta reported that the refreshment for October will be cake provided by Donna Lehman, Sylvia Nasholm, Margaret Henson, Elaine Von Achen and Jeanne Brown.

Scholarship: The amount of money to go into the scholarship fund from our last show is \$943.43. Elaine Von Achen made a motion to round it off to \$1,000 and Jan Ferguson seconded the motion. Motion passed

Sunshine: Jeannie Lingerfelt reported that Lucky Virgin is doing much better after having some blood transfusions.

Old Business: Alexis went over the various committees and who had agreed to head those committees for 2016.

New Business:

The nominating committee for the 2016 list of officers and board members has the following members who have agreed to run for office.

President Elect: Wayne Mills

Treasurer: Jeanne Brown

Secretary: Dyanna Cridelich

Board Members: Sylvia Nasholm, Sally Griffith, Sandy Berthelot, Jan Ferguson and Debbie Hood.

Our current president elect, Alexis Van Natta, will of course be our new president for 2016.

Bill Brown has agreed to manage the Web Site. Wayne Mills has agreed to be our Federation Director.

Wes said he will order the pins to be presented at the annual Christmas luncheon.

Our program for October will be given by Wayne Mills, Jan Ferguson, Wes Lingerfelt and Elaine Von Achen on past OMS field trips.

The meeting was adjourned by President Dyanna Cridelich at 8:07 p.m.

Respectfully submitted: Elaine Von Achen, Secretary, OMS

**ORCUTT MINERAL SOCIETY—
General Meeting
Luis Oasis Senior Center, Orcutt, CA
October 13, 2015**

President Elect, Alexis Van Natta, called the meeting to order at 7:03 p.m. She noted that she was filling in for Dyanna Cridelich who was feeling unwell.

Mike Henson gave the invocation.

Joseph Martinez led the flag salute.

Minutes: Elaine Von Achen read the minutes from the October 6, 2015 board meeting. Minutes were approved as read.

Treasurer's report: Wes Lingerfelt gave the treasurer's report. It was accepted as given. He also went over the final Gem Show report. We were right in line with the last few years.

Correspondence: Elaine read a letter from the CFMS thanking us for our donation of \$100.00 in memory of Lee Reyburn.

Hospitality: There were 26 members and 1 guest in attendance. Our guest was David Mann. David was welcomed.

Refreshments: Alexis Van Natta reported cakes from Sylvia Nasholm, Elaine Von Achen, Margaret Henson, Donna Lehman and Jeanne Brown.

Committee Reports:

Annual December Luncheon Meeting: Elaine reported that our luncheon will be held at the Madonna Inn in the round room on the 12th of December at 12:00. Cost is \$10.00 for members and \$20.00 for guests. Elaine will take reservations this evening, and until the 30th of November. Numbers must be turned in to the Madonna Inn by December 1st. She cautioned members to be sure to get their reservations in early.

Abused Children: None

Breakfast: October's breakfast will be held at Country Kitchen Cafe, 775 El Camino Real, Arroyo Grande at 8:30 a.m.

Bulletin: The bulletin has been mailed and is on the web.

CFMS: There will be a business meeting on November 14th in Visalia. As Federation Director Wes will be attending and as Federation Director Elect, Wayne Mills will also attend.

Door Prizes: Joseph Martinez reported donations of a picture stone slab, Mexican coconut and a piece of Montana agate from Wayne Mills. There were lots of other various assorted items.

Education: None

Gem Show: None

Historian: None

Field Trip: Nothing planned.

Highway Clean-up: Our next highway clean-up will be held **November 21**. Members will meet on the south east corner of highways 101 and 166 at 8:00 a.m.

Library: None

Membership: None

Junior Members: None

Political Action Committee: None

Property: None

Scholarship: None

Sunshine: Jeannie Lingerfelt reported that long time OMS friend and show demonstrator, Bill Depew, had a slight stroke. He is doing okay now. She passed around a card for everyone to sign.

Old Business: Alexis reported that she, as President Elect for 2016, headed the nomination committee for next year which included Wayne Mills and Bill Hood. She read each of the following names and the office they are

running for, three times and opened each office up for nominations from the floor.

President Elect: Wayne Mills

Secretary: Dyanna Cridelich

Treasurer: Jeanne Brown

There were no nominations from the floor.

Alexis then read the following names for persons running for the **Board of Directors:**

Sandy Berthelot

Janis Ferguson

Debbie Hood

Sylvia Nasholm

Sally Griffith

She then opened up the Board of Directors position for nominations from the floor. Sylvia Nasholm nominated Don Nasholm who agreed to run. As there are five openings and six members running there will be a ballot at the November meeting. Nominations were closed until the November meeting where they will again be opened one final time.

Roger Lehman reported that there is a showing of Opals, belonging to Shasta Palmer, in San Luis Obispo at the Marigold Shopping Center. They are being shown at "I Love Rocks".

New Business:

Alexis had a jacket, two hats and a patch to be auctioned off. These items belonged to former member, Lee Reyburn, who passed away last month. Wes bought the jacket for a bid of \$15.00, Stan bid \$5.00 on one of the hats and Debbie Hood bide \$2.00 on the other hat. Alexis got the patch for a bid of \$2.00

Wayne Mills did a slide presentation of OMS field trips given by: Wes Lingerfelt, Janis Ferguson, Elaine Von Achen and Wayne Mills.

Alexis thanked the people who had brought a display. (Mike and Margaret Henson, Jan Ferguson and Wayne Mills).

President Elect, Alexis Van Natta adjourned the meeting at 9:00 p.m.

Respectfully submitted: Elaine Von Achen, Secretary, OMS

	Copper Turtles Display: Best 1' x 1' display Dessert: Cookies
Saturday, Nov. 21 8:00 am	Highway Clean-up SE corner Rtes. 101/166 East
Saturday, Nov. 21 8:00 am – 3 pm	Rock Yard Sale at Cliff Brewer's in San Miquel.
Saturday, Nov 28 8:30 am	☉ Breakfast— Sunset Ridge, Santa Maria
DECEMBER 2015	
Tuesday, Dec 6 7:00 pm	Board Meeting 239 W. Tefft, Nipomo
Saturday, Dec 12 7:00 pm	Annual Meeting, Madonna Inn at 12:00 Noon
Friday, Dec 25	MERRY CHRISTMAS!
Saturday, Dec 26	☉ No Breakfast in December

CFMS SHOWS

NOVEMBER 2015

November 7 - 8: ANAHEIM, CA

American Opal Society
The Phoenix Club
1340 South Sanderson Avenue
Hours: Sat 10 - 6; Sun 10 - 5
Contact: Veronica Purpura, (714) 501-9959
Email: info@opalsociety.org
Website: www.opalsociety.org/

November 7 - 8: OXNARD, CA

Oxnard Gem & Mineral Society
Oxnard Performing Arts Center
800 Hobson Way
Hours: Sat. 10 - 5; Sun. 10 - 4
Contact: Josephine Martinez, (805) 701-1826
Email: josephinecmartinez@gmail.com

OMS CALENDAR

NOVEMBER 2015

Tuesday, Nov 3 7:00 pm	Board Meeting 239 W. Tefft, Nipomo
Tuesday, Nov 10 7:00 pm	General Meeting — Luis Oasis Senior Center Program: Ralph Bishop on

Website: www.oxnardgem.com

November 7 - 8: RIDGECREST, CA

Indian Wells Gem & Mineral Society
Desert Empire Fairgrounds
520 South Richmond Road
Hours: 8 - 5 daily
Contact: John DeRosa, (760) 375-7905
Email: jfrocks@dslextreme.com

November 15 - 16: YUBA CITY, CA

Sutter Buttes Gem & Mineral Society
Yuba-Sutter Fairgrounds - Franklin Hall
442 Franklin Avenue
Hours: Sat 10 - 5; Sun 10 - 4
Contact: Kartie Slightam, (530) 673-9649
Email: mktalternatives@comcast.net

November 21 - 22: APPLE VALLEY, CA

Valley Gem & Mineral Club
Victor Valley Museum
11873 Apple Valley Road (x Bear Valley Rd.)
Hours: Sat 9 - 5; Sun 9 - 3
Contact: Ed Skidmore, (760) 243-2330
Email: vp-shows@vvgmc.org
Website: www.vvgmc.org

November 21 - 22: SANTA CRUZ, CA

Santa Cruz Mineral & Gem Society
Live Oak Grange Hall
1900 - 17th Avenue
Hours: 10 - 5 daily
Contact: Julia Cornblatt, (831) 687-0509
Email: julia.cornblatt@gmail.com
Website: www.scmgs.org

DECEMBER 2015

December 5 - 6: BARSTOW, CA

Mojave Desert Gem & Mineral Society
Cora Harper Community Center
841 S. Barstow Road
Hours: 10 - 5 daily
Contact: Danny Watts, (760) 373-1309
Email: dvwatts@msn.com
Website: www.mdgms.net

December 5 - 6: LAKESIDE, CA

El Cajon Valley Gem & Mineral Society
Lakeside Rodeo Grounds
12584 Mapleview Street
Hours: Sat 9 - 5; Sun 9 - 4
Mary Ness, (619) 449-0759
Email: ecvgms@gmail.com
Website: www.ecvgms.com

December 12 - 13: RIALTO, CA

Orange Belt Mineralogical Society
Across Street from Rialto City Hall
105 South Palm Avenue
Hours: Sat 9 - Dusk daily
Contact: Jessica Pierson, (909) 381-0089
Website: <http://OBMSrocks.yolasite.com>

2015 - OMS Officers

President	Dyana Cridelich	(805) 937-4347
President-Elect	Alexis Van Natta	(805) 937-4347
Secretary	Elaine Von Achen	(805) 929-1488
Treasurer	Wes Lingerfelt	(805) 929-3788
Imm. Past Pres.	Elaine Von Achen	(805) 929-1488
Federation Rep.	Wes Lingerfelt	(805) 929-3788

2015 - OMS Board Members

Sandy Berthelot	(805) 349-3977
Jan Ferguson	(805) 474-9977
Mike Henson	(805) 934-1308
Jeannie Lingerfelt	(805) 929-3788
John Von Achen	(805) 929-1488

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OMS Membership \$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. **OMS Membership Chairperson is Elaine Von Achen** (805) 929-1488

OMS Webmaster - Wes Lingerfelt - (805) 929-3788

Check out our OMS web site at: <http://www.omsinc.org> or send e-mail to info@omsinc.org.

Ore-Cutts Editor

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Wes Lingerfelt	(805) 929-3788	rocks4u@prodigy.net
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Brecciated Jasper—San Simeon Creek, San Luis Obispo Co., Ca

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.