



Ore-Cutts

Volume XL, Issue VII

July, 2005

Tourmaline Dreams

By Bess Shields, Editor, *Ore-cutts*

Tourmaline! The very name conjures up images of far away places, and exotic gems. John Ruskin, political writer (1819-1900), said of tourmaline, "it's a little of everything, more like a medieval doctor's prescription than the making of a respectable mineral."

I grew up in the San Diego area, where world-class tourmaline specimens have been successfully mined for generations in the hills near Ramona and Pala. Mom and I hiked the hills on numerous day trips. Pala, Himalaya, Rincon, Stewart Lithia area mines and diggings were familiar stomping grounds in the 1950's. Mom's love of nature made a deep impression on me, and encouraged me to pursue studies in geology.



Dravite on Muscovite Mica, Soklich Mine, Yinnieharr, Western Australia

Tourmaline's name comes from the Sinhalese word, "turмали", meaning mixed precious stones, and this mineral comes in over 100 hues. Tourmaline is the principle boron-containing mineral in earth's crust, and has its genesis in both high temperature igneous pegmatites, and in metamorphic rocks. Nearly all gem tourmaline is found in pegmatites.



Elbaite, Queen Mine, Pala, San Diego County, CA

Tourmaline forms slender, 3-, 6-, or 9-sided hexagonal crystals in parallel or radiating groups. Crystals are most commonly seen as long, striated (or grooved) prisms, and are often triangular in cross section. Fine, needle-like (called acicular) crystals are often found, but tabular crystals are rare. Hardness on the Mohs' Scale is 7 to 7.5. Tourmaline has a conchoidal fracture (I know from experience...).

There are dozens of members in the Tourmaline Group. The four most common forms are elbaite, dravite, schorl, and uvite.

Elbaite is the type that most folks think of when tourmaline is mentioned. Elbaite is transparent or translucent, and is often cut into gemstones. The colors range from red, pink, orange, yellow, green, and blue, to colorless, and are sometimes banded or zoned in color. It is a sodium lithium aluminum boro-silicate hydroxide.

Dravite is translucent brown or dark amber in color, and forms large, plump crystals. It is a sodium magnesium aluminum boro-silicate hydroxide.

Schorl is commonly opaque-black, but can also be deep bluish-black, or dark brownish-black. It is the most abundant tourmaline group mineral. Schorl is sodium iron aluminum boro-silicate hydroxide.



Schorl, Chacoya Mine, Castrovirreyna, Huancavelica, Peru

Uvite is black, brown, or green. It is either opaque or translucent, and can be cut as a gemstone. Uvite is a calcium sodium magnesium iron aluminum boro-silicate hydroxide fluoride (a real hodge-podge!).

Tourmaline has a unique pyroelectric property. When the crystals are heated or cooled, the stone attracts dust particles, ashes, straw, and bits of paper. Because of tourmaline's atomic composition, an electrical charge is generated which causes it to attract light particles. Dutch pipe smokers called tourmaline "ashen-trekers" since tourmaline crystals were used to draw ashes from their pipes. Silversmiths frequently used crystals in their travel cases to keep dust and lint to a minimum.

The first reference to tourmaline's pyroelectric effect is in writings by Theophrastus in 314 BC who noted that tourmaline becomes charged when heated. When heat or pressure is applied, an electrical charge is produced. This property is used in the high pressure gauges at weigh stations on our interstate highways. A tiny needle of tourmaline is producing a charge in these gauges.

Tourmaline also has a piezoelectric property. Piezoelectricity is the ability of certain crystals to produce a voltage when subjected to mechanical stress. When the crystal is vibrated, heated, or compressed, a positive and negative electrical charge will form at opposite ends of the crystal. The glassy black varieties of tourmaline are used for electrical apparatus that depend upon their pressure-electric characteristic. The first practical modern application for piezoelectric devices was sonar.

Tourmaline crystals are pleochroic which means that the crystal looks darker in color when viewed down the long crystal axis than when viewed from the side. The color of the stone changes when held at different angles in varying light. Pieces cut perpendicular to the long axis can polarize light.



Tourmaline on Cleavelandite, Golconda, Minas Gerais, Brazil

Tourmaline locations in California are in Riverside County and San Diego County. The Stewart Lithia Mine, Oceanview Tourmaline

Mine. Pala Gem Mine, and Mesa Grande are but a few of the sites containing pegmatite treasures. Many of the mines offer collecting for a nominal fee. Tourmaline sifting and high-grading at the mines is an experience every rockhound should try at least once.

I was so fortunate to have a Mother who encouraged, and appreciated my love for rocks. She drove this pebble pup to mines, helped collect the tourmaline right alongside me, and bought supplies to properly label the specimens. I didn't have to search the world over for treasure, because it was right in my own back yard!

P. S. Our OMS library has "The Stewart Lithia Mine" video available for check-out.

CFMS Director's Report

11 June, 2005

Wes Lingerfelt, OMS Representative to CFMS

The following information is provided to the members of the OMS to allow discussion and a decision that must be made in the near future.

First off, let me say the meeting was extremely boring, and a real pain to be there since most of the activity is actually real-time discussion and bickering over minor word changes to a suggested change to the Operating Regulations. Just imagine a committee of 77 people trying to come to agreement over a word change of "permanent" vs. "ongoing" in the operating regulations. After many motions and amended motions were sorted through, it finally got resolved after an hour and a half.

The real important item that came up for a vote and passed the board was a presentation by Fred Ott, the Insurance Committee Chair, to purchase Officers and Directors insurance for the CFMS.

It was noted that the past belief of a volunteer worker in a non-profit being immune to law suits is no longer valid. The original law passed in 1986 had some fine print that has been ignored until recently. It stated that the law applies so long as purchase of appropriate insurance is not available. It was not at the time of passage of the law; it is available now.

Fred's proposal passed the board vote. The estimated cost to the CFMS will be \$.35 per member (Roughly \$3850.00). If a club wants the insurance it will cost \$250.00 per year regardless of member count.

[Editor's note. There were no interesting pictures from Wes's visit to the meeting, so we chose some cool shots from the OMS picnic (which happened at the same time) to liven up the article]



Our expert crew slaving over hot coals at the annual OMS Picnic while Wes attends to CFMS business

Here is a copy of information the insurance company (McDaniel Insurance Services) provided to CFMS:

WHY DIRECTORS AND OFFICERS INSURANCE?

Suits against Nonprofit Directors and Organizations themselves are on the rise.

Even if a suit is defended successfully, litigation is very expensive.

Why are Directors and Officers at risk?

By virtue of their positions within the non-profit corporation, Directors and Officers are legally obligated to the duties of due diligence, obedience, and loyalty. Failure to perform ones duties through wrongful acts or negligence can be cause for suit. It is not uncommon for suits alleging wrongful acts to be groundless and/or opportunistic.

What is the risk?

Directors and Officers may personally be held liable with their personal assets at risk. The organization may also be sued, putting its assets at risk. This could destroy an organization. Directors and Officers can further be held liable for putting the organization at risk.

Won't the General Liability Protect us?

General Liability provides coverage primarily for bodily injury and property damage due to an occurrence. Only Directors and Officers Liability provides coverage for 'Wrongful Acts'. The policy

typically defines this as 'any actual or alleged error, omission, misstatement, misleading statement or breach of duty'. (Policy definitions vary.)



Meanwhile, watermelon was the order of the day at the semi-annual OMS business meeting

Who Can Put in Claims and for what?

- Members and Volunteers can submit claims for denied opportunities, denied non-monetary compensation, hostile work environment, discrimination, harassment. These are similar to the Employment related suits that are at an all-time high (If, for example, a member has a professional or prestige interest in membership and is denied a position because of complaints of improper conduct, the organization can find itself in a sticky position).
- Employees ...for the same reasons that they make claims to for-profit companies. Employment Practices Liability coverage is available through the D&O policy.
- Other board members who are displeased with the allocation of funds or with policy decisions.
- Donors who feel that their funds have not been used in the manner intended.
- Beneficiaries of services who feel that they were not appropriately dealt with.
- Individuals or corporations who feel they have been financially harmed by the policies or actions of the organization.
- State Attorney Generals who feel there has been a mismanagement of funds or other wrongdoing or conflict of interest.
- Suits to limit public comment may be an issue.

Legal Climate

Recent Legislation, such as the Sarbanes-Oxley Act, requires higher standards of accounting and transparency. While these may be directed primarily

at public corporations, a higher bar has been set for all organizations. These standards may be more difficult for non-profits to adhere to because they are often understaffed or staffed by volunteers.

Won't the Volunteer Protection Act of 1997 provide protection?

Although it provides some limited protection for volunteers, there is no protection provided for the organization (the nonprofit corporate entity). Lack of clarity in some of the wording may require litigation.

Although due diligence requirements may be reduced if a duty is not required or appropriate, or deemed within the 'scope of responsibilities', these terms may be unclear. In addition, the liability for affirmative duties may be increased. Suits solely against volunteers may be discouraged or dismissed, depending upon their nature but volunteers may be named in a suit. Most importantly, legal costs remain a concern.

Defense costs average \$115,000 to \$150,000 for non-profit organizations. Even in cases where the claimant dropped the claim, costs average \$19,000.

Features of Directors and Officers Policies

- Carrier's duty to defend with first dollar defense.
- Defense costs outside the limit of liability.
- No personal injury exclusion.
- Defense cost for breach of contract claims.

Defense costs for suits seeking non-monetary damages.



So, Wes, what's the verdict? Are we fur or agin it??

- Wrongful Act definition wording "include but not limited to" allows for coverage for (by virtue of open wording).
- Infringement of copyright or trademark or unauthorized use of title.
- Plagiarism or misappropriation of ideas.
- No third party publishing exclusion.

- Employment practices coverage uses "including but not limited to wording".
- Marital estate coverage.
- Severability of warrantee.
- Coverage while serving as a director or trustee of any other not-for-profit entity at the insured's express written direction.

Who is Insured:

The non-profit entity, any non-profit and for profit subsidiaries in existence at policy inception, any past, present or future directors, officers, trustees, employees, volunteers, or any member of the staff, faculty or any duly constituted committee of the Insured Entity.

McDaniel Insurance Services
206 N Signal St., Ste. 0
PO Box 1294 Ojai, CA 93024
Phone: 805-646-9948
800-400-7288 Fax: 805-646-9976
E-mail: mdns@west.net

Mark the Calendar

Next year's CFMS Show, "Jump for the Gold," is planned for June 9-11 2006, in Angels Camp, CA at the Calaveras County Fairgrounds. Our hosts will be the Calaveras Gem & Mineral Society.

July General Meeting Program**AMAZING CAVES**

Reviewed by Sharon Duncan, OMS President-elect
Journey into "Amazing Caves" is a visceral, suspenseful expedition with a new breed of scientists who boldly explore places once thought off-limits to human presence let alone IMAX cameras. Join Dr. Hazel Barton and Nancy Aulenbach as they travel to unique and forbidding ice caves in Greenland, underwater caves in the Yucatan, terrestrial caves in the Grand Canyon and other spectacular locations. You will wriggle through tiny twisting passages, swim through flooded underground vaults, drop into gleaming blue labyrinths of ice, and enter a world so extreme the microscopic creatures who live there are called extremophiles. For those compelled to push their limits in the world's most hostile environments, the risk of fatal danger and thrill of new discovery are the everyday factors that make cave exploration such an awe-inspiring experience.

Check our OMS web site at <http://omsinc.org>
or send email to info@omsinc.org.

OMS Annual Show

Mark you calendars. We are fast approaching the biggest event of the year for Orcutt Mineral Society. The enthusiastic support of our membership makes this show a "must" for our dealers and the local public.

If you need a permanent OMS name tag, Frank Mullaney will set up his booth at spot 5, directly in front of the country store. He'll offer



his skills at engraving and trophy design. Frank is also the supplier of the now-famous rockhound patch illustrated here. The patch is a fund

raiser for CFMS, and copies will be available at the OMS welcome table. Numerous other demonstrations and events are planned, so bring the whole family and all of the neighbors.

Here are notes for volunteer opportunities you should consider:

SNACK BAR

Our rock show is only one month away. Once again it is time for me to beg, plead, cajole, and outright BRIBE you into volunteering in the kitchen for our Rainbow of Gems show! Seriously, we do all the difficult work - all you have to do is smile at the people, chat, and serve up the food of choice! You get to enjoy chatting it up with all the rock hounds around, and get to sample some great food too! I will need helpers on Thursday (set up dinner), and in the snack bar Friday, Saturday, and Sunday. I will have sign-up sheets at the July meeting. Meanwhile, keep in mind that I will need a pie donation from each family, delivered Thursday p.m. or Friday sometime. If you need other arrangements, please contact me at 481-0923.

I am looking forward to the event this year, and to spending time with all of you!

Thank you! Sylvia

Treasure Chest & Hospitality

Once again our OMS Rainbow of Gems Show is nearing. One way to raise revenue for our club is

by having a Treasure Chest Raffle drawing. The raffle will be held on Sunday, August 8th at 4:00 p.m. A big thanks for all the wonderful donations already received. We are still accepting donations.

With much appreciation, Dee Dee Magri

Country Store

It's once again time to clean out all those wonderful garage sale items you've wanted to pass on. Also, plants are great sellers, so pot up your cuttings and bring them along. Be sure to stop by and shop the great bargains at the country store.

A great big thank you to everyone for your support in helping our club do all the nice things we do. Debbie Hood

Displays & Demos

It's time to show off your treasures, and special specimens for others to admire. If you haven't signed up for a display spot yet, please give me a call, and I'll reserve a place for you. We already have a number of out-of-town displays and demonstrators lined up. If you are interested in holding a special one hour talk, or demonstrate your special skills, please give me a call.

Lucky Virgin

Fluorescent Room

Want a cool, dark place to relax during the show? Come help us in the Fluorescent Room. No special knowledge of fluorescence needed, just a helping hand with flashlights or to hand out and collect protective glasses. We also will arrange chairs for the talks and demonstrations.

Welcome aboard! Dick Shields

Volunteer Opportunities!

It's almost OMS Gem Show time again. This is our opportunity to welcome friends, neighbors, and fellow rockhounds from other rock clubs to the central coast. It takes a lot of coordination, but with everyone doing just a little, we can accomplish much! An hour of volunteering in the kitchen, welcoming guests at the Hostess Table, directing visitors to the demonstrator tables, and answering the numerous questions about our club is all it takes.

So, you aren't sure who to contact? Just give the following chairmen a call, and say, "I'd like to help out!" Together, we can make it bigger, better, friendlier, and more fun!

Chairman	Lucky Virgin
Co-chair	Sharon Duncan
Dealers	Wes Lingerfelt
Exhibits and Demonstrations	Lucky Virgin
Country Store	Debbie Hood
Snack Bar	Sylvia Nasholm
Treasure Chest	Dee Dee Magri
Decorations	Ralph Bishop
Grab Bags	Bess Shields
Hostess	Dee Dee Magri
Electrical	Wes Lingerfelt
Publicity	Wayne Mills
Signs	Don Nasholm, Wes Lingerfelt
Security	Robert Bullock (?)
Show Layout	Wes Lingerfelt
Skirting, set-up & clean-up	All members
Thursday Dinner	Sylvia Nasholm

Tip from an ancient stone-crafter

Recently we were talking to a friend, Jim Jepsen, who has been away from rockhounding and lapidary pursuits for thirty years. He offered us some 'new' ideas. Actually, they are old ideas and techniques that still work well today.

Do you have small slabs and chunks of excellent material, but they are too small to hand hold or won't stay on dop sticks? Jim's solution is so simple. He suggests mixing up a batch of plaster of paris with the stone(s) inside. You now have a large cube that will fit into your slabbing machine, or is easy to hand hold while working with the specimen(s). Thanks, Jim, for the reminder.

The Wanderer

Nothin' Says Lovin' Like Somethin' From the Oven!

Chef Sylvia Nasholm and her dedicated kitchen crew are already preparing for our OMS Annual Rockhound Tailgating, Rock & Gem Festival. And, that means we will once again be treated to the best darned Santa Maria style Barbecue on the Central Coast, and a whole weekend of Sylvia's cooking! I person-

ally come running for a piece of Jeannie Lingerfelt's pecan pie, and love the special beans Don Nasholm prepares for the Thursday night kick-off dinner.



Sylvia (left) commanding the well-stocked tight ship

I hope that each of you will take a minute to drop by the kitchen to thank Sylvia and her crew for their dedicated service. Better yet, volunteer to help out for a couple of hours. She runs a tight ship, and keeps the jokes flying all day with her lively sense of humor. Please don't forget to bring her a pie on Thursday or Friday (the proceeds go into our Scholarship Fund).

It takes a lot of coordinated effort to pull together a Gem Show. By working together as a team, the vendor spaces are clearly marked, tables are set up in the main display hall to hold exhibit cases, display case wiring is installed (and safety checked!), demonstrator areas are assembled, the kitchen is abundantly stocked, microphones are checked for functionality, welcome table and show packets miraculously arrive to greet our dealers, demonstrators, and exhibitors. And, this is all accomplished before Thursday at noon when vendors begin set-up, and display cases are stocked with specimens.

Whew, with all of that work going on, it's no wonder that the kitchen is the hub of activity.

Give our gal Sylvia a hug, praise her hard work, and volunteer to do whatever she needs to be done. I'll see you there (that's me eating pecan pie again!).

Happy Hunting,
Love, Bess

Orcutt Mineral Society

Board Meeting

Mussell Senior Center, Santa Maria CA

7 June 2005

The meeting was called to order at 7:15 p.m. by President Lucky Virgin. Board members present were: Lucky Virgin, Sharon Duncan, Wes Lingerfelt, Bess Shields, Sylvia Nasholm, Marshall Reeves, Geary Sheffer, Bob Bullock, DeeDee Magri, and Debbie Hood. Guests were: Dick Shields, Bill Hood, Truman Burgess, Josh Simonson, Wayne Mills, Don Nasholm, Jeannie Lingerfelt, Dave Hignet, SheHo Hignet, Charlie Azevedo and son, Jan Ferguson, Brenna Ferguson, Ralph Bishop, Kathy Collison, Elaine VonAchen, and John VonAchen.

Minutes of the previous Board Meeting were approved as read. Minutes of the previous General Meeting were approved as read.

Treasurer's Report was read by Wes Lingerfelt, and accepted as read.

Committee Reports:

Field Trips/Safety: Bob Bullock reported that the field trip last Saturday was cancelled due to lack of attendees.

Scholarship: Wayne Mills was accompanied to the Scholarship Presentation ceremony by Sharon Duncan. Wayne will not be doing "the ol' Prospector" fundraiser at our Gem Show this summer since his knees have given out. A donation of \$51.00 was made to the OMS Scholarship Fund from money collected at the Dana Adobe Days Gold Panning activity.

Sunshine: Debbie Hood reported that Debbie Hanson of Dad's Rock Shop passed away on May 27th of unknown causes.

Correspondence:

- *Lapidarian* newsletter
- Santa Maria Valley Chamber of Commerce club information questionnaire
- *Sun Valley Indian School* newsletter
- *Yellowstone Deposit* newsletter
- *Dinny's Doin's* newsletter
- CFMS Notification of Awards
- Museum of the Americas letter

Old Business:

None

New Business:

Wes Lingerfelt has filed a request for insurance to cover our OMS Gem Show. A plethora of questions needed answers before the insurance will be issued.

Gem Show: Wes Lingerfelt reported on the availability of classrooms and great hall for set-up day, and mentioned new dealers that he has lined up. The raffle tickets are printed and will be distributed soon. DeeDee Magri needs a lot more Treasure Chest donations.

With Marshall Reeves moving to Oregon with his family, many of the jobs Marshall accomplished will need new chairmen. A new Adopt-a-Highway chairman is needed, someone needs to set up the July display in Lompoc Library, the General Meeting raffle needs a volunteer, and the club needs to elect a new Board Member to fill the remainder of Marshall's term.

Wayne Mills volunteered to fill the Board position. Wes Lingerfelt nominated Wayne, seconded by Bob Bullock. Wayne Mills was elected to fill the vacancy as Board Member.

Wes Lingerfelt reminded Lucky Virgin that the gate key for the OMS Picnic site needs to be picked up 24 hours before the event (from Parks & Recreation Dept.).

Marshall Reeves turned over the Raffle barrel, tickets, tally, and about \$300.00 worth of merchandise for the raffle.

The meeting was adjourned at 7:35 p.m. by President Virgin.

Respectfully submitted,
Bess Shields, Secretary, OMS

Following the Board Meeting, club members held a ROAST for Marshall Reeves. Wes Lingerfelt gave a humorous overview of how/when/why/what the gift card for Marshall was all about. Ralph Bishop then read two humorous accounts of rockhounding adventures on the road with Marshall (that were published in the June 2005 *Ore-Cutts*). Dick Shields presented a computerized movie of Ralph, Wes, and Marshall's shenanigans at Lucy Tunnell's Rockpile, "da Girlz" at Big Sandy dig, and a tribute to the entire Reeves family for their long involvement with OMS. Members then took turns relating stories and infamous quotes about Marshall, and were treated by our "ladies of perpetual refreshments" who served a huge carrot cake, ice cream, and hot beverages to the motley crew. Farewell, dear friends! The party was adjourned at 9 p.m. by the Mussell Center attendant (he needs to go home sometime!).

Want Ads**Lapidary Equipment For Sale**

We have numerous pieces of lapidary equipment for sale. We welcome your calls and inquiries. Arbors, lapidary sets, and miscellaneous flat laps are available. Please call Dick and Bess at 937-0357 for further information.

Web Sites of Note:

July 2005

USGS article on Gemstones (Tourmaline):

<http://minerals.usgs.gov/minerals/pubs/commodity/gemstones/sp14-95/tourmaline.html>

A field trip to the Stewart Lithia Mine at Pala, San Diego County, California:

<http://www.mmmgems.com/stewart/>

"An Introduction and History of Tourmaline" from our Canadian neighbors:

<http://www.cigem.ca/414.html>

An overview of Tourmaline from the University of Texas:

http://www.geo.utexas.edu/courses/347k/redesign/gem_notes/tourmaline/tourm_main.htm

A brief introduction to the Tourmaline Group:

<http://www.element51.com/article5.htm>

Classification Scheme and Images of Tourmaline:

<http://minerals.gps.caltech.edu/FILES/Visible/tourmaline/Index.htm>

California Federation of Mineralogical Societies:

<http://www.cfmsinc.org/>

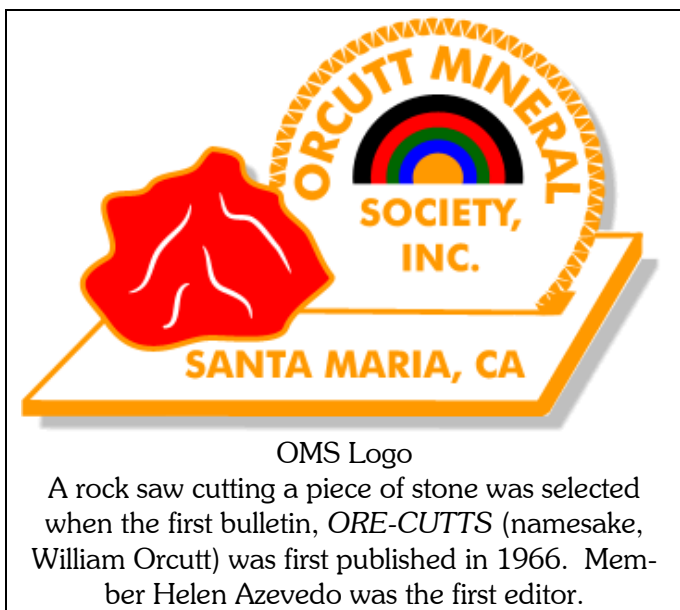
American Federation of Mineralogical Societies:

<http://www.amfed.org/>

Official Stuff**OMS Purpose**

Founded in 1958, and is named after William Orcutt, a geologist and civil engineer who worked in the Santa Maria Valley as a district manager for Union Oil Company in 1888. In 1889, Orcutt discovered the fossil wealth of the La Brea Tar Pits, one of the most significant fossil finds in paleontological history. The Society is a non-profit club, dedicated to stimulating an interest in rocks and minerals. The club offers educational programs, field trips, youth activities, and other opportunities for families and individuals to pursue an interest in collecting and lapidary treatment of rocks, fossils, gems, min-

erals, and other facets of Earth Sciences. In addition, a 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 purposes. Affiliations: California Federation of Mineralogical Societies and American Federation of Mineralogical Societies.



Orcutt Logo

A rock saw cutting a piece of stone was selected when the first bulletin, *ORE-CUTTS* (namesake, William Orcutt) was first published in 1966. Member Helen Azevedo was the first editor.

2005 OMS Officers

President	Lucky Virgin	(805) 929-4525
President Elect	Sharon Duncan	(805) 929-2209
Secretary	Bess Shields	(805) 937-0357
Treasurer	Wes Lingerfelt	(805) 929-3788
Immediate Past President	Debbie Hood	(805) 481-6860
CFMS Representative	Wes Lingerfelt	(805) 929-3788

2005 OMS Board Members

Geary Sheffer	(805) 925-8009
Sylvia Nasholm	(805) 481-0923
Robert Bullock	(805) 928-6372
DeeDee Magri	(805) 595-2755
Wayne Mills	(805) 481-0923

Ore-Cutts Editors

Dick and Bess Shields	(805) 937-0357
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Webmasters

Dick Shields	(805) 937-0357
Wes Lingerfelt	(805) 929-3788

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Orcutt Membership dues are \$18 per year. Junior Membership is \$9.00. New membership dues are pro-rated from January 1st of the first year.

July 2005 Calendar

Tuesday July 5, 2005 7:00 PM - 8:30 PM	Orcutt Board Meeting -- Mussell Senior Center. All members are welcome at this business meeting.
Saturday July 9, 2005 8:30 AM - 5:00 PM	Field Trip to Vandenberg Beaches -- Meet at Mussell Senior Center Parking Lot. Bring a valid government issued picture ID (i.e., CA driver's license) and proof of auto insurance for each vehicle. Also bring plenty of water and a lunch. Contact Bob Bullock at 928-6372 for details.
Tuesday July 12, 2005 7:00 PM - 9:00 PM	Orcutt General Meeting -- Mussell Senior Center. <ul style="list-style-type: none"> • Program: CFMS Video on "Amazing Caves of New Zealand and Australia" • Display: Best 1 foot X 1 foot display • Refreshment: Pies.
Saturday July 16, 2005 8:00 - 10:00 AM	Orcutt Highway Cleanup -- Intersection of Highway 101 and 166 After the cleanup we have coffee and pastry at "Francisco's Country Kitchen" in Santa Maria. Contact Lucky Virgin at (805) 929-9525 for details.
Saturday July 23, 2005 8:15 AM - 9:15 AM	Orcutt Monthly Breakfast -- "Francisco's Country Kitchen" in Santa Maria. Call Ken Kreh at 343-7749 for details.

August 2005 Calendar

Tuesday August 2, 2005 7:00 PM - 8:30 PM	Orcutt Board Meeting -- Mussell Senior Center. All members are welcome at this business meeting.
Friday - Sunday August 5-7, 2005 10:00 AM - 5:00 PM	38th Annual Orcutt Gem Show -- St Joseph's Church, 298 South Thompson Avenue, Nipomo. For details go to http://www.omsinc.org/tailgate.html For reservations call Wes Lingerfelt at (805) 929-3788 or Lucky Virgin at (805) 929-4525.
Tuesday August 9, 2005 7:00 PM - 9:00 PM	Orcutt General Meeting -- Mussell Senior Center. <ul style="list-style-type: none"> • Program: "Orcutt Gem Show Recap with Slides" • Display: Agates from Everywhere • Refreshment: Cookies
Saturday August 27, 2005 8:15 AM - 9:15 AM	Orcutt Monthly Breakfast -- "Francisco's Country Kitchen" in Santa Maria. Call Ken Kreh at 343-7749 for details.

September 2005 Calendar

Tuesday September 6, 2005 7:00 PM - 8:30 PM	Orcutt Board Meeting -- Mussell Senior Center. All members are welcome at this business meeting. Farewell to the
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	Reeves following the board meeting.
Saturday September 10, 2005 9:00 AM - 4:30 PM	Field Trip to Los Padres Forest -- Meet at Mussell Senior Center Parking Lot. Explore a local private ranch with an interesting green chert deposit and fossil shells. Accessible for 2 wheel drive vehicles and no hiking required. Bring lunch and water to drink. Contact Bob Bullock at 928-6372 for details.
Tuesday September 13, 2005 7:00 PM - 9:00 PM	OMS General Meeting -- Mussell Senior Center <ul style="list-style-type: none"> • Program: "Fluorescing" by Dick Shields • Display: Bring rocks and minerals to fluoresce • Refreshment: Cakes and Cookies
Saturday September 17, 2005 8:00 AM -10:00 AM	OMS Highway Cleanup -- Intersection of Highway 101 and 166 After the cleanup we have coffee and pastry at "Francisco's Country Kitchen" in Santa Maria. Contact Lucky Virgin at 929-4525 for details.
Saturday September 24, 2005 8:15 AM - 9:15 AM	OMS Monthly Breakfast -- "Francisco's Country Kitchen" in Santa Maria. Call Ken Kreh at 343-7749 for details.

38th Annual OMS Gem Show

Earth's Treasures - Rocks - Minerals - Gems
Exhibits - Tailgaters - Demonstrations - Lapidary Equipment
St Joseph's Church
298 South Thompson Avenue
Nipomo, California

3 Big Days! 10 AM-5 PM

August 5th, 6th, 7th 2005

ONE-OF-A-KIND CRAFTED STONE
MERCHANDISE FROM ALL OVER THE
WORLD. ROCK BOTTOM PRICES!

RAFFLES! PRIZES!

FOOD ON SALE!

MONSTER SANTA MARIA STYLE BBQ ON
SATURDAY NIGHT ONLY \$8.00 FOR
ADULTS, \$4.00 FOR KIDS 12 AND UNDER.
Free Parking – Free Admission!

Orcutt Mineral Society
P.O. Box 106
Santa Maria, CA 93456

ADDRESS CORRECTION REQUESTED