



Ore-Cutts

Volume XXXIX, Issue III

March, 2004

Fluorescing the West

By Dick Shields, Member, OMS and FMS

At last! New Year's Day we found the time to meet with Bill Gardner and Ed Davis for an extended weekend at their fluorescent claims near Wickenburg, AZ. With Bill's powerful new UV lamps, we were seeing their world in a whole new light. Bill's and Ed's enthusiasm for collecting is infectious, and despite mechanical setbacks that only Murphy can explain, we had a thrilling experience.

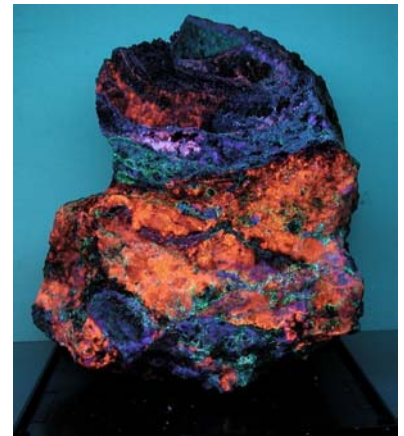


Bill and Ed assisted by Angus and Violet surveying the Hogan Claim

Let's begin with the "road" in...over 2 way radios, Bill asked me if I'd ever driven in snow? That's a fair question to ask a Californian. Something told me I had to be cautious about departing from the track up the sandy wash. Luckily there were no really soft spots, and we arrived at the Hogan Claim by late afternoon. Fluorescent collecting is best after dark, but it was nice to get a lay of the land before sunset.

The Hogan Claim is on the shoulder of a steep hill, which forced us to use 4 wheel traction to haul the lumber the last few hundred feet. Bill and Ed had widened the opening a few years ago with a rented tractor (THAT must have been a sight) and were now putting a "lid" on the opening. Bess and I spent our time collecting calcite pieces that fluoresce bright orange laced with hydrozincite, fluorite, willemite, caliche, and aragonite. Galena is abundant there, too. Some Hogan material has 4 or 5 distinct colors with more patches of unknowns, as you can see in this image.

Some events in our lives are stunningly memorable. Seeing the fluorescent reaction of the boulder pile at Purple Passion is one. We powered up the



60 watt short wave lamp on the end of a 100' extension cord and spent an hour just oogling. Every piece had its own character and promise.

The next morning we returned to finish the roof for the Hogan Claim and collect material at Purple Passion. Bess and I used our viewing box, hooked the lamps into our Sequoia's handy tailgate power plug, and selected candidates for spheres and display. We've tried the black-plastic-over-your-heads method, but the heat build-up becomes extreme in a hurry, even on a winter's day. Needless to say, the

Sequoia was packed to the gills, and we didn't have any traction problems in the wash "road" as we left...



Ed and Bill harvesting an unusual crystal mass on Purple Passion's east wall

Bill and Ed welcome visitors to the mines, and frequently host tours. Among our club members, I am aware that DeeDee Magri and Robert Bullock have also made the trek. Bill charges between \$3 and \$6 per pound, depending on the source and number of colors showing on the specimen.

Fluorescing gives a new dimension to ordinary things, and can reveal hidden relationships that can't be seen in normal white light. Last year we described the basics of fluorescing in our *Ore-cutts* April issue, how UV light stimulates the molecules in rocks to react, so that we see colors that are otherwise hidden by "white" light. A popular descriptive term for (long wave) ultraviolet light is "black light," but there's far more to see of the world than only long wave. Short wave light excites over 90% of fluorescent specimens. The most common question people ask UV lamp dealers is, "should I buy short wave, long wave, or both?" For the average collector, we always recommend (at least) the short wave lamp, but for convenience, we recommend the "dual" lamps.

Warnings about UV light effects should be a reason for caution, but not for fear. **It is possible to sunburn your eyes through lengthy exposure to short wave UV rays.** A short superficial look will have no effect. UV

rays are invisible, so you won't see them or feel them during exposure. Your best protection is common sense and to use eye protection if you will be exposed to direct light (even from the side) for a long period (hours). Researchers have found that certain wave lengths of UV light have effects on the human body, some beneficial and some harmful. The mid-range UV (about 300 nm), which is present in sunlight, tans or burns skin. Modest exposure assists the body in absorbing vitamin D.

Bess relates an experience with sunburned eyes from a Girl Scouting workshop in the Wasatch Mountains. Even though she was wearing sun glasses, after a day of hiking on a rocky dome at high altitude, she experienced extreme seeping, pain, and a feeling like sand was in her eyes. It took a month for her eyes to return to normal. Because she was at high altitude, some of the short wave UV must have reached her. At lower elevations, it's completely absorbed by the earth's atmosphere.

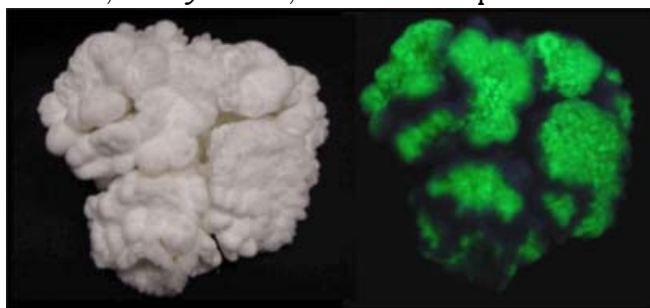


Daylight view of a boulder pile at Purple Passion Mine: just imagine all of this glowing orange, scarlet and blue!

We have some suggestions for UV collectors. Keep a thorough record of where you collected your materials. Some rocks look like they will be great fluorescers, and turn out to be duds. Other unassuming stones, the "Plain Janes" of the rock world, turn out to be screamers. When we visited Clear Creek last fall, the last rock off the road berm thrown in as

an afterthought was the best fluorescer of the day. We've found that they all look the same when you get home to sort. Plastic bags work well to hold a rock and label, but can stop SW light.

We've had great luck collecting fluorescent materials from old collections contain specimens no longer available. An example of this is Napa Opal. You may also locate classic examples like this cauliflower aragonite from Santa Eulalia Mining District in Chihuahua, Mexico. It has a haunting cloudy look. Thanks, Harry Kuffel, for this fine specimen!



Cauliflower aragonite in white light and short wave

Come enjoy the March General Meeting talk and exhibit about some of our recent additions and classic specimens. Eye protection will be available. Recommended reading:

Fluorescence: Gems and Minerals Under Ultraviolet Light by Manuel Robbins, Geoscience Press, Inc., Phoenix AZ, 1994.

Ultraviolet Light and Fluorescent Minerals by Thomas Warren, et al., Thomas S. Warren, Publisher, 1995.

The Story of Fluorescence by Harry Wain, published by Raytech Equipment Co., Middlefield CT, 1965.

The Henkel Glossary of Fluorescent Minerals, Journal of the Fluorescent Mineral Society, Special Issue, Volume 15, 1988-89.

Orcutt Mineral Society

Board Meeting
Mussell Senior Center, Santa Maria CA
3 February, 2004

Call to Order at 7:00 p.m. by President Deborah Hood. Board members present were Sharon Duncan, Bill Hood, Debbie Hood, Wes Lingerfelt, Marshall Reeves, Geary Sheffer, Bess

Shields, Lucky Virgin, and Wayne Mills, Immediate Past President.

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

Minutes of the previous Board Meeting were approved as amended.

Correspondence:

- *Tule Smoke Signals* newsletter from Tule Gem & Mineral Club.
- *Lapidarian* newsletter from Santa Cruz Mineral & Gem Club.
- *Metal Stone & Glass* magazine, volume 26.
- Verda Fletcher letter asking for donations.
- Reno Gem & Mineral show announcement.
- *Lapidary Journal* request for OMS information.
- Show flyer for Tucson Show 2004.
- Letter from Richard and Karen Dry in Florida.
- US Dept. Of Interior BLM "Notification of Proposed Actions on Public Lands Designated Part of the National Wilderness Preservation System".

Committee Reports:

Bulletin (Ore-Cutts): Bess Shields reported that the bulletin was mailed and emailed yesterday. She reports positive comments on the Geode Kid article and on Ralph's Adventure.

CFMS: Wes Lingerfelt introduced a letter from BLM of proposed actions, and will address this issue at the General Meeting next week since it affects everyone. Wes has the Mariposa Show information and competition forms.

Education: Wayne Mills' talk to the students from Hong Kong went well.

Refreshments: Debbie Hood will circulate a new refreshment list at the General Meeting since the original sign-up sheet can't be found.

Show: Wes Lingerfelt reports that dealer fees are already arriving.

Sunshine: Debbie Hood reported that Frank Sausa is doing well. The Board unanimously approved a \$100 donation in John Mock's memory to the CFMS Endowment Fund from OMS.

Old / unfinished business: none.

New business:

1. A membership application was received from Leah Gundy, and her membership was unanimously approved.
2. Debbie Hood reported that the first gathering of the Beading Special Interest Group will meet at DeeDee Magri's home on February 12th from 6:30 to 9:30 p.m..
3. Wes Lingerfelt located a book in Quartzsite that he feels would benefit our members, and should be added to the OMS Library. It was unanimously passed that the book be purchased for \$40, and added to the Library.
4. Debbie Hood knows of a free kiln and fixtures that are available. Any OMS member who is interested should contact Debbie about adopting the items.
5. Sharon Duncan is soliciting help for assembly of the OMS Scrap Book. She will ask for project volunteers at the meeting next week.

Ralph Bishop will present the February 2004 OMS General Meeting program. It will be on "Fascinating Fossils", followed

by a video presented by Marshall Reeves on "Safe Highway Cleanup". The refreshments will be cake and cupcakes.

Meeting was adjourned at 7:55 p.m. by President Hood.

Respectfully submitted,
Bess Shields
Secretary, OMS

Orcutt Mineral Society

General Meeting
Atkinson Center, Santa Maria CA
10 February, 2004

Call to Order at 7:01 p.m. by President Deborah Hood.
Invocation was given by Bess Shields on "Good Deeds". Flag Salute was led by Bob Bullock.

Sharon Duncan reported that 19 members, and 2 guests were present. Guests were Mike and Margaret Henson.

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

Minutes of the previous Board Meeting were approved as read.

Committee Reports:

Breakfast: Ken Kreh reported that 11 members attended the January Breakfast.

Bulletin (Ore-Cutts): Bess Shields asked members to turn in new e-mail or mailing addresses at the break.

CFMS: Wes Lingerfelt informed us about the BLM Proposed Actions to close various areas. Wes has Mariposa Show applications for displaying in competition.

Field Trips, Safety: Dick Shields reported that the next field trip will be to Jade Cove on 21 February. We will leave Mussel Sr. Center at 8:30 a.m.

Historian: Sharon Duncan is seeking volunteers to work on our history books.

Library, Books, Videos: Wes Lingerfelt bought a book, American Dinosaur, in Quartzsite that is an excellent overview of lapidary and fossil treatments. It can be checked out from the OMS library.

Membership: Wayne Mills announced that Leah Gundy is our newest member.

Property: Geary Sheffer reminded members that we will hold annual locker cleanup in April. Information will appear in the Bulletin.

Raffle: Marshall Reeves reminded members to buy tickets during the break.

Red Book: Wes Lingerfelt is putting the finishing touches on the Red Book.

Refreshments: Debbie Hood is passing around a new sign up list. Cakes and cupcakes were brought by DeeDee Magri, Christine Clason, Wayne Mills, Elaine Von Achen, and Sharon Duncan for tonight's meeting.

Show: Debbie Hood reminded members to start making treasure chest items, sort your garage for country store donations, and begin potting up little plants to sell at the Gem Show.

Sunshine: Helen Smith's knees and back are uncomfortable. Frank Sousa is doing much better, and is cooking again. Kay Vollmer is well. John Mock's memorial service will be on Sunday, February 15th (see the invitation on the front table).

Correspondence:

(Show fliers, exchange bulletins, and notices announced under correspondence are at the front table following the business portion of the meeting, and during refreshment time, for members to view.)

- *Tule Smoke Signals* newsletter from Tule Gem & Mineral Club.
- *Dinny's Doins* newsletter.
- Sun Valley Indian School update.
- *Rocky Review* newsletter from Conejo Gem & Mineral Club.
- *Rockonteur* newsletter from Santa Lucia Rockhounds Club.
- *Pick & Shovel* newsletter from San Geronio Mineral & Gem Club.
- *Tumble Rumble* from Capistrano Valley Rock & Mineral Club.
- *Metal Stone & Glass* magazine, volume 26.
- *Rockhound Notes* newsletter.
- John Mock's Memorial Service invitation.
- Roseville Rock Rollers show invitation.

Old / unfinished business:

Debbie Hood announced meeting dates for Special Interest Groups:

Wire Wrap meets monthly with the first on 19 February from 6:30 to 9:30 p.m. at Elaine VonAchen's home.

Beading meets monthly with the first on 12 February from 6:30 to 9:30 p.m. at DeeDee Magri's home.

Wes Lingerfelt asked for additional Community Outreach volunteers. Ken Kreh will begin serving on the Rock Talks team.

Debbie Hood announced a glass beadmaking class at "Rainbow Beads". Classes are popular, so early signup is recommended.

Debbie Hood knows of a large jeweler's kiln which is available to a club member. Contact Debbie for more information.

New business:

Wayne Mills announced that the March general meeting will be held at the Atkinson Center.

Following the break for refreshments, Ralph Bishop presented a talk on "Fascinating Fossils".

Meeting was adjourned at 8:57 p.m. by President Hood.

Respectfully submitted,
Bess Shields, Secretary, OMS

Special Interest Groups

Beading Classes are being held on the second and fourth Thursday of each month at DeeDee Magri's home. Debbie Hood, Elaine VonAchen and DeeDee Magri finished their first creations already, and will share them at the next OMS meeting. For further information, please call DeeDee at 595-2755.

Wire Wrap Classes are being held on the third Thursday of each month at Elaine Von Achen's home. The first meeting was on February 19th, and was attended by Marshall Reeves, Stan Fergu-

son, Ken Kreh, Debbie Hood, and Elaine VonAchen. They reviewed resources, materials and tools. They will start working on projects at the next meeting. For further information, please call Elaine at 929-1488.

VENTURA GEM & MINERAL SOCIETY SHOW

The Ventura Gem & Mineral Society, Inc., is holding their 42nd annual show March 6-7, 2004 (10:00 AM-5:00 PM, Sat.; 10:00 AM-4:00 PM, Sun.) at the Ventura County Fairgrounds in Ventura, CA (10 W. Harbor Blvd). The show is free. Kids will enjoy a "petting zoo" of dinosaur bones and casts, grab bags, and a variety of kids' activities. There will be demonstrations of lapidary arts and exhibits from wonderful private collections of rocks, minerals, fossils and lapidary work. Donation award prizes and a silent rock auction will be held continuously throughout the show. Approximately 15 dealers in fossils, minerals, lapidary equipment, slabs, etc., will be on hand, along with a country store featuring flea market items, used books and magazines, and plants. For further information (or to enter a display), contact Jim Brace-Thompson, show chair, at (805) 659-3577, email jbrace@adelphia.net. See our web site at www.vgms.org.

The Wanderer - Tucson Show

If you've never experienced the Tucson Gem & Mineral Show, it's a treat awaiting you. Dick and I spent two entire days wandering around the Inn Suites talking to fluorescent dealers, and didn't come close to seeing everything. Too many vendors, too little time... Even if we had a full month to spend at the Show, I'm sure we still wouldn't see everything! It's a huge ROCK festival!

There were no dog or wallet friendly hotel rooms available in Tucson, so we drove down from Phoenix each day to visit the show. We took Bill Gardner and his son, Billy, with us on Sunday to see some of Bill's favorite dealers. It helped having a local, long-time rockhound along to open new doors, and help us make new friends in the fluorescent field.

We met Darryl MacFarlane, a miner from Canada, who sold fluorescent materials. I sat on the floor high-grading for an hour, coming away with 170 pounds of sphereable and slabable fluorescent rock.

Next we located an Australian with museum quality specimens, some of which fluoresced. His halite and exotic crystals were perfect specimens.

His stories about down-under collecting site adventures kept us entertained for an hour.



Nestor and Dick with examples of intersecting pyrite cubes from the Navajun Mine in Spain

We found the gentleman, Nestor Ogalde, who mines the perfect cubic pyrite crystals in Spain, and bought a number of beautiful specimens. He explained how the crystals were carefully dug out, and immediately wrapped to protect them.



A prize specimen of the pyrite crystals from Navajun Mine

We tracked down the vendor who was selling quantity specimen boxes, folding magnifying glasses, perky boxes, and Riker mounts. He was more than happy to lighten our wallets.

We brought back a number of show catalogues for OMS friends to share and pass around. I found a number of excellent silver projects in the catalogue that I want to try this year.

On Saturday night we fluoresced Bill Gardner's backyard. He had fluorescent rocks that were every color of the rainbow, and mounds of rock that resembled a glowing pile of embers.

Tucson next year? You're on! Worth going! You Bet!

Happy Hunting,
Love, Bess

KNOW YOUR ROCKS

Leaverite - Also known as Dropite, Junkite, and Crudite. This type of rock should be discarded immediately. It constitutes 90% of all rocks. This includes Sourgrape Agate and Mutilated Quartz.

Sack Rock - This is material that is stuffed into a sack but falls from the top as the bearer struggles back to the car. If taken home, it will be tossed into a corner and forgotten.

Wonder Rock - You always wonder where you found it. (note above in the fluorescent article; it's especially frustrating when that one is the best fluorescer!) Can also make you wonder why you brought it home at all!

Braggin' Rock - Also called Pocket or Eating Rock. This material is licked, rubbed, spit upon, or fondled until it assumes a near polish and is frequently passed around for admiration.

@#%*&!! Rock - A large, heavy, possibly angular rock that falls on your foot as soon as you have removed your hiking boots.

(via *Chips & Blue Agate* Newsletter)

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, minerals, 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.



OMS 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.

2004 OMS Elected Officers

President	Debbie Hood	(805) 481-6860
President Elect	Lucky Virgin	(805) 929-9525
Secretary	Bess Shields	(805) 937-0357
Treasurer	Wes Lingerfelt	(805) 929-3788
Immediate Past President	Wayne Mills	(805) 481-3495
CFMS Representative	Wes Lingerfelt	(805) 929-3788

2004 OMS Board Members

Geary Sheffer	(805) 925-8009
Sylvia Nasholm	(805) 481-0923
Bill Hood	(805) 481-6860
Sharon Duncan	(805) 929-2209
Marshall Reeves	(805) 588-8932

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

You only need 2 tools: WD-40 and duct tape. If it doesn't move and it should, use the WD-40. If it moves and it shouldn't, use the duct tape.

Check our OMS web site at <http://omsinc.org> or send email to oms@ix.netcom.com.

TOTAL IMMERSION GEOLOGISTS

Total immersion geologists: Are you totally obsessed with geology? If so, then you are a total immersion geologist. Here are the ten warning signs:

1. You judge a restaurant by the type of decorative building stone they use rather than their food.
2. You manage to turn any conversation into a discussion of geology, as in: "What did you think of that Superbowl game last night?" "I must have missed that conference. Who sponsored it? Geological Society of America?"
3. The only thing you notice about attractive members of the opposite sex is the stone in their jewelry.
4. You refuse to let nightfall stop your field excursions and continue looking at the outcrops using the headlights of your field vehicle (or, better yet, you continue hunting with your UV light!).
5. You like rock music only because it's called "rock" music.
6. You will try to claw through the water flowing in a stream to get a better look at the bedrock at the base of the channel.
7. You will walk across eight lanes of freeway traffic to see if the outcrop on the other side of the highway is the same type of rock as the side you're parked on.
8. You name your children after rocks and minerals.
9. You're not sure if you have children.
10. You view non-geologists as subhuman.

Web Sites of Note:

March 2004

Bill Gardner's Web Page

<http://www.fluorescents.com>

Fluorescent Mineral Society

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

The Thomas S. Warren Museum of Fluorescence

<http://www.sterlinghill.org/warren/>

Ventura Gem and Mineral Society Show

<http://www.vgms.org>

California Federation of Mineralogical Societies:

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

American Federation of Mineralogical Societies:

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

March 2004 Calendar

Tuesday March 2, 2004 7:00 PM - 8:30 PM	OMS Board Meeting -- Atkinson Community Center, 1000 N. Railroad All members are welcome at this business meeting
Tuesday March 9, 2004 7:00 PM - 9:00 PM	OMS General Meeting -- Atkinson Community Center, 1000 N. Railroad. <ul style="list-style-type: none"> • Program: Dick Shields on "Fluorescence Made Easy" • Display: Agates and Calcites • Refreshment: Pie
Saturday March 13, 2004 8:00 AM - 5:00 PM	Field trip to Carrizo Plains -- Meet at Mussell Senior Center Parking Lot. Trace the San Andreas Fault from Highway 166 north through the Carrizo Plains to Soda Lake. If we are lucky, we'll hit the highlights of wildflower bloom. Bring lunch and water. Short hikes possible. Call Dick Shields at 937-0357 for details.
Saturday March 20, 2004 8:00 AM - 10:00 AM	OMS Highway Cleanup -- Intersection of Hwy 101 and Hwy 166. After the cleanup we have coffee and pastry at "Omelets and More" in Nipomo. Contact Marshall Reeves at 588-8932 for details.
Saturday March 27, 2004 8:15 AM - 9:15 AM	Monthly OMS Breakfast -- Girl's Restaurant, Arroyo Grande. Breakfast location alternates between Baker's Square in Santa Maria and The Girl's in Arroyo Grande. Call Ken Kreh at 343-7749 for details.

April 2004 Calendar

Saturday April 3, 2004 8:00 AM - 5:00 PM	Field Trip to Figueroa Mountain -- Meet at Mussell Senior Center Parking Lot. Explore old jasper trails, serpentine outcroppings, and wildflowers in full bloom. Fill your gas tank (no services on the mountain) and bring a lunch. Wilderness Pass required. Call Dick Shields at 937-0357 for details
Tuesday April 6, 2004 7:00 PM - 8:30 PM	OMS Board Meeting -- Mussell Senior Center. All members are welcome at this business meeting.
Tuesday April 13, 2004 7:00 PM - 9:00 PM	OMS General Meeting -- Mussell Senior Center. <ul style="list-style-type: none"> • Program: Rock ID Seminar. Bring your mystery rocks. • Display: Mystery Rocks • Refreshment: Cookies
Saturday April 17, 2004 9:00 - 11:00 AM	OMS Locker Cleanup -- Meet at Fortress Lockers at 2175 Willow Road, AG (on Nipomo Mesa west of the intersection of Willow Road and Hwy 1). Call Geary Sheffer at 925-8009 for details.

Saturday April 24, 2004 8:15 AM - 9:15 AM	OMS Monthly Breakfast -- Baker's Square, Santa Maria Breakfast location alternates between Baker's Square in Santa Maria and The Girl's in Arroyo Grande. Call Ken Kreh at 343-7749 for details.
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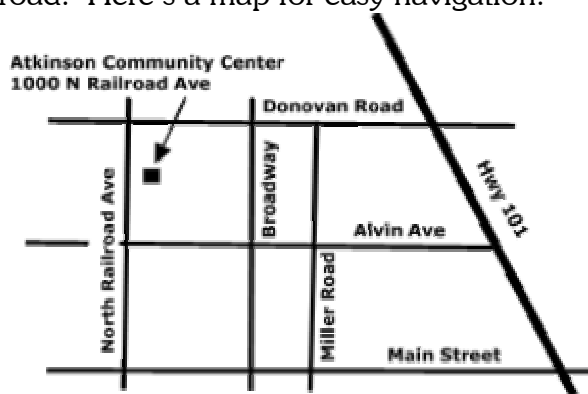
8:15 AM - 9:15 AM	Breakfast location alternates between Baker's Square in Santa Maria and The Girl's in Arroyo Grande. Call Ken Kreh at 343-7749 for details.
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DUES ARE DUE

If you have not already paid your 2004 Orcutt Mineral Society dues, please mail them to Wes Lin-gelfelt, OMS Treasurer, PO Box 106, Santa Maria CA 93454, or give him a check in exchange for your new membership card at the March General Meeting.

IMPORTANT NOTICE

The March 9th General Meeting is NOT at Mus-sell Senior Center, and is scheduled to meet at Atkinson Community Center, 1000 North Rail-road. Here's a map for easy navigation:



May 2004 Calendar	
Tuesday May 4, 2004 7:00 PM - 8:30 PM	OMS Board Meeting -- Mussell Senior Center. All members are welcome at this business meeting.
Saturday May 8, 2004 8:00 AM - 5:00 PM	Field Trip to Big Sandy -- Meet at Mussell Senior Center Parking Lot Enjoy a warm spring day collecting in Salty and Kelly Tapper's back yard near the San Andreas Fault. Bring lunch and a good eye for jasper and fossils. Easy access to an excellent collecting area. Call Dick Shields at 937-0357 for details
Tuesday May 11, 2004 7:00 PM - 9:00 PM	OMS General Meeting -- Mussell Senior Center <ul style="list-style-type: none"> • Program: "Starting to Wire Wrap" by Debbie Hood • Display: Awesome Rocks • Refreshment: Cake and Cupcakes
Saturday May 15, 2004 8:00 AM - 10:00 AM	OMS Highway Cleanup -- Inter-section of Hwy 101 and Hwy 166. After the cleanup we have coffee and pastry at "Omelets and More" in Nipomo. Contact Marshall Reeves at 588-8932 for details.
Saturday May 28, 2004	Monthly OMS Breakfast -- Girl's Restaurant, Arroyo Grande

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

ADDRESS CORRECTION REQUESTED