

# Ore-Cutts

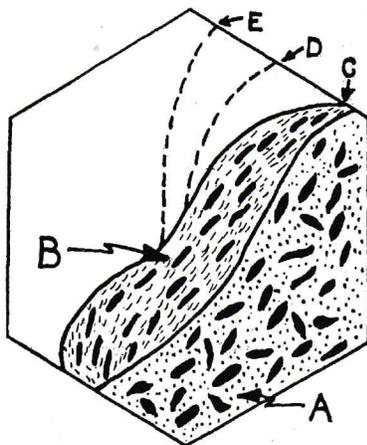
## The Theory of Tumbling

An understanding of the theory behind a Process is always an aid to its practical application. This article will tell you "how" and "why" a tumbler works.

Because we have added so many thousands of new readers since it first appeared in G & M, April '53, we reprint it here in the interests of complete coverage of the tumbling process. Because of the interest in lapidary tumbling, some notes on the mechanics of the process may be of help to the lapidary. The method has been used in industry for many years in cleaning, deburring, and polishing metal, plastic, ceramic, and other materials. The following information has been learned, for the most part, from trade journals, catalogs, and technical literature. Some of it is from the author's personal experience.

The speed of rotation of the drum is "all important" in the rapid working of the material in the drum. Surprising enough, there is just one speed at which the drum and its charge will work most efficiently. Faster or slower than this speed will increase the time necessary to finish the charge. The reason for this is easy to understand when we know the processes at work in either grinding or polishing in a tumbling drum. The mechanism is not one of tumbling, in spite of the name. All, or at least 90%, of the work is done by a sliding motion of the contents of the drum.

**How Speed Effects Tumbling** — The rotary speed of the drum for maximum effect is that which causes a maximum of sliding effect. Let us assume that we are using a hexagonal drum. The diagram shows the effect of different speeds of rotation.



### LEGEND

- A - Nearly stationary material.
- B - Sliding layer where grinding and polishing takes place.
- C - Point of start of sliding at 15 r.p.m.
- D - Start of sliding at 25 r.p.m.
- E - Start of sliding at 35 r.p.m.

(Continued on page 2)

(Continued from page 1)

The material at "A" is doing little or nothing except climb the side of the barrel. At point "C" it begins to slide on its return to the bottom of the barrel and 90% of the grinding and polishing takes place in this area, "B." As the speed is increased from 15 r.p.m. to 25 r.p.m., the start of the slide point moves to "D" but the total amount of the material contained in the sliding mass is less. If one has an open-end drum and can watch the work as it moves in the barrel, these effects are readily apparent.

As the speed is further increased to 35 r.p.m., the sliding mass almost disappears and the material rolls or tumbles to the bottom of the barrel. When this happens grinding and polishing ceases for all practical purposes. All of these effects are easily proven experimentally and anyone with a tumbling barrel can verify them for himself.

**Establish the Best Speed**

The speeds given are for illustration only and will vary with each individual case. Experiment with your drum until you find the right speed to give the maximum thickness of the sliding layers and consequently the maximum cutting effect. One manufacturer states that with a 30" diameter barrel operating at 20 r.p.m., the sliding layer is three inches thick. I think that from the above and by reference to the drawing, it is plain to see that the maximum cutting rate will be obtained with a drum that is approximately half full. More or less material, or "charge," will decrease, not only the number of pieces finished, but also will cut down on the cutting speed by decreasing the thickness of the sliding layer.

Many users of barrel polishing use only abrasive and water in addition to the pieces being ground or polished. However, some have found that the addition of such materials as sawdust, ashes, paper packing material, confetti, fiberboard, walnut shell meal, etc., are a great help, especially in the final or fine grinding and polishing.

From "Gems & Minerals," January 1955, pp 12, 71."

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Dick and Bess



**Interesting Places on the Internet???**

*Take a tour of the internet on subjects that may interest other members. E-mail the address to me and I will publish it here for others to check out!*

*Send to... [Greeves55@hotmail.com](mailto:Greeves55@hotmail.com)*

*— Glenda Reeves, Editor*



## ODE TO MY WIFE

R. E. FRISON  
Newcastle, Wyoming

*THE MINERALOGIST, JUNE 1940*

**I'm dejected, sad and gloomy,  
I'm a rock hound in distress,  
I'm a rock hound in trouble,  
I'm an outcast more or less.**

**I have fossils in the kitchen,  
I have minerals in the hall,  
I have crystals in the bathtub,  
I have relics on the wall.**

**I have tin oxide on carpets,  
I have oil upon the floor,  
I have black light in the parlor,  
I have bones behind each door.**

**Wifey thinks I am goofy-  
I don't know, she may be right.  
She insists I have silicosis  
Or some form of -ite.**

**Says my head is lined with  
agate,  
A freak pseudo of the bone.  
Says my brain is just a nodule,  
My heart has turned to stone.**

**Are you rated as a fossil?  
Are you obliged to live alone?  
How do you enjoy your hobby  
And still have a happy home?**

## ORCUTT MINERAL SOCIETY

### 35th Annual Gem Show

*This year the Annual Rainbow of Gems Show is located at St Joseph's Church, 298 South Thompson Avenue, Nipomo, CA - - on August 9th - 11th 2002.*

*Our "show," besides being a gathering of friends and neighbors, is also "a Rockhound Gathering." Many titles have been suggested for this event, but this one better defines the FANSLY oriented event. So, this is the name we have given our gathering of rockhounds wanting to sell and trade their goods, visit with old friends, and eat some good Bar-B-Q\*\* on Saturday Night! They come in trucks, tents, trailers, and by foot, setting up their wares on tables, some in boxes, some in glass cases, displaying their jewelry, mineral specimens, rough rock, rock slabs, petrified wood, etc. At least 75% of the material shown must be lapidary related, leaving room for some of the gardeners, jams and jelly makers, and other creative people to participate.*

**\*\*It's the BEST Bar-B-Q on the Central Coast! Don't miss it!\*\***

**\*Sponsored by Orcutt Mineral Society of Santa Maria Valley, Inc., a public benefit, non-profit corporation founded in 1958**

**For additional information  
call 805-929-3788**

Board Meeting  
Mussell Senior Center, Santa Maria CA  
January 8, 2002

The Board Meeting was called to order by President Dick Shields at 6:05 p.m. Board Members present were Bill and Deborah Hood, Wes Lingerfelt, Marshall Reeves, Wayne Mills, Dick and Bess Shields. (The regular Board Meeting on January 1<sup>st</sup> was rescheduled for January 8<sup>th</sup> at 6:00 p.m.)

Minutes of the December 4<sup>th</sup> Board Meeting were read by Wayne Mills, the former Board Secretary, and approved as amended.

Treasurer The Treasurer's Report was approved as read. Wes Lingerfelt reports that we have 56 members.

**Committee Reports:**

A group was formed to analyze committees and their functions in an effort to streamline the use of available members. Don Nasholm, Wes Lingerfelt and Dick Shields will present the report at the next Board Meeting.

Marshall reported that Highway Cleanup will be on January 19<sup>th</sup> from 8:00 to 9:30 a.m.

**Correspondence:**

- OMS received a facility permit from the Parks Department which must be signed by the President and returned immediately in order to assure our reservations for the Board and General OMS Meetings in 2002. Bess Shields will walk the paperwork through the proper channels.
- Salvation Army sent a solicitation letter.
- Notice of Show: California State Mining and Mineral Museum Association, announces the Mariposa Mineral and Gem Show on April 20 and 21 in Mariposa CA. Contact Mova Verde (209) 724-7625.
- Collectology Ltd. brochure on specimens available for purchase.
- Notice of Show: Arizona Mineral and Fossil Show on February 3-16. Contact Martin Zinn Expositions, LLC. Email: mz0955@aol.com.
- Sun Valley Indian School sent a thank you note for our donation and a newsletter of their activities.

**Old / unfinished business:**

- The OMS Gem Show application for dealers is ready to be mailed out.  
Hancock College has not yet been contacted about housing our club lapidary equipment. Members are asked to find alternate sites, such as Mussell Senior Center, and discuss this information at the next Board Meeting.
- Christmas Dinner at Maria del Sol was a resounding success. Reservations will be made for the Annual OMS Meeting in December 2002 at Maria del Sol.

**New business:**

- Discussion about an increase of dues in 2003 was brought before the Board. It is suggested that the dues for members be increased to \$20 for adults, and \$10 for youth. More action will be taken later on this suggestion.
- Wes Lingerfelt paid CFMS for Orcutt Mineral Society dues in the amount of \$252.

Program for the meeting tonight at 7:00 p.m. has been changed due to a death in the speaker's family. The program will be "Favorite Collecting Locations", and will be an open discussion following presentations by Wes Lingerfelt, Ed Bradley, and Wayne Mills.

A reminder: the Board Meeting on February 5 will be at Mussell Senior Center, but the General Meeting will be at Atkinson Community Center, 1000 North Railroad, Santa Maria. The Parks Department stated that Mussell Senior Center was not available due to a large event taking place which required use of the whole senior center facility.

The Board Meeting was adjourned at 6:41 p.m. by President Shields.

Respectfully submitted,  
Bess Shields  
Secretary, OMS

Orcutt Mineral Society  
General Meeting  
Mussell Senior Center, Santa Maria CA  
January 8, 2002

Call to Order at 7:10 p.m. by President Dick Shields.  
Invocation was given by Bess Shields on 'Stewards of Time'.  
Flag Salute was led by Lisa Dabbs.

Minutes of the December 4 Board Meeting and December 8 Annual Meeting were read by Wayne Mills (as past Board Secretary).  
Board minutes were approved as read. Annual Meeting minutes were approved as corrected.

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

Committee Reports:

- Sheriff Report was given by Wes Lingerfelt who reported that we have 22 members and 3 guests at the meeting.
- Refreshments were provided by the Board (four dozen assorted donuts!).
- Field Trips: Wayne Mills reminded us to see the Ore-cutt for the trip to Wiley Wells. The Jalama trip is moved to 16 March. Remember the Mariposa Show in April.
- CFMS: Wes Lingerfelt encourages everyone to attend the July 12-14 "Treasures of the Sierra Nevada" Show in Placerville.
- Show preparations: Wes Lingerfelt gave an overview on how we put on our summertime Gem Show, and encourages participation from newcomers.
- Annual Meeting: Bill Hood gave a report on the successful Annual Meeting at Maria del Sol. He will make the reservations for December 2002 Annual Meeting at Maria del Sol.
- Scholarship: Wayne Mills announced that OMS will give two scholarships for \$400 each to Cuesta College and Hancock College.
- Education Committee: Wes Lingerfelt announced that Rock Talks are being given by Wayne Mills, Ralph Bishop, Bess Shields, and himself in classrooms and to Scout troops. Other members are encouraged to join the speaker ranks.
- Library: Bess Shields reminded members that WE own a collection of videotapes and books which can be checked out at meetings or picked up at her residence.
- Highway Cleanup: Marshall Reeves announced the next cleanup for January 19 from 8:00 to 9:30 a.m.
- Raffle: Marshall Reeves purchased more items at Quartzite for our meeting raffles.

Correspondence:

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

- OMS received a facility permit from the Parks Department which must be signed by the President and returned immediately in order to assure our reservations for the Board and General OMS Meetings. Bess Shields will walk the paperwork through the proper channels.
- Salvation Army sent a solicitation letter.
- Notice of Show: California State Mining and Mineral Museum Association announces the Mariposa Mineral and Gem Show on April 20 and 21 in Mariposa CA. Contact Mova Verde (209) 724-7625.
- Collectology Ltd. brochure on specimens they have available for sale.
- Notice of Show: Arizona Mineral and Fossil Show on February 3-16. Contact Martin Zinn Expositions, LLC. Email: mz0955@aol.com.
- Sun Valley Indian School sent a thank you note for our donation, and a newsletter of their activities.

Old / unfinished business:

- Wes Lingerfelt has already paid the Orcutt Mineral Society dues of \$252.00 to CFMS for 2002.
- A phone recall will be established by the Board to alert members of meeting time, place or date changes.
- \*\*\*The General Meeting in February will be held at Atkinson Community Center (1000 North Railroad) instead of Mussell Senior Center. The Parks Department needs the entire Mussell Senior Center facility for a large event, and the February OMS meeting was relocated to the Atkinson facility.

New business: Wes Lingerfelt announced that Vic Jonas became the newest Life Member of OMS tonight.

Following the break for refreshments, Wayne Mills presented the program, "Favorite Collecting Locations". Wes Lingerfelt and Ed Bradley also presented part of their collection, and discussed the collection sites.

The raffle was held after the program. Meeting was adjourned at 9:00 p.m. by President Shields.

Respectfully submitted,  
Bess Shields  
Secretary, OMS Orcutt Mineral Society

Orcutt Mineral Society  
Board Meeting  
Mussell Senior Center, Santa Maria CA  
February 5, 2002

The Board Meeting was called to order by President Dick Shields at 7:10 p.m. Board Members present were Bill and Deborah Hood, Wes Lingerfelt, Don and Sylvia Nasholm, Marshall Reeves, Dick and Bess Shields.

Before conducting business, Wes Lingerfelt swore in Board Member, Sylvia Nasholm.

Minutes of the January 8th Board Meeting were approved as amended.

Treasurer: The Treasurer's Report was approved as read. Wes Lingerfelt reports that we have two new life members: Victor Jonas and Helen Smith.

**Committee Reports:**

Wes Lingerfelt described the criteria for ordering bars and pins from CFMS. He has the order form, and will order new items as necessary.

Wes Lingerfelt reported on Gem Show preparations, printing of tickets, layout of outside vendor areas, and committees assembled to meet tasks at hand before the event.

The OMS Redbook is being assembled by Wes Lingerfelt. He still needs a list of current committee chairmen in order to finish the Redbook.

Highway Cleanup and Club Breakfast in January involved 10 people, and was a success. We will continue to combine these two events.

Bill Hood will book the December Annual Meeting and Awards Banquet at Maria del Sol for December 7<sup>th</sup> between noon and 3:30 p.m. Sweet Adelines will be asked to sing. The dinner will be the same menu as this year at a cost of \$12.50 for guests, and \$6.25 for members.

Locker cleanup will be on April 13 from 9:00 to 11:00 a.m. Volunteers are asked to meet at the locker.

**Correspondence:**

- The OMS Library received a donation from Barbara Danati, Ancient Flora.  
A copy of Mineral Messenger was received from the San Luis Obispo Club.
- First Union Bank announcement that they have a speaker's bureau and give talks to local groups.
- Miller Magazine advertisement about program opportunities.
- Lew Helfrich trip announcement via internet message.
- Ginger Dockstader-Schlote letter about items for sale.
- Buena Vista Museum, petrified wood identification seminar.
- Sun Valley Indian School newsletter.
- Rockhound Notes from Roseville CA.
- Santa Barbara Gem Faire announcement.

**Old / unfinished business:**

- Don Nasholm, Wes Lingerfelt and Dick Shields completed the task of Redbook committee assignments.
- Debbie Hood will organize a telephone tree to contact members in the event that future OMS meetings are scheduled for other-than-Mussell-Center locations.
- The February OMS General Meeting will be located at Atkinson Community Center, 1000 Railroad, Santa Maria at 7:00 p.m. If we provide the Parks Department with a list of members' names and telephone numbers, they will contact the members with this change, and will post announcements at Mussell Senior Center on Tuesday, February 12.

**New business:**

- Wes Lingerfelt announced that Quartzite was a bust this year. There was blowing wind, few vendors open, high priced equipment, and lack of shoppers.

Program for the General Meeting next week will be presented by Wayne Mills on "The Joy of Rocks". Members are asked to bring heart shaped rocks and items to share.

The Board Meeting was adjourned at 8:45 p.m. by President Shields.

Respectfully submitted,  
Bess Shields  
Secretary, OMS

Orcutt Mineral Society  
General Meeting  
Atkinson Community Center, Santa Maria CA  
February 12, 2002

Call to Order at 7:10 p.m. by President Dick Shields.  
Invocation was given by Bess Shields on 'You are Wonderful'.  
Flag Salute was led by Gerry Sheffer.

Minutes of the January Board Meeting were approved as read. Minutes of the January General Meeting were approved as read. Minutes of the February Board Meeting were approved as amended.

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

Committee Reports:

- Hospitality: Linda Virgin reported that we have 21 members and 4 guests at the meeting.
- Bulletin: Marshall Reeves reported that the February Ore-cutts has already been mailed out by Glenda.
- Sunshine: Debbie Hood reported that Ione Griggs had a blood clot and is now on blood thinner; Shannon Hoogenbosch had a baby girl on January 6<sup>th</sup>; Fran Bradley recently had hip surgery; and Marjorie Hoogenbosch needs another back surgery.
- Refreshments: Bess Shields thanked Jeannie Lingerfelt, Linda Virgin, Marshall Reeves, the Nasholms and Shields for this month's cakes and cupcakes.
- Field Trips: Wayne Mills reminded members of the Saturday (16 February) trip to Jade Cove, Limekiln, Cape San Martin area. Participants will meet at Halcyon Park-and-ride at 8:30 a.m. Adventure pass is needed for this trip. There will be a Paleo Workshop on 16 February at Buena Vista Museum. The Jalama trip is moved to 16 March. Remember the Mariposa Show in April. Walt Wright's Bakersfield Seminar is on 8-9-10 March. Kramer Junction, Bakersfield trip will be on 10 March. Contact Wayne for more information on any of these trips.
- CFMS: no report.
- Show preparations: Wes Lingerfelt reported that the contracts were sent out to vendors and spaces are almost full. If you plan to display your specimens, sign up for cases now. Advertising needs to be started now for radio, TV, newspapers, and rock magazines.
- Phone Tree: Debbie Hood has set up a Phone Tree. Volunteers are Kay Volmer, Fran Bradley, Bess Shields, Sandy Berthelot, and Marjorie Hoogenbosch.

Correspondence:

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

- Registration form from Buena Vista Museum of Natural History for the Wood Identification Seminar on March 8-9-10.
- A letter from Ginger Dockstader-Schlote about the sale of her late father's jewelry findings.
- Miller Magazine questionnaire concerning Rock Clubs and the lapidary related courses we offer to members and the community.
- Notice of Show: Gem Faire on February 15 at Earl Warren Showgrounds, Santa Barbara.
- Sun Valley Indian School sent a newsletter of their activities.
- February Mineral Messenger from San Luis Obispo Gem and Mineral Club.
- An e-mail about the Boron and Kramer Junction trip set for March 10th.

Old / unfinished business:

- Wes Lingerfelt announced that the Redbook is ready for press. There are a number of people who have still not paid their dues. Redbooks will be handed out at the March meeting.
- Wes Lingerfelt announced that the large saw the club had for sale will be sold by the next meeting.

New business:

- Robert Reith donated a display case to OMS for the show.

Following the break for refreshments, Wayne Mills presented the program, "The Joy of Rocks". This was a technical program on the different types of minerals, heat needed to produce various rocks, weathering as a factor, and how gems were formed.

The raffle was held after the program. Meeting was adjourned at 8:55 p.m. by President Shields.

Respectfully submitted,  
Bess Shields  
Secretary, OMS

Orcutt Mineral Society  
Board Meeting  
Mussell Senior Center, Santa Maria CA  
March 5, 2002

The Board Meeting was called to order by President Dick Shields at 7:05 p.m. Board Members present were Bill and Deborah Hood, Wes Lingerfelt, Wayne Mills, Don and Sylvia Nasholm, Marshall Reeves, Dick and Bess Shields. Guests were Ted and Marjorie Hoogenbosch.

Minutes of the February 5th Board Meeting were approved as read. Minutes of the February 12 General Meeting were approved as read.

Treasurer: The Treasurer's Report was approved as read.

**Committee Reports:**

Wes Lingerfelt reported on Gem Show preparations. Display case trophies will be mini-screwdrivers at a cost of \$2.29 (when ordering 100 or more). Lettering will be engraved as follows: Exhibitor, Rainbow of Gems, Santa Maria CA, August 2002 (on 4 separate lines).

Wayne Mills wants to do a gold panning booth for kids at the Show. Much discussion followed concerning the prize of shark teeth, or small gems in lieu of gold.

Wes Lingerfelt reported that the OMS Redbook is ready to print, and will be distributed at the March General Meeting.

Debbie Hood will submit a list of Telephone Tree callers to Wes for inclusion in the Redbook.

Wayne Mills reported that a scholarship for \$400 to Cuesta College, and a scholarship for \$450 to Hancock College were sent. He expects to receive confirmation of receipt and memo of distribution from each college.

**Correspondence:**

- Beautiful Agates, LLC brochure.
- Metal, Stone and Glass magazine
- International Gem and Jewelry Show in San Mateo CA April 12, 13, 14.
- Antelope Valley Gem and Mineral Show on April 27 and 28 in Lancaster CA.
- Invitation to a Gem Fair and tailgate swapmeet on March 15 in Victorville CA.

**Old / unfinished business:**

The big saw will be delivered by Wes Lingerfelt tomorrow. The club will receive \$1500 for the saw, and Wes will be reimbursed \$200 for the blade he installed in the saw.

- Wayne Mills reported that the Jade Cove trip was a success. Soapstone, jade and jasper were the finds of the day.
- Dick Shields has resolved the problems with our meeting place for the remainder of this year. We had been scheduled away from Mussell Senior Center for two General Meetings in the original plan. After meeting at Atkinson Center in February, it became obvious that two large groups meeting in that facility would be unacceptable. The April General Meeting will be at Mussell Senior Center, but for this meeting only will be located in the Lapidary Room (in the building to the south of the main center).
- A committee was formed to investigate the possibility of setting up a modified Lapidary workroom in our original Lapidary Room site which was dismantled two years ago. Dick Shields, Wes Lingerfelt, and Marshall Reeves will assemble a plan of action.
- The March 16 field trip to Jalama Beach was discussed. Dick Shields printed out a tide chart, and found that it would be high tide during the event. Wayne Mills still wants to make the trip, and invited others to join him. The field trip will follow highway cleanup on Highway 166, and breakfast in Santa Maria for the cleanup crew.

**New business:**

- Wes Lingerfelt was given two vests to sell at \$20 each by Hans and Herta Borm. They will be sold at the General Meeting.
- Two new members were voted in: Meryl Austin and Kyle Pegman.
- Wayne Mills asked for assistance with publicity for the Gem Show. Marjorie Hoogenbosch volunteered her help, and will share her notes on past contacts with local tv, radio, and newspaper personnel.
- Maida Williams sent a sample necklace for us to inspect. She has volunteered to demonstrate necklace/bead stringing during the Gem Show. Demonstration hours will be assigned, and the activity will be under the trees behind the fellowship hall. Any assistance from other members will be appreciated, and interested people should contact Maida.
- Freeway cleanup will be on March 16<sup>th</sup> from 8:00 - 10:00 a.m. on Highway 166. Breakfast will follow for the cleanup crew. (The Jalama trip will start after breakfast).
- Dick Shields is making numerous changes on the OMS web page. Pictures of collections are now being included. Take a look at [http://pw1.netcom.com/~shields6/oms\\_2001.html](http://pw1.netcom.com/~shields6/oms_2001.html).
- Remember the field trip to Kramer Junction on Sunday, 10 March. We will meet at Mussell Sr. Center parking lot at 6:15 a.m. and carpool to the four sites (one is to Lucy Tunnell's rock pile!!!).

Program for the General Meeting next week will be Gem Trees by Paul Patrick. In the event that he can't make it, Wayne will show a video. The Board Meeting was adjourned at 8:35 p.m. by President Shields.

Respectfully submitted,  
Bess Shields  
Secretary, OMS

Orcutt Mineral Society  
General Meeting  
Mussell Senior Center, Santa Maria CA  
March 12, 2002

Call to Order at 7:10 p.m. by President Dick Shields.  
Invocation was given by Bess Shields on 'The Light'.  
Flag Salute was led by Meryl Austin.

Minutes of the March 5 Board Meeting were approved as read.

Treasurer's Report was read by Wayne Mills (in Wes Lingerfelt's absence), and approved as read.

**Committee Reports:**

- Lynda Virgin reported 25 members present and 10 guests.
- Sheriff Report: none.
- Bulletin: Marshall Reeves reported that Glenda needs articles for the Ore-cutt. Bulletins were not mailed out this month, and will be handed out during refreshment break at the front table.
- Redbook: Bess Shields will distribute Redbooks to members at the front table during refreshment time. Each member will receive one, and additional copies will cost \$1.50 each. Contact Wes Lingerfelt for additional copies.
- Sunshine: Debbie Hood reported that Fran Bradley has recovered after surgery, Marjorie Hoogenbosch had back surgery, Kay Vollmer and Helen Smith are doing well.
- Refreshments were provided by Sandy Berthelot, Fran Bradley, Lucky Virgin, and Maida Williams.
- Road Cleanup: Marshall Reeves reminds members that this Saturday (the 16<sup>th</sup>) from 8:30 to 10:00 a.m. will be the Highway 166 cleanup, followed by coffee and donuts for the volunteers.
- Field Trips: Wayne Mills has changed the Jalama field trip back to April 20<sup>th</sup>. The group will meet at Mussell Senior Center at 9:00 a.m. Mariposa Show interest was nil, so Wayne will drive up alone. A La Brea Tar Pit trip with Paso Robles Rock Club is in the planning stages for August or September. Cost for the bus trip will be about \$25 each person, and there are currently 16 OMS members interested. A reminder that the CFMS Show will be on July 12 at Placerville.
- CFMS: no report due to Wes Lingerfelt's absence.
- Show preparations: Dick Shields spoke to Wes Lingerfelt before Wes left for a funeral in Oklahoma. All inside spaces are full, and most outside spaces have been reserved. A prospecting adventure for kids, and a fluorescent display are planned, as well as a California rocks and fossils display.

**Correspondence:**

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

- Breccia, the Rock Club newsletter of San Jose CA.
- Rockhound newsletter from Victor Valley
- Gem and Jewelry Show advertisement for San Mateo CA
- Antelope Valley Gem and Mineral Show on April 27-28 in Lancaster CA.
- Beautiful Agates, LLC brochure.
- Sun Valley Indian School newsletter of their activities.

**Old / unfinished business:**

- Parks Department has done it again, and Mussell Senior Center was double booked. Therefore, we are meeting in the former Lapidary Room this month, as well as in April. Marjorie, the manager of Mussell Senior Center supports us being in Mussell Senior Center, and will coordinate closely with Parks Department to assure that we are not inconvenienced again in the future.

**New business:**

- Two vests have been donated to the club and are for sale. The vests are for sale at a cost of \$20 each.
- Guests are reminded to ask for a copy of this month's Ore-cutt during break.

Following the break for refreshments, the following individuals shared their "Interesting Rocks" with the membership:

- Ralph Bishop: a report on Poppy Jasper from Morgan Hill CA, and efforts to open an area up for mining this beautiful jasper in the near future.
- Ralph Bishop: a report on the Kramer Junction/Mojave field trip two days ago. There were 7 club members, and we collected petrified palm root, chert, agates, Castle Butte jasper, and finished up at Lucy Tunnell's rock pile in Rosamond!!!
- Wayne Mills: a report on the Jade Cove, Limekiln area field trip in February. A news article appears in the March/April Ore-Cutt on this trip.
- Wayne Mills showed us some of his more interesting rocks, and a short history of their orogeny.
- Cameron Dyes: a report on Copper World, near Baker, and his experiences with mining the pit.
- About 5 minutes of videotape on "Gemstones of America" was shown, and Wayne reminded us that the club owns over 100 videos for members to check out, as well as a numerous books.

The raffle was held after the program. Meeting was adjourned at 9:15 p.m. by President Shields.

Respectfully submitted,  
Bess Shields,  
Secretary, OMS

**The Purpose of the Orcutt Mineral Society, Inc.** (OMS) 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, American Federation of Mineralogical Societies.*

2002 Elected Officers in the Orcutt Mineral Society are as follows:

<b>President</b>	Dick Shields	(805) 937-0357
<b>President Elect</b>	Wayne Mills	(805) 481-3495
<b>Secretary</b>	Bess Shields	(805) 937-0357
<b>Treasurer</b>	Wes Lingerfelt	(805) 929-3788
<b>Immediate Past Pres.</b>	Glenda Reeves	(805) 733-2775
<b>CFMS Representative</b>	Wes Lingerfelt	(805) 929-3788
<b>Board Members</b>	Bill Hood	(805) 481-6860
	Debbie Hood	(805) 481-6860
	Don Nasholm	(805) 481-0923
	Sylvia Nasholm	(805) 481-0923
	Marshall Reeves	(805) 937-0357

**Society 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.

**Society Colors:**

Red, White and Blue were chosen in 1963.

**REGULAR MEETINGS** are held on the 2nd Tuesday of each month, 7 p.m. at the Elwin Mussell Center, 510 E Park, Santa Maria, Ca 93456. *Always open to Public!*

**2001 ANNUAL MEMBERSHIP FEES** - Regular..... \$15.00  
 Junior..... \$ 7.50

**BOARD OF DIRECTORS MEETINGS** are held the 1st Tuesday of each month at 7:15 p.m., same location above. *All members are welcome!*

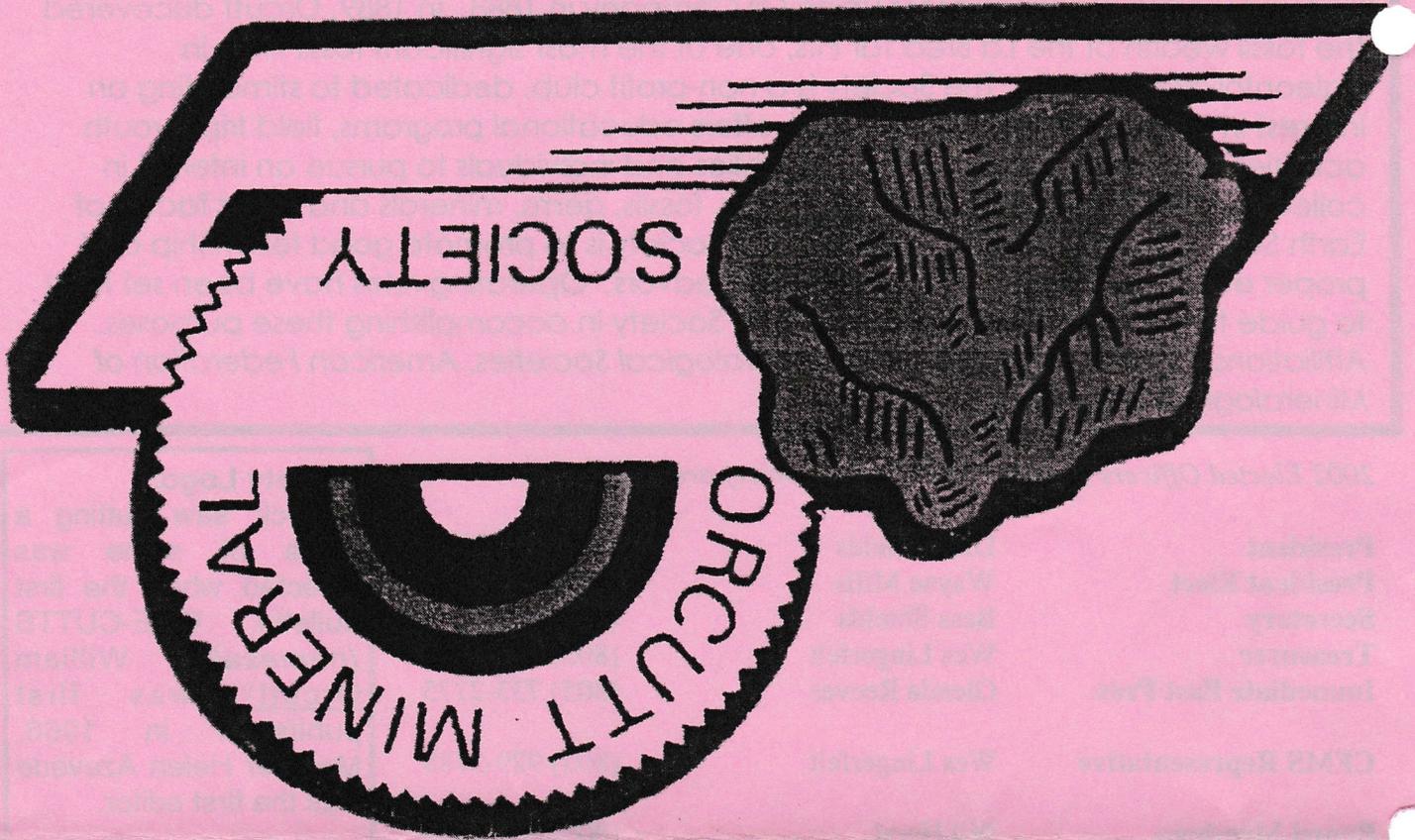
\*\*\*\*\*  
 \* Our OMS webpage is... ( [http://home.netcom.com/~shields6/OMS\\_2001.html](http://home.netcom.com/~shields6/OMS_2001.html) )  
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... with links to CFMS and AFMS. Give'r a spin!!!  
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The OMS sponsors a 3 day annual event that is open to the public:

**34th Annual Gem & Mineral Festival** \* Aug.9-11th, 2002 \* 10am-5pm \*  
 St. Joseph's Church, 298 So. Thompson Ave., Nipomo, CA

Dealers, tailgaters and exhibitor display cases, all relating to Earth's treasures. Rocks, fossils, minerals, lapidary supplies, equipment, beadwork, silversmithing and more. Drawings for valuable prizes and demonstrations with **FREE ADMISSION!**



**ORCUTT MINERAL SOCIETY**

*P.O. Box 106*

*SANTA MARIA, CA 93456*

**GLENDAREEVES, PRESIDENT/EDITOR**

**1526 CALLE CINCO**

**LOMPOC, CA 93436**



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