



Birthdays

Margret Henson
July 17

Anniversaries

Joe and Lisa Azevedo
July 8

Who is Bringing Snacks?

General Meeting on July 12th -
Robyn Burgess is bringing cake.
Thank you Robyn!

July Birthstone - Ruby

The name Ruby is derived from the Latin word ruber, meaning "red". Rubies are a deep red with a hint of purple. This red color comes from trace amounts of the element chromium. The more chromium, the stronger the red color.

<https://www.gia.edu/birthstones/july-birthstones>.

The Prez Box - July 2022



We had a busy June in addition to working on our show we had two of our board members out with the Covid Virus! Wayne, luckily had a fairly mild case but Jeannie W. had it for 18 days and finally tested negative on June 19. It's been rough carrying on without them! In addition, Jan has been taking care of Stan and has missed the last couple of meetings as well. That is one half of our board members out. The rest of us are plugging along trying to fill in the gaps. That's really difficult when our Treasurer has been so ill. Jeanne said she hopes she will be back on her feet in time to help out with the show.

Our annual picnic at Pioneer Park was excellent as usual! Wayne even made it back to hold the Silent Auction. I was worried, no one else has done it except maybe Wes and he was too busy BBQing our delicious Top Sirloin! As usual, he did a magnificent job. Jeannie stuck in there like a trooper, and made her Santa Maria style beans and everyone brought something a little different this year. All seemed to have a good time and left with very full bellies and some with several rocks!

Between illness and the 4th of July falling on our Board meeting night this year, we have been jockeying our Board Meeting dates for both June and July, hoping to pick a night when more of the board members could attend. Therefore, at the July General meeting, the minutes will be presented from the June 20th board meeting. August General meeting will be the summary of the July 18th and

July 2022

July 9 at 8:30 am - Highway Clean-up at the southwest corner of Highway 101 and Highway 166 East.

July 12 at 7:00 pm - General Meeting at Oasis Senior Center

July 18 at 7:00 pm - Board Meeting in Wes Lingerfelt's Garden.

August 2022

August 1 at 7:00 pm - Board Meeting in Wes Lingerfelt's Garden

August 5-7 - OMS Show at Nipomo High School

August 9 at 7:00 pm - General Meeting at the Oasis Senior Center

Upcoming Dates

September 23-25 - SLO Club show at the SLO Vet's Hall

December 10 - OMS Annual Meeting at the Madonna Inn



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August Board meetings. Our program for July will be Tara and Dave Machin on their travels on Route 66. Please bring petrified wood for the displays.

Slow but sure, our plans for the Show are coming together. Renea reported as of Mon. 6/20 all but 4-5 outdoor spaces have been filled and inside is completely filled. She is working on several food vendors who will offer a variety of food items including kettle corn and maybe even ice cream. One has even consented to stay open until around 7:00 PM on Saturday since we will not be hosting our usual Saturday Night BBQ. We have received the signed contract from the Lucia Mars School District stating the Show is a go at Nipomo High School Aug. 5-7, 2022. The Raffle application has been turned in and fee paid. We are just waiting for confirmation that we will be receiving a permit from the State so we can begin printing tickets. The tickets, however can NOT be sold until we, literally, have the permit in hand. Tara is working on securing muscle to help with the heavier parts of set up and break down of the tents and tables needed for the show. We will be getting into our locker to check on the condition of the display cases and getting them cleaned up and electrical checked. If you were planning to have a display this year, you will either need to provide your own case or check with Sharon Duncan whether there are any available cases you can borrow. If intending to borrow one, you need to contact Sharon by July 8. The Port-O-Potties have been reserved and Elaine Von Achen is working on contacting and securing the Security Guard for night time.

There is one area that we are concerned about. The clubs 3 booth's helper sign up sheets are only about half full. We need volunteers from our membership to pitch in!

Happy July!
Sally G.



<https://kids.nationalgeographic.com/science/article/ruby>

<https://www.trtworld.com/life/rare-rough-ruby-goes-on-display-in-dubai-ahead-of-auction-56405>

Orcutt Mineral Society Board Meeting - June 20, 2022

Call to Order: 7:07 pm by President, Sally Griffith

Members:

Present: Renea Sutcliffe, Sally Griffith, Betty Campbell, and Tara Machin. Absent: Wayne Mills, Jeannie Brown, and Jan Ferguson.

Guests: Sharon Duncan, Scott Smith, and Wes Lingerfelt.

Minutes: No corrections to the past minutes.

Treasurer's Report: No report

Correspondences: We received the Santa Lucia newsletter, the AFMS newsletter, another letter from the attorney about the ongoing copyright issue, an ad for a new domain hosting site (gave that to Wes), and a vendor contract for the OMS show.

Contributions: No report

Committee Reports:

1. Bulletin- We recently noticed that the R was dropped in the "Prez Box" and has been the Pez Box since January. As sweet as Sally is, we will be changing the Candy Box back to the Prez Box. Also, the date on the AFMS news was incorrect in the June newsletter. It should have said May 22, 2022.
2. CFMS- No report
3. OMS Membership- No report
4. Field Trips- Nothing scheduled
5. Adopt-A-Highway- Next highway cleanup will be July 9th at 8:00am at the southwest corner of Highway 101 and 166 East.
6. Annual Awards Banquet- We cannot change the location this year. We will be at the Madonna Inn for another year. They start booking Christmas requests in July so we had to let them know by July 11th if we would be cancelling. Since Jeannie was out with COVID, she didn't

have enough time to look into another location.

7. Breakfast- No changes
8. Education- No report
9. Library- No report
10. Sunshine- Stan is recovering and we hope that Jan is doing well. Jeannie and Wayne are both recovering from COVID.
11. Scholarship- No updates until after the annual show

Show:

- Security- Elaine wanted to know how much we should pay the security people per hour. We agreed that \$20 - \$22 per hour was appropriate. Renea will follow up.
- Port-o-potties - These should be taken care of. Renea will follow up with Elaine.
- Renea has a vendor that has a rather large RV at 35 feet. She asked if it was OK to have him parked partially in the food vendor area. We agreed that he needed to pay extra for the extra space and we would give the food vendor a discount. Thankfully, the food truck that the RV is displacing is smaller than a regular food truck. We just can't have him blocking the fire lane. We will follow up to make sure the food vendor is fine with the arrangement before we look into moving him elsewhere.
- We only have 5 open vendor spaces outside. All the inside vendor spaces are reserved.
- Sally looked into visors, hats, and patches. It is a \$50 setup fee for each design. We cannot use the rockhound design on the visor since it is too detailed. However, most of the board members wanted a hat with the rockhound design. We will

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purchase visors since people have requested visors at past shows, we also will also purchase regular ball caps with the Rockhound logo. We wanted to purchase individual patches with the rockhound logo on them, but we would need to sell them for \$15 or \$20 per piece. Sally will make the final decisions based on all the costs. Sally will also pre purchase the visors and the hats from Amazon to save money.

- What to wear at the show- OMS members need to wear their red vests or a red shirt and their name tag. Large OMS logo patches are available for you if you want to sew your own vest.
- We asked if someone could look over the website and make sure that the hotels, RV sites, etc were current. Tara said that she would look it over and send him the changes as needed.
- We went over the t-shirt inventory for sale. There is an odd assortment of colors and sizes. We will try to sell the old t-shirts, but we are not going to print any more for sale at the show.
- Vendor cases - Sharon has 11 vendors that could bring their own, but we have to contact each vendor and confirm they will bring them. We will still need to pull out 4 of our cases from storage. We will pull these out when we pull out the signs.
- Volunteers - Tara has a list of volunteers we could use for table set up and tear down. There are 3 different high schools and Achievement house. Tara will contact each of these groups and let them know the dates and times that we need volunteers along with Renea's contact information.

- Advertising- We still need help in this area. We will try, Next Door, Nipomo Neighbors, Central Coast Chisme, as well as FaceBook and traditional posters.
- Coloring books for the Kids Booth. Sharon shared some dinosaur coloring pages with Tara. Tara contacted the artist and he would like \$5 per master page and then we can make copies for the Kids Booth. The board agreed that \$25 for 5 pages was fine. Tara will follow up with the artist.
- Tara wanted to make signs for the Kids Booth and Hospitality so that folks would know to go talk to the Treasure Chest if they needed help. We don't have people signed up yet to cover all the Hospitality and Kids Booth shifts so we will just might need to be closed for awhile during the day. Treasure chest always has to be covered so at least folks can get help.
- Please also see old business.

Old Business: The contract is finalized and signed with the Lucia Mar School District. We are still waiting to hear about the treasure chest raffle. We were supposed to put in a request for the raffle with the department of justice 60 days before the show. We were a few days shy, but the DOJ said that we should get approval quickly.

New Business: If you purchase items or services for the club, you need to sign your receipts so that the club knows who to make the reimbursement checks to. Also, as a reminder, if you are spending more than \$50, the board needs to approve the purchase. The Santa Lucia Rock Show has offered our club a table at the "Gems by the Sea Show" so that we can promote our club. The board agreed that we would like to have this table. Betty said

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that she would follow up with their club president and confirm that someone would be working the table on September 24th.

Program: Tara will be presenting "Geologic Adventures on Route 66." Please bring Petrified Wood for the July displays.
Adjourned: 8:47 pm
Respectfully Submitted
Tara Machin, OMS Secretary

Corrections

- Apparently the Prez Box has said the "Pez Box" since January and no one caught the mistake until now. It is now corrected.
- On page 2 of the June newsletter the July 12th general meeting should say it is at the Oasis Senior Center, not the Oasis Senior Cnter.
- On page 8 of the June newsletter, the date of the AFMS news should say it is from the May 22, 2022 Newsletter, not March 22.

ORCUTT MINERAL SOCIETY

54th Annual Rainbow of Gems Show & Sale "OMS ROCKS THE CENTRAL COAST"

Friday-Sunday August 5-7, 2022 (10-5 Fri.-Sat., 10-4 Sun.)
Nipomo High School, 525 N. Thompson Ave, Nipomo, CA

Over 40 Inside and Outside dealers, displays and lapidary arts demonstrations, plus Kid's activities, Treasure Chest, Gold Prospectors and food trucks!
Treasure Chest Drawing Sunday (3 pm).

ADMISSION AND PARKING ARE FREE
(District Policy forbids pets, alcohol and tobacco)

"Come for the weather, stay for the rocks!"
Information at: omsinc.org





Bismuth: What is it? How do you make it?

Elemental Bismuth is a naturally occurring metal. It was officially discovered in 1753 by Claude Geoffrey Junine, but people had been using the metals since the Middle Ages. The metal is brittle and has a pink tinge on its metallic surface. Ever wondered why Pepto Bismol is pink? It is because of this pinkness of the metal.

Bismuth may occur naturally, but its sulfide and oxide forms are also important commercial ores. As oxides form on elemental Bismuth, a rainbow of colors can form on its surface. The colors are related to how thick or thin the oxide layer is. When making the large, square shaped Bismuth crystals in a shop, the rainbow of oxide colors are prized. These box shaped hopper crystals of Bismuth that we see at many rock shows are almost never seen naturally. Almost all the Bismuth crystals we see are man made so why not make your own? A very useful article on how to make Bismuth crystals was on chemistrytalk.org/making-bismuth-crystals.

Bismuth is next to Lead on the periodic table which means it shares many of the same properties as lead. It is far less toxic than lead, but you should still take precautions when working with it. You should be using safety goggles, a dust mask, forge gloves, and a fire extinguisher. Some other equipment that you will need are; an open flame camp stove, ceramic fiber insulation (forge insulation), 2 stainless steel containers (bowl shaped is preferred), and a Dremel drill with a diamond tipped circular blade.

Here are the shorten instructions from the chemistrytalk.org website. Please refer to the whole article for more tips and tricks.

1. Put your bismuth in one of your metal containers. Turn your heat source on and let the bismuth melt. If you see a gray skin (slag) form on the surface, don't panic! That is normal. Meanwhile, preheat the second metal container.

2. Once the bismuth is melted and the second metal container is heated up, pour the liquid bismuth from the first container into the second one. Try to pour just the bismuth underneath the skin and prevent the slag from going into the second container. This slag contains impurities! Alternatively, you can skim off the slag with a spoon before pouring.

3. Try to cool the melted bismuth slowly. Cooling it slower will produce larger crystals. This can be achieved by leaving the metal container on the heat source (turned off), or by slowly turning down the heat. Do not cool the bismuth until it is solid.

4. About 30 seconds after cooling, the bismuth should start to solidify. When this happens, pour the liquid away from the forming solid crystals. The solid crystal should seem set but jiggy.

5. Be patient and let the crystals completely cool before removing them from the metal container. If you can not get the crystal out of the container, you can stick it in the freezer for a brief moment.

Your crystal is not going to be rainbow colored at first. Instead, it will be more silver-colored. Don't worry! It will quickly oxidize and you will have your rainbow crystal soon. Be sure to show off your homemade bismuth crystal!



Bismuth Crystals

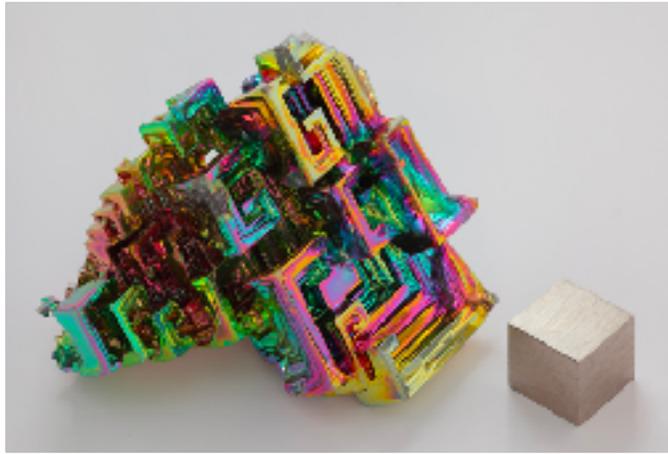


Photo from <https://chemistrytalk.org/bismuth-element/>



Photo from <https://chemistrytalk.org/making-bismuth-crystals/>

Upcoming Rock and Mineral Shows

July 16-17, 2022 - Culver City, CA

Culver City Gem & Mineral Society
Fiesta of Gems

Website: <http://CulverCityRocks.org/fiesta.htm>

August 5-7, 2022 - Nipomo, CA

Orcutt Mineral Society

Website: <http://omsinc.org>

August 6-7, 2022 - Roseville, CA

Roseville Rock Rollers Gem and Mineral
Roebbelen Event Center, 700 Event Center
Dr., Roseville, CA 95678

August 20-21, 2022 - Arcadia, CA

Pasadena Lapidary Society

Contact: Ellen Ferrell at

ellenbf2007@aol.com

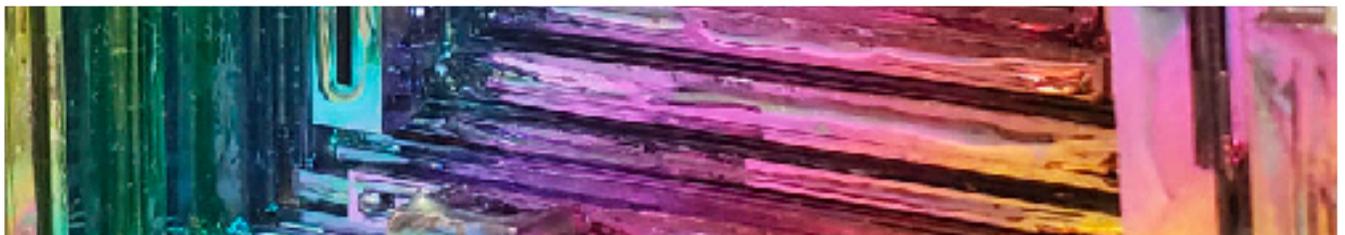
August 20-21, 2022 - Tehachapi, CA

Tehachapi Valley Gem and Mineral Show

Website: <http://tvgms.org>

More information can be found on the

CFMS website at cfmsinc.org



CFMS / AFMS News - July 2022

Notes by Wayne Mills

CFMS Website - cfmsinc.org

President's Box discussed the success of the CFMS Show in Ventura. It mentioned that Marcia Goetz wanted to e-mail the CFMS Bulletin to Editors and Membership Chairs. Mail club information to marciagoetz195@gmail.com

Newsletter Editor's duties are explained.

CFMS Contacts included. Dues are past due.

Where to donate to 8 different AFMS /CFMS Funds.

Juniors—Three juniors entered exhibits at the CFMS Show and won trophies. Kai Kalma (Del Air Rockhounds) won a \$100 award for the outstanding Junior exhibit.

The 2022 Junior Achievement award for Bulletin Articles went to **Lucia Hettrick** (Ventura Gem and Mineral Society). Several other Juniors also won bulletin contest awards.

Rockhound of the Year—**Rachael Phillips** (Santa Lucia Rockhounds --Junior Member), **Charles Walker** (Searchers Gem and Mineral Society), **Kai Kaluma** (Del Air Rockhounds--Junior Member), and **Bob and Maxine Dearborne** (Del Air Rockhounds) were recognized.

Camp Paradise is on for August 21-26 and August 28-September 2. Application is included in the newsletter and on the CFMS Website. Classes will be taught in : Cabochons, lost wax casting, beginning/advanced silversmithing, PMS, fused glass, carving, ming tree magnets, chain making and relief carving..

California Museums—update on contracts, etc. The Buena Vista Museum in Bakersfield nearly burned down in a recent large fire. Their exhibits (and others) may be under insured.

New Director from Santa Rosa Club gave her impressions on the CFMS Show, and a list of awards from that show are included on pages 8-9.

A list of upcoming shows, and 2022 CFMS Officers is also included.

AFMS Website - amfed.org

No AFMS Bulletin in July

Interesting Internet

\$1.5 Billion Lithium Deposit Discovered in Western Maine -

www.newscentermaine.com

Things to Consider Before Collecting Minerals -

<https://www.irocks.com/10-things-to-consider-before-collecting-minerals>

Annual Picnic Pictures

Be sure to check out our [website](#) for all the information.





Orcutt Mineral Society Officers		
President	Sally Griffith	(805) 928-6848
Immediate Past President	Wayne Mills	(805) 481-3495
Secretary	Tara Machin Jeannine Todd	(805) 863-5992
Treasurer	Jeanne L. Watkins	(805) 481-1811
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	Jan Ferguson	(805) 474-9977
	Betty Campbell	(805) 929-5344
	Renea Sutcliffe	(805) 929-2783
	Wayne Mills	(805) 481-3495
CFMS Federation Director		
	Renea Sutcliffe	(805) 929-2783
OMS Membership		
Membership	Wayne Mills	(805) 481-3495
Membership is \$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.		
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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.

