



## Birthdays

Joe Azevedo  
November 8th

Amber Barnard  
November 2nd

Brenna Ferguson  
November 27th

Dee Dee Magri  
November 21st

Wayne Mills  
November 21st

John Von Achen  
November 14th

## Anniversaries

Robyn Burgess  
November 6th

Margaret Henson  
November 19th

Marshall and Glenda Reeves  
November 18th

## The Prez Box - November 2024



I was pleased to see the turnout for our workshop demonstration and wire wrapping day. I am sure everyone came home with a nice wire wrapped piece or a good cut stone. We used the large saws, the trim saw and the flat lap as well. Next time, I hope we can show even more.

I was also very pleased with the number of positions we filled at the last meeting and next we will finalize the process at the next meeting with an election for committee chairs. Thank you everyone for stepping up. And I want to thank people ahead of time for those who will fill the last few positions that we intend to fill. Great clubs are built on great members and as I like to say, "the world is run by those who show up."

Looking ahead, we have some long range planning to consider for club goals and events. Building a lapidary workshop will demand time and experience from several members and we look forward to completing this goal. Thank you especially to Steve and Joey for the hard work to make this a success. I also want to thank Wes as well for helping us with machine purchases and his expertise with lapidary equipment.

And most of all, I hope to see you at our next meeting. We have a lot to talk about and more great stones to share.

See you soon,  
Joe Goetz  
OMS President

## Who is Bringing Snacks?

November is cookies. Joe and Lisa Azevedo, Tara Machin, and Don Nasholm have signed up to bring cookies to the general meeting on November

## November 2024

**November 2** at 9:00 am - OMS Field Trip to the Jade Festival. Meet at the Carl's Jr. in Arroyo Grande at 9 am in order to carpool

**November 4** at 7:00 pm - Board Meeting in Wes Lingerfelt's Garden

**November 9** at 8:00 am - Highway Clean-Up at the south east corner of highway 101 and 166

**November 12** at 7:00 pm - General Meeting at the Oasis Senior Center - Program will be a video about the World's Greatest Geological Wonders.

## December 2024

**December 2** at 7:00 pm - Board Meeting in Wes Lingerfelt's Garden

**December 14** from 12 to pm - Annual Banquet at the Golden Corral  
2104 S Bradley Rd  
Unit A-1  
Santa Maria, CA 93455



## Annual Awards Banquet - Purchase Tickets By November 12th

Please sign up and pay for your tickets by the general meeting on November 12th. Tickets are \$12 for members and \$25 for non-members.



## Displays from the October General Meeting



## Upcoming Rock and Mineral Shows

**November- 2-3, 2024** - Concord, CA  
 Contra Costa Mineral and Gem Society  
 Contact: [show@ccmgclub.com](mailto:show@ccmgclub.com)  
 Website: <http://www.ccmgclub.com/show>

**November 2-3, 2024** - San Diego, CA  
 San Diego Mineral & Gem Society  
 Contact: [benton.luannz@gmail.com](mailto:benton.luannz@gmail.com)  
 Website: <https://bit.ly/gemdiego2024>

**November 2-3, 2024** - Ridgecrest, CA  
 Indian Wells Gem and Mineral Society  
 Contact: Miguel Gonzales (760) 382-2967 or  
[miglogonzal@hotmail.com](mailto:miglogonzal@hotmail.com)

There are no shows in December.

More information can be found on the CFMS website at [cfmsinc.org](http://cfmsinc.org)

## How to Classify Glass from Atomic Test Sites

By Tara Machin

The definition of a mineral is a solid inorganic substance of natural occurrence. The emphasis is on natural occurrence. This threw me for a loop on my most recent trip to New Mexico. We came across a substance that was mineral-like, but it was completely man-made. I am talking about Trinitite, the synthetic glass that was made when the first atomic bomb was dropped at the Trinity test site. If Trinitite is not a true mineral? What is it? Are there any other man-made, mineral-like substances? Well, get ready for a bit of a ride.

The first atomic bomb was dropped in the New Mexico desert on July 16th, 1945. The site of the test was a farm at the time, but it is now part of the White Sands Missile Range. Once a year the Army base stops all testing to allow for an open house for curious visitors. They can see the test site, visit the monument, and see the farmhouse where the plutonium was loaded. People come from thousands of miles away to witness the event. This year 5000 to 8000 visitors made the pilgrimage to the site. My husband and I were two of those visitors. We went to see the crater at ground zero and to see Trinitite.

There was a lot of Trinitite to view, but none of it was at the ground zero crater. So many people were stealing the rocks that the government bulldozed all of it into a pile, buried it, and then built a building over the site that is under lock and key. Even though people were out with their Geiger counters there are few Trinitite specimens to see. If you happen to be lucky enough to



Continued on page 5

Continued from page 4

find a piece of Trinitite, the military will confiscate it as it has been illegal to take from the site since 1953. They did have many pieces on display and it was neat to see the green colored glass, but let's get back to man-made minerals.

An extensive search for man-made rocks and their names yielded a fourth type of rock. We know Igneous, Sedimentary, and Metamorphic, but the fourth type is called Anthropogenic rock.

Anthropogenic rocks refer to rocks made by humans. Some examples of Anthropogenic rocks are concrete, bricks, and coade stone (an artificial stone made in the 18th and 19th centuries used for garden statues). Anthropogenic rocks do not however refer to man-made glass like Trinitite. Maybe we can find the classification for Trinitite somewhere else.

We know that there are other atomic-made glass. Trinitite was made at the Trinity site. Maralingite is glass from the nuclear tests in Maralinga, Australia. Kharitonchiki is atomic glass from Russian nuclear tests. There is even an atomic glass from Hiroshima called hiroshimaite. All of these rocks are all commonly referred to as atomsite or by its super fancy name, "man-made glass". I admit that I was hoping for more amazing terminology. However, on my quest to classify the atomic glass, I did learn about some other interesting human-derived rocks.

It turns out that there are 208 minerals that are formed naturally by human intervention. These are minerals that are formed on mine tunnel walls, around geothermal pipes, and in mine water pools. Humans have also created slag glass on the walls of smelters like those used to make pig iron in Kentucky. There is a very interesting mineral called Calclacite, which only forms when archaeological ceramics are stored in wooden cabinets in museums. We even have a local man-made mineral in San Luis Obispo. It is called Schuetteite. It is a mineral recovered from an ocean mining ore dump. Here is a link to an article if you are interested.

[https://commonnaturalist.com/2019/03/21/more-than-200-minerals-are-inadvertent-byproducts-of-human-activities/#google\\_vignette](https://commonnaturalist.com/2019/03/21/more-than-200-minerals-are-inadvertent-byproducts-of-human-activities/#google_vignette)



## Tile Saws for Sale

David Panaro in Nipomo has some rock saws for sale. Please call 805-889-6643 if you are interested. He will deliver for free.

1. Husqvarna TS-60 tile saw with movable tray and adjustable angle 10 inch blade. 15 Amp, 4000 rpm, 120 V, and 60 Hz. It is on wheels for easy moving. It has a water pump and side trays. Needs electric motor brushes.
2. Rigid Brand Model R4092 commercial tile saw with foldable stand and wheels. It has a 10 inch blade, a movable tray, water pump, and side trays. It needs electric motor brushes.

## CFMS / AFMS News - November 2024

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Notes by Wayne Mills

The following summaries are intended to give the reader a hint of what is contained in the current newsletters. If any of these topics are of interest, PLEASE take the trouble to look up the newsletter on the AFMS or CFMS website.

**CFMS Website** - [cfmsinc.org](http://cfmsinc.org)

**PRESIDENT** - (Marcia Goetz) -Marcia hopes that CFMS Representatives attend the Annual meeting in Visalia on November 8-10. Marcia is looking for reports from clubs prior to the meeting. (Page 1)

**CFMS INSURANCE CONTACTS, CFMS NEWSLETTER SUBSCRIPTIONS, CFMS WEBSITE, NOTES FROM THE EDITOR**, Reports for the Annual Meeting are due by October 25.. POEM: "My Favorite Things" (with apologies to Julie Andrews) Rosa Lene McArthur Via "Boulder Banter"" 7/2007, 8th Place in AFMS Poetry. (Page 2)

**CFMS FALL BUSINESS MEETING** (Pat La Rue, AFMS Secretary/Treasurer) The meeting will be held in the Visalia Wyndam on November 8-10, 2024.

**JUNIORS ACTIVITIES** (Jim Brace-Thompson, Juniors Chair) Have your Juniors write articles and poems for the Juniors Newsletter CRACK THE NEWS. Every Juniors submission gets a patch. See details at: <http://www.juniors.amfed.org/juniors-newsletter>. (Page 3)

**CFMS SHOWS OF THE FUTURE**-CFMS is looking for hosts for the 2025, 2026 and 2027 CFMS Shows. Contact Susan Chaisson Walbloom at: [slchaisson@yahoo.com](mailto:slchaisson@yahoo.com).

**CFMS SCHOLARSHIP REPORT** (Diane Cook, 2nd VP) 3 honorees were named at the Ventura Show. One will be named at the Visalia Director's Meeting. Scholarship info is included.

**NOMINATING COMMITTEE FOR CFMS BOARD** (2025) See article for details.

**EARTH SCIENCE STUDIES** (Jill Adkins, Co-Chair) Camp Paradise 2025 will be held on 8/17-23, and 8/24-30. Jill wants 9" x 13" tubs filled with slabs of different hardnesses for lapidary classes.

**IN MEMORIUM** (Pat La Rue) Remembering members Betty Egger (Amador Co. GMS) and Jeanne Stultz (Shasta GMS) for their valuable services to their clubs and to AFMS. (Page 5)

**CFMS ENDOWMENT FUND** Article lists several ways to donate.

**ALL-AMERICAN CLUB YEARBOOK, HOW TO PREPARE YOUR ENTRY** (Diane Cook) Entries are due by January 15, 2025. Send to: [DianeCook.cfms@gmail.com](mailto:DianeCook.cfms@gmail.com)) (Page 6)

**AFMS RULES COMMITTEE** (Jim Brace-Thompson, NEW Chair) Jim is the new chair for the committee that sets the rules for judging competitive display cases. But if we cannot get a club to sponsor future CFMS Shows, there will be no need for the committee! (Page 7)

**LOCAL AND REGIONAL SHOW DATES** 10/2024-4/2025 (Page 9 Remember to update CFMS with your local show dates. Other sources to advertise your show, including Rock & Gem. (Page 8-9)

**PRACTICE PUBLIC RELATIONS ALL-YEAR LONG** (Jim Brace-Thompson, Public Relations Chair)

**HISTORIAN** (Jennifer Haley) The Art of being a meaningful Historian—doing the job of Club Historian well! (Page 10)

**2024 CFMS OFFICERS AND CHAIRPEOPLE** (Page 11)

Continued on page 7

Continued from page 6

**AFMS Website - [amfed.org](http://amfed.org)**

**PRESIDENT** - President Moore got his start in AFMS by helping with 4H Geology project, then going on field trips and working with great “rock people”.

As Federation President he has visited several Federation shows. CFMS is currently seeking to fill positions as Judges Training Chair and Media Director.

**THE FOSSIL OF THE MONTH** (Charlotte Small (Age 16) FMC Drawing of Cambropachycope from the Cambrian of Sweden. (Page 1)

**AFMS OFFICERS 2024** - Public Relations Versus Publicity–Is There a difference? (Jim Brace-Thompson- Publicity Chair) Read article to find out the difference. (Page 2)

**HANDS–WHERE ARE THEY?** (Ellery Borow, CFMS Safety Chair) Keep your hands safe! (Page 2)

**POEM–STONES** (Margo Lisby-East Auburn GMS) (Page 2-3)

**AFMS ROCKHOUND OF THE YEAR** (Judi Allison, ROY Chair)

No Honorees from the Central Coast, again.

**AFMS SCHOLARSHIP REPORT** (Sandie Fender, Scholarship Foundation President)

Sandie needs nominees from all Federations by January 15. Winner will be announced at the AFMS Convention in Hickory, North Carolina in March 2025. Sandie also needs a Treasurer for the Foundation. (Page 4)

**QUICK TIPS FOR EDITORS** (Linda Jaeger, RMFMS Editor) PLAYING WITH WORDS–WANNA’ BE A POET? Writing Acrostic, Cinquain and Haiku poetry. Learn these and have a club Poetry Contest, Submit winners to the CFMS Bulletin Contest by January 15, 2025. (Page 5)

**UPCOMING REGIONAL FEDERATION SHOWS, AFMS PURPOSE, SUBSCRIPTION AND SUBMISSION INFORMATION** (Page 6)

**AFMS LAND USE POLICY, AFMS CODE OF ETHICS,**

**KIDS–SEND AN ARTICLE TO “CRACK THE NEWS” AND RECEIVE A “George the Geode” PATCH.**

**2023-2024 COMMITTEES & CHAIRS** (Page 8)

<b>OMS Membership</b>	
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.	
<b>OMS Online Contacts</b>	
Website	<a href="http://omsinc.org">omsinc.org</a>
Email	<a href="mailto:info@omsinc.org">info@omsinc.org</a>

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**Orcutt Mineral Society, Inc.**  
**P.O. Box 106**  
**Santa Maria, CA 93456-0106**

*ADDRESS CORRECTION REQUESTED*

The ORE-CUTTS (named after William Orcutt) was first published in 1966. Member Helen Azevedo was the first editor. The Orcutt Mineral Society was founded in 1958, and was also named after Orcutt who was a geologist and civil engineer who worked in the Santa Maria Valley as a District Manager for Union Oil Company in 1888. In 1889, William Orcutt discovered the mineral and fossil wealth of the La Brea Tar Pits on the property of Captain Alan Hancock in Los Angeles. The La Brea Tar Pits are one of the most significant fossil finds in paleontological history.

OMS is a non-profit organization dedicated to stimulating an interest in the earth sciences. The club offers educational programs, field trips, scholarships, and other opportunities for families and individuals to pursue an interest in the collecting and treatment of lapidary materials, fossils, gems, minerals, and other facets of the Earth Sciences. In addition, another goal of this Society is to promote good fellowship and proper ethics in pursuit of the Society's endeavors. Operating Rules have been set forth to guide the officers and members of the Society in accomplishing these aims. Affiliations of the OMS include American Federation of Mineral Societies, and California Federation of Mineral Societies.

