

The Ventura Gem & Mineral Society presents:
Rockhound Rambling
The Official Bulletin of the VGMS

Volume 69 Issue 6

June 2023

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Time to Enter the VC Fair!

There's still time to enter your items at the Ventura County Fair Gem & Minerals Department. Single entries must be made online at the Fair website, www.venturacountyfair.org. Case entries must be reserved and confirmed on a first-come, first-served basis by calling Diane Cook (number below). Entry weekend will be July 28-29-30, 2023. Please use the Entry Guide to check the rules and determine the Division and Class you want to enter. See the flyer attached to this newsletter issue for more information. If you are interested in volunteering to help set up or during the fair, or you have questions, please contact Diane Cook at (805) 889-1209.
–Diane Cook



Our own president John Cook made everyone want to take a trip to Calistoga last month after his interesting talk. Join us at our monthly member meetings!

Notice of July Member Meeting Change

Please mark your calendars: Our July, 2023 member meeting will now take place on July 19th, which is the third Wednesday of the month. The meeting will be at the same time, 7:30 p.m. with social time at 7 p.m. The original meeting date conflicts with the set-up for the Ventura County Fair. As per our club's by-laws, we are required to publish notice of any member meeting changes in the previous month's newsletter. We hope to see you there!

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Ventura Gem & Mineral Society (VGMS)

P.O. Box 1573, Ventura, CA 93002

Purpose of the VGMS:

In a welcoming club environment, VGMS encourages interest in the earth sciences, mineral and fossil collecting, field trips, and the lapidary arts, including jewelry making. Our monthly meetings feature interesting lectures by amateurs and experts. Via facilities in our clubhouse, we offer workshops and opportunities for crafting polished stones, in addition to maintaining a museum and library for educational use. We also sponsor an annual show for members to share their collections and jewelry with the community, during which we award a student scholarship in the Earth sciences.

Club Essentials

Contact

Email: info@vgms.org Website: www.vgms.org

Annual Membership Dues

First adult member in a household: \$20

Subsequent adult member(s) and children ages 6-18: \$10 each

Children ages 5 and under: no dues with adult member

Print subscription to *Rockhound Rambling*: \$35

Regular Meeting

7:30 p.m. - 9:30 p.m. via Zoom or at The Poinsettia Pavilion
Santa Paula Room, [3451 Foothill Rd., Ventura, CA 93003](https://www.google.com/maps/place/3451+Foothill+Rd.,+Ventura,+CA+93003)

January through October: 4th Wednesday of the month

November and December: 2nd Wednesday of the month

Anyone may attend and is welcome. The December meeting is normally a holiday party.

Board Meeting

7:00 p.m. via Zoom or at The Poinsettia Pavilion

Santa Paula Room, [3451 Foothill Rd., Ventura, CA 93003](https://www.google.com/maps/place/3451+Foothill+Rd.,+Ventura,+CA+93003)

First Thursday of the month

Field Trips

Announced monthly in the bulletin and the regular meeting.

Annual Show

The Club's Annual Gem Show is held the first full weekend in March at the Ventura County Fairgrounds.

Workshop/Museum

[11969 N. Creek Road, Ojai, CA 93023](https://www.google.com/maps/place/11969+N.+Creek+Road,+Ojai,+CA+93023)

Open Workshop Day: 3rd Saturday of the month

Certified Members' Workshop: 1st Sunday of the month

Federation Affiliation

California Federation of Mineralogical Societies (CFMS)

VGMS Club Colors

Blue and gold

Permission to reprint

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Photo of the month credit

Photos provided by Jim Brace-Thompson.

2023 Elected Officers

President	John Cook
1st VP, Programs	Terry Wilson
2nd VP, Field Trips	David Springer
3rd VP, Show Chair	Diane Cook
Treasurer	Lauren Wideman
Recording Secretary	Nancy Brace-Thompson
Membership Secretary	Erin Valenzuela
Federation Director	Jim Brace-Thompson
Bulletin Editor	Celia Churchill
Parliamentarian	Shirley Layton
Web Director	Troy Schmidt

2023 Committee Chairs

Ways and Means	Adrian Ruiz and Jenifer Russell
Museum	Jim Brace-Thompson and Troy Schmidt
Library	Heather Seaton
Historian/Archivist	Jim Brace-Thompson
Host/Hostess	Sue Slyker
Pebble Pup Chairs	Lisa Batchelder-Hetrick and Erin Valenzuela
Club Stewards	Ron Wise, David Springer, and John Cook

LETTERS

President's Message

John Cook



President Message June 2023 The July club meeting, originally scheduled for Wednesday, July 26th, 2023 was changed to Wednesday, July 19, 2023, due to scheduling conflicts of the Ventura County Fair and to accommodate our speaker. Please note this change on your calendar.

Summer has arrived and due to the longer daylight hours, we are going to provide more availability to our workshop for certified members. Our first night will be June 14th. The clubhouse will be open to certified members only the second Wednesday of June, July, August and September. The clubhouse will be open from 5 p.m. to 8 p.m. for certified club members. If you are interested, please sign up on <http://whoscoming.com/vgms/>—want to get certified to use our machines? Sign up in the member section of the website, complete the form hit enter and someone will contact you to set a date and time.

There are a lot of repairs on the clubhouse building and yard maintenance to be done. On the website Troy has placed in the members section a list of some of the items that need to be done (Clubhouse Maintenance is the heading) so please let us know what you can help with. Jake Bailey is the clubhouse custodian and has a list of clubhouse maintenance issues that needs to be addressed. So, if you are interested in helping Jake, please let myself or Jake know. For those of you who have special skills such as plumbing, electrical, drywall repair work, please let us know that too.

The 2024 Show Committee will start meeting to plan out 2024 Show. If you are interested in being part of the show meetings, please contact myself or Diane Cook. I would personally like to thank all club members who helped with the Gold Coast Gem Show on May 27th and 28th. It was a great success with all your help.

I am always available to answer questions and to listen to any new ideas or opinions by E-mail: cookjohnr@sbcglobal.net or phone: 805-320-5611.

Rock on,
John

Editor's Note

Celia Churchill



As I write this note I'll be leaving in the next few days for the California Federation of Mineralogical Societies' annual Show & Convention in Lodi. This will be the second CFMS Show I've attended, and the first one as a committee chair—so I actually get to go to the "Convention" portion of the Show. I've learned that the CFMS Board, Committee Chairs, and all of the Federation Directors from each member society are invited to attend. VGMS is well-represented,

with our 3rd VP and Show Chair Diane Cook on the Board

as CFMS Treasurer and All-American Committee Chair; our Federation Director Jim Brace-Thompson serving triple duty as a member society director, the CFMS rep to AFMS, and the Junior Activities Chair; and last but not least, yours truly as the Bulletin Aids Chair.

I am looking forward to presenting the awards for the winners of the 2023 Bulletin Contest. Without giving out any "spoilers," I will say that our members did a great job. I would like to thank everyone who submitted articles to the Bulletin last year (and continues to do so this year)! It makes the job of Editor a lot easier and more fun when lots of members contribute.

As always, if you have any articles, photos, or comments about the bulletin, please E-mail me at vgmseditor@gmail.com.

NEWS

Program Review and Schedule

Terry Wilson, 1st VP – Programs

Program Review - The Petrified Forest of Calistoga, CA

Last month our own president, John Cook, took us on a virtual trip to Calistoga in Napa County. Calistoga is home to a spectacular petrified forest of redwood trees! About four million years ago, the now extinct Mount Saint Helena volcano (which also goes by the Modoc Indian name, "Kenoki") let loose like an early version of Mount St. Helens. The volcano is extinct, but that long-ago blast flattened a forest of immense trees, and its ash buried and preserved them as they fell, frozen in time. Erosion has exposed parts of the giant trees and many have since been excavated, revealing trunks 100 feet long and six to ten feet in diameter. John showed us beautiful photos, one of which may or may not have shown Big Foot, and introduced us to "Petrified Charlie." Several members could be heard after his talk saying that they'd like to visit Calistoga. Thank you very much to John for a great talk!



Thanks to our president for a fun talk!



Jenifer and Adrian called out winning numbers at our May Ways & Means raffle.

This Month - Mini Presentations

For the June meeting, we're having a collection of mini presentations by our members, including the Pebble Pups and Junior Rockhounds! If any of you would like to talk about something for 5 or 10 minutes, please reach out to me (terry@terryfic.com) and we'll put you on the lineup. This is a perfect chance to share your special knowledge without having to turn it into a full blown presentation! If you found a unique collecting spot, have a special trick or tip, or some interesting facts to share, we'd like to hear about it.

We will also have a special presentation from Brett Johnson on behalf of the Oxnard G&MS about an opportunity to collaborate in classes at their workshop facility. Hope to see you there!

OGMS Call to Instructors!

Brett Johnson

Calling all instructors! If you have an interest and experience in lapidary and/or jewelry arts, Oxnard Gem & Mineral Society is looking to expand courses offered at the Durley Park shop. Currently, the classes offered are three (3) silversmithing during the morning and evening and two (2) evening lapidary arts. You can offer any type of lapidary or jewelry course, tailoring the schedule to the learning objectives you select. Some course ideas are: wire-wrapping, youth lapidary arts,

enameling, gemstone faceting, and stone carving. The benefits to you are: use of the facility and equipment, meet new people and stimulate creativity, and recruit new members for the clubs (classes are open to the public). Please contact Kirsten Meeker at: KMeeker123@gmail.com, Brett Allen Johnson at: BJ9709@yahoo.com or Jean pSmith at: BulletHeadGX@gmail.com for more information.

Field Trips

Fee-Based Field Trips in California

David Springer, 2nd VP – Field Trips



Itching to go on a rockhounding adventure? Try the various fee-based businesses that are run by mine owners who have just that idea in mind, where they are run and operated to cater to individuals, families, and large groups alike, and you can set the dates that work for you! Most have all the items you need to sort and collect on their premises, you simply arrive on time, bring the proper clothing and something to eat and drink,

and a hefty bag or bucket to haul it back home.

I will list a few examples of such fee based trips that I or folks that I know well in our club have gone on, each will end with a listing of website(s) where you can go to for further planning information. First you need to ask yourself, what stokes the fires in your imagination, hunting for rare gems, hunting for fossils, entering a mine? Well, there are places that allow you to do just this thing. Read on...

Sharktooth Hill is a famous area in Bakersfield that is billed as containing one of the largest concentrations of marine fossils in the world! It is currently listed as a National Natural Landmark and is off limits to digging, however, nearby Ernst Quarries are located proximally and offer fee digs for sharks' teeth on a regular schedule at their quarry. All sorts of sharks' teeth can be found in excellent condition including the rare *Megalodon* tooth. You will be digging near the ground surface accessing seams that contain the fossils using hand tools. Fees are \$40/adult and \$30/children 10 and under. Student groups are given four hours of digging and via arrangement can access with fees as low as \$15/student. A schedule of available dates is listed on its internet site, along with much, much more information about the site, the fossils it contains, and related information. Unfortunately, as I am looking at their schedule, while they have date still in June 2023, they are closed starting 3 July through all of August, likely due to heat, but open up with September. For more information, go to sharktoothhillproperty.com.

The Ocean View Mine is located in the Pala mining district of San Diego, California. The current owners have been mining there since 2000. It is an active operating mine with real miners working in the adits and shafts to extract beautiful tourmalines and other gemstones. You can expect to find at this mine, smokey quartz, Triphane (a spodumene), mostly green and black but some other colors of Tourmaline,

blue Aquamarine, possibly some pink Kunzite, and if you are truly lucky, the rare form of beryl known as Morganite. I have gone multiple times and each time I came home with different materials, I am still seeking the Morganite but was able to purchase a lovely piece from the mine at a nearby rockshop for safekeeping. The format of this mine is they create a large mining run pile of dirt in the center of an area encircled with wash/sift stations. This pile came from the mine and contains the gems, you are to separate them out by washing the dirt off and sifting through screens they provide and then picking out the shiny gemstones that emerge from this operation! The participants occupy the stations and are given each a bucket and shovel. After an introduction of "The rules" from the the helpful staff, the day starts and you make as many trips to the pile and back to process your mine dirt, the more buckets you can screen the better the chances of findings for great stuff. For those "silver pick" miners seeking a more red carpet treatment, bags of high grade ore can be purchased for \$100 directly from the mine. I won a bag of such high grade dirt in a drawing at a now closed mine called the Himalaya Mine, and can attest that it contained as much great stuff as I hauled in myself working rather hard all day. Not a guarantee, but just a satisfied customer from this one experience. The mine is open 9:30 a.m. to 3 p.m. Thursday, Saturdays, and Sundays only. Adults are \$75, children are \$60, and discounts are offered for larger groups. For more information, go to digforgems.com or oceanviewmine.com.

The Pala Chief Mine is a second mine owned and operated by the Ocean View Mine personnel since 2011, located in the same general area as the Ocean View Mine. It has been in operation since 1903, and contains some of the best pink Kunzite in the entire world. The experience here is a bit different in that you are given access to the mine area itself and are given the opportunity to go through all the old mine dumps which have not been size sorted. This means you have a greater chance of finding nice matrix specimens on the Pala Chief Digs as well as finding gemstones that may have been missed by the old miners looking for larger carving rough. Because of this nature of activity, children under 12 are not permitted. Access is limited to small groups and they often sell out so advance reservations are essential. Cash only at the gate, as their credit card swiper does not work in the thick of Mother Nature. On their calendar, they appear to be open every other Sunday, 8 a.m. - 1 p.m. You get to keep up to two full five-gallon buckets. Cost is \$75 per person. The calendar and more details are accessed on digforgems.com or palachiefmine.com.

If collecting the State gemstone, the rare mineral known as Benitoite is your wild rabbit, you need proceed no further,

next stop is the *Benitoite Mining Company*. It is located near Coalinga, CA (I pronounce it COW a linga due to its proximity to the Harris Ranch, California's largest beef producer which you can smell miles away!), in the mountains off Los Gatos Road. It is actually not too distant from a trip we do annually called Clear Creek in October when we search for Plasma Agate. The format is similar to the Ocean View Mine where you collect and sift dirt from the mine in a central pile ringed by wash/sift stations. Your quarry is the ultra rare and beautiful blue California State gemstone know as Benitoite, which often occurs with a jet black mineral known as Neptunite, along with a host of other rare mineral species found at the mine. The Benitoite crystals you find may be rather small and are often coated in a white carbonate that needs to be dissolved out,

but a 1/2-carat faceted Benitoite gemstone sells for north of \$1000, and they are drop dead gorgeous! They are open 9 a.m. to 3 p.m. Saturdays only by reservation. Fee is \$100/adult and \$50/child 12 & under. Members of our club have gone and they rave about it. For more information, visit benitoitemining.com.

So there you have it, a handful of great rockhounding opportunities await for those bold enough to take a leap. Each promises to be a great adventure, all you need do is access the websites, and plan it out. Remember to take pictures and share with us all that you find. We will also ask our webmaster to insert the URLs for these websites in our VGMS web page. Happy hunting!

Workshop

Clubhouse Adventures

Jim Brace-Thompson

Per our sign-up logs, both online and at the clubhouse, our Workshop Day of May 18th saw Kathryn Davis, Tyrone LaFay, Abigail Landeros, Shirley Layton, Rich Pisor, Tanya Reyes, Debbie Sander, Ian Sarabia, Robert Seaton, Lonnie Sutton, Dick and Phyllis White, and me under the watchful eyes of Shop Stewards John Cook, Ron Wise, and David Springer. In addition to getting a couple geodes cut and trimming some slabs for cabbing, I managed to clear a bit more clutter from the Museum storage room while others furthered progress with cabochons and/or flat-lapped. We also enjoyed two visitors checking out the facilities and our club offerings, Doug and Karen Kirk. Finally, a large group of Pebble Pups and Junior Members gathered for a monthly lesson toward earning a new badge for their sashes, so there was certainly a lot of activity on this particular Workshop Day.

Our Sunday afternoon Workshop Day on June 4th was more lightly attended but still hummed right along. We saw Jake Bailey, Kathryn Davis, Shirley Layton, Rich Pisor, Debbie Sander, Steven Schaab, Robert Seaton, Bella Welch, and myself under the supervision of Shop Stewards David Springer and John Cook. Dick and Phyllis White also made a brief appearance, and Celia Churchill arrived in the wee morning hours for Workshop Certification lessons under John's tutelage. There was sawing and cabbing and flat-lapping, and I certainly had fun seeing the insides of a nice big biconoid the likes of which I hope to collect on the June 10th field trip. I also enjoyed cabbing away at my ever-growing stash of brecciated Ventura beach jasper. Ask me about it, and I might give you a slab. Until then, see you at the next Workshop Day!



Shirley and Debbie prepare for cabbing on our May 18th Workshop Day.



There was a tableful of material waiting to be slabbed on May 18th.



Bella and John chatted in the cab room on June 4th.



Tag-team flat-lapping on May 18th.



More fun with Ventura beach jasper on the June 4th Workshop Day.



Steven and David make progress in the saw room on June 4th.

Visitor from Above Threatens Clubhouse!

As if becoming a magnet for homeless men seeking a spot to sleep it off wasn't enough last month, our clubhouse was recently threatened from above! Upon arriving for a classroom visit to the museum rooms, we spotted a rather large tree limb that, fortunately, fell a bit short of crashing through the front museum room window. The intruder was rapidly dispatched by Team Ron & John.



Oh no! It's raining tree limbs up at the clubhouse! Oh my!

Federation News

The 2023 CFMS Show & Convention Now Underway!

Jim Brace-Thompson, Federation Director

As you read this, the 2023 CFMS Show & Convention will be either underway or recently concluded, so tune in next month for a full report if you couldn't make it to Lodi for the show itself. I do know some members are entering competitive displays, and we have several articles from this very newsletter entered into the bulletin competition, so here's hoping to report on awards for some of our fellow VGMS members. Also, at least three of our Pebble Pups and Junior Members have submitted applications for the Junior Achievement Awards. Who won what? Find out at our June membership meeting and/or in our July issue of Rockhound Rambling!

After Lodi? Buckle your seat belts! Our very own VGMS will serve as host for the 2024 combined American and California Federation of Mineralogical Societies Show & Convention!



Who will earn coveted trophies at this year's CFMS Show & Convention?

One Last Reminder: Camp Paradise Still Accepting Applications



Fine-tune your cabbing skills at Camp Paradise.

As I've noted in previous months, the California Federation of Mineralogical Societies is accepting applications to attend "Camp Paradise," where you can sign up for one or two weeks of classes in lapidary and metal-working arts. Sessions take place August 20-26 and August 27-September 2. To register, go to

<https://cfmsinc.org/camp-paradise/>. The website includes a detailed document describing the whole experience. Check it out!



Attend the AFMS Show in Billings and you may come home with Bear Canyon agates!

AFMS News: Make Montana Your Summer Vacation Destination (And Attend the AFMS Show!)

Jim Brace-Thompson, Federation Director

As noted last month, if you're seeking a summer vacation destination, try Billings, Montana! While there, seek fossils and agates in the surrounding hills and mountains while attending the American Federation of Mineralogical Societies' annual nationwide show and convention taking place August 3-6 at the Billings Hotel & Convention Center. I'll be there as an AFMS committee chair and as AFMS Fifth Vice President representing the California Federation. I'll also be installing a display of local Ventura lapidary treasures as a promo to entice folks to come to our hometown for the 2024 AFMS national show, and I'll be taking show packets as handouts. Watch for a full report in our August newsletter.

Meanwhile, info about the 2023 show, along with forms for exhibitors and advance registration, seems to be scattered about but check out the following websites: **AFMS:** https://www.amfed.org/news/n2023_06.pdf; **Northwest Fed. of Mineralogical Societies:** <http://northwestfederation.org/FederationShow.asp>; **Billings**

Gem & Mineral Club: <https://billingsgemclub.com/rock-shows/2023-show>.

Immediately following the show, the Billings Gem & Mineral Club is hosting a full week of post-show field trips. Here's what's scheduled: **8/7:** Bear Canyon for black-and-white fortification agate; **8/8:** Hysham fossil trip; **8/9:** Yellowstone River (conditions permitting) for petrified wood and Montana agate; **8/10:** Glendive fee dig for fossils; **8/11:** trip TBD for agate.

I'm hoping to join in on that Bear Canyon field trip about 70 miles outside of Billings, and I'll let you know if I make a good strike before heading back home. Our VGMS President John Cook has wished me luck as I journey up the steep slopes of Bear Canyon in search of elusive nodules. "Break a leg, Jim!" he told me. At least, I think that meant, "Good luck!" Or was it a warning based on painful experience of what not to do on a steep slope?

Meeting Minutes

VGMS General Meeting, May 24th, 2023, at the Poinsettia Pavilion.

Attendees:

Called to order at 7:30pm PST, John Cook, Presiding.
There were 42 participants, with 4 guests. 7-7:30 p.m. was Social Time.

Announcements

Signup reminder

If you are going to any workshops or fieldtrips, you MUST sign up on <http://whoscoming.com/vgms/> so that organizers can plan accordingly.

Member's Workshop

Sunday June 4th, 2023 from 12-3pm.

Rockhound Rendezvous

No general workshop. The Rendezvous is Saturday June 17th, 2023, from 11am-2pm. The club will provide the pulled pork (thanks to Dick White) and members should bring appetizers, side dishes, desserts, and drinks. There will be tailgating and adult and pebble pup silent auctions. Come and enjoy the fun!

Old Business

2024 CFMS/AFMS Show

The Poster contest for the 2024 show is going on now and will be voted on at the rendezvous. VGMS will host the 2024 CFMS/AFMS show at the Ventura Fairgrounds on May 24-26, 2024. Wednesday May 22nd is for setup and Thursday May 23rd is move-in for exhibitors and dealers.

Finding a NEW Clubhouse

It's now more important than ever to find a new clubhouse. Our current clubhouse is aging, and it is time to find a new place. If you want to be on the committee, contact Diane Cook. We have a good lead but more negotiations need to be done.

Gold Coast Show

Need volunteers to help with the VGMS tables. Sign-up with Jenifer Russell. If you've signed up to help, see Erin Valenzuela for a parking pass.

Ventura County Fair

Entries will be July 28-30. If you want a case, you must call 805-889-1209 before June 4th, 2023.

Mojave Trails

Public comments is open now. Letters by clubs and individuals are greatly appreciated to keep areas open for rockhounding. Harrison Tasoff will send the email to Celia Churchill and she will send it out to the membership.

Officer - Committee Reports

1st VP – Programs: Terry Wilson

The presentation, Petrified Forest in Calistoga by John Cook was great. June is Condor Agates by Lewis De Los Santos. July is Tim Garvey.

2nd VP – Field Trips: David Springer

June 10th 10am at Avila beach for Deedeete and near Cambria on Hwy 46 for biconoids. Signup on <http://whoscoming.com/vgms/>.

3rd VP – Show: Diane Cook

Not present.

Treasurer: Lauren Wideman

Not Present. Diane Cook and Nancy Brace-Thompson are co-treasurers and will take money for saw cards and other items.

Secretary: Nancy Brace-Thompson

The April meeting minutes were motioned by David Springer, 2nd by Robert Seaton and approved by all.

Bulletin Editor: Celia Churchill

Thank you to everyone who contributed to the May bulletin. Due date for the June bulletin is June 10th.

Federation Director: Jim Brace-Thompson

The CFMS 'no-host' show in Lodi will be June 23 - 25th. Everyone is welcome to volunteer, attend and display. Jim Brace-Thompson oversees the kid's booth and is looking for volunteers! Still looking for dealers contact Susan Chaisson-Walblom. Looking for silent auction/raffle items that go towards the CFMS/AFMS scholarships. Contact Jim or Diane Cook if you are planning on going and can volunteer some time or would like to donate an item to the silent auction or raffle. AFMS show is in Billings, Montana on August 3-6, 2023. Information is in the newsletter.

Camp Paradise is still accepting applications for either one or two weeks of 8/20/23 to 9/2/23. For more information go to: <https://cfmsinc.org/camp-paradise/>.

Parliamentarian/Scholarship: Shirley Layton

Nothing to report

Web Master: Troy Schmidt

Not Present. Website is up to date.

Membership: Erin Valenzuela:

143 adult members, 37 pebble pups & 6 juniors for a total of 186 members. The membership directory was emailed and it is in the members area of the VGMS website. Erin is asking for donations for the members' raffle at the meeting.

Committee Reports

Pebble Pups: Lisa Batchelder-Hetrick/Erin Valenzuela

17 kids and parents were at the last pup class. Next will be

at the Rockhound rendezvous with a pup silent auction. July class is still open.

Ways and Means: Adrian Ruiz and Jenifer Russell
\$83 was made tonight.

Museum: Troy Schmidt/Jim Brace-Thompson
Lighting looks great in the museum cases. Nancy and Jim have been cleaning out the museum backroom.

Educational Outreach: Jim Brace-Thompson
Upcoming Events: Tuesday May 30th at Elmhurst Elementary School presentation for 4th/5th graders. Summer programs - TBD Ocean View School District Summer Program and YMCA Summer Camp Summer Program on Friday August 11th for Fossils. More information coming.

Hostess: Susan Slyker
Thank you to Shirley Layton & Debbie Sanders for bringing refreshments.

Archivist/Historian: Jim Brace-Thompson

Will start doing archive articles 'Blast from the Past' for the newsletter.

Librarian: Heather Seaton
Not Present.

Stewards: John, Ron and David
Would members be interested in another members' workshop on a weeknight during the summer? The stewards will get together to make sure there are stewards who can be in charge of the weeknight workshop.

Next Meeting
The next member meeting will be on Wednesday, June 28th, 2023, beginning at 7:30pm at the Poinsettia Pavilion.

With no further business, President John Cook adjourned the meeting at 9:35pm.

Respectfully submitted on June 10th, 2023.
Nancy Brace-Thompson, Recording Secretary

Meeting Minutes

VGMS Board Meeting, June 1st, 2023, via Zoom

Called to order at 7:00pm., John Cook presiding.

Attendees

John & Diane Cook, Nancy & Jim Brace-Thompson, Shirley Layton, David Springer, Ron Wise, Celia Churchill, Dick & Phyllis White, Robert Seaton, Erin Valenzuela, Lisa Batchelder-Hetrick and Terry Wilson.

Announcements

Meeting Minutes

The May meeting minutes were approved by David Springer and seconded by Diane Cook and approved by all.

Summer Night Workshops

The stewards will get together to pick dates for June, July, August and September.

Members Meeting

There are options for the July General meeting. After discussion, it was decided to move it to Wednesday, July 19th with Tim Garvey as presenter. Next Members' meeting will be held on Wednesday June 28th, 2023, in person at the Poinsettia Pavilion starting at 7:30pm

Certified Members Workshop

Sunday June 4th, 2023, from 12-3pm

Members Workshop

No members' workshop due to the Rockhound Rendezvous.

New Business

OGMS News

Kirsten Meeker and Brett Johnson, talked about Durley Park in Oxnard where OGMS teaches courses. There was a fire about two years ago and the shop will soon be able to reopen. They are looking for new instructors to teach classes starting in the Fall. OGMS is in negotiations with Oxnard Parks and Recreation for a lease. Classes are open to the public when they resume. Instructors are volunteering their time currently. OGMS has discussed giving a nominal fee to the instructors. The parking lot and the restrooms were discussed. OGMS wanted to make sure the VGMS board members did not have an issue with OGMS approaching VGMS members. It was suggested that OGMS members give a presentation at a VGMS members' meeting and put an article in the Rockhound Rambling. This shop will not be the "OGMS" shop and classes; it will be a Lapidary, jewelry, etc shop. Enough classes and students are needed to cover the lease.

Rockhound Rendezvous

Saturday June 17th, 2023, from 11am-2pm. Need help with setup the silent auctions and food tables. Troy will be asked to move the rendezvous to the top in the members' area. VGMS will provide the pulled pork that Dick White has volunteered to cook. Members should bring a dish to share, either an appetizer, side dish, dessert, or drinks. There will be an adult and pebble pup silent auctions and tailgating where members can sell rocks and other items.

Member meeting presentation

Before the presentation courtesy rules will be read.

Old Business

Board Member Duty Adhoc Committee

Celia Churchill will chair it and Erin Valenzuela has volunteered to be on the committee. They will go over the board position duties.

2024 CFMS/AFMS Show

Will be May 24-26, 2024. The poster entries will be emailed to the members to be voted on and the winner will be announced at the Rockhound Rendezvous. Jim and Diane will get together to put a packet together for the AFMS show in Billings, Montana on August 3-6, 2023. Jim will work with Pat LaRue and Colleen McGann on competitive and non-competitive forms.

Clubhouse Committee

Diane will have a zoom meeting with the committee soon to go over ideas and start a to-do list. David suggests working on an adhoc budget for a building, moving and rental expenses. We are not being booted out of Camp Comfort but soon, we need to move.

Officer - Committee Reports

1st VP – Programs: Terry Wilson

June program might be by the pebble pups. The presentation is up in the air. The July 19th member meeting will be a presentation by Tim Garvey.

2nd VP – Field Trips: David Springer

June 10th, 2023, is a trip for DeeDeeite at Avila Beach and biconoids on Hwy 46. July will be a museum trip with OGMS, TBD. David Springer will write an article on 'fee dig' field trips for the bulletin.

3rd VP – Show: Diane Cook

Showed the postcard for the 2024 VGMS show by Renee Jones. Diane will email the postcard to the show committee for proofing before ordering. A show meeting will be held before the next board meeting on July 6th.

Treasurer: Lauren Wideman

Not Present. VGMS made \$343 at the Gold Coast show on activities. T-shirts made \$170. Ways & Means made \$86 at the last members meeting.

Web Master: Troy Schmidt

Not Present. The website is current. Terry and Troy will get together to work on the CFMS/AFMS 2024 show website

Secretary: Nancy Brace-Thompson

Minutes were taken.

Membership: Erin Valenzuela

12 new adult members, 5 pebble pups and 1 junior. Erin Valenzuela made a motion to accept the new members after

they pay, David Springer seconded and were approved. 155 adult members, 42 Pebble Pups and 7 Juniors for a total of 204 members.

Federation Director: Jim Brace-Thompson

2023 No Host Show will be in Lodi on June 23-25, 2023.

Bulletin Editor: Celia Churchill

Thank you to everyone who wrote articles for the May bulletin. Articles are due June 10th. AFMS bulletin contest has eight of our members' entries earned top 10 placements.

Parliamentarian/Scholarship: Shirley Layton

Nothing to report.

Committee Reports

Pebble Pups: Lisa Batchelder-Hetrick/Erin Valenzuela

Working on getting pups to participate in the June members' meeting. Beatrice is looking to do the 'Reaching Across Generations' badge with an adult member. Working on the rest of the year pebble pup calendar.

Ways and Means: Adrian Ruiz and Jenifer Russell

Made \$83 at the last members' meeting

Museum: Troy Schmidt/Jim Brace-Thompson

Working on cleaning the museum back storage area.

Educational Outreach: Jim Brace-Thompson

Jim, with help from Lisa Batchelder-Hetrick, did the blue room group at the clubhouse. Jim did a presentation at Elmhurst elementary for 4th & 5th graders on Weds. 5/31/23. There are some summer representations the works. YMCA on August 11th.

Archivist/Historian: Jim Brace-Thompson

Jim will start putting the 'Blast from the Past' articles back in the Rockhound Ramblings.

Librarian: Heather Seaton

Not Present.

Stewards: John, Ron and David

Will discuss starting up the summer evening members workshops.

Next Board Meeting

The next board meeting will be on July 6th, 2023, with a show meeting before it.

Next Membership Meeting:

Wednesday, June 28th, 2023, at 7:30 p.m. in person at the Poinsettia Pavilion.

With no further business, President John Cook adjourned the meeting at 9:00pm.

Respectfully submitted on June 10th, 2023.

Nancy Brace-Thompson, Recording Secretary

VGMS HISTORY

A Blast From the Past: Better Wear that Name Badge!

Jim Brace-Thompson, Historian/Archivist

It's been a while since I've written up a "blast from the past" from our club archives, so it's high time I once again take shovel in hand and dig deep into our files and binders. If you attend our monthly meetings, you're aware a little gift is given to an attendee based on drawing numbers from a hat, but there's a catch. You have to be wearing your membership name badge to earn that gift. Think that's unfair? Well, now...let's step back 46 years to January 13th, 1977.

The following comes from the January Board Meeting as recorded in the March 1977 newsletter: "Motion made by Allie Buck and sec. by Florence S. to FINE the MEMBERS -25¢ if they are not wearing their Name-Badge, at the Meeting. Motion passes. The 25¢ will be collected at the entrance, you will have a chance to put it on there if you have it with you. New members just accepted will have the next month to order a badge from the memberchip

sic

secretary. They are \$3.50."

Apparently, this Board decision created a stir amongst members because it was still in the air at the April 12th Board Meeting, as recorded in the May newsletter: "The 25¢ jar at hospitality was discussed. If member is not wearing their badge, drop 25¢ in the jar. There might be a surprise GIFT for a member with a badge on, one of these days. MSC Ray Meisenheimer, Betty Mackey to continue with the 25¢ jar." It seems discontent continued to swell at this taxation without representation. "Why should we pay a fine," someone apparently quipped, "when there is no requirement to even have a name badge?" What? No requirement? We can fix that! Thus, as recorded in the minutes of the VGMS Regular Meeting for August 1977, to modify the obligations of membership, "A motion made to add to the by-laws in Article XI, Section 2 – Add at end of second sentence 'and is required to purchase a name badge'. MSC – Gertrude Marcus & Florence Schlinger." Schlinger, by the way, was a founding member back during the World War II years. Don't go messing with Schlinger! And so the 25¢ fine continued.

I haven't yet found any Board Meeting minutes to indicate this little fine was ever repealed. Certain states back East have

"blue laws" on the books (sometimes called "Sunday laws") dating back to colonial times and still in effect. Could this Name-Badge Fine be our very own VGMS blue law? And if so, what would that mean? I turned to a currency converter to see what 25¢ is worth today. It came up with \$1.27. If you don't have a VGMS name badge, better bring pocket change to our next meeting. I'll be at the door with the jar!



Got a name badge? Better wear it!

EDUCATIONAL OUTREACH

May Outreach Events

Jim Brace-Thompson, Educational Outreach Chair

After a madcap April, our educational outreach schedule for May proved a wee bit saner with just two events: a preschool field trip to our club museum and a classroom visit.

The Monica Ros Blue Room Visits Our Club Museum

Nancy Klimbal, teacher at the Monica Ros "Blue Room" preschool in Ojai, has long made a field trip pilgrimage to our museum rooms a part of her spring curriculum, interrupted only by the pandemic. So it was that Lisa Batchelder-Hetrick and I enjoyed yet another visit by Nancy, 17 eager young students, and an entourage of parents on May 19th. That was a lot of souls to squeeze into our little museum rooms, but we managed. At least all that body heat helped keep the rooms warm on an otherwise overcast and drizzly morning.



Checking out the bill of a duckbilled dino.

We began by gathering in the "Dino Room" to learn about California dinosaurs and Mesozoic marine reptiles, concluding with a blast (or two or three) of the "hadrosaur horn" after kids learned about their state dinosaur, *Augustynolophus morrisoni*, better known by her nickname "Auggie." Moving into the next room, kids learned about Ice Age California and their state fossil (the sabertooth cat, *Smilodon*) while also appreciating gems, crystals, and minerals. They especially liked the big chunk of drab gray rock composed of fluorescent minerals whose vibrant hidden colors were unleashed by the "Sorcerer's Magic Wand" (i.e., my pocket fluorescent flashlight).

From there, we moved to the front yard for a concluding lesson about volcanoes with a hands-on activity involving the rock-that-floats (pumice) and eruptions of a model volcano. Before leaving, everyone lined up to pick a free tumble-polished stone from our Pirate's Treasure Chest to drop into a Goodie Bag containing other rock and fossil gifts, coloring pages, and informational flyers. We gave Nancy a super-sized Goodie Bag with large teacher-sized specimens and additional handouts to use in the classroom. My sincere thanks to Lisa for helping

keep the kids' attention. It seemed like the Blue Room kids had a great time, which they continued as they crossed over to the playgrounds and picnic tables at Camp Comfort.



This is what makes educational outreach efforts all worthwhile.



The kids of the Monica Ros Blue Room posed before Martha Moran's Ice Age California mural.



Kids exhibit superhuman strength lifting boulders of pumice!

Elmhurst Students Learn Their State Symbols—and More! On May 31st, I packed up the truck and made a modest 2.5-mile trip for a classroom visit to Elmhurst Elementary School. There, I was greeted by Kendall Wightman, who was keyed into our educational outreach program by her friend and well-known VGMS celebrity Celia Churchill. Celia had told Kendall about the assembly we had given at Pierpont Elementary to introduce all 107 second and third graders to rockhounding in and around Ventura County. Fortunately, this time around I just had to face 32 students in Kendall's combined fourth/fifth grade class.



This tabletop display introduced Elmhurst students to state rocks and fossils and others found locally.

Per Kendall, fourth grade in particular is when students learn all about their home state of California, so I modified the Pierpont presentation to talk not just about rockhounding here at home but also about their state rock (serpentine), state mineral (gold), state gemstone (benitoite), state fossil (the saber-tooth cat *Smilodon*), and state dinosaur ("Auggie"), and how each came to be designated as such. I even threw in their state dirt (San Joaquin Valley soil) for good measure. They also learned the meaning of "lapidary arts" and saw what can be crafted from stones collected on their own home beaches. At the end, students came up in groups of six for hands-on interaction with specimens on display and to receive Goodie Bags with gift specimens and informational pamphlets. As teacher, Kendall received an especially big Goodie Bag with large teaching specimens and posters to share with future classes.

Are you at all interested in helping with educational outreach events like this but intimidated because you don't think your knowledge of rocks, minerals, and fossils is deep enough? Well, consider the first student interaction I faced at Elmhurst: "I have a question! I have a question!" Yes? "I like your shoes." Other than wearing nice shoes, just bone up on your state symbols (I have a pamphlet telling all about them) and before giving a presentation, search the web to learn answers to these frequently asked questions: What's the rarest mineral? What's the most valuable gem? How much is that benitoite worth? How much could you get if you sold a gold

nugget? What was the first rock you ever found, and was it valuable? If you don't know an answer, admit it and just turn it around: "Well, actually, I know benitoite is very rare, but I don't know the rarest mineral on Earth. Tell you what, why don't you Google that?" Education isn't about knowing all the answers but rather, encouraging exploration. Join the journey!



Elmhurst students explored California rocks, minerals, and fossils hands-on.



JUST FOR FUN

Pop Rocks!

Erin Valenzuela

In 1982 cartoonist Gary Larson published his Far Side comic strip— this particular cartoon showed caveman students in a lecture hall learning parts of a dinosaur. The caveman professor points at the cluster of spikes at the end of the *Stegosaurus* tail, and says this is called a “Thagomizer” in honor of the late Thag Simmons. Since the comic was published, the term “thagomizer” has been widely accepted and used as the informal name of the spikes by scientists, publications and even the Smithsonian!

Gary Larson famously objects to having his cartoons reprinted digitally, but you can still see a Fair Use version of his original panel on [Wikipedia](#).



The group of spikes at the end of the tail is the thagomizer. Photo by Dan121377, CC BY-SA 4.0

Here’s a fun Word Search – Check out the end of this newsletter for a printable version!

Shine Bright Like a Diamond

By Jenifer Russell

Locate the given words in the grid, running in one of eight possible directions horizontally, vertically, or diagonally.

- ALEXANDRITE
- AMETHYST
- AQUAMARINE
- CITRINE
- DIAMOND
- EMERALD
- GARNET
- MORGANITE
- OPAL
- PADPARASCHA
- RHODOLITE GARNET
- ROSE QUARTZ
- RUBY
- SAPPHIRE
- SPINEL
- TANZANITE
- TOPAZ
- TOURMALINE
- TSAVORITE GARNET
- ZIRCON

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E M K R E T I N A G R O M O Z A E Q T Y C K R
I N G Y F K Z K W A K I F C G P D T H A L R U
G V T O H X M D K G S W N R I B U Y D O L J A
R A H C L N B J L V K C X U L F K A I T W Q Y
L H G D K F I P R A H Z M V U F T D J H D S O
P C Z M T O U R M A L I N E Q O X N W I C B R
U S B D Y A K D I O I V W H D L F S B J A R K
G A M I K L X W Q M Z K F I Y S D G L B Q X P
T R J V L E Q H V S U D S T A V S I T S U L T
U A B N D G D L H F W R Y P X B J O R D A K P
I P H E V J I C W C B Y P F S J R S B L M A W
S D Q W E T A U Y O P H A S Y A F I D Y A O U
R A Y D A I M F H Z I X B N R Z J G M P R L H
H P K L U S O G B R K G L Y K O S K J R I U R
Y Z J G K Q N J E A T Y J V J R L Y L F N S J
A L W Z F E D C X W I F U E C I U K D P E I Q
O V B L J X O I B L O G Z P Y D G B A O H L Y
Z A P O T A Q Y S H P T G I M A K W Y X G D Z
P N F V D M H R K A C J U B R L H U J T S A M
J X K H G C T P F E Y M V W G C X B Q L N U S
Q S G Y T E N R A G X S N E M J O F K Z B I T
Y L O W I U F C I B A U K F A Y I N A E S X K
T A P O L K J Q K S P I G Y T M L H V Y F I A
I B A N V T O G L O S C R O S P I N E L P H N
F Z L D S M Z Y U P J L H R L J R X G O J S Q
U J M X U F P W G T B P S X K D B A E D W J X
T S A V O R I T E G A R N E T W K Q I R E T G
R D H K V N H A L E X A N D R I T E G X S N R
H O N J Y A J Z B M D V A N O B Z G Q Y F A I
O Y R K I S M I Y K Z H Y Q U H N U H K M B Y
D F Z L L G D X O H P C W H I S L T A N Q K E
O A S B Y N Q L R E O I E J C B E H D C T H D
L H E T B X T M G S L T P B F M X P O G O P L
I J O I A K K W Y D T R J T A G U O M L R X A
T R I R Q N H O U P C I A Z Y H L I Y S E J R
E Z V A F G Z B L N K N W E S O R Q V B P I E
G S T M J P I A X J I E Y D I G A T Z X U R M
A K X E U Q E G N T H V L C L A D G P S H F E
R O G Q P S H J O I J A R O S E Q U A R T Z J
N I W Z A D I H W N T K G G B X N J Y M Z V C
E F B N P L S A U Q Z E Y E F U O I Q I K U D
T A S Y D R V Y X G O S R T I P R C A J E B P

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PEBBLE PUPS

Spring Cleaning Lesson and Pollinator Garden Beauty

Lisa Batchelder-Hetrick, Pebble Pups Chair

This month the Pebble Pups and Junior Members learned how cleaning specimens the right way is important to the outcome. We also celebrated spring by supporting our garden pollinators with these beautiful rocks.

In the past few classes, we have learned about the Mohs Scale. This month we looked at chalcedony, which has a hardness of 7 on the Mohs Scale, and how to clean it. The first step is always to soak in water and dish soap. In the next step, we looked at how a simple acid helped in the cleaning process. Before class, the chalcedony was separated into three categories: dry, soaked in soapy water only, and soaked in soapy

water first then distilled vinegar. There were many tool options to choose from for the cleaning process including brushes, picks, and good old-fashioned elbow grease. The kids learned that the cleaning process takes time and effort. In today’s world with instant gratification everywhere, being patient is the name of the game to get beautiful results.

Next, we took on a fun project that celebrated the clean specimens, tapped into their creativity, and helped the pollinators in our gardens. Bees and butterflies need to drink water, but they need the right resting space to do that safely so they can rest and drink. We created a simple watering station with a plant saucer and our rocks. The saucer was prepped

with a sealant coat to keep the water in the dish. Then the kids decorated it with paint pens before a second sealant coat was added to protect their design. The last steps included adding their rocks and later adding water to the dish once they found the right spot for it in their garden.

This project was a lot of fun! The pollinators will appreciate the safe spot to rest, recharge, and get a drink. The kids liked a different way to display their specimens at home.



Recent Awards for VGMS Pups

A new Rock Star Congratulations to Elyssa for achieving her Rockstar pin! She has completed all 20 badges and has grown into a great helper in the junior program. We were lucky to celebrate her at our May class with her friends, family, and fellow Pups to cheer her on! I'm so glad Elyssa continued her dedication to the badge program and is now our third VGMS Rockstar in our club. Be on the lookout for more great things to come from Elyssa and more Rockstars in our club.

Volunteer Pins Earned from AFMS Congratulations to Elyssa and Rylee for earning the new Volunteer Pin from AFMS. It is a milestone, marking a junior's status as a member who can be relied on to take responsibility and care about others beyond himself. Elyssa and Rylee completed over 20 hours of volunteering for the club at various events and beyond. Their example of leadership and support for the club is an outstanding example of who they are as people and is a great example for the other kids in our program.



A big "Congrats" to Elyssa and Riley!

Kids! Get Challenged!

Jim Brace-Thompson

We continue emailing Pebble Pups and Junior Members a new Challenge every other week to help add specimens to their collections. Here are the most recent Challenges and those who successfully tackled them:

Celestine: Izzy, Gabby, Elizabeth, Connor, Colin, Grayson, Chloé, Bianca, Lucia, and Annabelle.

Amber: Colin, Grayson, Connor, Izzy, Gabby, Leon, Elizabeth, Annabelle, and Lucia.

To our winners, congratulations! To all Pebble Pups and Junior Members: take The Challenge to test your knowledge and your research skills while adding free mineral and fossil specimens to your collection in a way that's fun!

Following are responses to our most recent Challenges:

"So neat! We went to the Ohio website to check out the largest geode on Earth. So interesting! We say it's celestite?"
– Izzy and Gabby

"Connor has a few pieces of this from his 'fossil dig kits' – they, however, are only replicas of fossils encased in...AMBER! Amber is Connor's guess for this quiz!" – Connor



Recent Challenges included celestine crystals and amber.

Thank you!

Everyone who has helped make VGMS sparkle

Lisa Batchelder-Hetrick

Thank you to Lisa Batchelder-Hetrick for helping with a preschool field trip visit to our Museum rooms! –*Jim Brace-Thompson*

Janelle Thompson

Thank you to Janelle Thompson for sewing hundreds more grab bags to add to our Show supply. To be exact, 522 regular-sized bags plus 351 smalls for our Scavenger Hunt prizes. –*Jim Brace-Thompson*

David Walblom's Lapidary Tools & Supplies

Thank you to David Walblom's Lapidary Tools & Supplies for donating chalcopyrite for use with our educational outreach. –*Jim Brace-Thompson*

Dragon Minerals

Thank you to one of our vendors Dragon Minerals, Steve & Linda Hardinger – they donated several tubs of rocks, slabs and a box of quartz after the Gold Coast Gem Show was over. This was a very generous donation. Thank you Steve & Linda, on behalf of VGMS. –*Diane Cook*

Gold Coast Gem Show Helpers

I would like to extend my heartfelt gratitude to each and every one of you who generously contributed your time, effort, and expertise at the Ventura Gem & Mineral Society's booth during the Gold Coast Gem Show. Your dedication and support made our presence at the event truly remarkable. The Gold Coast Gem Show not only allowed us to engage with the community but also presented an invaluable chance for our members to step up and contribute to our shared vision. Your active participation in the booth not only showcased your passion and knowledge but also highlighted the strength of our society. Finally, thank you to all the VGMS members and friends that have supported the Gold Coast Gem Show – with everyone's support and help I have been able to get this show off the ground and make a success out of it. Thank you from the bottom of my heart! –*Diane Cook*

Celia and Erin

Thank you Celia and Erin for making the member database so we can all keep track of new members going forward! –*Lisa Batchelder-Hetrick*

Renee

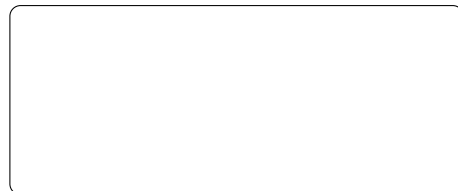
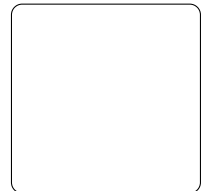
Thank you Renee for all your help with the Pebble Pups and Junior program! You always make the class run smoothly because you jump right in! –*Lisa Batchelder-Hetrick*

CALENDAR

June-July 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
18 June Happy Birthday, Lisa McFarlane!	19	20 Happy Birthday, Caelan F.!	21	22 Happy Birthday, John Cook!	23 Happy Birthday, Shirley Layton!	24 Happy Birthday, Eric Johnson!
25	26	27 Happy Birthday, Kathryn Davis!	28 Member Meeting, 7:30 p.m. at Poinsettia Pavilion	29	30	1 July
2 Certified Members' Workshop, 12-3 p.m.	3 Happy Birthday, Diane Cook and Celia Churchill!	4 Happy Birthday, Phyllis White!	5	6 Board Meeting, 7 p.m. Happy Birthday, Chris Churchill!	7	8 Happy Birthday, Abigail Landeros!
9	10	11	12 Summer Nights Workshop, 5-8 p.m.	13 Happy Birthday, Timothy Ceniceros and Ismael Sanchez!	14	15 Rockhound Rendezvous, 11 a.m. - 2 p.m.
16	17 WOW! Happy Birthday Monica Blackburn, Beatrice B., Alexandra San Filippo, and Therese Stover!	18	19 NEW DATE Member Meeting, 7:30 p.m. at Poinsettia Pavilion Happy Birthday, Janelle Thompson!	20	21	22

Celia Churchill
 Editor, Rockhound Rambling
 Ventura Gem & Mineral Society
 P.O. Box 1573, Ventura, CA
 93002



Shine Bright Like a Diamond

By Jenifer Russell

Locate the given words in the grid, running in one of eight possible directions horizontally, vertically, or diagonally.

ALEXANDRITE

AMETHYST

AQUAMARINE

CITRINE

DIAMOND

EMERALD

GARNET

MORGANITE

OPAL

PADPARASCHA

RHODOLITE GARNET

ROSE QUARTZ

RUBY

SAPPHIRE

SPINEL

TANZANITE

TOPAZ

TOURMALINE

TSAVORITE GARNET

ZIRCON

E M K R E T I N A G R O M O Z A E Q T Y C K R
I N G Y F K Z K W A K I F C G P D T H A L R U
G V T O H X M D K G S W N R I B U Y D O L J A
R A H C L N B J L V K C X U L F K A I T W Q Y
L H G D K F I P R A H Z M V U F T D J H D S O
P C Z M T O U R M A L I N E Q O X N W I C B R
U S B D Y A K D I O I V W H D L F S B J A R K
G A M I K L X W Q M Z K F I Y S D G L B Q X P
T R J V L E Q H V S U D S T A V S I T S U L T
U A B N D G D L H F W R Y P X B J O R D A K P
I P H E V J I C W C B Y P F S J R S B L M A W
S D Q W E T A U Y O P H A S Y A F I D Y A O U
R A Y D A I M F H Z I X B N R Z J G M P R L H
H P K L U S O G B R K G L Y K O S K J R I U R
Y Z J G K Q N J E A T Y J V J R L Y L F N S J
A L W Z F E D C X W I F U E C I U K D P E I Q
O V B L J X O I B L O G Z P Y D G B A O H L Y
Z A P O T A Q Y S H P T G I M A K W Y X G D Z
P N F V D M H R K A C J U B R L H U J T S A M
J X K H G C T P F E Y M V W G C X B Q L N U S
Q S G Y T E N R A G X S N E M J O F K Z B I T
Y L O W I U F C I B A U K F A Y I N A E S X K
T A P O L K J Q K S P I G Y T M L H V Y F I A
I B A N V T O G L O S C R O S P I N E L P H N
F Z L D S M Z Y U P J L H R L J R X G O J S Q
U J M X U F P W G T B P S X K D B A E D W J X
T S A V O R I T E G A R N E T W K Q I R E T G
R D H K V N H A L E X A N D R I T E G X S N R
H O N J Y A J Z B M D V A N O B Z G Q Y F A I
O Y R K I S M I Y K Z H Y Q U H N U H K M B Y
D F Z L L G D X O H P C W H I S L T A N Q K E
O A S B Y N Q L R E O I E J C B E H D C T H D
L H E T B X T M G S L T P B F M X P O G O P L
I J O I A K K W Y D T R J T A G U Q M L R X A
T R I R Q N H O U P C I A Z Y H L I Y S E J R
E Z V A F G Z B L N K N W E S O R Q V B P I E
G S T M J P I A X J I E Y D I G A T Z X U R M
A K X E U Q E G N T H V L C L A D G P S H F E
R O G Q P S H J O I J A R O S E Q U A R T Z J
N I W Z A D I H W N T K G G B X N J Y M Z V C
E F B N P L S A U Q Z E Y E F U O I Q I K U D
T A S Y D R V Y X G O S R T I P R C A J E B P