

Lake George Gem & Mineral Club

# Club News, January, 2024



Our next meeting will be at 10AM January 13 at the Lake George Charter School. Reminder: Dues are now due for 2024. You can pay online, by mail, or in person at a meeting through March 31.

**The December meeting was canceled because of bad weather. So, for January, we will have**

## **our Annual Election and Towel Show/Social**

We ask members to bring some jewelry, fossils, or minerals that they would like to “share” with other members. Items to show off must fit on a bath-sized towel (hence the name “towel show”). You are also invited to bring any specimens that you have not been able to identify. During the business meeting, we will elect officers for 2024. Nominations from the floor are invited, but nominees must be present.

**The Club will furnish light refreshments.**

↘↘ At our February meeting, **Bob Carnein** will talk about “*Cripple Creek Eye Candy*”, a short version of a talk he gave last year for the Cripple Creek District Museum on the minerals of the Cripple Creek district. If you came to the November meeting for **Dale Hernandez’s** excellent update about the geology and gold production at Cripple Creek, this talk will introduce you to the actual minerals that occur there. Over 120 minerals are currently known from the deposit, and Bob will show specimens and photos of some of the more exotic ones that you might not be aware of. Specimens from Bob’s extensive collection and photos from other collections will make this a valuable supplement to the October talk.

↘↘ **Markus Raschke** will give a talk (not yet scheduled, but probably this spring) on his adventures tracking down a world-class scheelite-beryl-cassiterite deposit in the Tibetan Plateau.

**PLEASE CONSIDER VOLUNTEERING TO LEAD A CLASS OR TRIP** for the **Pebble Pups** program. We had a great turn-out (considering the weather) of 6 Pebble Pups/Earth-Science Scholars at the December meeting, which covered the Basics of Crystals. Here is the schedule for the rest of the year:

- January: Fossils and Dinosaurs
- February: Quartz and Feldspars
- March: Rock Types and the Rock Cycle

- April: Landforms of the U.S.
- May: Erosion and Sedimentation

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↘ **ADDITIONAL COMING EVENTS OUTSIDE THE LGGM CLUB:** (Nearby gem, mineral, fossil, and geology events that you may enjoy.) Go to each club's website for more information.

- **Cañon City Geology Club** meets on the 2<sup>nd</sup> Monday of the month at 6PM in the United Methodist Church, Cañon City
- **Columbine Gem & Mineral Society**, meets on the 2<sup>nd</sup> Thursday of each month, 6:30PM in the meeting room, Mt. Shavano Manor, 525 W. 16<sup>th</sup> (at J St.), Salida
- **Colorado Springs Mineralogical Society**, meets on the 3<sup>rd</sup> Thursday of each month at 7PM in the Mt. Carmel Veteran's Service Center, 530 Communication Circle, Colorado Springs;
- **Pueblo Rockhounds**, meets on the 3<sup>rd</sup> Thursday of each month at 6:30PM in the Westminster Presbyterian Church, 10 University Circle, Pueblo.

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↘ Tucson is warming up for this year's show extravaganza. Here are a few of the venues:



RMGM TUCSON MINERAL & FOSSIL SHOW ORACLE ROAD EARLY OPENING  
 3 WHOLESALE DEALERS - JANUARY 10 - FEBRUARY 4, 2024 (METAL BLDG.)  
 JEANNE'S ROCK SHOP - JANUARY 20 - FEBRUARY 10, 2024 (MIRACLE BREEZE BLDG.)  
 OPEN DAILY 10 AM - 6 PM AT 1920 N. ORACLE RD. TUCSON, AZ 85705



JOIN US FOR THE RMGM TUCSON MINERAL & FOSSIL SHOW ORACLE ROAD TENT SHOW  
 JANUARY 26 - FEBRUARY 10, 2024  
 FREE & OPEN TO THE PUBLIC 10 AM - 6 PM DAILY, FEB. 10TH, 10 AM - 4 PM



RMGM Tucson Mineral & Fossil Show Oracle Road (Tent Show)  
**JANUARY 26 - FEBRUARY 10, 2024**  
 Free & Open to the Public 10 am - 6 pm daily, Feb. 10th, 10 am - 4 pm  
 1920 N. Oracle Rd. Tucson, AZ 85705



The Crystal Club  
 Wendy DeLano, Zubin Chikara  
 Elizabeth & Mineral Experts  
 Helen Gotsmanian

JOIN US FOR THE EARLY OPENING WHOLESALE & SUPPLY SHOW  
 MINERAL SUPPLIES (JEANNE'S ROCK SHOP) JAN. 20-FEB. 10, 2024 (MIRACLE BREEZE BLDG.)  
 3 WHOLESALE DEALERS, JAN. 20-FEB. 4, 2024 (METAL BLDG.)



👇 Thanks to **Pete Modreski** for the following list of upcoming events:  
 Coming Earth Science Events,

**Thurs., Jan. 18**, 7:00 p.m., social time 6:30, The U.S. Geological Survey National Seismic Hazard Model, by Allison M. Shumway, USGS. Colorado Scientific Society monthly meeting, at Cavalry Church, Golden, All are welcome; live and via zoom.

**Thurs.-Sun., Feb. 8-11**, Tucson Gem and Mineral Show, at the Tucson Convention Center. These are the dates of the original, "main" show, sponsored by the Tucson Gem and Mineral Society; many other shows also take place in Tucson at multiple locations during the previous several weeks.

**Fri.-Sat.-Sun., Feb. 23-25**, Denver Gem and Mineral Guild, Gem and Mineral Show, 10-5 Fri. & Sat., 10-4 Sun., Jefferson County Fairgrounds, Exhibit Hall, 15200 W. 6th Ave., Golden. No admission charge. Dealers, club demonstrations, special exhibits, fluorescent display, door prizes, and more.

**Fri.-Sun., March 22-24**, Fort Collins Gem and Mineral Show, 4-8 p.m. Fri., 9-6 Sat., 10-4 Sun., at The Ranch/Larimer County Fairgrounds, Thomas M. McKee 4-H Building; the Fort

Collins Rockhounds Club, 61 st annual show.

**Fri.-Sun., April 12-14**, Colorado Mineral and Fossil Spring Show, Crowne Plaza DIA, 15500 E 40 th Ave., Denver CO 80239. No admission charge.

**Sat., May 4**, 12:00-3:00 p.m., Colorado Mineral Society Silent Auction, held at Wheat Ridge United Methodist Church, Exhibition Hall, 7530 W. 38 th Ave. (just east of Wadsworth). All are welcome to attend, and to bring specimens to sell in the auction (minimum donation of 20% of selling price to the club). Setup begins at 11 a.m.; there will be a vocal auction as well as silent auction tables.

**Sat., May 18**, 12:00-3:00 p.m., Colorado Chapter, Friends of Mineralogy Silent Auction, held at Wheat Ridge United Methodist Church, Exhibition Hall, 7530 W. 38 th Ave. (just east of Wadsworth). All are welcome to attend, and to bring specimens to sell in the auction (minimum donation of 20% of selling price to the club). Setup begins at 11 a.m.; there will be a vocal auction as well as silent auction tables.

**Fri.-Sun., June 7-9**, Pikes Peak Gem and Mineral Show, at the Norris Penrose Event Center, 1045 Lower Gold Camp Road, Colorado Springs, sponsored by the Colorado Springs Mineralogical Society. Fri. 12-7 p.m., Sat. 10-5, Sun. 10-4.

**Thurs.-Sun., June 13-17**, A Mineralogical Symposium, sponsored by the Colorado Chapter, Friends of Mineralogy: Mineral Oddities: Pseudomorphs, Twinning, Inclusions, and more. The dates and preliminary plans for this symposium have just been decided upon and announced. It will include lectures, an evening reception at the Colorado School of Mines Museum, field trips, and a Mineral Photography workshop conducted by Jeff Scovil. The lecture sessions will take place in Berthoud Hall, CSM campus. All interested persons will be welcome to register to attend. For more information about the symposium as it becomes available please see the FMCC website, <https://friendsofmineralogycolorado.org/>

**Thurs.-Sun., July 25-28**, Fairplay Gem, Mineral, and Jewelry Show; Platte Drive, ½ mile west of US-285, Fairplay, CO; free admission and parking.

**Thurs.-Sun., Aug. 8-11**, Buena Vista Contin-Tail Gem, Mineral, and Fossil Show, Buena Vista Rodeo Grounds; free admission and parking.  
**Thurs.-Sun., Aug. 15-18**, Woodland Park Gem & Mineral Show; located outdoors off US-24; free admission and parking.

**Thurs.-Sun., Aug. 16-18**, Lake George Gem & Mineral Show; located outdoors off US-24; free admission and parking. Sponsored by the Lake George Gem & Mineral Club.

**Thurs.-Sun., Sept. 12-15**, Denver Gem and Mineral Show, part of the Hardrock Summit Show, and cosponsored by the nonprofit Greater Denver Area Gem and Mineral Council, an association of 7 Front Range area gem, mineral, and fossil clubs. In 2024 this will be held at the Westin Westminster Hotel, 10600 Westminster Blvd., Westminster CO. The show includes museum displays, club booths and demonstrations including free mineral and gem identification, and sale of grab bags for kids that goes toward a scholarship fund at Colorado School of Mines. Free admission and parking.

Several other gem, mineral, and jewelry shows will take place in Denver during the week preceding the "Denver Show". These include:

**Fri.-Mon., Sept. 5-8**, Just Minerals and Crystals Event Denver, Denver Airport Marriott at Gateway Park, 16455 E. 40 th Circle, Aurora CO. Free parking & admission.

**Lake George Gem & Mineral Club**

**January, 2024**

↘↘ **Carol Kinate** reports that postcards advertising our show next August will be available at the January meeting.

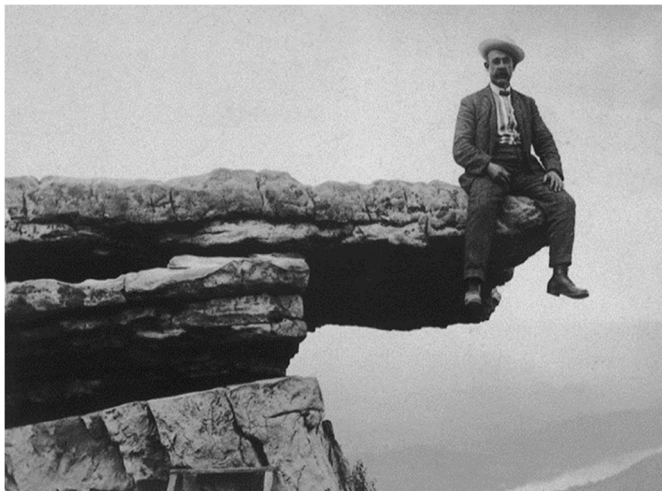
↘↘ From Rock&Gem: an article about a “Renaissance” in lapidary arts:  
[https://www.rockngem.com/exploring-a-lapidary-renaissance/?fref=7d68f65b-df3a-4aa6-878d-fd5b70f569a3&em=Y2Nhcm5laW5AZ21haWwuY29t&utm\\_campaign=RnG+Weekly+Dec+21\\_2023](https://www.rockngem.com/exploring-a-lapidary-renaissance/?fref=7d68f65b-df3a-4aa6-878d-fd5b70f569a3&em=Y2Nhcm5laW5AZ21haWwuY29t&utm_campaign=RnG+Weekly+Dec+21_2023)

↘↘ Wayne Orlowski sent this link to an article about Earth’s “twin” and the origin of the Moon:  
[https://www.atlasobscura.com/articles/column-earth-moon-collision-theia?utm\\_source=Atlas+Obscura+Daily+Newsletter&utm\\_campaign=6de88d48bc-EMAIL\\_CAMPAIGN\\_2023\\_12\\_18\\_Columns&utm\\_medium=email&utm\\_term=0\\_-6de88d48bc-\[LIST\\_EMAIL\\_ID\]&mc\\_cid=6de88d48bc&mc\\_eid=4c09dd6067](https://www.atlasobscura.com/articles/column-earth-moon-collision-theia?utm_source=Atlas+Obscura+Daily+Newsletter&utm_campaign=6de88d48bc-EMAIL_CAMPAIGN_2023_12_18_Columns&utm_medium=email&utm_term=0_-6de88d48bc-[LIST_EMAIL_ID]&mc_cid=6de88d48bc&mc_eid=4c09dd6067)

↘↘ Rock Seeker has an article about the purple/green “grape amethyst” that you’ve probably seen at shows:  
[https://rockseeker.com/grape-agate/?ck\\_subscriber\\_id=1874913717&utm\\_source=convertkit&utm\\_medium=email&utm\\_campaign=%E2%9B%8F%EF%B8%8F+Grape+Agate%3A+A+relatively+new+player+in+the+mineral+world%20-%2012648108](https://rockseeker.com/grape-agate/?ck_subscriber_id=1874913717&utm_source=convertkit&utm_medium=email&utm_campaign=%E2%9B%8F%EF%B8%8F+Grape+Agate%3A+A+relatively+new+player+in+the+mineral+world%20-%2012648108)

↘↘ ...and this article about a Colorado favorite: aquamarine...  
[https://rockseeker.com/aquamarine/?ck\\_subscriber\\_id=1874913717&utm\\_source=convertkit&utm\\_medium=email&utm\\_campaign=%E2%9B%8F%EF%B8%8F+Sky-Blue+Wonders%3A+Aquamarine%20-%2012634330](https://rockseeker.com/aquamarine/?ck_subscriber_id=1874913717&utm_source=convertkit&utm_medium=email&utm_campaign=%E2%9B%8F%EF%B8%8F+Sky-Blue+Wonders%3A+Aquamarine%20-%2012634330)

↘↘ ...and another about “dragon stones” (septarian nodules)...  
[https://rockseeker.com/septarian-nodules/?ck\\_subscriber\\_id=1874913717&utm\\_source=convertkit&utm\\_medium=email&utm\\_campaign=%E2%9B%8F%EF%B8%8F+Septarian+Nodules%3A+Concretions+with+class%20-%2012514582](https://rockseeker.com/septarian-nodules/?ck_subscriber_id=1874913717&utm_source=convertkit&utm_medium=email&utm_campaign=%E2%9B%8F%EF%B8%8F+Septarian+Nodules%3A+Concretions+with+class%20-%2012514582)



## Notes from the Editor

Bob Carnein

Newsletter Editor

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We are still looking for a new Newsletter Editor. If you enjoy writing and helping others contribute to the Club, please email an officer and volunteer! We’ll help you get started.

**Lake George Gem & Mineral Club**

**January, 2024**

## Monthly Mineral Quiz

The Monthly Mineral for December (Carnein photos and collection)



The monthly mineral for January is pretty nondescript but relatively common. It only rarely occurs in decent crystals, so many collectors ignore it. But, it's common in areas of contact metamorphism, where impure (siliceous) limestone or dolostone is intruded by igneous rock (e.g., the Gold City claims in Park Co.). It was named for an important chemist and mineralogist who invented the reflecting goniometer and the camera lucida, as well as discovering 2 platinum-group metals. This mineral has a H of 4 ½ to 5, SG of about 2.9, and has several intersecting cleavage directions. It's commonly light colored, as in the photographs, and may be confused with several other common Ca-rich minerals (it isn't tremolite). Name this common but often overlooked mineral.

**Last Month's Mineral: Almandine**



Almandine,  $\text{Fe}_3\text{Al}_2\text{Si}_3\text{O}_{12}$ , is the most abundant member of the garnet group. It occurs in medium-grade metamorphic rocks (schist, gneiss) and in pegmatites, as well as the "heavies" in sediments (e.g. in sand). Crystals like the one pictured are relatively common; this one came from Alaska and includes faces of the rhombic dodecahedron (diamond shaped) and the trapezohedron. These are both isometric forms. You may have collected small versions from a locality near Cañon City. Almandine is usually too dark in color (because of the iron in the formula) to be used as a gemstone, but it is sometimes mined for abrasives ("garnet paper").



**The Lake George Gem and Mineral Club** is a group of people interested in rocks and minerals, fossils, geology and history of the Pikes Peak/South Park area, Indian artifacts, and the great outdoors. The Club's informational programs and field trips provide opportunities to learn about Earth science, rocks and minerals, lapidary work and jewelry making, and to share information and experiences with other members. Guests are welcome to attend, to see what we are about!

The Club is geared primarily to amateur collectors and artisans, with programs of interest both to beginners and serious amateurs. The Club normally meets on the second Saturday of each month at the Lake George Community Center, located on the north side of US Highway 24 on the east edge of town, sharing a building with the county highway shops. **In the winter, we meet at 10:00AM. From April through September, we meet at 9:00AM, to allow more time for our field trips.**

Our organization is incorporated under Colorado law as a nonprofit educational organization, and is a member of the Colorado, Rocky Mountain, and American Federations of Mineralogical Societies. We also sponsor an annual Gem and Mineral Show at Lake George, where collectors and others may purchase or sell rocks, minerals, fossils, gems, or jewelry. Annual membership dues (Jan. 1 through Dec. 31) are \$15.00 for an individual (18 and over), and \$25.00 for a family (parents plus dependents under age 18). New memberships and renewals are only accepted Jan 1 through March 31 each year.

### **Our Officers for 2023 are:**

**Richard Kawamoto**, President  
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