

Club News,
September, 2022



(Mindat.org)

The September meeting of the LGGMClub will return to the Lake George Charter School, on Sept. 10, 2022. After a short business meeting, member Bob Carnein will present a talk titled “Where Do Geodes Come From”. See description below:

“Geodes are a big favorite among mineral collectors of all ages. Although quartz and calcite are especially common, geodes may contain dozens of other minerals, as well. Join Bob Carnein (speaker and your Newsletter Editor) and President Richard Kawamoto (who will man the geode crackolator) for a fun program about these ubiquitous geological oddities.”

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Scheduled Programs at Club Meetings:

The Club currently has no program coordinator. If this is a job that appeals to you, please consider volunteering to do this.

- **Oct. 8: Mark Jacobson, “The Crystal Peak Amazonite-Smoky Quartz Locality, Teller and Park Counties, Colorado (1873-1986)”** Mark is working on a major book about the history of mineral collecting in this area. You won't want to miss his talk! Watch the October newsletter for details!
- We will return to the **silent auction** in September. Who knows, you may win a geode or a specimen for your fluorescent collection. Bring cash and bid high for Club projects!
- **Election of officers** has been postponed. Please contact one of the current officers (listed at the end of this newsletter) if you would consider running for a 2023 office.
- **Carol Kinate** sent the following note about the show:

MESSAGE from your Annual Show Chair - Our 2022 Annual Show was a success due to a **major** team effort. My thanks go to Richard Kawamoto, John Rakowski, Robert and Jerry Crossland, Sharon Holte, Friend of John's (Mowing), Betty Merchant/Pebble Pups, Darlene Cotton **AND** to all the Club members who manned the Parking, Club Host Tent, Kids Activities and the Show set-up/tear down. Also, a BIG thank you to everyone who provided me with rocks for the Kids Activities. **EACH OF YOU** made our show a great success. **THANK YOU!**
--Carol Kinate, Show Chair

• **Dave Alexander sent this info about field trips:**

We have volunteer opportunities available for the following, contact me dave@davealex.com or 303.641.5567:

1) Field Trip Leaders. If you are interested in leading trips, now is a great time; we will pair you up with an experienced leader on a trip you'd like to go on. It's really simple, and necessary to support the health of the club!

2) Field Trip Event Coordinators. We need several more people that would be interested in coordinating field trips (you can choose to lead them too, or find another leader if that doesn't interest you). This includes working with the coordinator team to ensure we have access (talking to claim owner, mine owner, and sometimes prospecting) and setting up the events on our field-trip site. This role is important to keep our robust events schedule healthy for all club members!

ADDITIONAL COMING EVENTS OUTSIDE THE LGGM CLUB: (Nearby gem, mineral, fossil, and geology events that you may enjoy.)

- **Cañon City Geology Club**, meets on the 2nd Monday of the month at 6PM in the United Methodist Church, Cañon City
- **Columbine Gem & Mineral Society**, meets on the 2nd Thursday of each month, 6:30PM in the meeting room, Mt. Shavano Manor, 525 W. 16th (at J St.), Salida
- **Colorado Springs Mineralogical Society**, meets on the 3rd Thursday of each month at 7PM in the Mt. Carmel Veteran's Service Center, 530 Communication Circle, Colorado Springs;
- **Pueblo Rockhounds**, meets on the 3rd Thursday of each month at 6:30PM in the Westminster Presbyterian Church, 10 University Circle, Pueblo.
- **It's that time of year again—the Denver extravaganza. If you haven't experienced the Denver shows (there are at least a half dozen different ones), it's well worth a visit!**

*Amazonite and Smoky Quartz
Smoky Hawk Claim, Colorado
Photo courtesy of Joseph Dorris
Photo by T Spann
21 cm*

*Sphenodiscus pleurisepta Conrad
(colled ammonite)
Late Cretaceous Period: 70 mya
Lower Fox Hill Formation
Colorado Springs, CO
Collected by Jack Null
Photo by Nancy Kimber*

Join Us
for the 54th Annual
DENVER GEM & MINERAL SHOW

in our New Location at the
Colorado Convention Center
700 14th St, Denver, CO 80202

September 8 - 11, 2022

Hours: Thur to Sat 9am-5pm, Sun 9am-3pm

For tickets and information, visit
denvermineralshow.com and
hardrocksummit.com/tickets
(ticket price includes all Hardrock Summit Shows)

- Dealers
- Fabulous Exhibits
- Speakers
- Gold Panning
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- Fluorescent Room
- Educational Booths
- Door Prizes
- Grab Bags

- Here's a new poem from **Steve Veatch**:

Underground

By Steven Wade Veatch

Thunderstorms batter the sky.
The porch shakes while lightning wages war.
Black and purple mix like a bruise.
Wind whirls through the aspens.
Icy rain soaks the ground—
wet soil and decaying leaves
smell like an underground mine.
Dank scents bring memories
with annotations. My thoughts spin
then strike the borderland of my memories,
breaking through to a place
of shafts, dimly lit voids, and ore carts.

My great grandfather trudges
through confining spaces, groaning timbers,
dripping water, and rusting rails.
Muddy places smear his clothes with grime.
His pick bounces off rocks again and again.
Booming blasts fill the drifts with acrid
smells. A taste of sulfur lingers.

I see him reach down and scoop
up a handful of gold ore,
he lets it fall through his fingers,
and tells me how to live.
So much to remember.
I should have listened more,
but I am far away.

The blackness swallows
the flickering light of his candle
and his face recedes from view.
His words flood my mind—
a generational reckoning—
part of my ritual of becoming.
I carry some stories, like blaring bells,
others I have lost.

In me, these inheritances manifest:
a lifelong journey toward a glittering
horizon, but I never get there.
I should have listened more,
and now my time is gone.



Elkton mine, Cripple Creek Mining District. The author's great grandfather worked in this mine for over two decades. Photo date 1894, courtesy of the Cripple Creek District Museum.

- Many thanks to **Frank Rosenberg**, who sent some photos and comments from the July lapidary demonstration at the Pikes Peak Historical Society Museum:

In July, a group of members got together to demonstrate the use of our lapidary equipment and give other members a chance to experience the enjoyment of cutting and polishing their mineral specimens.







- Frank also took photos of some of the dealers and helpers at our August annual show. We thought **Bob Carnein** got pictures of **Sharon Holte**, **Carol Kinate**, and **John Rakowski**, without whom the show would not have occurred. Our apologies that those shots are missing.









- You may remember **Bob Baker's** article a few months ago about finding a dinosaur bone while camping in Utah. Bob sent this update: **DINOSAUR BONE UPDATE.** The 5-ft. dinosaur leg bone that Leesa and Bob Baker discovered in Utah has been excavated and preserved by Utah paleontologists and will be displayed next year at the **Jurassic National Monument** at the **Cleveland-Lloyd Quarry**. The quarry, located in east – central Utah, has a Visitor Center, an educational trail, and covered quarry where excavations are ongoing.

Wayne Orłowski has returned from a Norway adventure and sent some interesting links:

- This image has been around the internet a few times but still amazing to look at. Watch a video of a surface landslide in Japan - https://www.youtube.com/watch?v=xsXQBnZ_xjl

Short posting with a seismic section included showing rotated blocks interpreted to be a submarine slide interval. Salt may be involved in the disruption.

https://offtheshelfedge.wordpress.com/2015/02/01/submarine-landslide-deposits-a-spectacular-outcrop-example-from-japan/?fbclid=IwAR3HxlvY-Jx9mgMmv1EfKYp7iXdQ0kV-DQR_A8JX8mkM8oPw52mKJG2sQcA

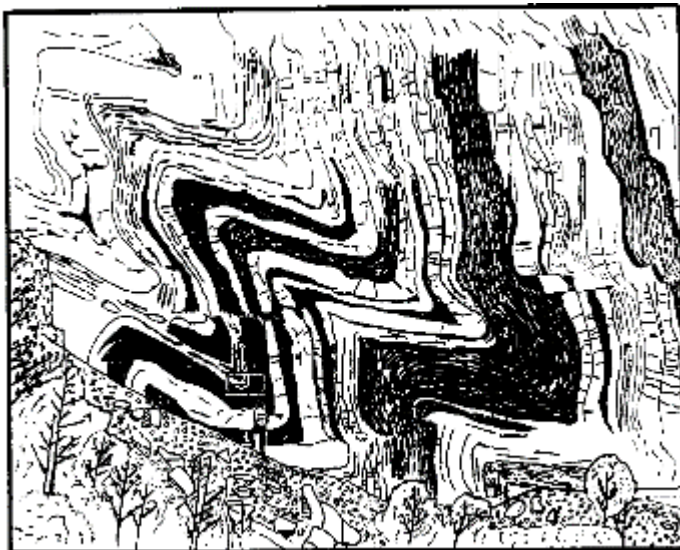


- A dangerous glacier grows within Mt. St. Helens's crater: From first snow flake to glacier of today and lahar of tomorrow.

<https://www.youtube.com/watch?v=L2ivl-WIunc>

- Here's some information about a famous Arizona landmark:

<https://geoinfo.nmt.edu/tour/landmarks/shiprock/home.html?fbclid=IwAR2RmZrYtxepyhU4V3G0ORZ5d98tlkAOkXIOkShmaiBJeBwjhG-DXAuRxYA>



Field sketch of two series of kink folds exposed in a quarry within the Tuscarora Formation. Two fault

- **Kink folds, Tuscarora Fm., quarry exposure, central Pennsylvania**

This formation is a beach/platform deposit, about 440M years old. The light layers are sandstone, darker layers are shale. These rocks were deformed and uplifted during the Alleghenian Orogeny, about 300M years ago. The prominent kink band (upper left to lower middle) formed at that time. On the right half of the photo, several faults can be seen, nearly horizontal, with slight left-ward displacement on the upper sides. Field sketch shows a quarry exposure in central Pennsylvania.

(Semantic Scholar)

- Here is the latest installment of “**Bench Tips**” by **Brad Smith**: (www.BradSmithJewelry.com)

Sorry: No bench tips were received this month.



Notes from the Editor

Bob Carnein

Newsletter Editor

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Monthly Mineral Quiz

The Monthly Mineral for September (Carnein photos and collection) (Specimens from China, Mexico, and Germany from left to right)



The mineral for September is another of those hundreds of collector favorites found in the oxidized zones (above the water table) of many mixed sulfide (Cu, Pb, Zn) deposits. Its composition is somewhat variable—it grades into another mineral with similar properties. The September mineral nearly always occurs as well formed hexagonal crystals, ranging from stout prisms to fine needles. Green is the typical color, but various other hues are common. Physical properties include high SG (about 7); low hardness (3 ½-4); opaque to transparent diaphaneity; irregular fracture; and subvitreous to greasy luster. Eckel lists a dozen Colorado localities, including Leadville (that’s a hint!); Mindat (accessed August, 2022) lists nearly 3 dozen. My home state used to be known for some of the world’s finest specimens, but it was long ago supplanted by China and other countries. What is this attractive mineral?

Last Month's Mineral: Talc, $Mg_3Si_4O_{10}(OH)_2$.



Talc is best known to collectors as the softest member of the Mohs hardness scale. It's easily identified by its low hardness, micaceous cleavage, "slippery" feel, pearly luster, average SG, and generally light color. It only rarely occurs as well formed crystals; fine grained aggregates are known as soapstone (steatite). The talc-pyrophyllite series shows minor gradation in composition from magnesium silicate to aluminum silicate. Normally, talc occurs in foliated masses in metamorphic rocks associated with carbonate minerals. Some of the best commercial deposits are found in obduction zones, where massive olivine has been metamorphosed and altered.

Eckel, E.B., 1997, *Minerals of Colorado, Updated and Revised by R.R. Cobban, et al.*: Golden, Colorado, Fulcrum Publishing.

A.S. Shows Presents

2022 Denver Expo Gem Show

Industry Anchors include:

NATIONAL WESTERN

4655 Humbolt Street
Denver, CO. 80216
9/9/22 - 9/18/22

Proud to partner with
Eons Expo, in making the
Gem Shows at the
National Western
Complex the biggest and
best in Denver!



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Quasar Gems & Jewelry
Rosman Co.
Michal & Company
Tex Mex
Peru Minerals
Shop 4 Gifts
Sunwest Silver
Ampac Int.
Rainbow Gems
Bug House
Moroccan Minerals
<Rachid & Azizi>
Art of Decor / Rare Earth Gallery


- Over 230 Vendors

Tucson 2023
Kino Gem & Mineral Show
January 26th - February 12th
2500 E. Ajo Way
Tucson, AZ 85713
KinoGemShow.com



AS-Shows.com



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 October, 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 2022 are:

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