



Founded in 1882, the objective of the Society is to promote the knowledge and understanding of Earth science, and its application to human needs. Samuel Franklin Emmons, 1841-1911, was “Geologist in Charge” of the Colorado Division of the U.S. Geological Survey when it was established in 1879 and was the first president of the Society.

## November 2023 Colorado Scientific Society Newsletter

All interested persons are always welcome to come to attend any of our regular monthly meetings, usually held (subject to revision) on the 3<sup>rd</sup> Thursday evening of the month, September through May, in the Community Room, Calvary Church Golden, 906 14<sup>th</sup> St., Golden CO. Social time before the meeting begins at 6:30 p.m., program at 7:00.

And if you wish to join CSS (we hope you will!), or renew your membership, just see our website, <https://coloscisoc.org>.

Here is info about our upcoming events this fall:

Please remember that updated and detailed info about all our current & coming events will always be posted on our website.

**Thurs., Nov. 16, 7:00 p.m., Colorado Scientific Society November meeting, Colorado Rock Glaciers: Local nuances in geomorphology related to rock glacier growth and processes, and the greater climate signals derived from them,** by Bob Anderson, Univ. of Colorado. [The CSS’ previously scheduled talk, Colorado Structural Evolution, by Lonny Abbot, had to be postponed; we hope to have it given sometime in 2024. The meeting will be in-person meeting at Calvary Church, Golden, and also available via Zoom; see <https://coloscisoc.org>/

**Thurs. Dec. 14, 6:00 p.m. CSS Annual meeting, potluck dinner, and Presidential address** by Cal Ruleman, USGS, at New Terrain Brewing Co., 16401 Table Mountain Parkway, Golden:

**Neogene Tectonomagmatic Fragmentation and Middle Pleistocene Glaciofluvial Integration of North American River Systems: New Chronologies Reveal Elusive Neotectonics, Profound Unconformities, and the Reality of Fascinating Landscapes and Amazing Geologic Processes.**

If you’d like a shorter title, here it is: “**The Central City Gravels and Regional Revelations**”! Details and exact times about the meeting and potluck will follow in our December newsletter and on our website.

**Thurs., Jan. 18, 7:00 p.m., The USGS National Seismic Hazard Model,** by Allison M. Shumway, U.S. Geological Survey. Calvary Church, Golden.

Planned meeting dates for the rest of the year:

**Feb. 15, Mar. 20, Apr. 17, May 15, Sep. 18, Oct. 16, Nov. 20, Dec. 18 (Fall dates especially, subject to revision).**

We are also planning to have some “No Moss” short field trips, and one or more full-day or weekend field trips, during the year; we’ll be informing you (and see our website!) as specific trips are scheduled. Some likely trips being discussed include: Faulting on Green Mountain; Gateway Mesa (Castle Rock) Open Space and the Castle Rock Conglomerate; geologic structures along Coal Creek; Eldorado Springs Canyon; and, building stones in downtown Denver historic buildings.

I’ll hope to see you at many or all of these coming events!

---Pete Modreski, CSS newsletter editor; you can always write to me at [pmodreski@gmail.com](mailto:pmodreski@gmail.com)

## Nominations solicited for 2024 CSS officers and council

CSS members are invited to send us any suggestions you have (whether of another person, or of your own willingness!) of candidates for CSS Council members and officers. You may write about any suggested nominees to our 2023 President, Cal Ruleman, at [rulemancal@gmail.com](mailto:rulemancal@gmail.com). Our present Council and Officers are:

### Council:

Cal Ruleman – President	Lew Kleinhans – Councilor 2021-2023
Jeff Pigatti – President Elect	Karen Berry – Councilor 2021-2023
Ned Sterne – Past President	Michael Frothingham – Councilor 2023-25
Patrick Sullivan – Secretary	Kassandra Lindsey – Councilor 2023-2025
Jim Paces – Treasurer	Lesli Wood – Councilor 2022-2024
Chris Morrison – Chair, Webmaster	Julie Herrick – Councilor 2022-2024
Pete Modreski – Newsletter	Sylvia Nicovich – Chair, Field Trips

CSS always has a President Elect, elected the previous year; thus, Jeff Pigatti will be our President for 2024, but we will need to nominate a new President Elect for 2024. Candidates for all the offices will be announced to members in our December newsletter, and the election of officers will be conducted at our Dec. 14 Annual Meeting.

## Proposed changes to CSS Constitution and Bylaws

A CSS committee has prepared and proposes a number of changes to our Constitution and Bylaws, basically to make them more up-to-date in regard to some of the changes in technology relating to how our organization actually operates now vs. the way the existing bylaws read. The present and the newly proposed Constitution and Bylaws can be read and compared on our website, under About Us – Constitution and Bylaws. See [https://coloscisoc.org/wp-content/uploads/2023/10/CSS-Constitution-and-Bylaws\\_2023.pdf](https://coloscisoc.org/wp-content/uploads/2023/10/CSS-Constitution-and-Bylaws_2023.pdf). If not yet added there by the time you read this, we will also add there soon, a document showing the marked-up changes this represents to the existing bylaws. Members present will be asked to vote on the proposed changes at our Dec. 14 Annual Meeting.

**Coming Earth Science Events being sponsored by other organizations, November-December 2023 + beyond, updated 11/10/2023** by Pete Modreski, [pmodreski@aol.com](mailto:pmodreski@aol.com) or [pmodreski@gmail.com](mailto:pmodreski@gmail.com) [I've kept our own Nov.-Dec. 2023 CSS events in this list, too.]

**Fri., Nov. 10, 7:00 p.m., Fossil Diatoms in the Florissant Formation**, by Mary Ellen Benson; at the monthly meeting of the Denver Gem and Mineral Guild, Wheat Ridge United Methodist Church, Wadsworth & 38<sup>th</sup> Ave. See <https://denvergem.org/> for details. All are always welcome.

**Denver Museum of Nature & Science, Earth Science Colloquium**, *In the VIP Room; in-person only, all are welcome, Museum admission not required; check in at the Security Post.*

See <https://sites.google.com/view/dmnsdes2020colloquiumschedule/home>. There is just one DES Colloquium talk remaining for this year: **Thurs., Nov. 16, 2:00-3:00, Land of Ice: The Magnificent Wonders of Colorado's Glacial Landscape** by **Dr. Vince Matthews, former Colorado State Geologist**. A new, final presentation just added to the DES Colloquium schedule.

**Thurs., Nov. 16, 7:00 p.m., Colorado Scientific Society** November meeting, **Glaciers and Rock Glaciers** by Bob Anderson, Univ. of Colorado. [The CSS' previously scheduled talk, Colorado Structural Evolution, by Lonn Abbot, had to be postponed; we hope to have it given sometime in 2024. The meeting will be in-person

meeting at Calvary Church Golden, and also available via Zoom; see <https://coloscisoc.org/> for details. All are always welcome.

**Sat., Nov. 18, 1-4 p.m., Free Mineral ID Day** at the Mines Museum! “Let us identify the most mysterious specimens in your collection! (All are welcome; museum admission is always free. Limit 3 specimens per visitor; only identification assistance will be provided, we will not offer value assessment.) Note, this ID Day was rescheduled from the earlier planned date of Nov. 11. **Just to mention**—all persons interested in helping to support the museum and in taking part in special members-only activities, are invited to join the Friends of the Mines Museum! See [www.friendsofminesmuseum.com](http://www.friendsofminesmuseum.com). Annual membership, students \$10; adults \$30; family \$50.

**Fri.-Sat.-Sun., Nov. 17-19, Denver Area Mineral Dealers ("DAM") Gem and Mineral Show**, 10-5 Fri. & Sat., 10-4 Sun., Jefferson County Fairgrounds, Exhibit Hall, 15200 W. 6<sup>th</sup> Ave., Golden. No admission charge.

**Wed., Nov. 29, 7:30 p.m., Friends of Mineralogy, Colorado Chapter**, bimonthly meeting; Berthoud Hall, room 108; presentation on some topic of mineralogical interest TBA at this time, but see <https://friendsofmineralogycolorado.org/> for an update on this. All are welcome to attend. [P.S., this is NOT on what would have been FM’s regular meeting date of Thurs. Nov. 16.]

**Sat., Dec. 2, WIPS (Western Interior Paleontological Society) Holiday Party and Silent Auction Fundraiser**, at the Clements Community Center, Lakewood. All are welcome. See the WIPS website for details!

**Fri.-Sat.-Sun. Dec. 8-10, “Rocks and Rails” Gem and Mineral Show** sponsored by the Flatirons Gem and Mineral Club, Boulder County Fairgrounds, 9595 Nelson Road, Longmont; combined with the Boulder County Model Railroad Club model train show; one admission for both, adults \$8, seniors \$5, children under 12 free with adult. Fri & Sat. 10 a.m. – 5 p.m., Sun. 10 a.m. – 4 p.m.

**Thurs., Dec. 14, 6:00 p.m., Colorado Scientific Society, December Annual Meeting, Potluck Dinner and Presidential Address, Cal Ruleman, US Geological Survey**; at New Terrain Brewing Co., 16401 Table Mtn. Pkwy., Golden. The presentation will also be live-streamed by Zoom.

**Neogene Tectonomagmatic Fragmentation and Middle Pleistocene Glaciofluvial Integration of North American River Systems: New Chronologies Reveal Elusive Neotectonics, Profound Unconformities, and the Reality of Fascinating Landscapes and Amazing Geologic Processes.**

If you’d like a shorter title, here it is: “**The Central City Gravels and Regional Revelations**”!

see <https://coloscisoc.org/> for details. All are welcome to attend!

#### **Some 2024 events:**

**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. 6<sup>th</sup> 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<sup>st</sup> annual show.

**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<sup>th</sup> 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<sup>th</sup> 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., Aug. 8-11, Buena Vista Contin-Tail Gem, Mineral, and Fossil Show**, Buena Vista Rodeo Grounds; free admission and parking.

**Thurs.-Sun., Sept. 12-15, Denver Gem and Mineral Show, part of the Hardrock Summit Show, Westin Westminster Hotel, Westminster CO.** The several other gem, mineral, and jewelry shows take place in Denver during the preceding week.