

# *Une Petite Newsletter for January 2019*

## *Special U.S. Government Shutdown Edition*



# Colorado Scientific Society

*The objective of the Society is to promote the knowledge and understanding of Earth science, and its application to human needs*

Dear CSS members (January 14, 2018)

Our new President, Tom Casadevall, needs to pass on the information that our planned January 17 meeting, which was to have featured two multimedia presentations about Kilauea Volcano, is cancelled due to effects of the government shutdown. Both of our erstwhile speakers are USGS staff who were going to make presentations about the work at Kilauea. We plan to have their presentations rescheduled for April (the date will be April 18). The programs at our February and March meetings will take place as previously scheduled (see the calendar below).

I'm including a calendar of events of meetings and programs sponsored by ours and other societies. I want to give special mention to a special exhibit described below, a new, temporary exhibit about Mining in Jefferson County, at the Conifer Historical Society; it will be there through March, and will include two special lecture programs, details below. (I was at the Conifer exhibit today, and can report that this special exhibit is extremely well done, with a great deal of work having gone into its preparation. It includes displays about gold, uranium, other metals, coal, clay, and aggregate mining in the Front Range area--you'll be impressed! I gave the first in their series of lecture presentations keyed to the exhibit, today; my talk was "The history of mining in Jefferson County".)

Please note the information below about the WIPS Symposium, March 23-24, **Lagerstätten: Exceptional Preservation, Extraordinary Fossils**. Colo. Sci. Soc. donates \$300 toward their holding this symposium, and as well, we will have a CSS information table at it--any volunteers to help staff this table are most welcome!

We'll hope to see you at our next regular meeting, February 21. Our upcoming meetings:

**February 21**, Ken Balleweg (Consulting Geologist), "**The Beulah marble: Ornamental stones of Colorado**", and, Don McGurk (Rocky Mountain Map Society), "**Geographies Unrealized, The Story of Four Cartographic Myths of North America.**"

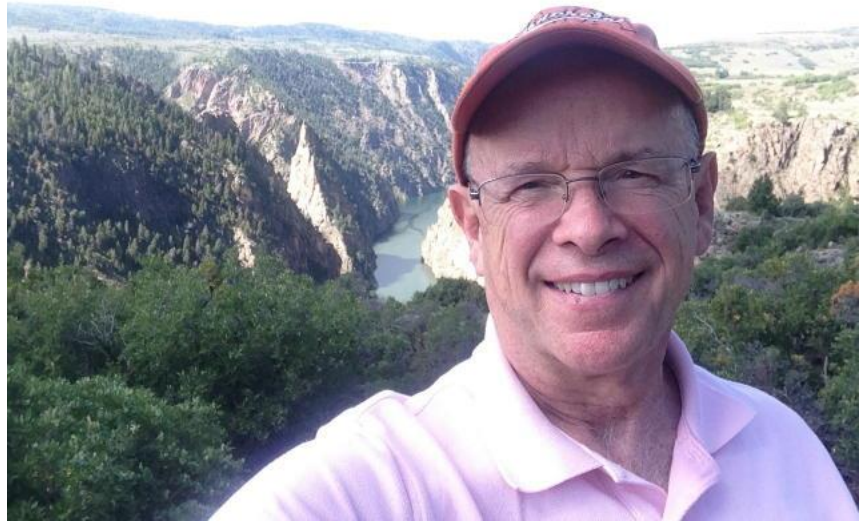
**March 21**, Vince Matthews (Leadville Geology), "**A Cook's Tour of Colorado's Glacial Landscape**"

**April 18**, Don Becker (USGS) and Jeff Sloan (USGS) **Kilauea's 2018 eruption - new methods and perspectives for monitoring volcanic eruptions**

Sincerely, Pete Modreski, CSS newsletter editor

**Tom Casadevall, 2019 CSS President**

Thomas Casadevall is a Scientist Emeritus with the U.S. Geological Survey in Denver since 2008. His scientific interests focus on mineral resources related to volcanic environments; on active volcanism and the related hazards to people and aviation operations; and on geologic heritage with an emphasis on Protected Volcanic Landscapes. He currently leads the U.S. Geoheritage and Geoparks Advisory Group and has undertaken the revision of the International Union for the Conservation of Nature (IUCN) thematic study on World Heritage Volcanoes.



From 1996 through 2008, Tom served in the Office of the Director, USGS, with terms as Regional Director for the Western Region (1996-1997), Acting Director of the USGS (1998), Deputy Director (1999-2000) and Regional Director for the Central Region (2000-2008). From 1978 to 1996, he worked as a geologist with the USGS Volcano Hazards Program, stationed at the Hawaiian Volcano Observatory, the Cascades Volcano Observatory, the Alaskan Volcano Observatory, and Denver. From 1989 to 1996, he led the USGS project Volcanic Hazards and Aviation Safety. From 1985 to 1998, he was Advisory Volcanologist to the Volcanological Survey of Indonesia, residing in Java, Indonesia. From 1997 to 1998, he taught geology of volcanic environments at the Escuela Politecnica Nacional in Quito, Ecuador. From 1969 to 1972, he worked as a mineral exploration geologist with Bear Creek Mining Company, and from 1972 to 1974 he worked as production geologist for the Sunnyside Gold Mine at Silverton, Colorado.

Tom holds an M.A. in Geology and a Ph.D. in Geochemistry from the Pennsylvania State University. He holds a B.A. in Anthropology and Geology from Beloit College.

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**Colorado Scientific Society dues** are \$25 for regular members, **\$20 if dues renewals are paid before Jan. 31 of each year**, \$10 for corresponding members (outside the Colorado Front Range area) and only \$5 for students. A Lifetime Membership is now available, for \$395.00. Mail a check to the CSS or pay with a credit card using PayPal on the CSS website. Please contact CSS Treasurer Don Sweetkind at 303-236-1828 or dsweetkind@usgs.gov if you are uncertain of your dues or membership status. Extra payments to contribute to our Memorial Funds or Endowment Fund are always most welcome; you'll see a list of the Memorial Funds on the membership form, on our website at <http://www.coloscisoc.org/membership/dues.html>.

**Colorado Scientific Society, P.O. Box 150495, Lakewood CO 80215-0495** <http://www.coloscisoc.org>

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The CSS website is [www.coloscisoc.org](http://www.coloscisoc.org). Anyone can also view our facebook page, whether you have a facebook account or not, at <https://www.facebook.com/groups/511533159044226/>.

## 2019 Colorado Scientific Society Officers, Councilors, and Committee Chairs

### Officers

President..... Tom Casadevall, tcasadev@gmail.com, 720-244-7052  
President-elect ..... Jim Paces, jamespaces@comcast.net  
Past President..... Bob Raynolds, bob.raynolds@dmns.org  
Secretary..... Lisa Fisher, 303-215-0480, lisa.fisher@alumni.mines.edu  
Treasurer..... Don Sweetkind, 303-236-1828, dsweetkind@usgs.gov, dsweetkind@gmail.com

### Councilors

2017-2019: Jim Reed, jim@rockware.com  
2017-2019: Chris Morrison, chris-morrison@comcast.net  
2018-2020: Pete Modreski, pmodreski@aol.com, 720-205-2553  
2018-2020: Matt Rhoades, rhoadesgeol@gmail.com  
2019-2021: Linda Barton Cronoble, lbarton1611@gmail.com, 720-338-1237  
2019-2021: Yvette Kuiper, ykuiper@mines.edu, 303-273-3105

### Committee Chairpersons

Database Manager: Paul Morgan, 303-384-2648, morgan@mines.edu  
Field Trip Chair: Cal Ruleman, 303-236-7804, cruleman@usgs.gov  
GSA Meeting Co-chairs, Lisa Fisher & Libby Prueher  
History Chair: Beth Simmons, cloverknoll@comcast.net  
Hospitality Chair: **Position open for 2019!**  
Membership Chair: Bob Raynolds, bob.raynolds@dmns.org  
Newsletter & Publicity: Pete Modreski, office 303-202-4766, cell 720-205-2553, pmodreski@aol.com  
Outreach: **Position open for 2019!**  
Past Presidents' Best Paper Award: Bob Raynolds, bob.raynolds@dmns.org  
State Science Fair: Chuck Weisenberg, 303-238-8806, cweisnrg@msn.com  
Student Programs Chair: Melissa Foster, melissa.ann.foster@gmail.com, 707-498-2484  
Student Research Grants Chair: Bob Raynolds, bob.raynolds@dmns.org  
Webmaster: Chris Morrison, chris-morrison@comcast.net

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## Calendar of Coming Events

**Thurs., Jan. 17**, the Colorado Scientific Society meeting scheduled for this date, with two presentations about the 2018 eruption of Kilauea Volcano, has been **CANCELLED** due to the U.S. government shutdown, which affects both the intended speakers, who are both USGS scientists who were going to speak about their USGS volcano-related projects. There will be no CSS meeting this month; the next meeting will be On Feb. 21 as previously planned, and the volcano presentations are now planned for April.

**Now through March 31**: The Conifer Historical Society hosts a special exhibit on “**Mining in Jefferson County**” at their meeting house at 26951 Barkley Road, Conifer. The exhibit will be open (no admission charge; donations accepted) just one day a week, every Sunday from 11 a.m. to 3 p.m. Two special programs will be presented in conjunction with the exhibit; admission to each program will be \$8/\$10 for members/nonmembers:

**Sun., Feb. 10**, 1:00 p.m., **How the 1859 Gold Rush put Colorado on the map**, by Wes Brown

**Sun. Mar. 10**, 1:00 p.m., **Frontier mining methods**, by Ed Raines

In addition, there will be a special “**Bring your favorite rocks and minerals**” (and a School of Mines geology student will identify them) day, **Sunday, Feb. 17**, 11 a.m. – 1 p.m.; no charge to come.

For more information about the Historical Society and the exhibit, or to make reservations to attend the lectures, see <https://www.coniferhistoricalsociety.org/events/> .

**Sun., Jan. 20**, 12 noon, monthly meeting of the Florissant Scientific Society, “**Still Crazy (About Franklin) After All These Years**”, by C.R. (Bob) Carnein. All are welcome to attend; shared potluck lunch (optional) at noon, program begins at 1 p.m. At UCCS (University of Colorado at Colorado Springs) campus; contact Beth Simmons, cloverknoll@comcast.net, for exact room & building location & directions.

**Fri.-Sat.-Sun., Feb. 22-24, Denver Gem & Mineral Guild Jewelry, Gem, and Mineral Show**, Jefferson County Fair Grounds, 15200 W. 6<sup>th</sup> Ave., Golden, CO. Free parking & free admission; hours 10-6 Fri. & Sat., 10-5 Sun.

**Thurs., Feb. 21**, 7:00 p.m., Ken Balleweg (Consulting Geologist), “**The Beulah marble: Ornamental stones of Colorado**”, and Don McGurk (Rocky Mountain Map Society), “**Geographies Unrealized, The Story of Four Cartographic Myths of North America.**” Monthly meeting of the Colorado Scientific Society, Shepherd of the Hills Church, 11500 W. 20th Ave., Lakewood; all are welcome.

**Thurs., Mar. 21**, “**A Cook's Tour of Colorado's Glacial Landscape**” by Dr. Vince Matthews. Monthly meeting of the Colorado Scientific Society, Shepherd of the Hills Church, 11500 W. 20th Ave., Lakewood; all are welcome.

**Fri.-Sat.-Sun., Mar. 22-24, Fort Collins Gem & Mineral Show**; at Thomas M. McKee Building, at The Ranch/Larimer County Fairgrounds, 5280 Arena Circle, Loveland, CO (I-25 exit 259); hours 4-8 Fri., 9-6 Sat., 10-5 Sun. Sponsored by the Fort Collins Rockhounds Club.

**Sat.-Sun., Mar. 23-24**, WIPS (Western Interior Paleontological Society) semi-annual Founders Symposium, “**Lagerstätten: Exceptional Preservation, Extraordinary Fossils**”. To be held at Lowry Conference Center, 1061 Akron Way, Denver. Two days of lectures, educational exhibits, displays of fossils, paleo art show and sale with over a dozen artists. *Colo. Sci. Soc. will have a display table at this Symposium—we are looking for CSS members to help be at the table and talk to people!* (There is a registration fee to attend the symposium—none to just see the exhibit hall and/or to help staff the CSS table. Please contact one of the CSS officers, if you are interested in helping!) For full information on the Symposium, see [https://www.westernpaleo.org/symposiums/2019\\_pages/about-2019.php](https://www.westernpaleo.org/symposiums/2019_pages/about-2019.php).

**Fri.-Sat.-Sun., Apr. 12-14, Colorado Mineral and Fossil Spring Show**, Crown Plaza Hotel /Convention Center, 15500 E 40th Ave., Denver, Colorado, 10-6 Fri. & Sat., 10-5 Sun., free parking & admission.

**Thurs., Apr. 18** CSS April meeting, tentative program, Don Becker (USGS) and Jeff Sloan (USGS) **Kilauea’s 2018 eruption - new methods and perspectives for monitoring volcanic eruptions**. Shepherd of the Hills Church, Lakewood CO.

**Tues., May 14 (tentative date)**, our CSS annual **Emmons Lecture** is tentatively planned to take place as part of a Mineral Forum to be sponsored by the USGS, as part of the new cooperative mineral resources program between USGS, Colorado School of Mines, and the Colorado Geological Survey. We'll have more information in the future about this!

**Sun., May 19, Friends of Mineralogy, Colorado Chapter, Silent (+Vocal) Auction**. Noon to 4 p.m., Clements Community Center, 1580 Yarrow St., Lakewood CO. All are welcome to attend.

**Fri.-Sat.-Sun., May 31-June 2, Pikes Peak Gem & Mineral Show**, Norris-Penrose Event Center, 1045 Lower Gold Camp Road, Colorado Springs, CO 80905. Sponsored by the Colorado Springs Mineralogical Society.

*For more lecture series during the year see:*

**Colorado Beer Talks** (2<sup>nd</sup> Tuesday, 6-8 p.m.), Windy Saddle Café, 1110 Washington Avenue, Golden, “Golden’s grassroots version of TED talks, Expand your mind with a beer in your hand”, <http://goldenbeertalks.org/>

**Colorado Café Scientifique in Denver**, monthly lectures on science topics held either at Blake Street Station or Brooklyn’s, Denver; open to the public, no charge other than refreshments you may choose to purchase; see <http://cafescicolorado.org/>.

**Colorado Scientific Society** (3<sup>rd</sup> Thursday, 7 p.m.), see <http://coloscisoc.org/>. Meets at Shepherd of the Hills Church, 11500 W. 20th Ave., Lakewood CO, except when noted.

**CU Geological Science Colloquium** (Wednesdays, 4 p.m.) see <http://www.colorado.edu/geologicalsciences/colloquium>

**CSU Dept. of Geoscience Seminars** (Fridays, 4 p.m.), see <https://warnercnr.colostate.edu/geosciences/geosciences-seminar-series/>

**Van Tuyl Lecture Series, Colorado School of Mines**, (Thursdays, 4 p.m.): <https://geology.mines.edu/events-calendar/lectures/>

**Denver Mining Club** (Mondays, 11:30), see <http://www.denverminingclub.org/> .

**Denver Museum of Nature and Science, Earth Science Colloquium series**, 3:00-4:00 p.m., VIP Room unless noted, day of the week varies. Museum admission is not required; see <http://www.dmns.org/science/research/earth-sciences/>

**Denver Region Exploration Geologists Society** (DREGS; 1<sup>st</sup> Monday, 7 p.m.), <http://www.dregs.org/index.html>

**Florissant Scientific Society** (FSS); meets monthly in various Front Range locations for a lecture or field trip; meeting locations vary, normally on Sundays at noon; all interested persons are welcome to attend the meetings and trips; see <http://www.fss-co.org/> for details and schedules.

**Nerd Night Denver** is a theater-style evening featuring usually 3 short (20-minute) TED-style talks on science or related topics; held more-or-less monthly at the Oriental Theater, 4335 W. 44<sup>th</sup> Ave., Denver; drinks are available; for ages 18+. Admission is \$6 online in advance, \$10 at the door. See <https://www.nerdnitedenver.com/> .

**Rocky Mountain Map Society** (RMMS; Denver Public Library, Gates Room, 3<sup>rd</sup> Tuesday, 5:30 p.m.), <http://rmmaps.org/>

**Western Interior Paleontological Society** (WIPS); beginning January 2019, WIPS will meet on the 1<sup>st</sup> Monday of the month, 7 p.m., at Lowry Conference Center, 1061 Akron Way, Denver. See <http://westernpaleo.org/> .

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***Our dues reminder again!***

To remain a member, please pay your dues for 2019 to CSS. Remember—there’s a \$5 discount if you pay dues by January 31. Please also consider making an extra contribution to our Endowment or Memorial funds! <http://www.coloscisoc.org/membership/dues.html>. Payments (regular dues \$25, \$20 before Jan. 31; students \$5) should be sent to:  
Colorado Scientific Society, P.O. Box 150495, Lakewood CO 80215-0495