



Colorado Scientific Society

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

Family Night

Dig a Hole in your Backyard: New Discoveries in Denver's Geology

Kirk Johnson

Department of Earth and Space Sciences
Denver Museum of Natural History

Denver is built on bedrock that contains dinosaurs and the remains of ancient rain forests. As construction has followed the economic boom time of the 1990s, excavations have created amazing opportunities to find fossils literally in our own backyards. Join Kirk Johnson, Denver Museum of Natural History's curator of paleontology, as he describes the museum's effort to save these fossils and to understand the amazing geological history of our home town.

Friday, October 15, 1999

**Reception: 6:00 pm, Dinner: 6:30 pm,
Colorado School of Mines Geology Museum
(west end of Berthoud Hall at the corner of 16th and Maple in Golden)**

**Talk: 7:30 pm in Room 108, Berthoud Hall,
Colorado School of Mines
Golden, Colorado**



P x 4 (President Pierce's Purple Prose)

Our next meeting will be Family Night, on October 15, 1999 at the Colorado School of Mines Museum. First, we will have appetizers and drinks (alcoholic and non-alcoholic), a buffet dinner, all for \$15.00 (kids are \$10). Then, Kirk Johnson from the Denver Museum of Natural History who will speak on "Dig a Hole in your Backyard: new Discoveries in Denver's Geology". Kirk is a good speaker for this kind of family audience, so think of getting your spouse, kids, and friends together with us for a fun evening. Please make your reservations soon (To reach us by Oct 11) by filling out the form on the next page, include a check, and send to the address indicated.

We had two good talks at our first meeting in the nicely refurbished auditorium of the Colorado Mountain/American Alpine Clubs in Golden. And the discussion following each talk on different aspects of Mt Sopris told me the audience was well engaged. I think we will do well in this new facility.

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1999 STUDENT NIGHT

On Wednesday November 3, the Colorado Scientific Society will host a special night highlighting the geoscience work of students from Front Range colleges and universities. The program will consist of three 15-minute talks and will be held at the American Mountaineering Center. Cash prizes will be given to all students chosen to participate. All participants will also receive complimentary one-year memberships in the Society. This student night provides a fine opportunity for students to showcase their research before a knowledgeable yet friendly audience. Students are welcome to repeat talks from the GSA national meeting of October. Interested students can contact Eric Erslev (Department of Earth Resources, Colorado State University, Fort Collins, CO 80523; erslev@cnr.colostate.edu; 970-491-6375) to be included in preliminary sessions to be run at CSU, CSM, and CU.

1999 Presidential Address

At the December meeting of our Society on December 1 at the American Mountaineering Center, outgoing President Ken Pierce will speak on:

The Yellowstone Hotspot, Greater Yellowstone Ecosystem, and Human Geography



Family Night reservation form

Family Night Dinner/Talk **Send return this form to** us by Oct 11, 1999

Name _____

Number of adults @ \$15 = _____, and kids @ **\$10** = _____, for a total of \$ _____

Make out checks to the Colorado Scientific Society and send to

The Colorado Scientific Society
P.O Box 150495
Lakewood, Colorado 80215-0495

Denver Museum of Natural History Lectures: The Making of the Rocky Mountains

All lectures are 7:00-9:00 p.m., Ricketson Auditorium, DMNH, Individual lectures: \$7 member, \$10 nonmember. For tickets, call DMNH Reservations at 303-322-7009, 9:00 a.m.-5:00 p.m. daily. This series is cosponsored by the National Science Foundation.

Geology of Wyoming and Environs—Nearly 4 Billion Years of Earth History

Arthur W. Snoke, Department of Geology and Geophysics, University of Wyoming, Laramie

Friday, October 8

The Central Rocky Mountains preserve a remarkably diverse and complex geologic history. Although exploration for oil and gas as well as metallic and nonmetallic deposits have spurred much of the research on the geologic history of the Central Rockies, there are many geologic features and phenomena in the region that have been studied simply to improve the understanding of basic Earth processes. The prime purpose of this lecture is to introduce the nonspecialist to aspects of this fascinating record of Earth history. However, you'll find the individuals who have documented this record to be truly interesting in their own right.

When did Colorado become the highest state? – the fossils know...

Kathryn Gregory, Lamont-doherty Earth Observatory, Columbia University

Saturday, October 23

Today, Denverites enjoy views from their homes and offices. But it was not always like this: 70-million-year-old beach sands suggest that Cretaceous vistas would have been rather low and watery. So when exactly were the Rockies created: Join Dr. Gregory as she discusses the evidence from fossil leaves, turtles, and tse-tse flies.



Museums

Friends of Dinosaur Ridge For information call 697-DINO. Visitors' Center is located at 16831 West Alameda Parkway (north side of Alameda, just west of the C-470 overpass). Open 9 a.m. to 4 p.m. weekdays and weekends. Fireside chats are held at the Red Rocks Elementary School Cafe, in Morrison starting at 7 p.m.

Earth Science Meetings and Talks

Colorado Scientific Society's regular meetings are held the 2nd Wednesday of the month (unless otherwise advertised). Social time begins at 7:00 p.m. and presentations start at 7:30 p.m. For information, contact Ken Pierce at (303) 236-1244 or kpierce@usgs.gov

Denver International Petroleum Society (DIPS) meets the 2nd Friday of each month at the Wynkoop Brewing Co., 18th and Wynkoop Streets. Reception begins at 11:30 a.m., luncheon at 12 p.m., program at 12:30 p.m. Make reservations (required) by leaving message at (303) 623-5396. Reservations accepted after 8 a.m. on Friday until 10:30 a.m. on Wednesday prior to the meeting. Cancellations accepted until 11:00 am Wednesday prior to the meeting. Cost: \$15 for lunches; talk only is available for \$2 (make checks payable to "D.I.P.S."). Contact Keith Murray at (303) 986-8554 for information.

Denver Region Exploration Geologists' Society (DREGS) meets in the Consolidated Mutual Water Company Building, 12700 West 27th Avenue, Lakewood. Social hour 6:00-7:00 p.m. Technical presentation at 7:00 p.m. Meetings are normally scheduled for the first Monday of each month. For information contact Don Bryant, (303) 733-2358, or the website <http://www.qadas.com/dregs>

Colorado School of Mines Lectures For Heiland Lectures at 4:00 p.m. on Fridays, contact Michelle Szobody (303) 273-3451. For information on Van Tuyl Lectures, call the Dept. of Geology at (303) 273-3800

Colorado State University Geology Lectures Mondays, 4:10 p.m. in room 109 or 316 of the Natural Resources Building. Call the Dept. of Earth Resources at (970) 491-5661 for further details.

University of Colorado at Boulder, Geological Sciences Colloquium

Wednesdays, 4:00-5:30 p.m., Rm. 180. For schedule, contact Kathy Madsen 303-492-8141

USGS Geologic Division Colloquium

Thursdays, 1:30 p.m., Foord Room, Building 20, Federal Center. For information, contact Pat Poole at ppoole@usgs.gov

The Geological Society of Nevada

will be convening a Symposium on *GEOLOGY AND ORE DEPOSITS 2000: the Great Basin and Beyond* on May 15-18, 2000 in Reno/Sparks, Nevada. Thirteen field trips are offered in Nevada and China. Abstracts and papers are to be submitted by Oct. 1, with revision by April 1. For more information contact GSN (775) 323-4569, PO Box 12021, Reno, NV 89510 or visit the website <http://www.seismo.unr.edu/GSN>



Invitation to Join the Colorado Scientific Society

The Society is dedicated to the advancement of science through open forums and activities. We sponsor lectures, field trips, student scholarship grants, and discussions of scientific matters of public concern. Please help us enlist new members.

I hereby apply for _____ membership in the Colorado Scientific Society.
 (Regular, Corresponding, Student)

 (Last Name) (First Name) (Middle)

 (Address) (Telephone, with area code) (e-mail)

 (City) (State) (Zip)

 (Company/Agency/University)

 (Mailing address if different than above)

 School Degree Year Major

Main Scientific Interests

DUES—Your dues are for the calendar year and help support the newsletter, monthly meetings, two field trips each year, family night, and the Emmons Lecture.

Regular Member (\$15) _____
 Corresponding (outside Denver metro area) Member (\$10) _____
 Student Member (\$5) _____

Please make your dues payable to Colorado Scientific Society. Thank you!!

The success of certain Colorado Scientific activities depend on your volunteer help. Please circle those activities for which you can provide assistance. We will pass your name on to the appropriate Committee Chairperson.

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|-------------------------|---------------------|-------------------|----------------------|
| <i>Arrangements</i> | <i>Fund Raising</i> | <i>Newsletter</i> | <i>Publicity</i> |
| <i>Best Paper Award</i> | <i>History</i> | <i>Outreach</i> | <i>Science Fairs</i> |
| <i>Field Trips</i> | <i>Membership</i> | <i>Program</i> | <i>Web Site</i> |

I certify that all statements in this application are correct and, I agree to promote the objectives of the Society and to abide by its Constitution, Bylaws, and Rules.

Applicant's signature

Date

Colorado Scientific Society, P.O. Box 150495, Lakewood, CO 80215-0495



Visit CSS at <http://home.rmi.net/~css/>

Colorado Scientific Society Officers, Councilors, and Chairpersons

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Treasurer: Michael N. Machette, USGS, 273-8612
Secretary: Stephen F. Personius, USGS, 273-8611
Past President: Eric Erslev, CSU, (970) 491-6375

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