



Colorado Scientific Society

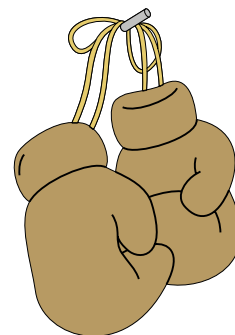
*The objective of the Society is to promote
the knowledge and understanding of Earth science,
and its application to human needs*

ANNUAL STUDENT NIGHT COMPETITION

***“Sheep Mountain: Back-Limb Tightening and
Sequential Deformation in a Classic Locality
in the Bighorn Basin, Wyoming”***

by

*Heather Stanton,
Colorado State University, Fort Collins*



***“Proximal-Distal Relationships of Deep-Water Deposits,
Permian Brushy Canyon Formation, West Texas”***

by

*Brian W. Romans,
Colorado School of Mines, Golden*



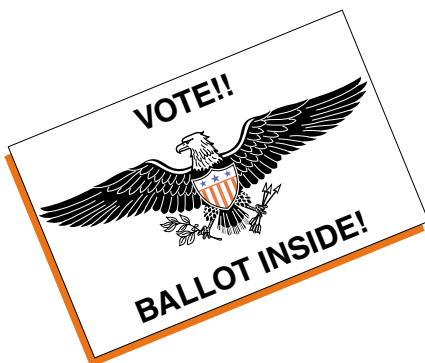
Thursday, November 15, 2001

Colorado Mountaineering Center
710 10th Street (NE corner with Washington)

Golden, Colorado

Social half-hour – 7:00 pm

Meeting time – 7:30 pm





ANNUAL STUDENT NIGHT

“Sheep Mountain: Back-Limb Tightening and Sequential Deformation in a Classic Locality in the Bighorn Basin, Wyoming”

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*Heather Stanton
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Proximal-Distal Relationships of Deep-Water Deposits, Permian Brushy Canyon Formation, West Texas”

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A note from the Student Night Committee, Parker Calkin, Mark Hudson, and Scott Lundstrom

Because the goal of this program is to promote quality scientific interchange between our society and area campuses, we are very appreciative to the Department chairs, Judy Hannah (CSU) and Eric Nelson (CSM), for arranging and hosting the semifinals. On behalf of CSS, we would especially like to thank all of the students who contributed talks and discussed their research. Kudos and thanks go to the judges. Though Chuck Stearn arranged and announced a semifinal at CU, we were disappointed to learn that no CU students volunteered talks, in marked contrast to the excellent talks and interchange there in previous years. Fortunately, we have two excellent talks that will be presented at the Student Night finals, to be held during the November 15th CSS monthly meeting. As usual, **Awards of \$125, and \$75** will go to winner and runner-up. All in attendance can be assured of hearing two engaging talks. Please come and show your support for these young speakers, our future fellow scientists.

Congratulations to the Student Night Semi-Final runners-up:

CSU Runner-up: Bellatrix Castelblanco, “Sequence Stratigraphy, Petrophysical Variation and Sealing Capacity in Deepwater Shales, Upper Cretaceous Lewis Shale, South-central Wyoming”

CSM Runner-up: Russell Dow, “Tertiary-aged Fe Oxide-Cu-Au Mineralization at the Arizaro Prospect, Salta Province, Northwest Argentina”

CSM Runner-up: Marco Alvarez, “High Resolution Genetic Stratigraphy of Upper Cretaceous Shoreface/Tidal Couplets, Gallup Sandstone, Crevasse Canyon Formation, Mancos Shale, San Juan Basin, New Mexico”

A View Through the Brown Cloud



November?? Sixteen days until the annual carnivore holiday feast? Holy cross-bedded foresets Batman!!! Is anybody ready for the holiday onslaught? Those of us that do not watch local t.v. will be spared the inevitable pleas to spend! spend! spend! and help the faltering U.S. economy, but everyone else will soon be schussing in adverts and jingles. I hate to think what this year's "Pet Rock" might be...(fade to commercial) I envision a red-white-and-blue, Cabbage Patch-Beanie Baby singing fish dressed like Uncle Sam that yodels America the Beautiful while blowing bubbles. Or has that been done?? Happy Thanksgiving everyone!!



Note from President:

Wow, what a great talk on Family Night. I'm sure that those of you who attended will agree that the presentation by Dale Atkins of the Colorado Avalanche Information Center, Colorado Geologic Survey was very impressive. We had 50 members attend the dinner in the Colorado School of Mines Geology Museum where our social hour included viewing their wonderful mineral specimens.

November 15th is our student night. Please come and support these young scientists. A reception for the students will be held at 7:00 PM, Colorado Mountaineering Center Auditorium; talks start at 7:30.

The Society's Council has been quite busy. We have nominated candidates for the upcoming election at our December meeting. Our candidates are listed in this Newsletter. If you know of an individual who would be a good councilor or president elect and is willing to serve, you can nominate them at our December business meeting on December 6, 2001. As done in the past, we will vote for all nominations at this meeting.

The Colorado Scientific Society Council on October 17, 2001, passed a resolution to amend our Constitution and Bylaws. There are several articles that are outdated. The proposed amendments are presented in this newsletter with the ballot. Regular and honorary members of the Society are eligible to vote. The completed ballots must be received for counting by the Society Secretary 30 days from the date of the November newsletter (by December 5, 2001). Two appointed tellers and the Secretary will count the ballots and certify the results, which will be presented at our business meeting to be held on December 6, 2001. It is very important that we receive your ballot in order to have a valid count for approving or rejecting these amendments.

I hope you and your family have a wonderful Thanksgiving.

Michele Tuttle
CSS President



Speaker Program 2002

Last year I lived in New Zealand while on sabbatical, and thus missed the activities and meetings of the society. Somehow I suspect this might explain how I ended up being president elect in 2001! I will remember not to leave town again. Nonetheless, I understand that Marty Goldhaber arranged an excellent speaker program, and I am disappointed to have missed the talks.

The 2002 program also promises to offer an exciting mix of talks. We have a new program chair, Donna Anderson, who is a research professor at Colorado School of Mines, and previously spent some years in the petroleum industry. Although a new member of the society, she is quite keen (sorry... some language from down under), and I look forward to working with her on the program arrangements. The regularly scheduled meetings of the society are, in my estimation, the backbone of the society activities. With a strong speaker program, we can hopefully increase our membership, and keep our present members coming back for more!

There will be some unusual changes in the schedule in 2002. First of all, because the invited Emmons lecturer will not be available in January, we have broken with tradition and moved the Emmons lecture, for 2002 only, to February 21st. Given the internationally recognized reputation of our speaker, tectonics legend John Dewey, I hope there will be general acceptance of this move.

Following discussions in the Council, we have decided to move Family Night, traditionally held during the October meeting, to the April meeting. This was suggested because the autumn program was stacked with special events (Family Night, Student Night, and Presidential Address) and only the September meeting offered 'normal' scheduled talks. Student Night will remain in the November meeting, as this allows competitors to practice talks prepared for GSA national meeting during the regional CSS competitions held in late October. I hope these changes improve the general program schedule, and I look forward to input from members regarding the changes.

Eric Nelson
President Elect 2001

Ballot to Elect Colorado Scientific Society Officers for the Year 2002

To be elected at our December 6th meeting:

President Elect:

___ Jim Cappa, CGS

Councilors 2002-2005:

(two)

___ Jim White, CU

___ John McCray, CSM

Appointed by the President Elect:

Treasurer: Don Sweetkind (USGS)

Secretary: Lisa Finiol (CSM)



Ballot to Amend Constitution and Bylaws of the Colorado Scientific Society

Please complete and send to the Society at P.O. Box 150495, Lakewood, Colorado 80215-0495 before December 5, 2001, or bring to the November 15th. meeting.

1. The last sentence in Article 1 of the Constitution reads

“The headquarters of the Society shall be located in the City and County of Denver, Colorado.”
The Society’s business address is Lakewood, Jefferson County, Colorado and our meetings and special events are held in Jefferson County (Lakewood and Golden).

The Council unanimously agreed that our location of operation should be updated.

The proposed amendment reads

“The headquarters of the Society shall be located in the County of Jefferson, Colorado.”

I, as a regular or honorary member of the Colorado Scientific Society,

accept () reject ()

the proposed amendment to Article 1 of the Constitution.

2. Article III, Section 3 of the Constitution reads

“The Secretary and the Treasurer shall be appointed by the President, with the approval of the Council.”

The Council unanimously agreed that, because the Secretary and Treasurer are voting members of the Council, they should be elected by the Society membership. This amendment, if accepted, would take effect in 2002.

The proposed amendment reads

“The Secretary and the Treasurer shall be elected by the regular and honorary members of the Society. The term of office is one year, but may be extended each year through reelection.”

I, as a regular or honorary member of the Colorado Scientific Society,

accept () reject ()

the proposed amendment to Article III, Section 3 of the Constitution.

3. Article I, Section 1 of the Bylaws reads

“Application for membership in the Society shall be on a form prescribed by the Council and shall contain a concise statement of the candidate’s qualifications and record. Each applicant shall be endorsed by two members in good standing. Remittance for the amount of dues for the current calendar year shall accompany the application...”

The Council recognizes that candidates for membership are no longer required to present qualifications, record, or endorsements.

The proposed amendment reads

“Application for membership in the Society shall be on a form prescribed by the Council. New members shall submit completed application form to the Society. Remittance for the amount of dues for the current calendar year shall accompany the application...”

I, as a regular or honorary member of the Colorado Scientific Society,

accept () reject ()

the proposed amendment to Article I, Section 1 of the Bylaws.

BALLOT CONTINUES ON NEXT PAGE

4. Article I, Section 2 of the Bylaws reads:

“Election to membership shall follow approval of the application for membership by a majority of the Executive Committee and reading the name of the applicant for membership at the first meeting of the Society following receipt of the application. The applicant shall be notified promptly of the decision of the Executive Committee. In case an application is rejected, the accompanying remittance for dues shall be promptly refunded.”

The Council recognizes that no Executive Committee has been convened for the purpose of reviewing and approving applications for membership. New members are simply accepted upon submitting application and dues to the Society. The Council recommends that Article I, Section 2 of the Bylaws be removed from the Bylaws.

*I, as a regular or honorary member of the Colorado Scientific Society,
accept () reject ()
the removal of Article I, Section 2 from the Bylaws.*

5. Article V, Section 1 of the Bylaws reads

“The President shall annually appoint, at least eight weeks before the annual meeting, a committee of at least three members of the society, whose duty it shall be to propose the names of one or more candidates for each elective office of the society. Nominations shall be published in the November newsletter and sent to each regular and honorary member of the Society, with provisions for additional nominations by regular and honorary members at the November meeting. The December newsletter sent to each regular and honorary member of the Society shall include a written ballot containing the names of all nominees.”

The Council unanimously agreed that this process of nominating and voting for officers and councilors should be simplified and updated to reflect the procedure currently in use.

The proposed amendment reads

“The President shall annually appoint, at least eight weeks before the annual meeting, a committee of at least three members of the society, whose duty it shall be to propose the names of one or more candidates for each elective office of the society. Nominations shall be published in the November newsletter and sent to each regular and honorary member of the Society. Regular and honorary members may submit additional nominations at the December meeting. Voting will take place at the December meeting.”

*I, as a regular or honorary member of the Colorado Scientific Society,
accept () reject ()
the proposed amendment to Article V, Section 1 of the Bylaws.*

Member’s Name _____ Date _____



The Friends of Dinosaur Ridge and the Morrison Natural History Museum present a free lecture on “*Earthquakes and Earthquake Hazards in Colorado*”, by Vince Matthews, Colorado Geological Survey on Tuesday, December 11th at 7:00 p.m. at Red Rocks Elementary School at the west end of Morrison. Phone 303-697-DINO for details.



Directions: From C-470, take the Morrison exit, go west on Morrison Road (Hwy. 8). Proceed west through town to the last traffic light (where Hwy 8 turns south). Turn right up the hill to Red Rocks Elementary School.





Earth Science Meetings and Talks

Newsletter items must be received by the 1st of each month. This may include special events, open houses, etc...thanks!



Colorado Scientific Society's regular meetings are held the third Thursday of the month at the Colorado Mountaineering Center in Golden (unless otherwise advertised). Social time begins at 7:00 p.m. and talks start at 7:30 p.m. Upcoming: **Student Night: November 15th. Business meeting and Presidential Address: December 6th** "Catastrophic Gas Release From Lake Nyos, Africa: From Disaster Response to Hazard Mitigation" by Michele Tuttle. For info., contact Michele Tuttle at (303) 236-1944 or mtuttle@usgs.gov

Colorado School of Mines Lectures For Heiland Lectures at 4:00 p.m. on Fridays, contact Michelle Szobody (303) 273-3451. Van Tuyl Lectures refreshments at 4:00 p.m., talk at 4:30 p.m. on Thursdays in Berthoud Hall, room 108: **Nov. 15: Dr. John Sutter**, AAPG Distinguished Lecturer, *Sequence stratigraphy in a development setting: Petrozuata, Faja Petrolifera del Orinoco, Venezuela.* **Nov. 15: Dr. Rich Wanty**, USGS, *Influence of geologic structure on hydrology and geochemistry near the Pogo gold deposit, eastern Alaska.*

Denver International Petroleum Society (DIPS) meets the 2nd Friday of each month at the Wynkoop Brewing Co., 18th and Wynkoop Sts. Reception begins at 11:30 a.m., lunch 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 Wed. 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 info. contact Jim Piper, (303) 932-0134, or the website <http://www.dregs.org> .

Denver Well Logging Society (DWLS) meets on the third Tuesday of each month, Sept. through May. Lunch and a technical talk at the Wynkoop Brewery begins at 11:30 a.m., 18th and Wynkoop Sts. in Denver. Call Elice Wickham at 303-573-2781 for reservations. Web page: <http://dwls.spwla.org>

Rocky Mountain Association of Geologists (RMAG) Reception at 11:30 a.m., lunch at 12:00 p.m., talk at 12:25 p.m. Reservations taken by recording at 303-623-5396 until 10:30 a.m., Wed. before the luncheon. Cancellations are taken until 11:00 a.m. on Wed. at 303-573-8621. Luncheon cost is \$20 payable to RMAG at the door. Reservations are not required for talk only---cost is \$3. Meeting location: Denver Petroleum Club, Anaconda Tower, 555-17th St., 37th floor.

USGS Geologic Division Colloquium Thursdays, 1:30 p.m., Foord Rm., Building 20, entrance W3, Denver Federal Center. **No meetings because everyone is at GSA!** For info. call Laura Strickland at 303-236-5302, or email: lstrickland@usgs.gov

University of Colorado at Boulder, Geological Sciences Colloquium Wednesdays, 4:00-5:30 p.m., Benson Earth Sciences lecture hall, Rm. 180. Refreshments at 3:30 p.m. on the 3rd floor. For info., call 303-492-8141.

University of Northern Colorado, Greeley, Earth Science Seminar Fridays, 4:00-5:00 p.m., Ross Hall, Rm. 3310. For a schedule, call the UNC Dept. of Earth Sciences at 970-351-2647.



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

<http://www.coloscisoc.org/>



Note new web address!



**WANTED:
New CSS
Members**

Colorado Scientific Society Officers, Councilors, and Chairpersons

OFFICERS

President: Michele Tuttle, USGS, 303-236-1944
President-Elect: Eric Nelson, CSM, 303-273-3811
Treasurer: Michael N. Machette, USGS, 303-273-8612
Secretary: Stephen F. Personius, USGS, 303-273-8611
Past President: Mark Hudson, USGS, 303-236-7446

COUNCILORS

1999-2001: Emmett Evanoff, CU, 303-492-8069
1999-2001: Steve Sonnenberg, 303-839-3012
2000-2002: Bob Fleming, 303-279-8122
2000-2002: Scott Lundstrom, USGS, 303-236-7944
2001-2003: Graham Closs, CSM, 303-273-3856
2001-2003: Parker Calkin, CU, 303-442-2184

COMMITTEE CHAIRPERSONS

Best Paper Award:	Karl Kellogg, USGS, 303-236-1305
Database Manager:	Cyndi Rice, USGS, 303-236-1989
Email distribution:	Randy Schumann, USGS, 303-236-1525
Field Trips:	Sherm Marsh, USGS-retired, 303-986-0939
Graphics:	Lee-Ann Bradley, USGS, 303-273-8613
History:	Marjorie E. MacLachlan, USGS-retired, 303-986-7192
Membership:	Jim Yount, USGS, 303-236-5397
Memorial Funds:	Mark Hudson, USGS, 303-236-7446
Memorial Funds Treasurer:	Michael N. Machette, USGS, 303-273-8612
Newsletter Editor:	Lisa Ramirez Bader, USGS, 303-236-5547
Outreach:	Pete Modreski, USGS, 303-236-5639
Program:	Martin Goldhaber, CSM, 303-236-1921
Publicity:	Libby Prueher, rckoi@eudoramail.com
Science Fair:	Chuck Weisenberg, 303-238-8806
Webmaster:	Bill Wingle, wwingle@uncert.com, 303-279-1290



**** STOP!** Don't recycle this until after the talk! Please help us with publicity by posting at least the front page of this Newsletter on a bulletin board. *Thank you!!*