



Colorado Scientific Society

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

Colorado Scientific Society Student Night



Thursday, November 17, 2005
American Mountaineering Center
710 10th St. (NE corner with Washington), Golden
Social half-hour – 6:30 p.m. Meeting time – 7:00 p.m.

Student speakers and titles of talks

Robert Amerman Colorado School of Mines

Submarine mass transport complex evolution and control on overlying siliciclastic deposition, Permian Cutoff Formation, west Texas

Olusola Bakare Colorado School of Mines

Effects of Growing Structures and Physiography on *Deepwater Depositional Elements* of a Niger Delta Intra-slope Basin - Implications on Reservoir Distribution and Architecture

Douglas C. Kreiner Colorado State University

Hydrothermal alteration and its effects on slope stability in Alum Creek, Eastern San Juan Mountains, South-central, Colorado

Timothy J. MacIntyre Colorado School of Mines

Fault Related Bleaching and Sediment-Hosted Copper Mineralization at the Cashin Mine, Montrose County, Colorado

Thomas Neely Colorado State University

3D Strain at Transitions in Foreland Arch Geometry: Structural Modeling of the Beartooth Arch - Rattlesnake Mountain Transition, NW Wyoming

Melissa Northcott Colorado School of Mines

Hydrologic Margins of the Dry Valleys of Antarctica

Celso Palacios Colorado School of Mines.

Geology of the Epithermal Explorador vein within the Selene Mining district, Apurimac, Peru.

Abstracts of talks will be given out during the social hour of the meeting. Talks will last approximately 15 minutes.

Colorado Scientific Society President's Note November 2005

By Vince Matthews

The future of our profession and society is in the hands of today's students. The society recognizes this in several ways. One major effort is through our research grants program that awards ~\$10,000 each Spring from our various Memorial Funds. The second major effort is by sponsoring

Student Night, a competition of local students wherein they present the results of their research to the Society. First prize for the best paper is \$1000. Student night is only ten days away. I hope you will join with me in encouraging our future by attending Student Night.

CSS Nominations for Officer Positions

You might have thought elections were over, but NO! There's more! Our nomination for 2006 President-elect is William Nesse. And then for councilors, rather than keep John Lufkin as a councilor for 5 years to do with what we see fit, he is being returned to the public at large. The nominations for his seat and an empty seat that

needs to be filled are Scott Minor and John Keller. The December newsletter sent to each regular and honorary member of the Society shall include a written ballot containing the names of all nominees. Voting will take place in December.

Mark Your Calendars!

December Presidential Address: "Was Emmons Correct?" by Vince Matthews

WANTED

To buy. Stereomicroscope, with about 20x magnification. Call Celia 303-866-2811.

Take this test!

You might have seen this, but then, you might have forgotten it, too. Complete the question with either a city or town in Colorado. (Thanks to Mary-Margaret Coates)

1. A large rock
2. A cross between a lemon and a lime
3. An Indian dwelling
4. Kings of beasts
5. Opposite of all
6. A firearm
7. A prehistoric animal
8. A place for sweethearts
9. Decked the halls at Christmas time
10. The national bird
11. The queen of England
12. Colorado state flower
13. Where donkeys are kept
14. A Wyoming watering hole
15. People who purchase things
16. Following the rules of the game
17. What a king needs after a siege on his dwelling
18. A mathematical function
19. An ex-president turned prizefighter
20. Never turns brown
21. An injured stream
22. Already ate
23. A triangle-shaped stream deposit
24. Shock absorbers for an old ship
25. A pair of lovely ladies
26. A town in the middle
27. 2000 lbs of valuable metal
28. incendiary rock
29. The winner is a
30. A dustpan's companion
31. Potato shock absorbers
32. A flower that writes
33. A former heavyweight boxing champion
34. Solomon threatened to do this
35. Hydrous calcium sulfate
36. Fermented honey drink
37. Less assertive
38. Intermediate between sand and clay
39. Frazier and Lewis
40. Brief movie appearance by celebrity
41. A cherished path
42. A peaceful stream
43. To mix
44. Kennedy and Murrow
45. Embarrassed rock

Earth Science Meetings and Talks



Newsletter items must be received by the 25th of each month. Items may include special events, open houses, etc...thanks!



Colorado Scientific Society's regular meetings are held the 3rd Thursday of the month at the American Mountaineering Center in Golden (unless otherwise advertised). Social time begins at 6:30 p.m. and talks start at 7:00 p.m. For more information, contact Vince Matthews at 303-866-3028 or vince.matthews@state.co.us

Denver Mining Club meets every Monday (except when noted) at Country Buffet near Bowles and Wadsworth (at 8100 W. Crestline Ave.) 11:30 a.m.-1:00 p.m. <http://china-resources.net>. CSM. Nov. 14, "Real-time geochemical answers in the field using portable XRF instruments", by Richard Glanzman, Glanzman Geochemical.

Denver International Petroleum Society meets the second Friday of each month at the Wynkoop Brewing Co., 18th and Wynkoop Streets. Reception at 11:30 a.m., lunch at noon, talk at 12:30 p.m. Make reservations (required) by leaving message at (303) 623-5396. Reservations accepted until 10:30 a.m. on Wed prior to the meeting. Cancellations accepted until 11:00 am Wed prior to the meeting. Cost: \$15 for lunches; talk only-\$2. Contact Keith Murray at (303) 986-8554 for info.

Denver Region Exploration Geologists' Society (DREGS) meets in the Mutual Consolidated Water Building, 12700 West 27th Avenue, Lakewood. Social hour 6:00-7:00 p.m. Technical presentation at 7:00 p.m. Meetings are normally the first Monday of each month. For information contact Jim Piper, (303) 932-0137, 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. Subject matter usually deals with the application of well logs to oil and gas exploration. Call Elice Wickham at 303-573-2781 for reservations. Web page: <http://dwls.spwla.org>. Nov. 15, "Carbon/oxygen logging", by Larry Jacobson, Halliburton Energy.

Rocky Mountain Association of Geologists (RMAG) Reception at 11:30 a.m., lunch at noon., talk at 12:30 p.m. Reservations are 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. Talk only (no reservations)—\$3. Meeting location: Denver Petroleum Club, Anaconda Tower, 555-17th St, 37th floor. Web page: <http://www.rmag.org>.

Rocky Mountain SEPM Reception at 11:30, lunch at noon, speaker at 12:30. Reservations, Dave Uhl:303-389-5092 before noon of preceding Friday. \$15.00 lunch, \$3 talk only. Wynkoop Brewing Company, 1634 18th St., Denver. David.uhl@EnCana.com. Nov. 29, "Comparing types of fluvial sand bodies with implications for reservoir description", by Donna Anderson, CSM.

University of Colorado at Boulder, Geological Sciences Colloquium Wednesdays, 4:00-5:30 p.m., Rm. 180.Refreshments at 3:30 pm on the 3rd floor. For more information, call 303-492-8141. Web page: <http://www.colorado.edu/GeolSci>.

Friends of Dinosaur Ridge Fireside chats resume in the fall. Web page: <http://www.dinoridge.org>. Admission is free, but donations are welcome. For more information please contact the FODR Visitor Center at (303) 697-3466.

Colorado School of Mines, Van Tuyl Lectures Fridays from 3:00 p.m. to 4:00p.m. in Berthoud Hall room 108. For further information, check <http://www.mines.edu/academic/geology/calendar>. Nov. 11, "Plate tectonic evolution and mineral resource potential of SW Yunnan, China", by Klaus Heppel, CSM. Dec. 2, "The Rocky Mountain strike-slip debate: contrasts between advocate and diagnostic scientific approaches", by Eric Erslev, CSU.

USGS Geologic Division Colloquium. Thursdays, 1:30 p.m., Foord Room, Building 20, Denver Federal Center. For more information contact: Peter J. Modreski, U.S. Geological Survey, Denver, Colorado tel. 303-202-4766, fax 303-202-4767 email pmodreski@usgs.gov.

Colorado Science Convention, Nov. 17, eve. Banquet presentation by Bryan White on Auroras and astro-photography, \$40, or \$20 for students and teachers. <http://physics.unco.edu/convention>.

For a constantly updated, online geo-calendar, visit the Colorado Geological Survey at
<http://geosurvey.state.co.us>

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<http://www.coloscisoc.org>



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