



Colorado Scientific Society

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



Back to the Jurassic: Shedding New Light on Local Dinosaur Heritage

Bob Bakker, author of *The Dinosaur Heresies*

Matt Mossbrucker, *Director Morrison Natural History Museum*

Friday, April 15 2005

Colorado School of Mines, Golden

Geology Museum (13th & Maple) and Student Center (16th & Maple)

Geology Museum – 5:30 p.m. Dinner--6:30 p.m. Talk – 7:30 p.m.

Abstract

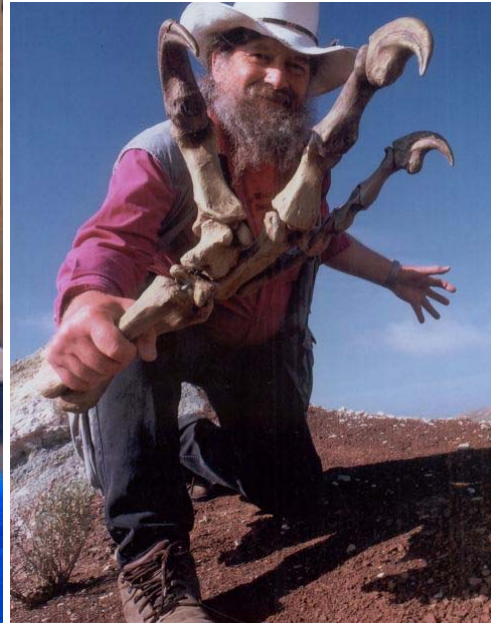
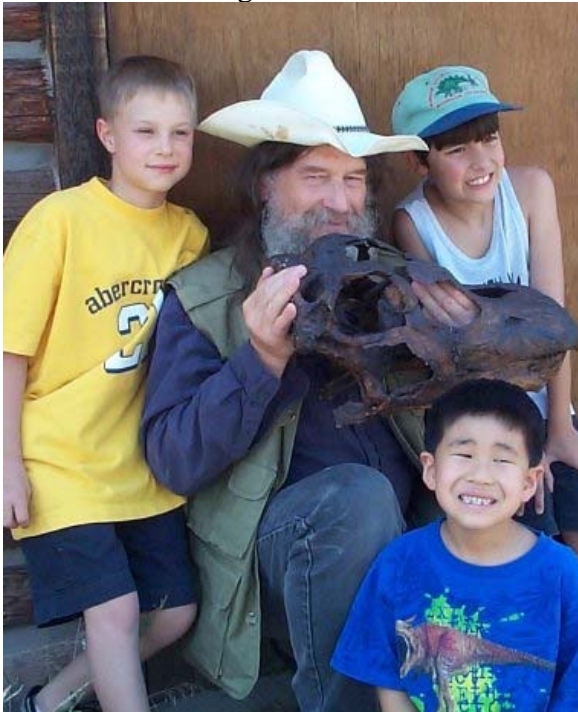
Back to the Jurassic: Shedding New Light on Local Dinosaur Heritage

By Bob Bakker, author of *The Dinosaur Heresies*, and Matt Mossbrucker, Director of the Morrison Natural History Museum

Colorado's first giant Jurassic dinosaurs were discovered in the foothills of Jefferson County. What was the world of the dinosaur like in the Front Range? The Morrison Natural History Museum's Ajax Discovery Project* takes paleontologists and geologists back to historic quarry sites, including Quarry 10 where *Apatosaurus ajax* was first discovered in 1877, to uncover clues that add to our understanding of ancient environments. Join Jurassic "crime scene investigators" Dr. Robert

Bakker and Matthew Mossbrucker as they shed new light on the life and times of Jurassic giants and announce an important new dinosaur first for Colorado.

* The Ajax Discovery Project is funded by grants from Aggregate Industries and the Jefferson Co. Cultural Council (SCFD).



Colorado Scientific Society President's Note—April 2005

By Vince Matthews

Your Council has done everything we can think of to make Family Night successful this year. Cheap food appealing to kids and grandkids, non-school night, exciting visit to a first-class mineral museum,

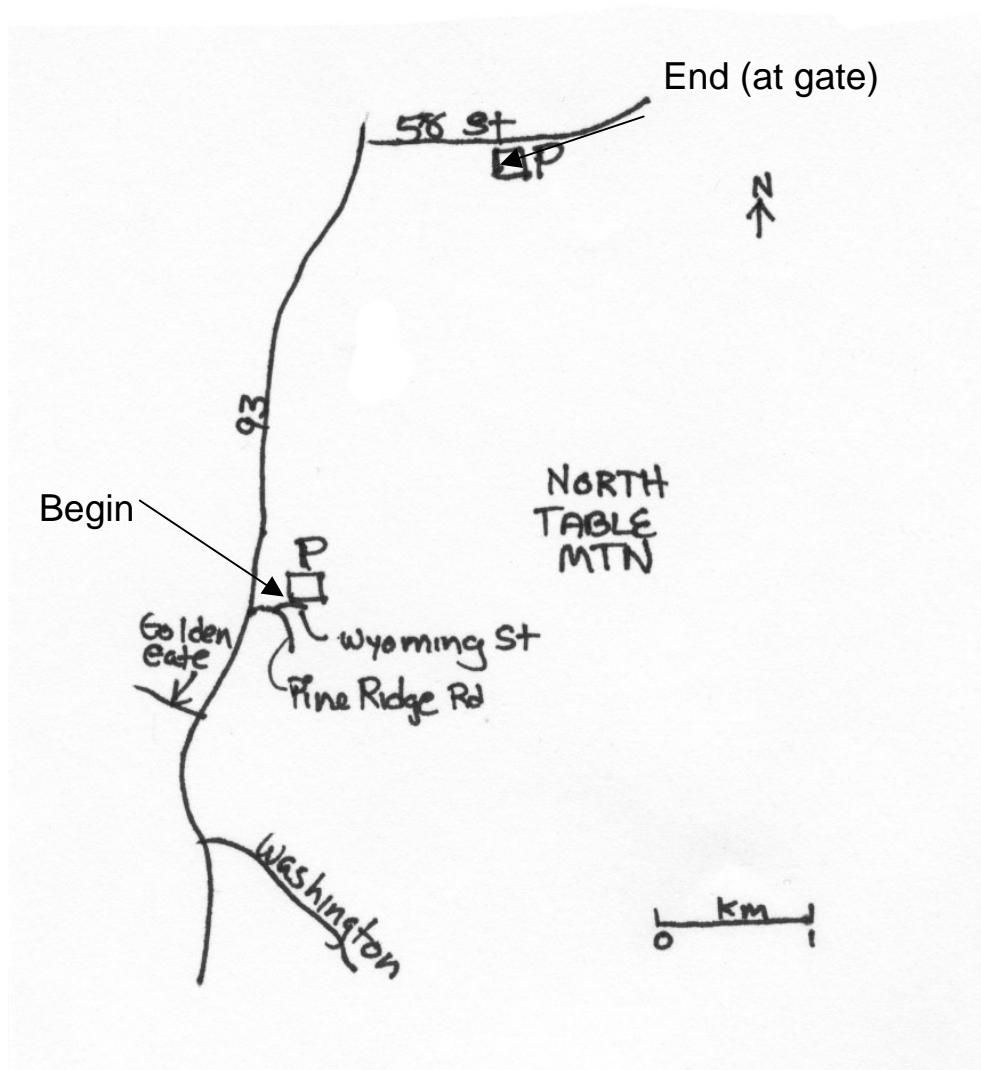
and an extraordinary program geared for all. Now, it's up to each of you to assure its success. Sign up early, sign up often, and COME!

Upcoming Field Trips

April 23--North Table Mountain, Harald Drewes, trip leader

Time: 8 a.m. Arrive at 7:30 to help with car shuttle.

Place: See map below. Cost: \$8. See registration form below.



June 11- CSS South Platte Country field trip, White Cloud Pegmatite + the 1996 Buffalo Creek fire and flood; Pete Modreski, trip leader.

A field trip to visit (1) the White Cloud Pegmatite, part of the South Platte Pegmatite District within the Pikes Peak Batholith, and (2) to see erosion, sedimentation, and ecological recovery in the aftermath of the June 1996 Buffalo Creek forest fire and flash flood. The trip will involve a 2-3 mile (round trip) hike beginning at the Colorado Trail footbridge just south of the confluence of the North

and South Forks of the South Platte River. The hike will take us partly on the Colorado Trail, off-trail down a steep 400' hillside, and downstream along the wide gravel bed of Spring Creek.

Meeting places for car-pooling will include (1) Cold Spring Park and Ride, Lakewood; (2) Pine Junction, on U.S. 285 at State Highway 126.

Cost : \$8. See registration form below.
contact: phone 303-202-4766, email
pmodreski@usgs.gov

May 14—Spanish Peaks, Brian Penn, trip leader

Tentative schedule for trip with stops:

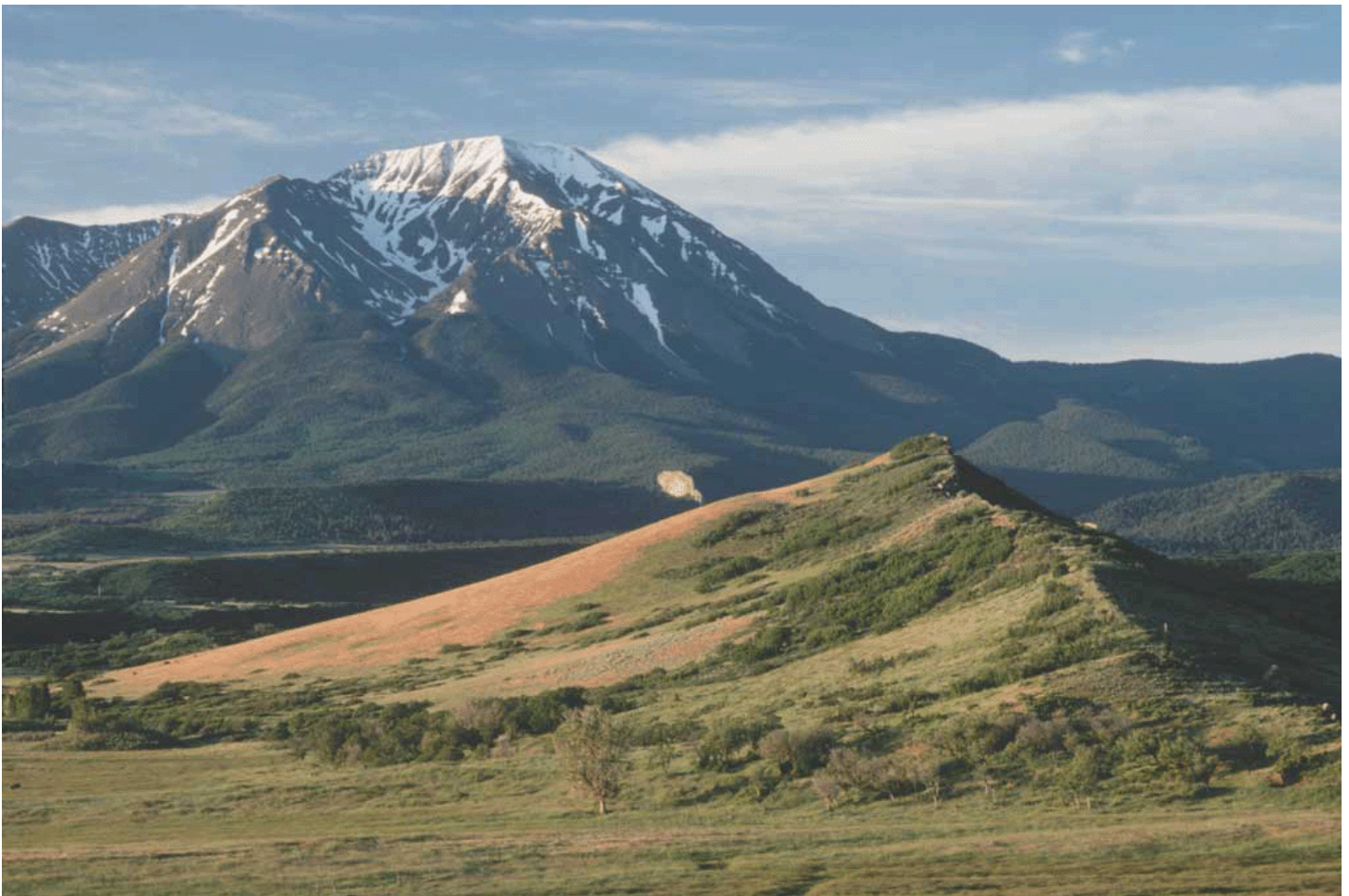
8:00 Depart Lakewood
10:30 Huefano Butte
11:30 Walsen Crag
12:30 Lunch Walsenburg
13:30 Big Dike/Little Dike
14:30 Addreatta Ranch
15:30 Profile Rock / Devil's Stairsteps

16:30 Cuchara Pass/LA46 and/or return to Denver

19:00 Arrive Denver

Meeting place: Cold Spring Park and Ride, 4th and Union, Lakewood. Travel by rental van.

Cost: \$25. See registration form below.



Register for North Table Mountain field trip—Saturday, April 23

Name: _____

Phone: _____ E-Mail: _____

Bring appropriate clothing, lunch, and water.

Number of Participants: _____ \$8 @ person

Total for all attending: \$ _____

For registration, send this form and your check made out to Colorado Scientific Society to Emmett Evanoff, Department of Earth Sciences, University of Northern Colorado, Greeley, CO 80639

Register for CSS Spanish Peaks field trip—Saturday, May 14

Name: _____

Phone: _____ E-Mail: _____

Bring appropriate clothing, lunch, and water.

Number of Participants: _____ \$25 @ person Travel will be by rental van.

Total for all attending: \$ _____

For registration, send this form and your check made out to Colorado Scientific Society to Emmett Evanoff, Department of Earth Sciences, University of Northern Colorado, Greeley, CO 80639

Register for CSS South Platte field trip—Saturday, June 11

Name: _____

Phone: _____ E-Mail: _____

Bring appropriate clothing, lunch, and water.

Number of Participants: _____ \$8 @ person

Total for all attending: \$ _____

For registration, send this form and your check made out to Colorado Scientific Society to Emmett Evanoff, Department of Earth Sciences, University of Northern Colorado, Greeley, CO 80639

Register for CSS Family Night—Friday, April 15

Schedule for the Colorado Scientific Society 2005 Family Night Presentation at:

5:30-6:30: Tour of the Geology Museum, 13th and Maple

6:30-7:30: Dinner at the Student Center, 16th and Maple

7:30-8:30: Talk by **Bob Bakker**, author of *Dinosaur Heresies* and

Matt Mossbrucker, director of the Morrison Natural History Museum

See attached map for locations.

The dinner will include a picnic dinner at the Student Center, featuring grilled burgers and bratwurst, cole slaw, vegetarian baked beans, chips, gourmet cookies, watermelon, with grilled chicken or veggie burgers (\$.95 extra).

Name: _____

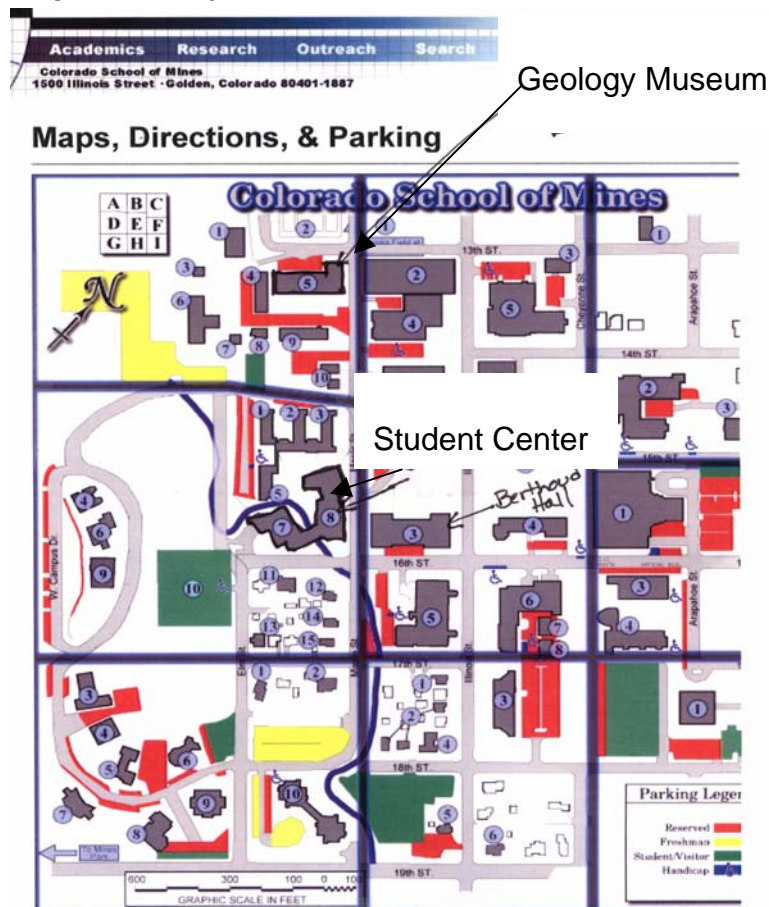
Phone: _____ E-Mail: _____

Number of Participants: _____ @ \$10.00/person

Number of chicken or veggie burger charges: _____ @ \$0.95/person

Total for all attending: \$ _____

For registration, send this form and your check made out to Colorado Scientific Society to Vince Matthews, Colorado Geological Survey, 1313 Sherman St, Denver, CO 80203





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



Earth Day field trips Apr 22, 23, 24, Green Mountain, North Table Mountain, Clear Creek bike path. Call Pete Modreski for meeting times 303-202-4766, pmodreski@usgs.gov.

Denver Mining Club meets every Monday (except when noted) at Country Buffet near Bowles and Wadsworth (at 8100 W. Crestline Ave.) 11:30-1:00. Apr 4, Matt Collins, "New mining in the Gold Hill District, Boulder County" <http://china-resources.net>.

Denver International Petroleum Society meets the second Friday of each month at the Wynkoop Brewing Co., 18th and Wynkoop Streets. Reception begins at 11:30, luncheon at noon, program at 12:30. 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 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 scheduled for the first Monday of each month. Apr 4, David Kelley, "Secondary geochemical dispersion through transported overburden". 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 Eleice Wickham at 303-573-2781 for reservations. Apr 19, Tex Boratko, Schlumberger, "PressureXpress" Web page: <http://dwls.spwla.org>.

Rocky Mountain Association of Geologists (RMAG) Reception at 11:30, lunch at noon, talk at 12:30. 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 is \$20 payable to RMAG at the door. Talk only (no res)—cost is \$3. Location: Denver Petroleum Club, Anaconda Tower, 555-17th St, 37th floor. Apr 15, Ira Pasternak, "Petroleum system of the Lewis Shale..." 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. Apr 26, Peter Varney, "Some thoughts on Dakota stratigraphy and exploration". David.uhl@EnCana.com.

University of Colorado at Boulder, Geological Sciences Colloquium Wednesdays, 4:00-5:30, Rm. 180. Refreshments at 3:30 on the 3rd floor. Apr 20, Aaron Cavosie, "Beyond the rock record—insights into earth's earliest history from >3900Ma detrital zircons". 303-492-8141. Web page: <http://www.colorado.edu/GeolSci>.

Colorado State University, Dept of Geosciences, Rm 320 Natural Resources Bldg, 4:10 pm. Apr 4, Greg Tucker, CU, "Modeling drainage basin evolution". 970-491-5661. <http://www.cnr.colostate.edu/geo/seminars/spring2005.html>

Friends of Dinosaur Ridge. Mar 29, Beth Simmons, "Fossils of Clear Creek". Apr 7, Sally White, "Myths and Mystery of Red Rocks Park". Morrison Town Hall, 7:00p.m. Web page: <http://www.dinoridge.org>. Admission is free, but donations are welcome. For more information contact the FODR Visitor Center at (303) 697-3466.

Colorado School of Mines, Van Tuyl Lectures Fridays from 3:00-4:00 in Berthoud Hall room 108. Apr 1, Michael Roberts, "Regional overview of deepwater petroleum provinces—arm waving around the Atlantic" <http://www.mines.edu/academic/geology.html>

USGS Geologic Division Colloquium. Thursdays, 1:30, 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.

Fort Collins Gem and Mineral Show, Apr 1-3, Lincoln Center, 419 W. Magnolia St, Fort Collins. Fri: 6-8p.m., Sat: 10-6 p.m., Sun: 10-5p.m. Admission \$3. kids under 12 free. 970-493-6168, fcrockhounds@yahoo.com.

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

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