



SAN DIEGO ASSOCIATION OF GEOLOGISTS

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JOINT MEETING: SDAG & Inland Geological Society (IGS)

Wednesday, July 21, 1999

- Place:** The Hungry Hunter Restaurant
27600 Jefferson Ave., Temecula
Phone: (909) 694-1475
- Time:** 6:00 - Social Hour
7:00 - Dinner
8:00 - Program
- Directions:** Hwy 15 north from San Diego, take Winchester exit, turn left onto Winchester. At first light, turn left onto Jefferson. Go approx. 2 blocks along Jefferson: Hungry Hunter is on left
- Dinner:** Choice of Prime Rib, Lemon Herb Chicken, or Grilled Swordfish.
- Cost:** \$ 25.00 per person (Children under 12 & Students with ID: \$ 12.50)
- Reservations:** Please call Lisa (Secretary for IGS) at Petra at (909) 699-6193, no later than the morning of Monday, July 19. With your RSVP, please indicate your dinner entrée choice.
- Program:** "Valley of the Mastodonts" -- Fossils from the Eastside Reservoir Project
- Speaker:** Kathleen Springer

Since mid-1993, paleontologists from the San Bernardino County Museum have been working with the Metropolitan Water District to recover fossil specimens exposed during excavation for the massive Eastside Reservoir Project, the soon-to-be largest reservoir in Southern California. This excavation to date has uncovered upwards of 30,000 vertebrate, invertebrate and plant fossils from the latest Pleistocene Epoch. This incredibly diverse and prolific assemblage has proved to be a true treasure trove for paleontologists. Nowhere in California, outside of the famous "LaBrea Tar Pits" has such an important assemblage been discovered for this period of geologic time. The project has been dubbed "Valley of the Mastodonts" by project paleontologists because of the unusual number and size of the mastodonts that have been recovered. In fact, the largest mastodont ever recovered from west of the Great Basin has been discovered at the project.

The assemblage includes mammoth, mastodont, extinct horse, camel, bison, sloth, sabre-toothed cat, North-American lion, dire wolf, just to name a few of the larger vertebrates recovered. These, coupled with the plant fossils (including both macrobotanical remains as well as pollen) will prove to be extremely important for piecing together the regional picture of what life was like at the end of the last Ice Age in the Inland Valley of Southern California.

Background: Ms. Springer has an extensive background in both geology and paleontology. She has over fourteen years' experience in geology and paleontology, with more than seven years experience in paleontologic mitigation--as Field Supervisor, as Project Manager and presently as Senior Curator of Paleontology and Principal Investigator for the paleontologic mitigation program at the San Bernardino County Museum. She has directed both large- and small-scale sensitivity assessments and resource mitigation programs in addition to developing resource management guidelines for County, State and Federal agencies. Among the larger paleontologic resource management programs directed by Ms. Springer are the Kern River Gas Transmission Pipeline, the Mojave Pipeline and the Eastside Reservoir. Ms. Springer has authored and co-authored numerous technical resource management reports, and has published research articles in professional scientific journals. She holds paleontologic collecting permits for use on public (= Bureau of Land Management) lands in Nevada (N-48816) and California (CA-94-P-02).

UPCOMING 1999 MEETINGS:

- Wed., August 18: John Peterson, County Hydrologist, *San Diego Water Resources Update*, Bali Hai restaurant, Shelter Island
- Sat., September 18: Annual Picnic - SDAG / ASCE / SDSU Geology Alumni - Mission Bay
- October 9-10: SDAG Field Trip: *Water Resources Development in Southern California* (contact Greg Cranham, 1999 SDAG Field Trip Chairman, for more info, or to submit a paper)
- Wed., November 17: Dr. Pat Abbott will talk from his new book on the geology of San Diego County: "The Rise & Fall of San Diego." New book release and signing, location TBA
- Wed., December 15: Tom Deméré, *San Diego Natural History Museum Paleontology Update*, Scholarship announcements and SDAG officer elections for year 2000

1999 CORPORATE SPONSORS:

We are pleased to be able to extend our most sincere thanks to our Corporate Sponsors for 1999! Their generosity allows us to plan the annual field trip and produce field guides, to host the SDAG/SDSU picnic on Mission Bay, support student participation at a greatly reduced price, produce this monthly newsletter, and to provide scholarship funds to local geology students. Our 1999 Corporate Sponsors are:

- AGRA Earth & Environmental
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Please consider becoming a Corporate Sponsor of SDAG. In addition to monthly recognition for your contribution, you will be entitled to a free internet "link" from the SDAG Website, as well as a business-card size ad in an upcoming 1999 newsletter. We hope to list our sponsors at the front of the 1999 SDAG Field Trip Volume, and may consider small ads in that volume for an additional contribution.

SDAG NEWSLETTER:

Please submit information, announcements, ads, geo-websites, geo-jokes or suggestions to Barbara Birnbaum (SDAG Secretary), for inclusion in the next newsletter. Any news regarding upcoming events that may be of interest to the Association or news of your business can be submitted. The submittal deadline for the next SDAG newsletter is Friday, July 30, 1999.

1999 SDAG FIELD TRIP: *Water Resources Development Projects in Southern California*

The annual SDAG field trip for 1999 is scheduled for the weekend of October 9-10. The trip will visit several major water resources development projects in southern California, with emphasis on the geologic setting of these projects and the engineering required to address geologic problems. Anticipated highlights of the field trip include:

- The Inland Feeder Tunnel along the southern slopes of the San Bernardino Mountains;
- The Seven Oaks Dam project on the Santa Ana River at the foot of the San Bernardino Mountains;
- The Eastside Reservoir project in the "Valley of the Mastodons" near Hemet, Riverside County; and
- The Olivenhain Dam project in the Mt. Israel area southwest of Escondido, San Diego County.

A reservation form for the field trip will be included in a future SDAG newsletter. For additional information, please contact the Field Trip Chairman, Greg Cranham, at (619) 454-0165 or by e-mail: gcranham@hargis.com.

ANNOUNCEMENTS:

The Gordon Gastil Endowed Scholarship Fund continues to seek donations of any amount. Gifts of \$ 500.00 or more will be recognized on a plaque to be placed in the remodeled Geology Building. Donations can be sent through SDAG, or contact Pia or Marie, Department of Geological Sciences, SDSU, at (619) 594-5586.

SDAG website: Carolyn Glockhoff continues to update and manage our ever-evolving website. If you haven't yet seen this excellent and useful resource, check it out at: www.znet.com/~sdag. Also, send the URLs of your favorite geology sites to Carolyn (carolion@aznet.net) for listing on the Geologic Links page.

Last month's meeting at Pinnacle Peak Restaurant in Santee had over 50 attendees for Barbara Birnbaum's slide show and talk about her Peruvian adventures last summer with the Camisea Project.

BABY ANNOUNCEMENT !

Five days after Barbara's Peru talk in Santee, little Megan Elizabeth Birnbaum was born!

Megan weighed 7 lbs, 0 oz; 20" long. She was born at 3:55pm on Monday June 21st, the summer solstice ☺

OTHER MEETINGS, FIELD TRIPS, SHORT COURSES & EVENTS:

South Coast Geological Society (SCGS): The SCGS usually meets on the first Monday of every month, in Orange County. For more SCGS information, visit their new website at: www.southcoastgeo.org, or contact this year's SCGS President, Gwen Sharp at (714) 378-3231. Additionally, the SCGS 1999 Fall field trip will be September 11-12, to the Bishop-Mammoth Lakes area, and papers are currently being requested for the guidebook.

Earth Science Week 1999: The annual celebration of Earth Science Week will be held October 10-16, 1999. (This is immediately following our SDAG annual field trip.) Check out the Earth Science Week website at www.earthsciweek.org for current information.

COOL WEBSITES OF THE MONTH:

As described in the recent edition of California Geology Magazine (July/August 1999), here's the "cool" website for this month:

- **The website** <http://www.explorezone.com> can make it easier to keep up with the latest breaking worldwide news about earthquakes, volcanoes, weather phenomena, space exploration, and science discoveries. It provides fairly up-to-the minute stories on a variety of recent science findings and topics. Also included are brief explanations of earthquakes, tsunamis, volcanoes, weather, and astronomy, as well as quick animations. An index of science terms is easily accessible on every page.

Please email future candidates for SDAG cool websites of the month to Barbara Birnbaum, thank you!

POSITIONS AVAILABLE:

- STAFF GEOLOGISTS, ENGINEERS & SOIL TECHNICIANS – Southern California Soil & Testing, Inc. (SCST) has positions available for experienced staff geologists, engineers and soil technicians. SCST is trying to fill 2-3 positions with geologic and geotechnical professionals with several years experience towards registration and certification. SCST offers a comprehensive compensation and benefit package, and the opportunity to work on a wide range of projects. Resumes should be forwarded in confidence to SCST, 6280 Riverdale Street, San Diego, CA 92160-0627, Attention: Steve Jensen, or fax to (619) 280-4717.
- SOIL TECHNICIAN – Est. San Diego geotechnical firm has immediate openings for technicians with 5 years minimum experience in Earthwork Operations. \$16-\$22/hr. commensurate with experience. Send resume to: Robert Prater Associates, 10505 Roselle Street, San Diego, CA 92121. (619) 453-5605.
- GEOLOGISTS & ENVIRONMENTAL SCIENTISTS – Excellent career opportunity for geologists and environmental scientists in our San Diego Office. Ideal candidates will have 1-6 years of experience in environmental consulting and excellent communication skills. Duties will include overseeing groundwater monitoring activities and supporting storm water reporting activities for nationwide clients.
ENVIRONMENTAL SCIENTIST – A minimum of 5 years experience in environmental assessment and compliance. At least 3 years conducting NEPA studies, CEQA experience a plus. Please fax resumes in confidence to Burns & McDonnell at (619) 547-9869 attention: Kim Hendershott. No phone calls please.
- GEOLOGISTS & ENGINEERS – Ogden Environmental and Energy Services Co., Inc. currently has openings for entry-level to mid-level geologists and engineers. Applicants must have 1 to 5 years experience in the environmental consulting field and must possess strong writing and interpersonal communication skills. Site characterization and remediation experience are desired, along with knowledge of the local regulatory environment. Applicants are encouraged to call Maya Galchenko at (619) 458-9044 or send resume to 5510 Morehouse Drive, San Diego, CA 92121; Fax (619) 458-0943. EOE/AA.
- Geocon Incorporated is searching for talented people to help handle their ever-increasing workload. Currently openings:
 - ◇ Senior Staff Geotechnical Engineer with 2-4 years experience. BSCE required, MSCE preferred. Registration desirable. Previous experience in land development a plus.
 - ◇ Project Geotechnical Engineer with 3-5 years experience. BSCE required, MSCE preferred. Registration required. Experience in land development a plus.
 - ◇ Engineering Field Technician with 2+ years experience desired but not mandatory. Land development and/or hillside experience a plus.

Please send resumes to: James E. Likins, President. Geocon Incorporated, 6960 Flanders Drive, San Diego, CA 92121-2974. Fax (619) 558-6159. No phone calls please. Geocon is an equal opportunity employer. **(Geocon, Inc. is an SDAG Corporate Sponsor)**

- GEOTECHNICAL ENGINEERS – Three positions available (listed below). Pay scale commensurate with experience. Contact the headhunter, Fern Thomson, at Apogee (818) 655-9940.
 - ◇ Geotechnical Engineer (Project Manager) for public works projects, land development experience, grading, slope stability, settlement analysis, liquefaction analysis, 5-7 years experience. Los Angeles – Ventura area.
 - ◇ Engineer with 3 years experience, drilling, chain-of-custody, soil samples for underground storage tank projects. Los Angeles area.
 - ◇ Geotechnical Engineer entry level. Need following experience: working in a lab, log borings assist with preparation of geotechnical reports, stability analysis, sediment analysis. Los Angeles area; other locations available.

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