

SAN DIEGO ASSOCIATION OF GEOLOGISTS

www.sandiegogeologists.org

SDAG - SCGS JOINT MEETING ANNOUNCEMENT Wednesday, June 15, 2005

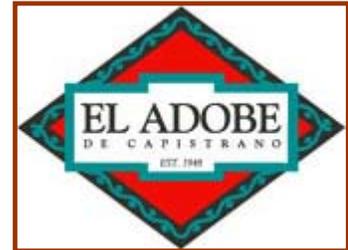
LOS ANGELES: EARTHQUAKE COUNTRY

presented by

Pat Abbott, Ph.D.

Professor (retired), SDSU, Geological Sciences

Where: El Adobe Restaurant of Capistrano
31891 Camino Capistrano
San Juan Capistrano, CA 92675
949-493-1163



When: 6:00 pm – Social Hour
7:00 pm – Dinner
8:00 pm – Program

Directions: Take I-5 north to Exit #81 toward CAMINO CAPISTRANO. Turn Left on VALLE RD. Turn Left on SAN JUAN CREEK RD. Turn Right on CAMINO CAPISTRANO. Or, take Amtrak, but with a 11:25pm departure for the return to San Diego, you might want to find a ride!

Dinner: The “President’s Choice Buffet” which includes: Chips & Salsa, Mixed green salad, Chile Relleno, Chicken Enchiladas, Beef Tacos, Spanish Rice, Refried Beans, Coffee & Tea.

Cost: \$25.00 per member/guests, \$10 per student. Add \$5.00 if you make no reservation.

Reservations: Make your reservation online at www.sandiegogeologists.org or call the SDAG Reservation Hotline at (619) 255-8380, **no later than 9:00 a.m. Monday, June 13 16th**.

RESERVATIONS CANNOT BE ACCEPTED AFTER Monday AT 9 AM.

2005 EXECUTIVE COMMITTEE

PRESIDENT - Margaret R. Eggers; *Eggers Environmental, Inc.*; Ph: (760) 757-7711; megggers@egggersenv.com

VICE PRESIDENT - Phil Farquharson; *CG-Squared Productions*, Ph:(619)224-8463; fax:(619)255-8380; geoguy@cg-squared.com

SECRETARY - David Bloom; *Anteon*; Ph: (619) 571-3470; secretary@sandiegogeologists.org

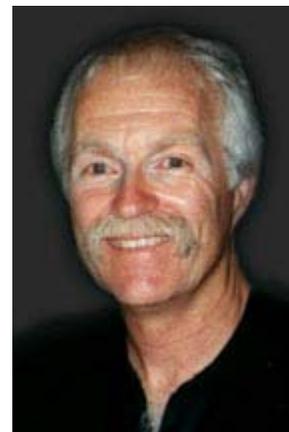
TREASURER - Sarah Gray; *University of San Diego*, Ph: (619) 260-4098; fax: (619)260-6874; sgray@san Diego.edu

PUBLICATIONS - Lowell Lindsay; *Sunbelt Publications*; Ph:(619)258-4911 x111; fax:(619)258-4916; llindsay@sunbeltpub.com

WEBMASTER – Carolyn Glockhoff; *Caro-Lion Enterprises*, Ph: (858) 549-3396; carolyn@caro-lion.com

BIOGRAPHICAL SKETCH: PAT ABBOTT

Pat Abbott is a native San Diegan. He earned a Ph.D. in geology from the University of Texas at Austin with a dissertation on the geologic and hydrologic history of the Edwards Limestone aquifer that supplies water to much of south-central Texas. Pat joined the faculty at San Diego State University in 1971. His research work has focused on the geologic history of the southwestern United States and northwestern Mexico. Much of the research work of Pat and his students has been published in 20 guidebook volumes including those of SDAG and SCGS. Pat began the Natural Disasters course at SDSU which is now the most popular non-required course at SDSU. He is the author of the textbook *Natural Disasters* published by McGraw-Hill now in its 5th edition. In recent years, Pat also works as a cruise-ship lecturer and field-trip leader for Norwegian, Holland America, Abercrombie & Kent, and Radisson visiting all continents of the world. Additionally, he has begun making broadcast-TV videos in a series called *Written In Stone*. The second video in the series is *Earthquake Country -- Los Angeles* which we will view and discuss at the meeting.



SUMMARY: LOS ANGELES: EARTHQUAKE COUNTRY

The *Written In Stone* video series provides understanding of how urban landscapes formed in order to understand the active Earth processes that created them. For example, the hills and mountains of Los Angeles are the product of long-term fault movements. In our lifetime the faults move and shake us with earthquakes, over geologic time the cumulative effects of these fault movements form mountains. To tell the Los Angeles story the film utilized multiple partners to produce multiple types of imagery to show and explain the formation of Los Angeles topography, and the active faulting that creates it. Although the framework of the video focuses on showing hills and mountains form, the real story is the faults and earthquakes that built the landscape, still operate today, and will continue operating for millions of years into the future.

*WRITTEN IN STONE – A series of videos highlighting how geology is woven into our everyday lives and landscapes. The core concept of this project is to unite city dwellers with their urban landscapes in a project being called *Written In Stone*. The overwhelming majority of people live in cities and drive uphill, downslope, and along valleys with no understanding, or even recognition, of their 3-D landscape, much less how it developed over geologic time. The energy that drives Earth processes shapes the land, and thus our society. During brief bursts of energy, these same Earth processes harm and kill people. We intend to provide knowledge and insight of the physical environment to students and the public via television and the internet. “Los Angeles: Earthquake Country” is the second in a series of videos which will eventually include other areas such as Boston, Lake Tahoe, Tijuana, Austin and San Antonio.*

ANNOUNCEMENTS:

2005 SDAG MEETING SCHEDULE – Mark your Calendars!

We'll fill out the schedule as we get speaker confirmations and finalize meeting places. Meetings are usually on the 3rd Wednesday of the month but may change to accommodate speaker and meeting place schedules. Check here for updates!

July 20	TBD
August 17	TBD
September 21	Wes Danskin , USGS will speak about the USGS drilling program and the latest results from the San Diego area
October 22-23	Annual Field Trip – Carrizo Gorge!!! (<i>Note: dates are tentative.</i>)
November	TBD
December 21 (?)	Annual Holiday Meeting at San Diego Natural History Museum!

ANNOUNCEMENTS (CONTINUED):

2005 Inland Geological Society Meetings

July 7, Thursday - Alexander Schreiner, Jr., R.G., Senior Geologist, Earth Systems Southwest, Indio, CA:
'Overview of Geothermal Resources around the Salton Sea, Riverside and Imperial Counties, and the
Geology of the Obsidian Butte rhyolite flow, Salton Sea Geothermal field, California'

August 3, Wednesday - TBA

September 1, Thursday - Dr. Norman Meeks, Professor of Geography, Department of Geography, California
State University, San Bernardino, CA: 'Developing Issues in the Inland Empire'

October 5, Wednesday - Jason Preece, Sr. Engineering Geologist, ENGEO Inc., San Ramon, CA, President,
California Council of Geoscience Organizations (CCGO): 'Update on California Professional Practice
issues and the Professional Geologist in California: Insight on the type and quantity of professional
work Geologists do'

South Coast Geological Society Field Trip Guidebook 2004 (Catalina Island) will be available at our next meeting for \$45. See Bill Elliott.

* The Seismic course we co-sponsored in April was a big success. Those who attended the course found it valuable. Attendance exceeded our expectations. We had 85 participants. With the positive response we received, we're planning to hold another course in two years.

* We have 5 extra course books, a comprehensive 3-ring binder full of information from the instructors' course notes. If you'd like a book, they are available for \$100 each. Please let one of the officers know you would like a copy.

Exploration of a Major Structural Break in the Southern California Batholith of California

Code: Batho

Date: June 4, 9 a.m. to 3 p.m.

Instructor: Dr. Gary H. Girty

Meet: Sunrise Highway off ramp with I-80 just east of Pine Valley

Difficulty: Level 1-2

Fee: ABF Members \$40; Non-members \$50

The Peninsular Ranges of southern California are underlain by a large volume of mostly granitic and metamorphic rocks. Between ~245 and ~105 million years ago a group of distinctive plutonic rocks were emplaced within the Peninsular Ranges east of Alpine, California. From about 115 - 125 million years ago many of these rocks were involved in the development of a broad zone of ductile (plastic) shear and today are mostly represented by mylonitic gneiss. This broad zone of shearing is known as the Cuyamaca Laguna Mountains shear zone or more simply as the CLMSZ.

Come join Professor Gary Girty as we explore the geology of this fascinating region. We will observe the CLMSZ that runs northwestward down the axis of the Peninsular Ranges and is well exposed about 13.6 miles east of Alpine. The rocks within the shear zone formed over a period lasting nearly 140 million years. While traveling along Sunrise Highway which cuts nearly orthogonally across the shear zone, we will view some of the oldest and most deformed rocks exposed in the Peninsular Ranges.

We will be viewing mostly road side outcrops though short hikes (up to ~quarter mile) will be made at various stops. The trip is appropriate for all ages. However, due to significant vehicular traffic parents that bring children will have to watch them closely. Each participant will be provided a detailed guidebook with colored photographs of all stops along with a copy of the CD Planet Earth written by Professor Girty. The trip is aimed at the student of geology or advance layperson with geologic interest. Limit: 25

Make Reservations www.theabf.org (760) 767-0446 deborah@theabf.org

ANNOUNCEMENTS (CONTINUED):

FYI, a very important document on the State Water Resources Control Board/CalEPA website that addresses what is acceptable/unacceptable with regard to professional licenses:

http://www.waterboards.ca.gov/cwphome/ustcf/docs/currentnews/ispr_finalmay2005ver2.pdf

This is the request for volunteers for the focus group that will be evaluating the California-specific examination. http://www.geology.ca.gov/hot_topics/volunteer.pdf

Please help me in distributing these proposed regulations to the masses! The Public Hearing on them is July 15, 2005. <http://www.geology.ca.gov/legalnotices.htm>

Here is the website link to the October 22, 2004 letter from DCA's Legal Office on the issue of Slope Stability and Factors of Safety.

http://www.geology.ca.gov/hot_topics/slope_stability.pdf

Here is the e-version of the Geology Board's Summer 2005 Newsletter:

http://www.geology.ca.gov/publications/summer_2005.pdf

For Immediate Release May 31, 2005 CONTACT INFORMATION Mary Anne Prince

mprince@sbnature2.org 682.4711, ext. 122

Legendary Dibblee Maps to be Released

Santa Barbara Museum of Natural History Dibblee Geology Center Presents Ten New Tom Dibblee Maps

Santa Barbara, Calif. - On May 31, 2005, the Dibblee Geology Center of the Santa Barbara Museum of Natural History will release ten new maps of the bay area region around San Jose created by legendary Thomas W. Dibblee. This set of 10 maps will complete a major section of northern California mapped by Dibblee himself. The exciting process of digital map-making enables the Dibblee Geology Center to complete maps of interest in a timely manner while preserving the integrity of Dibblee's work.

Over the course of 75 years, Dibblee created maps that have been instrumental in understanding California's geology. Dibblee, who personally mapped more than a quarter of the state of California - from the Mohave Desert to the Santa Cruz Mountains - remained actively involved in the publication of each new map until his death in November, 2004. The magnitude, integrity, and permanence of Dibblee's geologic mapping are truly unprecedented and legendary which is why it is the first priority of the Dibblee Geology Center to complete the publication of Tom's maps.

Dibblee maps are renowned for their high quality and serve a diverse group of users such as engineering geologists, oil companies, U.S. Forest Service, environmentalists and students, among others. To date, the Dibblee Geology Center has released 147 maps. The newest maps of the bay area region around San Jose are 7.5-minute quadrangles of:

DF-150 Newark

DF-151 Niles

DF-152 La Costa Valley

DF-153 Milpitas

DF-154 Calaveras Reservoir

DF-155 San Jose East

DF-156 Lick Observatory

DF-157 Los Gatos

DF-158 Santa Teresa Hills

DF-159 Morgan Hill

To purchase Dibblee maps go to the Museum's online store at www.sbnature.org/estore or the Museum's Gift Shop at 2559 Puesta del Sol Road in Santa Barbara or call (805) 682-4711, ext. 122. Dibblee maps are available rolled (\$20.00 plus tax) and folded (\$15.00 plus tax) - shipping and handling are additional if ordering online or by phone. For more information contact Mary Anne Prince via email at mprince@sbnature2.org.

About Santa Barbara Museum of Natural History

One of Santa Barbara's cultural and environmental treasures, the Santa Barbara Museum of Natural History was founded in 1916. The mission of the Museum is to enlighten the public by developing and presenting fundamental knowledge through natural history research, so as to teach and inspire a lifelong passion and abiding respect for the natural world.

ANNOUNCEMENTS (CONTINUED):

Thank you SDAG Corporate Sponsor Sherry Bloom, Coldwell Banker Real Estate for use of printer and copy machine to produce this newsletter!

DO YOU HAVE AN ANNOUNCEMENT?? Do you have an event, job opening, field trip or other announcement you would like to share with our members?? Just call or email our SDAG Secretary, **David Bloom** at 619-571-3470 OR secretary@sandiegogeologists.org.

SDAG Wear: - Monte (Murbach) has a variety of shirts, hats, visors and even a nice vest with the SDAG logo. A small selection is available for purchase at the meetings; all SDAG wear can be ordered from Monte.

JOB OPENINGS!

Ninyo & Moore's San Diego Environmental Division has immediate employment opportunities for individuals with California certifications and experience performing and overseeing asbestos and lead-based paint field projects. Appropriate certifications include Certified Asbestos Consultant, Site Surveillance Technician, and Lead Inspector/Assessor/Project Monitor. Individuals with California asbestos and lead experience and certifications is preferred. Experience with Phase I and II Environmental Site Assessments is a plus, but is not required. Please forward resumes to the attention of Ms. Margot Graves, Ninyo & Moore, 5710 Ruffin Road, San Diego, California 92123 or mgraves@ninyoandmoore.com. Ninyo & Moore is an Equal Opportunity Employer.

Geotechnical Exploration, Inc., a well-established geotechnical firm founded in 1976 and serving primarily San Diego County, is seeking an engineering geologist with 5-10 years of experience to join our staff. Should be registered or working toward registration with strong writing and communication skills. We are also seeking an experienced field technician and an experienced field/lab technician. Please send resume to 7420 Trade Street, San Diego, CA 92111 or e-mail to pjasmund@ixpres.com.

Hargis + Associates, Inc., a San Diego based consulting firm specializing in hydrogeology and engineering, currently has opportunities in our San Diego, California office. We are presently looking to fill the following positions:

Staff Hydrogeologist: Candidate would have a B.S. Degree in Geology, and 3 to 5 years relevant experience, including experience with soils and groundwater sampling, well installation, work plan and report preparation, task management, cost estimating and scheduling. Candidate should possess strong organizational, writing and presentation skills. Registered Geologist (RG), or ability to obtain within two years, groundwater modeling experience, and Masters degree is a plus. Position will be based in San Diego, and will require some travel and field work. OSHA 40-hour training required.

Engineer: Candidates should be entry level with a B.S. Degree in Chemical, Civil, or Mechanical Engineering and EIT Certification. Masters degree is a plus. Candidate should possess strong writing and presentation skills. Position will be based in San Diego, and will require some travel and field work. OSHA 40-hour training preferred, but not mandatory.

Hargis + Associates offer competitive salaries and benefits, and a challenging work atmosphere. Hargis + Associates is an Equal Opportunity Employer. To learn more about Hargis + Associates, please visit our website at: www.hargis.com.

No phone calls please. Qualified candidates should send resumes, along with a cover letter summarizing experience and salary requirements to:

Hargis + Associates, Inc.
Attention: Phil Rosenberg
2365 Northside Drive, Suite C-100
San Diego, CA 92108

SECOR INTERNATIONAL INCORPORATED, a global environmental engineering consulting company has an immediate need for Geologists in all of its Southern California offices located in San Diego, Redlands, Cypress, and Thousand Oaks.

Applicants should have a BS in Geology or related field – for senior level a RG is a plus. 40 Hour HAZWOPER training a plus. Candidates will be involved with petroleum clients and interface with regulatory agencies as well as report writing and maintenance of client accounts. Review SECOR and its projects: www.secor.com Send resumes to: mshuffelton@secor.com or fax: 619-296-2006. SECOR IS AN EQUAL OPPORTUNITY EMPLOYER.

JOB OPENINGS! (CONTINUED)

Paleontological Field Monitor Position

The Department of Paleontology at the San Diego Natural History Museum has openings for paleontological field monitors. Both a full time position with benefits, and part time temporary positions (without benefits) are available. All work is funded through contracts. Work will include field monitoring of construction-related exposures of potentially fossiliferous sedimentary rocks (Cenozoic and upper Mesozoic marine and/or non-marine rock units) in the Southern California region. Field monitors will be expected to collect exposed fossils and record relevant stratigraphic and taphonomic data. Opportunities for fossil preparation are also possible. Depending on experience, the field monitor may also be involved in preparing final reports of findings.

Requirements: A minimum of a B.S. in geology or a related discipline with an emphasis in paleontology. Experience in field paleontology and stratigraphy is preferred. Minimum salary is \$15.00/hour, but could be higher depending upon the applicant's experience. For general information about our paleontology mitigation program, please visit

<http://www.paleoservices.org>

Start date: 1 May 2005

Please mail or email resumes to: Thomas A. Deméré (tdemere@sdnhm.org; 619-255-0232), or
Paul C. Murphey (pmurphey@sdnhm.org; 619-255-0187)

Department of Paleontology
San Diego Natural History Museum
P.O. Box 121390
San Diego, CA 92112-1390

Project Geologist A leading Engineering and Environmental firm is seeking a Project Geologist to manage and/or perform all phases of development and construction projects. Supervise the work of staff geologists and technicians. Prepare geologic/geotechnical reports and review reports prepared by staff geologists and engineers. Prepare and review logs of borings and trenches. Supervise field exploration programs, background reviews, in grading geological mapping. Train subordinate staff in basic geologic procedures and techniques. Prepare and present proposals, scopes of work and budgets for new projects. Develop and maintain an active client base. Southern California knowledge is a plus. The qualified candidate will have achieved a master's degree in Geology with an Engineering Geology emphasis. 5+ years experience managing public works, commercial and residential land development and construction projects. Professional registrations (RG/CEG). Excellent communication skills (written/verbal).

For IMMEDIATE consideration please contact Steven at sglynn@aerotek.com

Environmental Engineers and Geologists/hydrogeologists

Aerotek Engineering and Environmental services is currently seeking **Environmental Engineers and Geologists/hydrogeologists** of all levels of experience in soil and groundwater remediation. Experience in the petrochemical field in relation to this remediation is a big plus. Qualified candidates will conduct Phase I and Phase II ESA's, NPDES permitting and sampling plans and Preliminary Endangerment Assessments.

Experience preparing geologic/geotechnical reports should be documented on resumes. Other duties include preparing and reviewing logs of borings and trenches. More qualified candidates will review reports prepared by staff geologists and engineers. Supervise field exploration programs, background reviews, in grading geological mapping. Train subordinate staff in basic geologic procedures and techniques. Prepare and present proposals, scopes of work and budgets for new projects. Successful candidates should be self motivated and friendly with a can-do attitude. Registration (RG or PE) is required for the mid to senior level positions. Southern California experience is essential and local candidates to southern California will only be considered.

If you are ready to join a dynamic team of professionals in a great work environment, please send your resume with salary requirements to Steven Glynn at the following address sglynn@aerotek.com

ABOUT AEROTEK ENGINEERING & ENVIRONMENTAL:

Join Aerotek E & ESM. We specialize in the Environmental, Civil, Geotechnical and Construction Management industries. We are one of the nation's largest and fastest growing providers to these industries. We offer nationwide opportunities and comprehensive benefits to include medical, dental, optical, and optional 401k. Don't put your career in the hands of just anyone, put it in the hands of a specialist. Join the Aerotek E & E team! EOE

Contact: Glynn, Steven **Email:** sglynn@aerotek.com **Posting Date:** 5/17/2005
Phone Number: (619) 278-3021 **Toll Free Number:** (800) 801-3565 **Fax Number:** (619) 278-3090
Office Address: 2655 Camino Del Rio North Suite 150
San Diego, CA - 92108

JOB OPENINGS! (CONTINUED)

Positions Available – Hydrogeologists and Engineering Geologists

GeoSyntec Consultants is a growth-oriented national environmental consulting firm providing innovative solutions in the fields of contamination assessment/remediation, environmental due diligence/compliance, solid waste and water resources. We are seeking top candidates for positions in our Southern California offices. Candidates must be working towards a B.S. or advanced degree in geology with an emphasis in hydrogeology, geochemistry, or engineering.

GeoSyntec's goals are to provide the best possible service and value to our clients, to advance technology in our primary practice areas, and to provide a stimulating, progressive, and friendly work environment that will enable us to continue to recruit and retain great staff. Find out more about us on the internet at <http://www.geosyntec.com>.

GeoSyntec Consultants is an Equal Opportunity/Affirmative Action/Equal Access employer. We welcome the applications of all qualified males, females, minorities, veterans, and the disabled.

Applicants should forward qualifications and a list of references to: joinussandiego@geosyntec.com

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Corporate sponsors provide a significant portion of SDAG's operating and scholarship budget. Please renew your Corporate Sponsorship for 2005! In addition to monthly recognition for your contribution, you will be entitled to a free Internet "link" from the [SDAG Website](#), and all Corporate Sponsors are listed in the front of the annual SDAG Field Trip Volume.

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**San Diego Association of Geologists
c/o David M. Bloom
3728 Mt. Almagosa Place
San Diego, CA 92111**