

Inland Geological Society

Newsletter of the Inland Geological Society

Volume 22 No. 10

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This Meeting:

Wednesday
October 4th

Time:

Social: 6:00pm
Dinner: 7:00pm
Lecture:
7:30pm

NEW Location:

LSA Associates
1500 Iowa Ave
Suite 200
Riverside, CA
92507
(Map on Pg.4)

Coming to

Dinner?

Please RSVP:

By Tuesday 9/3
(951) 782-3295
food@inlandgeo.org
or
dlass@waterboards.ca.gov

October Speaker:

Arthur R. (Dick) Brown

Tom Dibblee, Field Geology's Grand Master

Thomas W. Dibblee, Jr. was the greatest of all field geologists in California and probably in America. Tom's vocation and avocation were singularly directed to mapping geology wherever he went. In his almost 80-year geology career, Tom mapped some 565 quadrangle maps covering over 40,000 square miles, some fourth of the State of California. His first geologic map covered the family's historic Spanish land grant, Rancho San Julian, near Lompoc, California, which he completed while still in high school.

How could Tom Dibblee have mapped so much territory? He developed efficient techniques early in his career. Some of the techniques I observed when I was Tom's geologic field assistant in the early 1960s in the Mojave Desert, and later in the Palos Verdes Hills.

Tom kept his field gear simple. He carried his field maps and aerial photos for the day's mapping in a manila envelope, and that and a pencil in a light cloth bag. He folded each quadrangle map's borders so that the maps fit together along mutual edges to extend contacts and faults onto an adjoining map. He always had his hand lens on a chain around his neck, and he used it occasionally to check rocks. He carried a canteen and a rock hammer, too.

Dibblee: Continued on Page 2

DIBBLEE (Continued from Page 1)

Tom used a Brunton only if the beds or foliation had low dips. In the Mojave, the foliations in the granitic and metamorphic rocks were generally fairly high, and he could estimate the dips within a few degrees. He also estimated strikes by the topography and in the late afternoon, by the angle of the sun on the horizon, because he knew at any given time of the year, how many degrees off of west the sun set. He always kept track of his location on the topographic map, but did not need to stop for triangulation measurements to locate. He kept note making simple; he made his notes as an explanation on the border of the map, which he organized in order of the age of the geologic units. He did not use a separate notebook or take time for extensive note taking.



Tom Dibblee

from <http://www.sbnature.org/dibblee/>

Tom made long traverses, many as long 12 miles. He generally planned his traverses to map along ridge tops and canyons. He would stop and sketch in distant contacts from a good viewpoint, and later check them when he covered that area. In this way, he covered a lot of territory expanding from the known to the unknown. Each evening he inked his geology on the field map and planned the traverse for the next day.

About the Speaker:

Arthur R. (Dick) Brown was coeditor of the South Coast Geological Society's volume, "Geology and Mineral Wealth of the California Desert" (1980) and he edited the guidebook, "Geology of the San Jacinto Mountains" (1981). He was president of SCGS in 1981. Dick is a CEG and RG, and for 27 years, he has been a geological consultant in southern California. His education in geology includes a Bachelor's Degree from the University of Oklahoma (1958) and a Master's Degree from the University of California at Riverside (1968). His Master's thesis is entitled "Geology of a portion of the Southeastern San Jacinto Mountains, Riverside County, California." For which he mapped an area of high-grade metamorphic rocks, cataclastic and granitic rocks and defined the geological and structural history in that part of the San Jacinto Mountains. He has also completed a number of assignments exploring for and evaluating limestone properties in the Mojave Desert and San Bernardino Mountains, California. Prior to becoming a private consultant, he worked for several geotechnical firms.

In his early career he worked for a variety of geological organizations, including the USGS, Kaiser Steel (exploring for metallurgical limestone in the San Bernardino Mountains), and Ebasco Services Inc. (mapping in West Virginia's Canaan Valley and along the Backwater River for a proposed pump-storage reservoir). While with the USGS in the early 1960's, he was field assistant for several great field geologists, including W. Porter Irwin, in the Klamath Mountains, Thomas W. Dibblee, Jr., in the Mojave Desert, and Dallas Peck in the Sierra Nevada. Dick's international experience includes 3½ years in Greece for the Public Power Corporation of Greece with Ebasco Services Incorporated, mapping and evaluating landslides and their impact on the Kastraki Reservoir in Western Greece. He stayed on in Greece as Geotechnical Manager of a feasibility study for the proposed Athens Metro with DeLew-Cather, Inc. After that, he rejoined Ebasco to work on a Safety Analysis, as Quality Assurance Supervisor for a proposed nuclear power plant on Bataan Peninsula, Philippines, northwest of Manila Bay.

Dick has been active in other local professional geological organizations. He recently was the program chair and vice president of the Los Angeles Basin Geological Society, and for some 20 years, he has been the vice president and a director of the Thomas W. Dibblee, Jr. Geological Foundation. In 2004, Dick organized and led a fieldtrip and edited the guidebook entitled, "Palos Verdes Peninsula: Fabulous Geology in a Beautiful Setting," for the LABGS, and in 2000 he edited "A Day in the Field with Tom Dibblee in the Palos Verdes Hills, California". On October 7, this year, Dick will lead another field trip to the Palos Verdes Peninsula for the Pacific Section SEPM. dickbrowngeo@adelphia.net.

Job Opportunity:**ENGINEERING GEOLOGIST****Los Angeles County, EXAM NUMBER C-4371-K**

Salary: \$6,002.82 to \$6,690.27 MONTHLY

Benefits: Paid Sick Benefits, Retirement Plans, Paid Vacation & Holiday, and Health & Dental Plans. Forty-hour, four day (4/40) work week is standard for most assignments. Other assignments may be 9/80 or 5/40 schedules.

Selection Requirements: California State Certificate of Registration as an Engineering Geologist.*

Licenses: A valid California Class C Driver License.

Position Information: An Engineering Geologist is responsible for performing a combination of the following essential job functions: conducts engineering geological investigations and Phase I/II environmental site assessments (A Phase I Environmental Site Assessment (ESA) documents the presence of recognized environmental concerns in accordance with current standard practice and Federal regulations prior to the acquisition of property, right-of-way or easements by the County; A Phase II ESA documents the presence of subsurface contaminants, in accordance with current standard practice and government regulations through the use of drilling or other investigative method along with collection and analyses of soil and/or groundwater samples followed by evaluation and interpretation of data to form conclusions and recommendations); prepares geologic and environmental investigative reports; performs and evaluates hydrogeologic investigations; reviews, evaluates, and field checks plans for development projects; provides

technical review of engineering geologic reports and Phase I/II environmental site assessments for development projects; conducts grading and construction inspections of projects to verify anticipated conditions; conducts meetings, discussions, and other communications with consultants, developers, engineers, etc.; determines the most appropriate exploratory techniques to use for a given project; prepares and analyzes cost estimates for geologic investigations and environmental site assessments; evaluates and analyzes geologic and environmental data to develop conclusions and recommendations for development projects; prepares bid specifications, evaluates bid responses and oversees geologic and environmental work performed on County projects by outside consultants; and drives vehicles to and from worksites.

How to apply: All applicants for County positions are required to submit a County application with an original signature and date; resumes cannot be accepted in lieu of applications, although resumes may be attached to applications. County applications are available by calling (626) 458-2141 or may be downloaded at <http://dhr.lacounty.info>.

*APPLICANTS MUST PROVIDE A COPY OF THEIR CERTIFICATE AT THE TIME OF FILING.

Applications MUST be submitted ONLY at the Department of Public Works, Human Resources Division, located at 900 South Fremont Avenue, Lobby Floor, Alhambra, CA 91803-1331, Monday through Thursday ONLY, between 7:00 a.m. and 5:30 p.m. We are closed on Fridays.

Other Announcements**Meeting:**

21st Century Ground Water Systems
Conference: Oct 12-13, 2006
National Groundwater Association
Costa Mesa, CA www.ngwa.org

Meeting:

GSA 2006 Annual Meeting and Exposition
The Geological Society of America
October 22-25, Philadelphia
“The Pursuit of Science: Building on a
Foundation of Discovery”
<https://rock.geosociety.org/>

Meeting:

2006 NGWA Ground Water EXPO
National Groundwater Association
December 5-8
Las Vegas, NV www.ngwa.org

Meeting:

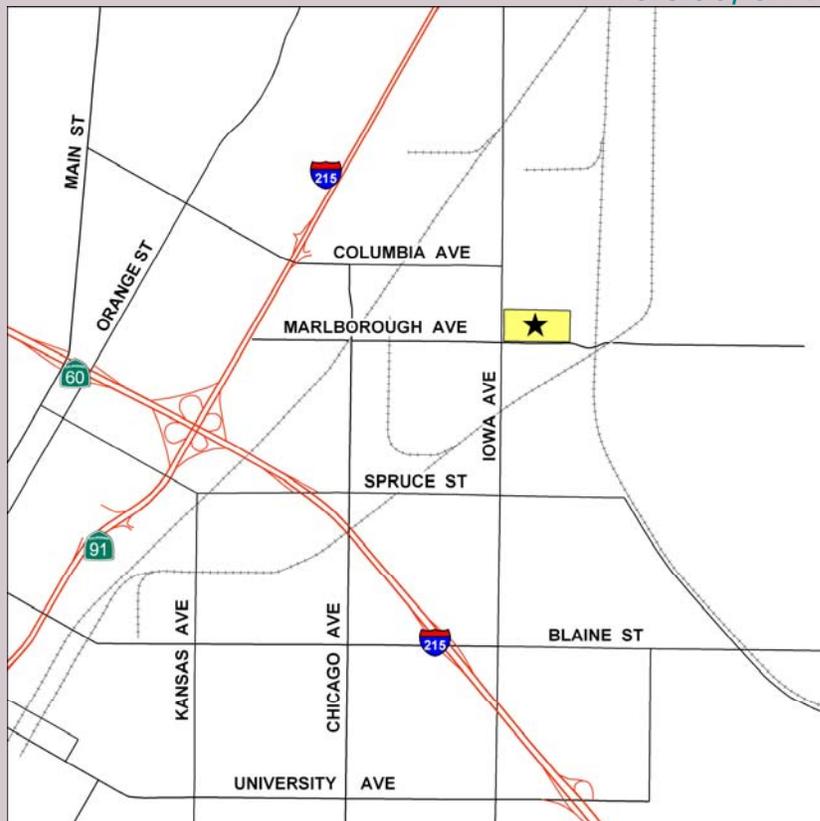
SME 2006 Arizona Conference
Society of Mining, Metallurgy and Exploration
Dec 11-12, Tucson, AZ www.smenet.org

Meeting:

2006 AGU Fall Meeting,
American Geophysical Union
11-15 December 2006, San Francisco
www.agu.org/meetings/fm06/

IGS MEETING LOCATION:

LSA Associates, Inc.
1500 Iowa Ave, Suite 200
Riverside, CA 92507

**Upcoming 2006
IGS Talks**

Nov 9, 2006 (Thursday)
Dr. Michael McKibben,
Department of Earth Sciences,
University of California, Riverside

Dec 6, 2006 (Wednesday)
Maggie Gooding,
"A Seismic Hazard Analysis of the
Fontana Seismic Trend"
LSA Associates, Riverside,
California

2007 Talks Coming Soon!

Inland Geological Society

Geomatrix Consultants

**Geomatrix**

250 E. Rincon St. Ste 204

Corona, CA. 92897