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NEWSLETTER – FEBRUARY 2003

MONTHLY DINNER MEETING

Date: Tuesday, February 11, 2003
Location: Mandarin Wok, 21800 Victory Blvd, Woodland Hills, CA
Time: 5:30 p.m. - Social Hour; 7:00 p.m. – Dinner; – 8:00 p.m. Presentation
Reservations: Call (949) 253-5924 ext. 564, or email Brian Villalobos, by 12:00 p.m., Friday, February 7, 2003
Cost: \$20 per person with reservations, \$25 at the door.

SPEAKER: Tom Anderson

TITLE: Mineral Resource Scarcity Confronting the Construction Industry in California

ABSTRACT: In many areas of California there is scarcity of a number of mineral-based materials that are critical to the construction industry. It includes: construction-grade aggregates, raw material ingredients for making cement and dolomite for stucco. Southern California and the San Francisco Bay area are already feeling the effects of these shortages.

Major factors responsible for these shortages include:

- Poorly conceived laws and regulations promulgated by all levels of government – federal, state and local jurisdictions.
- Local objections to mining and processing plants.
- Urbanization and land uses incompatible with mineral extraction and processing.
- Failure of the mining industry to undertake exploration for new mineral deposits to replace those being depleted.

Each of these factors will be analyzed , and remedies proposed to address the shortages.

BIO: Tom Anderson, headquartered in Vancouver, WA, is a consulting economic geologist who provides a variety of professional services related to the minerals industry. He received a B.S. degree in geology from Ohio State University and M.S. degree in geology from California State University, Northridge (cont.)

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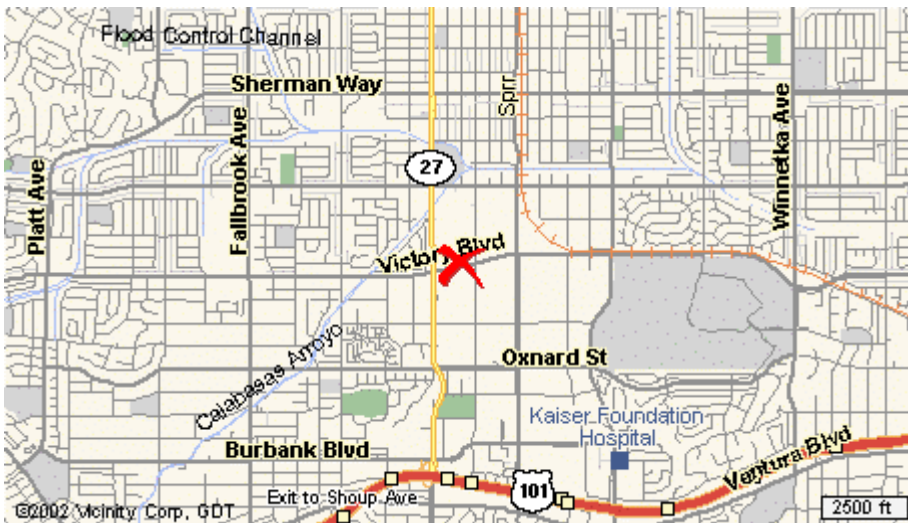
He established his consulting practice after serving over 14 years with the California Division of Mines and Geology where he was senior geologist and program manager for a number of mineral surveys that included:

- The first regional inventory within the United States for availability of construction grade aggregates as a supply source for a major urbanizing area – the greater Los Angeles area encompassing all or portions of 5 southern California counties.
- Development of genetic models for occurrence of a variety of non-metallic mineral deposits.
- A regional mineral survey covering 25 million acres in the California desert area.
- A regional mineral survey of the mother lode gold-copper belt encompassing the foothill region of the western Sierra Nevada mountain range.

Prior to joining the Division of Mines and Geology, he spent several years with Global Marine Inc. in world-wide exploration for tin, heavy mineral beach sands, phosphorite, barite, gold and nickel. His earlier career activity included serving as a mine geologist in exploration and development of a major copper ore body for Mt. Isa Mines, Ltd. in Queensland, Australia and as an exploration geologist working in remote areas of northwestern Queensland and the Northern Territory. Prior to going abroad, he was employed by Anaconda Copper Mining Company at their copper mines in Butte, Montana.

Mr. Anderson is a member of the Society for Mining, Metallurgy and Exploration, the Geological Society of America and the Mineralogical Society of America.

Mandarin Wok, 21800 Victory Boulevard, Woodland Hills. Note: Highway 27 is also known as Topanga Canyon Blvd.



CHAIR'S COLUMN

By Tania Gonzalez

This month we are moving our meeting near the Los Angeles/Ventura county border, and having for Chinese fare instead of the usual steak and chicken combo. Rather appropriate, considering that this month is the beginning of the Chinese year of the Ram. It has been several years since we last met in the northern Los Angeles County, and I hope that several of you who don't make it to the meetings often will join us. The restaurant requires a head-count at least four days in advance, so we request that you call in your reservation by noon on Friday, February 7th.

We are including in the newsletter text describing the changes to the definition of geological and geophysical work that is being proposed by the Board for Geologists and Geophysicists. Please review the proposed new language and send your comments or concerns directly to the Board and to **Joe Cota**, who will prepare a unified Southern California AEG response. The Board needs to receive all comments by April 25th. Do you think that the definitions proposed by the Board are too restrictive and not representative of the wide range of services that geologists and geophysicists normally provide? I would argue that the Board's definition of geological work more closely defines the practice of engineering geology. Perhaps more importantly, why is the Board interested in making these changes, and what does it intend to effect by making these changes?

Next month is the annual joint AEG-ASCE meeting. We will be going back to Steven's Steakhouse. Our speaker will be **Jeff Keaton**, who will be talking about ground motion for design of the Hoover Dam Bypass Bridge in Arizona-Nevada. The date is March 11th, so please mark your calendars. Our April meeting I would like to hold in Orange County, but we are still looking for a speaker and a suitable meeting location. Please call or send me an e-mail if you have any suggestions.

The American Geological Institute (AGI) just released information regarding expected cuts to geological programs in the fiscal year (FY) 2004 budget being considered by the U.S. Senate. The Geological Survey's budget may drop to \$888 million, well below the FY 2002 levels. AGI also reports that the Department of Energy's Fossil Energy R&D program would fall to levels below FY 2002. For the National Science Foundation, the Senate's omnibus bill eliminates the EarthScope project, which was requested by the president and funded in the previous House and Senate bills. Additional information regarding these proposed cuts is posted by AGI at their web site:

agiweb.org/gap/legis107/appropsfy2003.html.

The final FY 2003 funding levels will be determined by a House-Senate conference committee in the next several weeks. Therefore, now is the time to contact your member of Congress and encourage support for these and other geoscience programs. Please call, fax, or email your representative this week to urge him or her to support the funding levels for these geoscience-related programs in the House bills from last session, including support for including EarthScope within NSF. The U.S. Capitol Switchboard (202) 224-3121 will connect you to your representative's office. Send e-mail correspondence via www.house.gov/writerep/ and direct telephone numbers can be obtained at clerk.house.gov/members/mcapdir.php. Contact information for California's Congressional delegation whom are members of the Appropriations Committee are listed below for your convenience.

Dianne Feinstein (D-CA)
202/228-3954
senator@feinstein.senate.gov

Lucille Roybal-Allard (D-CA, 33rd)
202/226-0350

Jerry Lewis (R-CA, 40th)
202/225-6498

Sam Farr (D-CA, 17th)
202/225-6791
samfarr@mail.house.gov

John Doolittle (R-CA, 4th)
202/225-5444
doolittle@mail.house.gov

2003 MEMBERSHIP RENEWAL

You probably received your 2003 dues statement from AEG National by now. If you have not received it, or are unsure about your membership status, please contact AEG Headquarters aegweb.org, or Tania Gonzalez. We are currently looking for a new Membership Chair. Please contact Tania Gonzalez you wish to volunteer.

YEAR 2002-3 CONTRIBUTORS

**Earth Consultants International
Robertson Geotechnical, Inc.**

YEAR 2002-3 CONTRIBUTORS
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Business Card	\$10/month	\$100/year
¼ page	\$20/month	\$200/year
½ page	\$35/month	\$350/year
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Contributions from corporations and individual members for 2003 will be greatly appreciated. Contributors will be listed in our newsletter throughout the year and can post their logo or business card in the newsletter if so desired. Please mail contributions made out to **AEG** to our section chair, Tania Gonzalez.

A Day in the Field with Tom Dibblee

The Dibblee Foundation is leading a field trip to the Glendora/Baldy Village area, set for May 24, 2003. The Dibblee Geological Foundation and the Santa Barbara Museum of Natural History invite you to participate in A Day In The Field with *living-legend* Tom Dibblee, along with Cal Poly Professor Jon Nourse, Northridge Professor Peter Weigand, and Dibblee Map Editor John Minch. Tom and John's San Gabriel map collection will be available and will be featured. Fee: \$150 (includes coffee and doughnuts, BBQ lunch catered by Halliburton, ski lift, and guidebook plus map). Registration deadline is May 10, 2003. For information, e-mail John Powell at dibbleemap@adelphia.net, call (805) 987-5846, write to PO Box 2309, Camarillo, CA 93011, or visit dibblee.geol.ucsb.edu.

AEG/ASCE, CGS Special Publication 117 Landslide Workshop

The workshop described in this announcement was first offered in June 2002, and sold out quickly. Over 100 people have registered for the repeat (and updated) course February 20-21, but there is space for another 70 participants. The registration deadline has been extended to February 17. This two-day workshop, presented by the members of the slope stability committee, is intended to summarize and explain the recommended procedures, and provide time for interaction with the authors. The workshop is intended for both managing and practicing engineers and geologists. Speakers will include T. Blake, R. Hollingsworth, R. Jibson, R. Masuda, D. Pradel, C. Real, N. Sathialingam, and J. Stewart. Workshop materials also will include worked examples of seismically induced slope deformation calculations. Continuing Education units will be available to attendees through the AEG. Please visit the website for the registration form and additional details. www.scec.org/resources/landslide.html

Request For Comments

As the following text reads, you may send your comments directly to the Board if you wish, but please also copy me in an effort to form a unified AEG opinion if any of us should see any problems with the proposed definition. This is actually very important to our profession, so please read this carefully. Thank you, Joe Cota, Chairman, Legislative Committee.
joe@radiusmaps.net

The Board for Geologists and Geophysicists Technical Advisory Committee has recommended the following definitions of professional geological and geophysical work to the Board for consideration as potential regulations. The Board is very interested in obtaining comments from all stakeholders prior to beginning the formal "rulemaking" process. Please send your comments to the Board's office in Sacramento by April 25, 2003, via any of these methods:

Mail: 2535 Capitol Oaks Drive, Suite 300A, Sacramento, CA 95833
e-mail: geology@dca.ca.gov, Telephone: (916) 263-2113, Fax: (916) 263-2099

Article 1. General Provisions

Section 3003. Definitions.

(d) “Professional geologic work” is performed at a professional level rather than at a subprofessional or apprentice level and requires the application of scientific knowledge, principles and methods to geological ~~problems~~ studies through the exercise of individual initiative and judgment in investigating, measuring, interpreting and reporting on the physical phenomena of the earth affecting public welfare or the safeguarding of life, health, property and the environment, except as otherwise specifically provided by this chapter. Implicit in this definition is the recognition of professional responsibility and integrity and the acknowledgment of minimal supervision.

“Professional geological work” includes, but is not limited to, the collection of geological data, consultation, investigation, analysis, evaluation, interpretation, planning, mapping or inspection that applies to geology, geologic processes, and the responsible supervision thereof, affecting public welfare or the safeguarding of life, health, property and the environment, except as otherwise specifically provided by this chapter.

“Professional geological work” specifically does not include such routine activities as drafting, sampling, sample preparation, routine laboratory work, etc., where the elements of initiative, scientific judgment and decision making are lacking, nor does it include activities which do not use scientific methods to process and interpret geologic data. Further, it specifically does not include soils engineering, soils sampling, soils testing or other activities in or related to the agricultural application of soils sciences. It also does not include mining, mining engineering or other engineering disciplines and/or other physical sciences wherein geological investigation, analysis and interpretation are minimal or lacking.

(e) “Professional geophysical work” is work performed at a professional level rather than at a subprofessional or apprentice level and requires the application of scientific knowledge, principles and methods to geophysical ~~problems~~ studies through the exercise of individual initiative and judgment in investigating, measuring, interpreting and reporting on the physical phenomena of the earth affecting public welfare or the safeguarding of life, health, property and the environment, except as otherwise specifically provided by this chapter. Implicit in this definition is the recognition of professional responsibility and integrity and the acknowledgment of minimal supervision.

“Professional geophysical work” includes, but is not limited to, the collection of geophysical data, consultation investigation, analysis, evaluation, interpretation, planning, mapping or inspection that applies to geophysics, geophysical processes, and the responsible supervision thereof, affecting public welfare or the safeguarding of life, health, property and the environment, except as otherwise specifically provided by this chapter.

“Professional geophysical work” specifically does not include activities wherein the analysis or interpretation of geophysical or geological information is lacking. Such nonprofessional work could encompass party or crew chief and would encompass lesser forms of employment in field parties, the manufacture, assembly or maintenance and repair of geophysical instruments and equipment, computer programming, data processing or retrieval and routine activities normally performed by a technician in acquiring and reporting on geophysical information where the elements of initiative, scientific judgment and decision making are absent. It also does not include those engineering disciplines and other physical sciences wherein geophysical or geological investigation, analysis and interpretation are minimal or lacking.

For reference purposes, the existing language for 3003(d) and 3003(e) is as follows:

(d) “Professional geologic work” is work performed at a professional level rather than at a subprofessional or apprentice level and requires the application of scientific knowledge, principles and methods to geological problems through the exercise of individual initiative and judgment in investigating, measuring, interpreting and reporting on the physical phenomena of the earth. Implicit in this definition is the recognition of professional responsibility and integrity and the acknowledgment of minimal supervision.

“Professional geological work” specifically does not include such routine activities as drafting, sampling, sample preparation, routine laboratory work, etc., where the element of initiative, scientific judgment and decision making are lacking, nor does it include activities which do not use scientific methods to process and interpret geologic data. Further, it specifically does not include soils engineering, soils sampling, soils testing or other activities in or related to the agricultural application of soils sciences. It also does not include mining, mining engineering or other engineering disciplines and/or other physical sciences wherein geological investigation, analysis and interpretation are minimal or lacking.

(e) “Professional geophysical work” is work performed at a professional level rather than at a subprofessional or apprentice level and requires the application of scientific knowledge, principles and methods to geophysical problems through the exercise of individual initiative and judgment in investigating, measuring, interpreting

and reporting on the physical phenomena of the earth. Implicit in this definition is the recognition of professional responsibility and integrity and the acknowledgment of minimal supervision.

“Professional geophysical work” specifically does not include activities wherein the analysis or interpretation of geophysical or geological information is lacking. Such nonprofessional work could encompass party or crew chief and would encompass lesser forms of employment in field parties, the manufacture, assembly or maintenance and repair of geophysical instruments and performed by a technician in acquiring and reporting on geophysical information where the elements of initiative, scientific judgment and decision making are absent. It also does not include those engineering disciplines and other physical sciences wherein geophysical or geological investigation, analysis and interpretation are minimal or lacking.

EMPLOYMENT OPPORTUNITIES

GeoConcepts

GeoConcepts, Inc. is seeking two individuals to join our professional team of geologists and geotechnical engineers to perform geologic investigations in the Santa Monica Mountains. A project Geologist with three + years of experience and an entry level geologist. GeoConcepts, Inc. has a comprehensive benefit package. E-mail or FAX resumes in confidence to bob@geoconceptsinc.com or (818) 994-8599.

Earth Resources, Inc.

ERI is now accepting applications for experienced and entry level Staff Engineers and Field Technicians for full time employment in our Santa Clarita and Walnut offices. Email or fax resumes in confidence to: joe@radiusmaps.net or (800) 554-3205.



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Jeanne Krinsky

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Hydrometer Analysis
Liquid Limit, Plastic Limit, Shrinkage Limit
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Maximum Density
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