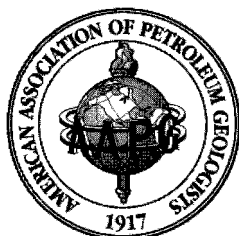


PACIFIC PETROLEUM GEOLOGIST NEWSLETTER



Pacific Section
American Association of Petroleum Geologists

January & February 2001 No.1

MESSAGE FROM THE PRESIDENT

I have a stack of unread journals piling up in a basket in a corner of my office. They call to me, and I promise to read them. Sometimes I look forward to weekends, holidays, or even vacation days so I will have time to "catch up." Other demands typically creep into my "free time," and usually the weekend or free evening passes with my beckoning journals continuing to collect dust. I suspect that most people reading this somewhat relate to the phenomenon and can hear their journals calling. Catching up (or keeping current) with our profession's technological and theoretical advances is an often neglected part of our job. It is a struggle we all face. Sometimes we are successful at this and sometimes we feel we are falling behind. Too often there is a sense that training costs too much or is too much trouble. My experience is that good training does not cost, it pays and is well worth the trouble.

A strategy I found useful is the combination of networking and taking classes. The best way to find out what training is particularly worthwhile is to ask my peers. Listen to what they have to say and listen to their experiences about what they have attended. Get a sense of who you need to contact for advice and call (or e-mail) them. Often you can quickly find out what training is good and what may not meet your needs. You can learn which instructors or venues are fantastic and which are in need of refinement. A myriad of networking and training opportunities exist that include society meetings, short courses, field trips, and symposia; regional and national conventions; AAPG Distinguished Lecturer Series; and AAPG short courses and field trips. Go to your society meetings, see what is going on, share your experiences, and listen to what others are saying. Much of what is available can be found on the Pacific Section AAPG website (www.psaapg.org) or through the links to our allied societies. If you do not see something that meets your needs or expectations, contact your local society and tell them or let me know what you would like to have offered. Don't be shy, for every one person that raises their hand there are ten or more that wish they did.

A relatively new resource to us is the Geotechnical Training Center (GTTC) at California State University at Bakersfield (CSUB). The GTTC was largely funded by the AAPG Foundation. One function of the Center is to provide training for consultants and displaced geologists in the newer technologies. Feel free to contact the Center director, Dr. Jan Gillespie (661-664-3040), or any GTTC Advisory Council member for information. The Advisory Council members are: Bob Countryman, Ken Hersh, Phil Ryall, Richard Pulle, Terry Thompson, Tom Skinner, Mike McCray, Steve Sanford, Roy Burlingame, and myself. The schedule of upcoming classes is available elsewhere in this newsletter.

At the very least, pick a day, grab a guidebook, and take your family or friends out to the field to look at rocks. You might have fun. You might be reminded of why you kept enrolling in geology classes in school. You might also be reminded of what your real priorities are in life.

Finally, five years ago when I worked for Bechtel Petroleum at the Elk Hills Naval Petroleum Reserve, who could have guessed that in December 2000 we would be witnessing fifty-nine dollars per MCF for natural gas. Back then I would have heard roars of laughter at that prediction. Also, who would have predicted chronic shortages of electricity in the winter, and that it would take over a month to figure out who won the presidential election!

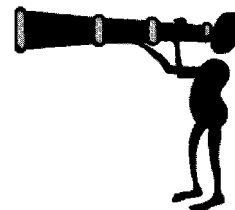
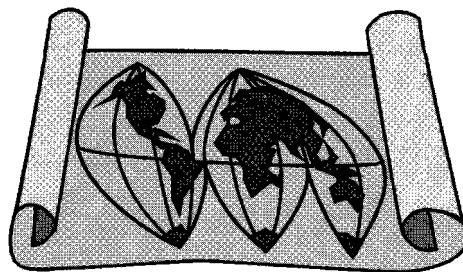
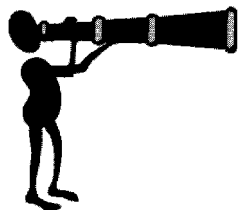
Hang on, participate, and do not get left behind.

—*Kay Pitts*
President, Pacific Section AAPG

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NEED AN AREA MAPPED?



How would you like to have this group of field geologists as part of your team?

**LEHI F. HINTZE
PETER D. ROWLEY
JOHN (JACK) G. VEDDER**

**PARKE D. SNAVELY, JR.
CLARENCE A. HALL, JR.
F. BARTLETT (BART) EKREN**

THOMAS A. STEVEN

These exceptional field geologists are all Dibblee Medal recipients, including Dr. Thomas A. Steven, who was awarded the Dibblee Medal by legendary field geologist Tom Dibblee in June of 2000.

Do you know someone who should be added to this list for 2001? Nominations of candidates to be considered for the eighth award of the Dibblee Medal are now being solicited. Nomination should include the name of the candidate, biographical data, a description of the geologic mapping, and the names of at least two geologists who support the nomination. Mail each nomination and supporting data by January 31, 2001, to:

**MR. JOHN R. POWELL, PRESIDENT
DIBBLEE GEOLOGICAL FOUNDATION
POST OFFICE BOX 2309
CAMARILLO, CALIFORNIA 93011**

The Thomas Wilson Dibblee, Jr. Geological Foundation (Dibblee Geological Foundation) has established the Dibblee Medal in recognition of the unique contributions of Tom Dibblee to the science of geologic mapping. The award consists of an attractive sterling silver medal bearing the likeness of Tom Dibblee; and on the reverse side, a geologic sketch map of California, the geology of which has been Tom Dibblee's domain for more than 60 years.

The Dibblee Foundation is a nonprofit corporation chartered in California in 1983 for the purpose of publishing Tom Dibblee's geologic mapping. To date, the Foundation has published the geology by Tom Dibblee in over one hundred full 7^o-minute quadrangles, with several hundred more awaiting publication. You can help our publication effort by sending a donation to the Dibblee Foundation.

Advanced Placement Geology Proposal and Update

We are not teaching geology to the vast majority of our high school students. Top science students around the country are enrolling in Advanced Placement (AP) courses, written by the College Board. If they pass the AP, they will either receive college credit or advanced placement into upper-level science courses in college. There is one problem. There is no AP course in geology. Not only do our brightest high school students miss the opportunity to learn about geology, but, having no introduction to the earth sciences in high school, they are unlikely to enroll in earth science courses in college.

Geoscience educators across the country agree that the institution of an AP Geology course would be an effective way to increase the exposure of our students to the earth sciences.

In September of 2000, Steve Kluge of Fox Lane High School, Mike Smith of AGI, Jeff Niemitz of NAGT, Diana Stordeur of GSA, and I met with Lee Jones of the College Board to discuss the possibility of an AP Geology exam. We brought a letter of support from twenty member societies of AGI. Our proposal was for a physical geology course because it is a course taught in most colleges and would therefore fit the criteria for an AP course. The College Board is interested and is preparing an on-line survey to determine the level of interest among high school teachers across the country. The survey will be posted at www.collegeboard.org/ap from January 20 through late March.

If you are interested in teaching AP Geology, or you know someone who is, or if you just want to keep current with our progress, please contact me or sign up for the AP Geology information site at www.bedford.k12.ny.us/flhs/science/apgeohome.html. Please forward this to other science educators who may be interested.

Thank-you.

Wendy Van Norden
Harvard-Westlake School
3700 Coldwater Canyon
North Hollywood, CA 91604
818-487-6665
wwannorden@harvardwestlake.com

THIS SPACE AVAILABLE FOR ADVERTISING

This newsletter is distributed to approximately 800 geologists and nearly 100 libraries and universities.

Placing an ad here is a good way to develop name recognition and remind customers how to reach you.

For advertising information, contact:

Larry Knauer
knauelc@texaco.com
661-392-2471

J.M. "BUZZ" DELANO, JR.
Consultant

Cell (661) 747-0337
Work (661) 325-3987
Fax/Home (661) 832-5229
Work/Fax (661) 322-2941

Delano Petrophysical Consulting Services

Email: BuzzBake@aol.com
5401 Business Park South
Suite 214
Bakersfield, California 93309

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661-328-1595

661-635-1452 DIRECT

661-328-1623 FAX

661-838-7978 CELLULAR

LES COLLINS
WEST COAST DIVISION MANAGER
CALIFORNIA REGISTERED GEOLOGIST #3907

collins@nobors.com EMAIL

POSITION AVAILABLE

GEOLOGIST (PETROLEUM) - Position is in the Oil and Gas/Special Properties Section of the Kern County Assessor's Office. This individual performs varied geologic work primarily associated with the evaluation of oil and gas properties for property tax purposes; provides technical assistance to appraisal and engineering staff with geologic problems involving oil and gas and other mineral properties; assists with appraisal work; serves as expert witness; does geological reservoir/formation analysis; and meets with oil industry representatives. Candidate should have good computer, organizational, and communication skills. Position requires BS Degree in geology/geophysics and 5 to 15 years experience. Prior work in development geology in the San Joaquin Valley and possession of California license as Registered Geologist preferred. Submit resume to: Kern County Assessor's Office, ATTN: Oil and Gas Section, 1115 Truxtun Avenue, Bakersfield, CA 93301, or FAX to (661) 868-3209.

PACIFIC SECTION—AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS
&

CORDILLERAN SECTION—GEOLOGICAL SOCIETY OF AMERICA

2001 Joint Meeting

“Forward to the Past” • Recent Advances in Research, Technology, Exploration, Production, and Teaching



April 9-11, 2001
Sheraton Universal Hotel • Universal City
North Hollywood, California

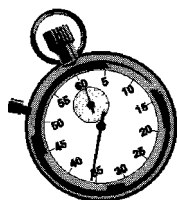


Hosted by
Department of Geological
Sciences, California State
University, Northridge,
and San Joaquin
Geological Society.

APRIL 2001						
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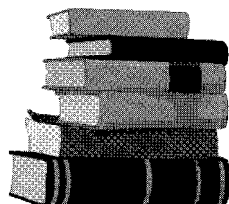
For more information,
contact Peter Weigand at
Peter.Weigand@CSUN.edu
(818-677-2564)
or Jeff Shellebarger at
JSHE@Chevron.com
(661-395-6413).

www.geosociety.org/sectdiv/cord/01cdmtg.htm



Time is running out ...

to submit an abstract to the 2001 joint meeting of the Pacific Section AAPG and Cordilleran Section GSA. **The deadline for submitting an abstract is January 5, 2001.** The abstract form and instructions are located at <http://gsa.confex.com/gsa/2001CD/index.html>. If you have any questions, contact the GSA Technical Program Coordinator, Nancy Carlson, at ncarlson@geosociety.org.



FOUNDATION FUNDRAISER

The Pacific Section AAPG Foundation
solicits your contribution of
OLD GEOLOGIC LITERATURE / BOOKS
to sell for the benefit of endowment funds
at the Pacific Section's April 2001 Convention.
The Pacific Section AAPG Foundation is a
501(c)(3) corporation.



Contact Mark L. Wilson at:
malw@chevron.com
or 661-395-6364

**DO YOU WANT TO BE IN THE
NEW 2001 DIRECTORY
FOR THE
PACIFIC SECTION
AAPG – SEPM – SEG
?**

The new Directory for the Pacific Section AAPG-SEPM-SEG will be assembled in January and ready in time for the Convention in April 2001. This Directory is a valuable tool to aid in locating and communicating with others in our industry. Since we only publish the Directory every other year, it is important that we have the most current and accurate information for each of our members.

If you are a member of the Pacific Section AAPG, contact Bob Countryman at bobc855@aol.com or 661-763-6178 to make sure that your dues are paid (only paid members will be included in the Directory) and your information is correct. *Members of the SEPM and SEG need to contact the membership officers in their societies.*

**IF YOU ARE A MEMBER, MAKE SURE YOUR DUES ARE PAID.
IF YOU ARE NOT A MEMBER, IT IS TIME TO CONSIDER IT.
CONTACT BOB COUNTRYMAN FOR INFORMATION.**

**Ad space will be available in the Directory.
Don't be left out!**

This is a good way to get your business information printed in a place that will be used frequently by potential customers for the next two years.

For more information contact Larry Knauer
at:
knauelc@texaco.com
661-392-2471

ALASKA

Alaska Geological Society
P.O. Box 101288
Anchorage, AK 99510
www.seclabs.com/ags
Contact: Monte Mabry
907-265-1653

Luncheon meetings are held on the third Thursday of the month at the Anchorage Hilton (500 W. 3rd Avenue) from 11:30 a.m. to 1:00 p.m. Upcoming meetings are scheduled for January 18 and February 8 (see Schedule of Events). The cost is \$16 (with reservations) or \$20 (without reservations). For information, contact **Greg Wilson** at 907-263-4748 or gcwilso@ppco.com; for reservations, contact 907-263-4232. Reservations should be made by Monday before the meeting.

AGS announces its 2001 competition for Excellence in the Teaching of Natural Resources in the Earth Sciences, for which it will award \$250 to a local K-12 teacher in Spring 2001. The winner will also be eligible for the Pacific Section AAPG 2001 Teacher of the Year Program (see pages 14-15 of the November/December 2000 newsletter). For information and entry forms, contact **Sue Karl** at 907-786-7428 or skarl@tundra.wr.usgs.gov.

COAST

Coast Geological Society
P.O. Box 3055
Ventura, CA 93006
www.coastgeologicalsociety.org
Contact: Mike Barminski
805-644-3397

Dinner meetings are held on the third Tuesday of the month (except July and August) at the American Legion Hall (83 S. Palm Street) in Ventura. Social hour starts at 6:00 p.m., and dinner is served at 7:00 p.m. The cost of dinner is \$12 (with reservation), \$17 (without reservation), or \$7 (students and K-12 teachers); the talk is free. Upcoming meetings are scheduled for January 16 and February 20 (see Schedule of Events). For information or reservations, contact **Steve Richardson** at richconinc@aol.com or **John Surigao** at 805-653-7975 (voice) or 805-653-7452 (fax); please make reservations by e-mail if possible. Reservations by e-mail should be made by 5:00 p.m. on Thursday before the meeting; reservations by voice or fax should be made by noon on Friday before the meeting.

CGS continues its 2001 competition for Excellence in the Teaching of Natural Resources in the Earth Sciences, for which it will award \$250 to a local K-12 teacher in early Spring 2001. The winner will also be eligible for the Pacific Section AAPG 2001 Teacher of the Year Program (see pages 14-15 of the November/December 2000 newsletter). For information and entry forms, contact **Joan Barminski** at joan.barminski@mms.gov or 805-389-7707.

LOS ANGELES

Los Angeles Basin
Geological Society
c/o Don Clarke
City of Long Beach
Dept. of Oil Properties
211 E. Ocean Blvd. Suite 500
Long Beach, CA 90802
562-570-3915

Luncheon meetings are held on the third Thursday of the month at 11:30 a.m. Upcoming meetings will be held in the Monarch Room at The Grande at Willow Street Centre (4101 E. Willow Street) in Long Beach and are scheduled for January 18 and February 15 (see Schedule of Events). The cost is \$17 or \$6 (students). For information or reservations, contact **Vid Duda** at 562-590-5271 or dudav@slc.ca.gov. Reservations should be made by Tuesday before the meeting.

LABGS continues its 2001 competition for Excellence in the Teaching of Natural Resources in the Earth Sciences, for which it will award \$200 to a local K-12 teacher in Spring 2001. The winner will also be eligible for the Pacific Section AAPG 2001 Teacher of the Year Program (see pages 14-15 of the November/December 2000 newsletter). For information and entry forms, contact **Karla Tucker** at ktr2@aol.com.

NEWS FROM THE AFFILIATED GEOLOGICAL SOCIETIES

NORTHERN CALIFORNIA

Northern California
Geological Society
9 Bramblewood Court
Danville, CA 94506-1130
Contact: Dan Day
925-294-7530

Evening meetings are held on the last Wednesday of the month at the Masonic Center (9 Altarinda Road) in Orinda. Social hour starts at 6:30 p.m., and the talk starts at 7:00 p.m. (no dinner). The cost is \$5. The upcoming meeting is scheduled for January 31 (see Schedule of Events). For reservations, contact **Dan Day** at 925-294-7530 (leave your name on the voice recorder any time before the meeting).

NORTHWEST

Northwest Energy Association
P.O. Box 6679
Portland, OR 97228-6679
www.nwenergyassociation.org
Contact: Doug Schwarm
503-603-6698

Luncheon meetings are usually held on the second Friday of the month at 1:00 p.m. at the Multnomah Athletic Club (1849 S.W. Salmon Street) in Portland. Upcoming meetings are scheduled for January 12 and February 9 (see Schedule of Events). The cost is \$15. For information or reservations, contact **Shelly Thomas** at 503-848-2947 or **Jack Meyer** at 503-226-4211 ext. 4683.

SACRAMENTO

Sacramento Petroleum
Association
P.O. Box 254443
Sacramento, CA 95865-4443
Contact: Jack Smith
916-322-1110

Luncheon meetings are held on the third or fourth Wednesday of the month at noon at the Hungry Hunter Restaurant (450 Bercut Drive) in Sacramento. The cost is \$15. For information or reservations, contact **Jack Smith** at 916-322-1110.

SPA announces its 2001 competition for Excellence in the Teaching of Natural Resources in the Earth Sciences, for which it will award \$350 to a local K-12 teacher in February 2001. The winner will also be eligible for the Pacific Section AAPG 2001 Teacher of the Year Program (see pages 14-15 of the November/December 2000 newsletter). For information and entry forms, contact **Jack Smith** at 916-322-1110.

Welcome to the new SPA officers: **Jack Smith** (President), **Marc Brennen** (Vice President), and **Pam Ceccarelli** (Secretary/Treasurer).

SAN JOAQUIN

San Joaquin
Geological Society
P.O. Box 1056
Bakersfield, CA 93302
www.sjgs.com
Contact: Dan Stewart
661-763-2008

Dinner meetings are held on the second Tuesday of the month (except summer months) at the American Legion Hall (2020 H Street) in Bakersfield. The icebreaker starts at 6:00 p.m., dinner is served at 7:00 p.m., and the talk starts at 8:00 p.m. Upcoming meetings are scheduled for January 9 and February 13 (see Schedule of Events). The cost of dinner is \$15 (with reservations) or \$18 (without reservations); the talk is free. For information or reservations, contact **Russ Robinson** at 661-665-6266 or rrobinson@csu.edu.

SJGS continues its 2001 competition for Excellence in the Teaching of Natural Resources in the Earth Sciences, for which it will award \$500 to a local K-12 teacher in February 2001. The winner will also be eligible for the Pacific Section AAPG 2001 Teacher of the Year Program (see pages 14-15 of the November/December 2000 newsletter). For information and entry forms, contact **Paul Mock** at 661-395-6499 or phmo@chevron.com.

SCHEDULE OF EVENTS

Pacific Section AAPG & Affiliated Geological Societies January & February 2001

January 9

SJGS Monthly Dinner Meeting

Location: American Legion Hall, Bakersfield, CA
Speaker: Andrei Sarna (U. S. Geological Survey)
Topic: Volcanic Ash Correlations

January 12

NWEA Monthly Luncheon Meeting

Location: Multnomah Athletic Club, Portland, OR
Speaker: Randy Freedman (NW Natural)
Topic: Gas Prices

January 16

CGS Monthly Dinner Meeting

Location: American Legion Hall, Ventura, CA
Speakers: Peter Weigand (California State University, Northridge)
and Imelda Cragin (County of Santa Barbara)
Title: Geology Field Trip of Argentina

January 18

AGS Monthly Luncheon Meeting

Location: Anchorage Hilton, Anchorage, AK
Speaker: David Houseknecht (U. S. Geological Survey)
Title: Outcrop Studies and Sequence Stratigraphy in the
Brookian Foreland Basin, Brooks Range Foothills, AK

January 18

LABGS Monthly Luncheon Meeting

Location: The Grand at Willow Street Centre, Long Beach, CA
Speaker: Ivan Colburn (California State University, Los Angeles)
Title: The Salton Sea: Can It Be Saved, A Geologist's
Cost-Benefit Analysis

January 27

NCGS Field Trip

Location: Caldecott Tunnel, CA
Leader: Jean Moran (Stetson Engineers)

January 31

NCGS Monthly Dinner Meeting

Location: Masonic Center, Orinda, CA
Speaker: Keith Knudsen (California Division of Mines and Geology)
Topic: New Quaternary Mapping in San Francisco Bay Area
Region and Use in Developing CDMG Seismic
Hazard Zone Maps

February 8

AGS Monthly Luncheon Meeting

Location: Anchorage Hilton, Anchorage, AK
Speaker: Lee F. Krystinik (Krystinik Litho-Logic)
Title: Sequence Stratigraphic Variability in Foreland
Basins: An Example from the Western Interior
Seaway of North America

February 9

NWEA Monthly Luncheon Meeting

Location: Multnomah Athletic Club, Portland, OR
Speaker: To Be Determined
Title: To Be Determined

February 10

BLM Field Trip (Co-sponsored by PS-AAPG)

Location: Ventura Basin, CA
Leader: Gregg Wilkerson (BLM)

February 13

SJGS Monthly Dinner Meeting (Spouse Night)

Location: American Legion Hall, Bakersfield, CA
Speaker: Roland Brady (California State University, Fresno)
Title: Frontier Mapping in Patagonia and Geology in
the Atacama Desert

February 15

LABGS Monthly Luncheon Meeting

Location: The Grand at Willow Street Centre, Long Beach, CA
Speaker: To Be Determined
Title: To Be Determined

February 20

CGS Monthly Dinner Meeting

Location: American Legion Hall, Ventura, CA
Speaker: John Warne (Colorado School of Mines & AAPG
Distinguished Lecturer)
Title: Active Margin Sequences and Submarine Canyon
Facies Models

.....

Upcoming Events

- March 9 • NWEA Monthly Luncheon Meeting
- March 15 • AGS Monthly Luncheon Meeting
- March 15 • LABGS Monthly Luncheon Meeting
- March 20 • CGS Monthly Dinner Meeting
- April 9-11 • Pacific Section Convention
- April 17 • CGS Monthly Dinner Meeting
- April 19 • AGS Monthly Luncheon Meeting
- April 19 • LABGS Monthly Luncheon Meeting
- April 25 • NCGS Monthly Dinner Meeting
- May • NCGS Field Trip (proposed)
- June 3-6 • AAPG Annual Meeting



January 2001



Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9 SJGS Meeting	10	11	12 NWEA Meeting	13
14	15	16 CGS Meeting	17	18 AGS Meeting LABGS Meeting	19	20
21	22	23	24	25	26	27 NCGS Field Trip
28	29	30	31 NCGS Meeting			



February 2001



Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8 AGS Meeting	9 NWEA Meeting	10 BLM Field Trip
11	12	13 SJGS Meeting	14	15 LABGS Meeting	16	17
18	19	20 CGS Meeting	21	22	23	24
25	26	27	28	29		

MEMBER NEWS

New & Reinstated Members

Ariel D. Auffant – *Chevron USA*, Bakersfield, California
Frank J. Cooper – *Coopers Log Service*, Bakersfield, California
Jamin De Prang – *ExxonMobil*, Anchorage, Alaska
James T. Dudley – *Fidelity Resources*, Morro Bay, California
Tracey L. Fleming-Reese – *EarthQuest Technology*, Bakersfield, California
Boyd S. Getz – *RFT Inc./JP Oil Co.*, Bakersfield, California
Dale L. Hankins – *Consultant*, Bakersfield, California
Kathleen M. Marsaglia – *California State University, Northridge*, California
Todd J. Tranby – *Earth Systems Consultants*, Ventura, California

In Memory

FREDERICK CHICAGO PORTER

October 4, 1918 – May 25, 2000

Frederick C. Porter was born in Chicago, Illinois, and raised in Santa Monica, California. He graduated from USC with an A.B. in Geology and was employed for five years by Standard of California and subsidiaries in geological exploration in California, Colombia, South America, and Texas. He served as Director and Vice President of Oceanic Oil Company in charge of oil field development, production, and engineering from 1948 to 1959 and had been a self-employed Petroleum Geologist Consultant since 1959.

Fred was a generous, compassionate philanthropist who quietly helped many people, organizations, and charities. He loved his family and friends, and they loved him. His zest for life and interest in history led him into extensive world travel.

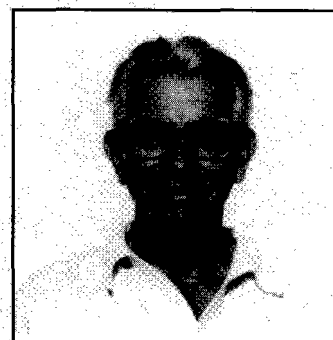
He was an accomplished pianist and linguist, an enthusiastic athlete, and a gardener. He was a delightful gentleman with an optimistic, charming, upbeat personality. He enjoyed music and loved to dance, especially to the Latin rhythms he learned in South America.

He was a member and past president of the Bakersfield Rotary Club, a member of the American Association of Petroleum Geologists, American Institute of Professional Geologists, Sigma Chi Fraternity, Quest Club, Stockdale Country Club, Panama Baptist Church, and the 1969 Kern County Grand Jury. He was California State Registered Geologist No. 356.

Fred is survived by his loving wife, Jean Porter, a daughter and son and their families, and a stepdaughter and stepson and their families. He was predeceased by his parents and his younger brother.

—*Excerpted from an obituary by Jean Porter*

—*Editor's note: Fred Porter was a member of the Pacific Section AAPG since 1945 and was among those with the longest period of sustained membership. His Pacific Section colleagues miss him.*



Gene Fritsche's Retirement Celebration

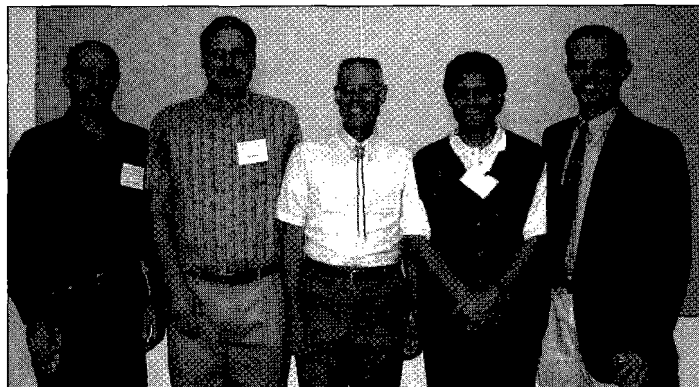
California State University, Northridge



Gene Fritsche (3rd from left) and Peter Weigand (4th from left) view photo memories with alumni.

After 37 years of teaching geology at CSUN, Gene Fritsche has retired. His retirement dinner was held on the CSUN campus on December 2, 2000, and it was an outstanding event. It started with an open house in the Geological Sciences Department where alumni could reacquaint themselves with the faculty and see the post-earthquake facilities. This was followed by a happy hour during which guests could view displays of Fritsche and field-class memorabilia. An excellent buffet dinner was next on the program. Desert was a chocolate mousse cake in the shape of a giant petrified log.

Because most of those in attendance only knew Gene in the professional half of his life, the entertainment included three musical numbers performed by Gene's barbershop quartet. It was a real revelation for most of the attendees. Next on the program was a very funny comedy monologue by Blake Clark, husband of geology major Sharon Clark. Blake ended his monologue with "The Retirin' Sedimentologist Blues", a song composed by Blake and Sharon Clark.



Gene Fritsche (center) at his retirement dinner with alumni (from left) Don Indermill, Dave White, John Yaldezian, and Eric Indermill.



Gene Fritsche, wife Sue Fritsche, and alumnus Rick Miller (B.S. 1965, now a professor at San Diego State University).

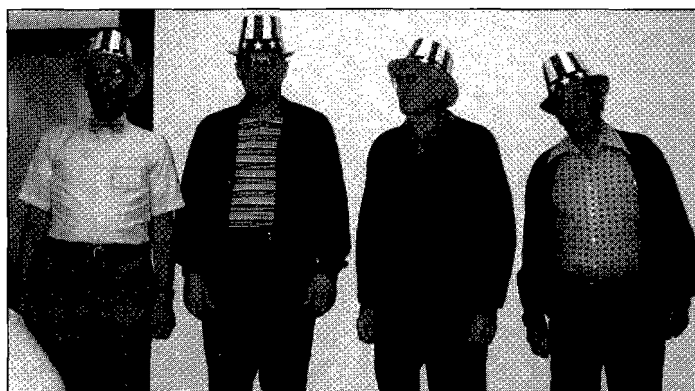
After the song, Master of Ceremonies Peter Weigand, along with George Dunne and John Cooper, made comments on Gene's accomplishments and his impact on the Department and its faculty and students. John Cooper revealed that the Pacific Section SEPM, at its April 2001 meeting in Universal City, would bestow on Gene its first-ever Lifetime Achievement award. The program ended with a slide show arranged by George Dunne that contained pictures of Gene and the field classes at CSUN.

Everyone in attendance had their picture taken and wrote comments in a memory book for Gene. This event was also scheduled as the first annual CSUN geology alumni dinner.

About 125 people attended,

including 20 percent of all the CSUN geology alumni, and everyone is looking forward to next year.

—*Editor's note: Many thanks to Gene Fritsche and Peter Weigand, who provided the text and photos.*



Gene Fritsche (left) and his barbershop quartet perform for the guests at his retirement dinner. Quartet members (from right) are Ron Maine, John Wilson, and Homer Hummel.



Tony Reid and Susan Reid (back to camera) eating dinner with other alumni.

A Tribute to Bill Rintoul

A biographical tribute presented at the December 12, 2000, meeting of the San Joaquin Geological Society.

By Hal Bopp

I am truly humbled to present the biography of Bill Rintoul. We talk about what a great person he is, but we also, as happens with great people, take him for granted. The perspective of someone outside the industry is important, and Chip Powers, the current oil columnist for the *Bakersfield Californian* said that Bill had a tremendous influence on him. "It's rare that someone follows a single industry for so long, and in such depth. His writing helped me understand." Bill has covered the oil patch for over 50 years, and it's that long-term commitment and dedication that has served all of us in the oil industry so well.

Bill was born in Taft in 1922, grew up in Taft, is very proud that he is from Taft, and attended Taft High School, but he never saw himself working in the oil industry (we never do!). He had developed an interest in journalism and went off to UC Berkeley, his father's alma mater, in 1940 to major in that subject. Then came World War II, and Bill joined the 89th Infantry Division, after graduating, and went off to the European front. He was one of the "ordinary Americans" Tom Hanks and others talk about who did nothing less than go off and save the world, and typical of Bill, he passed on being an officer and went as a foot soldier saying that he felt he belonged with the working men like those he grew up with in Taft. Right up there with the oil industry are some of Bill's stories about the war – intelligent, honest, human, insightful.

After the Army, Bill continued to travel as a surveyor, going down into Mexico and Central America, but he returned home during Christmas of 1947 where he met Frankie Jo. They were married in 1948, and Bill went to work as a roustabout for Standard Oil. But he still wanted to be a writer – in his usual laid-back fashion he said that "I thought what I'd do is be a writer. I'd read a lot of books and thought, 'Shoot, I can do that.'" So, he returned to school on the G.I. Bill, this time to Stanford and got his master's degree in journalism.

He went to work for *The Californian* in 1949 as a freelance beat reporter and said that being payed by the inch made him more observant. It was then that *The Californian* wanted to start an oil column, and since Bill had some oilfield experience, they offered it to him. That was the beginning of Oilfield News, Bill's signature column. He could have had a salaried position at that point, but he never did. "I'm not very good following instructions sometimes. I like to write stories the way I think they should be done."

Well, Oilfield News was over 50 years old when Bill retired earlier this year, and it continues capably under Phil Ryall. During his career, Bill contributed stories to the *San Francisco Chronicle*, *Los Angeles Times*, *Tulsa Daily World*, *Pacific Oil World*, and the *Oil and Gas Journal*. He wrote four major books about the oil industry, "Spudding In", "Drilling Ahead", "Oildorado", and "Drilling Through Time", which was commissioned by the D.O.G. to commemorate our first 75 years, in 1990. He also has two collections of short stories and has been published in a number of anthologies. But it was the Oilfield News that has carried on through all these years. Bill had an incredibly loyal following, far and wide, with the column being mailed to people in far-flung corners, and with the advent of the electronic age, finally available to people throughout the

world on the internet. Once, when Bill was up on the north slope of Alaska, he saw a copy of his column posted in a doghouse, and that really impressed him. Of course, he focused on Kern County and California, but he also covered the oil patch in Alaska, Oklahoma, Texas, and throughout the world in some of his travels. One of the important things Bill did was focus on the people, honoring those who had contributed greatly to the industry,

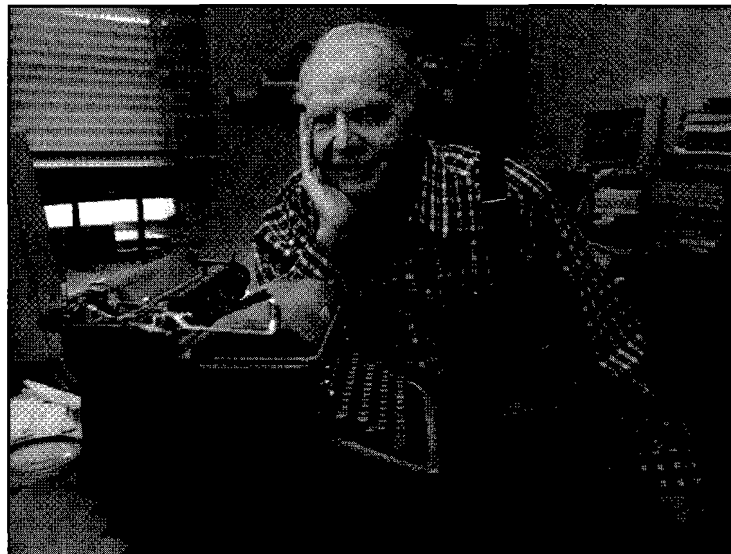
talking about life in the oil patch, and one of the things a lot of us really valued were his stories about the men who went from Taft and Kern County to work in the oilfields of Bahrain, Saudi Arabia, and throughout the world. While he was honest and thoroughly analytic, Bill was always positive – I know he made me sound better than I deserved.

Bill's nerve center, as many of you know, was always his office located in the garage behind his house in old Westchester. This office was not the picture of modern technology or convenience, although he does have a computer, and you would think at first glance that he wouldn't be able to find anything in there. But Bill could meticulously access anything he had written and any of the excellent photographs he had taken. When Elk Hills 934-29R was drilled in 1987 as the deepest well in the state, I thought it would be a good idea to list all the wells drilled deeper than 20,000 feet in the state. Then, I realized I didn't really have such a list. Well, this wasn't the first time I was going to plagiarize Bill (and readily admit it to him), so I called him and asked if he might have a list of all the wells drilled deeper than 20,000 feet in California. He said, "Oh, I

Continued on page 13

"It's rare that someone follows a single industry for so long, and in such depth. His writing helped me understand."
—Chip Powers
Bakersfield Californian

"I thought what I'd do is be a writer. I'd read a lot of books and thought, 'Shoot, I can do that'."
 —Bill Rintoul



"I'm not very good following instructions sometimes. I like to write stories the way I think they should be done."
 —Bill Rintoul

Bill Rintoul
 (Photo courtesy of Alex Horvath, Bakersfield Californian)

Continued from page 12

might have something like that around here," and in 15 seconds he was back on the phone, "Yeah, here it is," and he listed them off to me (there have been a total of ten by the way).

Bill is always so courteous and pleasant that you can be fooled into thinking he isn't also a tough journalist (not something you want to be fooled about as a state official). We had one episode with a new Department of Conservation Public Affairs Officer who came out with the blanket edict that, "any contact with journalists and any information given to journalists would go through her, no exceptions." We inquired about Bill, who among other things always summarized our notices to drill, and were told "No exceptions!". Within a couple of days, I was on the phone explaining this new policy to Bill, and he pleasantly asked for her name and how to contact her. Apparently, he pointed out to her various problems withholding public information from the press, including the Freedom of Information Act and other constitutional provisions with which he was very well versed. A day later we got the message from

our PAO; there was now one exception, we were allowed to speak and provide information to Bill Rintoul.

For the record, here is a partial list of Bill's honors, something that I know always surprises and embarrasses him: starting with the Bronze Star from World War II. [See below.] Along with that, he has been honored by every local organization, and now by the San Joaquin Geologic Society.

As I think a lot of us know, Bill is not doing too well. He is still visited by his old friends, and he and Frankie Jo appreciate that. They have been married for 52 years and have two children, Susan Parker, who is a teacher in Clovis with two grown children; and Jim, who is a computer programmer and software training specialist in Santa Cruz, also with two grown children. Frankie Jo, who is every bit as positive a person as Bill, is doing well. She belongs to a very active support group and continues to work at the Guild House. She will only talk positively about the many many good years they have had and all the traveling they have done. Honestly, I still hope that Bill has many more stories to tell.

AMONG BILL RINTOUL'S HONORS ...

- WWII Bronze Star
- 1973 Desk & Derrick Oil Person of the Year
- 1980 Taft Oildorado Grand Marshall
- 1986 Pacific Section AAPG Journalism Award
- 1989 API Oil Baron
- 1990 National AAPG Journalism Award
 (for notable journalistic achievement in communications contributing to public understanding of geology)
- 1995 IOPA Ray Bradley/Tom Woodward Lifetime Achievement Award
- 1996 CIPA Lifetime Achievement Award
- 2000 The Kern Press Club Scholarship
 (an annual scholarship established in Bill's name to be presented to students majoring in journalism or communications)

New CCGO Executive Director

Dave Bernal, an independent consultant in Santa Barbara, is the new Executive Director of the California Council of Geoscience Organizations (CCGO). (He learned about this opportunity through the Pacific Petroleum Geologist Newsletter.) Dave is a Registered Geologist with more than 20 years of experience and training in the oil and gas and environmental industries, and is a twenty-year member of AAPG, Coast Geological Society, and the Groundwater Protection Council. He will be working with other CCGO officers (including John Karachewski, Pacific Section AAPG's liaison to CCGO) in support of the Council's mission, which is to advocate the use of sound geologic knowledge and practice by proposing, reviewing, and monitoring statutes, regulations, and public policies. Dave can be contacted at 805-564-1172 or DMBernal@aol.com. John can be contacted at 925-424-5063 or johnkarachewski@sprintmail.com. For more information about CCGO, visit their website at www.ccco.org.

Volunteer Opportunities for Geoscientists

A pool of volunteer geologists and geophysicists is being established to fill openings on the California State Board of Registration for Geologists and Geophysicists standing committees as they occur. The committees are: Examination, Technical Advisory, and Legislative. If appointed to a committee, an individual is expected to donate 6 to 8 days per year to attend committee meetings plus additional time for projects. Committee appointments are unpaid except for expenses. If you are interested in volunteering, submit your resume to the Board and specify your interests.

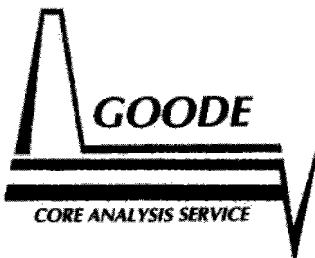
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U.S. Energy Statistics

Did you know that:

- U.S. proven oil reserves (21 billion barrels) have declined 26 percent since 1985 (28.4 billion barrels).
- Natural gas supplies about 25 percent of the nation's primary domestic energy requirements.
- 1.7 million barrels of crude oil per day are used for jet fuel.

These are among many interesting statistics cited in "DPA Energy Facts" on the AAPG Division of Professional Affairs (DPA) website. To access them, go to the AAPG home page at www.aapg.org and click on "DPA Energy Facts" or go directly to www.aapg.org/divisions/dpa/energyfacts.html.

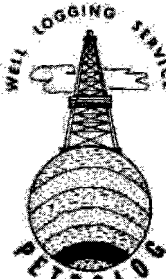


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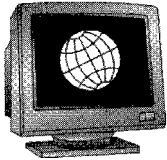
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FEBRUARY GEOTECH CENTER CLASSES @ CSUB!

Introduction to GeoGraphix GESX

This course is designed to familiarize the geoscientist with the GESXplorer software program. It uses a hands-on approach to introduce the comprehensive data management and mapping package to the novice and intermediate user. Topics include importing data, managing cultural and well data, building basemaps, creating cross sections, contouring subsurface data, generating structure and isopach maps, and generating display montages. Two data sets will be utilized during the course – one from the Williston Basin and one from a local California oil field.

Instructor: Mark Yarlot, Berry Petroleum
Course Meetings: Monday & Wednesday nights, 6-9 p.m.
February 5, 7, 12, 14, 19, 21, 26 & 28
Cost: \$375 (includes course manual)
Registration Deadline: January 29, 2001
Maximum Enrollment: 12

Introduction to EarthVision

This course will combine the use of Landmark and EarthVision for creating 3D reservoir models. An introduction to 3D modeling and EarthVision is presented with an emphasis on complex structural and stratigraphic settings. The course will cover basic Unix and shell scripting, fault modeling, horizon stacking, property modeling, automated map construction, and new well planning.

Instructor: Stephen Smart, Subsurface Modelling Concepts, Inc.
Course Meetings: Tuesday & Thursday nights, 6-10 p.m.
February 6, 8, 13, 15, 20 & 22
Cost: \$350
Registration Deadline: January 30, 2001
Maximum Enrollment: 10

Other upcoming courses:

In March: Introduction to SURFER
IESX GeoQuest Seismic Interpretation
In April: Introduction to Prizm
Introductory UNIX for the Petroleum Professional

Watch the GTTC newsletter/website for details: www.cs.csubak.edu/Geology/center.html.

Registration:

Without University Credit

Send contact information (phone number and/or e-mail address) and a check (payable to CSUB Foundation - GTTC) for the entire course fee to:

Dr. Jan Gillespie
Department of Geology
California State University
9001 Stockdale Highway
Bakersfield, CA 93311

With University Credit

Each course counts as 2 credits of Geology 577 (Instruction in Geotechnology). Students must apply to the University and enroll in Geology 577 in order to receive credit.

For more information about the local and cost-effective training offered at the West Coast GeoTechnology Training Center (GTTC) at California State University, Bakersfield, visit the website at www.cs.csubak.edu/Geology/center.html or contact Jan Gillespie at 661-664-3040 or jan@cs.csubak.edu.



GEOLOGY FIELD TRIP – THE VENTURA BASIN
VENTURA, OJAI, SANTA PAULA, LAKE PIRU
February 10, 2001

The Bureau of Land Management and the Buena Vista Museum of Natural History, in association with staff from Santa Barbara Botanic Gardens, U.S. Forest Service, U.S. Fish and Wildlife Service, Dibblee Foundation, Coast Geological Society, Los Padres Interpretive Association, and Pacific Section AAPG, are sponsoring a one-day field trip in the Ventura Basin.

ITINERARY

The field trip starts at 8:00 a.m. from Channel Islands National Park Visitor's Center at 1901 Spinniker Drive in Ventura. From there we go to the Olivas Adobe and museum, a well-restored Spanish colonial-era structure. Then we go to the Ventura County Historical Society Museum. After lunch we go through Ojai to the Silverthread Oil Seeps and the Union Oil Museum in Santa Paula. This is followed by an excursion to Bardsdale to learn about the effects of the St. Francis Dam disaster and to Blue Point Mining District at Lake Piru.

- 6:00 a.m. Leave Bakersfield (BLM Complex, 3801 Pegasus Drive)
- 8:30 a.m. Channel Islands National Park Visitor's Center
- 9:30 a.m. Olivas Adobe
- 10:30 a.m. Ventura County Historical Society
- 11:30 a.m. Lunch (Downtown Ventura)
- 1:00 p.m. Silverthread Oil Seeps
- 2:00 p.m. Sulfur Mountain
- 3:00 p.m. Union Oil Museum, Santa Paula
- 5:30 p.m. Blue Point, Lake Piru
- 8:00 p.m. Return to Bakersfield

RESERVATIONS & REGISTRATION FEE

Complete the reservation form below. Make your check payable to "Buena Vista Museum of Natural History" and mail to BVMNH, 1201 20th Street, Bakersfield, CA 93301. The registration fee for those riding in the BVMNH vans is \$40.00 per person. For persons taking their own vehicles, the registration fee is \$25.00 for one person or \$40 per vehicle (regardless of how many people are in that vehicle).

OTHER INFORMATION

You will be asked to sign a "Hold Harmless" agreement before the field trip begins.
 Bring a sack lunch and plenty of water.
 Bring a CB radio. If you do not have a CB, you can rent one for \$5.00.

CONTACT

If you have any questions, contact Dr. Gregg Wilkerson of BLM at 661-391-6177.

RESERVATION FORM

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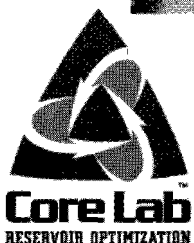
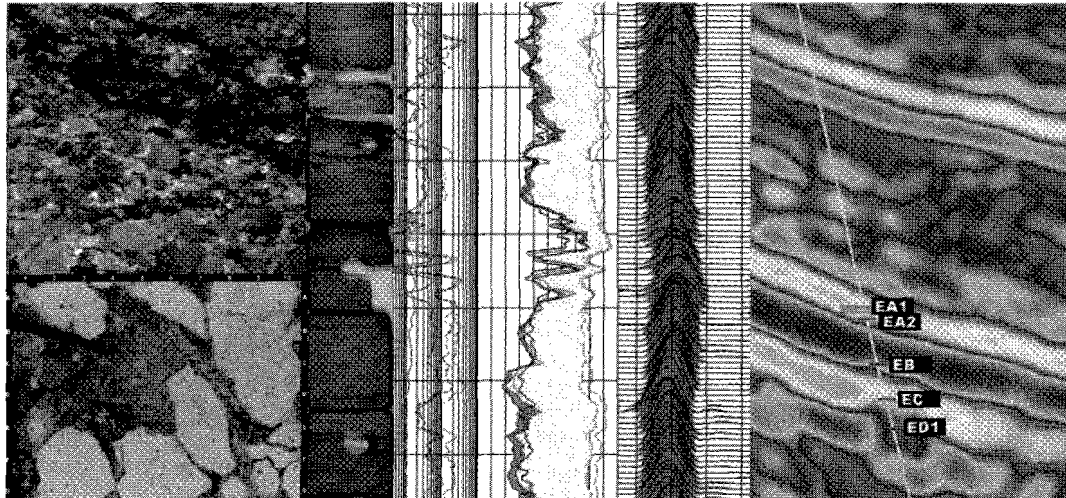
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IN ASSOCIATION WITH SOUTHERN UTAH UNIVERSITY AND THE DIXIE GEOLOGICAL SOCIETY
FIELD CONFERENCE, CEDAR CITY, UTAH – SEPTEMBER 20-23, 2001

IN MEMORIAM: J. HOOVER MACKIN

THE MACKIN CONFERENCE

CALL FOR PAPERS AS POSTER PRESENTATIONS

The UGA - AAPG/PS 2001 Field Conference, to be held in Cedar City, Utah, September 20-23, 2001, dedicated to the memory of J. Hoover Mackin, is to have as its focus the nature of the geologic transition from the Colorado Plateau to the Basin Range Province. The field trips will concentrate on the transition from the High Plateaus of Utah to the Great Basin. The Conference Steering Committee is actively soliciting professional papers as poster presentations on any aspect (structural, stratigraphic, paleontologic, geomorphic, hydrologic, etc.) of this transition in any area where it is present. Abstracts of accepted presentations will be included with longer professional papers in the symposium volume to be published in conjunction with the conference.

The registration fee for the conference will be \$75.00, in which will be included the cost of the symposium volume and attendance at the conference banquet. The featured speaker at the banquet will be Dr. Charles Groat, Director, U.S. Geological Survey. Four day-long field trips, at participant cost of \$50-75, will be conducted: (1) The Hurricane fault zone (S. Reber and W. Taylor, co-leaders), (2) Cretaceous stratigraphy of the western Markagunt Plateau (J. Eaton, leader), (3) The Caliente caldera complex, Nevada (P.D. Rowley, leader), and (4) Structure, stratigraphy and oil potential of the Great Basin (R. Fink, leader).

Deadline for submission of abstracts is March 15, 2001. Information on their submission and on the conference in general may be had by contacting:

M. C. Erskine, Ph.D.
5413 Silva Avenue
El Cerrito, CA 94530
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mcerskine@home.com

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SNAPSHOTS FROM A RECENT FIELD TRIP

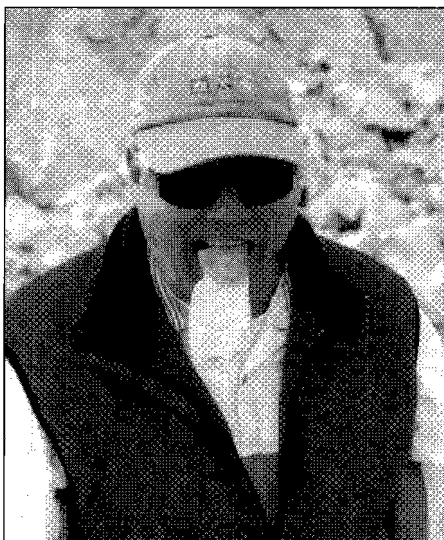
The **San Joaquin Geological Society** hosted a field trip to the west side of the San Joaquin basin on December 1, 2000. Sixty-one participants made five stops to various turbidite and diatomite outcrops, including the diatomite mine where Johnny Cat Kitty Litter is produced. The stops were new to most participants or had not been visited in many years. Neal Livingston of Nuevo Energy encouraged participation in the Hanging Chad Contest. Participants had to find the largest piece of diatomite that would stay attached to their tongue for at least five seconds.

Special thanks to **Aera Energy** for supplying four vans for the trip!



SJGS field trip participants at the diatomite mine.

Dr. Bob Horton of Cal State Bakersfield participated in the Hanging Chad Contest. He didn't win. His chad was too small.



Frank Cressy, consultant from Bakersfield, also participated in the Hanging Chad Contest. He came in third.

Texaco geologists at the diatomite mine. From left to right: Digger Ware, Dann Johannesen, Jim Eacmen, Mike Clayton, Ken Frost, and Mike Ponek.



***Deadline for the
March/April issue:
February 5, 2001***

Visit the Pacific Section AAPG
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www.psaapg.org

NEWSLETTER of the
Pacific Section of the American Association of
Petroleum Geologists is published bi-monthly by
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Material for publication should be sent to:

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Pacific Section
American Association of Petroleum Geologists

March & April 2001 No.2

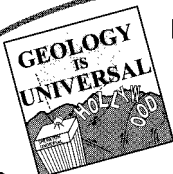
MESSAGE FROM THE PRESIDENT

This column is shorter than usual to allow room for all the other exciting material about the convention and other initiatives going on in the Section. As you might expect, I hope to see you at the 2001 PS AAPG/Cordilleran Section GSA (CS GSA) convention April 9-11 at the Sheraton Universal in Universal City, Los Angeles. We are once again breaking ground with our joint convention. The ground work for this convention was laid years ago by Tom Wright and Bruce Blackerby (CS GSA Secretary). I believe they envisioned a meeting where the industry, academics, and students would get together to share the present and future of our science with both groups contributing to the present and future perspectives. The San Joaquin Geological Society, which is the host society for PS AAPG, has worked closely with Cal State Northridge (the host GSA organization) to ensure a totally blended convention, drawing on the strengths of both groups. Jeff Shellebarger and Dr. Peter Weigand, the PS AAPG and CS GSA co-chairs respectively, have worked closely together to bring us an outstanding technical program, great continuing education courses and field trips, networking opportunities, special speakers, and a fun place for the attendees and their families—all at a very reasonable price.

Take the time to see and hear what others are doing in the science of geology.

As they say, education does not cost, it pays!

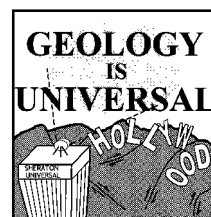
—*Kay Pitts*
President, Pacific Section AAPG



Look for this symbol throughout this newsletter for more information about the 2001 Joint AAPG/GSA Meeting in Universal City!

Register Now!

2001 Joint Meeting
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CORDILLERAN SECTION GSA



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Information & Online Registration:
www.geosociety.org/sectdiv/cord/01cdmtg.htm

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Correlation Section Update: The Santa Barbara Channel Series

The Pacific Section AAPG has completed 43 correlation sections in California basins since the first section was published in 1952. All have received widespread use as a valued reference, sometimes providing the only starting point available to a geologist new to a basin. Equally important, they provide a means of preserving and making available to the public the knowledge and concepts of geologists who have worked the basins for years (most of whom have long since retired).

The current cross-section committee is constructing a series of 11 correlation sections across the Santa Barbara Channel, five of which were presented by Tom Redin in a poster session at the 2000 Pacific Section Convention in Long Beach. The first section of the Santa Barbara Channel Series was completed in 1998 and was included in MS 44, *The Geology and Petroleum Potential of Santa Barbara Channel, California*. This series of sections should be completed by the end of next year. Additionally, sections in new areas and revisions to old sections are under consideration.

None of this work comes without cost. To date, members of the cross-section committee have incurred considerable out-of-pocket expenses for materials, log reductions, copies, etc. More of these expenses will be incurred, and there will be significant expenses associated with the drafting and printing of these sections. With fewer companies available to sponsor this type of work, we are asking the PS AAPG membership for your financial support of this very worthwhile endeavor. In addition to deriving technical benefit from these sections, you will have the satisfaction of having helped preserve a vast amount of geological knowledge for present and future generations of California geologists. Please consider a contribution of \$50 or more for individuals, and \$500 or more for companies. Be sure to note Correlation Sections on your check made payable to the PS AAPG Robert N. Hacker Fund.

—Tom Hopps

Mark Pahler
Operations Coring Coordinator



INTEQ (Formerly Christensen Coring)

6117 Schirra Court
Bakersfield, California 93313
Tel: 661-834-9654, 800-366-9654
Fax: 661-834-2450
Pgr: 661-321-7156
E-Mail: mark.pahler@inteq.com

J.M. "BUZZ" DELANO, JR.
Consultant

Cell (661) 747-0337
Work (661) 325-3987
Fax/Home (661) 832-5229
Work/Fax (661) 322-2941

Delano Petrophysical Consulting Services

Email: BuzzBake@aol.com
5401 Business Park South
Suite 214
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661-328-1623 FAX

LES COLLINS
WEST COAST DIVISION MANAGER
CALIFORNIA REGISTERED GEOLOGIST #3907
661-838-7978 CELLULAR
lcollins@nabors.com E-MAIL



UTAH GEOLOGICAL ASSOCIATION
PACIFIC SECTION/AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS
IN ASSOCIATION WITH
SOUTHERN UTAH UNIVERSITY AND THE DIXIE GEOLOGICAL SOCIETY
FIELD CONFERENCE, CEDAR CITY, UTAH - SEPTEMBER 20-23, 2001

IN MEMORIAM: J. HOOVER MACKIN

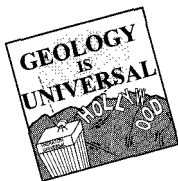
THE MACKIN CONFERENCE THE GEOLOGIC TRANSITION HIGH PLATEAUS TO GREAT BASIN

The UGA - AAPG/PS 2001 Field Conference, to be held in Cedar City, Utah, September 20-23, 2001, dedicated to the memory of J. Hoover Mackin, is to have as its focus the nature of the geologic transition from the Colorado Plateau to the Basin Range Province. The field trips will concentrate on the transition from the High Plateaus of Utah to the Great Basin.

The registration fee for the conference will be \$75.00, in which will be included the cost of the symposium volume and attendance at the conference banquet. The featured speaker at the banquet will be Dr. Charles Groat, Director, U.S. Geological Survey. Four day-long field trips, at participant cost of \$50-75, will be conducted: (1) The Hurricane fault zone (S. Reber and W. Taylor, co-leaders), (2) Cretaceous stratigraphy of the western Markagunt Plateau (J. Eaton, leader), (3) The Caliente caldera complex, Nevada (P.D. Rowley, leader), and (4) Structure, stratigraphy and oil potential of the Great Basin (R. Fink, leader).

For more information on the Conference or on registration, contact:

M. C. Erskine, Ph.D.
Editor/Technical Program Chair
5413 Silva Avenue
El Cerrito, CA 94530
Phone: (510) 234-6214
mcerskine@home.com



ENJOY SPRING BREAK IN CALIFORNIA

2001 Joint Meeting
PACIFIC SECTION AAPG
CORDILLERAN SECTION GSA

APRIL 9-11, 2001
Sheraton Universal Hotel
Universal City, California

<i>A</i>	<i>P</i>	<i>R</i>	<i>I</i>	<i>L</i>
Thu-Sun	Monday	Tuesday	Wednesday	Thu-Sat
5-8	9	10	11	12-14
	Technical Program	Technical Program	Technical Program	
Field Trips	Field Trips	Field Trips	Field Trips	Field Trips
Workshops	Workshops	Workshops	Workshops	Workshops
Teacher Events				

Register online at www.geosociety.org/sectdiv/cord/01cdmtg.htm.

THEME SESSIONS – April 9-11

- 3-D Visualization and Geologic Modeling
- Active Tectonics and Paleoseismology of the San Andreas Fault
- Active Tectonics of the Los Angeles Basin
- Advances in Petrophysics in California Reservoirs
- Tectonics of Eastern Asia, with Emphasis on China and Mongolia
- Climate, Tectonics, and Lakes of the Cenozoic Cordillera
- Engineering Geology of Southern California: In Memory of Perry Ehlig
- Gulf of California: NSF MARGINS Focus Site for Rupturing of the Continental Lithosphere
- Hector Mine and Other Major 1999 Earthquakes
- Magnetostratigraphy of the California Tertiary
- Miocene Reservoirs of California
- Neogene Geology and Paleoclimate
- Paleontology of the West
- Petroleum Geology of California Basins
- Successful Grant Writing
- Provenance Studies: Geochemistry, Petrology, Paleotectonics, and Geoarchaeology
- San Fernando Valley Geology and Tectonics (Including Results from Larse II)
- Sequence Stratigraphy
- Tertiary Tectonic History of California (In Honor of Gene Fritsche)
- Update of Pacific Coast Geochronology
- Argentina: From the Andes to the Atlantic
- What's New in the Mesozoic?
- What's New in the Paleozoic?
- Geology and Tectonics of the Mojave Desert and Transverse Ranges: A Tribute to Perry Ehlig
- Geology Beyond Earth-Recent Results of Solar System Exploration
- Environmental Geology, Engineering, and Hydrogeology
- Geophysical Application and Interpretation
- History of Geology
- Quaternary Framework of the Los Angeles Basin
- Undergraduate Research Poster Session

FIELD TRIPS – April 5-14

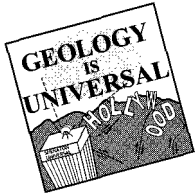
- Regional Deformation by Strike-Slip Faulting, Southern Death Valley: The Eastern California Shear Zone Meets the Garlock Fault
- Construction and Tectonic Evolution of Cordilleran Continental Crust: Examples from the San Gabriel and San Bernardino Mountains
- Late Neogene Evolution of Indian Wells Valley and the Coso Range, Inyo County
- Active Tectonics and Paleoseismic Record of the San Andreas Fault, Wrightwood to Indio: Working Toward a Forecast for the Next Big Event
- Geology and Tectonics of the San Fernando Valley
- To Plate's Edge: San Fernando Valley to Palmdale
- Geology and Tectonics of the East Ventura Basin
- Engineering Geology of the Palos Verdes Hills: A Memorial to Perry Ehlig
- Neotectonics of the Santa Barbara Fold and Thrust Belt
- Transverse and Peninsular Ranges Connections – Evidence for the Incredible Miocene Rotation
- Geology of Santa Cruz Island: Key to Understanding the Evolution of the Southern California Borderland
- Structure and Sedimentology of Ridge Basin
- Urban Oil Fields of Los Angeles

WORKSHOPS – April 7-12

- Fundamentals of Paleogeographic Reconstruction
- Cased-Hole Nuclear Technology Made Easy
- Horizontal Well Technology for Geologists
- Roy J. Shlemon Mentor Program in Applied Geology
- Writing a Good NSF Geoscience or Geoscience Education Proposal
- Gender Equity Workshop
- Job Hunting Workshop
- Formation Microimaging (FMI) Workshop
- Exploration in the San Joaquin Valley – A Core Workshop

K-12 EDUCATIONAL ACTIVITIES – April 7-8

- Evolution: Investigating the Evidence-Workshop for Teachers
- Field Trip for Teachers to Urban Oil Fields of Los Angeles



A DAY IN THE FIELD WITH TOM DIBBLEE

To Plate's Edge: San Fernando Valley to Palmdale

Saturday, 7 April 2001, 8:00 a.m. – 4:00 p.m.

The **Dibblee Geological Foundation** invites you to participate in a rare opportunity to visit several classic geologic locations and spend a day in the field with *living-legend* **Tom Dibblee**, along with **Peter Weigand**, **Karen Savage**, **Helmut Ehrenspeck**, and **Eric Hendrix**. The new Palmdale/Pacifico Mountain map by **Tom and Helmut** will be available and will be featured. There is dramatic geology, all mapped by Tom, for every interest on this field trip to the edge of the plate. We will make stops at **Vasquez Rocks, the San Andreas fault, the Soledad fault, and lunch in Placerita Canyon Park**.

This trip is in association with the **2001 Joint Pacific Section AAPG/Cordilleran Section GSA Meeting**.

Proceeds from this trip will benefit the Dibblee Geological Foundation, a nonprofit educational organization dedicated to the preservation and publication of Tom Dibblee's extensive geologic mapping of California. Spend a special day in the field with Tom and enjoy a great picnic while supporting this very important cause.

Fee: \$100.00 (includes coffee and donuts, bus transportation, guidebook, and lunch)

Registration deadline: April 1, 2001 (advance registration is necessary to reserve a bus seat and lunch)

For more information, contact John Powell by e-mail at powell.family@gte.net, call 805-987-5846, or write to P.O. Box 2309, Camarillo, CA 93011.

Registration Form	
Name _____	Telephone _____
Street Address _____	
City /State _____	Zip _____
Fax _____	E-mail _____

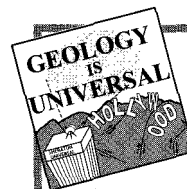
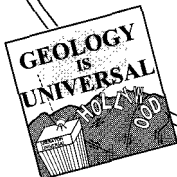
Make checks payable to the Dibblee Geological Foundation and mail this form with your check to:
John Powell, P.O. Box 2309, Camarillo, CA 93011

A meeting place map and schedule will be e-mailed or faxed with your registration confirmation.

FOUNDATION FUNDRAISER

The Pacific Section AAPG Foundation solicits your contribution of **OLD GEOLOGIC LITERATURE / BOOKS** to sell for the benefit of endowment funds at the Pacific Section's April 2001 Convention. The Pacific Section AAPG Foundation is a 501(c)(3) corporation.

Contact Mark L. Wilson at:
malw@chevron.com
or 661-395-6364



Pacific Section AAPG Business Meetings

All Pacific Section AAPG members are invited to attend open business meetings of the Pacific Section AAPG Executive Committee and Pacific Section AAPG Foundation, which will be held during the 2001 Joint AAPG/GSA Meeting in Universal City.

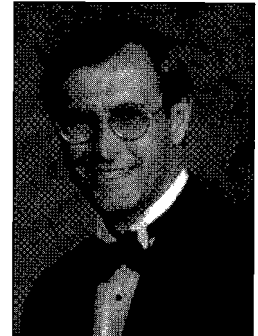
The meetings will be held in the Executive Boardroom of the Sheraton Universal Hotel on April 11 as follows:

Executive Committee	5:00 to 5:30 p.m.
Foundation	5:30 to 6:00 p.m.

Pacific Section AAPG Election Nears

The 2001 Pacific Section AAPG election for Executive Committee and Foundation officers is drawing near. Ballots will be mailed to members in late April and will be due in late May. The newly elected officers will be announced in the July/August issue of the newsletter and will begin their service in July 2001. Please take some time to review the biographical information about the candidates (who are listed in alphabetical order by office) and remember to vote.

DON CLARKE *Candidate for President-Elect*



Education

1972 B.S. Geology, California State University, Northridge
1972-1974 M.S. Geology Program, California State University, Northridge, Los Angeles, and Long Beach

Employment

1974-1981 Petroleum Geologist, California State Lands Commission, Long Beach, CA
1981-Present Division Engineer/Chief Geologist, Department of Oil Properties, City of Long Beach
1992-Present Geology Instructor, Compton Community College, Compton, CA

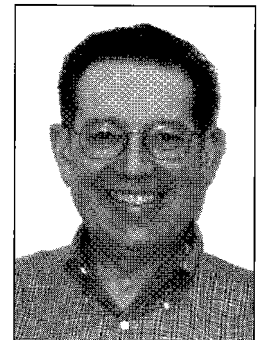
Pacific Section AAPG Involvement

1987 Field Trip Leader and Short Course Instructor, AAPG Annual Meeting (hosted by Pacific Section)
1987-2001 Delegate, AAPG House of Delegates (representing Los Angeles Basin Geological Society)
1989 Program Chairman, Pacific Section Convention
1993 General Chairman and Field Trip Leader, Pacific Section Convention
1996-Present President, Los Angeles Basin Geological Society
1997 Field Trip Leader, AAPG Annual Meeting (hosted by Pacific Section)
2000 Co-General Chairman, Joint Pacific Section Convention/SPE Western Regional Meeting
2001 Field Trip Leader, Joint Pacific Section Convention/Cordilleran Section GSA Meeting

Professional Affiliations

AAPG
Pacific Section AAPG
Los Angeles Basin Geological Society
Dibblee Geological Foundation (Board of Directors)
Orange County Engineering Council
SPE (IAE Fellow)
AAAS

TOM HOPPS *Candidate for President-Elect*



Education

1969 B.S. Geology, California State University, Long Beach

Employment

1964-1969 Geologic and Engineering Aide, Signal Oil and Gas Co., Bakersfield, Huntington Beach, and Los Angeles, CA
1970-1971 Field Geologist, Burlington Northern Railroad, Missoula, MT
1973-1979 Petroleum Geologist, Argo Petroleum, Ventura, CA
1979-1982 Consulting Geologist, Ventura, CA
1982-Present Consulting Geologist, President, Rancho Energy Consultants, Inc., Ventura and Santa Paula, CA
1986-1999 Partner, Ventura Basin Study Group, Ventura, CA

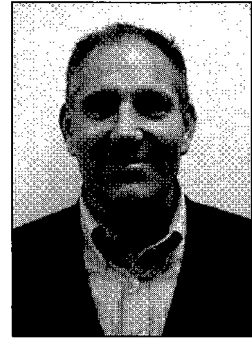
Pacific Section AAPG Involvement

1975-1976 Secretary, Coast Geological Society
1976-1977 Vice President, Coast Geological Society
1978-1980 Cooking Chairman, Coast Geological Society
1981-1982 President, Coast Geological Society
1982 Finance Chairman, Pacific Section Convention
1988 Operations Coordinator, Pacific Section Convention
1994 Operations Chairman, Pacific Section Convention
1999 Chairman, Pacific Section Cross-Section Committee
1976-Present Field Trip Co-leader and/or Contributor, Co-author, Co-editor

Professional Affiliations

AAPG
Pacific Section AAPG
California Registered Geologist No. 3413

BILL LONG
Candidate for Vice President



Education

1978 B.S. Geology, California State University, Los Angeles
1986 M.S. Geology, California State University, Los Angeles

Employment

1979-1981 Geologist, Crestmont Oil and Gas Co., Los Angeles, CA
1981-1989 Exploitation Geologist, Western Region, OXY USA, Bakersfield, CA
1990-1999 Exploration/Exploitation Geologist, GOM, OXY USA, Houston, TX
2000-Present Chief Geologist, U.S. West E & P, Occidental of Elk Hills, Inc., Tupman, CA

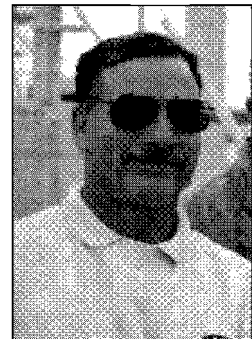
Pacific Section AAPG Involvement

1982-1983 Treasurer, San Joaquin Geological Society
1989-1990 Vice President, San Joaquin Geological Society
1988-1989 Secretary, Pacific Section AAPG

Professional Affiliations

AAPG
Pacific Section AAPG
San Joaquin Geological Society
Houston Geological Society
California Well Sample Repository (Board of Governors)

DIGGER WARE
Candidate for Vice President



Education

1976 B.A. Earth Science, California State University, Fullerton
1979 M.S. Geological Sciences, San Diego State University

Employment

1978-1987 Exploration Geologist, Texaco, Los Angeles, CA
1987-1990 Exploration & Development Geologist, Texaco, Ventura, CA
1990-1996 Regulatory Compliance Coordinator, Texaco, Bakersfield, CA
1996-1998 Exploitation Geologist, Texaco, Bakersfield, CA
1998-Present Reservoir Specialist, Texaco, Bakersfield, CA

Professional Affiliations

AAPG
Pacific Section AAPG
San Joaquin Geological Society
San Joaquin Well Logging Society

TONY REID
Candidate for Treasurer



Education

1976 B.S. Geology, California State University, Northridge
1979 M.S. Geology, California State University, Northridge
1995 Hydrogeology Certificate, California State University, Bakersfield

Employment

1978-1984 Development Geologist, Getty Oil Co., Bakersfield, CA
1984-1985 Exploration Geologist, Texaco, Bakersfield, CA
1985-1998 Geologist, Bechtel Petroleum Operations, Tupman, CA
1998-Present Geologist, Occidental of Elk Hills, Tupman, CA

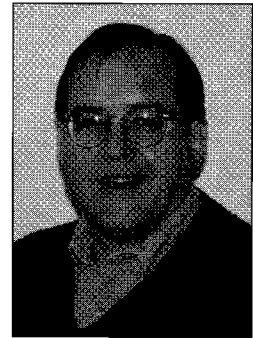
Pacific Section AAPG Involvement

1978-2001 Author or Co-author for ten presentations, Pacific Section Conventions
1991 Field Trip Coordinator, Pacific Section Convention
1992-1998 Delegate, AAPG House of Delegates (representing San Joaquin Geological Society)
1993 Short Course Instructor, Pacific Section Convention
1997 Announcement/Program Editor, Pacific Section Convention
1997 Short Course Instructor, Pacific Section Convention
1997-1998 President, San Joaquin Geological Society
2000 Session Chair, Joint Pacific Section Convention/SPE Western Regional Meeting
2000-2003 Delegate, AAPG House of Delegates (representing San Joaquin Geological Society)

Professional Affiliations

AAPG
Pacific Section AAPG
San Joaquin Geological Society
California Registered Geologist No. 3876

HAROLD SYMS
Candidate for Treasurer



Education

1973 B.S. Geology, California State University, Northridge
1974-1978 M.S. Geology Courses, California State University, Northridge

Employment

1973-1975 Graduate Student Assistant, California State University, Northridge
1975-1977 Equipment Technician, California State University, Northridge
1977-1983 Geologist, U.S. Geological Survey, Los Angeles, CA
1983-1988 Geologist/Well Log Analyst, Minerals Management Service, Los Angeles, CA
1988-Present Supervisory Geologist, Minerals Management Service, Los Angeles and Camarillo, CA

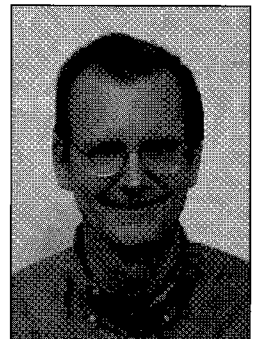
Pacific Section AAPG Involvement

1988 Treasurer, Los Angeles Basin Geological Society
1994 Vice Chairman, Pacific Section Convention
1998 Paper Judging Coordinator, Pacific Section Convention
1999-Present Treasurer, Pacific Section AAPG
2000 Session Chair, Joint Pacific Section Convention/SPE Western Regional Meeting

Professional Affiliations

AAPG
Pacific Section AAPG
Southern California Well Logging Society (Past President)
SPE

STEVE SANFORD
Candidate for Secretary



Education

1977 B.S. Geology, Syracuse University
1981 M.S. Geological Sciences, University of California, Riverside

Employment

1981-1985 Exploration and Development Geologist, Gulf Oil, Bakersfield, CA
1985-Present Development Geologist, Chevron USA Production Company, Bakersfield, CA

Pacific Section AAPG Involvement

1993 Session Chair, Pacific Section Convention
2000 Session Chair, Pacific Section Convention

Professional Affiliations

AAPG
Pacific Section AAPG
SPE

MARK YARLOT
Candidate for Secretary



Education

1978 B.S. Geology, Indiana University
1982 M.S. Geology, University of Kansas

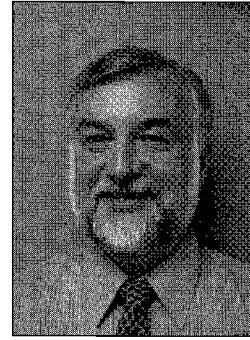
Employment

1982-1985 Exploration and Development Geologist, Gulf Oil E & P, Bakersfield, CA
1985-1992 Development Geologist, Chevron USA, Ventura and Bakersfield, CA
1992-1993 Consultant, Tandem Oil Co., Unocal Corp., Bakersfield, CA
1993-1994 Geology Instructor, Cerro Coso Community College, Lake Isabella, CA, and Arvin High School, Arvin, CA
1994-1996 Safety/Environmental Supervisor, Kern High School District, Bakersfield, CA
1997-Present Development Geologist, Berry Petroleum Company, Taft, CA

Professional Affiliations

Pacific Section AAPG
Society of Professional Well Log Analysts

MARK WILSON
Candidate for Foundation Trustee



Education

1970 B.S. Geology, University of Utah

Employment

1970-1981 Minerals Exploration, Kennecott Exploration, Utah Power and Light, Union Carbide, Getty Minerals, Gulf Minerals, Western U.S.
1982-1985 Thermal Projects, Gulf Oil, Bakersfield, CA
1985-1997 Development Geologist, Bechtel Petroleum Operations, Elk Hills, CA
1997-Present Joint Ventures, Chevron North American Exploration and Production, Bakersfield, CA

Pacific Section AAPG Involvement

1995-1996 President, Pacific Section AAPG
1996 Committee Member, Pacific Section Convention
1996-2000 Delegate, AAPG House of Delegates (representing San Joaquin Geological Society)
1997 Committee Member, Pacific Section Convention
1999-2000 President, San Joaquin Geological Society
1999-2000 Trustee, Pacific Section AAPG Foundation
2001 Donations Chair and Publicity Chair, Joint Pacific Section Convention/Cordilleran Section GSA Meeting
2001 Honorary Member, Pacific Section AAPG

Professional Affiliations

AAPG
Pacific Section AAPG
California Registered Geologist No. 4102
California Well Sample Repository (Board of Directors)

Ballots will be mailed to members in late April and will be due in late May. Remember to vote!

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Geophysical Consultant

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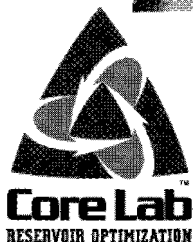
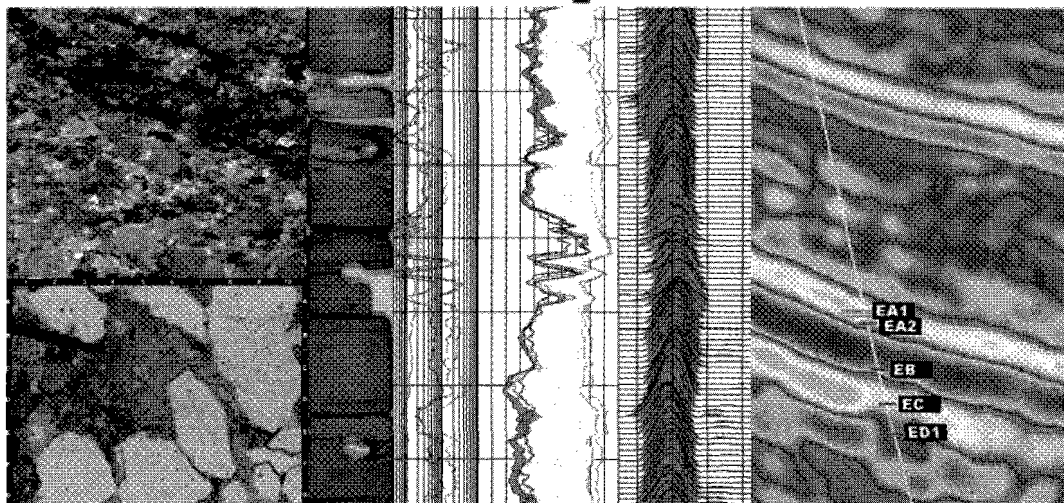
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Bakersfield, CA 93311-1099

661-664-2324

E-mail: rrobinson@csub.edu

Website: www.wellsample.org

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www.corelab.com

ALASKA

Alaska Geological Society
P.O. Box 101288
Anchorage, AK 99510
www.seclabs.com/ags
Contact: Monte Mabry
907-265-1653

Luncheon meetings are held on the third Thursday of the month at the Anchorage Hilton (500 W. 3rd Avenue) from 11:30 a.m. to 1:00 p.m. The cost is \$16 (with reservations) or \$20 (without reservations). For information, contact **Greg Wilson** at 907-263-4748 or gewilso@ppco.com; for reservations, contact 907-263-4232. Reservations should be made by Monday before the meeting.

AGS has selected **Cheryl Cooper** as the winner of its 2001 competition for Excellence in the Teaching of Natural Resources in the Earth Sciences. Cheryl, who is a K-2 teacher in Delta Junction, Alaska, will receive a \$250 award and will also be eligible for the Pacific Section AAPG 2001 Teacher of the Year Program.

COAST

Coast Geological Society
P.O. Box 3055
Ventura, CA 93006
www.coastgeologicalsociety.org
Contact: Mike Barminski
805-644-3397

Dinner meetings are held on the third Tuesday of the month (except July and August) at the American Legion Hall (83 S. Palm Street) in Ventura. Social hour starts at 6:00 p.m., and dinner is served at 7:00 p.m. The cost of dinner is \$12 (with reservation), \$17 (without reservation), or \$7 (students and K-12 teachers); the talk is free. Upcoming meetings are scheduled for March 20 and April 17 (see Schedule of Events). For information or reservations, contact **Steve Richardson** at richconinc@aol.com or **John Surigao** at 805-653-7975 (voice) or 805-653-7452 (fax); please make reservations by e-mail if possible. Reservations by e-mail should be made by 5:00 p.m. on Thursday before the meeting; reservations by voice or fax should be made by noon on Friday before the meeting.

LOS ANGELES

Los Angeles Basin
Geological Society
c/o Don Clarke
City of Long Beach
Dept. of Oil Properties
211 E. Ocean Blvd. Suite 500
Long Beach, CA 90802
562-570-3915

Luncheon meetings are held on the third Thursday of the month at 11:30 a.m. in the Monarch Room at The Grande at Willow Street Centre (4101 E. Willow Street) in Long Beach. The upcoming meeting is scheduled for March 15 (see Schedule of Events); no meeting will be held in April. The cost is \$17 or \$6 (students). For information or reservations, contact **Vid Duda** at 562-590-5271 or dudav@slc.ca.gov. Reservations should be made by Tuesday before the meeting.

NORTHERN CALIFORNIA

Northern California
Geological Society
9 Bramblewood Court
Danville, CA 94506-1130
Contact: Dan Day
925-294-7530

Evening meetings are held on the last Wednesday of the month at the Masonic Center (9 Altarinda Road) in Orinda. Social hour starts at 6:30 p.m., and the talk starts at 7:00 p.m. (no dinner). The cost is \$5. The upcoming meeting is scheduled for April 25 (see Schedule of Events). A mid-day meeting (11:00 a.m. to 2:00 p.m.) at Chevron Park in San Ramon is scheduled for March 22. For meeting reservations, contact **Dan Day** at 925-294-7530 (leave your name on the voice recorder any time before the meeting).

The Caldecott Tunnel field trip (originally scheduled for January 27) has been rescheduled to March 3 at 9:30 a.m. The tunnel geology will be discussed by **Grant Wilcox** (CalTrans), who is involved in planning the fourth tunnel bore. The cost is \$5 per person (includes handouts, coffee, beverages, and breakfast pastries). Thanks to **Jean Moran** (Stetson Engineers) for her efforts to arrange the field trip for NCGS. Please make reservations by leaving your name, phone number, and the number in your party on the NCGS voice recorder (925-294-7530) or contact Jean Moran by e-mail at jeanm@stetsonengineers.com.

NEWS FROM THE AFFILIATED GEOLOGICAL SOCIETIES

NORTHWEST

Northwest Energy Association
P.O. Box 6679
Portland, OR 97228-6679
www.nwenergyassociation.org
Contact: Doug Schwarm
503-603-6698

Luncheon meetings are usually held on the second Friday of the month at 1:00 p.m. at the Multnomah Athletic Club (1849 S.W. Salmon Street) in Portland. Upcoming meetings are scheduled for March 9 and April 13 (see Schedule of Events). The cost is \$15. For information or reservations, contact **Shelly Thomas** at 503-848-2947 or **Jack Meyer** at 503-226-4211 ext. 4683.

SACRAMENTO

Sacramento Petroleum
Association
P.O. Box 254443
Sacramento, CA 95865-4443
Contact: Jack Smith
916-322-1110

Luncheon meetings are held on the third or fourth Wednesday of the month at noon at the Hungry Hunter Restaurant (450 Bercut Drive) in Sacramento. The cost is \$15. For information or reservations, contact **Jack Smith** at 916-322-1110.

SAN JOAQUIN

San Joaquin
Geological Society
P.O. Box 1056
Bakersfield, CA 93302
www.sjgs.com
Contact: Dan Stewart
661-763-2008

Dinner meetings are held on the second Tuesday of the month (except summer months) at the American Legion Hall (2020 H Street) in Bakersfield. The icebreaker starts at 6:00 p.m., dinner is served at 7:00 p.m., and the talk starts at 8:00 p.m. Upcoming meetings are scheduled for March 13 and April 10 (see Schedule of Events). The cost of dinner is \$15 (with reservations) or \$18 (without reservations); the talk is free. For information or reservations, contact **Russ Robinson** at 661-665-6266 or rrobinson@csu.edu.

Newsletter Available Online!

This and future issues of the **Pacific Petroleum Geologist Newsletter** will be posted on the Pacific Section AAPG website at www.psaapg.org to provide easy and immediate access to PS AAPG news and information. PS AAPG members may access the digital newsletter by using a password, and nonmembers may preview an abbreviated version to elicit interest and new memberships.

Paper copies of the newsletter will continue to be printed and mailed for the coming months. However, because the costs of doing so are significant, the PS AAPG Executive Committee is considering other distribution options. If you have ideas or preferences about this, feel free to share them with any member of the Committee—we welcome your feedback!

March/April 2001 Password: **convention**
May/June 2001 Password: **election**

SCHEDULE OF EVENTS

Pacific Section AAPG & Affiliated Geological Societies March & April 2001

March 3

NCGS Field Trip

Topic: Caldecott Tunnel
Leaders: Jean Moran (Stetson Engineers) and Grant Wilcox (CalTrans)

March 9

NWEA Monthly Luncheon Meeting

Location: Multnomah Athletic Club, Portland, OR
Speaker: Steve Shute (Pipeline Solutions)
Topic: Coos Bay, Oregon, Pipeline Permitting Progress

March 13

SJGS Monthly Dinner Meeting

Location: American Legion Hall, Bakersfield, CA
Speaker: Dr. Bob Horton (California State University, Bakersfield) and Dr. Jeffrey Thyne (Colorado School of Mines)
Topic: Fracture Formation in Deeply Buried Temblor Formation, San Joaquin Basin, California

March 15

LABGS Monthly Luncheon Meeting

Location: The Grand at Willow Street Centre, Long Beach, CA
Speaker: Dr. John C. Lorenz (Sandia National Laboratories)
Topic: Fracture Stimulation of Oil Wells

March 20

CGS Monthly Dinner Meeting

Location: American Legion Hall, Ventura, CA
Speaker: George Tilton (University of California, Santa Barbara)
Title: Energy Reserves: Present Inventories and Future Prospects

March 22

NCGS Mid-day Meeting

Location: Chevron Park, San Ramon, CA
Speaker: Andrew Pulham (University of Colorado & AAPG Distinguished Lecturer)
Title: Reservoir Performance and Reservoir Quality in a Sequence Stratigraphic Framework: Case Studies from Siliciclastic Reservoirs in the Americas and Europe

April 5-14

Field Trips — Joint PS AAPG/CS GSA Meeting

See GSA website for details.



April 7

BLM Field Trip

Leaders: Greg Wilkerson (BLM) and others
Title: San Andreas Fault: Fort Tejon to Pallet Creek

April 7-12

Workshops — Joint PS AAPG/CS GSA Meeting

See GSA website for details.



April 9-11

Technical Sessions — Joint PS AAPG/CS GSA Meeting

See GSA website for details.



April 10

SJGS Monthly Dinner Meeting

Location: American Legion Hall, Bakersfield, CA
Speaker: TBA
Title: TBA

April 13

NWEA Monthly Luncheon Meeting

Location: Multnomah Athletic Club, Portland, OR
Speaker: George Sharp (Weyerhaeuser)
Topic: Coalbed Methane Exploration in Washington

April 17

CGS Monthly Dinner Meeting

Location: American Legion Hall, Ventura, CA
Speaker: Mike Clark (Chevron)
Title: Geology of the Miocene Temblor Formation at Coalinga Field, San Joaquin Basin, California

April 21-22

CGS Field Trip

Title: Coalinga Geology and Oil Field
Leader: Mike Clark (Chevron)

April 25

NCGS Monthly Dinner Meeting

Location: Masonic Center, Orinda, CA
Speaker: Laurel Collins (San Francisco Estuarine Institute)
Topic: Wildcat Canyon: Watershed and Sedimentation Interactions

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Upcoming Events

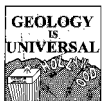
- May 8 • SJGS Monthly Dinner Meeting
- May 11 • NWEA Monthly Luncheon Meeting
- May 17 • LABGS Monthly Luncheon Meeting
- May 22 • CGS Monthly Dinner Meeting
- May 30 • NCGS Monthly Luncheon Meeting
- June 2 • BLM Field Trip
- June 3-6 • AAPG Annual Meeting (Denver, CO)
- June 12 • SJGS Monthly Dinner Meeting
- June 21 • LABGS Monthly Luncheon Meeting
- Sept. 20-23 • The Mackin Conference (Cedar City, UT)



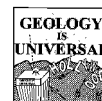
March 2001



Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3 NCGS Field Trip
4	5	6	7	8	9 NWEA Meeting	10
11	12	13 SJGS Meeting	14	15 LABGS Meeting	16	17
18	19	20 CGS Meeting	21	22 NCGS Meeting	23	24
25	26	27	28	29	30	31



April 2001



Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5 AAPG/GSA Joint Meeting Events Start	6	7 BLM Field Trip
8	9 AAPG/GSA Joint Meeting Sessions	10 AAPG/GSA Joint Meeting Sessions SJGS Meeting	11 AAPG/GSA Joint Meeting Sessions	12	13 NWEA Meeting	14 AAPG/GSA Joint Meeting Events End
15	16	17 CGS Meeting	18	19	20	21 CGS Field Trip
22 CGS Field Trip	23	24	25 NCGS Meeting	26	27	28
29	30					

New & Reinstated Members

Christopher Brooks – Monterey, California
Fred W. Burnett – Northridge, California
Brian C. Dow – Santa Barbara, California
William M. Schieb – Bakersfield, California
Robert F. Vickers – Moorpark, California
Don W. Ware – *Texaco*, Bakersfield, California



Featured Presenter

Pacific Section AAPG member **Tanya Atwater** (University of California, Santa Barbara) will make a featured presentation at the Joint Pacific Section AAPG/Cordilleran Section GSA Meeting in Universal City. She will present *Sliding and Spinning—How Our Plates Have Moved Over the Past 30 Million Years* on April 10 from 4:45 to 5:45 p.m. at the Universal Sheraton Hotel.

In Memory

GEORGE RAOUL LAPERLE

April 27, 1927 – December 26, 2000

Mr. LaPerle, pioneering geologist, active community member, and beloved husband and father, died December 26, 2000, after a long struggle with heart disease. George was born April 27, 1927, in Los Angeles, California. He grew up in Newport Beach, California, with his parents and a sister. After a stint in the U.S. Navy, he attended Stanford University, where he received a bachelor's degree in geology and geophysics in 1950 and a master's degree in geology in 1952. At Stanford he met his wife of 46 years, Wilma Creps LaPerle.



George joined Richfield Oil Corp. in 1952 and in 1960 established a consulting practice. In 1963 he founded Western Continental Operating Company where, over the past 36 years as president, he was responsible for the discovery of more than 20 oil and gas fields/pools in California.

In many projects, he worked jointly with his longtime friend, John Thomson. In 1984, LaPerle & Thomson discovered the Cesa Well in the South Oakley gas field, which holds the record as the second largest gas well in California. They were also responsible for gas discoveries at the Knighten and Denverton Creek gas fields.

George served as a director of the California Independent Petroleum Association and as the Sacramento Valley Vice Chairman of the Conservation Committee of California Oil and Gas Producers.

Aside from his professional accomplishments, he served as a director of Teen Challenge, was a founding director of the Golden Empire Gleaners, was a board member of the Navy League, and was involved in various ministries at St. Philip's parish.

He is survived by his wife, two daughters, four sons, and six grandchildren. Memorial donations may be made to the Golden Empire Gleaners.

—*Excerpted from an obituary in the Bakersfield Californian*

Award-Winning Presentations

Congratulations to the winners of the best oral and poster presentations at the 2000 Pacific Section C Long Beach! The winning oral presentation for the A. I. Levorsen Memorial Award is *Predicting Behavior and Reducing Development Risks in the Prudhoe Bay Field, Alaska* by **Graham Dudley, Richard Fox, Robert Krantz, Stephen Lewis, Philip Cerveny, Russell Davies, Rob Knipe, Dana Coffield, and Dalton Lockman**; the talk was presented by Dalton Lockman. The winning poster presentation for the H. Victor Church Memorial Award is *Sequence Stratigraphy and Trapping Mechanisms, Miocene Temblor Formation, Coalinga Field, California* by **Mike Clark, Karla Tucker, and Bill Kempner**. The awards will be presented at the 2001 Pacific Section Convention in Universal City.

A. I. Levorsen Memorial Award
for Best Oral Presentation



H. Victor Church Memorial Award
for Best Poster Presentation

Predicting Fault-Fluid Behavior and Reducing Development Risks in the Prudhoe Bay Field, Alaska

DUDLEY, GRAHAM, BP Amoco, Sunbury-on-Thames Middlesex, England; RICHARD FOX, Amoco, Anchorage, AK; ROBERT KRANTZ, ARCO Alaska Inc., Anchorage, AK; STEPHEN LEWIS, BP Amoco, Anchorage, AK; PHILIP CERVENY, Petrotechnical Resources of Alaska, Anchorage, AK; RUSSELL DAVIES, ARCO Exploration and Production Technology, Plano, TX; ROB KNIPE, Rock Deformation Research, University of Leeds, Leeds LS2 9Jt, UK; DANA COFFIELD, AEC International, Calgary, Alberta, Canada; DALTON LOCKMAN, ExxonMobil Production Co., Anchorage, AK

The remaining 3.5 billion barrels of reserves at Prudhoe Bay lie in complex parts of the reservoir. 5400 seismic scale normal faults offset strata and locally alter permeability. Faults act as seals and compartmentalize the reservoir; they also act as conduits that induce massive mud losses while drilling. Loss volumes and costs increased dramatically during the 1990's as horizontal drilling intersected more faults. During 1998, trouble time costs linked to lost circulation topped \$5 million. Drillers developed a "risk-avoidance" strategy that put significant reserves at risk.

In late 1997 partners committed to an integrated structural analysis of fault behavior, with the goal of predicting and mitigating fault-related risks. During the first phase we reprocessed seismic, compiled a database of faults and observed fluid behavior, completed structural logging of core, analyzed in-situ stress distribution, and looked at fault styles and timing. From these components we produced a set of critical risk factors and a process for fault analysis. Early in 1999, geologists and drilling engineers integrated procedures. Since then, all targets involving faults receive structural risk analysis as a primary component of well planning. Current best practices include seismic coherency, fault juxtaposition and SGR, and local kinematic-dynamic analysis integrated with loss circulation histories. The final well plans selectively avoid faults or cross them at points of minimal risk.

Results in 1999 show significant improvement, both in reduced drilling trouble and costs and in strategies for dealing with faults. The new procedures allow us access to reserves otherwise lost.

Sequence Stratigraphy and Trapping Mechanisms, Miocene Temblor Formation, Coalinga Field, California

CLARK, MICHAEL, Chevron USA Production Co., Bakersfield, CA; KARLA TUCKER, California State University, Long Beach, Long Beach, CA; WILLIAM KEMPNER, Chevron USA Production Co., Bakersfield, CA

Temblor Formation reservoirs at Coalinga field, San Joaquin basin, CA represent an active-margin, nearshore to non-marine succession deposited during Miocene transgression. Onlap surfaces representing 5-20 my of missing section bound the Temblor and Big Blue Formations to delineate an unconformity bound megasequence up to 215 meters (700 feet) thick. Other unconformities subdivide this megasequence into four smaller sequences. At the base of the oldest sequence, braided fluvial strata onlap an alluvial valley incising middle Eocene shale source beds. Subsequent transgression deposited discontinuous estuary and tide-dominated shoreline facies in this and the overlying sequence. Laterally continuous, low-permeability shoreface sandstones compose a third sequence, and impermeable, serpentine-bearing, non-marine strata of Big Blue Formation make up the upper sequence.

Despite 850 MMBO production, the megasequence is breached along an anticlinal axis with active oil seeps that ceased flowing with field development. Despite the absence of a trap, enough oil accumulates beneath tar mats and tight outcrop to degrade to low-gravity crude produced primarily by steam injection. Biomarkers indicate Eocene derivation of the oil (Kreyenhagen Formation), even though Eocene source rocks at the surface are immature. Because recent folding of the anticline indicates field formation is also recent, and source rocks in the basin center only recently reached sufficient burial depths for oil generation, oil migration into the field is ongoing. Thus, the field represents a "kinetic accumulation", in which oil is continually replenished by new supplies migrating in from below, and oil not produced slowly migrates to surface seeps where it is lost.

—Editor's note: These abstracts were originally published in the *AAPG Bulletin* (vol. 84, n. 6, p. 856-904) and in the 2000 Pacific Section Convention & SPE Western Regional Meeting Program & Abstracts (p. A1-A59).

Thomas Bard, Josiah Stanford, and the 1860's Hunt for California Crude

By Michael P. Nelson, California Oil Museum, Santa Paula, CA

In the summer of 1865, Thomas Bard arrived in Ventura County to begin exploration drilling on properties owned by his uncle, Thomas Scott, in the area of Sulphur Mountain. Scott had made a fortune investing in Pennsylvania railroads in the 1850's and in Titusville oil fields in the early 1860's. Scott decided to undertake petroleum exploration in California based on sensational reports of the oil potential of California published by Yale Professor Benjamin Silliman in 1864. Writing to Scott about the Sulphur Mountain area, Silliman said that "its great value is in its almost fabulous wealth in the best of oil." He based this assessment on mapping of the abundant oil seeps on the north side of Sulphur Mountain (fig. 1). On this basis, entrepreneur Scott bought 277,000 acres of prospective oil property in California, including land on the north flank of Sulphur Mountain in the Ojai Valley. He then sent his 24-year-old nephew, Thomas Bard (Fig. 2), around Cape Horn with a steam-powered, cable-tool drilling rig to begin exploration of his properties in Ventura County.

The demand for oil on the West Coast had been rising steadily since the discovery of oil by Edwin Drake at Titusville, Pennsylvania, in 1859. Drake's discovery touched off a boom in production of petroleum-derived kerosene because of its popularity as a fuel for oil lamps. Kerosene was cleaner burning than camphene lamp oil and cost less than whale oil. However, as a result of the Civil War, shipments of oil and kerosene from the east declined and interest rose in exploring for a California source of petroleum. Despite drilling in Humboldt County in 1861 and in other areas of the state, no commercial oil production was found. However, Silliman's enthusiastic report in 1864, combined with the Civil War-induced scarcity

of kerosene, renewed interest in oil exploration in California, and the state's first drilling boom began in 1865.

Thomas Bard was a participant in this drilling boom when he arrived in Ventura County in 1865 to begin drilling on the north side of Sulphur Mountain. However, Bard was not alone in his interest in the Sulphur Mountain area. Another party was intent on finding a source of California oil—the Stanford Brothers illuminant business in San Francisco. The company imported and sold kerosene shipped from the East Coast and had refined small amounts of scarce California oil in an attempt to produce kerosene. Josiah Stanford (fig. 3) leased property on the south side of Sulphur Mountain hoping to find a steady source of California crude from which to refine kerosene for the Stanford Brothers business. Being a mining engineer, Stanford's approach was different from Bard's: Stanford tunneled for oil (fig. 4). Using Chinese labor from Ventura, Stanford dug an 80-foot tunnel into the north-dipping Miocene strata of Saltmarsh Canyon and began producing 20 BOPD in 1866. Crude shipments to the Stanford Brothers refinery in San Francisco began by boat in August of 1866. By tunneling, Josiah Stanford became the first person to establish commercial production of petroleum in the state.

Meanwhile, several miles to the north, Thomas Bard had drilled five dry holes on the north side of Sulphur Mountain by the end of 1866. He spudded the "Ojai" #6 well early in 1867 in the upper Ojai Valley near the present-day Thomas Aquinas College. On May 29, 1867, at a depth of 550 feet, California's first oil gusher came in with oil rising over the top of the 60-foot derrick for 15 minutes. The well settled to production of 10 to 20 BOPD of 20-gravity oil, the discovery

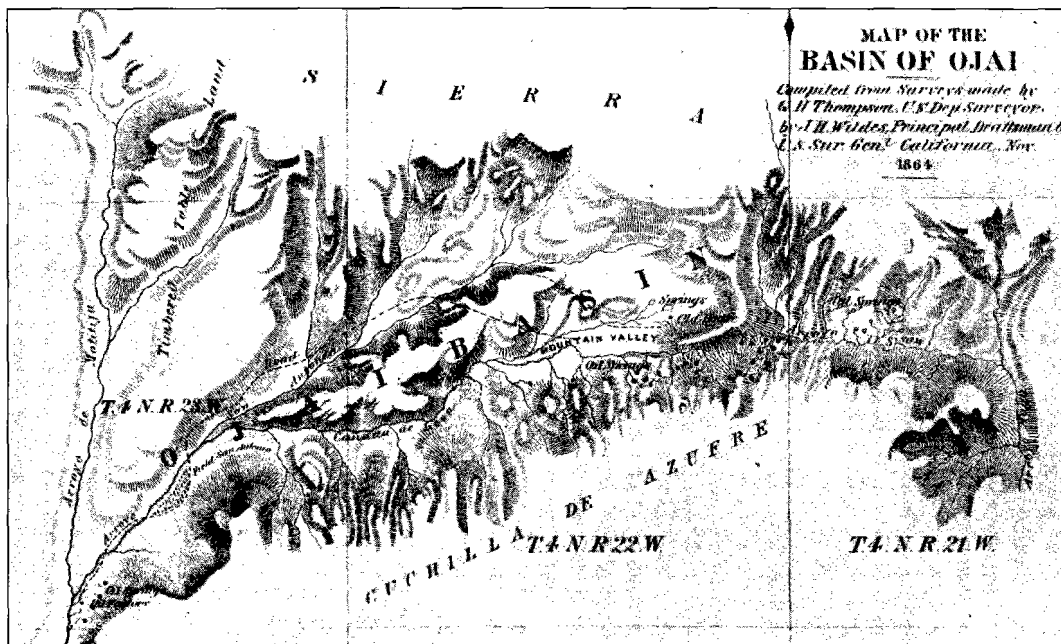


Figure 1. Professor Benjamin Silliman's oil seep map of the Ojai Valley (1864).

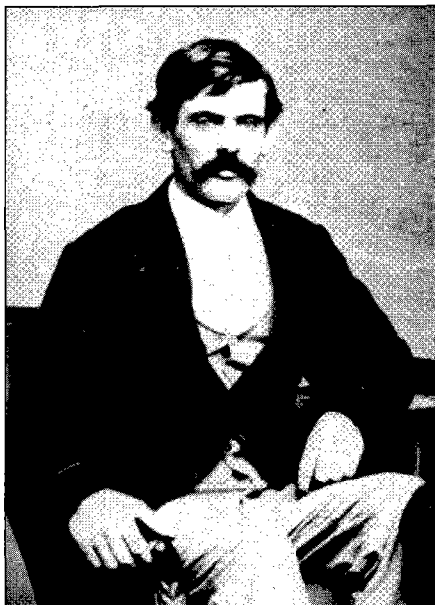


Figure 2. Thomas Bard, the first person to establish sustained production of petroleum from a drilled well in California (in 1867).

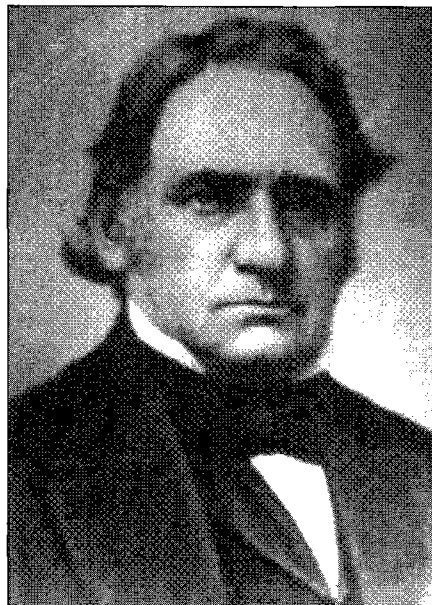


Figure 3. Josiah Stanford (brother of Leland Stanford), the first person to establish commercial production of petroleum in California (in 1866).

well for the Silverthread area of the Ojai Field. Thomas Bard became the first person to establish sustained production of petroleum from a drilled well in the state.

However, with the end of the Civil War on April 9, 1865, shipments of oil and kerosene resumed from the Pennsylvania oil fields to California. As a consequence, the price of kerosene in San Francisco dropped from \$2.50 per gallon in 1865 to \$1.70 per gallon in 1866 and then to 54 cents per gallon in 1867, a total decline of 78 percent. During the same time, the price of oil declined from \$6.50 per barrel to \$2.50 per barrel, a 61-percent decline.

Stanford and Bard soon found that they could not economically compete with cheaper imports of eastern petroleum products. As a result, Stanford Brothers again focused on importing oil and kerosene from the East Coast and selling it in the San Francisco market. Thomas Bard turned

to developing the real estate properties that his uncle, Thomas Scott, had originally purchased for oil exploration. The California oil boom, begun in 1865, was over within two years, a victim of falling oil prices at war's end. Oil exploration and development in the state would not begin again in earnest until the discovery of oil in Pico Canyon (near present-day Magic Mountain) in 1876 by Pacific Coast Oil Company, a predecessor of Chevron.

Thomas Bard, however, would get a second chance in the oil business, becoming the first president of Union Oil Company of California in 1890. Stanford's tunneling approach to oil field development proved economic in the 1890's when Union Oil Company dug approximately 50 oil tunnels at Sulphur Mountain to increase the company's production. These tunnels continued to produce small amounts of oil until being officially plugged and abandoned in 1998.

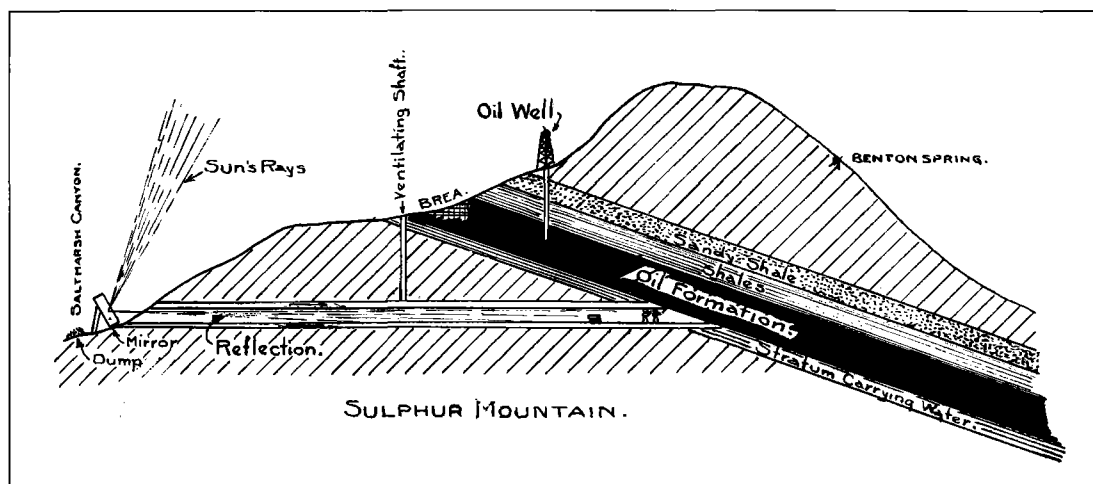


Figure 4. Cross-sectional diagram of an oil tunnel at Sulphur Mountain.

The Stratigraphic Position of the Lower Princeton Valley Fill Sacramento Basin, California

By William E. Kennett, Santa Barbara, CA

Introduction

In the early 1940's, while employed by The Superior Oil Company, I mapped the geology on the west and east foothills of the Sacramento Valley and in the Marysville (Sutter) Buttes. My work was never published. The ideas that follow concern the lower Princeton Valley fill, the type Capay Formation, and the Capay Shale. Based on my reading of the literature, I believe there are misconceptions about the stratigraphic relationships of these units. The lower Princeton Valley fill was defined by Lowell Redwine (1972).

Observations

Capay Valley Area

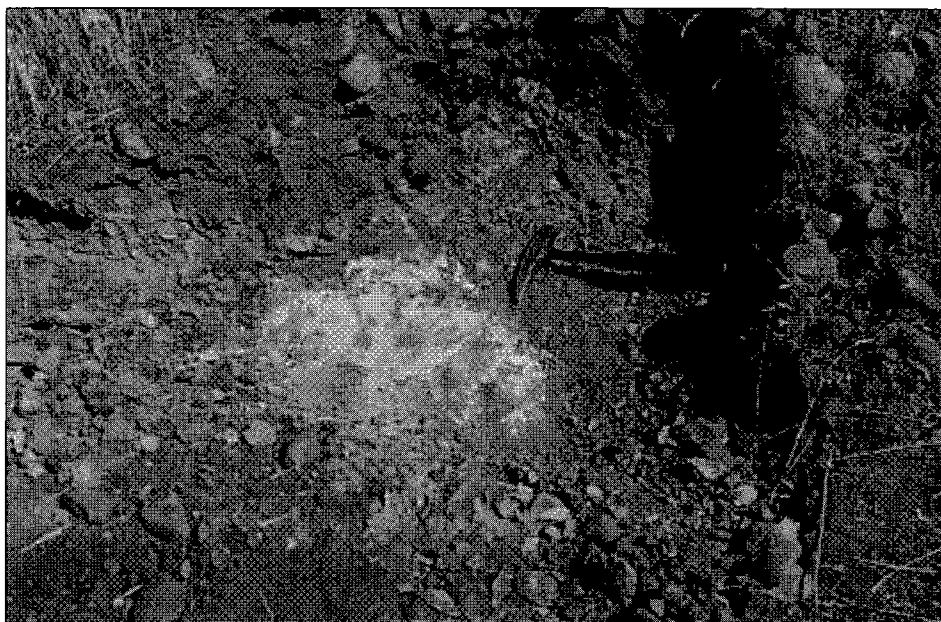
At the time of my field work, the concept of submarine valley fills in the Sacramento Valley had not come to light. That the type Capay Formation of Eocene age, in Capay Valley west of Woodland, occurred with apparent conformable contact on the Cretaceous Funks Shale was an obvious erosional anomaly difficult to explain by normal geologic processes. Once the concept of submarine valleys was later proven by well correlations and seismic surveys, the anomalous stratigraphic position of the type Capay Formation became clear—it was deposited as fill in a deep erosional trough and later steeply tilted to the same extent of the underlying Cretaceous strata by Pleistocene tectonics. The top of the Capay at this type locality is not exposed due to fault contact with other Cretaceous rocks. Based on prolific megafauna, this fill material was assigned to the Eocene Capay Stage. The key fossil is *Turritella merriami*.

Marysville Buttes

Howell Williams (1929) noted in a creek at West Butte Pass the occurrence of *T. merriami* in a sandstone reef that he mapped with the Butte Gravels. Consequently, he assigned the Butte Gravels to the Eocene. I found that there was a soil mantle on the creek bank that obscured exposures between the fossil-bearing reef and the Butte Gravels. I dug through this soil mantle and exposed the contact between the white sandstone of the Ione Formation and the Butte Gravels (see photo). As a result, I mapped the Butte Gravels as basal Tehama Formation and placed the *T. merriami*-bearing sandstone reef (about 25 feet thick) at the top of the Capay Shale and below the Ione Formation. Now knowing about submarine valley fills and their distribution in the Sacramento Valley, I am confident that this 25-foot section of strata represents a portion of the lower Princeton Valley fill. The importance of this observation is that it precisely places the lower Princeton Valley fill as pre-Ione Formation and post-Capay Shale. The pre-Ione age is further supported by the geology in the Table Mountain area near Oroville (see next section). On Redwine's (1972) correlation chart, the age of the lower Princeton Valley fill is shown to extend from Late Eocene Markley through the Capay Shale.

Table Mountain, Oroville Area

The stratigraphic section on Table Mountain was described by V. T. Allen (1929). The sequence consists of Table Mountain Basalt ("Lovejoy Basalt"), Ione Sand, Dry Creek Formation, and Chico Formation (Cretaceous). Allen (1929) described



Coarse cobbly gravel of the basal member of the Tehama Formation resting on brilliant white sandstone of the Ione Formation, West Butte Pass, Marysville Buttes, California.

the Dry Creek Formation as a sequence of buff and gray micaceous shale with beds of buff arkosic sandstone and occasional lignite beds. The arkosic sandstone differs from the white sandstone of the Ione Formation, which is comprised mainly of quartz. The megafauna includes *T. merriami*. When I confirmed this stratigraphy in 1942, I accepted the name "Dry Creek Formation" because the lithology differed from the typical clay shale of the Capay Shale. I am now convinced that the Dry Creek Formation of Allen (1929) represents a third surface exposure of the lower Princeton Valley fill occurring below the Ione Formation and above the Chico Formation.

Richfield No. 1 "Chico" Well, Chico Area

After drilling through basalt and Ione Formation, this well (located in Section 17, T21N, R1E, MDB&M) penetrated a shale and sand sequence similar to the Dry Creek Formation. *T. merriami* was found in a core at 2432 feet. This sequence is most surely lower Princeton Valley fill and is pre-Ione.

Coal Mine Canyon, Coalinga Area

Although this is far from the area discussed above, there are similarities. The Coal Mine sand was apparently deposited in a trough, is unconformably overlain by the Domengine Formation (equivalent to Ione) and contains *T. merriami*.

Conclusions

The lower Princeton Valley ("Gorge") fill system in the Sacramento Valley was initiated after deposition of the Capay Shale with the beginning of the westward tilt of the Sierra Nevada. The valleys were cut and then filled with sediments prior to the widespread deposition of the Ione Formation. Where later erosion has cut through the Lovejoy Basalt and the Ione Formation, I believe that it is related to the

unconformity at the base of the Tehama Formation (Redwine's "upper Princeton Valley fill").

Comments

The name Capay Shale is too deeply imbedded in the literature, regional geologic cross-sections, and core data to be changed. The type Capay Formation represents only a fraction of the Capay Stage and not even the whole of the Princeton Valley fill. I prefer the name "Princeton Valley fill" for surface exposures in Capay Valley, the Marysville Buttes, and at Table Mountain. I suggest that another name be applied to Redwine's "upper Princeton Valley fill," which is definitely post-Lovejoy Basalt.

References Cited

Allen, V. T., 1929, The Ione Formation of California: University of California Pub. Bull. Dept. Geol., vol. 18, p. 353-448.
 Redwine, L. E., 1972, The Tertiary Princeton Submarine Valley System beneath the Sacramento Valley, California: University of California, Los Angeles, Ph.D. dissertation, 480 p.
 Williams, H., 1929, Geology of the Marysville Buttes, California: University of California Pub. Bull. Dept. Geol., vol. 18, p. 103-220.

-Editor's note: Bill Kennett is an Honorary Member of the Pacific Section AAPG (1995) and is among those with the longest period of sustained membership (60 years). May he inspire all of us to contribute our ideas and insights throughout our careers! Feedback regarding the ideas expressed here should be sent directly to him (see Pacific Section Membership Directory for contact information).

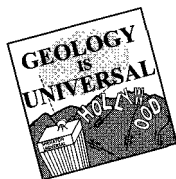
Desperately Seeking Dibblee

(photographs)

Helmut Ehrenspeck is seeking old photographs of Tom Dibblee that other geologists, especially old-timers, might be willing to lend for use in a presentation about Tom at the April 2001 Joint AAPG/GSA Meeting.

Ideally, the photos should be dated and show Tom in the field or on field trips, at meetings, award ceremonies, or other geosocial events between 1930 and 1980.

If you have any such photos to lend (he promises careful handling and prompt return), please contact Helmut by mid-March. Thank you!



Helmut Ehrenspeck
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 Goleta, CA 93117
 805-968-0481
 helmut98@earthlink.net



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Center for Los Angeles Basin Subsurface Geology

California State University, Long Beach

By Stan Finney, Chair and Professor, Department of Geological Sciences, CSULB

Don Clarke, President, Los Angeles Basin Geological Society, Department of Oil Properties, City of Long Beach

With the delivery in December of 750 boxes of Chevron well logs, the Center for Los Angeles Basin Subsurface Geology was born at California State University, Long Beach (CSULB). This Center will serve as an archive for subsurface data donated by oil industry companies and individual consultants. These data, which were collected over more than 100 years of petroleum exploration, are in danger of being lost forever—thrown out in the trash—as major companies move out of the Los Angeles Basin and consultants retire.

Realizing the immediate need for a data repository, **Tom Wright** and **Don Clarke** approached the Department of Geological Sciences at CSULB with the idea of establishing a center not only to archive subsurface data but also to support faculty and graduate student research using the data. **Glenn Nagel**, Dean of the College of Natural Science & Mathematics, provided Geological Sciences with more than 1,000 square feet of space to house the repository. Boeing Corporation donated shelves, and more than \$5,000 was donated collectively by Signal Hill Petroleum (thanks to **Dave Slater**), **Robert Long** of Pan Western Petroleum Co., **Richard Young** of Pacific Energy Resources, **George DeVries**, **Reinhard Suchsland**, and the Pacific Section AAPG. **Dan Francis** (Geological Sciences) supervised the setup of the facility, arranging for the room to be cleaned and painted and organizing groups of volunteers to bring in the shelving (which required many hours for disassembly, transport into the room, and reassembly) and unload files. **Mark Wilson** and **Larry Knauer** transported the Chevron files from Bakersfield. In addition to the Chevron files, **Pete Fischer** donated all of his files of Los Angeles Basin subsurface data, and the libraries

of **Mason Hill** and **Francis Shepard** were previously donated to the Center.

Much more physical work must be completed before the Center is dedicated and open for use. More shelves will be delivered. Once set up, the files will be organized. New lighting and a dehumidifier are to be installed.

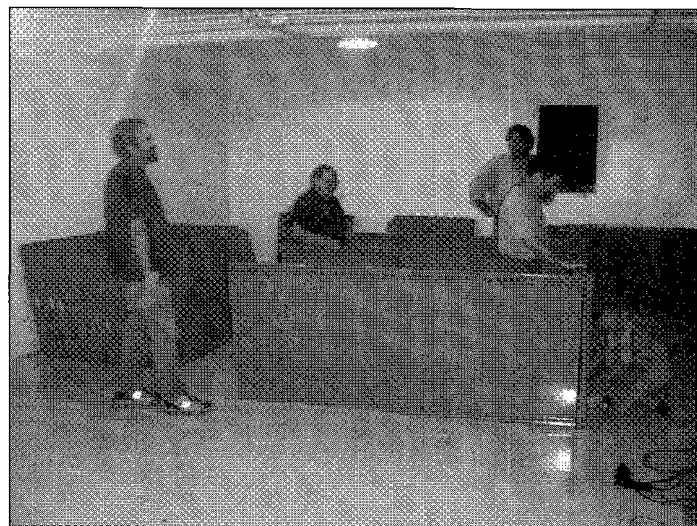
The Department of Geological Sciences hopes to acquire all available subsurface data (primarily well logs and directional data) on the Los Angeles Basin that are threatened with destruction. More monetary donations are needed to provide work space, furnishings, and equipment for those using the facility. Volunteers are being recruited for work parties to finish assembling shelves, organizing files, and building the computer data base. Geological Sciences is also seeking to raise substantial donations to support an Endowed Chair in Subsurface Geology and fellowships for graduate students whose thesis research will use the subsurface data.

Dedication of the facility is planned for Spring 2001. Information on available data and means of access will be included on the web site of the Department of Geological Sciences. At that time, the facility will be ready for use; in fact, use by all interested parties will be strongly encouraged. After all, that is its primary purpose. Those wishing to donate data or money or to volunteer for work parties are asked to contact **Stan Finney** (562-985-8637), **Dan Francis** (562-985-4929), or **Don Clarke** (562-570-3915). We need your help to make this facility the best it can be!

—*Editor's note: The Pacific Section AAPG has pledged to contribute up to \$500 for materials and equipment to be used to support the Center's inception.*



Chevron files stacked in a hallway awaiting placement on shelves in the Center.



Three full professors, one associate professor, and one volunteer assembling shelves in the Center (possibly the first documented occurrence of this level of academic cooperation!).

Pacific Section AAPG Teacher of the Year Receives National Honorable Mention

The AAPG Teacher of the Year Committee has awarded **Joel Stewart** of Ridgeview High School in Bakersfield, California, an honorable mention in the 2001 national teacher competition.

Joel Stewart, who won both the San Joaquin Geological Society and the PS AAPG 2000 Teacher of the Year honors, will receive several geologic maps from AAPG and a subscription to *Geotimes* from the American Geological Society in recognition of her achievements. Previously, Ms. Stewart had received more than \$1000 in total awards from SJGS and PS AAPG. The winner of the 2001 national AAPG award is Mr. **John McKinney**, an eighth-grade teacher at Castle Rock Middle School in Castle Rock, Colorado.

Ms. Stewart has more than ten years experience teaching science classes and for the past two years has taught and directed a year-long Earth Science curriculum at Ridgeview High School in Bakersfield. As one committee member noted, "She has established a high school curriculum that places classic freshman college emphasis on processes and mapping, with a corresponding subject breadth." Ms. Stewart's teaching focuses on geology, mineralogy, cartography, meteorology, and plate tectonics while involving students in long-term research projects, hands-on laboratory activities with a balance on issues relating to the environment and resource management.

Congratulations Joel for your fine accomplishments, and keep up the good work!

—**Paul H. Mock**
Youth Education Chair, Pacific Section AAPG

SPE College Scholarships

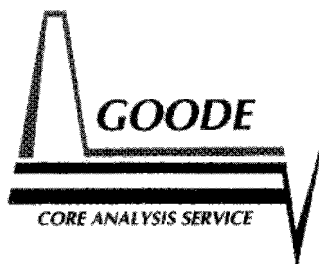
Know a college student? The San Joaquin Valley Section of the Society of Petroleum Engineers has a college scholarship program for engineering, earth science, and environmental science majors. For more information and an application, visit their website at www.sjvspe.org or contact Cynthia Hennigan at 661-395-6469 or cymh@chevron.com. The application deadline for Fall 2001 scholarships is March 16, 2001.

CCGO Fundraiser

The California Council of Geoscience Organizations will hold its annual fundraising meeting at 7:00 p.m. on April 4 at the Old Spaghetti Factory in Jack London Square in Oakland. The meeting will feature retired USGS geologist **Dr. Kenneth R. Lajoie**, who will talk on *The Origin of San Francisco Bay*. The cost for dinner and the talk is \$25 per person; reservations are required. For more information, contact **John Karachewski** at 925-424-5063.

Search for James F. Smith

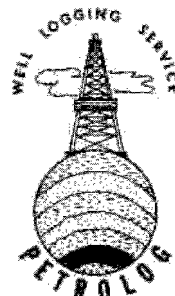
Friends of World War II-veteran and former petroleum worker **James F. Smith** are searching for him or information of his whereabouts. Smith was born in 1920 and entered the Army from Oklahoma; he was a Staff Sergeant and leader of First Platoon, Battery D, 555 Anti-Aircraft Artillery, which was attached to the 104th Infantry Division in Europe. After leaving the Army in 1946, he lived in the Bakersfield area and worked in the petroleum industry. If you have any information about him, please contact Lee D. Smith at ldsmith@thegrid.net.



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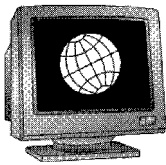
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SPRING 2001 GEOTECH CENTER COURSES @ CSUB!

Introduction to SURFER

This course will provide basic instruction in SURFER, a flexible, cost-effective Windows application that enables creation of high-quality mapping products from common data platforms such as flat ASCII, Access databases, and Excel spreadsheets. Topics include basemap construction, posting, contouring and contouring algorithms, contouring discontinuities, on-map digitizing, data interchange, and working with other applications such as GeoGraphix, EarthVision, and PowerPoint.

Instructors: George Vassilellis, System Technology Associates
Joe Nahama, Nahama Natural Gas

Cost: \$260

Course Meetings: Monday & Wednesday nights, 6-9 p.m.
March 26, 28 & April 2, 4, 16, 18

Registration Deadline: March 19

Maximum Enrollment: 12

Introduction to UNIX

Course participants will develop an understanding of the UNIX File System and become familiar with basic UNIX commands used to facilitate working with UNIX-based mapping software, including communication, navigation, file management, searching, comparison, redirection, and storage commands.

Instructor: Karen Blake, Berry Petroleum

Cost: \$350

Course Meetings: Tuesday & Thursday nights, 6-9 p.m.
April 17, 19, 24, 26 & May 1, 3, 8, 10

Registration Deadline: April 10

Maximum Enrollment: 12

SPRING BREAK OFFERING !!!

UNIX-based Seismic Interpretation (GeoQuest IESX)

Students will utilize a UNIX workstation and GeoQuest (IESX) seismic interpretation software to interpret a 3D seismic data set. Students will create a project; interpret faults and horizons; create time slices, polygons, and various vertical seismic displays; and manipulate colors using a variety of workstation viewing options and utility functions.

Instructor: Jamal Assad, California State University, Bakersfield

Cost: \$350

Course Meetings: 6-10 p.m.
March 21, 22, 26, 27, 28

Registration Deadline: March 14

Maximum Enrollment: 10

Other Courses:

Additional technology courses offered at CSUB this spring quarter include Geology 477: **GIS for Natural Sciences** (ArcView) and Geology 650: **Groundwater Flow Modeling** (MODFLOW). Registration is through normal university channels. Fees are due March 5.

Registration:

Without University Credit

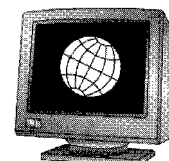
Send contact information (phone number and/or e-mail address) and a check (payable to CSUB Foundation-GTTC) for the entire course fee to:

Dr. Jan Gillespie
Department of Geology
California State University
9001 Stockdale Highway
Bakersfield, CA 93311

With University Credit

Each course counts as 2 credits of Geology 577 (Instruction in Geotechnology), except Introduction to Surfer, which counts 1.5 credits. Students must apply to the University and enroll in Geology 577 in order to receive credit.

For more information about the local and cost-effective training offered at the West Coast GeoTechnology Training Center (GTTC) at California State University, Bakersfield, visit the website at www.cs.csubak.edu/Geology/center.html or contact Jan Gillespie at 661-664-3040 or jan@cs.csubak.edu.



UPCOMING GEOLOGY FIELD TRIPS BY BLM

SAN ANDREAS FAULT FORT TEJON TO PALLET CREEK April 7, 2001

The Bureau of Land Management and the Buena Vista Museum of Natural History are sponsoring a one-day field trip to examine part of the San Andreas fault.

ITINERARY

This field trip examines the history and geology of the San Andreas fault between Fort Tejon and Pallet Creek. This segment of the San Andreas fault takes us to several sag ponds and offset streams. Stops are made at Fort Tejon, Quail Lake, National Cement Mine, Lake Elizabeth, I-5 road cut at Palmdale, and Devil's Punchbowl. Carbon 14 radiometric dating and its application to understanding the frequency of earthquakes along the San Andreas fault are considered at the Pallet Creek paleoseismic site. Examples of the interaction between ecosystems and fault systems are discussed. Various theories as to where and when the next large earthquake will strike Southern California will be discussed.

- 8:00 a.m. Leave Bakersfield (BLM Complex, 3801 Pegasus Drive)
- 9:30 a.m. Tour of Fort Tejon. Meet participants from Los Angeles, Ventura, and Palmdale.)
- 10:30 a.m. Quail Lake
- 11:00 a.m. National Cement Mine Tour
- 12:30 a.m. Lake Elizabeth, Lunch
- 1:30 p.m. San Andreas fault at Interstate 5 in Palmdale
- 2:30 p.m. Devil's Punchbowl
- 4:00 p.m. Pallet Creek Paleoseismic Site
- 5:00 p.m. Return to Bakersfield

RESERVATIONS & REGISTRATION FEE

Complete the reservation form below. Make your check payable to "Buena Vista Museum of Natural History" and mail to BVMNH, 2018 Chester Avenue, Bakersfield, CA 93301. The registration fee is \$10 per vehicle (regardless of how many people are in that vehicle).

GEOLOGY AND OIL DEVELOPMENT HISTORY OF THE VENTURA BASIN VENTURA, OJAI, SANTA PAULA, LAKE PIRU June 2, 2001

The Bureau of Land Management and the Buena Vista Museum of Natural History in association with the Santa Barbara Botanic Garden, U.S. Forest Service, U.S. Fish and Wildlife Service, Dibblee Foundation, Coast Geological Society, Sunbow Ecology Center, and Los Padres Interpretive Association are sponsoring a one-day field trip in the Ventura Basin. The field trip considers the way the landscape has changed in response to both geologic and cultural influences.

ITINERARY

The field trip starts 8:00 a.m. from Channel Islands National Park Visitor's Center at 1901 Spinnaker Drive in Ventura. From there we go to the Olivas Adobe and museum, a well-restored Spanish colonial-era structure. Then we go to the Ventura County Historical Society Museum. After lunch we go through Ojai to the Sisar Creek Oil Seeps and the California Oil Museum in Santa Paula. This is followed by an excursion to Bardsdale to learn about the effects of the St. Francis Dam disaster. The field trip ends with a tour of the Camulos Ranch and a discussion of gold mining in the Blue Point district, north of Lake Piru.

- 6:00 a.m. Leave Bakersfield (BLM Complex, 3801 Pegasus Drive)
- 8:30 a.m. Channel Islands National Park Visitor's Center
- 9:30 a.m. Olivas Adobe (\$3 fee)
- 10:30 a.m. Ventura County Historical Society (\$4 fee)
- 11:30 a.m. Lunch (Downtown Ventura)
- 1:00 p.m. Sisar Creek Oil Seeps
- 2:00 p.m. Sulfur Mountain oil mines (historic stop)
- 3:00 p.m. California Oil Museum, Santa Paula (\$3 fee)
- 4:30 p.m. Camulos Ranch and Blue Point district (\$4 fee)
- 5:30 p.m. Return to Bakersfield

RESERVATIONS & REGISTRATION FEE

Complete the reservation form below. Make your check payable to "Buena Vista Museum of Natural History" and mail to BVMNH, 1201 20th Street, Bakersfield, CA 93301. The registration fee is \$10 per vehicle (regardless of how many people are in that vehicle).

OTHER INFORMATION

You will be asked to sign a "Hold Harmless" agreement before the field trip begins. Bring a sack lunch and plenty of water. Bring a CB radio. If you do not have a CB, you can rent one for \$5.00. Call for most recent dates and schedule; sometimes we need to change field trip dates. If you have any questions, contact Dr. Gregg Wilkerson of BLM at 661-391-6081 or contact the Museum at 661-324-6350.

RESERVATION FORM

Field Trip (Location) _____

Field Trip Date _____

Name _____

Address _____

City _____

State _____

Zip Code _____

Phone _____

Persons in Own Vehicle: _____

Persons in Museum Vehicle: _____

AMOUNT ENCLOSED: _____

Credit Card Type: Visa MC Card Number _____

**Deadline for the
May/June issue:
April 9, 2001**

Visit the Pacific Section AAPG
website:
www.psaapg.org

The *Pacific Petroleum Geologist Newsletter* is published bimonthly by the Pacific Section of the American Association of Petroleum Geologists.

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Camarillo, CA 93010
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P.O. Box 1072, Bakersfield, CA 93302

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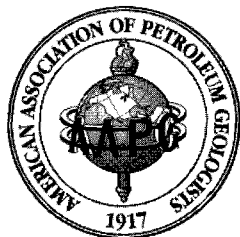
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PACIFIC PETROLEUM GEOLOGIST NEWSLETTER



Pacific Section
American Association of Petroleum Geologists

May & June 2001 No.3

MESSAGE FROM THE PRESIDENT

The convention is over, and it was a resounding success. The technical sessions were strong and varied, the poster sessions were top notch, and the social events ran smoothly and were well attended. It appears that both organizations will realize a surplus. The success of the convention is a tribute to the co-chairs, their staff, and the membership of the PS-AAPG and the Cordilleran Section GSA. Right now we are working on the post-convention reports and record keeping. In the near future we should be closing the books and turning our attention to the future. The next convention will be in Anchorage in late May 2001—make your plans to attend now. It should be another outstanding meeting.

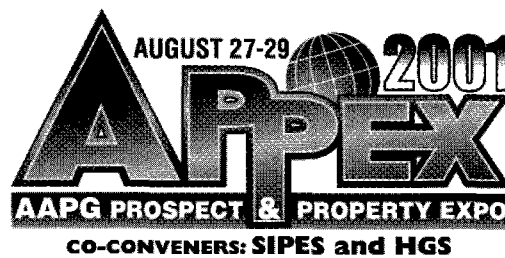
Mark Wilson was at the convention selling used books and promoting the Pacific Section AAPG Foundation. Some of you may have stopped by, chatted with Mark, and bought books. We are all grateful for the support that members have shown the Foundation to date. As you know, the Foundation was formed last year. Since then, members have been enthusiastic in their participation. The Foundation is important because it gives our organization a stable mechanism to promote education, research, and other scientific activities in the field of geology. It is also our legacy to the future. We are, as an organization, in a strong position because of the stewardship of our predecessors. We owe them, and we owe those who will follow us a financially stable mechanism that will benefit our organization through the promotion of new ideas, new research, and new people. The Foundation is a unique opportunity because your contributions support geology and education on a local level and will make a significant impact. All of us are committed to the study of science and geology. I ask that we continue that commitment by contributing to the Foundation. The Foundation is a 501(c)(3) charitable organization. Contributions can be made immediately and directly, or they can be deferred through inclusion in your estate. You can also contribute in an endowment or in recognition of someone.

I ask that each of you take your checkbook out right now and donate one million dollars to the Foundation. OK, if you don't have that kind of money this week then perhaps you could afford something less!! Please support the Foundation. It is a worthy cause. Send your contributions or pledges to PS-AAPG, P.O. Box 1072, Bakersfield, CA 93302. Make the check out to PS-AAPG Foundation. Thank you.

—Kay Pitts

President, Pacific Section AAPG

ANNOUNCING



The American Association of Petroleum Geologists is proud to announce a new venture for the presentation of prospects and properties in the fall of 2001 the **AAPG Prospect & Property Exposition (APPEX)**. Co-conveners for this new annual event are the Society of Independent Professional Earth Scientists and the Houston Geological Society. A primary sponsor for this exposition is PLS, a subsidiary of Torch Energy Advisors.

APPEX will showcase both domestic and international opportunities. The Expo is scheduled for **August 28-29, 2001**, at the Adam's Mark Hotel, Houston, Texas, located just east of the intersection of Westheimer and Beltway 8. This hotel is ideally suited for this event with room for nearly 300 booths. As an integral part of this event, PLS and Torch Energy Advisors will host a **DealMakers conference** to be held on **August 27 & 28** and will feature presentations on industry activity, exploration, acquisitions and source and capital.

To exhibit at or attend **APPEX**, or if you are interested in becoming a sponsor, please contact Michelle Mayfield Gentzen at 888-945-2274 x618, mmayfiel@aapg.org.

www.aapg.org

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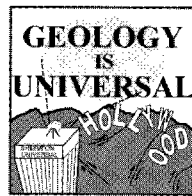
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SNAPSHOTS FROM THE 2001 PACIFIC SECTION CONVENTION

Conventioneers at large . . .



Convention Co-Chairs **Jeff Shellebarger** (left) and **Peter Weigand** (center) with field trip leader **Tom Wright**.



Thanks to **Allen Britton** for providing his convention photographs!



Honors & Awards Committee Chairman **Bob Lindblom** (left) and **Don Clarke**, recipient of a Special Recognition Award.



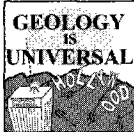
AAPG President-Elect **Robbie Gries** (left) and GSA President **Sharon Mosher**, who presented a joint keynote address at the All-Convention Luncheon.



Convention Registration Co-Chair **Larry Knauer** (left) with **Mr. and Mrs. Bud Reid**.



Dalton Lockman (left), recipient of the A. I. Levorsen Award, and **Bob Countryman**, Convention Operations Chair.



Making headlines with energy . . .

LOS ANGELES TIMES

TUESDAY, APRIL 10, 2001

Oil Industry Spokesman Urges Easing of Restrictions

■ Environment: Geologist backs resumption of offshore drilling and supports tax breaks in response to energy crisis.

By KENNETH REICH
TIMES STAFF WRITER

A call for relaxation of environmental laws, an end to moratoriums on offshore oil drilling and more favorable tax treatment for oil and gas drillers was made Monday by an industry geologist at a meeting of scientists and petroleum engineers in Universal City.

G. Warfield Hobbs, a divisional president of the 30,000-member American Assn. of Petroleum Geologists, said it is high time the public and Congress recognize facts in the energy crisis.

"You can talk until you're blue in the face," Hobbs said. "They don't want to hear it. . . . How do we get the public's attention?"

Citing statistics provided by the

U.S. Energy Information Agency, Hobbs told a joint luncheon of his group and the Geological Society of America that energy demand in the United States has grown by 20% since 1979, but domestic supply has increased by only 4.3%.

In the next 20 years, the agency's projections show, overall energy consumption will increase by 32%, petroleum demand by 62%, natural gas demand by 45%, coal demand by 22% and electricity demand by 45%, Hobbs said.

"Despite a 37% increase in energy efficiency, crude oil imports will increase 40% by 2020 to a total 64% of domestic supply," he said, even if curbs on domestic reduction are eased.

Suggestions for Increasing Production

Accordingly, Hobbs urged:

- Clearing the way for drilling off the East and West coasts and in the Gulf of Mexico, which he said could add 46 billion barrels of oil

to the nation's officially projected 110 billion in onshore reserves and 268 trillion cubic feet of gas to the projected onshore 1,074 trillion.

- Amending the Federal Antiquities Act to "prevent its misuse in restricting access to public lands." The act protects some fossils and authorizes the president to set aside land for national monuments without going to Congress.

- Reforming the Clean Water Act and the Endangered Species Act, especially sections pertaining to wetlands. This would not lessen protections for "caribou and grizzly bears," he said, but would "stop searches for the black-tailed ferret two counties from where it is known to exist," and "stop protecting each separate subspecies of salamander."

- Restricting the federal Environmental Protection Agency's ability to regulate drilling muds as hazardous wastes. These have been implemented as additional protections from drilling excesses.

- Reducing taxes for the oil and gas industries by such changes as

restoring the write-off of intangible drilling costs for passive investors, eliminating the "onerous alternative minimum tax" and raising depletion allowance provisions to previously high levels.

- Opening portions of the Arctic National Wildlife Refuge to oil drilling as President Bush has urged. Hobbs argued that most of the land to actually be used for drilling is swampland, not caribou grazing territory.

"We must assure the public that we have the energy resources to meet the demand and that these resources can indeed be developed in a responsible manner in environmentally sensitive areas of the Rocky Mountains, the north slope of Alaska, the eastern Gulf of Mexico and the Pacific and Atlantic outer continental shelf," Hobbs said.

A resident of Connecticut, he said, "I frankly don't want oil washing up on my family's beach, but I'm prepared to take that risk to help resolve the nation's energy problems."

By the end of the convention, the hotel lobby bar had gotten to know some of the geologists . . .



Shellebarger Stone Sour

Amaretto & Sweet and Sour Shaken to Perfection

Weigand Martini

Smirnoff Vodka & Dry Vermouth with 2 Olives

Specht Special Martini

Absolut Vodka, Sour Apple Schnapps & a Fabio Twist

Geological Mudslide

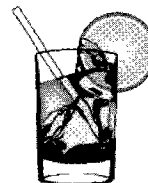
Vodka, Baileys & Kahlua

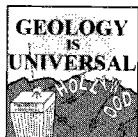
Absolutely on the Rocks

Absolut Vodka over Ice with Orange Juice

Bombay Sapphire Tonic

Bombay Sapphire Gin & Tonic with Lime

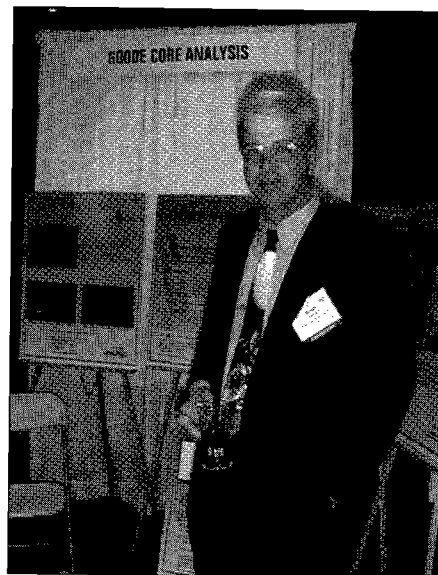




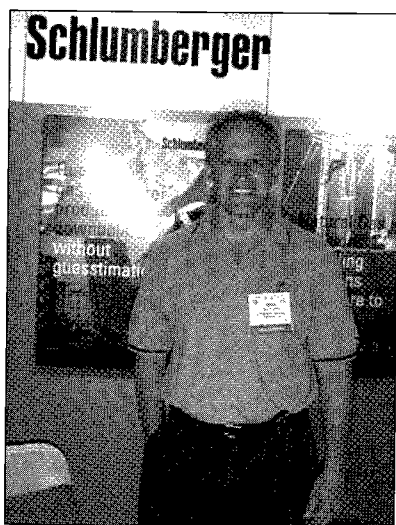
Exhibitors on display . . .



AAGP Headquarters representative **Michelle Mayfield Gentzen** at the AAGP exhibit.



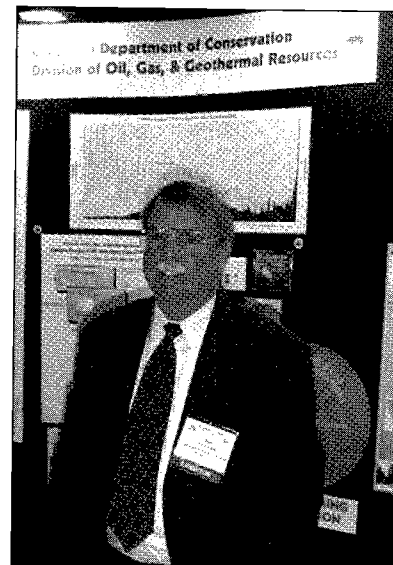
Bryan Bell exhibiting his company, Goode Core Analysis Service.



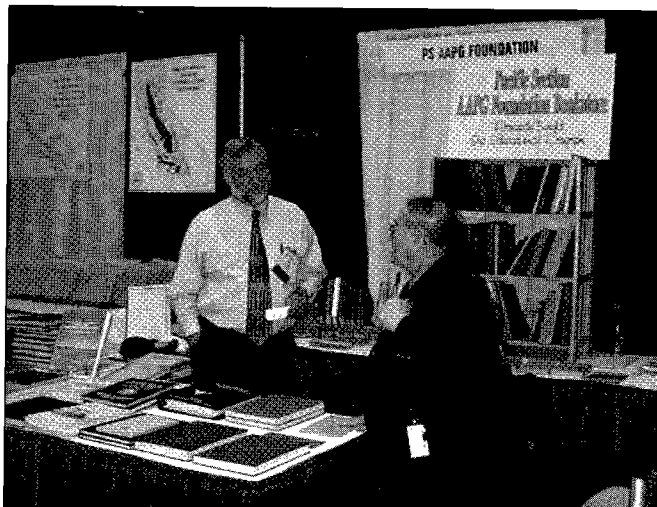
Convention Exhibits Chair **Chris Presmyk** at his company's exhibit.
(Many thanks to Schlumberger for providing coffee at the Convention!)



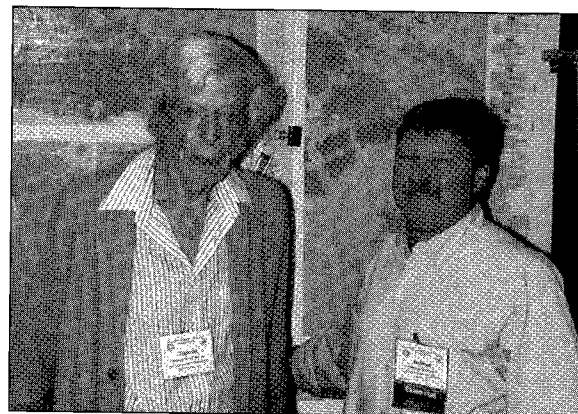
The Halliburton crew (from left to right): **Carl Glatz, Lanny Jones, and Scott Wruck.**



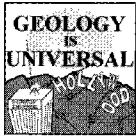
Jim Campion at his agency's exhibit.



Pacific Section AAPG Foundation Trustee **Mark Wilson** (left), who masterminded the very successful Foundation Bookstore, and **Ed Marks.**



Tom Dibblee (left) and **Helmut Ehrenspeck** at the Dibblee Geological Foundation exhibit.



Award winners . . .



Martin Van Couvering Award

The Martin Van Couvering Award is presented jointly by the Pacific Section AAPG and Pacific Section SEPM. The award was created to encourage university student attendance and participation at Pacific Section meetings and field trips. At the request of the Pacific Section, deserving students are selected by faculty at universities local to the annual convention. This year's recipients are:

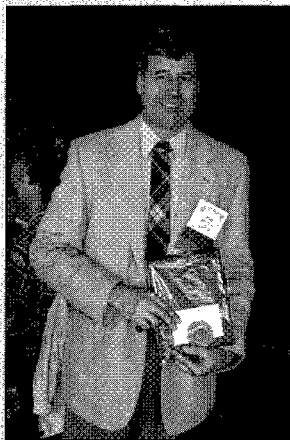
- Jack Miles • California State University, Northridge
- Cameron Kennedy • California State University, Northridge
- Harry Angell • California State University, Bakersfield
- Adam Mahan • California State University, Bakersfield
- Kerry Ford • California State University, Fresno
- Susan Glowacki • California State University, Fresno
- Daniel Eastmond • University of California, Los Angeles
- Anna Foutz • California State University, Los Angeles
- Cathleen Zeleski • California State University, Long Beach
- Jared Little • California Lutheran University

H. Victor Church Memorial Award

The H. Victor Church Memorial Award is given by the Pacific Section AAPG in recognition of the best poster presented at a Pacific Section meeting. This award is made at the annual section convention for a poster presented at the previous year's meeting, in this case the 2000 Convention in Long Beach, California. The award consists of an engraved plaque. The 2000 winner is:

Mike S. Clark

Co-authors: Karla E. Tucker & William C. Kempner
"Sequence Stratigraphy and Trapping Mechanisms, Miocene Temblor Formation, Coalinga Field, California"



Special Recognition Award

In recognition of outstanding service as the **General Chairman** of the 2000 Convention in Long Beach, California, the Pacific Section AAPG would like to present a special token of appreciation to:

Don Clarke

City of Long Beach Department of Oil Properties

Outstanding Corporate Support

The Pacific Section AAPG acknowledges the considerable contributions of money and human resources that

Texaco Worldwide Exploration & Production, California Business Unit

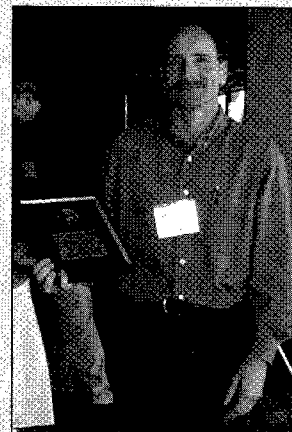
has made to our professional geologic community. Texaco's outstanding support of our goal to promote public understanding of earth science and the petroleum industry is greatly appreciated.

A. I. Levorsen Memorial Award

The A. I. Levorsen Memorial Award is given by National AAPG in recognition of the best paper presented at each AAPG section meeting, with particular emphasis on creative thinking toward new ideas in exploration. The award is made at the section meeting for papers presented at the previous year's meeting. The award consists of an engraved plaque. The winner of the 2000 award is:

Dalton F. Lockman

Co-authors: G. Dudley, R. Fox, R. Krantz, S. Lewis, P. Cerveny, R. Davies, R. Knipe & D. Coffield
"Predicting Fault-Fluid Behavior and Reducing Development Risks in the Prudhoe Bay Field, Alaska"



Pacific Section AAPG Distinguished Educator Award

The Distinguished Educator Award is given by Pacific Section AAPG in recognition of distinguished and outstanding contributions to geological education and counseling of students. This year we are proud to honor:

DR. DONN S. GORSLINE
Professor Emeritus
University of Southern California

In science, a lot of information is needed to be able to publish even a short paper, and it is often difficult to do. However it is easy to write a book about Professor Emeritus Donn Gorsline because every one of his graduate students, colleagues, and friends have tons of data about his professional life, experiences, and human qualities.

Donn Gorsline is one of the world's leading researchers in sedimentology and marine geology. His work in the Southern California continental margin is considered a classic. Donn has been recognized with many awards, including the prestigious Shepard Medal for distinguished contributions in marine geology. Among his many educational achievements at USC, he is the founder of the course "Introduction to Oceanography," which since 1962 has been



Donn Gorsline and Pacific Section AAPG President Kay Pitts.

one of the most popular general education classes at USC.

Donn initiated his academic work at Florida State University, where he studied coastal sedimentology and advised his first graduate students. Since coming to the University of Southern California 38 years ago, he has advised more than 126 graduate students and continues as a co-advisor even in "retirement." He is one of the most loved and admired persons in the Earth Science department at USC as well as by many people from all over the world. His tireless dedication to science, his professional accomplishments, his energy and devotion to his students, and wonderful sense of humor make him one of those rare people that we would all like to emulate. Personally, he has become part of my family.

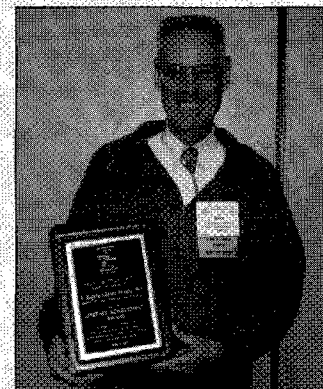
—Janette Murillo

A. Eugene Fritsche Lifetime Achievement Award

This year marks the inauguration of Pacific Section SEPM's Lifetime Achievement Award. It is with great honor that this initial presentation is made to:

DR. A. EUGENE FRITSCHE
Professor Emeritus
Department of Geological Sciences
California State University, Northridge

This award, presented for the first time on April 9, 2001, recognizes Dr. Fritsche's unparalleled combination of creativity, dedication, commitment, hard work, and scientific contribution to the Pacific Section SEPM. From this point forward, this award will be known as the A. Eugene Fritsche Lifetime Achievement Award.



Pacific Section AAPG Honorary Life Membership Award

Honorary Life Membership is Pacific Section AAPG's highest honor. It is bestowed upon members who have distinguished themselves by their contributions and devotion to the science and profession of petroleum geology and by outstanding service to the Pacific Section. This year we honor:

JOSEPH A. DUNWOODY

THOMAS E. HOPPS

MARK L. WILSON

(See citations on the following pages.)

Pacific Section AAPG Honorary Life Membership Award

JOSEPH A. DUNWOODY

Joe was born May 8, 1922 on the Johnson Hat Ranch in Gray County, Texas. He attended grade schools in Texas and Oklahoma. He attended high school first in Panhandle, Texas and then Santa Barbara, California where he graduated in June 1940.

After graduation from high school, he entered the United States Army Air Corps. When World War II started, he was flying patrol along the West Coast of California until December 1942 when he was transferred to Alaska and the Aleutian Islands.

His unit bombed Kiska and Attu Islands and covered the infantry landing and freeing of Attu from the Japanese. Two Air Corp squadrons and one Navy flight wing kept one tenth of the Japanese Air Force tied up in the Kurile Islands. The Paramashiro Naval Base in the Kurile Islands was the staging area for the attack on Pearl Harbor. On July 10, 1943, his unit bombed Paramashiro, the first bombing of the Japanese Home Islands after the Doolittle raid. On September 13, 1943, his B-25 was badly damaged during an on-the-deck attack on Paramashiro and the plane and crew made its way to the Kamachatka Peninsula. He was interred in Russia until March 1944. After his release he went to North Africa and in April 1944 was sent back to the United States. He was honorably discharged in April 1945.

He entered the University of Southern California and graduated with a Bachelor of Science Degree in Geology in 1949. After graduation, Joe worked for United Geophysical and as a petroleum engineer for the Bartholome Corporation and the California Division of Oil and Gas.

In 1952, he started work for Pacific Western Oil Corporation and moved from Long Beach to Bakersfield. He immediately went to work in the Belgian Anticline Oil Field, where his work led to several new fault block and extension discoveries. In 1953, the M&M # 22-30, a sub-thrust play developed by Joe, was drilled to 10,900 feet, the deepest well in the field. His work with Pacific Western also included the Mountain View, Edison, Lost Hills, San Joaquin, Cymric, and Belridge areas in the San Joaquin Valley; Wilmington and Rosecrans properties in Long Beach; and Cat Canyon in the Santa Maria Basin.

In 1957, Pacific Western was merged with Tidewater Associated Oil Company. At Tidewater, Joe discovered the



Joseph Dunwoody and Pacific Section AAPG President Kay Pitts.

555 Pool at United Anticline along with Al Hopkins of Richfield. Joe went on to discover the Lakeside and Todhunter Lake fields and later supervised a water flood project at Belgian Anticline.

In 1967, Joe opened a consulting office in Bakersfield. His immediate area of interest was the west and east sides of the Southern San Joaquin Valley. Joe developed several deep prospects in California and Nevada. While working in the Sacramento Valley with Norris Oil Company, he developed a prospect that led to drilling the deepest well (19,000 feet) in the Northern Sacramento Valley by Shell Oil Company. Later, while working for the Belridge Oil Company, the 15,000-foot Lost Belridge well was drilled east of South

Belridge. In 1985, while working for Brent Energy of Calgary, Canada, a 9,800-foot well was drilled in Lake Valley, Nevada—one of the deepest in Eastern Nevada.

Other areas worked in California included the central part of the San Joaquin Valley from Chowchilla to the Helm-Riverdale area, particularly the Gill Ranch-Moffat Ranch fields. He also ran an exploration office for Florida Exploration covering the San Joaquin and Santa Maria basins. His work has covered the western slope of Colorado, the Douglas Arch and Wolf Creek, southern Louisiana, Central Oklahoma, Edwards Arch in Texas, and the Eastern Illinois Basin.

Joe joined the AAPG and San Joaquin Geological Society in 1953. He was elected Vice President for the 1959-60 term and served the second half as president after the transfer of Harold Billman to the Canary Islands. Joe worked on many field trips on the west side of the San Joaquin Valley, publishing the paper on the Belgian Anticline field for the now legendary 1968 West Side Guidebook. Joe was chairman for the cross-section committee that produced San Joaquin Valley cross sections No. 17 in 1969 and 8R in 1986.

Joe and Alene Ring were married in 1950 and are the parents of three children: Mary Ann, Joseph III, Leah Alene and four grandchildren. Joe Dunwoody III is also a geologist.

Joe is a member of AAPG and AIPG and is State of California Registered Geologist #183.

A lifelong geologist and American hero.

—Harold Sugden



A reminder — Please check to ensure that your Pacific Section AAPG membership is still active and your membership has not expired. (Your membership expiration date is listed on the first line of your newsletter mailing label.) Unfortunately, ~90 individuals will be dropped from our mailing list because their membership has expired. **Don't be dropped!** Check your membership status and, if necessary, renew it today!

Pacific Section AAPG Honorary Life Membership Award

THOMAS E. HOPPS

Our honoree, Tom Hopps, represents integrity, dedication, and geological expertise in our industry. He is a native Californian, having been born in Alhambra. At an early age, Tom's family moved to Ridgecrest on the east side of the Sierra, where he lived for the next eighteen years. It was in this environment that Tom's interest in geology was kindled. A neighbor had been a foreman in the Yellow Astor mine in nearby Randsburg and, in addition to filling Tom with stories about the wild and wooly days, he took this future geologist to obscure places to pan for gold and look at rocks. Another lure that brought Tom to geology was the picture of a burly geologist on an Alaskan mountainside that was on the back of the geology merit badge pamphlet; a merit badge he earned during his 23 years in the Boy Scouts.

Tom graduated from Burroughs High School in Ridgecrest in 1960 and continued his education at Bakersfield Junior College in preparation of taking over the family sheet metal business. And with his background, he was naturally obliged to satisfy the science requirement by taking an introductory course in geology. The professor was Ken Lautenschlauger, a former oil company geologist who had left industry to go into teaching. He was tough, but he was good. Tom was hooked!

Tom continued his college education at Cal State Long Beach, receiving his degree in geology in 1969. While in college in Bakersfield and Long Beach, he worked part time as a Geologic and Engineering aid for Signal Oil and Gas Company. This gave Tom a great deal of insight and a better understanding into the workings of an oil company.

Upon graduation, Tom went to work in Montana for the Burlington Northern Railroad as a field geologist. After one



Tom Hopps and Pacific Section AAPG President Kay Pitts.

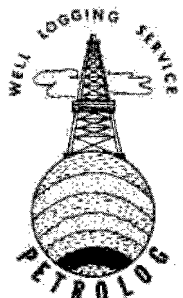
year with the railroad, he returned to California and joined Argo Petroleum Corporation in Ventura. For the next seven years, he worked nearly all the geologic basins of California. In 1979, Tom left Argo to intentionally become a consultant and in 1982 formed his own firm, Rancho Energy Consultants, Inc., continuing to be active in all phases of petroleum exploration and development.

Over the years, Tom has shared his geologic expertise through the publication of over 15 articles and basin studies in leading scientific journals. He has advised other geologists, especially those considering going into consulting, and his library of logs and publications has been available to all.

Tom joined the AAPG in 1967 while a student and has been active in local Society activities since 1975. He has served as Secretary, Vice President, and President of the Coast Geological Society and as Finance Chairman, Operations Coordinator, and Operations Chairman for Pacific Section AAPG annual meetings. He is current Chairman of the Pacific Section Cross Section Committee and is a field trip leader at this year's annual meeting. Over the years, Tom has contributed to, and helped lead, author, and edit many field trips throughout the area, and it has been my pleasure to have worked with him on some of these.

As a member of the Honors and Awards Committee responsible for recommending to the Pacific Section Executive Committee the names of members in the coastal area that we feel should be considered for Honorary Membership, it is our great pleasure to see this honor bestowed upon Tom. Speaking for the other members: CONGRATULATIONS!

—G.C. "Butch" Brown



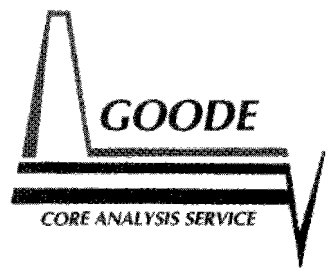
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Pacific Section AAPG Honorary Life Membership Award

MARK L. WILSON

Mark L. Wilson was born in Aberdeen, Washington many years before me. Being so much older than I am has made it easier for me to look up to him as a mentor. Mark has a great memory for information and details of methodologies that worked or failed in the oilpatch, and I have frequently sought his advice in many situations over the years. Mark received his BS in geology in 1970 from the University of Utah. He spent the next 11 years working for several mining companies, including Getty Minerals and Gulf Minerals. Mark covered a lot of ground around the western United States exploring for copper, nickel, and uranium. He made the transition to oil in 1982 when he went to work for Gulf Oil in Bakersfield. In 1985, he headed to Elk Hills, also known

as Naval Petroleum Reserve One, to work for Bechtel Petroleum Operations Inc. where a team of geologists was being assembled to help run the field for the Department of Energy. Mark spent the next 12 years becoming one of the real experts on the reservoir properties and production vagaries of the numerous reservoirs in that field. His expertise was recognized by Chevron, a part owner of the field, and they hired him when Bechtel Petroleum ceased to exist following the sale of Elk Hills to Occidental Petroleum in 1997. He is today a senior geologist with Chevron assigned to review and look out for Chevron's interests in the Elk Hills field.

Mark is part of the infamous annual over-the-hill-mid-life-crisis-fat-man-trips. Mark, Tony Reid, and I head off for a long weekend every year to eat steaks, drink too much, and hike to the top of some mountain and commune with nature. We close each evening around a campfire talking about women, work, and why things are the way they are. At some point the why part usually entails discussions about why geology is an interesting and satisfying profession to pursue. Participation in the Pacific Section AAPG is an important part of that satisfaction to Mark. His strong sense of volunteerism has been put to good use in the PS-AAPG as well as other civic activities.

Mark is a past president of the Pacific Section AAPG, as well as the San Joaquin Geological Society. He was instrumental in helping get the Pacific Section back on track



Mark Wilson and Pacific Section AAPG President Kay Pitts.

fiscally in the 1990s. Mark has served on numerous convention committees, including this year's committee on which he is the fund-raising chair and the publicity chair. He is also helping to coordinate one of the short courses this year. Mark has served as a national AAPG delegate for the SJGS five times. He is the Chevron representative on the Board of Directors for the California Well Sample Repository. He instigated the effort to save thousands of well files, which are now a large part of the database available at the California Well Sample Repository. A portion of the data Mark saved was diverted to the new geological data repository being assembled at Cal State University Long Beach for the Los Angeles Basin. Mark was instrumental in creating

the Pacific Section AAPG Foundation and happily serves on its Board of Directors. He has agreed to run for the position again this year.

Mark has been happily married to hometown girl Pamela for more than 30 years. They raised two children, Jennifer, a former Peace Corps volunteer who continues to live in the Ukraine, and their son Ryan, who is pursuing art studies and landscaping interests in Eugene, Oregon. Somewhere amongst the family, work, and volunteerism that consumes his life he finds time to pursue his passion of collecting old books, particularly those of John Steinbeck. On top of that, Mark has written, co-authored, or presented a dozen papers on a wide range of topics pertaining to petroleum and production geology.

If Mark isn't instigating a project for the PS-AAPG, he can be counted on to help with whatever worthwhile project comes to his attention. I have worked with Mark on many San Joaquin Geological Society and Pacific Section AAPG meetings, conventions, field trips, and short courses. It has always been a pleasure. I am very happy that the Honors and Awards Committee of the Pacific Section AAPG chose to bestow Honorary Life Membership upon Mark. And I am even more pleased at the prospect of being able to work for a third time with my friend, a terrific geologist and a true asset to the Pacific Section AAPG and its members.

—Larry C. Knauer



Another reminder — The 2001 Pacific Section AAPG election for Executive Committee officers is under way. Please take some time to review the biographical information about the candidates (see the March/April issue of the newsletter) and remember to **vote by June 15**. The newly elected officers will be announced in the July/August issue of the newsletter and will begin their service in July 2001. **Every vote counts** (no hanging chads, please)!



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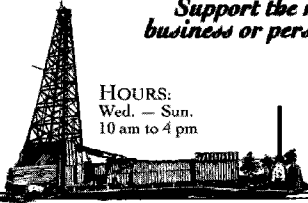
"From fossils to fill'er up, the California Oil Museum tells the story of the black bonanza that created wealth, work, and prosperity for generations of Californians."

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FOUNDATION FUNDRAISER

The Pacific Section AAPG Foundation solicits your contribution of **OLD GEOLOGIC LITERATURE / BOOKS** to sell for the benefit of endowment funds at future Pacific Section Conventions. The Pacific Section AAPG Foundation is a 501(c)(3) corporation.

Contact Mark L. Wilson at:
malw@chevron.com
or 661-395-6364



Mark Wilson reports that the first Pacific Section AAPG Foundation Bookstore at the 2001 Joint Meeting of the Pacific Section AAPG and Cordilleran Section GSA was a rousing success with \$793 in total sales! A large number of old geologic and petroleum industry books were donated and then sold at a fair price. The proceeds were added to the Foundation's operating funds with the hope that eventually those funds can become a dedicated endowment that provides for the Pacific Section's Teacher of the Year awards.

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IN ASSOCIATION WITH

SOUTHERN UTAH UNIVERSITY AND THE DIXIE GEOLOGICAL SOCIETY
FIELD CONFERENCE, CEDAR CITY, UTAH - SEPTEMBER 20-23, 2001

IN MEMORIAM: J. HOOVER MACKIN

THE MACKIN CONFERENCE THE GEOLOGIC TRANSITION HIGH PLATEAUS TO GREAT BASIN

The UGA - AAPG/PS 2001 Field Conference, to be held in Cedar City, Utah, September 20-23, 2001, dedicated to the memory of J. Hoover Mackin, is to have as its focus the nature of the geologic transition from the Colorado Plateau to the Basin Range Province. The field trips will concentrate on the transition from the High Plateaus of Utah to the Great Basin.

The registration fee for the conference will be \$75.00, in which will be included the cost of the symposium volume and attendance at the conference banquet. The featured speaker at the banquet will be Dr. Charles Groat, Director, U.S. Geological Survey. Four day-long field trips, at participant cost of \$50-75, will be conducted: (1) The Hurricane fault zone (S. Reber and W. Taylor, co-leaders), (2) Cretaceous stratigraphy of the western Markagunt Plateau (J. Eaton, leader), (3) The Caliente caldera complex, Nevada (P.D. Rowley, leader), and (4) Structure, stratigraphy and oil potential of the Great Basin (R. Fink, leader).

For more information on the Conference or on registration, contact:

M. C. Erskine, Ph.D.
Editor/Technical Program Chair
5413 Silva Avenue
El Cerrito, CA 94530
Phone: (510) 234-6214
mcerskine@home.com

**THE GEOLOGIC TRANSITION
HIGH PLATEAUS TO GREAT BASIN**



Utah Geological Association
Pacific Section/American Association of Petroleum Geologists
in Association with Southern Utah University and the Dixie Geological Society
Field Conference, Cedar City, Utah - September 20-23, 2001
In Memoriam: J. Hoover Mackin

**REGISTRATION FORM
THE MACKIN CONFERENCE
THE GEOLOGIC TRANSITION - HIGH PLATEAUS TO GREAT BASIN**

Cedar City, Utah - September 20-23, 2001

Registration Deadline: September 7, 2001 Cancellation Deadline: September 15, 2001

PLEASE PRINT CLEARLY - THIS AREA IS FOR YOUR BADGE

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Employer/University (affiliation as it should appear on badge)

Mailing address

City State Zip Code

E-mail Business phone Fax Home phone

Spouse/Guest First name/Nick name Last name

Registration Fees (includes Icebreaker) Fee Column A US\$ Amt.
(postmarked on/ before 9/07/01)

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Spouse/Guest (no Symposium volume) \$50 \$

Extra Symposium volumes \$25/ea \$

Total Column A \$

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SPECIAL EVENTS

Banquet (included with Professional & Spouse/Guest Registration)	Fee	Quantity	Column B US\$ Amt
--	-----	----------	-------------------

Please indicate choice
 Chicken Cordon Bleu
 Pasta Primavera

Extra Tickets \$25/ea _____ \$
 Chicken Cordon Bleu
 Pasta Primavera

Western Cookout (included with Caliente, Great Basin, & Spouse/Guest field trips) Extra Tickets \$17.50 _____ \$

FIELD TRIPS (preregistration required) Includes transportation, lunch, and snacks

Lunch preference: Regular Vegetarian

Thursday, September 20
1. The Hurricane Fault Zone \$50 _____ \$
(S. Reber and W. Taylor, co-leaders)

2. Cretaceous Stratigraphy of the Western Markagunt Plateau \$50 _____ \$
(J. Eaton, leader)

Saturday, September 22
3. The Caliente Caldera Complex, Nevada \$75 _____ \$
(P. Rowley, leader)

4. Structure, stratigraphy, and oil potential of the Great Basin \$75 _____ \$
(M. Erskine, leader)

5. Spouse/Guest Trip - Zion, Kolob, Cedar Breaks \$50 _____ \$

Sunday, September 23
6. Sevier Fault Zone - (\$25 if registered for Hurricane fault trip) \$50 _____ \$
S. Reber and W. Taylor, co-leaders

Special Student Field Trip Rate (does not include Western Cookout)

Specify trip(s) _____ \$25/ea _____ \$

Housing A block of rooms has been reserved at the Cedar City Holiday Inn (conference site) and are available for \$57/ single or double. Contact the Holiday inn at (435) 586-8888 (1575 W. 200 N. Cedar City, UT 84720) to make your own reservations.

Total Column B \$ _____

Total Column A \$ _____

TOTAL FEES \$ _____

2001 EARTH SCIENCE TEACHERS OF THE YEAR

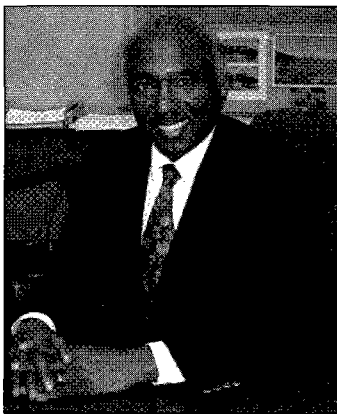
JOHN JACKSON

Monterey Highlands School, Monterey Park, CA Los Angeles Basin Geological Society & Pacific Section AAPG Winner

The Los Angeles Basin Geological Society (LABGS) has named John Jackson, a veteran seventh-grade teacher at Monterey Highlands School in Monterey Park, the Earth Science Teacher of the Year. Mr. Jackson's goal is to instill confidence in students, create a strong foundation for lifelong learning, teach them how to be good citizens, and involve students in their own education through "action" learning. He believes that his students must be challenged to take an active role in scientific research by obtaining knowledge from library books and the Internet, conversing with experts in the field, performing field studies, and conducting technology transfer. In this way, his students become more productive, demonstrate leadership, share their learning experiences, and model science in "action." Learning, to them, becomes realistic and intrinsically more meaningful.

For these reasons, Mr. Jackson developed the Project EARTH (Environmental Awareness Research Through Hands-on activity) program in 1977 to connect students to the earth sciences and technology. Project EARTH stresses scientific research, good student communications skills, technology, and a deep concern for our environment. Project EARTH includes the following components:

- The *Impact Science Magazine* (ISM), a scholarly student-written and published magazine that demonstrates the impacts of science on society.
- The *Geophysical Data Center* (GDC), a computer technology center housed in Room 27 at Monterey Highlands School that is utilized for student research of scientific topics.
- The *Student Science Symposium* (SSS), which serves to connect



students with the scientific community through e-mail.

• *Death Valley National Park and other Earth Science Field Study Trips*, which take ideas learned in the classroom out to the field.

Mr. Jackson's dedication to his students and innovation in the classroom have earned him numerous grants and awards over his 30-year teaching career. In addition, he is currently working in Washington, D.C., on an Albert Einstein Distinguished Educators Fellowship for the National Science Foundation. To find out more about Mr. Jackson's classroom, visit his website at <http://home.earthlink.net/~projectearth>. The LABGS is extremely proud to award John Jackson our Earth Science Teacher of the Year.

—Karla Tucker, LABGS

John Jackson, the LABGS winner, has been chosen as the 2001 Pacific Section AAPG Teacher of the Year for Excellence in the Teaching of Earth Science. Mr. Jackson has an outstanding seventh-grade earth science curriculum at Monterey Highlands School (see above). A fellow educator recommending Mr. Jackson for the Pacific Section AAPG award stated "...John has unfalteringly pushed ahead in science education, and in environmental education and awareness. One needs only to review his achievements to see that he has pursued and presented a rich and multifaceted curriculum to his students."

Thanks to Karla Tucker and LABGS for bringing Mr. Jackson and his achievements to the attention of the Pacific Section.

—Paul Mock, Pacific Section AAPG Youth Activities Chair



CHERYL COOPER

Delta Elementary School, Delta Junction, AK Alaska Geological Society Winner

It is the privilege of the Alaska Geological Society (AGS) to present Cheryl Cooper, a Kindergarten and first-grade teacher at the Delta Elementary School, Delta Junction, Alaska, with the Science Teacher of the Year in Alaska award, sponsored by the Pacific Section AAPG. Cheryl was chosen from a field of candidates that included teachers from grades K through 12 from all over the state of Alaska.

We consider Cheryl to be an exceptional teacher because of the particular curriculum and philosophy she has developed and instituted, which instills an invaluable scientific attitude in children at the very beginning of their education. The children learn to observe, describe, record, classify, and graph attributes of the rocks they collect and share. They learn to break their observations into categories, organize their data, and draw conclusions—fundamental scientific

procedures. Part of the classroom is permanently designated as a science lab where the children don lab coats and explore and investigate.

Cheryl cultivates, reinforces, and launches their curiosity and desire to learn about the world of nature and natural resources at the earliest stage of their educational development, which is likely to have a profound influence on the future attitudes and endeavors of these students. Cheryl's enthusiasm, energy, and leadership are also inspirational to fellow teachers in her school system, and in neighboring remote parts of Alaska.

We truly admire Cheryl's dedication and commitment to follow through with scientific concepts beyond the classroom with every student, their parents, and other teachers.

—Susan Karl, AGS

KIM WIENS
Actis Jr. High School, Bakersfield, CA
San Joaquin Geological Society Winner

Kim Dagan Wiens is the San Joaquin Geological Society 2001 Earth Science Teacher of The Year Award winner. Ms. Wiens is the science teacher at Actis Jr. High School in Bakersfield, California, and has been teaching in the Bakersfield School District for the past 12 years. Having received her B.A. in physiology from the University of California at Berkeley, Ms. Wiens began a career in medical technology at the Scripps Foundation and two other southern California medical clinics. Following this, she went on to earn her teaching credentials at California State University, Bakersfield. She and her family have been living in the Bakersfield area since 1987.

Ms. Wiens was chosen as this year's winner because of her well-rounded, creative earth science program at Actis, and because of the recommendations of her colleagues. Beginning with complete lesson plans on rocks, minerals, and hydrology, seventh-grade students at Actis complete their Earth science semester learning the latest on plate tectonics with sections on volcanism and local and regional earthquake activity. Ms. Wiens has heightened student interest with interesting field trips and Internet research. Her teaching philosophy provides clues for her overwhelming popularity among students and colleagues. She states, "One of the primary goals of teaching science at the middle-school level should be to educate our future voting citizens about the natural world in which they live. Teaching... presents a unique opportunity to make a lasting impression on students..." According to one of her colleagues, "Her curriculum is packed with wonderful hands-on activities that are unique to her

lab technology background and she is the most innovative big thinker on campus. I would say that she is one of the best seventh-grade science teachers in the state..."

Ms. Wiens was presented with the award at the April SJGS meeting. She will use the award to purchase new supplies for her earth science program. Anyone wishing to donate additional supplies may contact Ms. Wiens at kwuens@pbvUSD.k12.ca.us.

—Paul Mock, SJGS



Mark Pahler
Operations Coring Coordinator



INTEQ (Formerly Christensen Coring)

6117 Schirra Court
Bakersfield, California 93313
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Fax: 661-834-2450
Pgr: 661-321-7156
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NEWS FROM THE AFFILIATED GEOLOGICAL SOCIETIES

Alaska Geological Society

www.seclabs.com/ags

P.O. Box 101288
Anchorage, AK 99510

Contact: Monte Mabry
907-265-1653



Luncheon meetings are held on the third Thursday of the month (except July through August) at the Anchorage Hilton (500 W. 3rd Avenue) from 11:30 a.m. to 1:00 p.m. The cost is \$16 (with reservations) or \$20 (without reservations). The upcoming meeting is scheduled for May 17 (see Schedule of Events). For information, contact **Greg Wilson** at 907-263-4748 or gcwilso@ppco.com; for reservations, contact 907-263-4232. Reservations should be made by Monday before the meeting.



Candidates for AGS officers for the 2001-2002 year are: **Greg Wilson** for President-elect, **John Buggenhagen** for Vice President, **Tom Walsh** for Secretary, **Dave Bannon** for Treasurer, **Kirk Sherwood** for Director (Anchorage), and **Dave Le Pain** for Director (Fairbanks).

Coast Geological Society

www.coastgeologicalsociety.org

P.O. Box 3055
Ventura, CA 93006

Contact: Mike Barminski
805-644-3397



Dinner meetings are held on the third Tuesday of the month (except July and August) at the American Legion Hall (83 S. Palm Street) in Ventura. Social hour starts at 6:00 p.m., dinner is served at 7:00 p.m., and the talk starts at 8:00 p.m. The cost of dinner is \$12 (with reservation), \$17 (without reservation), or \$7 (students and K-12 teachers); the talk is free. Upcoming meetings are scheduled for May 22 and June 19 (see Schedule of Events). For information or reservations, contact **Steve Richardson** at richconinc@aol.com or **John Surigao** at 805-653-7975 (voice) or 805-653-7452 (fax); please make reservations by e-mail if possible. Reservations by e-mail should be made by 5:00 p.m. on Thursday before the meeting; reservations by voice or fax should be made by 3:00 p.m. on Friday before the meeting.



The Bureau of Land Management and the Buena Vista Museum of Natural History, in association with the Santa Barbara Botanic Garden, U.S. Forest Service, U.S. Fish and Wildlife Service, Dibblee Foundation, Coast Geological Society, Sunbow Ecology Center, and Los Padres Interpretive Association, are sponsoring a field trip in the Ventura Basin on June 2. The trip considers the way the landscape has changed in response to both geologic and cultural influences. The itinerary includes Channel Islands National Park Visitor's Center, Olivas Adobe, Ventura County Historical Society Museum, Sisar Creek Oil Seeps, California Oil Museum, St. Francis Dam, and Camulos Ranch. The fee is \$10 per vehicle. For reservations, contact **Gregg Wilkerson** of BLM at 661-391-6081.

Los Angeles Basin Geological Society

c/o Don Clarke (City of Long Beach, Dept. of Oil Properties)

211 E. Ocean Blvd., Suite 500
Long Beach, CA 90802

Contact: Don Clarke
562-570-3915



Luncheon meetings are held on the third Thursday of the month at 11:30 a.m. in the Monarch Room at The Grande at Willow Street Centre (4101 E. Willow Street) in Long Beach. Upcoming meetings are scheduled for May 17 and June 21 (see Schedule of Events). The cost is \$17 or \$6 (students). For information or reservations, contact **Vid Duda** at 562-590-5271 or dudav@slc.ca.gov. Reservations should be made by Tuesday before the meeting.

Newsletter Available Online! — The *Pacific Petroleum Geologist Newsletter* is posted on the Pacific Section AAPG website at www.psaapg.org to provide easy and immediate access to PS AAPG news and information. PS AAPG members may access the digital newsletter by using a password, and nonmembers may preview an abbreviated version to elicit interest and new memberships.

Paper copies of the newsletter will continue to be printed and mailed for the coming months. However, because the costs of doing so are significant, the PS AAPG Executive Committee is considering other distribution options. If you have ideas or preferences about this, feel free to share them with any member of the Committee.

May/June 2001 Password: **election**
July/August 2001 Password: **vacation**

NEWS FROM THE AFFILIATED GEOLOGICAL SOCIETIES

Northern California Geological Society

9 Bramblewood Court
Danville, CA 94506-1130

Contact: **Dan Day**
925-294-7530



Evening meetings are held on the last Wednesday of the month (except July and August) at the Masonic Center (9 Altarinda Road) in Orinda. Social hour starts at 6:30 p.m., and the talk starts at 7:00 p.m. (no dinner). The cost is \$5. Upcoming meetings are scheduled for May 30 and June 27 (see Schedule of Events). For meeting reservations, contact **Dan Day** at 925-294-7530 (leave your name on the voice recorder any time before the meeting).



More than 70 NCGS members, friends, and family toured the historical Caldecott Tunnel on March 3. **Caltrans** geologists, engineers, and tunnel staff described the local geology and colorful sixty-year history of the tunnel, including the obstacles, tragedies, and engineering achievements that are part of its lore. NCGS extends its thanks to Caltrans for an outstanding tour and to NCGS members **Jean Moran** and **Phil Reed** for arranging logistics.



On May 19-20 "The Golden B.E.A.R.* Tour 2001" (*Blueschists, Eclogites, Amphibolites, Refreshments) will be led by neotectonics expert, consultant, and beer aficionado **Dr. John Wakabayashi**. This trip will feature the most beautiful metamorphic rocks in California and some of the world's most acclaimed small breweries. The cost is \$60, which includes transportation, food, camping fee, and guidebook. For more information or to register, contact **Tridib Guha** at 925-363-1999 or aars@ccnet.com.

Northwest Energy Association

www.nwenergyassociation.org

P.O. Box 6679
Portland, OR 97228-6679

Contact: **Doug Schwarm**
503-603-6698



Luncheon meetings are usually held on the second Friday of the month (except June through September) at 1:00 p.m. at the Multnomah Athletic Club (1849 S.W. Salmon Street) in Portland. The upcoming meeting is scheduled for May 11 (see Schedule of Events). The cost is \$15. For information or reservations, contact **Shelly Thomas** at 503-848-2947 or **Jack Meyer** at 503-226-4211 ext. 4683.

Sacramento Petroleum Association

P.O. Box 571
Sacramento, CA 95812-0571

Contact: **Jack Smith**
916-322-1110



Luncheon meetings are held on the third or fourth Wednesday of the month at noon at the Hungry Hunter Restaurant (450 Bercut Drive) in Sacramento. Upcoming meetings are scheduled for May 16 and June 20 (see Schedule of Events). The cost is \$15. For information or reservations, contact **Jack Smith** at 916-322-1110.

San Joaquin Geological Society

www.sjgs.com

P.O. Box 1056
Bakersfield, CA 93302

Contact: **Dan Steward**
661-763-2008



Dinner meetings are held on the second Tuesday of the month (except July and August) at the American Legion Hall (2020 H Street) in Bakersfield. The icebreaker starts at 6:00 p.m., dinner is served at 7:00 p.m., and the talk starts at 8:00 p.m. Upcoming meetings are scheduled for May 8 and June 12 (see Schedule of Events). The cost of dinner is \$15 (with reservations) or \$18 (without reservations); the talk is free. For information or reservations, contact **Russ Robinson** at 661-665-6266 or rrobinson@csu.edu.



A field trip to the Coalinga field is scheduled for May 11. Check in at 5:30 a.m. at the California Well Sample Repository for donuts and guidebook. The group will leave at 6:00 a.m. and return at 6:30 p.m. The cost is \$40 (payable onsite). If you would like to attend, contact **Russ Robinson** by May 8 at 661-664-2324.

SCHEDULE OF EVENTS

Pacific Section AAPG & Affiliated Geological Societies May & June 2001

- May 8**
SJGS Monthly Dinner Meeting
Location: American Legion Hall, Bakersfield, CA
Speaker: Les Magoon (USGS)
Title: USGS World Petroleum Assessment 2000
- May 11**
NWEA Monthly Luncheon Meeting
Location: Multnomah Athletic Club, Portland, OR
Speaker: George Taylor (State of Oregon)
Topic: Climate Forecasts
- May 11**
SJGS Field Trip
Location: Coalinga Field
See page 15 for details.
- May 16**
SPA Monthly Luncheon Meeting
Location: Hungry Hunter Restaurant, Sacramento, CA
Speaker: John Schatz (Consultant)
Title: Propellant-Assisted Perforation and Stimulation—A New Approach
- May 17**
AGS Monthly Luncheon Meeting
Location: Anchorage Hilton, Anchorage, AK
Speaker: Tom Homza (BP Exploration (Alaska) Inc.)
Title: A Structural Interpretation of the Fish Creek Slide, Northern Alaska
- May 17**
LABGS Monthly Luncheon Meeting
Location: The Grand at Willow Street Centre, Long Beach, CA
Speaker: Marty Link (Core Petrophysics Inc.)
Title: 3D Visualization of Depositional Systems
- May 19-20**
NCGS Field Trip
Leader: John Wakabayashi (Consultant)
Title: The Golden B.E.A.R*. Tour 2001
* Blueschists, Eclogites, Amphibolites, Refreshments
See page 15 for details.
- May 22**
CGS Monthly Dinner Meeting
Location: American Legion Hall, Ventura, CA
Speakers: Bob Gray and Bill Harz (Santa Barbara City College)
Title: Mammoths of the Northern Channel Islands
- May 30**
NCGS Monthly Luncheon Meeting
Location: Masonic Center, Orinda, CA
Speaker: Dave Mustart (San Francisco State University)
Title: Hydrothermal Pipes in Six Granitic Plutons in California: Evidence for Evolution and Migration of a Magmatic Volatile Phase
- June 2**
BLM Field Trip
Leaders: Gregg Wilkerson (BLM) and others
Title: Geology and Oil Development History of the Ventura Basin
See page 14 for details.
- June 3-6**
AAPG Annual Meeting
Location: Colorado Convention Center, Denver, CO
See www.aapg.org/indexaapg.html for details.
- June 12**
SJGS Monthly Dinner Meeting
Location: American Legion Hall, Bakersfield, CA
Speaker: Harry Angell (Chevron)
Title: Gravity Stripping of the Low Density Monterey Formation and Subsequent Modelling of the Deep San Joaquin Valley
- June 19**
CGS Monthly Dinner Meeting
Location: American Legion Hall, Ventura, CA
Speakers: Gary Peterson (San Diego State University)
Topic: Geology of Mars
- June 20**
SPA Monthly Luncheon Meeting
Location: Hungry Hunter Restaurant, Sacramento, CA
Topic: DOGGR Awards Ceremony for Outstanding Lease Awards to Operators in District 6
- June 21**
LABGS Monthly Luncheon Meeting
Location: The Grand at Willow Street Centre, Long Beach, CA
Speaker: Keith Ehlert
Title: Landslides of the Palos Verdes Peninsula
- June 27**
NCGS Monthly Dinner Meeting
Location: Masonic Center, Orinda, CA
Speaker: Bruce Jaffe (USGS)
Title: Mercury Contaminated Hydraulic Mining Debris in North San Francisco Bay: A Legacy of the Gold Rush
-
- Upcoming Events**
- July 19 • LABGS Monthly Luncheon Meeting
August 16 • LABGS Monthly Luncheon Meeting
September 14-15 • NWEA Symposium (Portland, OR)
September 20-23 • The Mackin Conference (Cedar City, UT)



May 2001



Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8 SJGS Meeting	9	10	11 NWEA Meeting SJGS Field Trip	12
13	14	15	16 SPA Meeting	17 AGS Meeting LABGS Meeting	18	19 NCGS Field Trip
20 NCGS Field Trip	21	22 CGS Meeting	23	24	25	26
27	28	29	30 NCGS Meeting	31		



June 2001



Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2 BLM Field Trip
3 AAPG Annual Meeting	4 AAPG Annual Meeting	5 AAPG Annual Meeting	6 AAPG Annual Meeting	7	8	9
10	11	12 SJGS Meeting	13	14	15	16
17	18	19 CGS Meeting	20 SPA Meeting	21 LABGS Meeting	22	23
24	25	26	27 NCGS Meeting	28	29	30

MEMBER NEWS

New & Reinstated Members

David W. Bieber	<i>GeoCon Consultants, Inc.</i>	El Dorado, Colorado
Marianne Binkin	<i>Aera Energy</i>	Bakersfield, California
Dick Brown		Seal Beach, California
Richard Chandler	<i>Komex-H2O Science Inc.</i>	San Luis Obispo, California
Veronica J. Cline	<i>Chevron USA</i>	Bakersfield, California
Jack H. Durrie		Burbank, California
James Eagan		Bakersfield, California
Terry R. Gednalske	<i>Occidental of Elk Hills</i>	Tupman, California
Russ Gentry	<i>Western Geco</i>	Bakersfield, California
Carl W. Glatz	<i>Halliburton</i>	Bakersfield, California
Mark B. Holland	<i>Output Exploration LLC</i>	Stafford, Texas
Lanny Jones	<i>Halliburton Energy Services</i>	Bakersfield, California
William T. Long	<i>Occidental of Elk Hills</i>	Tupman, California
Edward Marks	<i>Marks and Associates</i>	Cypress, California
J. Dwight Melancon	<i>Western Geco</i>	Bakersfield, California
Paul E. Mooney	<i>Earth Systems Southern California</i>	Ventura, California
Gerald Nichols	<i>Novus Petroleum</i>	Manhattan Beach, California
Arthur R. Paradis	<i>Dynamic Graphics, Inc.</i>	Alameda, California
Jeffrey Rayner		Ventura, California
Michael J. Richey	<i>Texaco</i>	Bakersfield, California
Howard Rough	<i>Schlumberger</i>	Bakersfield, California

In Memory

DOUGALD H. THAMER

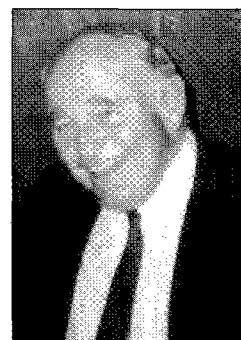
Dougald H. (Doug) Thamer died suddenly on January 6, 2001, from complications due to cancer. He was 71 years old. Doug was a well-known and well-liked member of the California petroleum community.

He grew up in Fullerton, California, and then went to Stanford University, where he received his bachelor's degree in geology and later an MBA from the Stanford Business School. While at Stanford, he excelled in athletics and was a member of the 1952 football team that went to the Rose Bowl. Doug was big man for his time and played center and linebacker, being one of the largest men on the team at 6'5" and 235 pounds.

Early in his career, he was a field geologist for Texaco. After receiving his MBA, he joined Buttes Oil and Gas, where he became Executive Vice President. Later in his career, he founded Mission Resources, a prominent independent oil and gas producing company, where he served as President. In recent years, he had been a consultant in the Rocky Mountains; more recently he had lived in Bakersfield, where he founded Temblor Petroleum Company LLC and was President and managing member.

Doug was a prominent member of AAPG; he served on the Advisory Council and as Chairman of the Division of Professional Affairs, for which he received a Distinguished Service Award. He was also a member of the Society of Independent Professional Earth Scientists (SIPES).

Doug will be sorely missed by his many friends and associates, who will always remember him as a most gracious, considerate, and generous man, and a consummate friend and companion. Doug is survived by two sons, James and Peter of Seaside, California, and a daughter, Sarah Hallford, of Sacramento, California.



—George Witter

THOMAS A. MAZZA

The professional community recently lost a gifted geophysicist, and we all lost a dear friend. Thomas A. Mazza, Senior Vice President of DDD Energy, Inc. (a subsidiary of Seitel, Inc.), died in a skiing accident on Saturday, March 10, 2001.

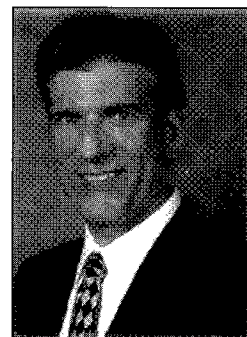
Tom graduated from Penn State University with a B.S. in Geology in 1979 and an M.S. in Geophysics in 1982. Tom began his career with Tenneco in the Rocky Mountain Region (Denver), and moved to International Exploration (Houston) in 1987. In January of 1989, Tom joined Marathon Oil at the Denver Research Center, where he pioneered the use of seismic attributes and visualization techniques for exploration, provided corporate training in seismic stratigraphy, and tremendously advanced the understanding of the Brae Field Complex, North Sea. Tom was one of the first to embrace and apply total data integration in a digital world.

Tom left Marathon in late 1993 for a brief stint with Enron Oil & Gas Company, then became Geophysical Manager, and later Exploration Manager, with Presidio Oil. He joined DDD Energy as Manager of Geophysics in mid 1996. At DDD, Tom helped develop a very successful company by merging the science of 3-D seismic interpretation with the business of exploration geology, and advanced quickly to the position of Senior Vice President. Tom was a member of SEG, AAPG, and DGS.

Tom was a devoted husband and father, and is survived by his wife Peggy, and daughters Alyson, 14, and Danielle, 11. Tom brought vision, energy, integrity, and a larger-than-life smile to everything he did and everyone he touched. He will be greatly missed.

Donations may be sent to the Thomas A. Mazza Memorial Trust Fund to benefit the children, in care of Wells Fargo Bank, N.A., 2350 East Arapahoe Road, Littleton, CO 80122.

—Scott Tinker, Jeff May, and Grace Ford



AAPG Needs More Volunteer Mentors

It has been widely recognized that there is a growing need for mentors within our industry. Few companies today emphasize mentoring within their organization. As a result, new employees often enter the work environment with a sound understanding of geology and geophysics, and strong computer skills, but have had little, if any, exposure to the art of prospecting.

In order to address this need and, at the same time, make AAPG more attractive to student members, the AAPG Membership Committee developed a Mentoring Program for AAPG, which was announced in conjunction with the 1999 San Antonio Annual Meeting.

Subsequently, in recognition of the importance of this program to the future viability of the Association, and the industry as a whole, Past AAPG President Ray Thomasson formed a new standing AAPG Committee to administer the program. Steve Sonnenberg, Past President of the DPA, was named as chair of the committee, and Bob Shoup, past membership committee chair, will serve as vice chair.

In the last few months, AAPG has seen a tremendous increase in the number of students requesting mentors. So much so, that the Mentor Committee urgently is seeking more individuals willing to serve as mentors.

As a mentor, you can make a big difference in the career of a young geoscientist. We ask each mentor to work with the student to find a mutually agreeable arrangement. Some mentors meet with their

protégé year round, occasionally having them in the office or taking them out to lunch or dinner. Others sponsor them for membership in their local society, and take them to the society functions. Still others communicate almost wholly by e-mail. As you can see, the program is quite flexible.

The AAPG Mentoring Program is intended to provide a vehicle for passing exploration, operations, and/or development skills from experienced senior geologists to students, inexperienced, unemployed, and/or underemployed geologists.

The goals of the program are to:

- Expose students to the techniques of applying the science of geology to petroleum exploration and field development, energy minerals, and environmental geology.
- Provide students with information on professional opportunities in petroleum, energy minerals, and environmental geology.
- Give students and young geologists an opportunity to interact with practicing experienced geologists.
- Counsel displaced underemployed and inexperienced geologists in career opportunities and development.

If you would like to sign up to be a mentor, it is easy. Just send an e-mail to Vickie Beighle at AAPG (vbeighle@aapg.org) and ask her to sign you up. Or, if you prefer, give her a call at 888-945-2274 ext. 615.

—Bob Shoup, AAPG Mentoring Committee

LORETTA IRENE ESCOBOSA DIBBLEE

August 18, 1909 – March 12, 2001

A Memorial Tribute by Helmut Ehrenspeck and Dibblee Hoyt

Devoted wife of Tom Dibblee, beloved aunt, and a lady cherished by many, Loretta Dibblee, 91, passed away in a deep sleep at St. Francis Hospital in Santa Barbara, following a stroke the previous week.

Loretta was born in 1909 in Santa Maria, and her father was a musician who, sometime after her younger sister Helen was born, returned to Mexico. Her mother Belle remarried, to an architect named Spangler and the family moved to San Francisco. At the onset of WWII, Loretta, along with her mother and sister, moved to Santa Ana, where she worked as a civilian for the Air Force, purchasing parts for B-17s and B-25s. At war's end she moved to Bakersfield and there became secretary for the Exploration Department of Richfield Oil Corporation, reporting directly to chief geologist Mason L. Hill.

It was there that Loretta met the somewhat shy but already celebrated young field geologist, Thomas Dibblee, Jr., as he would check in on a weekly basis with his boss, Mason Hill. They became friends and after a few years were married on November 22, 1949. They remained in Bakersfield until 1952, when Tom was offered a position to become part of a U.S. Geological Survey (USGS) team in Claremont, to map the western and later the central Mojave Desert. They lived in Claremont until that project was completed in 1959 and the USGS office was closed. After they moved to be near the USGS headquarters at Menlo Park, Tom continued his prodigious geologic mapping of vast parts of California until 1978. During those years, Tom would often be away from home for weeks or months at a time. Occasionally Loretta got to stay with him at a motel near his field location, where she and the other geologists' wives could keep each other company while the men geologized.

Loretta enjoyed many friends and activities in the Bay Area. She volunteered at Stanford Medical Center, was active in the Friends of the Library, and regularly swam at Jane's Swim Club in Menlo Park, until they bought a house with its own pool. Loretta cherished their years at Menlo Park as some of her happiest memories.



Tom and Loretta at their wedding in 1949.



Loretta and Tom at Santa Barbara Fiesta in 2000.

Loretta and Tom enjoyed several trips abroad. In 1960 they took an adventure-filled (hair-raising) driving tour of Mexico with another couple, and in 1967 and again in 1969 they visited England, France, Switzerland, and Germany. While Tom always kept an eye on the local geology, Loretta would make sure they got to see the many historical and cultural treasures there.

In 1978, after Tom retired from the USGS as a renowned field geologist, they moved back to his hometown of Santa Barbara and bought a house just a few blocks from the Old Mission and a short drive to his family's Rancho San Julian near Lompoc. Tom quickly became immersed in research at U.C. Santa Barbara and as a volunteer field geologist for the Los Padres National Forest, while Loretta became active in a number of local service organizations. Because of Tom's lifelong hearing loss, Loretta kept skillful track of all their schedules and engagements, enabling him to concentrate on his geologic work, which after 1983 also included the Dibblee Geological Foundation.

Loretta gladly accompanied Tom on two trips to Washington, D.C. On their first trip in 1967, Tom received the Distinguished Service Award from the Department of Interior for his solo mapping of much of the Mojave Desert. In 1983 they returned to see Tom given the Presidential Action Volunteer Award from President Reagan. Of 2000 candidates only 20 finalists, among them Tom, were selected. For years afterward, Loretta would reminisce about the regal dinner they enjoyed at the White House.

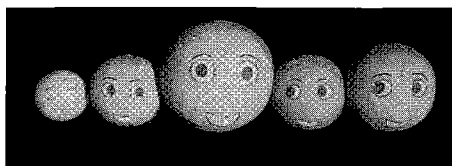
Over the years, Loretta witnessed many other awards and honors bestowed on Tom. Though very proud of her husband's accomplishments, Loretta never boasted. She enjoyed Tom's many geologist friends and hosted them like family. She devoted her life to being his supportive and gracious partner, and all who met her were charmed and touched by her warmth, hospitality, and humor—Loretta always had something to chuckle about. She was a perfect balance to Tom's quiet and shy nature.

Tom had his own ways of showing his good humor and devotion to Loretta: Whenever he

found a dried gourd, round stone, or ping-pong ball, he would draw and paint upon it, in loving detail, a big-eyed, smiling likeness of Loretta. Dozens of "Loretta's" now smile from all corners of the house and yard, a sign of his lasting devotion. On her birthdays or other occasions, Tom would make her a charming, hand-drawn cartoon card, sent to her from "Ges hoo."

Dogs played an important part in their fifty years together and Loretta always had one or more, mainly Dachshunds. Just as Tom can recall every rock outcrop he's ever seen, Loretta could recount, in hilarious detail, everything about their beloved and mischievous pets. Loretta also took in the occasional stray cat which, with her warmth and compassion, she would befriend and tame.

In Santa Barbara, Tom and Loretta belonged to the S.B. Corral of the



"Loretta's", round objects affectionately painted with Loretta's likeness by Tom.

Westerners, the S.B. Historical Society, and several other local organizations. She loved to cook, took classes in foreign cuisines, and became renowned for some of her dishes, especially her tamale pie. Loretta was also very supportive of charities and for years volunteered for the Family Service Agency, where she would make daily calls to check on the housebound elderly.

Loretta is survived by her beloved husband, Tom, and several cousins, nieces, and nephews. All of them feel their lives

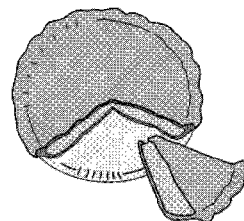
have been tremendously enriched as they fondly remember sweet and lively Loretta.

Contributions may be made in her name to the St. Francis Hospital Foundation in Santa Barbara or to the Dibblee Geological Foundation, P.O. Box 60560, Santa Barbara, California, 93160.

—Editor's note: Many thanks to Helmut Ehrenspeck (Dibblee Geological Foundation) and Dibblee Hoyt (Tom Dibblee's nephew) for providing this tribute. Although Loretta Dibblee was not an official member of Pacific Section AAPG, she was instrumental in supporting the geological career of one of our most revered members. She will be long remembered and missed by many who considered her to be a defacto member of our organization.

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Edited by Tom Wright and Bob Yeats

- Includes three road logs for the Eastern Santa Monica Mountains, San Fernando Valley, and East Ventura Basin
- Includes two separate plates on the San Gabriel Fault southeast of Bouquet Junction as well as the Santa Susana Fault zone and vicinity
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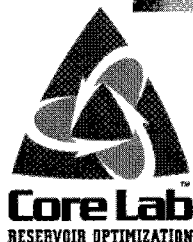
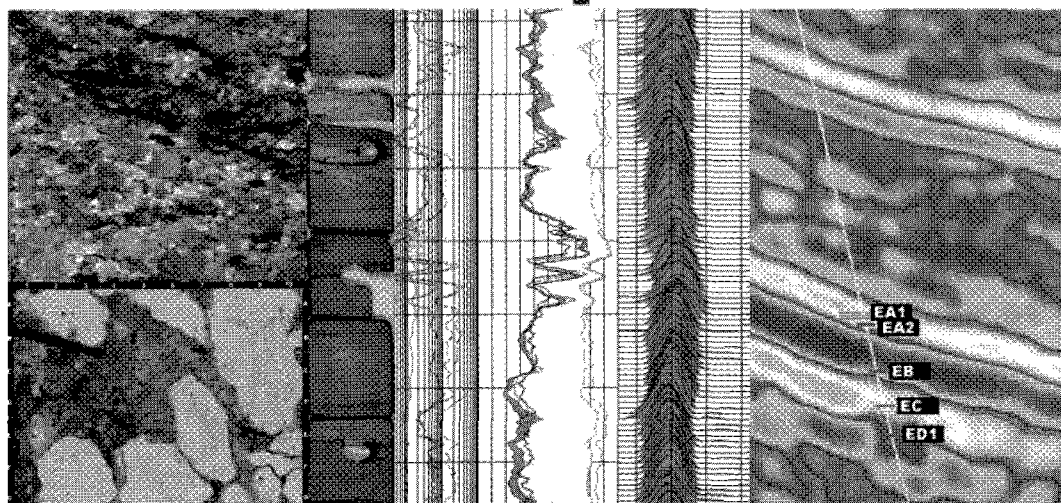
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CCGO Founder Appointed to State Mining and Geology Board

Governor Gray Davis has named several members and the chair to the California State Mining and Geology Board, which serves as a regulatory, policy, and appeals body representing the State's interests in geology, geologic and seismologic hazards, conservation of mineral resources, and reclamation of lands following surface mining activities. Among the Board's new members is California Council of Geoscience Organizations (CCGO) founder **Robert E. Tepel**, who helped with the mission, vision, incorporation, and strategic plan that have led CCGO to its current status as California's largest association of geoscientists. Pacific Section AAPG member **Donna Thompson**, who chairs our Legislation & Public Affairs Committee, has also been appointed to the Board.

For more information about the Board, visit its web site at www.consrv.ca.gov/smgb/. For more information about CCGO, visit its web site at www.ccco.org or contact CCGO President **Jim Jacobs** at AugerPro@jps.net or (510) 232-2728.



New CCGO Representative

The Pacific Section AAPG's new representative to the California Council of Geoscience Organizations (CCGO) is **Rick Blake**. Rick has a long history of involvement with the Pacific Section AAPG and his professional experience includes 9 years conducting groundwater remediation and environmental restoration projects at Lawrence Livermore National Laboratory and over 20 years exploring for oil and gas reserves in California. Rick is also a California Registered Geologist and he received an M.Sc. in geology from California State University, Los Angeles. In March, Rick participated in a CCGO-sponsored event in Sacramento, where he met with Jim Davis, the State Geologist, Pat Sweeney, Executive officer for the State Board of Registration for Geologists and Geophysicists, and several legislators at the State Capitol. During the day, the participants discussed the CDMG Seismic Hazard Zone Mapping Program and its future funding, proposed changes to the Geologists and Geophysicists Act (Senate Bill 136), and other public policy issues relating to geology.

Rick takes over for **John Karachewski**, who served as our representative for the past two years. The Pacific Section AAPG extends its gratitude to John for his service and welcomes Rick as a new CCGO board member. Rick looks forward to serving as the Pacific Section AAPG representative to CCGO and hearing from members regarding their interests and issues of concern. Rick can be reached at Lawrence Livermore National Laboratory, 7000 East Avenue, L-530, Livermore, CA 94588, Phone (925) 422-9910 or via e-mail at blake2@llnl.gov.




Advanced Placement Geology Course How We Can Help

As we reported in our January/February issue, there is a grassroots effort by earth science educators to establish an Advanced Placement (AP) course in geology. Educators across the country agree that the establishment of an AP Geology course (which must first be approved and then written by the College Board) would be an effective way to increase the exposure of high school students to the earth sciences and encourage students to consider careers in the earth sciences.

The College Board's long-awaited survey to determine the level of interest in an AP Geology course is now available on the Board's web site at www.collegeboard.org/ap/newssubjects/geology.html. The AP Geology course is the only science course among nine courses currently under review by the Board. The Board requires a clear demonstration of interest in the course from the K-12 community in order to proceed to the next step, so it is critical that our local educators are aware of the survey.

We can help with this effort by informing local teachers about this initiative, encouraging them to complete and submit the survey, and asking that they spread the word to their colleagues. If each of us informs at least one teacher, we can make a significant contribution!



Origin of the 42-gallon Oil Barrel

In 1866, oil producers in western Pennsylvania, center of the emerging industry, agreed to sell their product by the gallon instead of random-size barrels. They decreed that "an allowance of two gallons will be made on the gauge of each and every 40 gallons in favor of the buyer." The Petroleum Producers Association adopted the 42-gallon barrel in 1872. (*Source: April 2001 National Geographic*)



Organic Petrology Meeting & Grants

The Society for Organic Petrology (TSOP), an AAPG Associated Society, will convene its 18th Annual Meeting in Houston, Texas, September 23-26, 2001. In addition to technical sessions, there will be a pre-meeting short course and a post-meeting field trip. Extended abstracts are due June 1, 2001. For information, contact **Coleman Robison** by mail (Texaco Group, Inc., E&P Technology Div., 3901 Briarpark Drive, Houston, TX 77042), telephone (713-432-6828), fax (713-838-4628), or e-mail (robiscr@texaco.com), or see the TSOP web site at www.tsop.org.

TSOP also sponsors an annual *Student Grants Program* to support graduate thesis research in organic petrology. Detailed information and an application form are available on the TSOP web site (www.tsop.org) or from **S. J. Russell** by mail (Shell E & P Technology Co., Bellaire Technology Center, 3737 Bellaire Blvd., Houston, TX 77025), telephone (713-245-7603), fax (713-245-7599), or e-mail (srussell@shellus.com).

**Deadline for the
July/August issue:
June 15, 2001**

Visit the Pacific Section AAPG
website:
www.psaapg.org

The *Pacific Petroleum Geologist Newsletter* is published bimonthly by the Pacific Section of the American Association of Petroleum Geologists.

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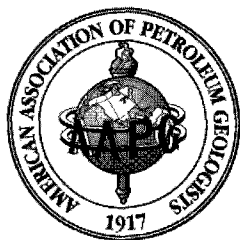
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Pacific Section
American Association of Petroleum Geologists

July & August 2001 No.4

MESSAGES FROM THE OUTGOING & INCOMING PRESIDENTS

Our outstanding newsletter editor and MMS geologist, Cathie Dunkel, has allowed me a little space to say "thank you for the great year." I have had a wonderful time this past year as President. We have a great organization and people. Thank you for allowing me the opportunity to serve you.

I cannot leave office however, without asking one more thing of you. **Marlon Downey**, the outgoing AAPG National President, has made a \$100 contribution to the Pacific Section AAPG Foundation. Since Marlon (who is from Texas) contributed \$100 to the Pacific Section Foundation, I challenge you to at least match his contribution. I promise to let Marlon and the incoming National President, **Robbie Gries**, know who steps up to this challenge (maybe we can make contributing to the Pacific Section Foundation a tradition with the National Presidents!).

The Pacific Section Foundation enables us, in the Pacific Section, to provide more educational opportunities to geoscientists, teachers, and students. Join me and drop a check in the mail for \$100 made out to "Pacific Section AAPG Foundation." You can mail it to:

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P.O. Box 1072
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And now, I leave you in the very capable hands of **Allen Britton**, your new Pacific Section President.

—*Kay Pitts*
2000-2001 President, Pacific Section AAPG

I would like to start off my term as President by thanking all those who have come before me for putting in place, and maintaining I might add, a well-oiled machine to guide our Pacific Section of the AAPG. The amount of work that goes into keeping an organization of our size functioning is truly amazing, yet that work gets done quietly, effectively, and often without the recognition it so richly deserves.

I'd first like to thank **Kay Pitts** for the outstanding job she did as President this last year. Many don't realize it, but Kay also acted as our finance chair for the recent convention at Universal City, and her work on keeping expenses in line has resulted in our section being successful financially, something any incoming President appreciates. **Cynthia Huggins** was our Vice-President this past year, and her work with community relations helped keep our section's name in the forefront. **George Stewart** did a fine job as Secretary of the section. **Harold Syms** kept the books for us as Treasurer, and he will repeat in the same capacity once again this year. **Terry Thompson** gave valuable insight and continuity as Past-President.

With the recent election results now official, I'd like to welcome our new incoming officers for the 2001-2002 year. **Tom Hopps** has been selected President-Elect, **Bill Long** as Vice-President, and **Steve Sanford** as Secretary. **Kay Pitts** moves over to the Past President slot and **Harold Syms** returns as Treasurer. **Cathie Dunkel** continues as our Newsletter Editor; her fresh approach to its contents has been appreciated by all, especially the old, tired editor she replaced last year.

Finally, thanks, kudos, and accolades abound for our other committee chairpersons: **Larry Knauer**, who is in charge of publications; **Mark Wilson**, who oversaw the recent membership directory and heads the Pacific Section Foundation; **Bob Countryman**, who not only serves as a section delegate, but also maintains our membership database; **Muriel Norton**, who has put in long hours as our finance chairperson; **Bob Lindblom**, who chairs the honors and awards committee; **Donna Thompson**, who keeps us well advised on legislation and public affair issues; **Paul Mock**, who handles our youth activities; **Don Lewis**, who oversees the national advisory council; and last, but not least, Past-President **Mel Erskine**, who is acting as our liaison on the 2001 field conference in Utah.

As you can see, we have a diverse and talented group of individuals that help get things done for our section. I encourage you to give them a word of thanks the next time you run into them.

—*Allen Britton*
2001-2002 President, Pacific Section AAPG

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New Pacific Section AAPG Publication

GEOCHEMISTRY OF CALIFORNIA'S MAIN HYDROCARBON-PRODUCING BASINS

(This data was previously available only to subscribers of these studies.)

CD-ROM Series 1

Our first publication of geologic material on a CD-ROM is a collection of papers about the oil, gas, and source-rock investigations carried out in the San Joaquin, Santa Maria, Santa Barbara, Ventura, and Los Angeles basins in California. This collection of papers was written in the mid-to-late 1980s and in 1997 by staff members of Global Geochemistry Corporation. Dr. Ian R. Kaplan, professor of geochemistry at UCLA, headed the corporation. This CD includes ten chapters, each representing a different report. There are 4,600 pages of material.

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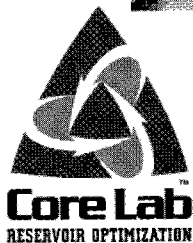
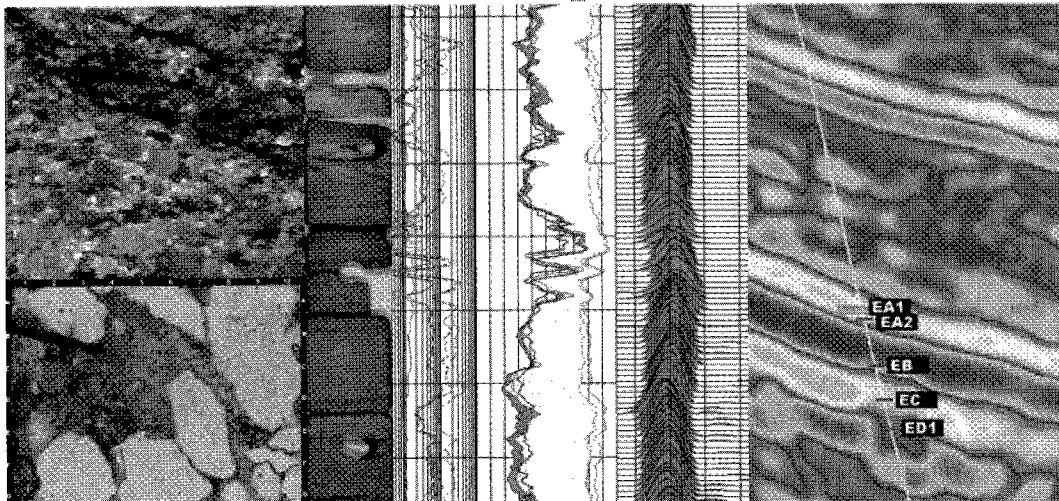
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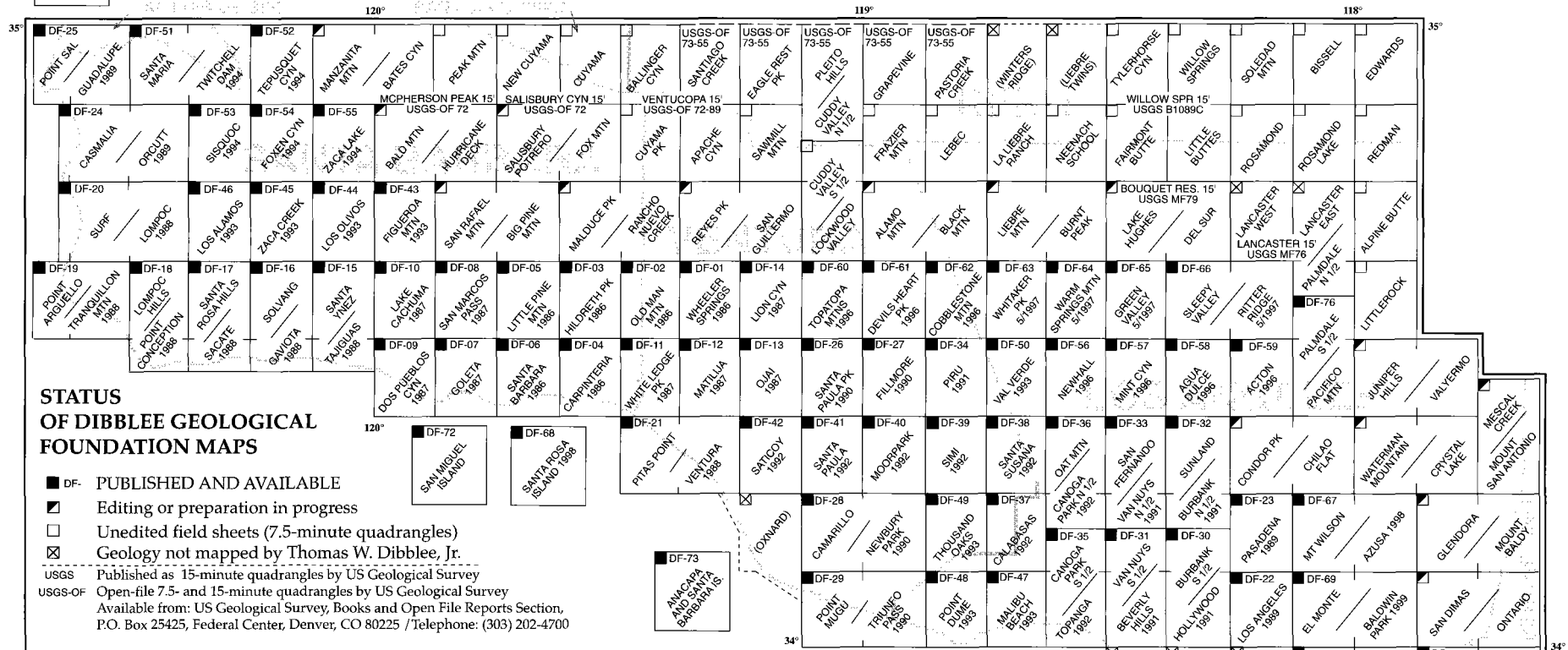


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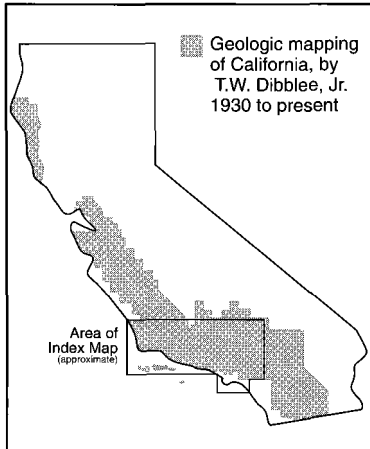
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Geology mapped on 7.5-minute, 1:24,000-scale USGS topographic quadrangles, except as indicated



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 - USGS-OF Published as 15-minute quadrangles by US Geological Survey
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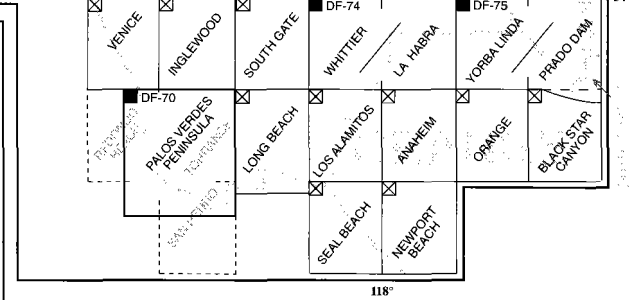
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NEWS FROM THE AFFILIATED GEOLOGICAL SOCIETIES

Alaska Geological Society

www.alaskageology.org

P.O. Box 101288
Anchorage, AK 99510

Contact: *Monte Mabry*
907-265-1653



Luncheon meetings are held on the third Thursday of the month (except July and August) at the Anchorage Hilton (500 W. 3rd Avenue) from 11:30 a.m. to 1:00 p.m. The cost is \$16 (with reservations) or \$20 (without reservations). The next meeting is scheduled for September. For information, contact **Greg Wilson** at 907-263-4748 or gcwilso@ppco.com; for reservations, contact 907-263-4232. Reservations should be made by Monday before the meeting.



AGS officers for the 2001-2002 year are **Gerry Vankooten** (President), **John Buggenhagen** (Vice President), **Tom Walsh** (Secretary), **Dave Bannon** (Treasurer). New Directors are **Kirk Sherwood** (Anchorage) and **Dave Le Pain** (Fairbanks).



AGS has a new website, www.alaskageology.org, and a new webmaster, **Tom Plawman**. Many thanks to the retiring webmaster, **Peter Johnson**.

Coast Geological Society

www.coastgeologicalsociety.org

P.O. Box 3055
Ventura, CA 93006

Contact: *Mike Barminski*
805-644-3397



Dinner meetings are held on the third Tuesday of the month (except July and August) at the American Legion Hall (83 S. Palm Street) in Ventura. Social hour starts at 6:00 p.m., dinner is served at 7:00 p.m., and the talk starts at 8:00 p.m. The cost of dinner is \$12 (with reservation), \$17 (without reservation), or \$7 (students and K-12 teachers); the talk is free. The next meeting is scheduled for September. For information or reservations, contact **Steve Richardson** at richconinc@aol.com or **John Surigao** at 805-653-7975 (voice) or 805-653-7452 (fax); please make reservations by e-mail if possible. Reservations by e-mail should be made by 5:00 p.m. on Thursday before the meeting; reservations by voice or fax should be made by 3:00 p.m. on Friday before the meeting.



CGS officers for the 2001-2002 year are **Bob Orlando** (President), **Larry Gurrola** (Vice President), **Scott Simmons** (Secretary), and **Phil Kinney** (Treasurer). They will take office in October.



CGS recently announced its Teacher-of-the-Year Award winner and awarded scholarships to students from several local colleges and universities. See page 11 for details.

Los Angeles Basin Geological Society

c/o Don Clarke (City of Long Beach, Dept. of Oil Properties)

211 E. Ocean Blvd., Suite 500
Long Beach, CA 90802

Contact: *Don Clarke*
562-570-3915



Luncheon meetings are held on the third Thursday of the month (except July and August) at 11:30 a.m. in the Monarch Room at The Grande at Willow Street Centre (4101 E. Willow Street) in Long Beach. The next meeting is scheduled for September. The cost is \$17 or \$6 (students). For information or reservations, contact **Vid Duda** at 562-590-5271 or dudav@slc.ca.gov. Reservations should be made by Tuesday before the meeting.



Officers for the 2001-2002 term are **Dalton Lockman** (President), **Barry Dalkey** (Vice President), **Michael Mills** (Secretary), and **Kristy Darby** (Treasurer). LABGS members extend a fond farewell and sincere thanks to **Don Clarke**, who served as LABGS President for the last three years and was instrumental in revitalizing the society.



The Center for Los Angeles Basin Subsurface Geology at California State University, Long Beach, is officially open for business. **Stan Finney** and **Dan Francis** of CSULB hosted the grand-opening ceremonies on May 29. Although the center is ready for use, money and data are still needed to help support it; if you can help, please contact Stan Finney at 562-985-8637 or Dan Francis at 562-985-4929.

NEWS FROM THE AFFILIATED GEOLOGICAL SOCIETIES

Northern California Geological Society

9 Bramblewood Court
Danville, CA 94506-1130

Contact: Dan Day
925-294-7530



Evening meetings are held on the last Wednesday of the month (except July and August) at the Masonic Center (9 Altarinda Road) in Orinda. Social hour starts at 6:30 p.m., and the talk starts at 7:00 p.m. (no dinner). The cost is \$5. The next meeting is scheduled for September. For meeting reservations, contact **Dan Day** at 925-294-7530 (leave your name on the voice recorder any time before the meeting).



During the May 19-20 Golden B.E.A.R. Tour 2001, about 30 participants sampled Blueschists, Eclogites, Amphibolites, and Refreshments (brewpubs) in the Franciscan Complex of central California. Thanks to **John Wakabayashi**, who led the trip.

Northwest Energy Association

www.nwenergyassociation.org

P.O. Box 6679
Portland, OR 97228-6679

Contact: Doug Schwarm
503-603-6698



Luncheon meetings are usually held on the second Friday of the month (except June through September) at 1:00 p.m. at the Multnomah Athletic Club (1849 S.W. Salmon Street) in Portland. The next meeting is scheduled for October. The cost is \$15. For information or reservations, contact **Shelly Thomas** at 503-848-2947 or **Jack Meyer** at 503-226-4211 ext. 4683.



Candidates for the 2001-2002 Officers and Board of Directors are **Jack Meyer** (President), **Jim Jackson** (Vice President), **Doug Schwarm** (Treasurer), **Melanie Harmon** (Secretary); candidates for the Board of Directors are **Barb Portwood**, **John Jones**, and **George Sharp**.

Sacramento Petroleum Association

P.O. Box 571
Sacramento, CA 95812-0571

Contact: Jack Smith
916-322-1110



Luncheon meetings are held on the third or fourth Wednesday of the month at noon at the Hungry Hunter Restaurant (450 Bercut Drive) in Sacramento. The cost is \$15. For information or reservations, contact **Jack Smith** at 916-322-1110.



SPA is seeking candidates for President, Secretary, and Treasurer in 2002. If you are interested or want to nominate someone, contact **Jack Smith** or **Pam Ceccarelli** at 916-322-1110. The election will be held in September, and the new term will begin in January 2002.

San Joaquin Geological Society

www.sjgs.com

P.O. Box 1056
Bakersfield, CA 93302

Contact: Dan Steward
661-763-2008



Dinner meetings are held on the second Tuesday of the month (except July and August) at the American Legion Hall (2020 H Street) in Bakersfield. The icebreaker starts at 6:00 p.m., dinner is served at 7:00 p.m., and the talk starts at 8:00 p.m. The next meeting is scheduled for September. The cost of dinner is \$15 (with reservations) or \$18 (without reservations); the talk is free. For information or reservations, contact **Russ Robinson** at 661-665-6266 or rrobinson@csub.edu.



SJGS officers for the 2001-2002 year are **Allen Waggoner** (President), **Jaime Roig** (President-Elect), **Cynthia Huggins** (Vice President), **Mike Richey** (Secretary), **Karen Whittlesey** (Treasurer), and **Dan Steward** (Past President); they will take office on July 1. SJGS's alternate delegate to the AAPG House of Delegates, **Mark Wilson**, will take over for delegate **Tony Reid**, who is transferring to Houston.

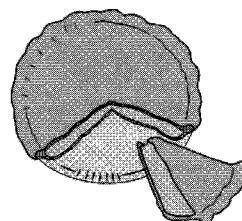
SCHEDULE OF EVENTS

Most of the Pacific Section AAPG's societies do not hold meetings during July and August (to allow for summer fun and fieldwork!), so there are very few events to report and our calendar is virtually empty. Not to fear... our full coverage of events will return in the September/October issue. For advance planners and event-hungry members, here is a partial list of some upcoming events to look forward to:

- | | |
|-----------------|--|
| July | • Fun & Fieldwork |
| August | • Fun & Fieldwork |
| September 14-15 | • NWEA Symposium (Portland, OR) |
| September 20 | • LABGS Monthly Luncheon Meeting |
| September 20-23 | • The Mackin Conference (Cedar City, UT) |
| October 18 | • LABGS Monthly Luncheon Meeting |

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Newsletter Available Online! — The *Pacific Petroleum Geologist Newsletter* is posted on the Pacific Section AAPG website at www.psaapg.org to provide easy and immediate access to PS AAPG news and information. PS AAPG members may access the digital newsletter by using a password, and nonmembers may preview an abbreviated version to elicit interest and new memberships.

Paper copies of the newsletter will continue to be printed and mailed for the coming months. However, because the costs of doing so are significant, the PS AAPG Executive Committee is considering other distribution options. If you have ideas or preferences about this, feel free to share them with any member of the Committee.

July/August Password: **vacation**
September/October Password: **barbeque**

MEMBER NEWS

New & Reinstated Members

Rob Fairman	<i>Aera Energy</i>	Bakersfield, California
Bob D. Lattanzi		Thousand Oaks, California
Norman Stone	<i>Chevron Corp.</i>	Bakersfield, California
John E. Warme	<i>Colorado School of Mines</i>	Evergreen, Colorado
Paul L. H. Worley	<i>Ivanhoe Energy</i>	Bakersfield, California

In Memory

GLENN CHARLES FERGUSON

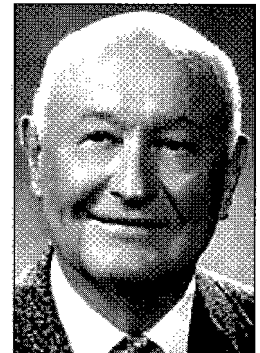
Glenn Ferguson was born on January 23, 1906, in a farmhouse between Grenola and Cedarvale, Kansas. He passed away on June 16, 2001, in Bakersfield, California. Glenn and his family moved to Pomona, California, from Kansas in 1911 and, within a few months, they passed through Bakersfield in a train of three wagons on their way to farm near Lindsay. After several more moves through Chino, Borrego Valley, and Pomona, the family finally settled on a homestead by the Salton Sea in the Imperial Valley in 1916.

Glenn attended school in the nearest town, Calipatria, which was five miles away by horseback. He graduated from Calipatria High School in 1924 and went on to work his way through college at the University of Southern California, graduating in 1929 with a B.A. in Geology. His first job after college was with Pacific Western Oil Company doing sedimentary and paleontological studies and subsurface correlations. He returned to advanced studies at USC in 1930 and, in 1932, he received his M.A. in Geology and his teaching credential from the State of California. He next began employment with Union Oil Company and was transferred to Bakersfield in 1935. His duties were as a stratigrapher and specialist in subsurface geology, as well as a micropaleontologist for the Los Angeles Basin and the San Joaquin and Sacramento Valleys.

In 1944, Glenn left the employ of Union Oil and formed the partnership of Ferguson and Bosworth with his high school friend, Irwin Bosworth. As in most oil exploration partnerships, Glenn originated the geological ideas and Irwin leased the acreage. The partnership made its first big strike in July 1950 with the discovery of the McDonald Anticline field in western Kern County. The success of that discovery led to further exploration efforts with numerous discoveries of oil and gas fields in California, Nevada, Colorado, Wyoming, Michigan, Ohio, Louisiana, and Texas. Ferguson and Bosworth existed for over 40 years until shortly after Irwin's death in 1986.

Glenn continued his exploration efforts under the name of Ferguson Energy, as well as several subsidiary partnerships. With business success came the desire on Glenn's part to become active in the affairs of industry organizations. His activism on behalf of California's independent oil community was a tribute to the depth of his commitment to the industry. He sought to advance the industry's interests at the local, state, and national level through service in key positions, such as president of the San Joaquin Valley Oil and Gas Producers Association. That organization merged in 1976 to become the California Independent Producers Association, and Glenn was named the first Chairman of the Board. The Glenn C. Ferguson Award is presented annually by CIPA to the oilman who has done the most during the year to promote the cause of the independent producer in California. He was also a past president of the Independent Oil and Gas Producers of California, as well as a past vice-president of the Independent Petroleum Association of America, serving on the Executive Committee of that organization. Glenn served as vice-president of the National Stripper Well Association and was a past president of the Bakersfield Petroleum Club. He was also a member of the National Petroleum Council and the United States Congressional Advisory Board of the American Security Council. In his later years, he was presented with an Honorary Life Membership in the Pacific Section American Association of Petroleum Geologists and was elected to the Bakersfield Petroleum Club Hall of Fame. He received Lifetime Achievement Awards from the Independent Oil Producers Agency, the National Stripper Well Association, and the California Independent Producers Association. He was recently honored by the San Joaquin Geological Society for his lifelong contributions to the petroleum industry.

He is survived by a daughter, seven grandchildren, three great grandchildren, many nieces and nephews, and a stepdaughter and stepson. Glenn led a life filled with business and personal achievements of which he was very proud. His vision and wonderful sense of humor will be greatly missed by his family and business associates.



—Excerpted from the *Bakersfield Californian*

MEMORIAL TRIBUTE TO THEODORE OFF

By Helmut Ehrenspeck, Dibblee Geological Foundation, and Doug Off, Ojai Oil Company

Theodore "Ted" Off, 73, passed away in Ventura, California, on May 10, 2001. Ted Off was born January 19, 1928, in Los Angeles. It can be said that he was born into an "oily" background—at Ted's office hangs a large photograph taken 18 years prior to his birth, depicting the Lakeview gusher. Ted's grandfather and 20 or so others are standing in the foreground, some blackened with oil, others with big grins on their faces. It is a photo of the largest blowout ever in the United States, an average of nearly 70,000 barrels per day blown into the air for 544 days, some 350 million gallons of crude sprayed over a hundred square miles, forming a lake. Canyons were quickly dammed, five million barrels were saved, and the price of crude oil dropped from a dollar to 30 cents a barrel. The oil connection did not end there: Ted's father was a major player in the development of the Santa Fe Springs oil field east of Los Angeles.

Ted attended University Prep School, Emerson Junior High School, and University High School. A gifted and natural student, Ted began at Stanford University in 1946, starting out as an aeronautical engineering student; but under Ben Page, A.I. Levorsen, and Conny Krauskopf he soon found oily sedimentary rocks far more interesting. He got thorough field training with the famous Stanford Geological Survey (which included mapping in what is now the Irvine Ranch area of Orange County), received his B.S. in 1950 and an M.S. in Geology in 1952, was a member of Beta Theta Pi, editor of "The Quad" (the student yearbook), and lettered in track.

Upon graduation, Ted was working for Union Oil Company when the Korean War started. Heeding the call of service, he quickly married his college sweetheart, Mary Ann Green, enlisted in the Navy, was schooled at the Naval Academy at Monterey, and served for two years on a troop landing ship (LST) as lieutenant junior grade in Japan and Korea.

After his military service, Ted was working for Shell Oil Company on Ventura Avenue until, armed with a G. I. Bill, he decided to pursue his doctorate at Princeton University after the birth of their first child, Thad, in 1954. Although the education was great, the funding soon dried up, so Ted and family left Princeton and returned to the West Coast, settling in Ventura. In 1956, he and Mary Ann were blessed with their second child, Tracy.

Meanwhile the family business, Ojai Oil Company, had put together a wildcat play on its patented placer claim on South Mountain, and the "other half" of the South Mountain field, which Texaco had missed, was discovered. Suddenly the money was rolling in, and the Company decided it needed a good exploration geologist. And so, after several years of working for others, Ted joined the family business in the mid-1950s, advancing to President and Company Manager by 1968.

Ted recalled his first out-of-state project, a wildcat in central Texas that the Company's board of Directors had decided to invest in. The well was scheduled for a depth of about 5,000 feet, and

when Ted flew out to check the progress, he arrived at the drill site just in time to see granite fragments flowing over the mud screen at 2,000 feet. Since then, Ojai Oil Company has had other exploration failures, but also enough successes, including a well Ted drilled in the upper Ojai Valley in 1981, to remain solvent.

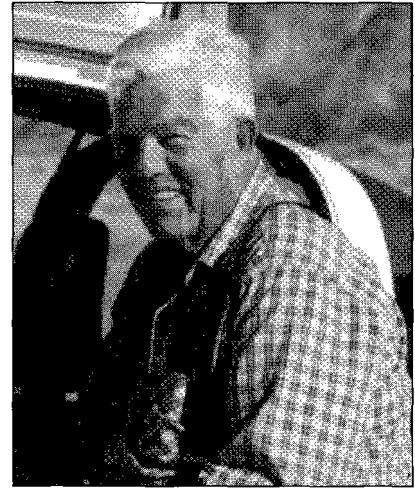
As a young exploration geologist still fresh from the Stanford Geological Survey, Ted did his own field mapping in the Puente Hills east of Los Angeles. When he later saw the 1960s-published USGS maps of the area, he was really dismayed at his own abilities. "I couldn't believe I missed all those faults they showed." However, soon after, Ted also saw unpublished maps of the same area by Tom Dibblee which were not nearly as fault-happy, and his self-confidence was quickly restored. This experience made Ted a lifelong enthusiast for Dibblee's geologic mapping, and later in his life he would become a charter director and steadfast supporter of the Dibblee Geological Foundation.

Soon after Ted joined the family business, he read an article by a petroleum engineer who said, "The first objective of a company is not to make money; it is to continue to exist." Always remembering that oil production from a given well can only go down, Ted and his younger brother and partner Doug wisely guided the Company to diversify into several other enterprises including the self-storage business. Over the years, the Company's two South Mountain wells and a handful of other old wells in upper Ojai Valley have kept chugging along, each producing only a couple of barrels a day, but enough to survive the wild swings of oil prices in recent years.

Always a compassionate and youthful man, Ted had a great smile for all he encountered and is remembered through his tireless and enthusiastic commitment to professional and philanthropic organizations. Ted's contributions to his profession began shortly after he settled in Ventura. It began with his service as slide-projector operator for the Coast Geological Society in Ventura for years. Then he conducted field trips, edited publications and guidebooks, served on cross-section committees and wrote papers, some published informally and a couple more formally.

Two papers he wrote in the 1960s stand out: In the first he was co-author with Bob Paschall, questioning John Crowell's thesis that the San Gabriel fault had about 20 miles of horizontal movement. His other paper, on rhythmic linear sand bodies caused by tidal currents, resulted in some exploratory wells, even though it later became apparent that such sand bodies are not very common in the geologic past.

Ted worked on the original California geologist registration bill, and he himself became California Registered Geologist No.25. In the 1970s he held several positions with the California Section, American Institute of Professional Geologists (AIPG). Being somewhat politically inclined, he worked successfully on a bill providing for the preservation and release of oil well data, and he appeared before committees in Sacramento. The bill was signed in 1975, and Ted became AIPG California Section President in 1976.



Ted Off at Owens Dry Lake in 1998.

Photographs courtesy of Mary De La Torre.

Ted served on several national committees for Pacific Section AAPG in the late 1970s and once was nominated for National office. He was elected as the Pacific Section's Vice President in 1978-79 and soon after became President in its highly successful year of 1982-83 year. It was Ted's prodding that convinced the Pacific Section's Executive Committee to release \$20,000 as startup money for the Dibblee Foundation.

The Dibblee Foundation came into existence in 1983, and it owes its existence in large part to Ted's tireless, behind-the-scenes efforts in untangling all the legal and technical details of creating and running a nonprofit educational organization unique in the field of geology. Ted became charter director and treasurer of the Foundation, and with his enthusiasm, generosity, and persistence guided the Foundation ever since through thick and thin.

Of his life's many passions, one was traveling through Europe, especially England, to visit and enjoy English country gardens with Mary Ann. Together they also gave workshops on alpine wildflower identification at a Stanford high Sierras camp for several summers. When Mary Ann passed away in 1992, she left Ted with two grown children and a grandchild with red hair just like his grandmother.

In 1997, Ted married Edith Toohey of Ventura, a lifelong family friend. With Edith in his life, Ted resumed exploring Europe on a number of unusual trips, such as cruising nearly the entire length of the Danube, from central Germany to the Black Sea.

Since about 1990, Ted's other passion was flying his "B.T.—Big Toy" as he jokingly referred to his German motor glider, with its nearly 60-foot wingspan, in which he cruised over coastal California and inland as far as Utah and Colorado, commonly at altitudes of 12,000 feet or more. Gliding silently with the plane's engine turned off, Ted would take remarkable geologic photos throughout the western United States, which he shared at local geological meetings. With his lifelong interest in coastal processes, Ted also took aerial photographs for several years along the Ventura River mouth to monitor its seasonal and long-term changes. He was always eager to take other geologists or students

on flights to assist with their specific projects, and it was always gratis. But it was for sheer adventure that in 1999, Ted and Edith piloted the glider on a month-long trip clear across the country to Maine, then down the Atlantic coast to the Carolinas.

Ted never boasted about his many accomplishments and life experiences. One had to coax these stories out of him. He loved brevity, was always pragmatic, direct and quickly got to the point, and he would sometimes just bail out of conversations if someone displayed convoluted or long-winded reasoning. In fact, Ted would have considered this write-up as unnecessary and already way too long. He had little use for bureaucracy, officious rules, pomp and formality, and one could always recognize Ted at even the most serious business meetings—"just look for the white-haired guy who is wearing the big cheerful smile, and no tie."

On May 12 of this year, the Dibblee Foundation had planned to surprise Ted by dedicating to him, in a simple little ceremony, Tom Dibblee's freshly printed and colorful geologic map of the mountainous area where the Antelope Freeway spills down across the San Andreas fault into Palmdale, one of Ted's favorite soaring areas. But it was just like Ted to surprise us all by leaving so quickly. He never did get to see "his" map.

Ted is survived by his mother Dorothy Off of Los Angeles, wife Edith Off, son Thad, daughter Tracy, son-in-law Jeff Stansfield, grandson Mason Theodore Stansfield, brother Doug Off, sister Jan Simis, niece Cathy, nephew Ryan, and canine companion and best friend Corey.

A memorial service was held on May 14 at St. Paul's Episcopal Church in Ventura, where Ted was a dedicated member of the church community. Memorial contributions may still be sent to the Dibblee Geological Foundation, P.O. Box 2309, Camarillo, CA 93011.

—Editor's note: Ted Off joined the Pacific Section AAPG in 1951 and was awarded Honorary Membership in 1994. He will be missed in the Pacific Section, particularly by his many friends and colleagues in the Coast Geological Society.

Robert L. Countryman AAPG DISTINGUISHED SERVICE AWARD WINNER

The Distinguished Service Award is presented to AAPG members in recognition of long-term, meaningful service to their association. Robert L. Countryman certainly meets these criteria.

Bob earned a B.S. degree from California State University, Northridge, and an M.S. from UCLA. His professional career, which began in 1973, includes three years of borate exploration for Tenneco in Death Valley; wintering at the South Pole to maintain UCLA's micro-gravimeters; five years as an exploration, then development geologist with Gulf Oil; a three-year assignment on a Venezuelan project with Chevron Overseas; and field development and EOR positions with Chevron while working out of Bakersfield from 1979 to 1999. Bob left Chevron in 1999 to compete in the world of consulting geologists.

Bob began to actively participate in the San Joaquin Geological Society in the early 1980s, serving as editor of the SJGS Selected Papers, Volume 7, and as vice president, president-elect, and president. Although he has since enlarged his service sphere to include a more active role in AAPG's Pacific Section, as well as the national level, Bob remains active with the SJGS to this day.

He began his service with the Pacific Section by working on numerous committees, conventions, and other activities. He also entered the officer ranks, as secretary (1990-91), vice president (1992-93), and president-elect/president (1993-95). Since 1995, he has chaired the section's Directory and Membership committees, and he has served as a trustee and secretary of the PS-AAPG Foundation since its creation in 1998.

It was a natural progression for Bob to move from active involvement in his local society to his AAPG section and then on to the national arena. Bob has represented the Pacific Section in the House of Delegates since 1991 and has served

as the SJGS delegate chair since 1992. He has held several positions within the HOD, including vice chair (1996-97), and has served on several committees. Among these are committees on membership, resolutions, credentials, and HOD nominations and elections.

Outside the HOD, Bob has served on several standing and ad-hoc committees and was vice chair and now current chair of the Membership Committee. At the same time, Bob represented the Pacific Section on the Advisory Council from 1997 to 2000.

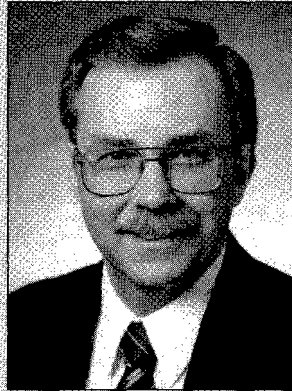
I met Bob when he joined the Advisory Council and soon found him to be a quiet voice of reason. This quality did not go unobserved by the past AAPG presidents who chair the Council, and I soon found myself working with him on several ad-hoc committees, including the unpleasant, but necessary, investigation of grievance issues. I have always found him to be

thoughtful, honest, and fair and to have the best interests of the association as his main agenda.

For his specific, earlier contributions, Bob has twice received AAPG's Certificate of Merit. It is for his continued, long-term contributions that Bob is now a very deserving recipient of AAPG's Distinguished Service Award. The inscription on his plaque reads: "In recognition of productive, long-term, concurrent service to his local affiliated society, Pacific Section, and at the national level on various committees, in the House of Delegates, and on the Advisory Council."

—Douglas G. Patchen

Editor's note: The AAPG Distinguished Service award was presented to Bob Countryman at the 2001 AAPG Annual Convention in Denver. Congratulations, Bob and thank you for your outstanding service!

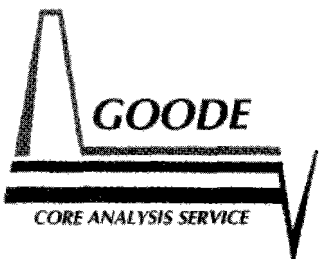


Best Presentations at Universal City

Congratulations to the winners of the awards for the best oral and poster presentations at the 2001 Pacific Section Convention in Universal City. The awards will be presented at the 2002 Pacific Section Convention in Anchorage.

Michael J. Richey, winner of the A. I. Levorsen Memorial Award for best paper, presented *3-D Modeling of a Multi-staged Turbidite System within a Structurally Complex Basin: The Republic Sandstone Member, San Joaquin Valley, California*.

Richard Blake, winner of the H. Victor Church Memorial Award for best poster, presented *Definition of Hydrostratigraphic Units Within the Alluvial Sediments at Lawrence Livermore National Laboratory*.



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Coast Geological Society Awards Teacher & Students

The Coast Geological Society has announced that their 2001 Teacher of the Year Award winner is **Barbara Green**, a fourth-grade teacher at Lincoln School in Ventura. Congratulations to Ms. Green!

A five-year teacher at Lincoln, Ms. Green received an enthusiastic recommendation for her exceptional teaching skills in the sciences. Her geology unit requires three months to complete and includes many hands-on activities, experiments, and a field trip, along with traditional literature-based exercises. As a mark of her teaching success, Ms. Green's pupils are rated with the highest SAT 9 academic growth scores.

Barbara Green is a 1975 graduate of Cal Poly-San Luis Obispo (B.S. Social Sciences) and received teaching credentials from California State University-Northridge in 1994. Her teaching experience includes three years as a substitute in the Ventura and Oxnard School Districts, one year at Saticoy Elementary School (Ventura), and the last five years at Lincoln. In 2000, the University of California-Santa Barbara South Coast Science Project recognized Ms. Green as a Science Fellow. Mike Barminski, CGS President, presented the CGS Teacher of the Year award of \$500 to Ms. Green on the evening of May 15, 2001, on behalf of CGS and Pacific Section AAPG.

—Paul Mock, Pacific Section AAPG Youth Activities Chair

At its May 15, 2001, meeting, the Coast Geological Society presented awards to geology students from local colleges and universities. Recognition is based on the student's academic achievement and intent to continue in the study of geology. Congratulations to the winners:

• **Ann Kline** and **Kim Keller-Box** of Santa Barbara City College were recognized for their achievements by Dr. Robert Gray of SBCC.

• **Tawny Seaton** of California Lutheran University was recognized for her accomplishments by Professor William Bilodeau.

• **Sara Benjamin** of the University of California-Santa Barbara was recognized with glowing remarks by Dr. Tanya Atwater of UCSB.

• **Clay Stevens** of California State University at Northridge was recognized by Professor Doug Yule of CSUN.

Several of the students received scholarships from the John Woolley Student Scholarship Fund, which was established following the untimely death of John Woolley, one of CGS's esteemed members. The Woolley family's generosity is exemplified by the founding of this scholarship fund in John's memory to benefit worthy geology students. Venoco Inc., where John worked, set up the annual John Woolley Memorial Golf Tournament in the fall of 2000. Proceeds from the event go directly toward these scholarships. CGS is honored to manage the fund.

—Joan Barminski, CGS



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Bon Voyage to Tony Reid...

The Pacific Section AAPG bids a very fond farewell to **Tony Reid** as he leaves California and transfers to Occidental's Houston office, where he will work on Southeast Asia properties (see snapshots from a recent going-away gathering). Tony has a long history of participation in the Pacific Section and has served in a variety of roles and levels, including President and AAPG Delegate for the San Joaquin Geological Society and author, field trip coordinator, course instructor, program editor, and session chair at various Pacific Section Conventions. Thank you and Bon Voyage, Tony!



Terry Thompson (Texaco), **Donna Thompson** (San Joaquin Energy Consultants), **Pam Wilson** (DGI), **Tony Reid** (Occidental), and **Mark Wilson** (Chevron).



Larry Knauer (Texaco), **Tony Reid** (Occidental), and **Mark Wilson** (Chevron) [front row], and **Joe Davidson** (Aera Energy) [back row]. All four geologists were formerly with Bechtel Petroleum Operations Inc. and worked together at the Elk Hills field (formerly the Naval Petroleum Reserve #1).

ANNOUNCING



The American Association of Petroleum Geologists is proud to announce a new venture for the presentation of prospects and properties in the fall of 2001 the **AAPG Prospect & Property Exposition (APPEX)**. Co-conveners for this new annual event are the Society of Independent Professional Earth Scientists and the Houston Geological Society. A primary sponsor for this exposition is PLS, a subsidiary of Torch Energy Advisors.

APPEX will showcase both domestic and international opportunities. The Expo is scheduled for **August 28-29, 2001**, at the Adam's Mark Hotel, Houston, Texas, located just east of the intersection of Westheimer and Beltway 8. This hotel is ideally suited for this event with room for nearly 300 booths. As an integral part of this event, PLS and Torch Energy Advisors will host a **DealMakers conference** to be held on **August 27 & 28** and will feature presentations on industry activity, exploration, acquisitions and source and capital.

To exhibit at or attend **APPEX**, or if you are interested in becoming a sponsor, please contact Michelle Mayfield Gentzen at 888-945-2274 x618, mmayfiel@aapg.org.

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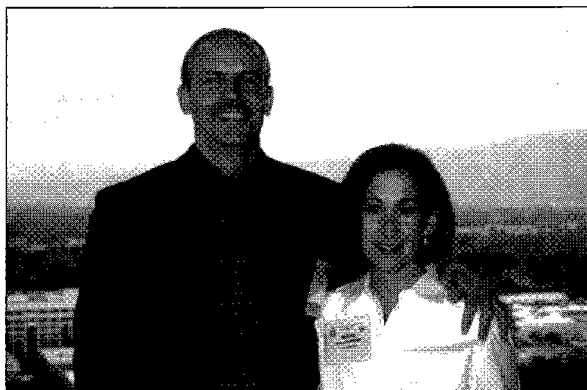
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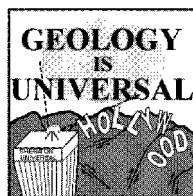
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MORE SNAPSHOTS FROM THE 2001 PACIFIC SECTION CONVENTION

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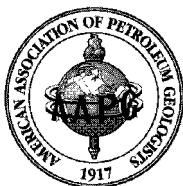
Convention Co-Chair **Jeff Shellebarger** (Chevron) and **Sydney Shellebarger**.



Thanks to
Larry Knauer
for providing his
convention
photographs!



Digger Ware (Texaco) and **Vickie Ware**.



Don Clarke (City of Long Beach), **Nancy Knauer** (DGI), **Terry Thompson** (Texaco), and Convention Operations Chair **Bob Countryman** (Oxy Elk Hills).



Convention Activities Chair **Linda Specht** (Core Laboratories) [left] and **Liz Golob** (Texaco).



The Minerals Management Service contingent [left to right]: **Joan Barminski** (Coast Geological Society Delegate), **Harold Syms** (Pacific Section AAPG Treasurer), and **Cathie Dunkel** (Pacific Section AAPG Newsletter Editor).

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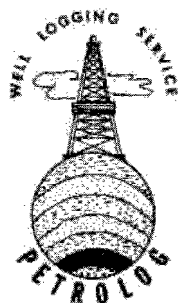
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IN ASSOCIATION WITH
SOUTHERN UTAH UNIVERSITY AND THE DIXIE GEOLOGICAL SOCIETY
FIELD CONFERENCE, CEDAR CITY, UTAH - SEPTEMBER 20-23, 2001

IN MEMORIAM: J. HOOVER MACKIN

THE MACKIN CONFERENCE THE GEOLOGIC TRANSITION HIGH PLATEAUS TO GREAT BASIN

The UGA - AAPG/PS 2001 Field Conference, to be held in Cedar City, Utah, September 20-23, 2001, dedicated to the memory of J. Hoover Mackin, is to have as its focus the nature of the geologic transition from the Colorado Plateau to the Basin Range Province. The field trips will concentrate on the transition from the High Plateaus of Utah to the Great Basin.

The registration fee for the conference will be \$75.00, in which will be included the cost of the symposium volume and attendance at the conference banquet. The featured speaker at the banquet will be Dr. Charles Groat, Director, U.S. Geological Survey. Four day-long field trips, at participant cost of \$50-75, will be conducted: (1) The Hurricane fault zone (S. Reber and W. Taylor, co-leaders), (2) Cretaceous stratigraphy of the western Markagunt Plateau (J. Eaton, leader), (3) The Caliente caldera complex, Nevada (P.D. Rowley, leader), and (4) Structure, stratigraphy and oil potential of the Great Basin (R. Fink, leader).

For more information on the Conference or on registration, contact:

M. C. Erskine, Ph.D.
Editor/Technical Program Chair
5413 Silva Avenue
El Cerrito, CA 94530
Phone: (510) 234-6214
mcerskine@home.com



**THE GEOLOGIC TRANSITION
HIGH PLATEAUS TO GREAT BASIN**



Utah Geological Association
Pacific Section/American Association of Petroleum Geologists
in Association with Southern Utah University and the Dixie Geological Society
Field Conference, Cedar City, Utah - September 20-23, 2001
In Memoriam: J. Hoover Mackin

**REGISTRATION FORM
THE MACKIN CONFERENCE
THE GEOLOGIC TRANSITION - HIGH PLATEAUS TO GREAT BASIN**

Cedar City, Utah - September 20-23, 2001

Registration Deadline: September 7, 2001 Cancellation Deadline: September 15, 2001

PLEASE PRINT CLEARLY - THIS AREA IS FOR YOUR BADGE

First name/Nick name (as it should appear on badge) Last name

Employer/University (affiliation as it should appear on badge)

Mailing address

City State Zip Code

E-mail Business phone Fax Home phone

Spouse/Guest First name/Nick name Last name

**Registration Fees (includes Icebreaker)
(postmarked on/ before 9/07/01)** Fee Column A US\$ Amt.

Professional (includes Symposium volume) \$75 \$

Student (no Symposium volume) \$10 \$

Spouse/Guest (no Symposium volume) \$50 \$

Extra Symposium volumes \$25/ea \$

Total Column A \$

FAX TO: 435-865-8180

**MAIL TO:
THE MACKIN CONFERENCE
% UTAH GEOLOGICAL SURVEY
SUU BOX 9053
CEDAR CITY, UT 84720**

Remit in U.S. funds payable to Utah Geological Association - Mackin Conference

Payment by (check one) Check # _____ Visa MasterCard Discover American Express

Card Number Expires

Signature

SPECIAL EVENTS

Banquet (included with Professional & Spouse/Guest Registration)	Fee	Quantity	Column B US\$ Amt
--	-----	----------	-------------------

Please indicate choice

<input type="checkbox"/> Chicken Cordon Bleu	Extra Tickets \$25/ea	_____	\$ _____
<input type="checkbox"/> Pasta Primavera	<input type="checkbox"/> Chicken Cordon Bleu	_____	
	<input type="checkbox"/> Pasta Primavera	_____	

Western Cookout (included with Caliente, Great Basin, & Spouse/Guest field trips) Extra Tickets \$17.50 _____ \$ _____

FIELD TRIPS (preregistration required) Includes transportation, lunch, and snacks

Lunch preference: Regular Vegetarian

Thursday, September 20

1. The Hurricane Fault Zone (S. Reber and W. Taylor, co-leaders)	\$50	_____	\$ _____
--	------	-------	----------

2. Cretaceous Stratigraphy of the Western Markagunt Plateau (J. Eaton, leader)	\$50	_____	\$ _____
--	------	-------	----------

Saturday, September 22

3. The Caliente Caldera Complex, Nevada (P. Rowley, leader)	\$75	_____	\$ _____
---	------	-------	----------

4. Structure, stratigraphy, and oil potential of the Great Basin (M. Erskine, leader)	\$75	_____	\$ _____
---	------	-------	----------

5. Spouse/Guest Trip - Zion, Kolob, Cedar Breaks	\$50	_____	\$ _____
--	------	-------	----------

Sunday, September 23

6. Sevier Fault Zone - (\$25 if registered for Hurricane fault trip) S. Reber and W. Taylor, co-leaders	\$50	_____	\$ _____
---	------	-------	----------

Special Student Field Trip Rate (does not include Western Cookout)

Specify trip(s) _____ \$25/ea _____ \$ _____

Total Column B \$ _____

Total Column A \$ _____

TOTAL FEES \$ _____

Housing A block of rooms has been reserved at the Cedar City Holiday Inn (conference site) and are available for \$57/ single or double. Contact the Holiday inn at (435) 586-8888 (1575 W. 200 N. Cedar City, UT 84720) to make your own reservations.

**Deadline for the
September/October issue:
August 10, 2001**

Visit the Pacific Section AAPG
website:
www.psaapg.org

The *Pacific Petroleum Geologist Newsletter* is published bimonthly by the Pacific Section of the American Association of Petroleum Geologists.

Material for publication should be sent to:

Cathie Dunkel
Minerals Management Service
770 Paseo Camarillo
Camarillo, CA 93010
catherine.dunkel@mms.gov
805-389-7721

Communications regarding advertising should be directed to:

Larry Knauer
knauelc@texaco.com
661-392-2471

Change of address, subscription, and membership inquiries should be directed to:

Membership Chairman
Pacific Section AAPG
P.O. Box 1072, Bakersfield, CA 93302

To order publications of the Pacific Section AAPG, write to:

Publications Committee
Pacific Section AAPG
P.O. Box 1072, Bakersfield, CA 93302

**PACIFIC SECTION
American Association of Petroleum Geologists**

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klpitts@aeraenergy.com; 661-665-5506

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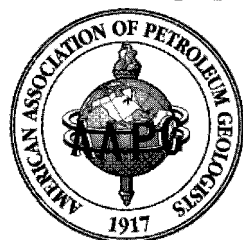
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PACIFIC PETROLEUM GEOLOGIST NEWSLETTER



Pacific Section
American Association of Petroleum Geologists

September & October 2001 No.5

MESSAGE FROM THE PRESIDENT

As the summer winds down, it's time to start thinking about the activities your local geological society has planned for this fall. Of course, the San Joaquin Geological Society will be holding its Annual Fall Barbecue and Golf Tournament the first week in September at the Kern County Museum and Kern River Golf Course in Bakersfield (see page 2). And the Northwest Energy Association will be holding its Annual Fall Symposium in Forest Grove, Oregon, in mid-September (see page 3). The Alaska Geological Society, Coast Geological Society, Los Angeles Basin Geological Society, and Northern California Geological Society are all set to start up their monthly meeting series in September as well, and the Sacramento Petroleum Association will continue its monthly meetings.

In addition to these events in your locality, the Pacific Section AAPG is co-sponsoring a field conference with the Utah Geological Association September 20-23, 2001, in Cedar City, Utah. The theme is "The Geologic Transition—High Plateaus To Great Basin." Dedicated to the memory of J. Hoover Mackin, the conference will focus on the nature of the geologic transition from the Colorado Plateau to the Basin and Range Province. Four day-long field trips will be conducted at additional cost to the participants. The Pacific Section's **Mel Erskine** is the Technical Program Chair and Editor of the conference volume. For more information, give Mel a call at 510-234-6214 or e-mail him at mcerskine@home.com.

Speaking of conferences, it's never too early to put in a plug for the Pacific Section's 2002 convention to be held in Anchorage, Alaska, May 18-23, 2002. This will be a joint meeting with the Society of Petroleum Engineers, similar in style to the 2000 meeting held in Long Beach. **David Hite** is heading up the Pacific Section's portion of the convention committee, and he promises that the meeting will be every bit as stimulating as the Long Beach meeting was.

Many of you have already heard of the passing of **Helmut Ehrenspeck**, geologic map editor for the Dibblee Geological Foundation (see pages 10-11). Helmut passed away at the Golden Trout Nature Camp in the Sierra on July 1. His unique talent for creating beautiful geologic maps from Tom Dibblee's field sheets will truly be missed. Our thoughts go out to his family, Tom Dibblee, and Helmut's many, many close friends.

—Allen Britton
President, Pacific Section AAPG



UTAH GEOLOGICAL ASSOCIATION
PACIFIC SECTION/AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS
IN ASSOCIATION WITH

SOUTHERN UTAH UNIVERSITY AND THE DIXIE GEOLOGICAL SOCIETY
FIELD CONFERENCE, CEDAR CITY, UTAH – SEPTEMBER 20-23, 2001

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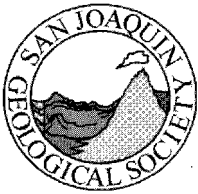
The registration fee for the conference will be \$75.00, in which will be included the cost of the symposium volume and attendance at the conference banquet. The featured speaker at the banquet will be Dr. Charles Groat, Director, U.S. Geological Survey. Four day-long field trips, at participant cost of \$50-75, will be conducted: (1) The Hurricane fault zone (S. Reber and W. Taylor, co-leaders), (2) Cretaceous stratigraphy of the western Markagunt Plateau (J. Eaton, leader), (3) The Caliente caldera complex, Nevada (P.D. Rowley, leader), and (4) Structure, stratigraphy and oil potential of the Great Basin (R. Fink, leader).

For more information on the Conference or on registration, contact:

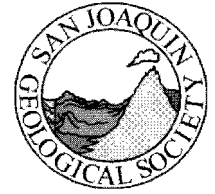
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Phone: (510) 234-6214
mcerskine@home.com

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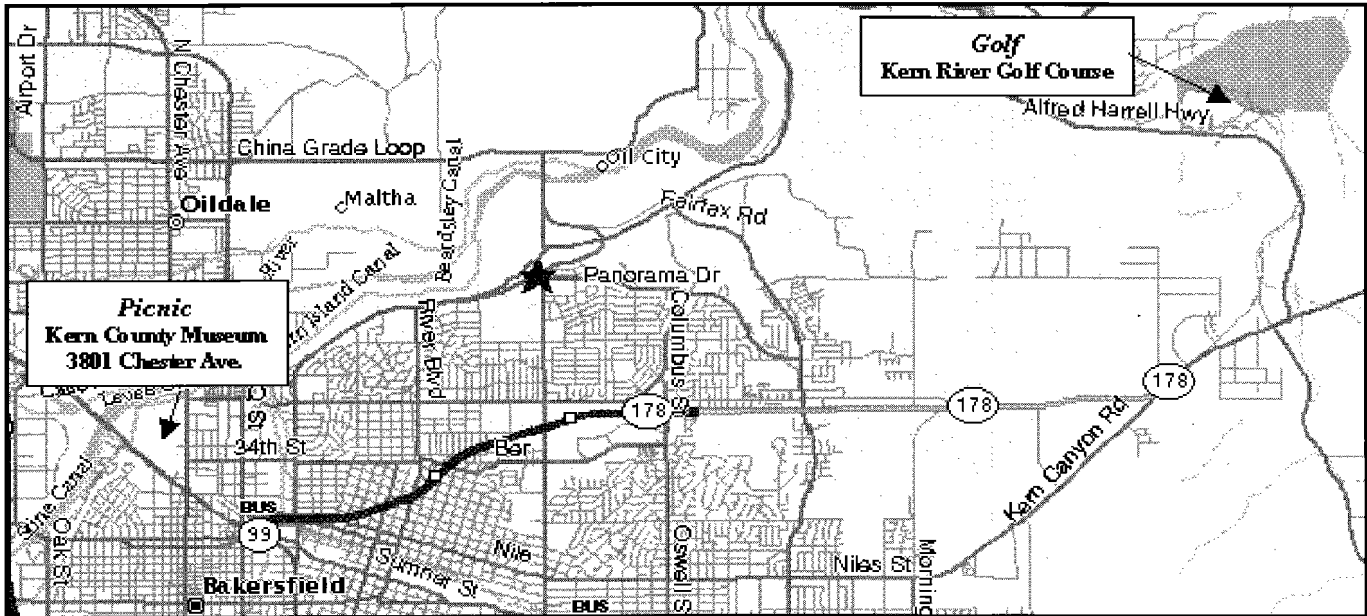
San Joaquin Geological Society
Society of Exploration Geophysicists and
San Joaquin Well Logging Society



Annual Fall Barbecue and Golf Scramble

WHEN: Friday September 7, 2001

WHERE: Picnic at Kern County Museum – Oil Exhibit (new location)
 Golf at Kern River Golf Course (next to Lake Ming)



FAMILY BARBECUE AND RAFFLE



Place: Kern County Museum – Oil Exhibit
Time: Happy Hour 5:00 p.m., Dinner 6:00 p.m.

Cost: RSVP \$15.00, \$18.00 at Gate,
 Students \$7.50, Children \$5.00



For BBQ Reservations, contact: Mike Richey at (661) 392-2278 or richemj@texaco.com

BBQ RSVP - September 6, 2001 by 4:00 p.m.

Cut on line and return

GOLF TOURNAMENT

Foursome

Circle Affiliated Society(ies)

- | | |
|----------|--------------------|
| 1. _____ | SJGS / SEG / SJWLS |
| 2. _____ | SJGS / SEG / SJWLS |
| 3. _____ | SJGS / SEG / SJWLS |
| 4. _____ | SJGS / SEG / SJWLS |

Contact Phone # _____
 Preferred Starting Time _____
 Total _____ \$

Place: Kern River Golf Course
Time: 8:00 a.m. (earliest tee time)
Cost: \$40.00 per person
 (includes green fees, cart, lunch & prizes)



Golf Questions: Bryan Bell at bell@goodecore.com or (661) 322-5540

RESERVATION DEADLINE: August 31, 2001

Mail Tournament Checks to: SJGS P.O. Box 1056 Bakersfield, CA 93302

Northwest Energy Association
presents their
Annual Fall Symposium
GEOLOGY OF
OREGON'S WINE COUNTRY
Tualatin Valley Appellation

September 13-15, 2001
McMenamin's Grand Lodge
Forest Grove, Oregon



September 13
ICEBREAKER

September 14
SPEAKER SESSION:

Ray E. Wells, U.S. Geological Survey
Marvin H. Beeson, Portland State University
Scott Burns, Portland State University
Greg Jones, Southern Oregon University

FIELD TRIP:

Three north valley wineries to be named

September 15

GEOLOGY/WINERY FIELD TRIP:

Three south valley wineries to be named



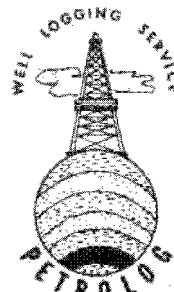
SPACE IS LIMITED! For early reservations or questions, please contact:
TRECK CARDWELL (503) 226-4211, EXT. 4681 / E-MAIL: t2c@nwnatural.com
SHELLEY THOMAS (503) 848-2947 / E-MAIL: thomasmac@earthlink.net

Mark Pahler
Operations Coring Coordinator



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NEWS FROM THE AFFILIATED GEOLOGICAL SOCIETIES

Alaska Geological Society

www.alaskageology.org

P.O. Box 101288
Anchorage, AK 99510

Contact: *Gerry Vankooten*
907-564-5391



Luncheon meetings are held on the third Thursday of the month (except July and August) at the Anchorage Hilton (500 W. 3rd Avenue) from 11:30 a.m. to 1:00 p.m. The cost is \$16 (with reservations) or \$20 (without reservations). The next meetings are scheduled for September 20 and October 18 (see Schedule of Events). For reservations, contact 907-263-4232; reservations should be made by noon on Monday before the meeting.



AGS officers for the 2001-2002 term are **Gerry Vankooten** (President), **John Buggenhagen** (Vice President), **Tom Walsh** (Secretary), and **Dave Bannon** (Treasurer). New Directors are **Kirk Sherwood** (Anchorage) and **Dave Le Pain** (Fairbanks).

Coast Geological Society

www.coastgeologicalsociety.org

P.O. Box 3055
Ventura, CA 93006

Contact: *Mike Barminski*
805-644-3397



Dinner meetings are held on the third Tuesday of the month (except July and August) at the American Legion Hall (83 S. Palm Street) in Ventura. Social hour starts at 6:00 p.m., dinner is served at 7:00 p.m., and the talk starts at 8:00 p.m. The cost of dinner is \$12 (with reservation), \$17 (without reservation), or \$7 (students and K-12 teachers); the talk is free. The next meetings are scheduled for September 18 and October 16 (see Schedule of Events). For information or reservations, contact **Steve Richardson** at richconinc@aol.com or **John Surigao** at 805-653-7975 (voice) or 805-653-7452 (fax); please make reservations by e-mail if possible. Reservations by e-mail should be made by 5:00 p.m. on Thursday before the meeting; reservations by voice or fax should be made by 3:00 p.m. on Friday before the meeting.



CGS officers for the 2001-2002 term are **Bob Orlando** (President), **Larry Gurrola** (Vice President), **Scott Simmons** (Secretary), and **Phil Kinney** (Treasurer). They will take office in October.

Los Angeles Basin Geological Society

c/o Dalton Lockman (Stocker Resources, Inc.)

5640 South Fairfax Avenue
Los Angeles, CA 90056

Contact: *Dalton Lockman*
323-298-2242



Luncheon meetings are held on the third Thursday of the month (except July and August) at 11:30 a.m. in the Monarch Room at The Grande at Willow Street Centre (4101 E. Willow Street) in Long Beach. The next meetings are scheduled for September 20 and October 18 (see Schedule of Events). The cost is \$17 or \$6 (students). For information or reservations, contact **Mike Mills** at 714-220-0770 or mfmills@netzero.net. Reservations should be made by Tuesday before the meeting.



Officers for the 2001-2002 term are **Dalton Lockman** (President), **Barry Dalkey** (Vice President), **Michael Mills** (Secretary), and **Kristy Darby** (Treasurer).

Northern California Geological Society

9 Bramblewood Court
Danville, CA 94506-1130

Contact: *Dan Day*
925-294-7530



Evening meetings are held on the last Wednesday of the month (except July and August) at the Masonic Center (9 Altarinda Road) in Orinda. Social hour starts at 6:30 p.m., and the talk starts at 7:00 p.m. (no dinner). The next meetings are scheduled for September 26 and October 24 (see Schedule of Events). The cost is \$5. For reservations, contact **Dan Day** at 925-294-7530 (leave your name on the voice recorder any time before the meeting).

NEWS FROM THE AFFILIATED GEOLOGICAL SOCIETIES

Northwest Energy Association

www.nwenergyassociation.org

P.O. Box 6679
Portland, OR 97228-6679

Contact: Jack Meyer
503-226-4211 ext. 4683



Luncheon meetings are usually held on the second Friday of the month (except June through September) at 1:00 p.m. at the Multnomah Athletic Club (1849 S.W. Salmon Street) in Portland. The next meeting is scheduled for October 12 (see Schedule of Events). The cost is \$15. For information or reservations, contact **Shelley Thomas** at 503-848-2947 or **Jack Meyer** at 503-226-4211 ext. 4683.



NWEA officers for the 2001-2002 term are **Jack Meyer** (President), **Jim Jackson** (Vice President), **Doug Schwarm** (Treasurer), **Melanie Harmon** (Secretary); directors are **Barb Portwood**, **John Jones**, and **George Sharp**.



The **NWEA Annual Fall Symposium**, Geology of Oregon's Wine Country, will be held in Forest Grove, Oregon, on September 13-15. The symposium will include a speaker session and field trips to Tualatin Valley wineries. See page 3 for details.

Sacramento Petroleum Association

P.O. Box 571
Sacramento, CA 95812-0571

Contact: Jack Smith
916-322-1110



Luncheon meetings are held on the third or fourth Wednesday of the month at noon at the Hungry Hunter Restaurant (450 Bercut Drive) in Sacramento. The cost is \$15. For information or reservations, contact **Jack Smith** at 916-322-1110.



SPA is seeking candidates for President, Secretary, and Treasurer in 2002. If you are interested or want to nominate someone, contact **Jack Smith** or **Pam Ceccarelli** at 916-322-1110. The election will be held in September, and the new term will begin in January 2002.

San Joaquin Geological Society

www.sjgs.com

P.O. Box 1056
Bakersfield, CA 93302

Contact: Allen Waggoner
661-326-1112



Dinner meetings are held on the second Tuesday of the month (except July through September) at the American Legion Hall (2020 H Street) in Bakersfield. The icebreaker starts at 6:00 p.m., dinner is served at 7:00 p.m., and the talk starts at 8:00 p.m. The next meeting is scheduled for October 9 (see Schedule of Events). The cost of dinner is \$15 (with reservations) or \$18 (without reservations); the talk is free. For reservations, contact **Mike Richey** at 661-392-2278.



SJGS officers for the 2001-2002 term are **Allen Waggoner** (President), **Jaime Roig** (President-Elect), **Cynthia Huggins** (Vice President), **Mike Richey** (Secretary), **Karen Whittlesey** (Treasurer), and **Dan Steward** (Past President). SJGS's delegates to the AAPG House of Delegates are **Mike Clark**, **Bob Countryman**, and **Mark Wilson**.



The **SJGS Annual Fall Barbecue and Golf Tournament** will be held in Bakersfield on September 7. See page 2 for details.



Wanted — Interesting and informative technical articles for future issues of this newsletter! If you have information or interpretive findings from past or recent geological studies in the Pacific region, please consider sharing your ideas and insights with other geologists by submitting an abstract or brief article for this newsletter. For more information or to submit an article, contact **Frank Cressy** at 661-323-6828 or fcressy@prodigy.net.

SCHEDULE OF EVENTS

PACIFIC SECTION AAPG & AFFILIATED GEOLOGICAL SOCIETIES SEPTEMBER & OCTOBER 2001

September 7

SJGS Annual Fall Barbecue and Golf Scramble

Location: Bakersfield, CA

See page 2 for details.

September 13-15

NWEA Annual Fall Symposium

Location: Forest Grove, OR

See page 3 for details.

September 18

CGS Monthly Dinner Meeting

Location: American Legion Hall, Ventura, CA

Speaker: Mary DeLaTorre (Dibblee Geological Foundation)
[Tentative]

Topic: Helmut Ehrenspeck

September 20

AGS Monthly Luncheon Meeting

Location: Anchorage Hilton, Anchorage, AK

Speaker: TBA

September 20

LABGS Monthly Luncheon Meeting

Location: The Grand at Willow Street Centre, Long Beach, CA

Speaker: Dan Francis (California State University, Long Beach)

Topic: Railroad Valley, Nevada

September 20-23

The Mackin Conference

Location: Cedar City, UT

See page 1 for details.

September 26

NCGS Monthly Meeting

Location: Masonic Center, Orinda, CA

Speaker: Richard Sedlock (San Jose State University)

Title: Blueschists and Ophiolites in Baja: Coast Range Geology, But With Outcrops

October 9

SJGS Monthly Dinner Meeting

Location: American Legion Hall, Bakersfield, CA

Topic: Tom Dibblee Night

October 12

NWEA Monthly Luncheon Meeting

Location: Multnomah Athletic Club, Portland, OR

Speaker: TBA

October 16

CGS Monthly Dinner Meeting

Location: American Legion Hall, Ventura, CA

Speaker: TBA

October 18

AGS Monthly Luncheon Meeting

Location: Anchorage Hilton, Anchorage, AK

Speaker: Ken Lemley (BP Exploration Alaska)

Topic: Northstar Field

October 18

LABGS Monthly Luncheon Meeting

Location: TBA

Speaker: Henk Worries

Topic: His Life as a Professional International Geologist

October 24

NCGS Monthly Meeting

Location: Masonic Center, Orinda, CA

Speaker: David Lawler (Far West Geoscience Foundation)
[Tentative]

Title: Hydraulic Gold Mining's Historical Legacy—Mercury Contamination Issues: Sierra Nevada and Klamath Mountain Regions, California

UPCOMING EVENTS

- November 13 • SJGS Monthly Dinner Meeting
- November 15 • LABGS Monthly Luncheon Meeting
- November 20 • CGS Monthly Dinner Meeting
- November 28 • NCGS Monthly Meeting
- December 11 • SJGS Monthly Dinner Meeting
- December 18 • CGS Monthly Dinner Meeting
- March 10-13 • National AAPG Meeting (Houston, TX)
- May 18-23 • Pacific Section Convention (Anchorage, AK)

Newsletter Available Online! — The *Pacific Petroleum Geologist Newsletter* is posted on the Pacific Section AAPG website at www.psaapg.org to provide easy and immediate access to PS AAPG news and information. PS AAPG members may access the digital newsletter by using a password, and nonmembers may preview an abbreviated version to elicit interest and new memberships.

Paper copies of the newsletter will continue to be printed and mailed for the coming months. However, because the costs of doing so are significant, the PS AAPG Executive Committee is considering other distribution options. If you have ideas or preferences about this, feel free to share them with any member of the Committee.

September/October Password: **barbeque**
November/December Password: **holidays**

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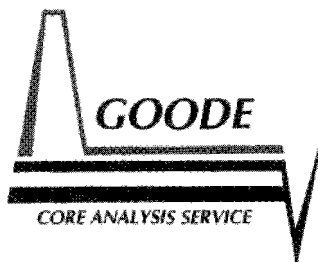
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(through October 21)

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HOURS:
Wed. - Sun., 10 a.m. to 4 p.m.

www.oilmuseum.net
info@oilmuseum.net

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(805) 933-0076

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- Santa Fe Energy, TXO, Cities Service Oil & Gas Nationwide
- Southern Pacific, PG&E/ NGC, SOHIO

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MEMBER NEWS

New & Reinstated Members

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Stuart A. Gordon	<i>Oxy Resources of California</i>	Tupman, California
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In Appreciation of Members' Donations

The Pacific Section AAPG appreciates and gratefully acknowledges the generosity of members who donated to our funds and affiliated organizations during the 2000-2001 year. Thank you for your generous support!

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	2000-2001	1999-2000	1998-1999	1997-1998	1996-1997	1995-1996
Bob Hacker Memorial Publication Fund	\$458	\$340	\$570	\$481	\$479	\$412
Martin Van Couvering Fund	\$294	\$190	\$225	\$115	\$164	\$182
Dibblee Geological Foundation	\$735	\$685	\$837	\$565	\$718	\$841
California Well Sample Repository	\$916	\$826	\$665	\$602	\$921	\$368
John E. Kilkenny Memorial Scholarship Fund	\$525	\$527	\$540	\$1,067	\$2,691	\$0
Pacific Section AAPG Foundation	\$1,168	\$557	\$0	\$0	\$0	\$0
Total	\$4,096	\$3,125	\$2,837	\$2,830	\$4,973	\$1,803

In Memory

Helmut E. Ehrenspeck

July 1, 2001

Santa Barbara, California

Ernest B. Lian

January 14, 2001

Portland, Oregon

William T. Rintoul

June 26, 2001

Bakersfield, California

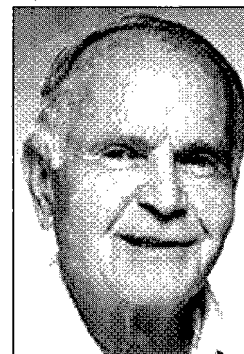
William R. Stanton

August 7, 2001

Artesia, New Mexico

WILLIAM THOMAS RINTOUL

William Thomas (Bill) Rintoul died June 26, 2001, of complications from Alzheimer's disease. Bill Rintoul was born April 30, 1922, in Taft, California. He attended Taft schools, graduating from Taft Union High School with the class of 1939. He graduated from UC Berkeley with a journalism major in 1943. He then joined the 89th Infantry division and served in Europe. He was awarded several medals including the Bronze Star. After the war, he traveled throughout Mexico and Central America, and then returned to Taft to work as a roustabout for Standard Oil. On June 19, 1948, Bill married Frankie Jo Miller, also of Taft, and attended Stanford University, where he earned a Masters Degree in Journalism. Bill returned to Kern County in 1949 to work as a stringer in the Delano area for the Bakersfield Californian. In 1950 he moved to Bakersfield and began writing his signature column, the daily Oilfield News, which he wrote for over fifty years until his retirement in May 2000. Bill covered oil activities from Kern County to around the world. During his career as a freelance writer, Bill contributed stories to many newspapers and magazines, including the San Francisco Chronicle, the Los Angeles Times, the Tulsa Daily World, Pacific Oil World, and The Oil & Gas Journal. He wrote four major books about the oil industry: Spudding In, Drilling Ahead, Oildorado, and Drilling Through Time. He has two collections of short stories and has been published in a number of anthologies, including Highway 99. He also taught classes in freelance writing at Fresno State University and Bakersfield College. Bill received many honors, including Desk and Derrick Oil Person of the Year in 1973, Grand Marshal in the Taft Oildorado 1980, the Pacific Section AAPG Journalism award in 1986, API Oil Baron 1989, the national AAPG Journalism award, and the IOPA Ray Bradley/Tom Woodward Lifetime Achievement award in 1996. In 2000, the Kern Press Club established an annual scholarship in Bill's name, and he was honored with a Bill Rintoul Night by the San Joaquin Geological Society. Bill is survived by his wife, Frankie Jo, a brother and sister-in-law, a daughter and son-in-law, a son, three grandsons, and a granddaughter.



—Excerpted from the Bakersfield Californian

Bill Rintoul, a journalist and author who was an authority on the California oil and gas industry, has died. He was 79.

A longtime columnist for the Bakersfield Californian as well as a freelance contributor to leading oil and gas industry journals, Rintoul died Tuesday in Bakersfield of complications from Alzheimer's disease.

Among oil industry officials and other journalists covering the beat, Rintoul was widely respected for his smart, savvy work. To many leaders in the state's oil and gas industry, Rintoul's six-day-a-week column in the Californian was must reading.

Born in Taft, Rintoul grew up in the oil fields of the San Joaquin Valley's southwestern corner, where during the summer the region smells like a newly tarred roof.

Rintoul studied journalism at UC Berkeley just as World War II was starting. He enlisted in the Army but finished his course work and graduated before being shipped to Europe as a rifleman. After the war, he had a number of odd jobs, including surveyor.

He briefly worked as roustabout for Standard Oil in Taft. But he determined that life working in the oil fields wasn't for him and returned to college on the GI Bill, earning a master's in journalism from Stanford.

He returned to the Central Valley, working briefly as the Californian's correspondent in Delano before landing back in Bakersfield covering the oil industry. Rintoul worked for the paper for 51 years.

While his nuts-and-bolts reporting background was solid, he brought an artist's sensibility to his books on the region and its key industry. He wrote eloquently about those who worked in the oil business.

"There are two things to keep in mind about working in the oil fields," he wrote, "One, it is dangerous. All those who go to work do not necessarily come home." As a result, Rintoul wrote, "there is a fraternity among oil workers similar to the group Bill Mauldin identified as 'them that has been shot at.'"

"Second," he continued, "when you work in the oil fields you get dirty. . . . We cleaned our skins with Pearl oil, which is itself part of the oil that comes from the earth."

Rintoul said the Bakersfield region was far less connected to the farming community that the Central Valley is famous for than it was to the larger world of oil.

In 1982, a reviewer for The Times praised the writing in four of Rintoul's books: "Spudding In," "Oildorado," "Roustabouts" and "Drilling Ahead."

"Rintoul knows the men who work the drilling rigs; he knows their families, their aspirations, their fears, and it is his use of that knowledge, along with solid literary craft, that has produced the richest body of writing to emerge from the under-world of petroleum," reviewer Gerald W. Haslam wrote.

Rintoul is survived by his wife, Frankie Jo; a son, Jim; a daughter, Susan Parker; and a brother, Dave Rintoul.

—Los Angeles Times

HELMUT E. EHRENSPECK

A Memorial Tribute by Don Clarke, Dibblee Geological Foundation

"Helmut was a good friend of mine. We talked often. I lost a good friend." That is what everyone says. I never realized how much he touched our lives. He was an integral part of geology in California. Always bubbly and happy, and always talking about his latest adventure in map-making. He was Tom Dibblee's mapping companion and also his best friend. He was the Editor and Project Director for the Dibblee Geological Foundation and the ever-present friend. He was a friend to us all—there to listen, there to analyze our ideas, and there to tell us when we were on and off course.

Helmut E. Ehrenspeck was born on June 4, 1943, in Andechs, Germany, which is located south of Munich in the Bavarian foothills. He is survived by an older brother, Gerhardt, and a younger sister, Eva. He gained an undying love for nature and geology as a small child. Some say that he never grew up at all. His family moved to Boston in 1953 when his father, a prominent research physicist and inventor, came to work for the U.S. Air Force.

Helmut went back to Germany to the University of Munich from 1963 to 1964 and studied geology. He returned to the United States and got his Bachelor's Degree in Geology from the University of Massachusetts (Amherst) in 1966. He moved to California and earned a Master's Degree in Geology from the University of California at Santa Barbara in 1972. His thesis was "Geology and Miocene Volcanism of the Eastern Conejo Hills, Ventura County, California."

During the summer of 1967, Helmut worked as a Junior Field Geologist for the U.S. Geological Survey office in Denver on the Idaho National Wilderness Area. He spent the summer of 1968 as an Assistant Field Geologist for Pan American Petroleum Corp. of Denver doing reconnaissance mapping in Colorado, Utah, and Nevada. From 1966 to 1969, he worked as a Teaching Assistant for the Department of Geological Sciences at UCSB. The second half of 1969 was spent working under a NASA Traineeship at UCSB on his thesis. From 1970 to 1972, he worked as a Graduate Teaching Assistant for the Department of Geology at Ohio State University in Columbus. During the same period, Helmut worked as a Graduate Research Associate at the Institute of Polar Studies at Ohio State. He went down to Antarctica to study the Permo-Triassic nonmarine stratigraphy in the Transantarctic Mountains and, as a result of his work there, a mountain was named after him—Mount Ehrenspeck!

From 1973 to 1976, Helmut worked as an Assistant Geologist for Argus Exploration and Cyprus Georesearch Company of Los Angeles. In 1975, he was a field geologist for the Zion Natural History Association. In 1976 and 1977, he worked as a Staff Research Assistant at the Marine Science Institute at UCSB and co-authored Oil Spill and Oil Pollution Reports. From 1977 to 1981, he worked three jobs simultaneously: he was Co-principal Investigator and Staff Research Associate at the Marine Sciences Institute at UCSB, he researched literature as a consultant for Kimberly-Clark Corp. in Wisconsin, and he worked for the

U.S. Environmental Protection Agency. In 1982, he joined the U.S. Forest Service as a geologic map editor for the Los Padres National Forest.

Helmut had been around, around, and around. He had spent his life developing new tools and making friends. It was time for stability and the Dibblee Geological Foundation, which was where he was going to stay. He started working as Editor and Project Director near the end of 1984 and jumped right into the job of preparing and publishing the maps that Tom Dibblee spent his life creating. No one had a good idea of how to do it. But Helmut jumped right in and started producing maps. The maps improved over time as Helmut developed new ways to construct them. Not only did he produce the maps, but he also became Tom's field partner as they field-checked the geology. Helmut brought his extensive experience and talents to the job, and they complemented Tom's work. Helmut became the spokesman for the Dibblee Foundation and attended many professional meetings. He gave talks about Tom and the Foundation. And he conducted field trips. It was a true labor of love.

Mushrooms! Helmut had a passion for them (especially chanterelles, which he learned to hunt in Germany), and he was a mushroom connoisseur, naturalist, and sleuth. Helmut and his mushrooms—ask his friends about them.

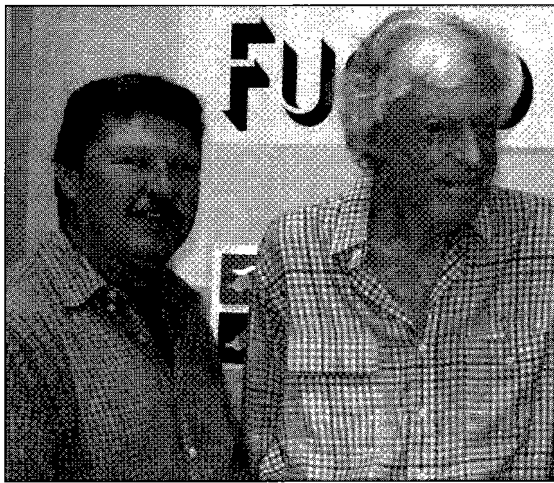
Helmut published over 100 Dibblee maps and co-authored 76 of them. He published 12 technical papers and abstracts and 17 Oil Spill and Oil Pollution Reports. Just prior to his death, he was in negotiations with the Santa Barbara Museum of Natural History to take the next step in guaranteeing the publication of all of the Dibblee geological maps. As a final note, he was elected a Fellow of the Department of Geological Sciences at UCSB in June.

Helmut LIVED his life. And he lived it with a love for nature, which he shared with all of his friends. He passed on in his sleep while enjoying the Sierras in the Golden Trout Wilderness Area. His spirit is now part of the California wilderness.

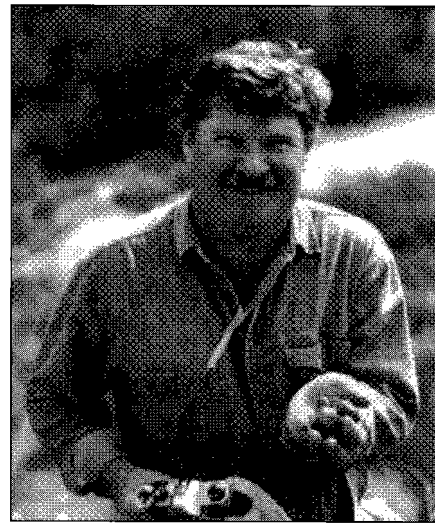
—Editor's note: Helmut's remarkable life was celebrated on July 27, 2001, at the Santa Barbara Museum of Natural History, where hundreds of friends gathered to share their memories and affection for him and express their appreciation for his influence on their lives and his contributions to the natural science community. Many of us in the Pacific Section AAPG are fortunate to have known and worked with Helmut, and we will long remember and be inspired by his enthusiasm, creativity, and generosity.

The next Dibblee Geological Foundation map, Santa Cruz Island, will be dedicated to Helmut. If you would like to contribute to its publication, please send your donation to:

DIBBLEE GEOLOGICAL FOUNDATION
P.O. Box 60560
SANTA BARBARA, CA 93160

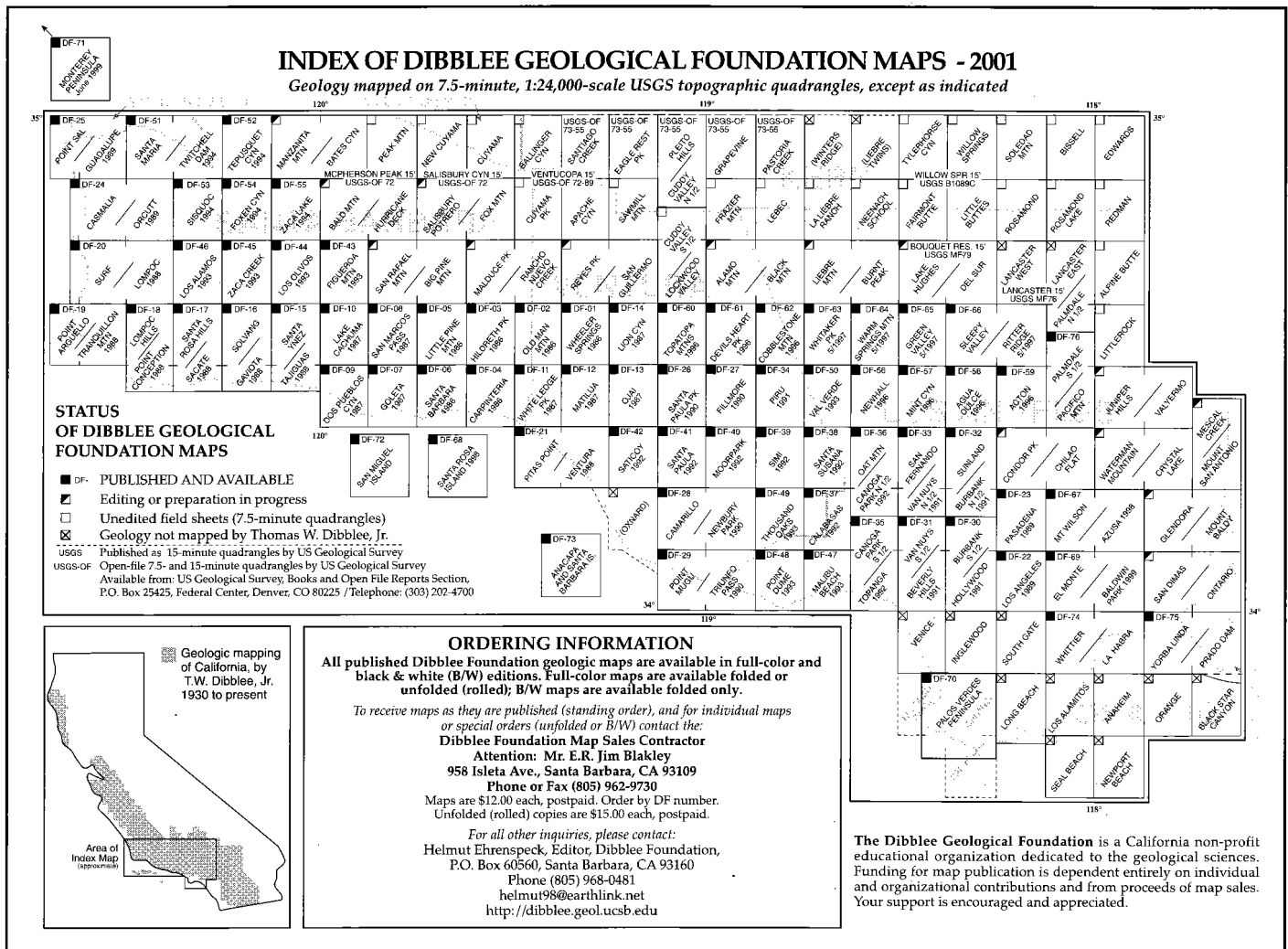


A familiar pair: Helmut Ehrenspeck and Tom Dibblee, pictured here at the June 2001 meeting of the Coast Geological Society.
Photo courtesy of Hal Myers



Helmut was a natural scientist (literally and figuratively) who was always eager to share his latest discovery.
Photo courtesy of Mary DeLaTorre

Index of Dibblee Geological Foundation maps at the time of Helmut's death in July 2001. The maps are among his many contributions to the geological community and will be a lasting legacy.



NEWS FLASH!

RUSS ROBINSON RETIRES AS CURATOR OF THE CALIFORNIA WELL SAMPLE REPOSITORY; HE DECIDES TO DEVOTE HIS TIME TO LIFE, WIFE, AND THE PURSUIT OF HAPPINESS.

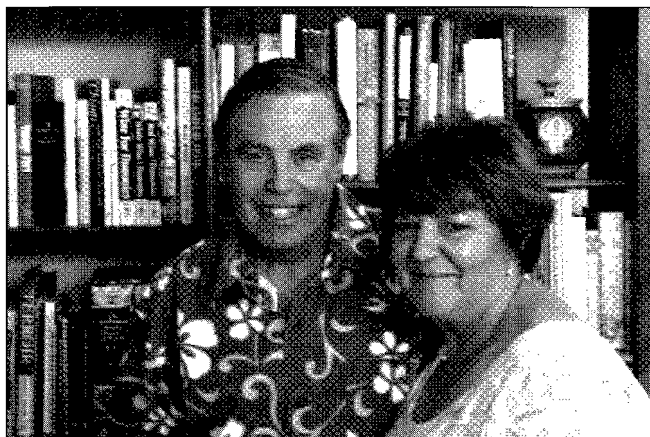
Somewhere in that narrow space between joy and a heavy heart, I must announce the retirement of one of the stalwarts of our local geologic community, Russ Robinson. Russ has been the curator and driving force behind the California Well Sample Repository for the last 11 years. His last official day as curator of the facility will be September 19, 2001.

Russ and his wife, Mary, have decided to retire and move to Hawaii. After a recent vacation trip, the big island beckoned them back. Although it may have had something to do with tropical breezes and laid back living, I think that Russ also in part needed to be at the scene of some of the hottest geologic phenomena on the planet. Russ says his retirement home is safe, but then again, it is atop a fairly recent lava flow. High ground is always a good thing when lava may be heading your direction. And Russ has always taken the high ground.

Russ received his Bachelor's Degree in geology from Cal State University Los Angeles in 1967. He spent most of the next twelve years working for the Mono Power Company (a subsidiary of Southern California Edison Co.). During this time, he worked on joint venture exploration projects for coal, uranium, oil and gas, and geothermal energy. In 1981, Russ joined the Gulf Oil Exploration group in Bakersfield, California, where he worked on preparing for the lease sales coming up in Alaska. In 1984, Russ went solo, became a registered geologist in California (No. 4194) and worked on a variety of property evaluations and geologic studies for various clients until 1990, when he took the position of curator as the California Well Sample Repository, Cal State Bakersfield.

Russ was an active curator, always looking for ways to reach out and educate any segment of the community he could with information about geology and the oil industry. He was an outspoken advocate for the need to obtain, organize, and provide public access to the geologic data collected by the oil companies over the years. In addition to acquiring well data, Russ was always looking for ways to raise more money to keep the CWSR open and running full time. When funds ran short and the CWSR was operating only part time, Russ would pick up work with local companies like Arco, Aera Energy, or Epoch Well Logging.

During Russ's time as curator he started adding to the collection of cuttings and cores. He began acquiring paleontological samples and reports. He added more cores from mining districts. He helped with the acquisition of thousands of well files that greatly enhanced the value of the data collection. The 12,000-square foot space in



Russ Robinson, retiring curator of the California Well Sample Repository, and his wife, Mary. Aloha!

the two Repository buildings is completely shelved out and nearly full of geologic data. It was also during this time that the CWSR became home to one of Cal Tech's seismic stations. Cal Tech determined that there was a gap in their seismic monitoring system and negotiated with the CWSR and Cal State Bakersfield to have one placed there. Data from this station may be accessed online.

One of Russ's most notable achievements was bringing the CWSR into the computer age. With some assistance from Mike Clark at Chevron, Russ got a

webpage going. Russ also spent a great deal of time turning the old paper catalogs into spreadsheets that are now accessed through the CWSR webpage.

Russ was very good about arranging field trips for children and their teachers. I stopped by the CWSR one Saturday and found Russ giving a geology lesson to a group of home-schooled children. Russ had a great deal of patience and willingness to work with various organizations that placed young people in the workplace to give them some experience or just keep them out of trouble. Russ also opened up the CWSR to people who needed to do court-ordered community service. He would alter his hours and come in on Saturdays to accommodate these folks. He was fair with them, but he was tough. If they weren't serious about doing their time, they were sent home.

Working at the Repository has not been a walk in the park. However, the 100°+ temperatures in the summer and the cold winter mornings did not deter another group of volunteers. Russ's band of intrepid 60+ Club workers put in thousands of hours of volunteer time over the years that Russ ran the Repository. He greatly appreciated these wonderful "retired" people and did everything he could to keep them comfortable. They, in turn, grew very fond of Russ. An annual barbecue to recognize the volunteers, primarily the 60+ Club members, was always handled by Russ and his wife, Mary. Although the annual barbecue was intended as a thank you for the volunteers, the affairs often became a forum for the 60+ group to express their appreciation to Russ.

Russ made sure to showcase the CWSR at every opportunity. He had a booth at the annual Pacific Section AAPG meeting as well as the annual Pacific Coast Oil Show. He held many open houses and barbecues at the CWSR over the years. Russ usually had the CWSR be the starting and stopping point for San Joaquin Geological field trips. He hosted the geology students and their fundraising barbecues. He acted as a mentor to the student chapter of the AAPG at Cal State Bakersfield.

Participating in local groups came naturally to Russ. He was editor of the Pacific Section AAPG Newsletter for several years. He also was an officer in the San Joaquin Geological Society. He volunteered his time with the Bakersfield Chamber of Commerce. In addition to being a member of the AAPG, Russ was a member of the Kern Astronomical Society and the Kern County Mineral Society.

Money is always an issue. The CWSR has been partially funded since its inception by an endowment fund handled by the Cal State University Bakersfield Foundation. That fund was augmented by another endowment fund set up by Mrs. Virginia Church in memory of Dr. H. Victor Church, a founding member of the CWSR. Vic and Virginia have had great affection for Russ, and Mrs. Church's donation was given with the condition that it be used to expand the working hours of the curator.

At some point over the years, it became traditional to present speakers at the San Joaquin Geological Society dinner meetings with a plaque decorated with a piece of surplus core that Russ would provide from the CWSR collection. It made for a nice memento for the speaker and provided a way to remind people of the Repository. At one SJGS dinner meeting each year, the "hat" was passed among the members to help raise money for operating the CWSR. The SJGS Executive Committee would match whatever the members donated. Russ was always there to say thanks.

The professors, students, and industry people who used the data stored at the Repository were always appreciative of Russ's extra efforts to help them find the information they needed. Over the

years, many students benefited from Russ's knowledge of geology and the oil industry, as well as his contacts throughout the oil industry.

The local oil folks would occasionally organize a volunteer work party to help Russ clean up some of the clutter that accumulates each year. These well-meaning folks would start hauling stuff out to a large rented trash receptacle and tossing it in. What most of them didn't know was that there were doors on one end of the trash container and Russ was stepping through them to retrieve things he thought were still of some value. Running the Repository on a shoestring budget made him appreciate the value of everything that passed through the facility. Of course, being the polite man that he is, he never said a word to anyone about it. Russ would take donations of most anything and attempt to turn it into cash to help pay for the operating expenses of the Repository.

The circumstances that brought Russ and his unique qualifications to the CWSR were lucky ones for the facility. He will be very difficult to replace. The California Well Sample Repository Board of Directors—which consists of members from the major oil companies, local geological societies, several government agencies, as well as from the university—wish Russ and Mary a long and happy retirement in Hawaii. Aloha!

—Larry Knauer
Chairman, Board of Directors
California Well Sample Repository
California State University Bakersfield



California Paleontological Data Now Available at Repository

The California Well Sample Repository is pleased to announce the availability of more than 10,000 recently donated micropaleontological reports. These reports were prepared by paleontologists and stratigraphers working for the Union Oil Company of California. They are organized by geographic location (i.e. tier, range, and section within each baseline and meridian in California). The northernmost is in tier 31N of the Mount Diablo B&M, and the southernmost is in tier 27S of the San Bernardino B&M.

Pending the availability of money and labor, a digital catalog of all these reports (relating the Repository's lithologic and micropaleontologic samples) will be prepared. Eventually a complete catalog is planned. For the near term, the reports may be utilized via a phone call, fax, or e-mail request to the Repository, specifying with the location and well name. The fee for the use of paleontologic reports is \$25 per well, and they may be sent offsite for copying at user expense.

The Repository is deeply grateful for this irreplaceable geoscience database and wishes to thank Nuevo Energy Company for its generous donation.

—Russ Robinson
California Well Sample Repository

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New Pacific Section AAPG Publication

GEOCHEMISTRY OF CALIFORNIA'S MAIN HYDROCARBON-PRODUCING BASINS

(This data was previously available only to subscribers of these studies.)

CD-ROM Series 1

Our first publication of geologic material on a CD-ROM is a collection of papers about the oil, gas, and source-rock investigations carried out in the San Joaquin, Santa Maria, Santa Barbara, Ventura, and Los Angeles basins in California. This collection of papers was written in the mid-to-late 1980s and in 1997 by staff members of Global Geochemistry Corporation. Dr. Ian R. Kaplan, professor of geochemistry at UCLA, headed the corporation. This CD includes ten chapters, each representing a different report. There are 4,600 pages of material.

Cost: \$39.00 + \$5.00 shipping and handling

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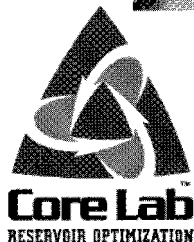
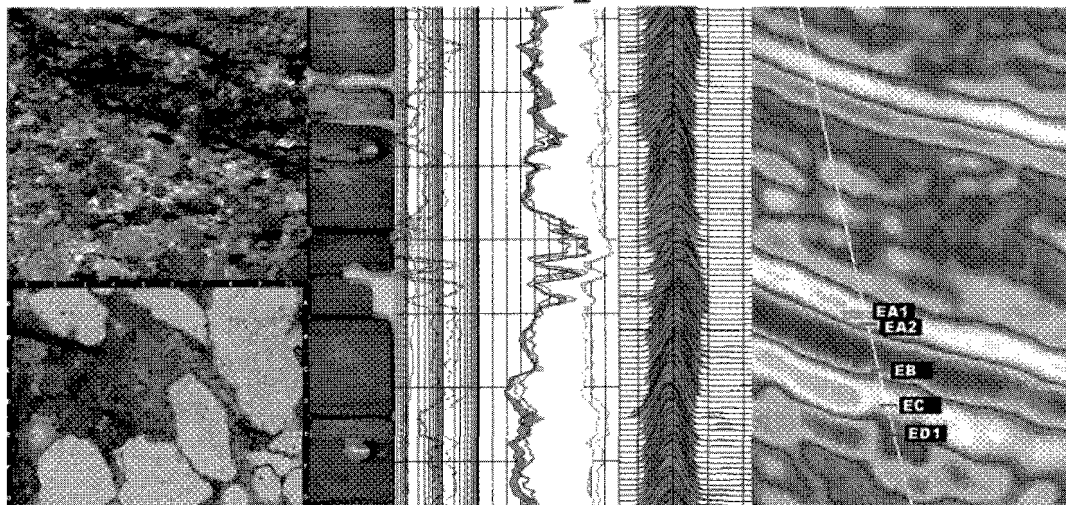
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LES COLLINS
WEST COAST DIVISION MANAGER
CALIFORNIA REGISTERED GEOLOGIST #3907

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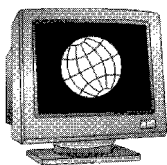
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FALL CLASSES AT CSUB'S GEOTECHNOLOGY CENTER!

Introduction to UNIX for the Petroleum Professional

Course participants will develop an understanding of the UNIX File System and become familiar with basic UNIX commands used to facilitate working with UNIX-based mapping software, including communication, navigation, file management, searching, comparison, redirection, and storage commands. [2 credits*]

<i>Instructor:</i>	Karen Blake, Berry Petroleum	<i>Cost:</i>	\$350
<i>Course Meetings:</i>	Tuesday & Thursday nights, 6-9 p.m. September 25, 27 & October 2, 4, 9, 11, 16, 18	<i>Registration Deadline:</i>	September 17
		<i>Maximum Enrollment:</i>	12

UNIX Scripting

Learn to read, write, and debug shell scripts, thus increasing productivity by taking full advantage of the UNIX shell. You will also explore many other scripting topics, such as controlling flow in scripts, running scripts, different options, and the job process. You will gain real-world experience through hands-on labs. This course is designed for those who have some knowledge of the UNIX operating system or have taken an Introduction to UNIX class. [1 credit*]

<i>Instructor:</i>	David Stadden	<i>Cost:</i>	\$175
<i>Course Meetings:</i>	Tuesday & Thursday nights, 6-9 p.m. October 23, 25, 30 & November 1	<i>Registration Deadline:</i>	October 15
		<i>Maximum Enrollment:</i>	12

Introduction to GeoGraphix GESX

This course is designed to familiarize the geoscientist with the GESXplorer software program. It uses a hands-on approach to introduce the comprehensive data management and mapping package to the novice and intermediate user. Topics include importing data, managing cultural and well data, building basemaps, creating cross sections, contouring subsurface data, working with faults, generating structure and isopach maps, and generating display montages. [2 credits*]

<i>Instructor:</i>	Mark Yarlot, Berry Petroleum	<i>Cost:</i>	\$375 (includes manual)
<i>Course Meetings:</i>	Monday & Wednesday nights, 6-9 p.m. November 7, 12, 14, 19, 26, 28 & December 3, 5	<i>Registration Deadline:</i>	October 30
		<i>Maximum Enrollment:</i>	12

Reservoir Characterization

The course objective is to gain technical skills that should significantly enhance the understanding of well productivity, enhanced oil recovery estimation, net pay criteria on original-oil-in-place calculations, and reservoir fluid flow simulation data using a local dataset. An understanding of logging tools, logging concepts, core analysis, and structural mapping is required. This course will use Landmark's StrataModel software. [2 credits*]

<i>Instructor:</i>	Chuck O'Brien, Aera Energy	<i>Cost:</i>	\$350
<i>Course Meetings:</i>	Tuesday & Thursday nights, 6-9 p.m. November 1, 6, 8, 13, 15, 20, 27, 29	<i>Registration Deadline:</i>	October 8
		<i>Maximum Enrollment:</i>	10

Registration:

Without University Credit

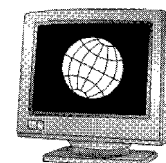
Send contact information (phone number and/or e-mail address) and a check (payable to CSUB Foundation-GTTC) for the entire course fee to:

Dr. Jan Gillespie
Department of Geology
California State University
9001 Stockdale Highway
Bakersfield, CA 93311

* With University Credit

Each course counts as 2 credits of Geology 577 (Instruction in Geotechnology), except UNIX Scripting (1 credit). Students must apply to the University and enroll in Geology 577 in order to receive credit.

For more information about the local and cost-effective training offered at the West Coast GeoTechnology Training Center (GTTC) at California State University, Bakersfield, visit the website at www.cs.csubak.edu/Geology/center.html or contact Jan Gillespie at 661-664-3040 or jan@cs.csubak.edu.



**Deadline for the
November/December issue:
October 10, 2001**

Visit the Pacific Section AAPG
website:
www.psaapg.org

The *Pacific Petroleum Geologist Newsletter* is published bimonthly by the Pacific Section of the American Association of Petroleum Geologists.

Material for publication should be sent to:

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Minerals Management Service
770 Paseo Camarillo
Camarillo, CA 93010
catherine.dunkel@mms.gov
805-389-7721

Communications regarding advertising should be directed to:

Larry Knauer
knauelc@texaco.com
661-392-2471

Change of address, subscription, and membership inquiries should be directed to:

Membership Chairman
Pacific Section AAPG
P.O. Box 1072, Bakersfield, CA 93302

To order publications of the Pacific Section AAPG, write to:

Publications Committee
Pacific Section AAPG
P.O. Box 1072, Bakersfield, CA 93302

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American Association of Petroleum Geologists**

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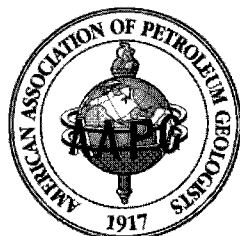
Pacific Petroleum Geologist Newsletter

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PACIFIC PETROLEUM GEOLOGIST NEWSLETTER



Pacific Section
American Association of Petroleum Geologists

November & December 2001 No.6

MESSAGE FROM THE PRESIDENT

We have all been touched in one form or another by the events of September 11. Family and friends have a renewed meaning in our lives, and the little things that used to occupy so much of our time and energies now fade to insignificance. We as a people seem to be focused on our nation as never before. As geoscientists, we are aware of the contributions our efforts make to our nation's economy and its ability to be a world leader in science and technology. Our role in finding and exploiting energy resources relies on not only deploying the latest in technologies, but in the dissemination of information within our workgroups. The Pacific Section is committed to being a forum for the dissemination of information to our members. Our newsletter and annual meetings are the most visible forms of that commitment, but our affiliated societies play an important role through their monthly meetings as well. It is here that we assemble to hear stimulating and thought provoking talks, renew old friendships, and have some fun as well.

By now you should have received the Call for Papers for the joint Pacific Section AAPG/Western Region SPE meeting to be held May 18-23, 2002, in Anchorage, Alaska. I would like to encourage all to submit an abstract for this exciting meeting. While the focus of the meeting is on Alaska, I'm sure the convention committee will warmly welcome papers from outside the area. The convention committee requests that your abstracts be submitted by November 15, 2001. Abstracts can be submitted electronically by going to: www.aapg-spe-2002.org.

Finally, I would like to take this opportunity to wish all of you a safe and happy holiday season.

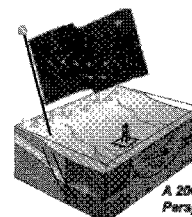
—Allen Britton
President, Pacific Section AAPG

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2002 JOINT MEETING

WESTERN REGION
SPE



A 2002
Perspective

ENERGY FRONTIERS

PACIFIC SECTION
AAPG



May 18-23, 2002 • ANCHORAGE, ALASKA

AAPG Technical Sessions

- Geology of the Brooks Range and Southern Colville Basin, Alaska
- North Slope Gas Resources Symposium
- Russian Arctic and Sakhalin
- Shifting Paradigms and Application of New Technologies in Mature Development Areas
- Resource Development in the Mackenzie Delta, Canada
- NPRA: The Emerging Frontier
- ANWR Coastal Plain: Geology and Petroleum Potential
- Cook Inlet Forearc Basin: An Old Petroleum Province Getting New Attention
- Arctic Petroleum Systems
- Exploration for Unconventional and Shallow Gas Resources of Alaska
- Environmental Geology in Northern Regions
- Beyond the Petroleum Window: Mineral Resources in the North Pacific Region
- Geophysical Techniques in Arctic Regions
- Triassic Paleogeography of Alaska and the Arctic: Implications for Source and Reservoir Rock Deposition
- The Barrow Arch: Geologic Evolution and Hydrocarbon Habitat
- Tectonics of the Circum-Arctic

SPE Technical Session Themes

- Innovations & Novel Applications
- Fracture Stimulation
- Reservoir Characterization & Reservoir Mechanisms
- Surface Facility Applications
- Health, Safety & Environment
- Improved Oil Recovery & Reservoir Management
- Production Optimization & Artificial Lift
- Coiled Tubing Drilling
- Rotary Drilling Technology
- Formation Evaluation
- Completion Innovations
- New Development Case Histories
- GEMS Session (Short Topics)

Abstract / Paper Proposal Deadline:
November 15, 2001

www.aapg-spe-2002.org

NEWS FROM THE AFFILIATED GEOLOGICAL SOCIETIES

Alaska Geological Society

www.alaskageology.org

P.O. Box 101288
Anchorage, AK 99510

Contact: *Gerry Vankooten*
907-564-5391



Luncheon meetings are held on the third Thursday of the month (except July and August) at the Anchorage Hilton (500 W. 3rd Avenue) from 11:30 a.m. to 1:00 p.m. The cost is \$16 (with reservations) or \$20 (without reservations). The next meeting is tentatively scheduled for November 15 (see Schedule of Events). For reservations, contact 907-263-4232; reservations should be made by noon on Monday before the meeting.

Coast Geological Society

www.coastgeologicalsociety.org

P.O. Box 3055
Ventura, CA 93006

Contact: *Bob Orlando*
805-656-4677



Dinner meetings are held on the third Tuesday of the month (except July and August) at the American Legion Hall (83 S. Palm Street) in Ventura. Social hour starts at 6:00 p.m., dinner is served at 7:00 p.m., and the talk starts at 8:00 p.m. The cost of dinner is \$12 (with reservation), \$17 (without reservation), or \$7 (students and K-12 teachers); the talk is free. The next meetings are scheduled for November 20 and December 18 (see Schedule of Events). For information or reservations, contact **Scott Simmons** at coastgeo@pacbell.net or **John Surigao** at 805-653-7975 (voice) or 805-653-7452 (fax); please make reservations by e-mail if possible. Reservations by e-mail should be made by 5:00 p.m. on Thursday before the meeting; reservations by voice or fax should be made by 3:00 p.m. on Friday before the meeting.



The 3rd annual John Woolley Memorial Golf Tournament will be held November 2 at Glen Annie Golf Club in Goleta, California. The event is sponsored by Venoco, Inc., and provides scholarships through the CGS. For information, contact **Mary Costa** at 805-745-2100 or mcosta@venocoinc.com.

Los Angeles Basin Geological Society

c/o Dalton Lockman (Stocker Resources, Inc.)

5640 South Fairfax Avenue
Los Angeles, CA 90056

Contact: *Dalton Lockman*
323-298-2242



Luncheon meetings are held on the third Thursday of the month (except July and August) at 11:30 a.m. in the Monarch Room at The Grande at Willow Street Centre (4101 E. Willow Street) in Long Beach. The next meeting is scheduled for November 15 (see Schedule of Events). The cost is \$17 or \$6 (students). For information or reservations, contact **Mike Mills** at 714-220-9138 ext. 13 or millslabgs@hotmail.com. Reservations should be made by Tuesday before the meeting.

Northern California Geological Society

9 Bramblewood Court
Danville, CA 94506-1130

Contact: *Dan Day*
925-294-7530



Evening meetings are held on the last Wednesday of the month (except July and August) at the Masonic Center (9 Altarinda Road) in Orinda. Social hour starts at 6:30 p.m., and the talk starts at 7:00 p.m. (no dinner). The next meetings are scheduled for September 26 and October 24 (see Schedule of Events). The cost is \$5. For reservations, contact **Dan Day** at 925-294-7530 (leave your name on the voice recorder any time before the meeting).



NCGS announces its 2002 competition for Earth Science Teacher of the Year, for which it will award \$500 to a local K-12 teacher in Spring 2002. The winner will also be eligible for the Pacific Section AAPG 2002 Teacher of the Year Award. Applications for the NCGS competition must be submitted by February 15, 2002. For details and applications, contact **Randy Kirby** at 925-254-2990 or rkirby.geosci@usa.net.

NEWS FROM THE AFFILIATED GEOLOGICAL SOCIETIES

Northwest Energy Association

www.nwenergyassociation.org

P.O. Box 6679
Portland, OR 97228-6679

Contact: Jack Meyer
503-226-4211 ext. 4683



Luncheon meetings are usually held on the second Friday of the month (except June through September) at 1:00 p.m. at the Multnomah Athletic Club (1849 S.W. Salmon Street) in Portland. The next meetings are scheduled for November 9 and December 14 (see Schedule of Events). The cost is \$15. For information or reservations, contact **Shelley Thomas** at 503-848-2947 or **Jack Meyer** at 503-226-4211 ext. 4683.



The **NWEA Annual Fall Symposium** was held on September 13-15, and it was a great success. For field trip highlights, see page 6.

Sacramento Petroleum Association

P.O. Box 571
Sacramento, CA 95812-0571

Contact: Jack Smith
916-322-1110



Luncheon meetings are held on the third or fourth Wednesday of the month at noon at the Hungry Hunter Restaurant (450 Bercut Drive) in Sacramento. The next meeting is scheduled for November 14 (see Schedule of Events). The cost is \$15. For information or reservations, contact **Jack Smith** at 916-322-1110.



SPA is seeking candidates for all officers in 2002. The current President will step down in December, and a replacement is needed for the new term, which will begin in January. If you are interested or want to nominate someone, contact **Jack Smith** or **Pam Ceccarelli** at 916-322-1110.



The Gas Patch Holiday Party will be held at the Radisson hotel in Sacramento on December 7 and will include cocktails (6:30 p.m.), dinner (7:30 p.m.), and dancing. For information, contact **Debbie Doris** at 916-486-0661 or **Teresa Gregory** at 916-859-4710 ext. 408 or tgregory@gasbiz.com.

San Joaquin Geological Society

www.sjgs.com

P.O. Box 1056
Bakersfield, CA 93302

Contact: Allen Waggoner
661-326-1112



Dinner meetings are held on the second Tuesday of the month (except July through September) at the American Legion Hall (2020 H Street) in Bakersfield. The icebreaker starts at 6:00 p.m., dinner is served at 7:00 p.m., and the talk starts at 8:00 p.m. The next meetings are scheduled for November 13 and December 11 (see Schedule of Events). The cost of dinner is \$15 (with reservations) or \$18 (without reservations); the talk is free. For reservations, contact **Mike Richey** at 661-392-2278.



The **SJGS Annual Fall Barbecue and Golf Tournament** was held in Bakersfield on September 7, and was a great success. See page 7 for photos.



Wanted — Interesting and informative technical articles for future issues of this newsletter! If you have information or interpretive findings from past or recent geological studies in the Pacific region, please consider sharing your ideas and insights with other geologists by submitting an abstract or brief article for this newsletter. For more information or to submit an article, contact **Frank Cressy** at 661-323-6828 or fcressy@prodigy.net.

SCHEDULE OF EVENTS

PACIFIC SECTION AAPG & AFFILIATED GEOLOGICAL SOCIETIES NOVEMBER & DECEMBER 2001

November 9

NWEA Monthly Luncheon Meeting

Location: Multnomah Athletic Club, Portland, OR

Speaker: TBA

November 13

SJGS Monthly Dinner Meeting

Location: American Legion Hall, Bakersfield, CA

Speaker: TBA

November 15*

AGS Monthly Luncheon Meeting

Location: Anchorage Hilton, Anchorage, AK

Speaker: Kurt Rudolf (ExxonMobil Exploration & AAPG Distinguished Lecturer)

Title: DHI/AVO Analysis Best Practices: A Worldwide Analysis

November 15

LABGS Monthly Luncheon Meeting

Location: The Grand at Willow Street Centre, Long Beach, CA

Speaker: Mike Mills (Pacific Soils Engineering, Inc.)

Topic: Near-surface Faulting in Southern California Oil Fields Related to Urban Development

November 20

CGS Monthly Dinner Meeting

Location: American Legion Hall, Ventura, CA

Speaker: TBA

November 14

SPA Monthly Luncheon Meeting

Location: Hungry Hunter Restaurant, Sacramento, CA

Speaker: Andre Brown (W.L. Gore & Associates)

Title: GORE-SORBER Exploration Survey: A Powerful Risk Reduction Method for Oil and Gas Exploration

November 28

NCGS Monthly Meeting

Location: Masonic Center, Orinda, CA

Speaker: David Des Marais (NASA Ames Research Center)

Title: The Biogeochemical Carbon Cycle and the Coevolution of Early Earth and Biosphere

December 11

SJGS Monthly Dinner Meeting

Location: American Legion Hall, Bakersfield, CA

Speaker: TBA

December 14

NWEA Monthly Luncheon Meeting

Location: Multnomah Athletic Club, Portland, OR

Speaker: TBA

December 18

CGS Monthly Dinner Meeting

Location: American Legion Hall, Ventura, CA

Speaker: TBA

UPCOMING EVENTS

- January 8 • SJGS Monthly Dinner Meeting
- January 11 • NWEA Monthly Luncheon Meeting
- January 15 • CGS Monthly Dinner Meeting
- January 17 • LABGS Monthly Luncheon Meeting
- January 30 • NCGS Monthly Meeting
- January 16* • SPA Monthly Luncheon Meeting
- February 8 • NWEA Monthly Luncheon Meeting
- February 12 • SJGS Monthly Dinner Meeting
- February 19 • CGS Monthly Dinner Meeting
- February 20* • SPA Monthly Luncheon Meeting
- February 21 • AGS Monthly Luncheon Meeting
- February 21 • LABGS Monthly Luncheon Meeting
- March 10-13 • National AAPG Meeting (Houston, TX)
- May 18-23 • Pacific Section Convention (Anchorage, AK)

* Tentative



Newsletter Available Online! — The *Pacific Petroleum Geologist Newsletter* is posted on the Pacific Section AAPG website at www.psaapg.org to provide easy and immediate access to PS AAPG news and information. PS AAPG members may access the digital newsletter by using a password, and nonmembers may preview an abbreviated version to elicit interest and new memberships.

Paper copies of the newsletter will continue to be printed and mailed for the coming months. However, because the costs of doing so are significant, the PS AAPG Executive Committee is considering other distribution options. If you have ideas or preferences about this, feel free to share them with any member of the Committee.

November/December Password: **holidays**
January/February Password: **derrick**

Well Data Research

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of

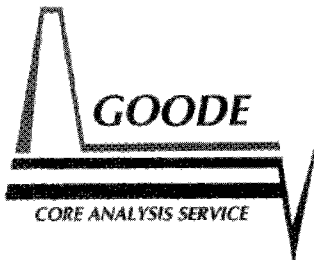
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Position Available — Geologic Map Editor

The **Dibblee Geological Foundation** has an immediate need for a contract geologic map editor. The contractor should be a skilled field geologist, have digital cartography experience, large offset printing press management skills, and artistic abilities. The principal work place will be Santa Barbara, California. The mission of the Thomas Wilson Dibblee, Jr. Geological Foundation, a small non-profit organization, is to prepare, edit, publish, and make available to the public all of the geologic mapping done by Thomas Wilson Dibblee, Jr. Some 75 maps have been published with several hundred remaining.

The contract duties will include editing, field checking, digital transfer from the field sheets to a mapping program, cartographic projection transformations, overlay onto USGS topographic base, legend and cross-section construction, transfer of digital map to the printer, printing supervision, and print editing. The contractor will also participate in promotional and fundraising activities consisting of attendance at professional society meetings, field trip organization, and meeting with potential donors.

A strong working knowledge of California geology is desired, and a California Drivers license is required.

Interested contractors should send a letter of interest and resume to:

DIBBLEE GEOLOGICAL FOUNDATION
P.O. Box 2309
CAMARILLO, CA 93011



SEPTEMBER 11, 2001



AMERICA

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Pacific Seismic

NWEA Annual Fall Symposium – FIELD TRIP WITH FLOWING WINE & BASALT

The Northwest Energy Association's Annual Fall Symposium, Geology of Oregon's Wine Country, was held in Forest Grove, Oregon, on September 13-15. The symposium included a speaker session and a field trip to Tualatin Valley wineries, and it was a great success.

Field trip participants studied the regional geology and climatic conditions for growing grapes. We visited seven wineries/vineyards and discussed the geology, soil, and weather unique to each location. And we tasted the results! At each location, the vineyard manager or owner explained how they grew their grapes (they were all hungry for information about the soil) and the winemaker discussed what they did. We toured one winery from beginning to end, and the owner guided the tour.

We learned all about the history of the

industry and how it started (the Vice President of the Oregon Wine Growers Association addressed the group): Some local guys attended a class at U.C. Davis, where they were essentially told that good grapes could not be grown in northwest Oregon. Not believing this, one tried growing Pinot Noir grapes, as they seemed to fit the growing conditions (similar to Burgundy, France). He grew them on south-facing, deeply weathered, basalt flows in the Dundee Hills, west of Portland. In 1976 or so he entered his Pinot Noir in a contest in France and won first place for the best Pinot Noir in the world... and the northwest Oregon wine industry was born!

Oregon is ranked second in the number of wineries and fourth in volume in the U.S. World-class Pinot Noir is now grown on sedimentary soils as well as basalt soils; the

debate is which grows the best. The highlight of the trip was tasting from the cask of Pinot Noir made by the same winemaker from three different vineyards on three different flows of the Columbia River Basalt.

Portland State geology professor Scott Burns (who is also a soil scientist and landslides expert) guided the field trip, and Ray Wells of the USGS brought his field maps. The trip's participants included two soil scientists, a farmer, a climatologist (who did his doctoral dissertation in Bordeaux on viticulture), two leading regional geologists, as well as two retired geology professors from Oregon State. We even encountered the former Governor of Oregon at one vineyard, and he joined the group as we discussed the soil and tasted the grapes (interestingly, the Chardonnay grape tastes just like the wine, as does the Riesling).

—Jack Meyer, President, NWEA

NCGS Field Trip – BLUESCHISTS, ECLOGITES, AMPHIBOLITES & REFRESHMENTS



Participants from the Northern California Geological Society's May 19-20 field trip, the Golden B.E.A.R. Tour.

About 30 participants sampled **Blueschists**, **Eclogites**, **Amphibolites**, and **Refreshments** (brewpubs) in the Franciscan Complex of central California.

Dr. John Wakabayashi led the trip.

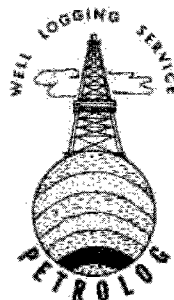
Photo courtesy of Terry Kato

Mark Pahler
Operations Coring Coordinator



INTEQ (Formerly Christensen Coring)

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Bakersfield, California 93313
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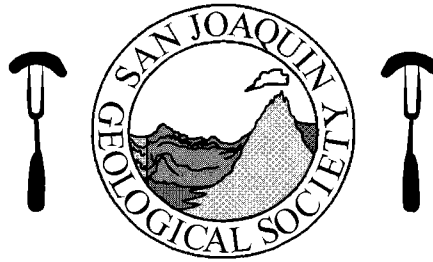
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SJGS Annual Fall Barbecue

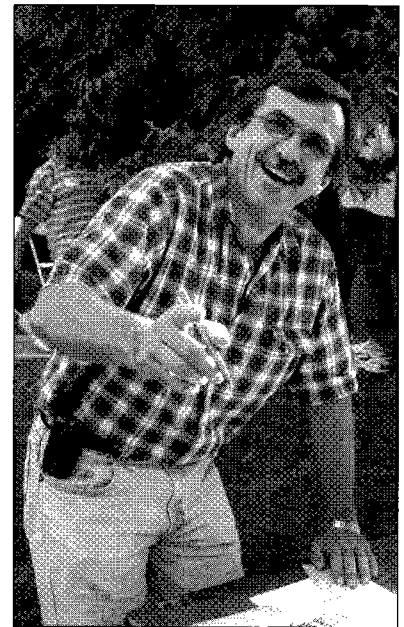
Following a great day of golf on September 7, San Joaquin Geological Society members gathered at the Kern County Museum for a barbecue in the vicinity of the new oil exhibit, which will be constructed next year. Nice weather and plenty of shade trees made the gathering a very nice one. *Photos courtesy of Larry Knauer*



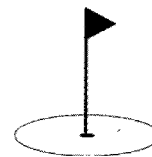
SJGS Secretary **Karen Whittlesey** (Texaco) and SJGS Treasurer **Mike Richey** (Texaco).



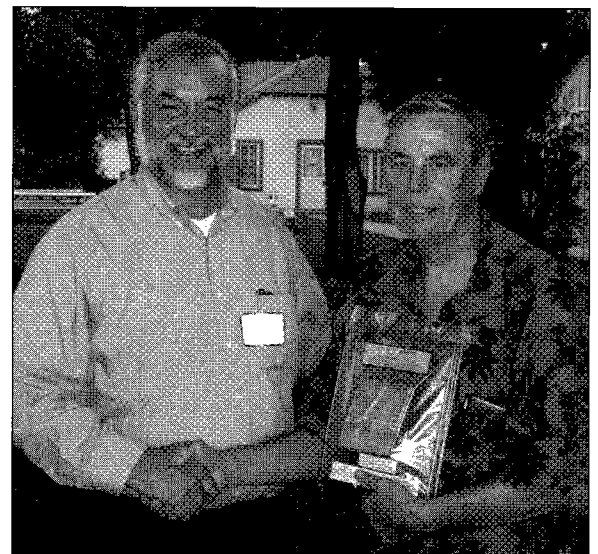
Les Collins (Epoch Well Services) caught chewing on some gristle.



Reinhard Suchsland (Breitburn Energy) drove up from Los Angeles to enjoy the BBQ, which was hosted by Core Laboratories.



Left to right: PS-AAPG Past President **Kay Pitts** (Aera Energy), **Donna Thompson** (San Joaquin Energy Consultants), **Linda Specht** (Core Laboratories), and SJGS Vice President **Cynthia Huggins** (Texaco).



Mark Wilson (Chevron) presenting a plaque from the SJGS to **Russ Robinson**, retiring curator of the California Well Sample Repository.

In Memory

Memorial articles and photographs may be sent to the editor by family or friends of Pacific Section AAPG members. Materials are subject to revision to accommodate newsletter space constraints and will be returned upon request.

RUFUS EDWARD COOK

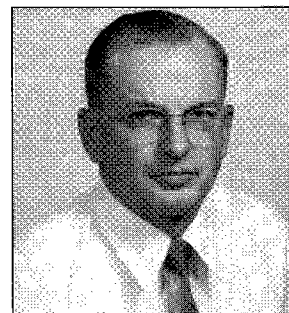
Rufus E. Cook passed away on August 10, 2001, of complications resulting from surgeries. He was 82. He is survived by his wife, Betty, a sister, four children, and four grandchildren.

Rufus was born in 1919 in Gilroy, California. He graduated from Napa Union High School, Marin Junior College, and attended Stanford University in the premedical program until the spring of 1941. By this time, he had his private pilot's license and joined the Army Air Corps as a Flying Cadet. He trained in Oxnard and Bakersfield and graduated in the class of 42-D from Stockton, California. He was a Bombardier Cadet and B-17 instructor at Albuquerque, New Mexico, and attained the rank of Major. By the end of WWII, he was flying B-17's and B-29's, carrying troops between the U.S. and England.

He returned to Stanford University and received his Bachelor's Degree in Biology and a Master's Degree in Geology. After graduation, he joined Standard Oil Company of California in Taft as a geologist (1949). This was the beginning of many "grand adventures" which took him to the Persian Gulf, the vast deserts of Khuzestan, Iran, and the steamy jungles of Indonesia. In 1987 he retired to Bakersfield, where he was very active in the American Association of Petroleum Geologists and many other organizations. His fascination with computers led him to teaching computer skills to senior citizens, continuing with his ham radio, sailing, fishing, and more traveling! He was an avid underwater photographer, SCUBA diver, archeologist, sailor, pilot, woodworker, hiker, fisherman, and skier, sharing all these loves with his children and grandchildren. Most of all, he enjoyed being with his grandchildren and telling stories with his many friends that he shared his life. He knew everyone!

Monetary contributions to the school of Earth Sciences, Stanford University, are welcome.

—Excerpted from the Bakersfield Californian



WILLIAM RICHARD STANTON

William R. (Bill) Stanton passed away August 7, 2001, in Artesia, New Mexico, after a long and courageous battle with cancer. Bill was born October 12, 1947, in Bakersfield, California. After graduating from Bakersfield High School in 1965, Bill attended Bakersfield College before being drafted into the Army in 1967. He was a highly decorated Vietnam War veteran. It was during this time in Vietnam that Bill's love of geology was sparked.

After completing his tour of duty in 1970, Bill attended San Jose State University, where he completed a B.S. in Geology in 1974 and a M.S. in Geology in 1976. Bill began his career in geology in 1974 with Getty Oil Company in Bakersfield and worked the San Joaquin and Sacramento Basins. In 1979, Bill joined Conoco Inc. and worked in Ventura, California; Casper, Wyoming; and Houston and Midland, Texas, in a variety of geological leadership positions until he was spirited away to Mobil Oil Corporation in Midland. But Bill couldn't be cajoled into another Houston assignment after the merger with Exxon,

so he consulted for H.L. Brown in Midland before landing his dream job in May 2000 with Yates Petroleum Corporation in Artesia, New Mexico.

Bill married Edith Ann Matchus Stanton in 1989 in Houston. Throughout his life, Bill's greatest joys came from his love of family and friends and his love of geology. He was a Certified Petroleum Geologist, an active member of the American Association of Petroleum Geologists, and always was willing to engage in lively geologic discussions. He enjoyed learning, conversations, and exploring the outdoors. He was an avid golfer, enjoyed poetry and music, and was a patriot in the truest sense of the word. He loved his country and actively participated in the democratic process.

He is survived by his wife, son, daughter, mother, brother, sister, and extended family and friends. Donations may be made to the American Association of Petroleum Geologists or the American Cancer Society.

—Excerpted from the Bakersfield Californian

DOROTHY LALONDE STOUT

Dorothy "Dottie" LaLonde Stout, an admired and revered leader in geoscience education, died peacefully at home in Whittier, California, among family on August 26, 2001, after a courageous year-long battle with brain cancer. She was an exemplary mentor in the geoscience community, her friends and colleagues describing her as "a remarkable person" and "incredible friend."

Born in 1941, Dottie Stout grew up in Ohio and studied at Bowling Green State University, receiving her Bachelor's degrees in geology and history. In graduate school at Bowling Green, she focused her Master's research on understanding the relationships between fossil marine epifauna of the Silurian.

After raising three daughters, Dottie went back to school to get her Ph.D. from Claremont Graduate School in California. Her dissertation, entitled "The Development of Geologic Knowledge and Education and its Applications in California before 1934," uniquely wove together oral history, education, and geology. This subject remained one of her main research interests throughout her career.

A dedicated mother, educator, historian, and scientist, Dottie began teaching part-time at El Camino College, Long Beach City College, and Cal State Fullerton in 1967, molding her schedule around her daughters. In 1974, when her youngest daughter entered elementary school, Dottie began her distinguished career as a professor of geosciences at Cypress College, where she was honored as the Orange County Community College Teacher of the Year in 1996. She also received the Robert Wallace Webb teaching award from the National Association of Geoscience Teachers (NAGT). In June of this year, she retired from Cypress after 26 years.

Dottie's contributions to the geoscience community over the past thirty years have been immense and her many accolades were well deserved. She helped create the Geological Society of America Geoscience Education Division and the national Coalition for Earth Science Education (CESE), and she organized the American Geophysical Union (AGU) Chapman Conference "Scrutiny of Undergraduate Geoscience Education" in 1994. Dottie received National Science Foundation (NSF) funding for two teacher-entitlement projects, Project Update Geoscience (PUG) and the Earth and Space Science Technological Education Project (ESSTEP). In 1990, as the first female president of NAGT, she established the NAGT James Shea Award to recognize excellence in geoscience writing. In 1999-2000, she worked at NSF as program director for



undergraduate earth-science education and helped create the Digital Library for Earth System Education (DLESE), an initiative that promises to transform teaching and learning at all grade levels across the geosciences.

In May of this year, Dottie was the recipient of AGU's "Excellence in Geophysical Education Award." She was only the fourth individual and first woman to receive this international prize, which acknowledged her sustained commitment to teaching geophysical education and her outstanding, long-lasting, and positive impact on geoscience education through her professional career. "She

served the geoscience community with vision, dedication, and boundless energy," said Ed Geary, her citationist at the AGU award ceremony. As prominent geologist Dr. Robert Ridky noted in 2001, "The range of Dottie's influence on geoscience education has been enormous. In her purposeful way, she has been the primary catalyst behind virtually all of the major initiatives advancing geoscience education during the past several decades."

No memorial for Dottie would be complete without mention of "Geology Goes Hollywood," a wonderful and funny video, developed with the help of her daughter Deborah, that depicts the influence of geoscience on our culture and society.

Dottie will be remembered for living life to its fullest, sharing her enthusiasm for exploring the earth, and—most importantly—for encouraging all people around her to do the same. She revealed the fantastic world of geology to her students and professional geologists by organizing and leading dozens of field trips. Her destinations included North America (the Colorado Plateau, Alaska, the Pacific Northwest, Glacier National Park), South America (Peru, Bolivia, Ecuador, the Galapagos, Argentina), Europe (Great Britain, Iceland, Norway, Yugoslavia, Italy, Switzerland, Greece), Asia (China, Indonesia, Kamchatka, Tibet, Nepal), Africa (Kenya, Egypt, Tanzania, South Africa), and Pacific islands (Hawaii, Australia, New Zealand).

Dorothy Stout is survived by three daughters, a grandson, and an extensive Ohio clan. So that her spirit, sense of adventure, and joy of teaching can continue to have a positive influence on the world, Dorothy's family has established The National Association of Geoscience Teachers' "Dorothy L. Stout Memorial Fund." For information about the fund, visit www.stellerphenomena.com.

—Compiled by Jann Vendetti, Edward Geary, and Peter Weigand

AAPG Service Award

AAPG has selected its Honors and Awards for 2002, and Pacific Section AAPG member **Don Clarke** is among the honorees. Don will receive the AAPG Distinguished Service Award for his contributions and service to the organization. The award will be presented at the 2002 AAPG Annual Meeting in Houston. Congratulations, Don, and thank you for your outstanding service!

AAPG Advisory Council

The AAPG Advisory Council advises the Executive Committee of AAPG on a variety of matters regarding the Association, including ethics and discipline, long-range planning, constitutional review, nominations for officers, and honors and awards. The Council is composed of elected members from the Association's domestic sections and international regions, as well as ex-officio members who serve as chairs.

Don Clarke has been elected to represent the Pacific Section on the Council following the departure of our previous Council representative, **Don Lewis**, who has assumed his new role as Vice President of AAPG. **Bob Countryman** served as a temporary representative during the transition period. The Pacific Section extends its thanks to both Dons and Bob for representing our Section on the Council.

West Coast Foraminifera Collection

When Chevron closed its domestic onshore exploration office in Houston in 1999, Robert Fleisher was able to persuade Chevron management to donate the West Coast foram material and supporting documents to museums and repositories for curating and safekeeping. Earl Brabb and other U. S. Geological Survey (USGS) volunteers—John Parker, Larry Dickerson (deceased), Bill West, and Bill Malmberg—agreed to make a preliminary sort of the material, to enter some of the information into a database, and to distribute the slides to appropriate repositories. An estimated 6,000 slides (18,000 samples) from test wells and surface localities were sent to the Alaska Geologic Materials Center in Eagle River (P.O. Box 772805, Eagle River, AK 99577-2805, telephone 907-696-0079). About 12,000 slides, reports, and locality maps for surface localities and wells from Washington and Oregon are being sent to the Burke Museum of Invertebrate Paleontology in Seattle (Burke Building, University of Washington, telephone 206-543-5949). The material is sufficient to locate and date the slides, but considerable work will be required to inventory and correlate the slides, locality maps, and reports.

The collection for California is immense and includes nearly 40,000 surface samples from 421 USGS 7.5' quadrangles extending from Crescent City to San Diego. Geologic maps, field notebooks, cross-sections, stratigraphic columns, correlation charts, foram check lists, reports on the age of the faunas, some nannoplankton slides and thin sections, petrographic reports, and information on porosity, permeability, and magnetic susceptibility are included in the material sent with the slides. The rest of the nearly 50,000 slides (150,000 samples) are from oil test wells, onshore and offshore, with slides from Kern County comprising the bulk of the material. The most

valuable information received with the slides is a record of the paleontology in a well plotted on an E-log. This information was used by Earl Brabb, Charles Powell II, and Thomas Brocher to summarize the stratigraphy in 1,554 wells from Monterey and San Benito Counties northward to the Oregon border (USGS Open File Report 01-152). All of the well slides have been given to the California Academy of Sciences, and the rest of the slides and the supporting materials will also eventually be put there.

The task of compiling the information into a database is enormous and is complicated by duplication of locality numbers in various Chevron offices, the change in numbers from a few digits and letters to Roman numerals, the eventual adoption of four- and five-digit numbers, and the absence of locality information on many of the slides. If any retired Chevron paleontologist is willing to answer questions about the California material, please contact **Earl Brabb** at ebrabb@earthlink.net.

Perhaps the items of most academic interest are more than 1,000 general reports on paleontology, stratigraphy, and petrology in the United States and a few other countries. Topics include the origin of dolomite, spores from Wyoming, ranges of Gulf Coast nannoplankton, silicoflagellate biostratigraphy, regional studies of the Eocene and Cretaceous, geochemical correlations, age determination by fish scales, and structural contour maps for basement rocks.

The Chevron collection appears to be the most extensive foram collection ever made public for the West Coast. This irreplaceable information will provide thesis projects and scientific reports for years to come.

—Earl Brabb, Geologist Emeritus, U.S. Geological Survey



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BITS & PIECES

PTTC Workshops

Upcoming workshops of the Petroleum Technology Transfer Council West Coast Resource Center will address petroleum economics and reservoir life extension. The workshops will be held in Santa Clarita and Los Angeles. For information, contact PTTC at 213-740-8076 or pttc@archie.usc.edu, or visit www.westcoastpttc.org.

November 20 Petroleum Economics
December 7 Reservoir Life Extension

SPE Courses

The San Joaquin Valley Section of the Society of Petroleum Engineers is sponsoring three courses in November. The courses will be taught by **W.R. "Bob" Porteous** (Porteous Engineering Limited) and will be held at the Courtyard by Marriott in Bakersfield. For course details, visit sjvspe.org. For registration information, contact **Min Chu** at 661-322-4031 or mchu@consvr.ca.gov.

November 7-9 Formation Damage
November 12-13 Fundamentals of Hydraulic Fracturing
November 14-16 Advanced Hydraulic Fracturing, Acidizing,
and New Stimulation Technologies

New Pacific Section AAPG Publication

GEOCHEMISTRY OF CALIFORNIA'S MAIN HYDROCARBON-PRODUCING BASINS

(This data was previously available only to subscribers of these studies.)

CD-ROM Series 1

Our first publication of geologic material on a CD-ROM is a collection of papers about the oil, gas, and source-rock investigations carried out in the San Joaquin, Santa Maria, Santa Barbara, Ventura, and Los Angeles basins in California. This collection of papers was written in the mid-to-late 1980s and in 1997 by staff members of Global Geochemistry Corporation. Dr. Ian R. Kaplan, professor of geochemistry at UCLA, headed the corporation. This CD includes ten chapters, each representing a different report. There are 4,600 pages of material.

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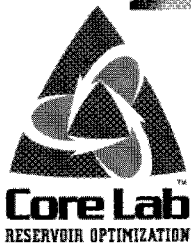
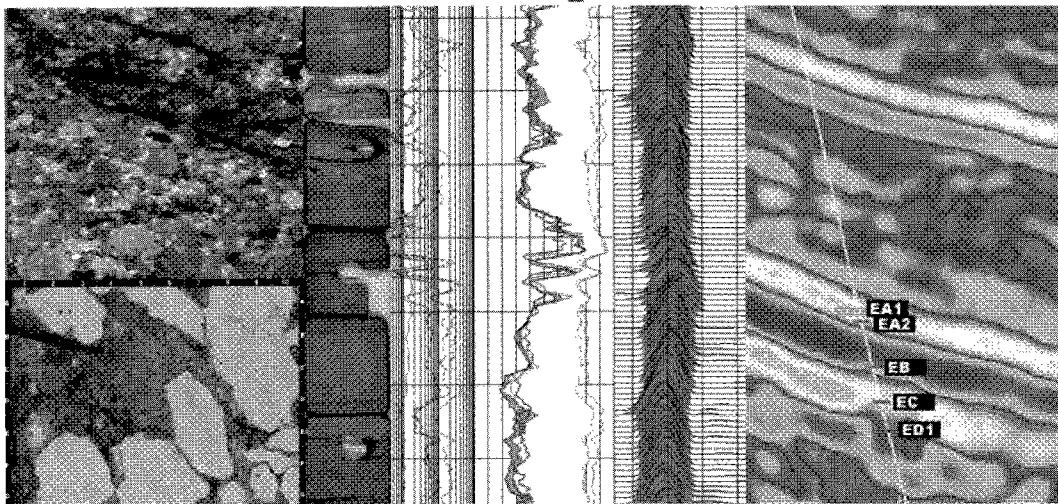
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**Deadline for the
January/February issue:
December 10, 2001**

Visit the Pacific Section AAPG
website:
www.psaapg.org

The *Pacific Petroleum Geologist Newsletter* is published bimonthly by the Pacific Section of the American Association of Petroleum Geologists.

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Pacific Petroleum Geologist Newsletter

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