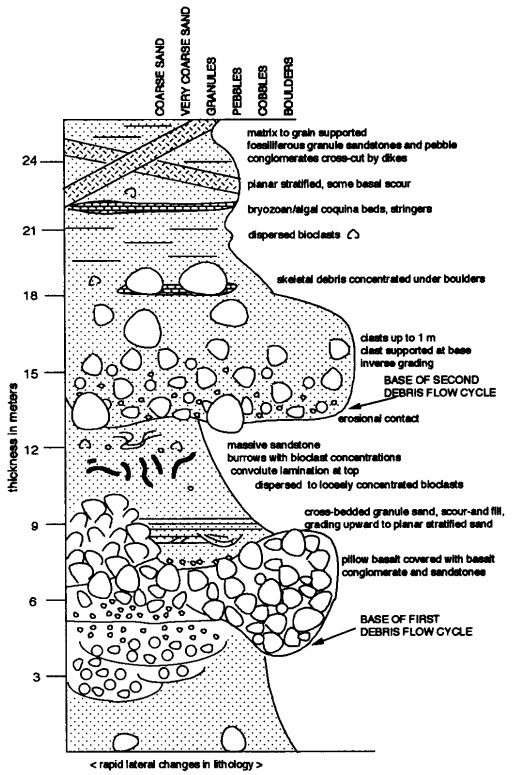
Pacific Sedimentologist

Newsletter of the Pacific Section, SEPM
(Society for Sedimentary Geology)
http://www.sci.sdsu.edu/pacsepm

Mario V. Caputo, Editor
Department of Earth Sciences
Mt. San Antonio College
1100 North Grand Avenue
Walnut, CA 91789



Representative vertical sequence of volcaniclastic sediments within the Yachats Basalt exposed beneath Heceta Head Lighthouse, central Oregon coast
(from Shroba, C. S., and Orr, W. N., 1995, Tertiary facies and paleoenvironments along the Coast Range and western Cascade margin, western Oregon, *in* Fritsche, A. E., ed., Cenozoic Paleogeography of the Western United States-II: Pacific Section, SEPM book 75, p. 257-273).

volume 77, issue 1 **March, 2005**

A MESSAGE FROM PRESIDENT, MORGAN SULLIVAN

Do You Know The Way To San Jose?

We have begun strong and what a year we have ahead of us! The first thing I would like to do is thank Phil Stoffer of the USGS for leading our Fall, 2004 field trip through the Santa Cruz Mountains. It was a great trip for all and true to Phil's promise, it included lots of arm waving and lively discussion.

As you may know, the upcoming joint meeting of the Pacific Sections, AAPG and SEPM and the Cordilleran Section of GSA will be held from Friday, April 29 to Sunday, May 1, 2005 in San Jose, California. Hopefully all of you already have these important dates on your calendar as this is going to be a fantastic sectional meeting. The convenience of a weekend meeting enables professionals from both academia and industry to get involved. Over 450 papers are going to be presented and SEPM is sponsoring 6 technically exciting sessions. There are 15 field trips scheduled for this meeting, and we are pleased to say that the Pacific Section SEPM will be publishing 10 of the 15 field guides in a 3-volume set edited by Cal Stevens (San Jose State University). Kenn Ehman (our Vice-President) and I are both on the technical committee for this meeting and, along with many others from AAPG and GSA, it has taken much of our free time over the last couple of months to help put this together. Without a doubt, it will be the largest West Coast meeting in several years and we hope to have a successful meeting enriched with field trips and short courses. One of the goals of this meeting is to get students more involved in the Pacific Section. We appear to have succeeded because one of the largest sessions will be the "Undergraduate Student Posters" with 27 presenters! In addition, there are many more graduate and undergraduate papers being presented in the other technical sessions.

We are also going to take advantage of the sectional meeting in April to acknowledge two individuals who have made significant contributions to the Pacific Section of SEPM over their careers. John Cooper will be presenting Honorary Membership in the Pacific Section of SEPM to Bill Bilodeau (California Lutheran University), and Stan Finney, (California State University, Long Beach). These awards will be given the first day of the conference at about 11:40 AM in the Crystal Room at the conclusion of the SEPM sponsored session (T22) "Beds to Basins in Turbidite Systems". I hope to see as many of our members in attendance to honor Bill and Stan for their important contribution to our Society and the geological community as a whole.

The last thing I would like to bring to your attention is the Pacific Section SEPM Fall, 2005 field trip, which will be held Saturday, October 29 and Sunday, October 30. For the last two years the Fall trip has been in northern California so this year we will be heading back south. We are especially fortunate this year to have Dr. Kirt Campion of ExxonMobil Upstream Research Company leading the trip. We will be visiting sea cliff exposures of marine strata in the Eocene Ardath and Scripps Formations in San Diego County and Miocene Capistrano Formation at San Clemente. Saturday night's camp will overlook San Clemente Beach. Kirt has led this trip on many occasions as part of ExxonMobil's California Field School. The trip should be most enjoyable and educational and so we expect a large turn out. Details will be posted on the web site and also in our next newsletter. I would urge members to sign up as soon as the announcement is posted.

The slate of officers for next year is being finalized. Dave Andersen from San Jose State University will be our next president. Dave has a long and distinguished career at the University and we are looking forward to him taking over officially as president after the fall field trip. I hope you know the way to San Jose!

Morgan D. Sullivan, President
California State University, Chico

A MESSAGE FROM VICE PRESIDENT, KENN EHMAN

"This groundwater basin needs a stratigrapher…"

Thoughts from an ex-oil patch stratigrapher working in the Groundwater Industry

Most all of the talented geologists whom I know and who apply stratigraphy in the environmental and groundwater resource industry came out of the oil patch. They learned the details of well-log correlation, seismic interpretation, sequence stratigraphy, and sedimentary facies analyses working for oil companies. As an example, I think of my colleagues at Lawrence Livermore National Laboratory who have been applying stratigraphic techniques to solve groundwater problems both at the main Livermore site and Site 300 up in the Altamont Hills east of Livermore. Charlie Noyes and John Ziagos came from Sohio (now BP), Vic Madrid came from Chevron, and Rick Blake came from Fleet Oil. If you are in the environmental or groundwater industry, I am sure you know someone that came from the oil patch. The big migration was in the mid- to late-1980s when many of the majors were downsizing. I actually came later, in 1994, from Exxon Production Research Company (EPRCo - now ExxonMobil Upstream Research Company). I left Exxon to take a position as Chief Geologist for Groundworks Environmental, Inc. in the San Francisco Bay Area. It turns out that one of the principals for Groundworks is Rick Cramer, who had come from Exxon in the late 1980s.

The environmental industry really got a huge boost from the influx of geologists from the oil patch. With these oil patch geologists came their expertise and their oil-company training, which has had direct application to solving groundwater problems. However, the problem for the groundwater industry at the present time is that the migration is over. I do not expect to see very many oil-company trained geologists moving into the environmental or groundwater resource industries anytime soon. With oil at record prices, oil companies are holding on to their geologists, and oil companies can offer starting salaries comparable with what mid to senior staff at environmental consulting companies receive. Of course, if you work for an oil company, you will probably end up in Houston, Texas. Let me think, where do I want to live, Texas or California? Hmmm, I guess it's a toss up. But, just imagine for a moment that if Houston, Texas was like San Francisco, or Seattle…just consider for a moment, if it wasn't for the Texas vs. California decision, we would have seen a lot fewer good geologists here on the west coast.

So where is the groundwater industry going to get good stratigraphers? I don't have the answer. I only hope that colleges and universities can provide the training in stratigraphy needed to solve the complex problems posed by the complex nature of our groundwater basins here in California and elsewhere. I was at EPRCo for over eight years, and there is no university (or other oil company for that matter) on the planet that can give the level of training and expertise in stratigraphy and applied geology that I gained at Exxon. Just be thankful that the west coast is a much nicer place to live compared to Houston, or else the west coast would not have a chance to get more oil-company trained stratigraphers in the groundwater industry.

Kenn D. Ehman, Vice President
Skyline Ridge, Inc.

The next meeting of affiliated Pacific Region societies...

2005 Pacific Section
AAPG-SEG-SEPM
Annual Meeting

Bay, Basins, Basement, and Beyond

Pacific Section | *Pacific Section* | *Cordilleran Section*

Technical Sessions
April 29 – May 1, 2005
San Jose, California

Supporting Organizations

Pacific Section American Association of Petroleum Geologist (PSAAPG)
Pacific Section Society of Sedimentary Geology (PSSEPM)
Pacific Section Society of Exploration Geophysicists
Cordilleran Section, Geological Society of America

Hosted by
San Jose State University

For information contact:

Mel Erskine
Pacific Section AAPG
mcerskine@attbi.com
(510) 234-6214

http://www.west.net/~psaapg/

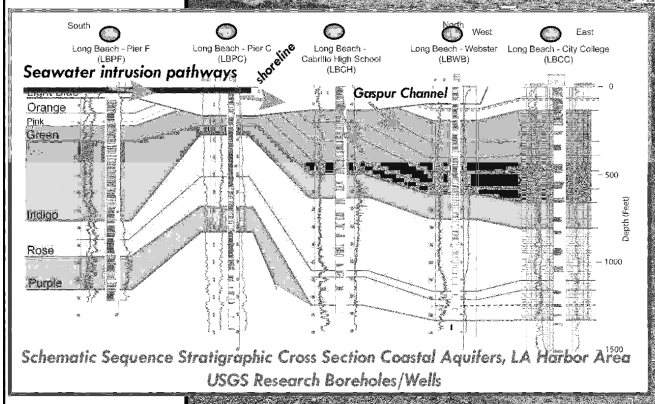
Short course offered by Pacific Section members in conjunction with the Joint Meeting in San Jose...

THE GEOLOGICAL SOCIETY OF AMERICA

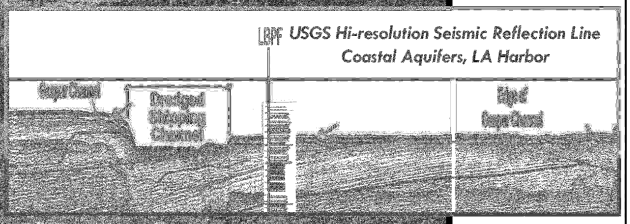
JOINT MEETING
101st Annual Meeting of the Cordilleran Section, GSA,
and 80th Annual Meeting of the Pacific Section, AAPG
Fairmont Hotel, San José, California
April 29 – May 1, 2005

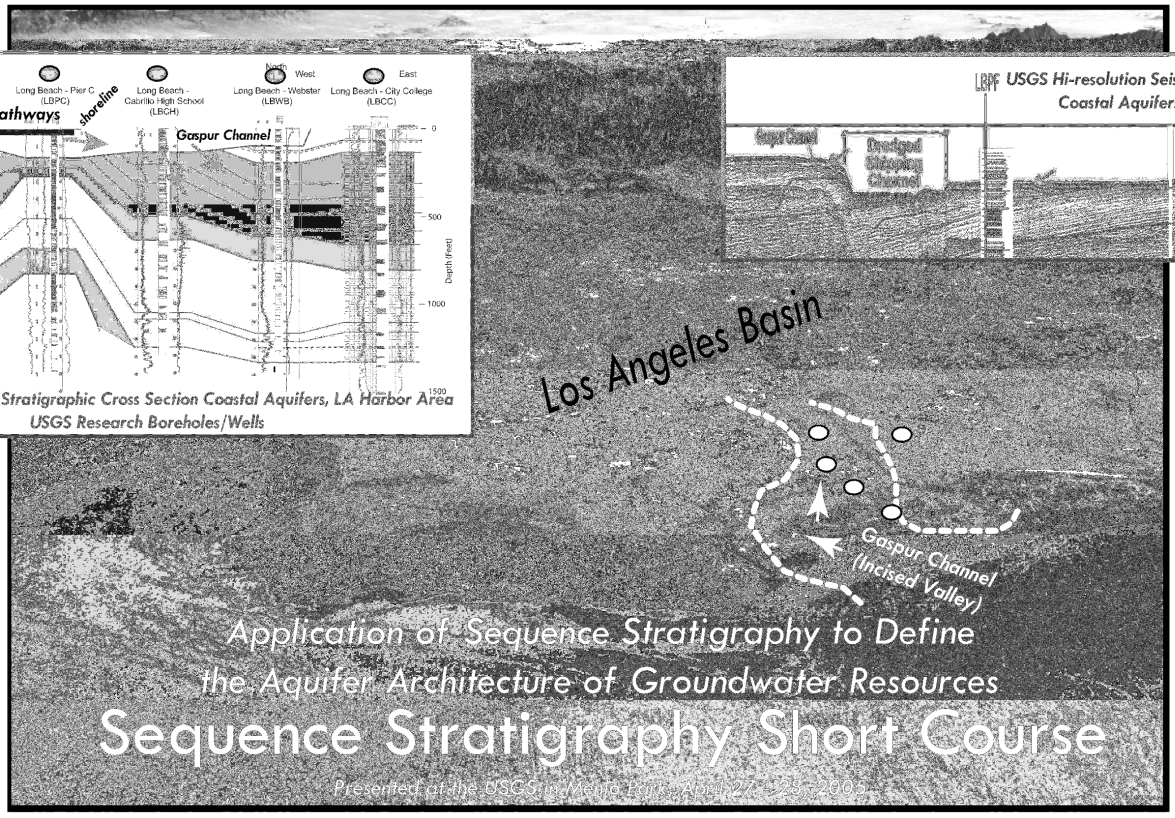
SEPM PACIFIC SECTION

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS PACIFIC SECTION 1923



Schematic Sequence Stratigraphic Cross Section Coastal Aquifers, LA Harbor Area
USGS Research Boreholes/Wells





Application of Sequence Stratigraphy to Define the Aquifer Architecture of Groundwater Resources

Sequence Stratigraphy Short Course

Presented at the USGS in Menlo Park, April 27-28, 2005

Instructors:
Kenn Ehman, Skyline Ridge, Inc.
Morgan Sullivan, CSUC
Brian Edwards, U. S. Geological Survey

USGS science for a changing world

For info and registration see:
http://www.geosociety.org/sectdiv/cord/05cdmtg.htm#sc

CALIFORNIA STATE UNIVERSITY, CHICO

Pacific Section confers Honorary Membership to distinguished members…

Periodically, the Pacific Section SEPM awards Honorary Membership to those active members who have demonstrated loyalty and commitment to the Society, and a record of service and achievement in the Society by holding office, leading field trips, offering short courses, planning conferences, editing guidebooks, and publishing papers. The Executive Committee has elected Stan Finney (California State University, Long Beach) and Bill Bilodeau (Cal Lutheran University) as the recipients of this award for 2005. The conferring of the honor will take place at the joint meeting of AAPG-SEPM-SEG-GSA in San Jose, April 29 - May 1, 2005. A special recognition ceremony has been planned for the end of SEPM technical session (T22), "Beds to Basins in Turbidite Systems," on Friday, April 29 at 11:40 a.m. in the Crystal Room of the Fairmont Hotel, the official site of the joint meeting. Morgan Sullivan will open the ceremony; John Cooper will be citationist for both candidates. If you plan on attending the conference, please join your fellow members in congratulating Stan and Bill at this session.

Past recipients of Honorary Membership in the Pacific Section, SEPM

Patrick Abbott	Thomas Dibblee, Jr.	Boris Laiming
Alvin Almgren	William Dickinson	Manley Natland
Stanley Beck	A. Eugene Fritsche	Edwin Stinemeyer, Jr.
G. C. "Butch" Brown	Donn Gorsline	Reinhard Suchsland
John Cooper	Stephan Graham	Helen Tappan-Loeblich
Clifford Church	Mason Hill	John Vedder
Ivan Colburn	James Ingle	Stanley Wissler
John Crowell	Robert Kleinpell	Alfred Woodford

Mark your calendars for the next PS-SEPM Fall Field Trip scheduled for October 29 – 30, 2005…

Sedimentology and Facies Architecture of Channelized Slope Systems: Eocene Ardath and Scripps Formations and Miocene Capistrano Formation, Southern California

Field Trip Leaders:
Kirt M. Campion – ExxonMobil Upstream Research Company
Anthony R. Sprague – ExxonMobil Upstream Research Company
Morgan D. Sullivan – California State University, Chico

Field Trip Overview:

The Pacific Section SEPM fall field trip will focus on the architecture, lithology, and distribution of facies within two different deep-water systems exposed at two localities in southern California. Both systems were deposited in continental slope environments. Middle Eocene strata in the Ardath and Scripps Formations near La Jolla, California were deposited in an upper slope environment within a relatively larger submarine canyon. In contrast, Miocene strata in the Capistrano Formation at San Clemente, California were deposited near the distal edge of a lower slope environment within a complex of relatively smaller channels. Channel sedimentation in both deep-water systems display a well-developed hierarchy of architectural units consisting of channel stories, channels, channel complexes, and channel complex sets. Lithofacies within these slope systems range from gravelly coarse-grained turbidites to muddy, low-concentration turbidites.

HIGHLIGHTS FROM THE PS-SEPM FALL FIELD TRIP, OCTOBER 8-10, 2004

Geology of the San Andreas Fault in the Santa Cruz Mountains

I would like to thank all the participants of last fall's Pacific Section SEPM field trip. I especially want to thank Will Elder and John Cooper for their help in planning the trip, for their discussions with me while preparing the trip, and for their review and comments on the field guide. Although I was largely distracted by hearing myself talk, I was delighted by the turnout of so many people, which was just about right. We had about 50 people at the beginning, and a couple of dozen diehards who stuck it out to the bitter end. I was especially delighted to see so many students and teachers (not that the "usual suspects" don't count!). Since the trip, I've received feedback, mostly positive and some otherwise. Both contribute to the learning process and to making improvements for future trips. If I were to run the trip again, I would visit the localities of Day 2 first, given that there are typically more participants on the first day of field conferences, and because there is more opportunity for putting hands-on-rocks relative to the localities visited on Day 1. The outcrops in the forested areas of the Santa Cruz Mountains are not everywhere easily visible or accessible. Incidentally, I turned a few shades of pale when I saw the steep hill that campers had to ascend to get to their campsites at Sanborn Park. However, after a few toasts and libations next to the campfire at night, no one seemed to mind.

Leading this field trip has taught me that even though I have looked at something, like an outcrop, repeatedly for months, when I invite peers along, I'm bound to see and learn something new, and at times deal with the "missiles" hurled at my wall of preconceived ideas about the rocks observed. Arguments make things lively and interesting, and certainly more fun for the trip participants. Risking shame and embarrassment is worth it. So I say to my field trip audience, "…go ahead and shout out your ideas and see where the boulders fall. I can always coil under a rock later!"

Speaking of coiling, with so many folks in the field, I was surprised that the group did not encounter more rattlesnakes. I believe that Will Elder and Kathleen Burnham had a brush with a little one while poking around for fossils in upper Stevens Creek at the end of Day 1. My favorite moments on the trip include sitting on the hillside at the Los Trancos Preserve with a distant view of San Francisco Bay at the end of Day 1, and watching everyone scour the exposures of the Franciscan Formation in Limekiln Creek during the morning of Day 2. Up at the Loma Prieta summit area, I learned a lot hearing observations about the weathering of serpentinite and the paleontology of the Cretaceous deep water deposits. The latter makes me wonder what we might learn about megatsunamis.

In closing, I'll take credit for the exceptionally beautiful weather. Indeed, the bottom side of my favorite rock on Castle Rock Ridge has some great crossbedding in it. Cheers!

Phil Stoffer
Western Earth Surface Processes Team
U.S. Geological Survey

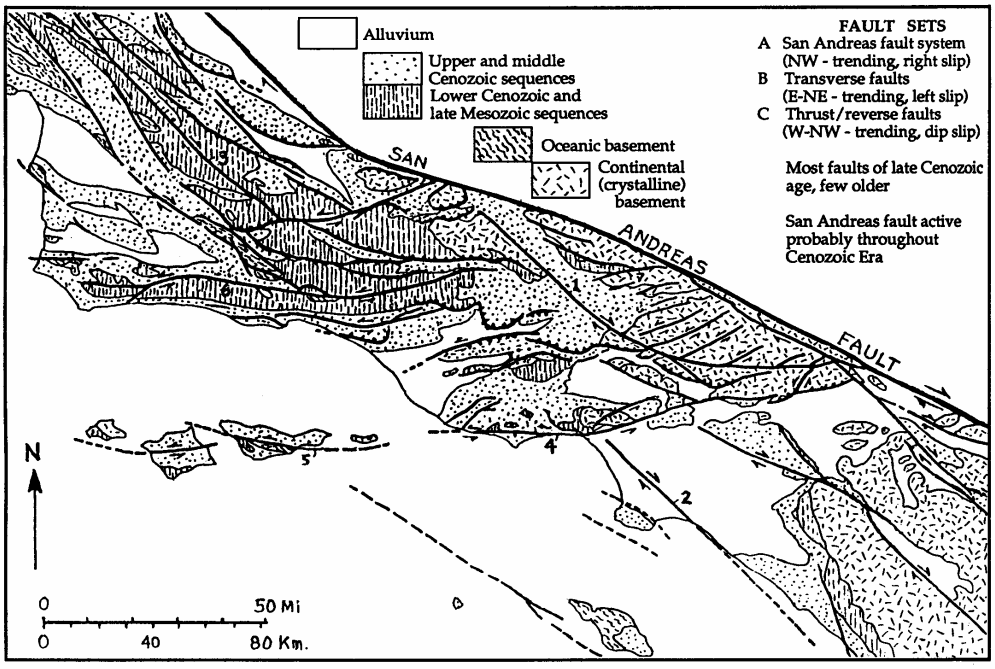
THE COAST GEOLOGICAL SOCIETY CELEBRATED THE LIFE OF THOMAS W. DIBBLEE Jr.

As most of you know, colleague and mapping legend, Thomas Wilson Dibblee, Jr., passed away in his sleep in the afternoon, Wednesday, November 17, 2004 in Santa Barbara, California. Funeral services were held at the Mission Church in Santa Barbara on Tuesday, November 23, 2004. He was 93 years old and led a long, full, fruitful life. Tom was an honorary member of Pacific Section SEPM.

Tom will be missed certainly but instead of mourning his passing, family and friends celebrated his life and gave tribute to his geological career at a meeting of the Coast Geological Society on Tuesday, March 15, 2005. The event was centered around a video of Tom followed by a presentation of his life through still pictures. After the pictorial history, colleagues and friends shared memorable experiences through slides, and reminisced how Tom influenced their lives and careers. Other images that captured Tom's essence were on display around the meeting room. Also displayed were Tom's collection of Loretta Gourds and marble, and, of course, the cast of a human head on which Tom kept his famous San Andreas necktie. Tom will be remembered amusingly for keeping that necktie on the head-cast, tied and ready to wear when he needed it. One of Tom's last wishes was to have his ideas on the formation of the Los Angeles Basin organized and published. Toward that wish on the Sunday before he died, some of his colleagues worked with him to prepare a manuscript.

The March 15th celebration of Tom Dibblee's life also served to promote the circulation of his geologic work that had been stored in his extensive library for decades. Toward that goal, there was a silent auctioning of some of Tom's rare and hard-to-find maps and reports. The proceeds of the auction benefited the Thomas Wilson Dibblee, Jr. Geological Foundation.

modified from the original written by
Wilson Dibblee Hoyt and others who knew Tom



Generalized geologic map of coastal southern California region (from Dibblee, T. W., Jr., 1995, Tectonic and depositional environment of the middle and upper Cenozoic sequences of the coastal southern California region, *in* Fritsche, A. E., ed., Cenozoic Paleogeography of the Western United States – II: Pacific section SEPM, book 75, p. 212-245).

THOMAS W. DIBBLEE, Jr.

-A Brief Biography-

For over 70 years, Thomas Wilson Dibblee, Jr. created a legacy through his maps and reports on the geology of California. His insights on regional lithology, stratigraphy, structure, and paleontology have been integral in understanding the geologic history of the state. And his mapping of one quarter of the state of California is a monumental achievement, one that is matched by few field geologists.

Tom Dibblee has Spanish and English ancestry and a family history that is embodied in the rich history of California itself. An English ancestor, Ebenezer Dibblee, emigrated to Massachusetts in 1635. His later descendants journeyed to California in 1859. Tom's father, Thomas Wilson Dibblee, and mother, Anita Oreña, were both related to one Captain Jose Antonio De la Guerra y Noriega, who was Commandante of the Presidio at Santa Barbara and Resident General of Upper and Lower California in the early 1800s. Born in 1911, Tom was the first of four children and was raised on the 20,000-acre Rancho San Julian, lying west of Santa Barbara. The Rancho was part of the original 1837 Mexican land grant given to Captain De la Guerra.

Having taken a class in geology at the University of California, Berkeley, Tom's father recognized anticlinal structures on Rancho San Julian, so he hired consulting geologist Harry R. Johnson to map the ranch for oil potential. At high school age, Tom accompanied Johnson in mapping the ranch and this experience initiated his lifelong career in geology. Studying geology with professors Siemond W. Muller, Austin Flint Rogers, C.F. Tolman, Hubert G. Schenck, and Aaron Waters at Stanford University sharpened his field skills. One of his fellow students, Ben Page, remarked that "he (Tom) reveled in geology and established his legendary reputation for roaming harsh country with the greatest of ease on his own two feet. Moreover, he understood most of what he saw..." Upon graduation from Stanford in 1936, Tom's first job assignment was with Olaf P. Jenkins in the inventorying of mercury deposits for the California Division of Mines and Geology. On his own time, he later authored several reports on the geology of Santa Barbara County and the central Santa Ynez Mountains, and mapped several quadrangles, including Saltdale, Breckenridge Mountain, Fremont Peak, and Opal Mountain; all were published by the California Division of Mines and Geology.

After working a year for Union Oil Company, Tom was hired by Harold Hoots for Richfield Oil Company (later to be known as ARCO) in 1937. Tom's geologic mapping from 1937 to 1952 resulted in the discovery of major oil fields for Richfield. During this time period, his mapped areas included the Temblor, Caliente, San Emigdio, southern Diablo, and Santa Cruz Mountains; the Cuyama, Salinas, and Imperial Valleys; the Carrizo Plain and Eel River areas; and areas in western Oregon and Washington.

By 1952, Tom had mapped nearly all sedimentary basins with petroleum potential in California. He mapped often in remote places; camping with enough food and water for a week, and sleeping at night in the shelter of his car. Leaving one car door open, he would make a bed on the car seat by extending a board on which to rest his legs. Camping like this enabled him to cover a lot of ground at little expense. While working at the Richfield office in Bakersfield, Tom met Loretta Escabosa, who was secretary of the exploration department there, and married her in 1949. She remained his devoted wife until she died in 2001.

Tom collaborated on multiple geologic projects with the late Mason L. Hill. One notable collaboration was their 1953 paper, "San Andreas, Garlock and Big Pine Faults, California: A Study of the Character, History and Tectonic Significance of Their Displacement." In the paper, they proposed lateral movement along the San Andreas fault zone of more than 350 miles, a discovery that was fundamental to the developing theory of plate tectonics at the time.

In the early 1950s, Tom accepted a position with U. S. Geological Survey to work on the Mojave Project and evaluate known and potential deposits of boron needed for rocket fuel. By the time the project was completed in 1967, Tom had mapped several quadrangles and completed the USGS Professional Paper 522, "Geology of the Western Mojave Desert."

Tom moved to Menlo Park, CA in 1967. There the USGS assigned him to a project dealing with the San Andreas Fault for the National Earthquake Research Branch. His field studies helped define the geologic character of the Transverse and Coast Ranges from the Coachella Valley to San Francisco Bay, and resulted in a host of geologic maps, professional papers, and open-file reports. Tom retired from the USGS in 1977 and returned to Santa Barbara, but he did not retire from making geologic maps. In fact, for the next several years, Tom volunteered to make over 100 maps of the Los Padres National Forest and the Santa Monica Mountains for the U. S. Forest Service.

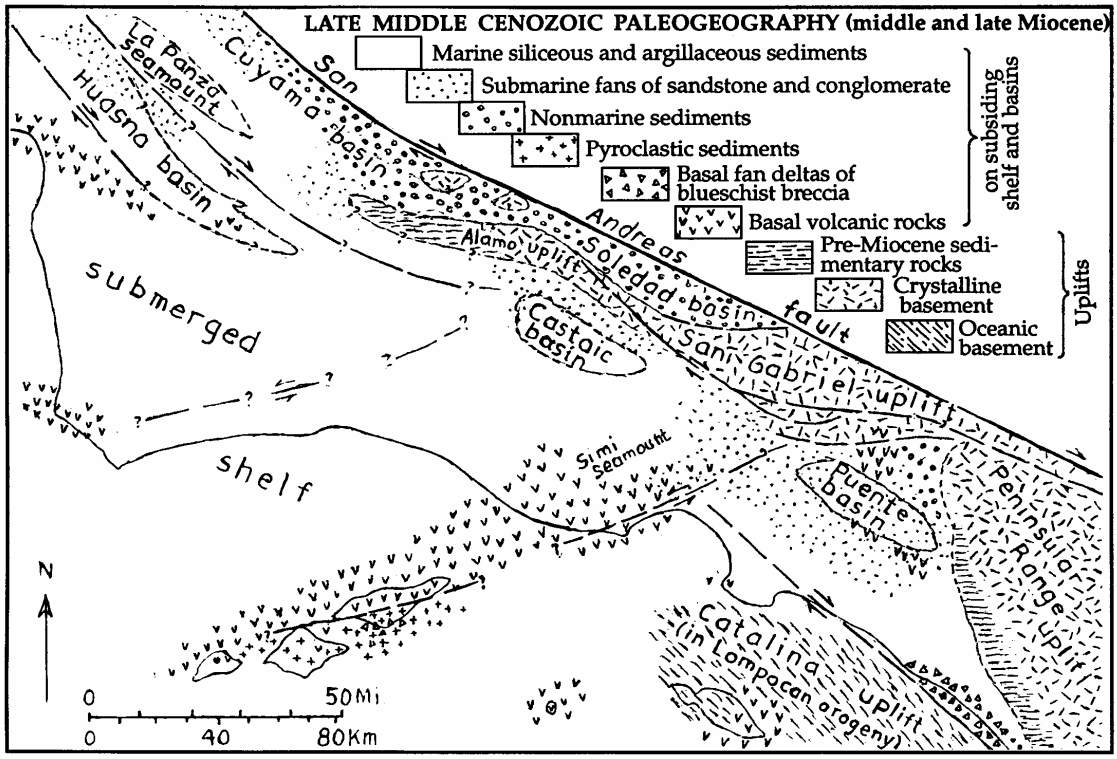
In recognition of his inestimably tremendous contribution to understanding the geologic nature of California, Tom was given the Distinguished Service Award by the USGS in 1967, the Human Needs Award by the American Association of Petroleum Geologists in 1981, and the Presidential Volunteer Action Award from

President Reagan in 1983. Tom was so respected and admired by his colleagues that they established The Thomas Wilson Dibblee, Jr. Geological Foundation (referred informally as the Dibblee Foundation), a non-profit organization dedicated to the promotion and preservation of Tom's work for its scientific and educational merit. In 2002, the Foundation became a supporting organization for the Santa Barbara Natural History Museum, and has since then published more than 150 different quadrangle maps at a scale of 1:24:000.

Further honoring Tom and his remarkable mapping achievements, the Dibblee Foundation created the Dibblee Medal. Made of sterling silver, it is a double-side medal that bears the likeness of Tom Dibblee on one side and a geologic map of California on the other side. It was first presented to Tom and later to a dozen other prolific masters of geologic mapping.

Tom remained deeply involved with the producing, editing, and publishing of his maps until his 93rd birthday, which was in October, 2004. He certainly exceeded his lifetime goal of providing the geoscience community with ground-proven geologic information through his maps and reports. His history of field work is a lasting monument to the making of geologic maps, a skill so essential to geology. His work in California will be forever sought and referenced by future generations of geologists.

modified from the original written by the late Dottie Stout

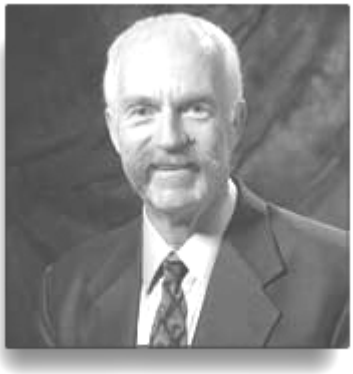


Inferred paleogeography in late medial Miocene time (late Saucesian-Relizian-Luisian-Mohnian-Delmontian Stages) with respect to present coastline after Lompocan orogeny during possible clockwise rotation of western Transverse Range block (from Dibblee, T. W., Jr., 1995, Tectonic and depositional environment of the middle and upper Cenozoic sequences of the coastal southern California region, *in* Fritsche, A. E., ed., Cenozoic Paleogeography of the Western United States – II: Pacific section SEPM, book 75, p. 212-245).

Call for Papers

SEPM Special Volume - Patrick L. Abbott

In Honor of his Contributions to the Earth Sciences and his Dedication to Pacific Section SEPM



DR. PATRICK L. ABBOTT

USING STRATIGRAPHY AND SEDIMENTOLOGY TO UNDERSTAND THE TECTONICS OF THE SW CORDILLERA: A VOLUME IN HONOR OF PATRICK L. ABBOTT

Suggestions to Authors

- **Manuscripts will be evaluated for potential publication by at least two anonymous reviewers.**
- **Potential authors should submit a tentative title and brief description of purpose of paper no later than June 1, 2005.**
- **Review ready manuscripts must be submitted no later than September 1, 2005.**
- **All reviews will be returned to authors for final revision by December 1, 2005.**
- **Final camera ready manuscripts should be submitted by January 1, 2006.**
- **The tentative date of publication is February, 2006.**
- **If you are interested in submitting a manuscript, please contact either Gary H. Girty or John D. Cooper**

A PLEA FOR SUPPORT FROM THE SAN JOAQUIN GEOLOGICAL SOCIETY

Many of you know Larry Knauer. He is a geologist with ChevronTexaco in Bakersfield, and is a prominently involved member in the Pacific Section AAPG. A tragedy has befallen him and his family. His 20-year-old daughter, Nicole, a junior at the University of California at Davis, has been dealing with an undiagnosed blood disorder for the last seven months. On February 5, 2005, she experienced severe pain in her legs. Consequently, in an emergency effort to save her life and forestall further tissue deterioration, her right leg was amputated. The cause of the tissue decay is uncertain but it has severely affected both arms and left leg, which may be no longer usable. Her condition has been stabilized somewhat at the UC Davis Medical Center. She has been heavily sedated for weeks.

I am writing this plea for spiritual and moral support for Nicole and her family so: that doctors are able to make a positive diagnosis of her unknown medical condition and initiate treatment to prevent further harm to her body; that Nicole is able to recover the use of her arms and left leg; that her parents, through strength and courage, are able to support one another and their daughters; that God will bring comfort to all of them.

Please send any encouragement and hope to Nicole and her family through her parents at the following address:

Nicole Knauer
417 Alvarado Ave
Davis, CA 95616

You can also log on to www.myspace.com and leave a message of encouragement for her. (UserID: rfairman@bak.rr.com; Password: getwell). This is her space but it can be accessed and posted on by anyone who logs in with the above password and UserID. On this site, you can post messages to her and receive updates on her condition from her parents. To do this, select “View all Blog Entries “ then “Post New Blog.” My sincere prayer and hope are that she awakens to see an outpouring of love. Please share this with all that would join to lift up Nicole and her family. The Knauer Family Benefit Fund, account # 7142022248, has been set up at Wells Fargo Bank by Larry’s colleagues and friends.

The Knauer Family is :

Larry Knauer – Father – Geologist at ChevronTexaco
Nancy Knauer - Mother – Teacher at Reagan Elementary School
Nicole - Former Stockdale High School cheerleader; gymnast at American Academy of Gymnastic and Stars Gymnastics Training Center
Ashley Knauer – Sister - Senior at Stockdale High School

Rob Fairman
Aera Energy LLC

PACIFIC SECTION-SEPM
MEMBERSHIP INFORMATION

The Pacific Section SEPM has grown to become an international society with more than 600 members; attracting students and working professionals from the United States, mainly from California and other Pacific states including Hawaii and Alaska, and from Canada, Europe, Asia, and South America. Help maintain the vitality of the Pacific Section, SEPM by renewing your membership and recruiting new members, especially undergraduate and graduate students majoring in the geosciences. Please distribute copies of the membership form **(provided on the next page)** to colleagues and students who have an interest in sedimentary geology. The form is available also on the PS-SEPM website.

The year printed to the right of your name on the address label of the newsletter indicates the year up to which you have paid membership dues. If the year is 2004 or older, please remit dues in the category of your choice, either a 1 year membership for students or a 1- or 3-year membership for professionals. A **Lifetime Membership** is now available for a one-time dues payment. See schedule below for age and payment categories. Honorary and Lifetime Members (indicated by the abbreviations, Hon and Life, respectively, on mailing labels) are permanent members of the Society; they are exempt, of course, from further dues payments. Please send your membership application or renewal to:

John D. Cooper
Department of Geological Sciences
California State University, Fullerton
Fullerton CA 92834-6850

PLEASE UPDATE YOUR EMAIL ADDRESS WHEN YOU RENEW.

Membership Dues

Regular membership dues:
$ 7.50 for a 1-year professional membership
$20.00 for a 3-year professional membership
$ 5.00 for a 1-year student membership

NEW! **Lifetime membership dues:**
$150.00 for age group 20-40 years
$100.00 for age group 40-60 years
$ 50.00 for age group 60 years and older

Good Reasons for Joining the Pacific Section SEPM

- The Pacific Section SEPM is one of the premier geological societies of western North America.
- Members benefit from discounts on superbly done field-trip guidebooks and special publications that address sedimentologic and stratigraphic aspects of the Pacific region of the United States.
- Your membership dues sustain the Society by helping defray costs of publications. They further help support the operation of the California Well Data Repository (for borehole logs, cores, cuttings, microfossils, and other data) in Bakersfield, California.
- A **Society Website** provides up-to-date information on officers and other members, field trips and conferences, short courses, publications, and job openings**:**

http://www.sci.sdsu.edu/pacsepm

BOOKMARK THE ABOVE WEB ADDRESS FOR QUICK AND READY REFERENCE

- **Society Newsletter, *Pacific Sedimentologist,*** distributed quarterly to members by email and surface mail. It features news and events such as field trips and conferences that are planned throughout the calendar year. Please share any information pertinent to the Society by sending it to **Mario V. Caputo, Newsletter Editor at mvcaputo@earthlink.net.**

Pacific Section – SEPM (Society for Sedimentary Geology)
Membership Form, 2005

Renew ☐ New Member ☐

Last Name	First Name	Middle Name or Initial

Preferred Mailing Address (fill-out either Business or Home)			
Business	Company or Teaching Institution		
	Street or P. O. Box #		
	City	State	Postal Code
Home	Street or P. O. Box #		
	City	State	Postal Code

Telephone	
Business	
Home	
FAX	

Email Address

Employment	
Employer Name	
Job Title	

Education	
Highest Degree Earned	
Year Earned	
Institution	
Specialization	

State Certifications/Registrations

Regular Memberships (check ✓ one)	1-year professional	$ 7.50	
	3-year professional	$20.00	
	1-year student	$ 5.00	
Lifetime Memberships (check ✓ age group)	20-40 years old	$150.00	
	40-60 years old	$100.00	
	60 years old and older	$ 50.00	

Make check payable to "Pacific Section, SEPM," and send to:

John D. Cooper
PS-SEPM Treasurer
Department of Geological Sciences
CSU Fullerton
Fullerton, CA 92834-6850

PLEASE HELP INCREASE MEMBERSHIP IN THE PACIFIC SECTION – SEPM.
COPY THIS FORM AND GIVE IT TO STUDENTS AND COLLEAGUES WHO SHARE AN INTEREST IN SEDIMENTOLOGY.

EXECUTIVE COMMITTEE 2005

PACIFIC SECTION, SEPM (Society for Sedimentary Geology)

President:
Morgan D. Sullivan
Department of Geological
and Environmental Sciences
California State University, Chico
Chico, CA 95929
mdsullivan@csuchico.edu

Vice President
Kenn D. Ehman
President, Chief Geologist
Skyline Ridge, Inc.
P. O. Box 150
Los Gatos, CA 95031
kdehman@aol.com

President Elect
David W. Andersen
Department of Geology
San Jose State University
San Jose, CA 95192
voice: (408) 924-5014
FAX: 924-5053
andersen@geosun.sjsu.edu

Treasurer/Managing Editor:
John D. Cooper
Department of Geological Sciences
California State University, Fullerton
Fullerton, CA 92834
voice: (714) 278-2662
FAX: (714) 278-7266
jcooper@fullerton.edu

Secretary/Newsletter Editor:
Mario V. Caputo
Department of Earth Sciences
Mt. San Antonio College
1100 North Grand Avenue
Walnut, CA 91789
voice: (909) 594-5611 x4439
mvcaputo@earthlink.net

Webmaster:
Gary H. Girty
Department of Geological Sciences
San Diego State University
San Diego, CA 92182
voice: (619) 594-2552
FAX: (619) 594-4372
ggirty@geology.sdsu.edu