

PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 4

January 1950

No. 1

ASSOCIATION ACTIVITIES

L. A. LUNCHEON

The first of the monthly luncheon meetings under the regime of new officers was held at the Rodger Young Auditorium on December 8th.

After Milt Lewis dried the cold sweat on his brow (caused by the thought of someone being seated at the table without Milt having sold a \$1.90 ticket) the luncheon proceeded amiably through salad, swiss steak with trimmings and a whipped cream topped pudding.

Rollin Eckis gave a most enjoyable travelogue of Alaska with the interest of everyone being captured by an oil seep that looked like Niagra Falls and an especially fetching shot of Los Angeles area Eskimos.

Pictures from the areas east and west of Umiat showed difficulties encountered in drilling and numerous questions were answered in connection with the foundation for rigs in permafrost. A unique feature discussed was the installation of refrigeration equipment around surface casing to prevent hot mud return from thawing the permafrost and thus destroying the firm foundation for the derrick.

A well deserved, unanimous vote of thanks to the officers and their assistants of last year was given to close the meeting and everyone scurried into the rain to try and find some oil.

DISTINGUISHED LECTURER

Mr. R. M. (Max) Leggette will speak before the Pacific Section societies during the period January 19th - 23rd. Mr. Leggette's subject is "Elements of Ground Water Hydrology", a subject on which he is an outstanding authority.

Max Leggette received his doctorate from the University of Chicago where he was, in addition to being a leader in geological activities, a football star. He was a practicing ground water geologist with the U. S. Geological Survey for over twenty years, and during the last war he served as a Major in the Army in water supply and sanitation work for large areas in Algeria and Morocco. Recently he has been active as a consultant with offices in New York City. He has contributed extensively to the science of groundwater hydrology and sedimentary geology.

A large audience undoubtedly awaits "Max" at each stop on his itinerary while visiting the Pacific Section.

COAST SOCIETY

The Coast Geological Society held its December meeting recently at the Barbara Hotel. William Booth, consulting geophysicist, spoke on "The Magnetometer and its Geologic Interpretation." Cmdr. Louis J. Kulot, Inspector of Naval Reserves, showed a U.S. Navy motion picture entitled "Alaskan Oil Operation."

Twenty couples pronounced as a complete success the first dinner-dance of the Coast Geological Society, held on December 16th at the Mar Monte Hotel in Santa Barbara. You may prescribe your own dose of salt to be taken with the remark of the manager, to the effect that the Society was the best behaved crowd he'd ever had.

SALINAS VALLEY SOCIETY

A meeting of the Salinas Valley Geological Society was held at the Paso Robles Inn Tuesday, December 20th. Many visitors from Santa Barbara, Ventura, Los Angeles, Bakersfield, San Francisco, and Orcutt enjoyed smorgasbord (Paso Robles Inn variety) and engaged in a very interesting round table discussion of The Salinas Valley. Conversation was guided by Jim Douglas toward two important questions: (1) Can the Salinas Valley produce high gravity oils? and (2) What is the best method of study to solve stratigraphic problems, such as sand permeability. Charlie Manlove was questioned on possible analagous conditions in the Santa Maria basin, and Harry Campbell added interesting comments on the general geologic picture. Attempt was made to delineate areas of promise from those not so attractive, on the basis of concentration of exploration effort, absence of source beds, and outcrop of producing horizons. After adjournment to the bar where "one for the road" was inhaled, members and visitors departed to digest both the smorgasbord and the discussion.

FORUM

The regular December meeting of the Geological Forum was held at the Edison Auditorium on Monday the 19th. Joe Hatheway served as chairman.

Mr. E. C. Babson, engineer for Union, presented an absorbing paper on Reservoir Performance in which he discussed the factors which influence if not govern selection of methods in reservoir drainage for highest percent recovery. He discussed the need for determining whether an oil field is the depletion type, a gravity drainage pool, and/or a water drive accumulation. Hard and fast methods of well completion should not be adopted until this information can be determined. The use of a mobility factor, which is a function of permeability of the reservoir rock and viscosity of the oil, aids the engineer in determining the most efficient rate of production, and in solving gas injection problems.

President (Bill) Pemberton offered Colombian oil fields to any company prepared to put the people of Colombia on a substantial pension; however, the personnel of that luckless company must be prepared to dodge poisoned arrows in an expert manner.

BAKERSFIELD SCOUT PARTY

The long awaited annual Yule-Season get-together sponsored by the Central Valley Scouting Association was held at the El Tejon, Friday evening, December 16th.

The clink of ice in glasses punctuated sober conversation as the swab was run to determine "how much sand". A table loaded with salads, cold cuts, vegetables, etc, supplied the solid type of nutrient. As the evening progressed the conversations gradually changed from an interested "I like that basement high in Section 12" or "Do you think they were high enough on structure?" to an intense, "I raise---the price of poker, gentlemen, is one dollar and a half" or "Snake eyes - pick up the money". Gradually the din subsided to a roar and individuals looking downcast and broke, happy and lucky, or just plain happy adjourned to await next years party.

EXECUTIVE COMMITTEE, PACIFIC SECTION
AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

J. R. Pemberton	President
Arthur S. Huey	Vice-President
Milton W. Lewis	Secretary-Treasurer
Clifton W. Johnson	Past-President
John T. Isberg	San Joaquin Representative

PACIFIC PETROLEUM GEOLOGIST

Published monthly by the Pacific Section, American Association of Petroleum Geologists. Address communications to the Pacific Petroleum Geologist, Room 932, 714 West Olympic Blvd., Los Angeles 15.

Editor: John Loofbourov
Assistant Editors: Ted Bear
Sam Stewart

Department Editors:
Activities: Robert Maynard
Personal Items: Richard Ballantyne
Selected Bibliography: Jack Tomkins
Calendar: J. Douglas Traxler
Cartoonist: Harold Sullwold
San Joaquin Representative: Everett Pease
San Francisco Representative:
Coast Representative: Robert H. Paschall

Next deadline February 7, 1950

PERSONAL ITEMS.

Dan Nolan of the Capital Company received an early Christmas package on December 14th when his wife presented him a new daughter -- Kathy is the name.

Mr. and Mrs. Lloyd A. Lewis announce a new daughter born December 12, 1949. This makes two girls for the Lewis family.

Bill Merrill will soon be adding another room to his Ojai abode. Another boy, Glenn Sherman, arrived December 4, 1949.

Did you know that Joe Hudson of the Humble worked at Santa Fe Springs for the General Petroleum in 1930?

Manley (Security bit) Natland is studying for his doctor's degree at UCLA.

Tex Leverett has resigned his position with the Superior Oil Company in Bakersfield to accept a position as scout for the Union Oil Company at Santa Paula.

The geological staff of the Shell Oil Company in Ventura is being moved to separate offices. The company is remodeling a private home which has had most of the bars removed from the windows.

Richard Stewart, UCLA 1949, is now with the geological department of the Union Oil Company.

C. D. "Chuck" Edwards has recently been transferred from the Durango, Colorado office to the Los Angeles office of the General Petroleum Corporation.

E. C. "Eddie" Edwards has moved his offices from Laguna Beach to his new home at 255 Evening Canyon Road, Corona del Mar.

What misguided "Cal" men recently played upon the patriotism of a certain Ohio (Oil Company) official to negotiate wagering agreements which thereby led to their financial discomfort?

The Central California Scouting Association recently elected the following officers: Ralph Brodek - chairman; Barney Lindsey - Secretary-Treasurer; Bob Rist - Chairman of the Executive Board.

Jack Beach recently winged his way to Mexico City, presumably on business although it sounds like a fine way to have a mid-winter vacation.

Ed Wolf of Superior Oil Company has been transferred from Paso Robles to Bakersfield.

Jack Oney became the newest bridegroom in the valley area when Miss Carla Platzek of Taft became his bride on December 3.

Bill Kleinpell managed to be in Texas in time to see the Notre Dame-S.M.U. game. Nice work if you can get it!

Page Richardson, a recent UCLA graduate, has accepted a position with the Tide Water Associated Oil Company in Caspar, Wyoming.

Ted Easton, consultant; Mase Hill and Chet Baker, Richfield; Bill Whitley, General Petroleum; and Bob Maynard, Barnsdall were among the entries at the recent Southern San Joaquin Valley Tennis Tournament held in Bakersfield.

Paul McGovney, Honolulu Oil Company, recently headed north for a well deserved vacation.

Bill Murphy, Vic Heinzerling and Lee Faust were hosts to about forty Los Angeles geologists and scouts and their respective secretaries on December 19th for Christmas luncheon at the Clark Hotel. Frank Carter walked away with top honors, as usual, for his entertaining stories.

Your confidential reporter has heard many rumors and contradictory statements regarding a recent hunting incident and presents Hank Neel's version herewith:

"Mr. Bill Thomas of the Shell Oil Company in Ventura is now a candidate for the Order of the Purple Heart. Mr. Thomas was wounded in action on the first day of duck season at McGrath Lake near Ventura. The position of the wound might lead some people to believe that Bill was in retreat at the time the shot was fired. However, as a witness to the action I can testify that this was not the case. Bill was actually bending over to pick up a duck which he had just shot. Bill's reaction to the wound was immediate and violent, however, an examination revealed no blood and the conclusion must be reached that it was more insult than injury."

Dick Ballantyne recently took a party of forty UCLA seniors on a field trip covering oil fields on the Inglewood-Newport trend. It is reported that not more than ten students were asleep at any one time.

Richfield Oil Corporation has announced the following changes: A new position, Asst. Chief Geologist, has been created which is filled by Mason Hill. The Coastal and Santa Maria Division has been incorporated into the Southern Division under Manley Natland, Division Geologist. Irving Schwade has been transferred from the Coastal to the Northern Division as Division Geologist.

Al Bowie, Johnny Curran, Walt Gerhard and Quentin Query sloshed through a rainy Sunday and a case of beer helping Bob Paschall move to his new home in Ventura.

Bill Cunningham has resigned from his position with the Bishop Oil Company in Bakersfield. After January 15 he will be associated with the Brazos Oil and Gas Company with offices in Lodi.

Joe Ernst, Pomona 1949, is now Asst. Geologist for the Texas Company with headquarters at Taft. Joe is replacing W. D. Lowry who has resigned.

Gene Davis was seen in town before Christmas. He came down from Alaska via Washington, D. C.

Nine Division of Oil and Gas staff members including Messrs. R. D. Bush and E. H. Musser, were entertained for Christmas luncheon December 15th by the Los Angeles major company scouts at Carl's Restaurant.

Has anyone seen the red glow on Harry Feder's brow since he received his L.A.A.C. statement for December? Thanks for the lunch, Harry.

Alex Tarbet, Standard's representative in the Salinas-Santa Cruz area, has been under the weather for over a month now due to an attack by an unknown virus.

"Monster" Tom Angell looks less like Frankenstein and more like a Texas Co. man daily since the doctor cracked his shell and gave him a corset to wear. Very shortly Tom should be tramping the hills again as his back is improving nicely. From now on he plans to keep all four wheels of his car on the ground, he says.

U.S.C. TALK

Art Huey, our new Veep, spoke before the Omega Chapter of the Sigma Gamma Epsilon and members of the Geology Department of U.S.C. on the evening of December 1st. The subject of his talk was, "Sub-surface interpretation of the faulting in the Russell Ranch Field, Cuyama Valley".

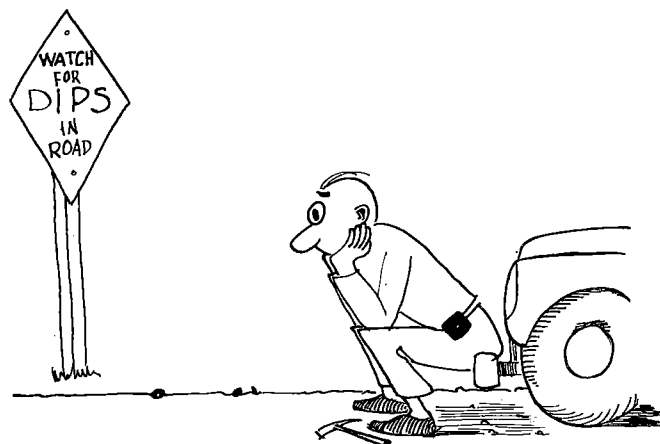
It was explained that a large normal fault, called the Russell Ranch fault, and its associated branch faults form the trap for the oil accumulation there. The White Rock thrust fault was pictured as a much younger fault which has overridden and masked the subsurface details of the underlying oil field.

LOST

One gabardine topcoat with label "Swift Ltd., San Francisco", by Fred Menken, Tidewater Associated Oil Company, 79 Montgomery St., San Francisco, California. This coat was misappropriated at the Luncheon Meeting on December 8th at Roger Young Auditorium. The offender may obtain his coat by returning Mr. Menken's coat to Milton W. Lewis, Room 904, 714 W. Olympic Blvd. Telephone PR-3872.

ANDY CLINE

BY Sullivan



"HI JINKS"

Amid the loud clatter of falling trays, breaking glass and raucous cries of the inebriated, the more conservative element attempted to interpret the feeble and sometimes garbled transcription of the annual industry "Hi Jinks".

Unfortunately the recording or the amplifying equipment was faulty at times, making it difficult for those several rows away from the stage to hear well. It was gratifying to learn that every tool-pusher has in hand the means to check Schlumberger's and driller's depth and the mystery of how Union purchased Los Nietos was completely explained.

A vapid fencing act by professionals took on more interest when a buxom young lady inadvertently consented to duel with the master. Yawns changed to cheers as the sly dog succeeded in successfully divesting the pupil of her raiment, article by article, with expert use of the foil.

A very clever "pickpocket" extended himself and managed to take Harold Hoots' red suspenders as well as other gentlemen's watches, wallets, fountain pens,...etc. (It was all in fun)

The climax of the professional portion of the show was a Beauty and the Beast act in which a fair maiden was gorilla-handled to the extent of causing several members of the audience to threaten to "shoot the thing".

All in all a very entertaining evening.

DUES!

Have you paid your 1950 dues to the Pacific Coast Section? All those not having paid are urgently urged to do so at once. If you wish to continue to receive notices of Pacific Coast Section affairs, mail your check for \$2.00 to Milton W. Lewis, Secretary-Treasurer, Room 904, 714 West Olympic Blvd., Los Angeles 15, California

UCLAN GEOLOGICAL SOCIETY

George Gaylord Simpson, outstanding vertebrate paleontologist, recently addressed members and friends of the Geological Society of U.C.L.A. on Trends in Vertebrate Paleontology. An interesting point in Dr. Simpson's talk was the description of the use of vertebrate fossils in the thick continental deposits of Utah and Wyoming to determine high and low blocks of essentially vertical faults which are important structurally in the oil accumulations in those districts.

BIBLIOGRAPHY OF RECENT PUBLICATIONS

CALENDAR

- ** Pacific Coast Geology
* Other Articles of Special Interest

SCIENTIFIC PUBLICATIONS - JOURNALS, BULLETINS, ETC.

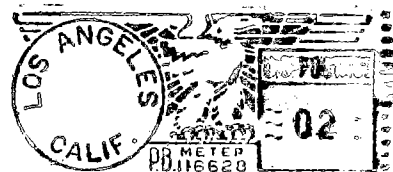
- ** Calif. State Div. of Oil & Gas. Summary of Operations, Vol. 34, No. 2, July-Dec. 1948.
- Jour. of Geology, Vol. 57, No. 5, Sept. 1959
Caliche in South Eastern New Mexico,"
by J. Harlen Bretz and Leland Horberg,
pp. 491-511.
- *Oil Fields of North America by W. A.
Ver Wiebe. Edwards Bros. Inc., Ann Arbor,
Mich. 1949. Price - \$6.00.
- U. S. Bureau of Mines, Technical Paper No. 717
"Asphalts from Rocky Mountain Crude Oils,"
by K. E. Stanfield and Rethel L. Hubbard.
- U. S. Geol. Survey, Oil and Gas Investigations
Preliminary Chart 34, 1949
** "Lower Tertiary Stratigraphy of Mt.
Diablo, Marysville Buttes and West
Border of Lower Central Valley at
California", by Ralph Stewart. Price -
\$1.00
- Preliminary Map 97, 1949
** "Geology of the Coastal Area from Cape
Kiwanda to Cape Foulweather, Oregon;
by Parke D. Snively Jr. and H. E.
Vokes. Price - 50¢
- Preliminary Map 98, 1949
"Geology of the Woodbine Formations
of Cooke, Grayson and Fannin Counties,
Texas" by H. R. Beigquist. Price - \$1.00
- Preliminary Map 99, 1949
"Map of the Berea Sand of Northern
Ohio", by Wallace de Witt Jr. Price - 50¢
- TRADE JOURNALS AND MISCELLANEOUS MAGAZINES
- World Oil. Dec. 1949
- ** "Submarine Geology and Stratigraphy,"
by Dr. Francis P. Shepard, pp. 72-77
- * "Expansion in Western Canada," by Roy
E. Leigh, pp. 221-228
- * "The Western Canada Sedimentary
Basin Area," by Theo. A. Link,
pp. 230-248

- Jan. 12, 1950; Thurs., 12:00 Noon, AAPG Pacific
Section, Luncheon Meeting, Rodger Young Auditorium
936 W. Washington, Los Angeles - E.W. Hoylman,
"Significant Differences Between Airborne and
Ground Magnetic Surveys".
- Jan. 12, 1950; Thurs., 6:30 P.M., AIME Junior
Petroleum Group, Rio Hondo Country Club, Downey,
Nico van Wingen, "Consideration of Well Spacing".
- Jan. 17, 1950; Tues., 12:00 Noon, SEG Luncheon
Meeting, Clark Hotel - Dr. L. B. Slichter, "The
Electromagnetic Methods for Ore Prospecting".
- Jan. 17, 1950; Tues., 8:00 P.M., API L.A. Basin
Chapter, Shell Recreation Hall, Long Beach -
Robert Marcus, "Shaped Charges" and movie,
"African Big Game Hunt".
- Jan. 17, 1950; Tues., API San Joaquin Valley
Chapter, Bakersfield Inn, Bakersfield.
- Jan. 18, 1950; Wed., 7:30 P.M., API Coalinga-
Kettleman Chapter, Polvadero Country Club,
Coalinga - E. E. Pyles, "What is Happening to
the Oil Business at Home and Abroad".
- Jan. 19, 1950; Thurs., 7:30 P.M. AAPG Pacific
Section, Distinguished Lecture, Edison Bldg.
Auditorium, Los Angeles - R. M. ("Max")
Leggette, "Elements of Ground Water Hydrology".
- Jan. 20, 1950; Fri., 7:00 P.M., AAPG Coastal
Geological Society, Santa Barbara, Distinguished
Lecture - R. M. Leggette.
- Jan. 23, 1950; Mon., 7:00 P.M., AAPG San Joaquin
Valley Geological Society, Bakersfield,
Distinguished Lecture - R. M. Leggette.
- Jan. 23, 1950; Mon., 7:00 P.M., AIME Petroleum
Technology Group, Ethyl Corp. Auditorium, L.A. -
Read Winterburn, "Terminal Zone, Wilmington".
- Feb. 6, 1950; Mon., 7:30 P.M., AIME Metals Branch,
place to be announced, "Physics of Metals, Part
II, Theories of Deformation and Fracture".
- Feb. 14, 1950; Tues., 6:30 P.M., AIME Junior
Petroleum Group, Rio Hondo Country Club, Downey.

PACIFIC PETROLEUM GEOLOGIST
PACIFIC SECTION, A.A.P.G.
ROOM 932
714 WEST OLYMPIC BLVD.
LOS ANGELES, 15, CALIFORNIA.
RETURN POSTAGE GUARANTEED

Vol. 4, No. 1

Mr. Fred R. Neuman
381 E. 4th St.
Chico, Calif.



PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 4

February 1950

No. 2

ASSOCIATION ACTIVITIES

L. A. LUNCHEON

The regular luncheon meeting of the L.A. section was held in the Green Room of the Rodger Young Auditorium on Thursday, January 12, 1950.

An above average crowd of seventy-nine geologists and visitors enjoyed a well served and delicious meal of baked ham with all the trimmings.

Milt Lewis reported the results of a vote on where to hold future luncheon meetings to be overwhelmingly in favor of Rodger Young's Auditorium.

President Pemberton asked Homer Steiny to begin negotiations and arrangements for the trip of a Pacific Section delegation to Chicago in April for the National A.A.P.G. convention.

Upon the presenting of the question by Art Huey, decision was made by the group to not limit the choice of future luncheon speakers to qualified geologists or related topic speakers but to invite leaders in all phases of the petroleum industry. It was suggested that sales, advertising, personnel and other management problems in general are all too often totally unrecognized by the geologist and that such a variance of luncheon programs would be highly beneficial.

Mr. Wayne Holman, Chief Geophysicist for Fairchild Aerial Surveys spoke very interestingly on "Significant Differences between Airborne and Ground Magnetic Surveys".

Mr. Holman strongly advocated further use of the airborne magnetic survey in California. He pointed out that anomalies of the magnitude of 5 to 25 gamma are usually uninterpretable if recorded by a ground survey, but that this order anomaly may be highly significant if recorded in an airborne survey. The basis for Mr. Holman's belief in this regard is primarily that many "surface" or "near surface" causes of anomalies while strongly influencing ground surveys are minimized by an air survey.

The value of the use of the second derivative of the original curve was demonstrated by showing the ease by which small anomalies on the original curve are greatly magnified on the derivative.

A magnetic profile from Santa Barbara to Santa Cruz Island to Santa Monica was presented and attempt was made to correlate with the known geology.

Discussion of Mr. Holman's talk was confined to further interested parties in informal groups.

S. E. G.

The Society of Exploration Geophysicists announces the following nominees for executive officers of the national organization during the year 1950-51. For President: G.E. Wagoner, Carter Oil Co., Shreveport, and Maurice Ewing, Columbia University; for Vice President: D.H. Clewell, Magnolia Petroleum Co., Dallas, and Sigmund Hammer, Gulf Research and Development, Pittsburg; for Secretary-treasurer: F.F. Campbell, Amerada Petroleum Corp., Tulsa, and W.H. Courtier, Phillips Petroleum Co., Bartlesville. The results of a mail ballot will be announced in April.

At a recent meeting of the Pacific Coast Section of the S.E.G. the annual Spring meeting in Bakersfield was discussed and a very enlightening, illustrated talk on "Electro-Magnetic Methods of Ore Prospecting" was given by Dr. L.B. Slichter of U.C.L.A.

JANUARY FORUM

After an unavoidable delay due to plane groundings by weather in the East, Dr. Max Leggette, A.A.P.G. Distinguished Lecturer, addressed members of the L.A. section in the C.P. Auditorium on Monday, January 23rd. His talk, "Elements of Groundwater Hydrology" proved extremely interesting.

The Hydrologic Cycle of precipitation, run-off and percolation, evaporation and transpiration was discussed in some detail with the practical significance of distinguishing between aquifer and zone of saturation, water wells emphasized. Several references to the water system of Long Island, New York, were made and it was pointed out that the recent New York shortage was not due to faulty planning for maximum utilization of the ground water potential but was due rather to an abnormally low precipitation with resultant depletion of catchment type reservoirs. The New York water supply system depends largely on these, rather than ground water.

An interesting highlight was the discussion of the rapidity of purification by nature of both polluted and contaminated waters. Based on strong evidence of this phenomenon, the very practical (but unpleasant) thought was offered that perhaps reuse of sewage waters may in certain critical areas be a partial answer to the water supply problem.

DISTINGUISHED LECTURER

The Association's distinguished lecturer for February is Dr. Fred B. Phleger, Associate Professor of Geology at Amherst College, who will address the groups of the Pacific Section on the subject "Offshore Sedimentology, Northwest Gulf of Mexico".

Dr. Phleger received his bachelors and masters degrees from California schools and his doctorate from Harvard. He was instrumental in the establishment, at Woods Hole, of the project of study of sedimentation in the Gulf of Mexico. This study, under the sponsorship of the U. S. Navy, has since been pursued at Scripps Institute of Oceanography where the laboratories are now located.

The Los Angeles section will hear Dr. Phleger at a dinner meeting (to be held in lieu of a February luncheon meeting) at the Rodger Young Auditorium February 22nd.

It is anticipated that Dr. Phleger, who is a widely known authority on sedimentation, will be received by a large and enthusiastic audience at each of the several Pacific Section groups.

PAY!!!

According to national A.A.P.G. records there are 782 members in the Pacific Section. As of the 26th of January, 1950, only 436 of these members have paid local dues for the coming year. On March 1st, the Secretary of the Pacific Section will delete from his mailing list all those persons who have not paid their two dollars local dues for 1950. So please recheck to make certain that you have paid so that you will continue to receive notices of meetings and copies of the Pacific Petroleum Geologist. Dues may be mailed to Milton W. Lewis, Room 904, 714 West Olympic Blvd., Los Angeles 15, California.

EXECUTIVE COMMITTEE, PACIFIC SECTION
AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

J. R. Pemberton	President
Arthur S. Huey	Vice-President
Milton W. Lewis	Secretary-Treasurer
Clifton W. Johnson	Past-President
John T. Isberg	San Joaquin Representative

PACIFIC PETROLEUM GEOLOGIST

Published monthly by the Pacific Section, American Association of Petroleum Geologists. Address communications to the: Pacific Petroleum Geologist, Room 932, 714 West Olympic Blvd., Los Angeles 15.

Editor: John Loofbourow
Assistant Editors: Ted Bear
Sam Stewart

Department Editors:

Activities:	Robert Maynard
Personal Items:	Richard Ballantyne
Selected Bibliography:	Jack Tomkins
Calendar:	J. Douglas Traxler
Cartoonist:	Harold Sullwold
San Joaquin Representative:	Everett Pease
San Francisco Representative:	Willard Classen
Coast Representative:	Robert Paschall
Salinas Representative:	James O'Flynn

Next deadline February 27, 1950

L.A. A.I.M.E. MEETING

The Pacific Petroleum Chapter of the A.I.M.E. met Wednesday, January 25th, at the Clark Hotel, and Jan Law, introduced by M.D. Hughes, presented a paper of much interest to local geologists; the topic: "The Wilmington Oilfield Earthquake: Damage and Remedial Measures".

Evidence was presented in the pattern of the shearing of well casings to support the theory of peripheral thrusting in a subsiding area. As the shape of the area of subsidence has been well studied and repeated precise leveling has established rates of subsidence in many places, the location of the axis of greatest subsidence is fairly well known. The oilfield damage is located essentially on the southern flank of this active downwarping. As oil well casing was sheared by the upper portion moving southward with respect to the lower portion, light is thrown on the mechanism by which this folding is occurring.

It was felt after studies of well histories and correlation with Cal. Tech. seismograph records that the movement was essentially sharp and short in duration in 1947, as well as in November of last year. It is believed also that the maximum slippage, insofar as it can be determined, is localized on one or two planes rather than many.

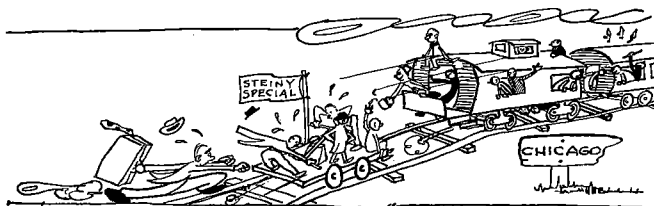
U. S. C.

An interesting and timely discussion of taxation and of influence on exploration for oil was presented by A. N. "Bud" Campbell to members of the Omega Chapter of Sigma Gamma Epsilon at U.S.C. on January 12th.

Bud's talk provided an excellent background for the evaluation of the proposed changes in the depletion allowance.

COAST GEOLOGICAL SOCIETY

A dinner meeting of the Coast Geological Society will be held Tuesday, February 14th at Eaton's Restaurant in Santa Barbara. Feature speaker will be Douglas Ragland of the Humble Oil and Refining Company who will talk on "Offshore Drilling and Development." Mr. Ragland is Assistant Chief Petroleum Engineer for Humble in Houston, Texas and is making the trip out from Houston especially to give this talk.



A.A.P.G. NATIONAL CONVENTION

Special cars to the 35th Annual A.A.P.G. Convention in Chicago leave Los Angeles, Friday, April 21st at 5:00 P.M.

The train, the U.P. streamliner, "City of Los Angeles", has club car, barber and valet service, radios and baths, and rolls rapidly on Timekin bearings.

The fare: one way, \$106.50 (includes 17.25 extra fare and tax)

Pullman space (one way) is as follows:

Lower berth (one person)	\$ 20.99
Roomette (one person)	29.38
Bedroom (one person)	39.91
(two persons)	46.17
Compartment (two persons)	59.17
Drawing Room (two or three persons)	79.81

No special party is being organized for the return trip but the transportation committee of Homer Steiny, Harold Rader and Irving Frazier have investigated several different routes of return by train and air. Some through Canada, others via New Orleans or San Francisco, and one by way of the Grand Canyon.

Should direct return by Union Pacific be desired, a round trip fare may be purchased for \$148.64.

Full particulars may be had and reservations may be made by getting in touch with Homer Steiny, Tidewater Associated Oil Co., 842 Pacific Electric Building, Los Angeles 14, -- Phone: MICHigan 6251.

PERSONAL ITEMS

It is with interest that we note the name of Raymond V. Darby among those listed in the January Bulletin as applying for associate membership in the society. He is now on the Board of Supervisors of Los Angeles County.

D. B. Myers is recuperating from an emergency appendectomy.

Orrin Wangness, who was formerly in the Rocky Mountain area for Superior, has recently taken over as scout in the Bakersfield office.

Shell's Ventura Exploration headquarters recently welcomed the following transfers to its fold: R. L. Blocher, James Cowell, R. J. Frost, G. C. Lutz, James Moore and Lyle Smith.

Chet Cassel, Union Oil Company, is back from Paraguay.

Walt Heathman is in town from Canada. He is staying at Palm Springs for a few weeks.

John Frick, M. A. from U. C. L. A., is now with the Humble Oil & Refining Company.

Ted Bear and Dick Faggioli will be seeing a lot of each other from now on. They have recently purchased adjacent lots in Alta Canada.

The Mining Branch of the A. I. M. E., Southern California Section has been newly formed. Ian Campbell and Richard H. Jahns have been elected chairman and secretary, respectively, for 1950.

Kurt J. Seib, better known to most as "Blackie" was killed in an auto-train accident at Bakersfield January 6, 1950. He has been associated with the oil industry for many years. Seib first entered the oil industry in California in 1915 with the Rio Grande Oil Company at Long Beach, before becoming associated with the Conservation Committee of California Oil Producers. After six years, he was transferred to Bakersfield, where for the past seven years he has served as field deputy, and as a member of the Central California Oil Scouts Association. In addition to his oil activities, he was well known for his show horses. He entered saddle, harness and trotting horses in competition throughout the state and maintained a string of twelve horses at his ranch northwest of Rosedale. Born in Colorado, Seib came to California 35 years ago. He was 53 years of age.

"Levorsen steps down as Dean of the School of Mineral Sciences at Stanford University." This news item probably came as quite a shock to Stanford men who had been hoping that under his guidance the department would once again rate among the top schools of the country. Dr. Levorsen became dean in 1945. He will remain on the faculty as professor of geology.

Dr. Charles F. Park, Jr., internationally recognized expert on ore deposits, was named as the new dean of the Stanford school of mineral sciences. He joined the Stanford faculty in 1946. Dr. Park has won wide acclaim as an economic geologist. He was with the United States Geological Survey as chief of the metalliferous deposits section for the fifteen years immediately preceding his association with Stanford University.

Robert D. "Bob" Ford of Schlumberger remains loyal to the Pacific Section in spite of his Tulsa address. Milt Lewis reports receipt of Bob's dues and note concerning his family of six children - even up on boys and girls as of October.

Floyd Johnson, Honolulu Oil Corporation, Bakersfield division, is currently living in the Santa Cruz mountains and trying to keep warm. Too bad drilling did not take place during the summer months. Last week it was 18° and snow is covering the nearby hills. To make it even worse, they measure the rainfall in feet at Boulder Creek.

Congratulations are in order for Harry Sprague, whose wife Rosalyn presented him with a daughter January 16th. Harry is in charge of Superior's Saudi Arabian operations.

On January 18th, Tilden Fryar of C. C. M. O., became the proud father of a baby boy.

The Chuck Kirschners announce the arrival of their daughter, Kathryn, born January 28th and weighing in at 6 lb.

Its a baby girl at the Jack Elams. Weight 6½ lbs; date February 7th.

Earl Dillon announces the arrival of John Michael Dillon on the 30th of December 1949, just in time to make 1949 statistics.

Frank Getz of the Standard Oil Company received a lucky package on Friday, the 13th of January when his wife presented him with their first child - a son, George Francis.

The Mining Branch of the A.I.M.E. has announced an open forum which is to be held at 8:00 PM, March 2nd, in Room 145, Hancock Foundation, U.S.C. The subject is "The Role and Responsibilities of the Geologist Versus the Mining Engineer in the Exploration and Exploitation of Minerals. Members of the panel will be Cord Durrell, U.C.L.A., A.E.J. Engel, Cal. Tech., D.F. Hewett, U.S.G.S., Stuart Ingram, Sierra Talc Co., and Kenneth Powell, Kaiser Steel Co.

Al Hilton is now headquartered at Santa Paula in the Division Offices of the Union Oil Company.

Richard G. "Dick" Reese, formerly with Standard Oil Company, is now associated with the Arctic Exploration Company in Alaska.

Phil Patton, lately from Nevada, is wintering at Continental's office in Ventura.

Pat Patterson of Shell Oil Company is now a research geologist and Cliff Edmundson has taken over Pat's scouting duties.

Erwin W. Clark of Sacramento has been seen asking all geologists he encounters to assist in the preparation of the A. A. P. G. stratigraphic paper cross-section.

Dick Nelson and Earl Heater of the American Overseas Petroleum Co. have moved to New York with the transfer of company headquarters. E. M. Butterworth, president of the company, plans to remain in San Francisco.

L. E. McCord, scout for the Shell Oil Co., Inc. at Caspar, Wyoming, has been in southern California on a combined honeymoon and business (?) trip.

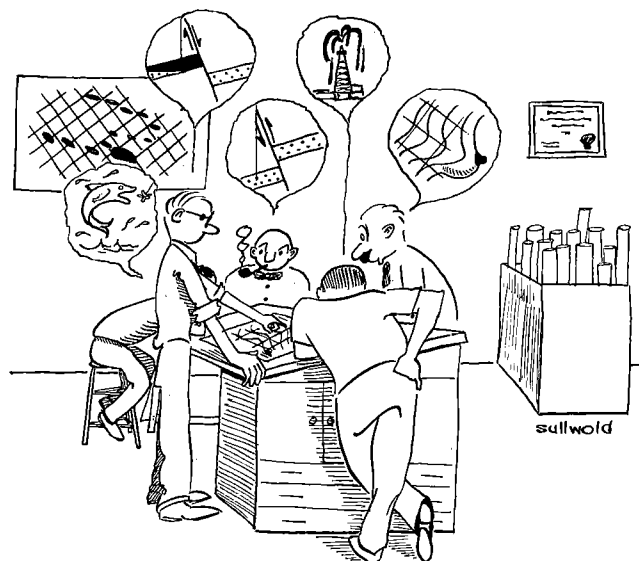
J. E. Matter has been transferred by British-American to Texas as Manager of Exploration for West Texas, North Texas and New Mexico. His new address will be c/o British-American Oil Producing Co., 906 Life of America Bldg., Fort Worth, Texas.

Doctor VanderHoof, of the Stanford School of Mineral Sciences, gave an interesting talk on the geology of the Humboldt Bay area to the Le Conte Club recently. With the aid of his crystal ball, which he used during the talk, it is now only a matter of time before the oil which he saw, is being prospected for.

Paul H. Dudley, consultant, is in New York to attend the annual meeting of the Finance Committee of the Geological Society of America scheduled for the tenth of the month. While in the east he may take in the A. I. M. E. meetings.

Bill Barbat, of the Standard clan, is reported in favor of foolproof pilot lights in gas stoves. When he arrived home from the Rose Bowl, and its chills, he found his house empty and dark. Seems the pilot light went out so the family did likewise.

C. G. "Neal" Willis has recently returned from a month-long pleasure trip in central Mexico. He reports the fishing at Acapulco to be "out of this world" - to prove it he has pictures of two marlin that he caught there in one day.



BIBLIOGRAPHY OF RECENT PUBLICATIONS

****Pacific Coast Geology**
***Other Articles of Special Interest**

SCIENTIFIC PUBLICATIONS - JOURNALS, BULLETINS, ETC.

Am. Jour. Sci., Vol. 247, No. 11, Nov. 1949
"Definitions of Arkose" by Steven S. Oriel, pp. 824-829.

Am. Jour. Sci., Vol. 24, No. 12, Dec. 1949
"Radium Content of Ultramafic Igneous Rocks: Geological and Chemical Implications" by G. L. Davis & H. H. Hess, pp. 856-882

Bull. G.S.A. Vol. 60, No. 11, Nov. 1949.
"Valley Widening Processes in the Colorado Rockies" by B. A. Tator, pp. 1771-1784

Oregon State Dept. of Geol. & Mineral Industries
Bull. No. 36, Oct. 1949
**"Local Relationships of the Mollusca, of the Wildcat Coast Section, Humboldt Co., Calif." by Robert E. Stewart and Katherine C. Stewart, pp. 166-208

Scientific American, Dec. 1949
* "The Fuel Problem" by Eugene Ayres, pp. 32-39

TRADE JOURNALS AND MISCELLANEOUS MAGAZINES

Munger Oilgram Annual Report 1949
**"Placerita Oil Field" by Robin Willis, pp. 1-12

Oil and Gas Journal Dec. 29, 1949
**"Airborne Magnetometer Profiles Across Cuyama Valley" by H. Wayne Hoylman, pp. 55-57

Tomorrow Tools - Today! Vol XV, No. 4,
Lane Wells, 4th Quarter - 1949
"Coneshot Perforating" (Part 3) by Val L. Forsyth and John T. Gardiner, pp. 4-9
"Radioactivity Well Logging Moves North to Canada's Fields" by S.W. McGaha, pp. 28-33

World Oil January 1950
"Reef Surveying with Radioactivity" by R. A. Stothart, pp. 61-63

World Petroleum January 1950
"South America Oil Resources and Policies" by Dr. J. E. Rasmuss, pp. 38-42

The Mines Magazines December 1949
"Fourteenth Annual Petroleum Number

CALENDAR

Feb. 13, 1950; Mon. 7:00 p.m. AAPG Pacific Section Geological Forum, Edison Bldg. Auditorium, Los Angeles. H. Yarborough, "Castaic Junction Discovery", and J. E. Walstrom, "Electric Log".

Feb. 14, 1950; Tues. 7:00 p.m. AAPG Coastal Geological Society, Dinner Meeting, Eaton's, Santa Barbara. D. Regland, "Offshore Drilling and Development".

Feb. 16, 1950; Thurs. 7:30 p.m. UCLA Geological Society, 310 Chemistry Bldg. Dr. Riley, "Fundamental Approach to Earth Science Problems".

Feb. 16, 1950; Thurs. 7:00 p.m. AIME San Joaquin Valley Chapter, Dinner Meeting, Buckhorn Ranch House, Taft.

Feb. 20, 1950; Mon. 3:45 p.m. Stanford Journal Club, Palo Alto. Jack O. Horton, "Origin of Petroleum".

Feb. 21, 1950; Tues. 8:00 p.m. API San Joaquin Valley Chapter, Taft.

Feb. 22, 1950; Wed. 5:30 p.m. AAPG Pacific Section Dinner Meeting, Rodger Young Auditorium. Distinguished Lecture, Fred B. Phleger, "Offshore Sedimentology of N.W. Gulf of Mexico."

Feb. 23, 1950; Thurs. 7:00 p.m. AAPG San Joaquin Valley Geological Society, Dinner Meeting, Bakersfield Inn. Distinguished Lecture, F.B. Phleger.

Feb. 24, 1950; Fri. AAPG Northern California Geological Society, San Francisco. Distinguished Lecture, F. B. Phleger.

Feb. 27, 1950; Mon. 3:45 p.m. Stanford Journal Club, Palo Alto. Chas. L. Beaudry, "The Austenite-Martensite Transformation".

Mar. 2, 1950; Thurs. 8:00 p.m. AIME Mining Branch, Hancock Auditorium, U.S.C. Panel Discussion, "Role and Responsibility of the Geologist vs. Mining Engineer in Exploration and Exploitation of Mineral Resources".

Mar. 2, 1950; Thurs. 6:30 p.m. CNGA Dinner Meeting, Rio Hondo Country Club, Downey.

Mar. 6, 1950; Mon. 3:45 p.m. Stanford Journal Club, Palo Alto. P.A. Laylander, "Regional Aerogeological Mineral Exploration".

PACIFIC PETROLEUM GEOLOGIST
PACIFIC SECTION, A.A.P.G.
ROOM 932
714 WEST OLYMPIC BLVD.
LOS ANGELES, 15, CALIFORNIA.
RETURN POSTAGE GUARANTEED

Vol. 4, No. 2

Mr. Fred R. Neuman
381 E. 4th St.
Chico
California



PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 4

March 1950

No. 3

ASSOCIATION ACTIVITIES

DISTINGUISHED LECTURER

Fred B. Phleger of Scripps Institute of Oceanography, La Jolla, addressed groups of the Pacific Section as the Association's distinguished lecturer for February.

Dr. Phleger's subject, "Offshore Sedimentology, Northwest Gulf of Mexico" generated much interest at each locality at which he spoke and the discussion and comments following his address were stimulating.

Twelve traverses in the northwest Gulf of Mexico were made by members of the Wood's Hole Oceanographic Institution, extending from 20 to 3650 meters water depth. Data collected included water temperature, salinity, plankton samples, 550 short cores of undisturbed surface sediments and 100 long cores which sampled the bottom to approximately a ten foot depth.

Dr. P. D. Trask and Dr. H. C. Stetson as well as Dr. Phleger were prominent in the initial examination of the data.

The surface sediments were found to be primarily fine grained sandy silts grading to clays in deeper water and sediments from the Sigsbee Deep and the lower continental slope were found to contain approximately 30% calcium carbonate. Small hills on the continental platform are covered with calcareous deposits including coralline life and they are thought to be bioherms.

Strong depth zoning of Foraminifera was found and six depth zones have been delineated. Facies boundaries are at approximately 80-120 m; 180-220 m; 500-750 m; 1000-1300 m; and 1800-200 m. Sub facies within the zones are present which are related to a variety of ecologic conditions.

It was found in one traverse that the relative rate of sedimentation is approximately 60 times greater in water shallower than 84 m. than at greater depths. This conclusion was based on rate of Foraminifera production and population.

Several closed troughs on the continental slope appear to be due to faulting or large scale land-slides.

A late glacial fauna is recognized in many of the longer cores and the lower fauna in some cores suggests sea level changes or slumping of sediments.

The average population of living planktonic Foraminifera is 4-5 specimens per cubic meter of water with considerable geographic and bathymetric variation. The greatest production of benthonic Foraminifera is in water depths of less than 100 meters.

FOREIGNERS

Of interest is a partial list of A.A.P.G. members who reside outside the Pacific Coast District but continue their membership in the Pacific Coast Section.

The Canadian contingent is quite large including Glen Bowes, R. W. Burns, W. W. Heathman, G. L. Knox, C. E. Leach, Ted Lee, and Earl Noble.

Three members are outside the continental limits of North America. They are: A. Gregerson, Denmark, E. A. Gribi, Ethiopia, and G. H. Newman, Manila.

Some thirteen others reside in states other than California.

FEBRUARY FORUM

The regular forum meeting of the L.A. section for February was held at the Edison Auditorium on the evening of the 13th.

Hunter Yarborough, Humble, discussed his company's recent Newhall Land and Farming discovery showing slides of the electric log and releasing paleontological and dipmeter information. He presented a conception of the subsurface conditions which may have been responsible for the accumulation, and a generalized regional cross-section linking the discovery to the Newhall-Potrero field.

J. E. Walstrom, Standard, gave a most interesting and illustrated talk on the interpretation of electric logs. After discussing the more prominent variables which effect the recorded values of both the self potential and resistivity of bedded rocks, Mr. Walstrom emphasized again the folly of condemning a sand body on the basis of a recorded, but not fully understood, low value of resistivity. Much discussion and many questions followed the talk.

SALINAS CORE PARTY

Through the cooperation of the companies concerned, the cores of several Salinas Valley wells were opened to inspecting geologists on February 6th, 7th, 13th and 14th. The fracas opened by a frenzied shifting of cores from core houses to the Jergins Oil Company shed to protect them from the rain which the weatherman had assured everyone would fall. (The day was beautiful).

In the evening session on the 7th discussion was guided by John Fackler, C.C.M.O. and Tom Baldwin, Jergins, as points on the wells were released. Of particular interest to those gathered was the information offered by Floyd Johnson on Honolulu's recent venture at Santa Cruz.

The evening of the 13th a discussion of Salinas Valley Redbeds occupied the geologists of the area.

COASTAL SOCIETY

The Coast Geological Society tendered its official thanks and best wishes to departing Vice President Irving Schwade (who recently assumed new duties for Richfield in Bakersfield) and Dick Haines, Continental, assumed the vice-presidential duties. Bill Thomas of Shell is now the Society Secretary and Henry Neel is the newly elected treasurer.

MARCH LUNCHEON - L. A.

In accord with the recent decision of members of the L. A. section, the first of a series of non-geological talks will be given at the Rodger Young Auditorium, March 9th at the regular luncheon meeting.

Mr. W. B. Curtiss, general manager of public relations of the General Petroleum Corp. will address the group on the subject "To See Ourselves As Others See Us".

A large turnout is expected.

EXECUTIVE COMMITTEE, PACIFIC SECTION
AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

J. R. Pemberton	President
Arthur S. Huey	Vice-President
Milton W. Lewis	Secretary-Treasurer
Clifton W. Johnson	Past-President
John T. Isberg	San Joaquin Representative

PACIFIC PETROLEUM GEOLOGIST

Published monthly by the Pacific Section, American Association of Petroleum Geologists. Address communications to the: Pacific Petroleum Geologist, Room 932, 714 West Olympic Blvd., Los Angeles 15.

Editor: John Loofbourow
Assistant Editors: Ted Bear
Sam Stewart

Department Editors:

Activities:	Robert Maynard
Personal Items:	Richard Ballantyne
Selected Bibliography:	Jack Tomkins
Calendar:	J. Douglas Traxler
Cartoonist:	Harold Sullwold
San Joaquin Representative:	Everett Pease
San Francisco Representative:	Willard Classen
Coast Representative:	Robert Paschall
Salinas Representative:	James O'Flynn

Next Deadline March 27, 1950

OFFSHORE DRILLING

Due to the efforts of the Coastal Geological Society, the Los Angeles Section as well as the Coast was privileged to hear Douglas Ragland, Humble Assistant Chief Petroleum Engineer, talk on Offshore Drilling and Development. The talk was a technical amplification of a sound movie which preceded the speech.

The financial outlay involved in offshore work is staggering, even to those familiar with the large sums necessarily expended in oil industry operation. Mr. Ragland cited a current figure of \$200,000,000 expended in return for which less than two million barrels of oil have been produced, and a present production of 7000 B/D developed. Drilling platforms cost from a quarter to one and a half million dollars and salvage of the pilings and their maze of cross bracings is prohibitive financially so that a dry hole is a grave for a good many tons of steel.

No submarine pipelines have yet been laid and barge carried oil costs an average 60 cents per barrel for well to shore transportation. Most discouraging, perhaps, is the fact that only relatively small, structurally complicated piercement-dome fields have been found to date; operators still await the discovery of a large deep seated dome.

Mr. Ragland remarked that sea-sickness was occasionally a serious problem. It is to the credit of the operators that their other monumental difficulties don't make them a good deal more sick.

PERSONAL ITEMS

Paul S. Pustmueller, now associated with Fremont Petroleum Co. of Wyoming and formerly geologist with the Shell Oil Co., Inc., was in town a few days for business and pleasure.

Unless recent rains have destroyed them, dips and strikes may be taken every few hundred yards along the highways in Santa Cruz and San Mateo Counties by leaning out of the car window. Thanks should be extended to the excellent work of the "geological herd" now roaming the highways and byways of the region.

Harry Turber, Standard's paleontologist is spending three weeks at Guaymas in Mexico.

Miguel de Laveaga, former district geologist for Capital in San Joaquin is now associated with Union in Bakersfield.

The Chief Geologist for Shell of Venezuela, Dr. W. H. Hegwein, has been touring oil fields of Texas and has recently visited in California.

Twelve friends of Homer Steiny gathered to honor him February 23rd at Carl's on Figueroa. The occasion was his birthday and featured a cake replete with candles.

Miss Lucille Brook, geological stenographer in Ventura is being transferred to the office of the vice president of Tide Water Associated in San Francisco -- Rader, Frazier and Steiny are wearing black arm bands!

Harrison Jamison, recent UCLA graduate and George R. "Ray" Arnett, USC graduate are now in Richfield Oil Company's Northern Division.

Your reporter hears of a choice incident that occurred at the Coastal Geological Meeting on February 14th. Lowell Redwine explained that no introduction of guests would be made at the meeting with one notable exception: Mr. Homer Steiny had sent in a list of his guests reading, "Princess Yasmin Khan and Roberto Rossellini" "Would he introduce his guests?" Mr. Steiny rose to say he was sorry but the announcement was a little premature.

Tom Etherington of Standard has gone to Seattle to take over the "Hofert" well from Union.

We hear that Loyal Nelson has taken on a new hobby -- that of tree-topping -- elms a specialty.

After a heated five-game session, Stipek and Keans finally defeated Hoots and Edwards for the Petroleum Club domino championship.

Bill Lewis was last seen hobnobbing with Governor Warren at the State gathering of Young Republicans at Bakersfield.

Andy Vidos is now with the Humble Oil and Refining Co.

Kenny Fuller is now with the Humble Oil and Refining Co as geophysicist. He was formerly a party chief with the United Geophysical Co.

Cliff Johnson is conducting camellia grafting classes in his back yard on week ends -- attendance by appointment only.

Lyle Smith has been transferred to Shell's Ventura office from Bakersfield.

The old Pala House opposite the Hilltop Cafe on Signal Hill has been the scene of recent activity. It is the new location of geological and geophysical offices of Shell's L. A. Basin Division.

The Dan Sullivans announce the arrival of their son, Lawrence Daniel born February 10th and weighing in at 7 lb., 14 oz. -- he is their first.

Bill Buckley of Continental Oil Co was married the 18th of February.

Bill Green has been transferred from the Bakersfield office of British-American to their Ventura office.

A recent communication to the secretary from Ed Gribi, ex Stanfordite, says the climate of eastern Ethiopia is ideal and the hunting "out of this world". At the time of the writing, two large lions had recently been killed within a mile of the base camp, and game bird hunting is so easy it's ridiculous. Geologically, attempt is made to unscramble Mesozoic rocks in the basin south and east of the Rift Valleys. For those friends who may wish his present address, a letter c/o Sinclair Petroleum Co., 630 5th Ave., New York 20, N.Y. will reach him most rapidly.

Irv Frazier is now chief scout for the Texas Co. His new assistants are Yale Langworthy, scout for San Joaquin Valley, located at Bakersfield, and Roy Stark, scout, unassigned district.

It is reliably reported that Independent's Jim O'Neil is the favored patron of the one and only Solemint Cafe.

The Peter H. Gardetts are now in their new home at 836 Winthrop Road, San Marino.

The many U.C.L.A. friends of Jim Gilluly are sorry to hear that effective in June of this year Jim is resigning from the staff of the University and will return to the U. S. Geological Survey. He plans to "see what God did to the rocks" in portions of Nevada.

DE GOLYER TALK

Of interest to many members of the Pacific Section will be a talk by E. L. De Golyer, prominent petroleum geologist, to be given under the auspices of the Oil Producers Association on the 16th of March in Bakersfield. Mr. De Golyer's subject and the time and place of the meeting will be announced later.

U.C.L.A. SOCIETY

On the evening of February 16th Dr. N. A. Riley of the California Research Laboratory at La Habra addressed the Geological Society of U.C.L.A. on the subject "The Fundamental Approach to Earth Science Problems".

A discussion of attitudes and mental conditioning in approaching a geological problem was well received. Dr. Riley emphasized the importance of understanding the formal relations between observations and conclusions, and all profited by his illustrations of "logical thought".

MARCH FORUM - L.A.

The regular meeting of the L.A. Forum will be held at 7:30 P.M. March 20 in the General Petroleum Auditorium.

Eugene Borax, Union, is organizing what promises to be a very instructive and entertaining program.

Mr. R. Pridgeon of the Homer R. Dulin Co. will discuss his company's methods of obtaining data for land maps and the methods used in the initial preparation and maintenance of these maps.

Mr. Remington Stone, consulting mining engineer with much experience both in the Hawaiian Islands and in Mexico, will speak briefly and show color movies and slides of the recent eruptions of Mauna Loa and Paracutin.

ANDY CLINE by sullwold



CALENDAR

Mar. 7, 1950; Tues. 6:30 p.m. Banner Club, Athenaeum, Cal Tech, Dinner Meeting. Dr. J. Gilluly, "Recent Ideas on the Origin of the Earth", and F. Loughton, "Juneau Ice Cap Research Project". Wives invited.

Mar. 9, 1950; Thurs. 12:00 Noon, AAPG Pacific Section, Luncheon Meeting, Rodger Young Auditorium. W.B. Curtis, "To See Ourselves as Others See Us".

Mar. 9, 1950; Thurs. 6:30 p.m. AIME Junior Petroleum Group, Rio Hondo Country Club, Downey. E. O. Karntinen, "Operation Santa Rosa".

Mar. 13, 1950; Mon. 3:45 p.m. Stanford Journal Club, Palo Alto. Barrow, Hamilton and de Chadenes, "Geology of the United States".

Mar. 14, 1950; Tues. 7:00 p.m. AAPG San Joaquin Geological Society, Dinner Meeting, El Tejon, Bakersfield.

Mar. 15, 1950; Wed. 7:30 p.m. API Coalinga-Kettleman Chapter, Polvadero Country Club, Coalinga.

Mar. 20, 1950; Mon. 7:00 p.m. AAPG Pacific Section, Forum, General Petroleum Auditorium, Los Angeles.

Mar. 21, 1950; Tues. 8:00 p.m. API Los Angeles Basin Chapter, Shell Recreation Hall, Long Beach. Stafford Park, "Placerita Oil Field".

Mar. 21, 1950; Tues. 8:00 p.m. API San Joaquin Valley Chapter, Bakersfield Inn.

Mar. 27, 1950; Mon. 8:00 p.m. API Coastal Chapter Ventura Junior College Little Theater, Ventura. Mr. McOmie, "Smog Problem", and Navy film, "Drilling for Oil in the Arctic".

Mar. 27, 1950; Mon. 7:00 p.m. AIME Petroleum Technology Group, General Petroleum Auditorium. Reed Winterburn, "Terminal Zone, Wilmington".

Apr. 6, 1950; Thurs. 12:00 Noon. AAPG Pacific Section, Luncheon Meeting, Rodger Young Auditorium. Dr. E. K. Soper, "Oil Possibilities and Recent Developments in Mexico".

Apr. 6, 1950; Thurs. 6:30 p.m. CNGA Dinner Meeting, Rio Hondo Country Club, Downey.

BIBLIOGRAPHY OF RECENT PUBLICATIONS

**Pacific Coast Geology
*Other Articles of Special Interest

SCIENTIFIC PUBLICATIONS - JOURNALS, BULLETINS, ETC.

Bull. G.S.A. Vol. 60, No. 10, Oct. 1949

***"Terrestrial Topography of Submarine Canyons
Revealed by Diving", by Francis P. Shepard, pp. 1597-1612.

Jour. of Geology, Vol. 58, No. 1, 1950, Jan.

***"The Down-Structure Method of Viewing Geologic Maps", by J. Hoover Mackin, pp. 55-72.

U.S.G.S. Prof. Paper No. 215, 1948

"Geology of the Southern Guadalupe Mountains, Texas", by Philip B. King, Price \$3.25

"Subsurface Geologic Methods" (A Symposium)

*Compiled and edited by L. W. Leroy and Harry M. Crain, pp. 826, 437 figs., 33 tables, Dept. of Publications, Colorado School of Mines, Golden, Colorado. Price \$7.00.

"The Ellenburger Group of Central Texas"

by Preston E. Cloud Jr. and Virgil E. Barnes, Univ. of Texas Publications No. 4621, Bureau of Economic Geology. Price \$6.00.

TRADE JOURNALS AND MISCELLANEOUS MAGAZINES

Oil and Gas Journal, Feb. 2, 1950

**"Scurry County's New Reef Fields", by D. H. Stormont, pp. 46-49.

Petroleum Engineer, Dec. 1949

"Petroleum Exploration in Arctic Alaska", by W. G. Greenman, pp. B 7-12.

Petroleum Engineer, Jan. 1950

"Economics of Scurry County Fields" by K. Marshall Fagin, pp. B 7-10.

"Petroleum Conditions in Japan", by Campbell Osborn, pp. A 43-48.

World Oil, Feb. 1950

**"Seismic Problems in Reef Shooting", by Neal Clayton, pp. 69-72.

**"Sitting on a Well", by C. A. Caswell, pp. 100-106.

FILL - IN

The energy content of roasted peanuts is 1961 calories per pound but each pound contains only 0.72 mg. of Riboflavin, based on peanuts without skin, that is. (U.S. Department of Agriculture Misc. Pub. No. 572)

PACIFIC PETROLEUM GEOLOGIST
PACIFIC SECTION, A.A.P.G.
ROOM 932
714 WEST OLYMPIC BLVD.
LOS ANGELES, 15, CALIFORNIA.
RETURN POSTAGE GUARANTEED

Vol. 4, No. 3

Mr. Fred R. Neuman
381 E. 4th St.
Chico
California



PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 4

April 1950

No. 4

ASSOCIATION ACTIVITIES

NATIONAL CONVENTION - DISTRICT REPRESENTATIVES

Announcement of the technical program for the 35th annual meeting of the Association in Chicago, April 24-27th, shows several interesting sessions scheduled. Symposia on "Turbidity Currents", "Applied Paleobotany", "Trapping Components", and "Possible Future Oil Provinces of the United States and Canada" highlight the program.

Attending the convention as official representatives of the Pacific Coast District (as distinct from the Pacific Section) will be Frank Parker, Signal; Jack Beach, Independent Exploration; and Herb McMasters, Honolulu. These newly elected delegates with the representatives still in office, (Pete Gardett, Manley Natland, Aden Hughes, and Bob Patterson) will attend the Business Committee meeting and act on Association policy for the members of the Pacific Coast District.

For the information of new Junior and Associate members, the number of District Representatives is decided by the national Association on the basis of the number of members residing in that district. Half of these representatives are elected by the district each year for a term of two years. In addition to being the voice of the district at the national convention, they act as a membership screening board.

Homer Steiny, transportation arranger, reports that a contingent of 64 people have made reservations on the special cars of the train. There is still plenty of room for others, but Homer strongly requests that additional reservations be made with him prior to April 17th. Write or telephone Homer at 891 Pacific Electric Bldg., L.A. - MI-6251.

SACRAMENTO SOCIETY

A new group, the Sacramento Geological Society, was formed on February 9th. Approximately twenty-five geologists compose the charter-member nucleus. Among them are several oil company representatives and many geologists of federal or state agencies whose offices are in the Capitol City.

Ray Treacher of the U.S.E.D. was elected the first president, and as their first speaker Mr. Dart Wantland, Chief Geophysicist of the U.S. Bureau of Reclamation, addressed the group on "The Use of Geophysics in Engineering Investigations."

CROSS OFF JUNE 9TH!

Instead of worrying about that Superior well, take pencil in hand, X out June 9th on your desk calendar and plan to spend the day at the annual A.A.P.G. golf tourney and Pico Canyon picnic. Tea and crumpets as usual.

A tennis tournament to be run concurrently with the golf tourney has been suggested. If sufficient interest is shown arrangements will be attempted. If you are interested please mail a post card immediately to Rolfe S. Johnson, c/o Barnsdall Oil Co., 714 West Olympic Blvd., L.A. 15.

BAKERSFIELD MEETING

At the regular meeting of the San Joaquin Geological Society for March, H.F. (Pete) Peterson, head of the surveying and drafting departments for Shell in the Pacific Coast Region, gave a most interesting talk on "Map Reproduction".

Pete discussed the advantages and limitations of contact versus non-contact printing and wet versus dry developing processes; the end products being Van Dyke negatives, Ozalids, and Brown and Blue Line Prints. The relative costs of these processes were considered in the light of the service obtained from their products, and the particular problems of the geologist received attention.

Photographic processes such as the photostat and film methods were analysed and a discussion of the necessary allowance for the "time element" when these processes are used, completed the talk.

Much interest was shown by the large audience as was evidenced by the numerous questions and comments.

NATIONAL OFFICERS

The results of the national election show the following to be officers-elect of the A.A.P.G. for 1950-51:

Mr. C. L. Moody, Division Geologist for The Ohio Oil Co. in Shreveport, La., is president-elect. Mr. Moody is a native son being born in Compton, Calif. in 1888. He received his geological training at the University of California and has been affiliated with the Ohio Oil Co since 1918. He has been very active in Association affairs, being editor of the Bulletin from 1947-1949.

Mr. John Emery Adams, Standard Oil of Texas, Midland, Texas, is vice president-elect. His most recent A.A.P.G. activity has been service as a consultant for the Research Committee.

Mr. Henry N. Toler, Manager of the Geological and Land Department of the Southern Natural Gas Co. at Jackson, Miss., is the Secretary-Treasurer elect, succeeding himself for the third time.

Mr. A. H. Bell was also returned to office as Editor of the Bulletin.

L. A. FORUM

Dr. Vito Vanoni of the Hydraulic Engineering Department of Cal. Tech. pointed out some very strong similarities between phenomena observed in liquid transportation of sediment and gaseous transportation of sediment. One of the most striking similarities is the shape of some atmospheric storm fronts (as marked by suspended dust particles), in comparison with the shape of a stream of sediment-laden liquid, in gravity flow, into a laboratory tank of lesser density liquid. Turbidity or density currents were discussed with criteria for their recognition being pointed out. The nature of particle movement of liquids in supposed stream line flow was examined critically.

An interesting account of the sources of information and the methods and techniques employed in presenting this information as land maps was given by Mr. R. Pridgeon of the Homer Dulin Co.

Mr. Remington Stone, a mining engineer, commented on pictures taken during the 1941 and 1949 eruptions of Mauna Loa.

**EXECUTIVE COMMITTEE, PACIFIC SECTION
AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS**

J. R. Pemberton	President
Arthur S. Huey	Vice-President
Milton W. Lewis	Secretary-Treasurer
Clifton W. Johnson	Past-President
John T. Isberg	San Joaquin Representative

PACIFIC PETROLEUM GEOLOGIST

Published monthly by the Pacific Section, American Association of Petroleum Geologists. Address communications to the: Pacific Petroleum Geologist, Room 932, 714 West Olympic Blvd., Los Angeles 15.

Editor: John Loofbouroow
Assistant Editors: Ted Bear
Sam Stewart

Department Editors:

Activities:	Robert Maynard
Personel Items:	Richard Ballantyne
Selected Bibliography:	Jack Tomkins
Calendar:	J. Douglas Traxler
Cartoonist	Harold Sullwold
San Joaquin Representative:	Everett Pease
San Francisco Representative:	Willard Classen
Coast Representative:	Robert Paschall
Salinas Representative:	James O'Flynn

Next Deadline April 24, 1950

"TO SEE OURSELVES AS OTHERS SEE US"

A most interesting talk was given March 9th at the Roger Young Auditorium for the March Luncheon meeting of the L.A. section. Mr. Wallace B. Curtis, Manager of General Petroleum's Public Relations Department addressed the group.

Mr. Curtis stated the need of good public-relations work dated from the days of Adam and Eve. At the present time the greatest job of public-relations work in this country is being carried out by our federal government solely to further its interests. This in itself necessitates a comprehensive program by the oil industry for self-preservation and to combat the further spread of bureaucracy.

An A.P.I. survey made in 1946 and reconducted more recently showed a surprising ignorance or lack of interest of oil industry problems in the mind of the layman. "Tax the big corporations and spare us the burden" was more or less the attitude. This feeling of antipathy or apathy was the result of inadequate public knowledge of the aims and methods of the oil industry. It is the job of each of us to so conduct our personal and business affairs as to reflect favorably on our company or industry, and at the same time inform the lay people with whom we deal of our aims and reasons, rather than shrouding all in secrecy, thus excluding their cooperation.

A.I.M.E. MEETING

A red-hot panel discussion on the subject, "The Role and Responsibilities of the Geologist versus the Engineer in the Exploration and Exploitation of our Mineral Resources" was sponsored by the Mining Branch of the Southern California Section of A.I.M.E. on March 2nd at U.S.C.

Some 184 interested persons attended the meeting at which the discussion ranged from the present day curricula of geological and mining engineering students to the employment policy of mining companies as compared with oil. Some lusty swings at mining company management were taken by A.E.J. Engel Associate Professor of Geology at Cal.Tech. He was answered competently by Jim Noble.

The effects of the recent registration law insofar as it applied to the practice of geology were debated and the responsibilities of the geologist and engineer in exploiting a unique natural resource received comment.

PERSONAL ITEMS

Dick Ten Eyck of Continental is leaving our midst to go to Houston as Assistant to the Chief Geologist, J. A. Culbertson.

Carl H. Gerdes, formerly with United Geophysical, may now be found at the Los Angeles office of Western Geophysical.

The Bolsa Chica Oil Corporation offices fully equipped with geologist Bill Wrath, can now be contacted in the General Petroleum Building, 812 South Flower Street, Los Angeles 14.

Tide Water dominates the weekly A.A.P.G. luncheons in the San Francisco area of late with seven out of sixteen present being "Menkenites". By the way -- has anyone found Menken's rain coat yet -- lost at the fall A.A.P.G. meeting?

Paul Hayes is now the Southern California Petroleum Corporation's geologist covering the Cuyama and San Joaquin areas. He has recently been with Capital Company in Bakersfield.

Tony Morris has resigned his position with General Petroleum and has taken another with D. D. Feldman in West Los Angeles.

Those fortunate enough to attend the Branner Club dinner meeting at Cal Tech on March 7th heard Dr. James Gilluly give an extremely interesting talk on "Recent Ideas of the Origin of the Earth".

Ray Hancock of Lane Wells has gone to Texas and points east for a one year tour of duty.

William M. "Bill" Quackenbush, Stanfordite, has been transferred to Union's Whittier office from Louisiana.

Two recent U.C.L.A. graduates, Herbert Mann and Bill Mantz, are now working for Shell in Bakersfield.

Chuck Edwards, who has been in General Petroleum's Los Angeles office has been transferred to Ventura. House hunting is his biggest headache -- does anyone know of such an animal?

Robert L. Anderson of Geophoto Service is now in Denver. Bob spent all of 1949 in Ethiopia doing surface reconnaissance and some detailed mapping.

Changes in personnel of Continental Oil Company find Olen Lane becoming Manager of Exploration for the Pacific Coast Region, Larry Graham moving up to head the Land Department of the Pacific Coast Region, and J. B. Anderson becoming Assistant Division Geologist for Exploration.

Bill Lewis is the proud possessor of a well-equipped trailer -- could it be that anticipation of weekend excursions during fishing season was a contributing factor toward this purchase?

Walter Stokesbary, reputedly with the Shell Oil Company, recently claimed affiliation with another major oil company before a gathering of geologists in Bakersfield. We wonder if this could indicate a new trend in thought or perhaps might even suggest a new form of scouting technique. This should bear watching!

Does anyone want to buy a suit? Free consultation service is being offered in this line by three of Bakersfield's best -- Bob Kelly, Everett Pease and Lash Forrest. We understand that under their tutelage you can buy \$68 suits for not more than \$130 -- and what material!

Frank Tolman, Richfield, is seriously ill in Pottengers Sanatorium, Monrovia. No visitors are allowed at present.

Honolulu's Cutler Webster has been seen carrying arm loads of sample bags from the mouth of the Tecolote Tunnel - when will the sampling parade begin in earnest?

Lee Jordan has recently returned from some work in the Bahamas and is now employed by Bankline and located in Bakersfield.

Tony Morris, formerly with General Petroleum in Bakersfield, is now associated with D.D. Feldman as geologist for Feldman's California operations. His offices will be in Westwood Village.

Paul Hayes is now geologist for Southern California Petroleum Corporation in Bakersfield.

If any of your friends from the Shell Company or from Standard Oil Company disappear this summer, you might look for them in the wilds of Nevada.

For several days the atmosphere in Seaboard's Bakersfield office was one of anxiety and expectation, and from time to time confusion reigned. For instance, one young mudsmelter appeared at the office wearing a light brown shoe and a dark brown shoe. However, all is calm now and cigars are plentiful. It seems that on March 23rd, Wilton McCombs became the father of a boy, Michael David, which makes the count 3-0 for him---then, not to be outdone, Max Capen announced a baby girl, Janet Avery, on March 25th. The air of satisfaction is so thick that you can cut it with a knife.

Tom Etherington, Standard geologist, failed to get his Standard-Union "Hofert" well through the volcanics and is back in town.

Russ Simonson finds his weekend commuting from Glendale to the Ohio's well on the Alisal ranch near Solvang quite bothersome - it complicates those Saturday night square dances.

Robert A. Ortalda, recent California graduate, is now working for Standard at Ojai under Bill Merrill.

Aden Hughes is sporting a new Olds "88" and is also getting advice and instructions from his wife regarding his contemplated convention behavior.

Speaking of automobiles - Standard Oil geologists have sprouted out with so many new company cars that we think their department must at last have something on the purchasing department.

B I O G R A P H Y

J. R. Pemberton

Called "Bill" by hundreds of oil men John Roy Pemberton was born September 22, 1884 in Los Angeles. On moving to San Francisco in 1902, classmates in High School thought "Roy" was a hell of a name and decided to call him "Bill"; it stuck, and Bill himself has to check his birth certificate every now and then to make certain it really isn't so. He is class of 1908 at Stanford where his first two years were civil engineering.

At Stanford he was chosen to become a member of Kappa Alpha social fraternity and the Sigma Xi scientific society. He holds the distinction of being one of the few students to play on six Stanford football teams and in four of the six seasons he played against California. (In those days the only regulations insofar as eligibility was concerned were that the player be a registered student, undergraduate of any year or graduate student, and that he not be a professional player.) He rowed second oar on two Stanford crews that "beat the deleted deleted deleted out of everybody". Bill was known as the "Champ" while at Stanford because from the day he matriculated until the day he was graduated he was unbeaten in a fight, and he was ready and willing to take on all comers. During these years Bill was 6'4", 219 lbs. of coordinated muscle, full of censored and vinegar. In his honor, after Stanford organ-

ized a boxing team, the Pemberton Cup was given each year to the outstanding fighter on that team. Bill refused several offers to turn professional and fight toward a bout with Jeffries and/or Willard.

Bill, in addition to being President of the Pacific Section of the A.A.P.G. and a staunch member of A.P.I. is a member of the San Diego Museum and on the Board of Governors of the L.A. County Museum. He is an ornithologist of note and has been president of the Cooper Ornithological Club which is an international organization dedicated to the description of new species of birds, their habits, and distribution.



Bill spent five years doing field work, with other geologists and geographers, for the Argentine government. As this work was done during the years 1911-16, he may well be classed as a pioneer explorer of the Argentine. The work was that of land classification which meant deciding which lands were suitable for mineral exploration, which for grazing, which for agriculture, forest reservations, etc. The present prosperity of that country testifies to the soundness of the conclusions reached.

During the years 1918-23 Bill was employed, with other geologists, to find oil for the Newmont Corp. At the end of this period a production of 5000 B/D. had been established.

He became chief geologist for E. L. Doheny in 1923 and supervised the exploration program which resulted in much increased production for Mr. Doheny. During 1923 to 1931 Bill kept 15 strings of tools busy all the time in California.

From 1932 to 1940 the job of Oil Umpire for the Petroleum Producers of California kept Bill busy and this is particularly significant since none of his predecessors held the job for longer than one year.

Since 1940 he has been a consulting petroleum geologist and engineer principally occupied in estimates of reserves and evaluation work for mergers, dissolution of corporations and inheritance tax matters. Bill gets away about once a year for a trip of at least a months duration--Canada, Colombia, and Mexico having been visited in the last three years.

Bill now resides in Cheviot Hills where everything would be wonderful if the "censored-censored fog" were not present.

FLASH!

Frank Parker, Signal, has accepted the chairmanship of the Fall Meeting of the Pacific Section of the A.A.P.G. to be held Oct. 19-20 at the Ambassador Hotel.

CALENDAR

Apr. 4, 1950; Tues. 7:00 p.m. AAPG Coastal Geological Society, Dinner Meeting, Town House, Santa Barbara. N. Johnston, "Interpretation of Core Analysis", and Navy Film, "Atom Bomb Test at Bikini".

Apr. 6, 1950; Thurs. 12:00 Noon, AAPG Pacific Section, Luncheon Meeting, Rodger Young Auditorium. Dr. E. K. Soper, "Oil Possibilities and Recent Developments in Mexico".

Apr. 6, 1950; Thurs. 6:30 p.m. CNGA Dinner Meeting, Rio Hondo Country Club, Downey. C. N. Sjogren, "Design for Inshell Heat-Transfer".

Apr. 7-8, 1950; GSA Cordilleran Section, Annual Spring Meeting, Seattle.

April 11, 1950; Tues. 7:00 p.m. AAPG San Joaquin Valley Geological Society, dinner meeting, El Tejon Hotel, Bakersfield. Paul Payne, "Evaluation in the Oil Fields" - Evaluation Consultant.

Apr. 13, 1950; Thurs. 6:30 p.m. AIME Junior Petroleum Group, Dinner Meeting, Rio Hondo Country Club, Downey.

Apr. 17, 1950; Mon. 7:00 p.m. AAPG Pacific Section, Forum, Edison Building Auditorium, Los Angeles. Scripps Institution, "Oceanography Symposium".

Apr. 18, 1950; Tues. 8:00 p.m. API San Joaquin Valley Chapter, Taft.

Apr. 20, 1950; Thurs. 6:30 p.m. So. Cal. Meter Assn. Dinner Meeting, Rio Hondo Country Club, Downey.

Apr. 24, 1950; Mon. 7:00 p.m. AIME Petroleum Technology Group, General Petroleum Auditorium, Los Angeles. S. T. Yuster, "Theory, Principles, Objectives and History of Water Flood and Accomplishment". First of a series on water flooding.

Apr. 24-27, 1950; AAPG National Convention, Stevens Hotel, Chicago.

PACIFIC PETROLEUM GEOLOGIST
PACIFIC SECTION, A.A.P.G.
ROOM 932
714 WEST OLYMPIC BLVD.
LOS ANGELES, 15, CALIFORNIA.
RETURN POSTAGE GUARANTEED

Vol. 4, No. 3

BIBLIOGRAPHY
OF RECENT PUBLICATIONS

****Pacific Coast Geology**
***Other Articles of Special Interest**

SCIENTIFIC PUBLICATIONS - JOURNALS, BULLETINS, ETC.

Calif. Jour. of Mines & Geology, Vol. 46, No. 1, January 1950

"Submarine Phosphorite Deposits Off California & Mexico" by K. O. Emery and R. S. Dietz, pp. 7-15.

**"Geology of the Placerita Oil Field, Los Angeles Co., Calif." by Gordon B. Oakeshott, pp. 43-79.

Geol. Soc. Amer. Memoir 35, 1949

**"Geology of the Coast Ranges Immediately North of San Francisco" by Charles E. Weaver, 242 pp, 8 geologic maps.

**"Oil & Gas Possibilities of Utah-Symposium"

Compiled by George H. Hansen and Mendell M. Ball. Price \$5.00. Available from Director, Utah Geological & Mineralogical Survey, College of Mines & Mineral Industries, Univ. of Utah, Salt Lake City, Utah.

**"Sedimentary Rocks" by F. J. Pettijohn,
New York, Harper Bros, 1949, 526 pp,
131 figs, 40 pls, 139 tables. \$750.
Invaluable to the geologist.

TRADE JOURNALS AND MISCELLANEOUS MAGAZINES

Mining Engineering, Feb. 1950

"Ground Water in California" by
J. F. Poland, pp. 279-283.

Mining World, Feb. 1950

"Colorado Plateau Uranium" by
Norman Ebbley, pp. 10-15.

Petroleum Engineer, March, 1950

"Possibilities for Production of
Liquid Fuels from Shale, Natural
Gas and Coal - Part I" by Paul
D. Torrey, pp. A-39-A-44.



Mr. Fred R. Neuman
381 E. 4th St.
Chico
California

PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 4

May 1950

No. 5

ASSOCIATION ACTIVITIES

OCEANOGRAPHIC SYMPOSIUM

L. A. LUNCHEON

A near record turnout of 103 geologists and guests assembled at the Rodger Young Auditorium for the regular April luncheon meeting.

A most interesting account of "The Oil Possibilities and Recent Developments in Mexico" was given by E.K. Soper, consultant geologist for Signal Oil and Gas Co.

Dr. Soper, who has recently returned from the region, showed many of his Kodachrome and black and white lantern slides.

A generalized introduction to the geomorphic provinces of Mexico served to orient those geologists who were unfamiliar with the area. In a consideration of the three major producing regions of the Tampico Embayment, Dr. Soper believes that the producing horizons are one and the same, and that different facies of the Cretaceous account for the confusion that has existed in regard to correlation between the regions. Production in the Isthmus region has to date been from Tertiary sands, the Cretaceous section never having been tested.

Potential offshore production was discussed, and a very strong point for Mexican exploration was made by simply showing an oilfield location map on which there were practically no producing regions in northern Mexico in comparison with the numerous fields of southern and southwestern Texas.

A short introduction to the geology around a currently drilling well (The Xicalango No. 1) which is located some 150 miles from any present commercial production, closed Dr. Soper's talk.

Questions and discussion were limited to informal groups after adjournment.

S. E. P. M. DINNER

At a recent meeting of the Pacific Section, S.E.P.M., Tom Rothwell, Richfield, spoke on, "Ecological Zoning of Ostracode and Their Application to Stratigraphy". Mr. Rothwell's efforts have been centered on applying studies of the distribution of living ostracode to the interpretation of their fossil tests in cores. Moving pictures of ostracode living in Newport lagoon were shown, and distribution profiles across San Pedro Channel and in San Diego waters were presented.

Based on samples collected by members of the Woods Hole Oceanographic Expedition of 1947, a study of Recent ostracode shells along the Gulf Coast of Texas and Louisiana has been made. The samples are the same ones as provided the data for Dr. Fred Phleger's discussion of sedimentation and foraminiferal zoning. Five biofacies of ostracode were recognized in the Gulf cores.

Presentation of ecologic profiles across the Midway-Sunset oil field in the Etchegoin Formation concluded Mr. Rothwell's excellent talk.

VALLEY SCOUT PICNIC

The Annual San Joaquin Valley Scouting Association Picnic and Barbecue is scheduled May 12th at Shell Park, east of Bakersfield. Fortunately, for the Los Angeles contingent, it is usually necessary to be in Bakersfield at this time on unrelated but none the less urgent business.

The regular forum meeting for the L.A. group was held April 17th at the Edison Bldg. Auditorium. Under the direction of Jack Elam, Cameron Oil Company, the program presented three very interesting talks by workers in the field of oceanography.

Warren Thompson opened the subject with a discussion of "The Oceanographic Environment off the California Coast". Defining this marine province as extending from the coast line approximately 150 miles seaward between Point Conception and San Diego, Mr. Thompson emphasized the shape and distribution of troughs and highs and classified the area as a submerged basin-and-range type region. Continuing, a discussion of the types of sedimentation now occurring on this surface of some 6-7000 feet relief served to drive home the point that an unconformity as seen in the field may well represent deposition of material on a surface with a mile or so of relief in a horizontal distance of 10 to 15 miles. Practically no clastic sedimentation has been observed on submarine topographic highs such as Cortez and Forty Mile Banks. The only material found is phosphorite in the form of oolites, nodules and glauconite. On the other hand, from geophysical data, it is thought there is on the order of 8000 feet of clastic sediment accumulation in the Santa Cruz Basin. A short discussion of the probable factors effecting diatomaceous sedimentation concluded Mr. Thompson's talk.

Jack Ludwick presented evidence based on the descriptions of numerous bottom cores in the San Diego Basin that sediment moves in submarine canyons from areas of accumulation immediately offshore, into the deep basins. A great deal of data, which may well provide the basis for many valid conclusions in regard to sedimentation in the San Diego Basin, was presented by Mr. Ludwick.

Paul Horrer presented a very interesting talk on "Wave Action on Offshore Drilling Structures". A consideration of the factors causing destructive wave action helped many of the audience to visualize what precautions could be taken in the location of an offshore drilling platform. The importance of the selection of this site where wave energy convergence does not occur was emphasized, and the means of determining, by wave refraction diagrams, where these areas of convergence and divergence are along a coast or bank was illustrated. A discussion of the recent damage by hurricane waves to the Ohio Oil Co rig in the Gulf of Mexico and a consideration of design of structures to withstand wave forces concluded Mr. Horrer's talk.

A.A.P.G.-S.E.P.M. TRIPS

The Northern California group of the Pacific Section A.A.P.G. plans to be host to the S.E.P.M. for a two day field trip May 12th and 13th. The type localities of the Sidney, Markley, Nortonville, and Meganos formations will be visited in the Mt. Diablo region.

Headquarters for the trip are the Old Hearst Ranch, Pleasanton, California, at which the famous recreational facilities include golfing, swimming, and riding (for the enjoyment of lonesome wives.) Rates are \$8.55 per person per night which amount includes supper and breakfast.

Reservations should be made as soon as possible with C.C. Church, 79 New Montgomery Street, San Francisco 20, California.

**EXECUTIVE COMMITTEE, PACIFIC SECTION
AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS**

J. R. Pemberton	President
Arthur S. Huey	Vice-President
Milton W. Lewis	Secretary-Treasurer
Clifton W. Johnson	Past-President
John T. Isberg	San Joaquin Representative

PACIFIC PETROLEUM GEOLOGIST

Published monthly by the Pacific Section, American Association of Petroleum Geologists. Address communications to the: Pacific Petroleum Geologist, Room 932, 714 West Olympic Blvd., Los Angeles 15.

Editor: John Loofbourow
Assistant Editors: Ted Bear
Sam Stewart

Department Editors:

Activities:	Robert Maynard
Personal Items:	Richard Ballantyne
Selected Bibliography:	Jack Tomkins
Calendar:	J. Douglas Traxler
Cartoonist:	Harold Sullwold
San Joaquin Representative:	Everett Pease
San Francisco Representative:	Willard Classen
Coast Representative:	Robert Paschall
Salinas Representative:	James O'Flynn

Next Deadline May 22, 1950

COAST GEOLOGICAL SOCIETY

Mr. Norris Johnston, of Petroleum Technologists, recently favored the Coast Geological Society with a talk on "Interpretation of Core Analyses" that was at once both informative and entertaining.

He pointed out that a core lab sand sample's fluid content is subject to the whims of a small army of variables. The more important of these are:

1- Drilling mud type, whether oil-base or a water-base or oil-emulsion mud. The first type is not so inclined to displace formation oil; either of the latter two may displace formation fluids to a critical extent.

2- Oil mobility: this factor is directly proportional to the individual effects of oil gravity, solution gas-oil ratio, temperature, and sand permeability.

3- Pressure gradient between the well-bore and the formation: this gradient is determined by the mud weight and the well depth, on the one hand, and the formation pressure on the other. The gradient determines the inclination of the drilling fluids to penetrate the formation.

4- Exposure of core to drilling fluids: this feature is dependent on such items as the speed of coring, the size of the core, and stratification of the sand. A laminated or shale-streaked sand is not so subject to infiltration as a massive sand, which possesses greater vertical permeability.

Mr. Johnston drew a qualitative chart, depicting the fate of oil, gas, and water, on a sand sample's trip from the formation to the core barrel to the laboratory. Oil, he maintained, progressively diminishes in total fluid content, so that the lab sample is almost invariably lower in oil content than it was before being cored. Water increases as the sample passes from the formation to the core barrel, due to drilling fluid infiltration. It is then apt to decrease on its way to the lab, as a result of evaporation. Gas progressively increases in the total percentage equation, coming out of solution as the sample pressure decreases.

Separate and important fields in which core analysis may assist the geologist and engineer were noted; they are:

1- Electric log interpretation, particularly in those borderline cases where the electric log does not resolve all doubts as to type of fluid content.

2- Well completion practice: determination of liner slot-size, of well-washing fluids least apt to hydrate and seal off sands, and other features.

3- Reserve estimates: accumulation of data relative to recoverable oil present in a pool.

In a lively question-and-answer session following his formal speech, Mr. Johnston noted, among other things, that:

1- In a sequence of samples which contains one anomalous sample, he has usually found it safe to ignore the anomaly, and rely on the consistency of pattern furnished by the other samples.

2- The core analysis lab cannot go out on a technical limb when it has to deal with sidewall samples, because of the flushing of such small samples by drilling fluid.

S.E.G. ANNUAL SPRING MEETING

The annual spring meeting of the Pacific Coast Section of the Society of Exploration Geophysicists will be held on May 19, 1950, at the El Tejon Hotel in Bakersfield, California.

The afternoon session of the spring meeting will convene at 2:00 P.M., in the Spanish Room of the El Tejon Hotel. An excellent series of papers has been planned as a velocity symposium. These papers will give an overall summary of the uses, purposes, and problems of velocity in the geological interpretation of seismic information. The primary purpose will be to acquaint the younger geophysicists and geologists in a non-technical manner with the importance and methods of velocity uses and corrections.

Following the afternoon session a dinner meeting will be held in the Spanish Room starting at 7:00 P.M. After the dinner, Mr. J. B. Hudson of the Humble Oil and Refining Company will give a brief summary of the Society of Exploration Geophysicists' business meeting at the National Convention in Chicago. The speaker of the evening, Mr. Leo R. Newfarmer, West Coast Exploration manager of the Shell Oil Company will talk upon "An Outline For Progress in Oil Exploration". All geologists, geophysicists and others interested are invited to attend these meetings.

ATOLLS - TURBIDITY CURRENTS

Mr. P. H. Kuenen of the Geologisch Instituut, Groningen, Nederland, arrives in Southern California May 9th to speak at U.C.L.A., Cal. Tech, and U.S.C.

Mr. Kuenen is a geologist of international reputation whose work on rates of sedimentation in the sea, and the mechanism of folding, have gained him fame. He comes to the west coast after an extended speaking tour of leading eastern universities and participation in the S.E.P.M.-A.A.P.G., Chicago, convention symposia. He will address local audiences on "The Problem of Atolls" and "Turbidity Currents".

PERSONAL ITEMS

Ed Ogier, Lloyd Corp., has been wearing his legs down to stubs surveying locations in the wilds east of Ventura Avenue.

Gil Bowen, formerly with Standard, and now District Development Geologist for Standard of Texas in Midland is drawing plans for a four-bedroom hotel to house his family.

C.C.M.O.'s John Fackler passed out pink ribbed cigars a month ago announcing the birth of a daughter, Joan. Congratulations, though late, are in order.

James Edward joined the George Quick household early in March and weighed in at 8 lb 13 oz.

It's a boy at the Phil Pattons. James was born on Easter Sunday.

The Jerry Rickels announce the arrival of their son, David Bruce, born March 2 and weighing in at 7 lb 12 oz.

Walt Gerhard of Amerada recently left Ventura and is now located in Solvang.

Roger Dungan, late of Conoco's Ventura office, is currently in the field in the San Joaquin Valley.

Dan Nolan is now with Continental Oil Company in Bakersfield.

Bud Bryan, the popular "Schlumberjay" man, is being transferred to Bakersfield.

Paul Land has recently joined the Honolulu geological staff in Bakersfield. Paul, who is a graduate of the University of Pittsburg, perhaps should be warned that knowing how to sing "Come Join the Band" would probably be to his advantage.

The ranks of the Bakersfield Bachelor Corps were reduced by one on April 17, when Bob Rist married Miss Mary Jo Hazle of Bakersfield.

It is sincerely hoped that Jack Beach was able to make full use of all the gifts presented to him by his friends and admirers at the time he departed for Chicago.

Tilden Fryar has just moved into his new home.

Harry Campbell, who has been hospitalized for the past 3-1/2 months has improved considerably and has now returned to his home.

Homer Steiny is taking his customary vacation with the Santa Barbara Visitadores on their annual horseback trek through the back country, and reports at the Mission for prayer on May 7th.

Jack Cooper, Conoco District Geologist located at Durango, Colorado, has been vacationing with his wife and family in his old stamping grounds around Los Angeles.

The Ventura offices of Amerada Petroleum Company have been moved to 1673 North Ventura Ave.

Dr. M. N. Bramlette of U.C.L.A. has left for North Africa where he will do stratigraphic work for the Gulf Oil and Refining Company.

Frank Tolman can now receive visitors at Pottenger's Sanatorium, Monrovia, at times other than from 2 to 4 P.M.

Punk Paulsen has finally had his tonsils out after their giving him a rough time this past winter. We hope his recovery will be speedy.

Ed Hendrix is up and about after finally recovering from the -- mumps!

Robert Hacker, California '50, has been employed by Union and reports at Orcutt.

Dan Pickrell, Golden Gate Petroleum, and Secretary-Treasurer of the Northern Group, is now in Vancouver, B.C. trying to acquire a Canadian accent.

Bill Kew of the Standard clan has returned from a months trip through the southeastern United States. No doubt he will spend some time delving into viniculture, as well as oil prospects.

John Wiese became the proud father of a daughter on April 14 when his wife presented him with Patsy Joy.

Another addition to the sandpile set is Thomas Joseph, born April 5th to the Bob Galeskis -- this is their fifth child.

Bill Griffin, another misplaced Californian down Houston way, was in town recently on a business trip. Bill is the General Sales Manager for Daniel Orifice Fitting Co.

Salinas Valley lost another good man in April when G. P.'s Quentin Moore was transferred to Coalinga.

Under the expert and seasoned leadership of Bill Pemberton, the Geologist's Convention Special to the National Convention in Chicago left on the Union Pacific, Friday, April 21st at 5 P.M. Kemp Barley of the Baroid Company had supplied each traveler with a rubber ball-oon and these were tied to each finger presenting a colorful appearance. More colorful were the beautiful women travelers with a gorgeous orchid pinned on them by Mr. Henry Davis of the Rapid Blue Print Company. Bill Brooks of the Byron Jackson Company had supplied a dozen packages of playing cards which were not in so much evidence at the start of the trip, however their kinetic energy could be easily envisaged. Frank Morgan and Rollin Eckis occupied the master bedroom closely followed by Loyal Nelson. Bill Klein-pell got aboard without trouble, however John Kil-kenny showed up with a bow necktie and the Union Pacific officials started an investigation. No pumpkin papers were found prior to departure although there were other things in bond aboard. The Metro-Goldwyn-Mayer Company was on the job taking stills and the scene of departure was covered for the Hearst papers by Louella O. Parsons. Several personal pictures and interviews were taken, including Bob Moran and his little boy Bill; Chester Cassel with his hat off; the Hollywood twins, Roth and Cabeen; Jack Knight looking as handsome as ever with a leaking suitcase; Corey talking to Barnes; and other touching scenes.

Harold Sullwold and his wife have recently returned from a two-week vacation via airplane to Mexico City, Yucatan, and Guatemala. They spent the major portion of their time at Lake Atitlan in Guatemala. Sully reported the food there "the best he'd ever eaten" and commented on the unusual sight of pumice floating on the lake.

Stafford Park has been elected president of the Associated Terrier Breeders of Southern California. Stafford raises Kerry Blue Terriers and has three champions.

Johnny Huber returned to Continental the middle of April.

Wilshire Oil Company has moved its Santa Paula offices to 356 Fillmore Street, Fillmore.

Mr. and Mrs. Jim West are touring southern Europe by airplane.

Pete Hall and family have recently been sharing headlines with a goat, up Ventura way. The goat is the Hall's own Arbor Alta, a pure-bred Swiss Saamen. Just keeping up with the family, Arbor Alta recently gave birth to four kids.

Walker Clute has generously donated a chest microphone to the General Petroleum auditorium for the use of the A.A.P.G. and A.I.M.E.

Hans Ashauer of the Texas Company has been transferred from King City to Taft. As District Geologist for the North Coastal District, he will be in charge of all operations in the Garrizo Plains-Cuyama Valley Area. Ken Myron and J. Ernst will report to Ashauer in the Taft office.

Late in March some 18 of the Salinas guys and gals got together to bid farewell to C. F. Schiesser and John Cassell. Standard's diggings in Nevada is their destination. Tom Dibblee, a travelin' man, showed his collection of marbles, all 800 of them, to the group who were much impressed.

Tom Folsom of Honolulu has accused the scouts who have Tuesday luncheon at Castaic Junction of putting rocks in his hubcaps. All various and sundry scouts deny any such knowledge, intent or action--could be that gremlins are active in that district.

Forum meetings in Los Angeles must be getting popular as evidenced by Charlie Allen's flying down from Bakersfield, April 17th, with Evan Burtner and Dick Staples keeping him company.

CALENDAR

- May 6, 1950; Sat. API San Joaquin Valley Chapter, Annual Golf Tournament & Barbecue, Bakersfield.
- May 8, 1950; Mon. 8:00 p.m. API Coastal Chapter, Ventura.
- May 9, 1950; Tues. 7:00 p.m. AAPG San Joaquin Valley Geological Society, Dinner Meeting, El Tejon, Bakersfield.
- May 9, 1950; Tues. 3:00 p.m. UCLA, Rm. BAE 147, Dr. P. H. Kuenen, "Problems of Atolls".
- May 9, 1950; Tues. 8:00 p.m. UCLA, Rm. BAE 147, Dr. P. H. Kuenen, "Turbidity Currents".
- May 10, 1950; Wed. 8:00 p.m. Cal Tech. Dr. P. H. Kuenen, "Turbidity Currents".
- May 11, 1950; Thurs. 8:00 p.m. USC, Rm. 145, Hancock Foundation, "Problems of Atolls".
- May 11-12, 1950; API Pacific Coast District Annual Spring Meeting, Biltmore, Los Angeles.
- May 12, 1950; Fri. San Joaquin Valley Scouting Ass'n, Annual Barbecue, Bakersfield.
- May 12-13, 1950; Fri. AAPG Northern California Geological Society and SEPM, Dinner Meeting, Hearst Ranch, Pleasanton, Calif., and field trip Saturday to Mt. Diablo region.
- May 15, 1950; Mon. 7:00 p.m. AAPG Pacific Section, Forum, General Petroleum Auditorium.
- May 16, 1950; Tues. 8:00 p.m. API Los Angeles Basin Chapter, Shell Recreation Hall, Long Beach, Jan Law, "Wilmington Field Shear Damage".
- May 16, 1950; Tues. 8:00 p.m. API San Joaquin Valley Chapter, Bakersfield Inn.
- May 17, 1950; Wed. 7:30 p.m. API Coalinga-Kettleman Chapter, Polvadero Country Club, Coalinga.
- May 19, 1950; Fri. SEG Pacific Coast Section Annual Spring Meeting, Bakersfield.
- May 26, 1950; Fri. 7:00 p.m. AIME All Branches Meeting and Presidential Dinner, Rodger Young Auditorium. Speaker, Dr. Donald McLaughlin.
- May 29, 1950; Mon. 7:00 p.m. AIME Petroleum Technology Group, General Petroleum Auditorium. S. T. Yuster, "Review of Technical Water Flood Problems".

PACIFIC PETROLEUM GEOLOGIST
PACIFIC SECTION, A.A.P.G.
ROOM 932
714 WEST OLYMPIC BLVD.
LOS ANGELES, 15, CALIFORNIA.
RETURN POSTAGE GUARANTEED

Vol. 4, No. 5

BIBLIOGRAPHY OF RECENT PUBLICATIONS

- **Pacific Coast Geology**
***Other Articles of Special Interest**

SCIENTIFIC PUBLICATIONS - JOURNALS, BULLETINS, ETC.

****Calif. Div. of Oil & Gas Summary of Operations**
Vol. 35, No. 1 January-June, 1949

****Calif. State Division of Mines, Bull. 149**
"Geology and Mineral Deposits of an Area North of San Francisco Bay" by Charles E. Weaver. Includes geologic report and complete packet of maps and sections. Price \$4.00 - Cloth bound.

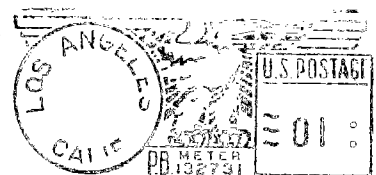
****USGS Prof. Paper 216, 1949**
"Structural Geology of the Hawthorne and Tonopah Quadrangles, Nevada" by H. G. Ferguson and S. W. Muller, Price \$2.00.

TRADE JOURNALS AND MISCELLANEOUS MAGAZINES

Petroleum Engineer, April, 1950.
"Possibilities of Production of Liquid Fuels from Shales, Natural Gas and Coal - Part II" by Paul D. Torrey, pp. A-45-48.

World Petroleum, April, 1950.
"Diamond M. Reef of Scurry Co., Texas", pp. 36-39.
*"Photogeology's Place in Petroleum Exploration" by Laurence Brunall and A. R. Wasem, pp. 35-44.
"The Microlog---A New Aid to Drilling", p. 40.

World Oil, April, 1950.
"Prospecting for Reefs with the Seismograph" by Dr. E. D. Alcock, pp. 74-80.
*"Scurry County Stimulates Search for New Reefs" by W. M. Osborn, pp. 40-47.
*"Stratigraphic Convergence Problems" by Robert R. Wheeler and Robert M. Svesnik, pp. 57-62.



Mr. Fred R. Neuman
381 E. 4th St.
Chico
California

PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 4

June, 1950

No. 6

ASSOCIATION ACTIVITIES

L.A. FORUM

The regular May meeting of the L.A. group was held at the G.P. Auditorium at 7:00 P.M. on the 15th.

Doug. Traxler, Signal was chairman for the meeting and arranged a very interesting program.

Wilbur Rankin gave an account of the activities of Pacific Section delegates and visitors to the national convention. It seems several people traveled approximately 2000 miles to catch the flu and see (from their sickbed) Chicago being inundated.

Norris Johnson of Petroleum Technologists, Inc. spoke on, "Interpretation of Core Analysis for Field Engineers". The topics which he covered included a) data to be secured from core analysis and how it may be interpreted with regard to well completion, b) necessity of core analyses for sound Reservoir Engineering.

Tom Warren, of Ultra-Violet Products Inc. spoke on Fluoro-Analysis in Petroleum Exploration. He presented a very interesting demonstration of the effects of short (2000-3300 Angstroms) and long (3300-3800 Angstroms) wave length light on hydrocarbons. Using a long wave length lamp Mr. Warren showed the fluorescence of crude oil to vary from brown to cream depending on gravity; while refined oil and distillate fluoresce bluish. It was pointed out that there is no emission of light by oils upon removal of the source; that is, oils are not phosphorescent.

S.E.P.M. - A.A.P.G. TRIP

The annual spring field trip of the S.E.P.M. and the northern section A.A.P.G. was held in the classic Northern Mount Diablo region May 12th and 13th. Some 130 geologists and their wives gathered at the Old Hearst Ranch near Pleasanton, to enjoy wonderful food, stimulating conversation, a very well organized field trip and beautiful scenery.

Al Solari started the ball rolling with a discussion of the area to be studied, and Joe Graham spoke on the "Stratigraphy and Foraminifera of the Type Meganos". Opportunity for collecting was made available as the group moved down section and studied the Markley sandstone, Sydney shale, Markley sand, Nortonville shale, the brown Domingene "green-sand", Domingene "white sand", Domingene carbonaceous zone, Capay claystone, Meganos "D" sand, Meganos "C" shale, Meganos "B" sand, Martinez shale, and Cretaceous sand and claystone.

A very complete road log and guidebook with bibliography, geologic map and correlation chart was made available through the efforts of the syllabus committee of C.C. Church, Al Solari, C.M. Cross, and W.E. Dillon. Copies of this syllabus-guidebook are still available and may be purchased for \$1.50 by contacting either Dan Pickrell, Secretary-Treasurer Northern California Group A.A.P.G. at Golden Gate Petroleum Co., 465 California St., San Francisco (4), Calif; or Harry Turver, S.E.P.M. Secretary-Treasurer, Standard Oil Co., 605 W. Olympic Blvd., Los Angeles (15), Calif.

PACIFIC COAST SECTION OF S.E.G. ANNUAL SPRING MEETING

The Annual Spring Meeting of the Pacific Coast Section of the Society of Exploration Geophysicists was held at the El Tejon Hotel in Bakersfield on May 19th.

After a report on Surface Faulting in Kern Front Area by Bradley McMichael of the Standard Oil Company, a velocity symposium was held for the remainder of the afternoon. Comprising the symposium were six papers by John Hale, Robert Dyke, Dave Scott, S. C. Stoneham, Maynard Harding, and John Sloate. T. P. Elsworth, S.E.G. Vice President, was Program Chairman.

Judged best question of the meeting was the following: "If a seismic crew runs directly over an oil accumulation, does it know that?" After much heated debate and a long dissertation by John Sloate on seismograph techniques and refinements, the best answer of the afternoon: "No!" was given by Mr. Sloate.

In the Engineer Section Joe Hudson favored the group with a circuitous harrangue on the S.E.G. business meeting at the recent National Convention. Object of this report was to ease the membership into the knowledge that the national dues are being raised to \$7.50 a year.

Speaker of the evening was Leo R. Newfarmer, who gave the group "An Outline for Progress in Oil Exploration". Among his many encouraging remarks was the one that predicted we may all look forward to continued jobs in the oil profession.

I'D SAY WE BETTER MOVE
DOWN THE FLANK A LITTLE
FARTHER



ANNUAL STAG PICNIC PICO CANYON - FRIDAY, JUNE 9

PRE-PICNIC TENNIS GET-TOGETHER

Come one, come all to Van Nuys Community Playground at the corner of Van Owen and Tyrone Sts., Van Nuys, Time 10:00 A.M. June 9th. Four courts - shade trees. Directions: 2 blocks east of Van Nuys Blvd at Van Owen St., Van Nuys.

EXECUTIVE COMMITTEE, PACIFIC SECTION
AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

J. R. Pemberton	President
Arthur S. Huey	Vice-President
Milton W. Lewis	Secretary-Treasurer
Clifton W. Johnson	Past-President
John T. Isberg	San Joaquin Representative

PACIFIC PETROLEUM GEOLOGIST

Published monthly by the Pacific Section, American Association of Petroleum Geologists. Address communications to the: Pacific Petroleum Geologist, Room 932, 714 West Olympic Blvd., Los Angeles 15.

Editor:	John Loofbourow
Assistant Editors:	Ted Bear
	Sam Stewart

Department Editors:	
Activities:	Robert Maynard
Personal Items:	Richard Ballantyne
Selected Bibliography:	Jack Tomkins
Calendar:	J. Douglas Traxler
Cartoonist:	Harold Sullwold
San Joaquin Representative:	Everett Pease
San Francisco Representative:	Willard Classen
Coast Representative:	Robert Paschall
Salinas Representative:	James O'Flynn

Next Deadline June 27, 1950

WYOMING FIELD TRIP

Of interest to many local geologists is the announcement of the Fifth Annual Field Conference of the Wyoming Geological Association to be held in Southwestern Wyoming August 9, 10, and 11.

Dave Moore of Superior is Field Trip Chairman in charge of actual arrangements.

The area to be studied is that portion of the Green River Basin and the Western Wyoming Overthrust Belt between the Uinta and the Wind River mountains.

The Church Buttes field discovered in 1946 which produces gas and distillate from the Dakota sandstone below 12,000 feet, proved the existence of important reserves in the Green River Basin. The northern part of this basin was the site of the Superior Oil Company 20,521 foot test.

For those wishing to combine pleasure with business, it is said that the 17 inch trout have insatiable appetites in this general region.

A.P.I. BARBECUE

Several prominent Bakersburg geologists whacked and chopped their way around the Bakersfield Country Club in the recent A.P.I. golf tourney. Roy Mead of Mohawk, was able to forget enough strokes to gain a tie for third place. Bud Bryan of Schlumberger distinguished himself by shooting next to the poorest score posted. Joe Shea of Richfield should have won a prize for starting off the 1st tee with the oldest set of clubs, (termites in his woods--yet!).

The affair was arranged and managed by Roy Mead and Tom Fitzgerald. Wonder why Tom didn't win a prize--maybe it had to look honest.

STANFORD TRIP

Led by Drs. Levorsen, Muller and Vanderhoof of the Stanford faculty, a horde of sixty-five geological Redskins invaded Ventura County on May 12th and 13th. Students and faculty were guests of the Shell, Tidewater-Associated, Continental and Texas companies and were taken on a tour of the Ventura Avenue, San Miguelito and South Mountain oil fields. The group was favored by a series of talks on the local geology by Tom Bailey, consultant, and by Lyle Smith, Don Greenlee and Ellsworth Curry of the Shell Oil Company staff. The piece de resistance of the trip was a Saturday night barbecue at the Shell clubhouse.

A.I.M.E. LUNCHEON

On May 18th a group of some 50 interested oil men attended a luncheon meeting at the Clark Hotel to hear Mr. L.A. "Doc" Cranson speak on "Our California Heritage in Oil". Mr. Cranson, Executive Vice President of Honolulu Oil Corp. and President of the Oil Producers Agency of California, presented the view that we should promote a state controlled conservation law to forestall federal control of production. A discussion of some of the points of the present California Conservation Law was presented.

Bill Pemberton was caught flatfooted in flattery when asked to comment on the Canadian situation -- it seems he told Doc Cranson he had flown from Canada to hear him talk, when actually Bill's trip consisted of a bus ride from the Petroleum Building to the Clark Hotel.

U.C.B. NEWS

The Department of Paleontology at the University of California at Berkeley has been expanded and now has six full time instructors. Attempt has been made to integrate the curriculum with that of the departments of Geology, Botany, Zoology, Anthropology, and the School of Engineering.

Announcement is made of the receipt, for the year 1950-51, of the Standard Oil Fellowship for graduate research in invertebrate paleontology.

Many theses of interest to petroleum geologists are now in the process of being published, including work on Paleocene and Eocene Foraminifera in portions of the San Joaquin Valley and the Coast Ranges.

NOTE: CONVENTION PROGRAM

Any and all persons who are desirous of presenting a paper at the technical sessions of the fall convention in mid-October, are requested to notify as soon as possible the program chairman, Russ Simonson, Ohio Oil Co., 437 S. Hill Street, Los Angeles.

U.C.L.A. DINNER

The members of the Geological Society of U.C.L.A. were hosts to many members of the A.A.P.G. at their annual banquet on May 11th. After a very pleasant ice-clinking session preceding the excellent prime rib, Bill Geis introduced Carrol Wagner, G.P., Leo Newfarmer Shell, and Ed Hamner, Humble, as speakers for the evening. The texts of the talks ranged from the economics of the oil industry through the future of exploration to the need for emphasis in engineering training for geologists. Cord Durrell reported on the status of the geology department and promised an open house upon completion of the new geology building.

GOLF TOURNAMENT

Time: Morning, June 9th
 Place: San Fernando Valley Country Club, Woodland Hills.

Participants please contact Bill Winham, S.O. Co prior to June 1st, so that reservations may be made.

CENTRAL VALLEY OIL SCOUTS

The Annual Oil Scouts Barbecue, held in Bakersfield, Friday May 12, was, as usual, highly successful. Between the "galloping dominos" and the "punch", some went home "well" and some "not so well", but was thoroughly enjoyed by all who attended.

PERSONAL ITEMS

Seems that Don Davis recently climbed through a hole in the roof of a locked corehouse and found Jim Sheller inside. Rather a quaint place to come upon the new president of the Ojai Junior Chamber of Commerce.

Warren Hagist of the Superior Oil Company is now a resident of Ojai.

Manley Natland and Spence Fine were recently hosts in the Ventura area to Dr. Kuenen, visiting Dutch sedimentologist.

Emily Sheller is the latest arrival at Jim Sheller's home. Came in on the April 26th storm.

See the coastal district geologists if you want to start an underground movement. They qualify as experts since the Tecolote Tunnel project began.

Peggy Jo is the new addition to the Paul McGovney's home, arriving, Tuesday May 16 at 8:00 a.m.

Continental's Dan Sullivan is vacationing in and around Dallas, Texas.

The Canadian offices of the Ohio Oil Company, have been moved to 609A Seventh Avenue West, Calgary, Alberta, Canada.

William (Bill) Hicks is now officiating as "Land Man" for Richfield in their Bakersfield office.

Culminating a romance of school days at Stanford, Bill Whitley of General Petroleum and Jean Wheeler were married April 8 in the Chapel at Stanford.

Tom Roy, Geophysicist, is now with the Ohio Oil Company in Bakersfield.

Louis Regan, State Exploration, is in the final stages of recuperation from a siege of the mumps -- first one side then the other. He is back at the office for a few hours each day.

Boris Laiming of Texas Company recovered from his case of the mumps just too late to make the last issue.

Eddy Steinmeyer, Shell Oil Company paleo man, is the very proud father of a daughter, Christine Anne, born May 17th, weighing 6 pounds 10 oz.

Paul Dudley is motoring to Nova Scotia and will be gone a month or so from our "sunny" climate.

Hampton Smith is another traveling man. He is "down under" dodging kangaroos and maybe a duckbilled platypus or two.

Eddie Coenen of the Standard Vacuum Company is coming back to Taft for a three month vacation -- thence to New York to assume new duties.

Robert L. Hewitt, geologist for Trico Oil and Gas, recently spent some time flying over parts of Nevada. Report: 4 flying saucers -- that is all!

Ted Lee is back in Barnsdall's Los Angeles office after spending considerable time in the "wilds" of Canada -- welcome home Ted.

Don Davis has found out the hard way that the Crosley car guarantee is much like that of the Reynolds ball-point pen.

Norman Lea, geophysical party chief for Texas Company in Coalinga, became the proud father of a daughter when his wife recently presented him with their first child, Cynthia.

Ben "Skipper" Ryan with Richfield in Guyana is building a "yacht" in his garage. Needless to say, this has developed much interest and there is a growing concern as to his ability to get it to water for launching.

Roe Gray, formerly with General Petroleum in Los Angeles and now consulting in Longview, Texas, was a recent visitor in Los Angeles.

Jack McGill is to be congratulated on the birth of his daughter born May 22nd. She weighed 7 lbs 9 oz and as of this deadline has not been named.

Hubert Popenoe has been transferred from Bakersfield to Shell's Ventura office.

The Herb Babiones announce the arrival of Robert Allen on May 14th -- 8 lb. 8 oz. Herb is with Humble.

Les Clark and Gene Powell have transferred their company affiliations from Barnsdall to Seaboard upon the latter company's assumption of management for the joint Honolulu, Barnsdall, Seaboard operations in Canada.

Geological prospecting when coupled with weed dumping is extremely costly in Azusa. For particulars ask Vince Vandiver or see the April 27th issue of the "Azusa Herald", page 14.

Congratulations are in order for Bob Orwig of General Petroleum who passed out blue cigars May 22nd honoring the arrival of Cary Bruce.

Ed Hall and Jack Harding with Union at Santa Paula are fishermen tried and true. It seems opening day found them packing in several miles only to find a truckload of fishermen ahead of them. Result -- plenty of exercise -- no fish.

Ben Lupton is now in the Los Angeles office of General Petroleum after convalescing from his trip to Chicago. Ben will be in Los Angeles for the next few months in a supervisory capacity covering the Coastal and Los Angeles Basin areas.

Quentin Query furnishes the following well log and core description of Union Oil Company "J. L. Query" No. 2: "Spud Aug. '49 -- completed May 18, 1950. Core rec 20", girl, pink & white, soft, small amount dark hair at top, well saturated with oil, no cut, no commercial importance at this time."

Ted Easton and partner defeated the Bakersfield Jr. College tennis champs in a grueling two set match at the Bakersfield Racquet Club the other day.

ANDY CLINE by sullwold



GOLF TOURNAMENT - JUNE 9

ATOMIC RAW MATERIALS

The mining branch of the A.I.M.E. will sponsor an address by Dr. R. J. Wright of the Atomic Energy Commission. The talk will be given in the General Petroleum Auditorium Wednesday evening, June 14th, at 8:00 P.M. Dr. Wright's subject will be "The Current Status of Atomic Raw Materials" and he will discuss recent finds of uranium in the United States.

CALENDAR

May 31, 1950; Wed. 6:30 p.m. Branner Club Dinner Meeting. Cal Tech. Athenaeum.

June 1, 1950; Thurs. 12:00 noon. AAPG Pacific Section Luncheon, Rodger Young Auditorium. R. T. Lidicote, "Recognition of Synthetic Gemstones".

June 3, 1950; Sat. CNGA Annual June Frolic, Rio Hondo Country Club, Downey.

June 6, 1950; Tues. 7:00 p.m. AAPG Coastal Geological Society Dinner Meeting, Barbara Hotel, Santa Barbara. Symposium of Newhall-Castaic Region. Speakers: Robin Willis, John Crowell and Leo Moir.

June 8, 1950; Thurs. 6:30 p.m. AIME Junior Petroleum Group, Rio Hondo Country Club, Downey. Color and sound film, "Constant Challenge", Cy Rubel, Union Oil Co.

June 9, 1950; Fri. AAPG Pacific Section. 9:00 a.m. Golf tournament, San Fernando Valley Country Club; 10:00 a.m. Tennis tournament, Van Nuys Community Playground; Afternoon, Pico Canyon Picnic.

June 13, 1950; Tues. A.A.P.G. San Joaquin Valley Geological Society Dinner Meeting, El Tejon.

June 19, 1950; Mon. 7:00 p.m. AAPG Pacific Section Forum, Edison Bldg. Auditorium.

June 21, 1950; Wed. 12:00 noon. AIME Pacific Petroleum Chapter Luncheon, Clark Hotel. M. Kline, "Legal Aspects of Unitization" (tentative).

June 26, 1950; Mon. 7:00 p.m. AIME Petroleum Technology Group, General Petroleum Auditorium. R. V. Hughes, "Laboratory Methods and Application", Water flood series.

July 6, 1950; Thurs. 12:00 noon. AAPG Pacific Section Luncheon, Rodger Young Auditorium.

**PACIFIC PETROLEUM GEOLOGIST
PACIFIC SECTION, A.A.P.G.
ROOM 932
714 WEST OLYMPIC BLVD.
LOS ANGELES, 15, CALIFORNIA.
RETURN POSTAGE GUARANTEED**

Vol. 4, No. 6

BIBLIOGRAPHY OF RECENT PUBLICATIONS

****Pacific Coast Geology
*Other Articles of Special Interest**

SCIENTIFIC PUBLICATIONS - JOURNALS, BULLETINS, ETC.

Bull. G.S.A. Vol. 61, No. 2, Feb. 1950.

*****"Physiographic Features of the Panamint Range, California" by John H. Maxon, pp. 91-114.**

****"Moraine and Shoreline Relationships at Mono Lake, California" by William C. Putnam, pp. 115-122.**

Calif. Jour. of Mines and Geology, Vol. 46 No.2. April 1950.

"Geology and Oil Prospects of Western San Jose Hills, Los Angeles Co. Calif." by Franklin H. Olmstead, pp. 191-212.

Calif. State Division of Mines, Bull. 147

*****"Geology of the Quien Sabe Quadrangle, California" by Carlton James Leith, 1949. Price \$1.75 -- Cloth bound.**

Calif. State Division of Mines, Bull. 151

*****"Geology of the Macdoel Quadrangle, California" by Howel Williams, pp. 7-66.**

****"Circular Soil Structures in Northeastern California" by Peter H. Masson, pp. 61-71, Price \$1.75 - Cloth bound.**

TRADE JOURNALS AND MISCELLANEOUS MAGAZINESOil Field Maps

*****"California Oil Fields"**

*****"Los Angeles Basin Oil Fields"**

*****"San Joaquin Valley Oil Fields"**

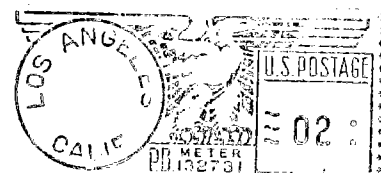
by J. C. Bransford, April 1950.
Revisions. Now available at \$15.00 each from So. Calif Blue Print Co.

Petroleum, May 1950

*****"Bacterial Activities and the Origin of Oil" by Claude E. Zobell, pp. 109-111**

Petroleum World, May 1950

*****"Reducing the Risk in the Offshore Gamble" by Hillman A. Hansen and J. R. Pemberton as told to L. E. Scott, pp. 3-12.**



**Mr. Fred R. Neuman
381 E. 4th St.
Chico
California**

PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 4

July, 1950

Number 7

ASSOCIATION ACTIVITIES

L. A. LUNCHEON

COASTAL SOCIETY MEETING

As the voting pools closed on June 6th the bar in the Barbara Hotel at Santa Barbara was swamped by more than 120 geologists who gathered for the regular meeting of the Coast Geological Society. The occasion featured slices of charcoal broiled prime rib two inches thick, and an excellent symposium on the geology of the Newhall-Saugus-Castaic area.

A review of the general geology of the Saugus basin by Robin Willis started the program. Bob contrasted the pre-Repetto stratigraphy in the southwest portion of the basin with that northeast of the San Gabriel Fault and emphasized the strong lithologic differences existing between the Miocene rocks on the two sides of that fault. A generalized correlation chart was presented which illustrated relative stratigraphic positions of the producing horizons at Oak Canyon, Del Valle, Newhall-Potrero, Placerita and the Kinler productive areas. In a discussion of Placerita, Willis contended that the base of the Lower Kraft zone is a horizon of major unconformity, in that these sands truncate the exposed Eocene section. The Upper Kraft zone is correlated with the basal Saugus of common usage.

John Crowell gave a most interesting discussion of the regional structural features of the Ridge Basin area as mapped by himself and several graduate students at U.C.L.A. Giving much credit to others particularly Tom Dibblee, Bill Corey, Mason Hill, Jim Gilluly, Don Higgs, Tom Folsom, and Bob Orwig, he presented evidence which pointed to a strike slip component of displacement on the San Gabriel Fault on the order of 20 to 25 miles. This evidence which consists primarily of large blocks of anorthosite and norite in a Breccia of Mohnian age is found on the southwest side of the fault approximately 23 miles northwest of identical rare rock masses of the San Gabriel Mountain complex. These San Gabriel Mountain rocks are believed to be the source material on the northeast side of the fault for the breccias on the southwest side of the fault. Consideration of the size of the blocks of the breccia and the direction of gradation of the deposit supports the idea of a northward source, yet the area northeast of the San Gabriel Fault opposite the location of the breccia deposits is covered with a mantle of sediments older than Mohnian and no basement rocks of any kind could have been exposed in Mohnian time.

Further evidence for movement in the same sense (that is, a right-lateral movement) is found in the location of gneissic rock breccia, which is probably younger than Mohnian. This breccia is on the northeast side of the fault approximately 10 miles southeast of the Frazer Mountain complex, the area which is thought to be the source.

Crowell believes on the basis of this and other evidence which was presented that the San Gabriel Fault was a right-lateral, San Andreas type fault during Upper Miocene-Pliocene time, but that subsequent movement in the Pleistocene has been essentially dip slip.

Leo Moir of Wilshire closed the evenings talks with a resume of the subsurface geology of wells drilled northeast of the San Gabriel Fault.

Many questions and much informal discussion followed the excellent meeting.

The luncheon meeting of the L.A. group was held June 1st at the Rodger Young Auditorium and some 60 geologists and guests enjoyed breast of turkey with all the trimmings. Preceding the speaker, Bill Pemberton invited, for the Wyoming Geological Society, interested geologists of this area to attend the Green River Basin field trips August 9th, 10th, and 11th.

Mr. R. T. Liddicote, Assistant Director of the Gemological Institute of America gave a most interesting account of "The Means of Identification of Synthetic Gem Stones". According to Mr. Liddicote the Gemological Institute was established to train jewelers in such techniques of identification as could be utilized by them. In most cases a gem stone in question cannot be scratched nor can any chemical methods be used. Therefore, optical methods must be employed. This poses the problem that most jewelers can neither purchase expensive optical testing equipment such as refractometers and polarizing microscopes nor can they spare the time to become proficient in the operation of these complex instruments. Therefore, a relatively inexpensive and simplified refractometer, a polarizer-analyzer, and a special dark field binocular microscope have been designed by the Gemological Institute. Through correspondence courses the use of these instruments and simple optical techniques are taught jewelers all over the U.S. Trained jewelers now distinguish isotropism from anisotropism, uniaxial from biaxial crystals and the character of inclusions and growth lines in natural stones as compared to synthetically grown stones. These tests suffice to determine zircon from diamond, glass from any stone, and may be determinative in many other questions. In cases where natural pearls are to be distinguished from cultured pearls, however, X-ray equipment must be used and here the jeweler submits the specimen to the laboratories of the Gemological Institute which are completely equipped for all methods of determination. Usually, Mr. Liddicote pointed out, the local jeweler can make the distinction with certainty between natural and synthetic rubies on the basis of growth lines, however, occasionally the Institute's laboratories must be consulted. The authenticity of gemstones as certified by the Institute is practically mandatory in legal matters pertaining to gem stones. Many questions were asked, among them Frank Parker's detailed query as to how to make a Ruby that is difficult to detect from the real McCoy.

L. A. FORUM

The June meeting of the monthly L.A. Forum series was held on the 19th of the month at the Edison Building Auditorium. Chairman for the meeting was Dick Faggioli of Humble.

Vince Vandiver, Seaboard, presented a most interesting paper, "A General Discussion of the Redwater Oil Field, Alberta, Canada". Vince began with a brief summary of the recent history of oil development in Alberta, pointing out that the greatest emphasis in exploration is currently on the search for petroleum in Upper Devonian reefs. The most noteworthy example of reef production in Canada, the Redwater Oil Field, was the subject of the talk. This enormous oil accumulation is located about twenty miles northeast of Edmonton. It was discovered in August, 1948, by the Imperial Oil

**EXECUTIVE COMMITTEE, PACIFIC SECTION
AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS**

J. R. Pemberton	President
Arthur S. Huey	Vice-President
Milton W. Lewis	Secretary-Treasurer
Clifton W. Johnson	Past-President
John T. Isberg	San Joaquin Representative

PACIFIC PETROLEUM GEOLOGIST

Published monthly by the Pacific Section, American Association of Petroleum Geologists. Address communications to the: Pacific Petroleum Geologist, Room 932, 714 West Olympic Blvd., Los Angeles 15.

Editor:	John Loofbourow
Assistant Editors:	Ted Bear Sam Stewart

Department Editors:	
Activities:	Robert Maynard
Personal Items:	Richard Ballantyne
Selected Bibliography:	Jack Tomkins
Calendar:	J. Douglas Traxler
Cartoonist:	Harold Sullwold
San Joaquin Representative:	Everett Pease
San Francisco Representative:	Willard Classen
Coast Representative:	Robert Paschall
Salinas Representative:	James O'Flynn

Next Deadline July 25, 1950

Company. Production was obtained from Upper Devonian in what is known as the D₃ reef and subsequent drilling has to date indicated a producing area some 18 miles long and 4 miles wide which when completely developed will probably contain at least 40,000 acres and 1000 wells. The field has a rather uniform oil-water interface and the maximum oil column is 175 feet. Reserves are estimated at approximately 650 million barrels. Some of the highest lease bonuses in the world have been paid in Crown Reserve bids at Redwater, a recent sale of one section of land averaging \$9,582 per acre.

The second paper on the program, entitled "Petroleum Migration Theory and Experiments" was presented by Gilman A. Hill of Riverside College. Mr. Hill discussed his theory in detail and with great enthusiasm pointing out that while it seems to explain satisfactorily the origin, migration, and accumulation of petroleum, the laboratory experiments, which are directed towards establishing the key relations, are in their early stage and are currently being pursued. In connection with the research program the author indicated he would welcome contributions of various shale and sand core samples from both barren and petroliferous sections as well as bottom samples from marine and non-marine sedimentation basins. Also desired are oil shale and asphaltic sand samples taken from below the weathered outcrop. For more detailed description of samples needed, those interested may contact Mr. Hill at Riverside College, Riverside, California.

PICNIC

Amid the clang of horseshoes, hoarse guffaws at other people's dry holes, and a general atmosphere of perspiration and concentration at stud poker, some 275 geologists gathered to consume 1248 cans of Schlumberger and Lane Wells beer, and three hind quarters of K.C.L. beef. It was a terrific picnic.

Many enjoyed such high spots as appeared on Art Huey's kodachromed poker deck while others were content to consume delicious baked ham, spiced cold cuts and other delicacies doled out by Rolfe Johnson, the picnic chairman.

For Frank Morgan's variation of the "hot-foot", i.e., the "hot-hand" which he ingeniously hid in an offered beer can, the medal of merit should be awarded (post-humously).

Rumor has it that Milt Lewis walked away with all the money and that Dick Thorup should be crowned "King of the Horseshoes".

Many thanks and a few hurrahs to those whose efforts and contributions made the annual get-together such a smashing success.

GOLF & TENNIS TOURNAMENTS

Under the able direction of Bill Winham(who, just incidentally, shared honors in winning) the golf tournament drew 34 participants. Top men were Bill and Scotty (11th hole Eagle) Green who rolled in with blazing 77's on the tricky Woodland Hills course. As a reward for their efforts Scotty was given a general purpose nylon satchel-type bag and Bill became the proud possessor of leather mittens for his clubs. For knowing their game (and also being lucky) golf balls were presented to nine men whose net scores happened to be 78, 79, or 80 in the Blind Bogey.

Individual gross scores were as follows:

1.	Scotty Green	77
2.	Bill Winham	77
3.	Sam Watson	81
4.	Tex Rickard	82
5.	Glen Ferguson	83
6.	Jack Thompson	83
7.	Roy Mead	84
8.	Jack Knight	85
9.	Dick Carpenter	87
10.	Jack Beach	88
11.	Harry Godde	89
12.	Jack Park	91
13.	Ed Hammer	91
14.	John Jackson	92
15.	Harold Sullwold	92
16.	Joe Stephens	93
17.	Jim Kimble	94
18.	Bill Greenwalt	95
19.	Dion Gardner	95
20.	Tom Fitzgerald	97
21.	George Roth	100
22.	Milt Lewis	102
23.	Bill Comstock	103
24.	M. T. Higgs	104
25.	Paul McGovney	105
26.	Bill Allen	109
27.	W. E. Woodruff	110
28.	Bob Kelly	112
29.	John Loofbourow	113
30.	Carl Beal	114
31.	Bill Quackenbush	123
32.	Dean Hoffman	123
33.	George Anast	124



A round-robin, six game playoff whereby participants played as many other entrants as possible was used to establish strong and weak players for the doubles tournament. In the singles competition Lowell Redwine was easily top man being threatened only by Bill Whitley and Tony Morris. Out of a possible score of six the following were the averages of all participants:

Lowell Redwine	4.5
Bill Whitley	3.8
Tony Morris	3.5
Al Woodward	3.4
Chet Baker	3.0
Mason Hill	2.5
Bob Maynard	2.4
Mack Robinson	2.0
Bob Paschall	1.5

In the eight game, strong-weak doubles play-off the top team of Hill and Woodward defeated both the teams of Whitley and Baker and Redwine and Maynard by the score of six games to two. Whitley and Baker took second spot by defeating Redwine and Maynard five games to three.

PERSONAL ITEMS.

What will Ross Cabeen wear to Pico Canyon next year? Did you see his new style field jacket? Not that you could have missed it.

Mason Hill has his wife and basketball team all moved to Whittier now. Maybe Kay doesn't know this but he was flagged down for speeding on his way home from Pico Canyon -- early, but he figured that in spite of the fine he came out ahead by ditching the poker game.

The recent Richfield Exploration Dept. shin-dig at Wheatley's (Cuyama) was danced to the tune of Irv Schwade's whistle - toot-toot, time for poker; toot-toot, time to climb a hill; toot-toot, time for Morgan's talk and so - - far into the night.

Wayne Loel, consultant, is doing the "surface geology" of Coronado Island this week - no doubt a deep contemplation (almost a sleep) of the manner in which ocean breezes transport sand grains across the beach.

Dick Ballantyne, our Personal Items Editor, is vacationing with his family around Medford, Oregon.

Rumor has it that the reticence shown by pushers on the Conoco-Standard Nevada wildcat is due in part to their finding that John Wiese of Richfield is also working out of Eureka.

Ted Bear on selling his Santa Monica home has moved to an apartment in Glendale, while awaiting the completion of his new home in La Canada.

Jim Gilluly was awarded a beautiful brief case by members of the Geological Society of U.C.L.A. at a recent picnic get-together in his honor. Many alumni as well as fellow faculty members and students gathered at Pico Canyon to wish Jim well as he leaves U.C.L.A. to work in Nevada.

Harry Jamison, Richfield, had the misfortune to contract a mild case of typhus from some Cuyama Valley tick. While in the hospital his wife presented him with Susan Maurice, weight 7 lbs., length 20 inches.

Ed Hamner, Humble, went to the hospital recently with symptoms of a heart attack, it was learned, however, that actually his left lung had collapsed and pressed against the heart, thus causing the symptoms. Ed, now up and about, is relieved to know the "ticker" is still in A-1 shape. Incidentally, while in the hospital, his wife presented him with Edward Richard, weight 8 lbs. 9 oz.

Bill Thomas, Ed Bedford, John Anderson, Ed McDowd, Harvey Lee, Ross Nickols, and Bob Wilson recently returned from Oklahoma City where they attended the national convention of the Association of Oil Scouts and Land Men. A roaring good time was had by all except that Bob Wilson made a sad mistake in tangling with some of those Oklahoma City slickers in a crap game.

Has anyone seen Bob Kelly's other golf shoe? It seems he played in the tournament with only one and tried to sell a bill of goods that it improved his stance, but the truth will out - He lost it!

The Coast Geological Society found they had four meals to pay for but only three invited speakers at the recent Santa Barbara meeting - Could it be Joe Hathaway's steak on top of the prime rib that cost them money?

Les Clark and Gene Powell, Seaboard in Canada, were recently visitors in the southland.

Bill Charles, Pacific Western, has gone to Casper to wander in the Wyoming hills for the summer.

Ben Lupton has fallen heir to Pete Gardett's problems in Los Angeles. Pete is now in Salt Lake City.

Bob Herron is in town from Amarillo. Claims he had to install short-wave radio to keep up with the times!!

Did you know that Bill Corey now resides in Sherman Oaks -- complete with swimming hole!

Burt Thach, Shell Oil Co scout, managed to swing a vacation with pay last month by "scouting" several wells in Arizona -- in a company car no doubt.

Johnny Anderson of Humble is to be transferred to Midland, Texas, soon and is currently breaking-in his replacement -- one Earl Bescher fresh from Louisiana. Earl says he will enjoy scouting on dry land again.

Glad to see Harry Campbell back in stride again.

It is reliably reported that the Nevada Hotel in Ely, Nevada, is discovering what a plague petroleum geologists can be. No less than eleven were counted at the bar one night last week.

The many friends of R.R.(Dick) Shinn, Production Superintendent for California for the General Petroleum Corp., were sorrowed to learn of his death June 18th.

J. R. (Bill) Pemberton is in the process of purchasing a new home in La Canada.

Bill Bishop a recent M.A. from U.C.L.A. is now in Nevada for Richfield.

Ernest Rich, recent U.C.L.A. graduate, has joined the U.S. Geological Survey staff in Albuquerque N.M. for field work in the San Juan Basin.

Jerome Petrie recent U.C.L.A. graduate has accepted a position with Fairchild Aerial Surveys.

Doyle Graves is now sporting a new baby boy -- complete with built-in crew haircut!

Whats this about Lou Kemnitzer sponsoring twins!! Too bad it wasn't triplets so they could be named K,R & D.

Stan Wissler is now sans appendix and is enjoying a little peaceful research time at home. He will be back at work soon.

George Quick is back on the Union Oil payroll after several months of contract consulting in California.

Jim Sheller is as busy as a bird dog these days, what with a new baby, his Chamber of Commerce work and (you may not believe this) studying for the lead in a play! Besides all this he occasionally works for The State Exploration Company

Dick Merriam, U.S.C. faculty, announces with his wife, Pat, the birth of their first child, Katharine.

Ken Emery, U.S.C. faculty and graduate student Dill are leaving soon for Bikini and other places in the Pacific to continue work for the Navy.

R. C. Erickson, Standard, has recently been transferred from the San Francisco office to Los Angeles.

Ted Lee, Barnsdall, who recently arrived from Canada with his family, spent a few days being acclimated, got a rush call from Sunray about Canada, and climaxed the deal by getting on a plane again for Calgary -- length of stay quite indefinite.

Jack Schoellhamer of the U.S.G.S. has completed his study of basement rocks of the L.A. Basin and has returned to Washington D.C.

CALENDAR

- July 6, 1950; Thurs. 12:00 Noon. AAPG Pacific Section Luncheon, Rodger Young Auditorium. L. A. J. Russell, "Potentialities of Palomar".
- July 6, 1950; Thurs. 6:30 p.m. CNGA Dinner Meeting, Rio Hondo Country Club. W.F. Deeter, "Propylene Polymerization for Motor-gasoline Production".
- July 11, 1950; Tues. 7:00 p.m. AAPG San Joaquin Geological Society Dinner Meeting, El Tejon, Bakersfield.
- July 12, 1950; Mon. 12:00 Noon. AIME Pacific Petroleum Chapter Luncheon, L. A. Athletic Club, Mortimer Kline, "Legal Aspects of Unitization".
- July 13, 1950; AIME Junior Petroleum Group Dinner Meeting, Rio Hondo Country Club, Downey. Walt Sheldon, "The Use of Subsurface Instruments in Reservoir Engineering".
- July 14, 1950; Los Angeles Chapter, Nomads Whing Ding, Lakewood Country Club, Long Beach.
- July 17, 1950; Mon. 7:00 p.m. AAPG Pacific Section Forum, General Petroleum Auditorium, Los Angeles. Jim Carriel, "Huntington Beach Oil Field", and P. P. Goudkoff, "The Origin of Life".
- July 24, 1950; Mon. 7:00 p.m. AIME Petroleum Technology Group, General Petroleum Auditorium. Don Silcox, "Chemistry of Formation Water and Chemical Treatment of Injection Water", Fourth in water flood series.

WORLD PETROLEUM CONGRESS

The Third World Petroleum Congress will be held in The Hague-Scheveningen, Netherlands, May 28 - June 6, 1951. Previous Congresses were held in Paris in 1937 and London in 1933.

It is the intent of the group to publish original work on problems of general interest, in advance of the time of meeting and confine activity at the Congress to discussion of those papers published.

Dr. H.M.E. Schürman, Reporter for Geology and Geophysics, solicits papers for the Congress. He may be contacted through Frank Parker, Signal Oil and Gas Co, Los Angeles.

PACIFIC PETROLEUM GEOLOGIST
PACIFIC SECTION, A.A.P.G.
ROOM 932
714 WEST OLYMPIC BLVD.
LOS ANGELES, 15, CALIFORNIA.
RETURN POSTAGE GUARANTEED

Volume 4 No. 7

BIBLIOGRAPHY
OF RECENT PUBLICATIONS

**Pacific Coast Geology
*Other Articles of Special Interest

SCIENTIFIC PUBLICATIONS - JOURNALS & BULLETINS

Amer. Jour. of Sci. Vol. 248, No. 5, May, 1950.

*"Nomenclature & Classification of Sedimentary Rocks" by John Rodgers, pp. 297-311.

Bull. G.S.A. Vol. 61, No. 4, April 1950

**"Volcanic Geology of Toowa Valley, Southern Sierra Nevada, California" by Robert W. Webb, pp. 349-358.

Calif. State Division of Mines, Bull. 152.

"Geological Description of the Manganese Deposits of California" by Parker D. Trask & others. Price \$2.75 - Cloth bound.

Jour. of Econ. Geol. Vol. 45, No. 2, March-April 1950.

"Geology of the Broadway Tunnel, Berkeley Hills, Calif." by Ben M. Page, pp. 142-166.

Scientific American, May 1950.

*"The Crust of the Earth" by Walter H. Bucher, pp. 32-41.

Exploration Geophysics

by J. J. Jakosky, Trija Publishing Co., Trija Bldg., Los Angeles 24, Calif. Price \$12.50.

TRADE JOURNALS & MISCELLANEOUS MAGAZINES

Petroleum Engineer, May 1950.

"Synthetic Fuel Production" by W. C. Schroeder, pp. A-53-68.

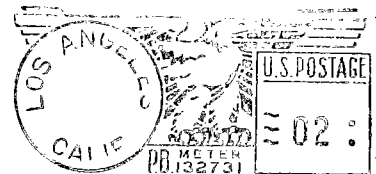
Petroleum Engineer, June 1950.

"Oil Producing Industry in Japan" by Leo W. Stach, pp. B-35-40.

*"American Oil Reserves" by C. W. Tomlinson, pp. B-54-63.

World Oil, May 1950

*"How Deep Oil and Gas may be Expected" by James S. Cloninger, pp. 57-62.



Mr. Fred R. Neuman
381 E. 4th St.
Chico
California

PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 4

August, 1950

Number 8

ASSOCIATION ACTIVITIES

L. A. LUNCHEON

At the regular noon meeting of the Los Angeles Section, which was held July 6th at the Roger Young Auditorium, some 53 geologists and guests gathered to enjoy cold turkey with all the trimmings, excellent fellowship, conversation, and a very instructive talk.

President Bill Pemberton brought up two items for attention prior to the introduction of the speaker: 1) In answer to many requests that Ralph Reed's "Geology of California" be reprinted by the A.A.P.G., Mr. J.P.D. Hull, Business Manager of the A.A.P.G., replied to Bill that at least 1000 copies would have to be printed in order for this project to be undertaken and that at least 400 orders would be needed to start the necessary proceedings for a reprint. President Pemberton requested that any and all groups and individuals who desired copies of this book kindly inform the secretary by letter in order that this excellent work may be reprinted. 2) The announcement was made that Mr. Walter H. Spears, P. O. Box 1407, Shreveport, La, has been appointed the Technical Program Chairman for the 1951 Annual Convention. Requests to Mr. Spears for time to present papers and suggestions for the program are now in order. Time was allowed for the introduction of several distinguished visitors and Art Huey, Vice President of the Pacific Section announced that there would be no luncheon meeting in the month of August.

Dr. John Russell, Chairman of the Department of Astronomy of the University of Southern California was introduced, and he delivered an exceptionally interesting address on the "Potentialities of Palomar". Recalling the general history of astronomical milestones from the time of Copernicus to the present day, several interesting episodes relating to the advancement of knowledge in astronomy were related.

The 200 inch telescope at Mt. Palomar is designed primarily to attempt to answer three types of problems which the 100 inch at Mt. Wilson is incapable of answering. These problems are:

- a) A detailed study of our solar system.
- b) A study of our galaxy.
- c) The study of other galaxies.

The problem of the canals(?) on Mars is one which occupies the fancy of both the layman and the astronomer. Their existence has been successively reported and denied by astronomers of equal repute. The solution to this question of their existence is dependent upon the photographing of the surface of Mars in sufficient detail to show their presence or absence. The 100 inch telescope does not have the light gathering power necessary to permit a photograph of small exposure time to be taken of this planet but it is expected that the four-times powerful 200 inch telescope will solve this problem in the year 1956 (the next favorable opposition of the planet Mars).

A major fraction of the research contemplated with the 200 inch telescope requires a spectro-scope, the purpose of which is to determine the presence or absence of elements in the spectra of light from stars. The problem of determining the relative abundance of chemical elements in the sun and other stars has an important bearing on the source of stellar energy, and the understanding of fission and elemental transformation pro-

cesses. An interesting simile was drawn by Dr. Russell in showing the amount of energy that our Sun pours into space. He stated that if it be evaluated at one cent per kilowatt hour, the sun pours into space an amount of energy in one-millionth of a second that would pay the entire cost of World War II.

The third type of problem which the big telescope will deal with is the question of the relation of our galaxy to the other galaxies within the limits of the known universe. If a sphere approximately 5 miles in diameter is filled with tennis balls about 50 feet apart, each tennis ball representing a galaxy, this sphere would contain approximately one hundred million tennis balls, which is approximately the number of known galaxies in the presently defined universe. A phenomenon, known as the "Red Shift", in the spectra of distant galaxies, as compared with less distant galaxies, has led to the theory of an "expanding universe". This is to say that the "Red Shift", which is a movement of the components of the spectra toward the red end, can only be accounted for presently by assuming that the source of the light is moving away from the observer. By measuring the "Red Shift", a velocity of retreat may be calculated, and alarmingly, this approaches the speed of light. If the velocity of the galaxies is reversed in direction, the disturbing conclusion is reached that approximately one and one-half billion years ago the galaxies should have been at an original center. This period of time is thought to be by geologists considerably less than the age of life on the earth.

The 200 inch telescope is expected to throw much light on this question of the expanding universe, and perhaps a new and yet undreamed of principal of physics may be discovered in the study of this interesting "Red Shift".

Much discussion and many questions were the evidence that the audience thoroughly appreciated and enjoyed Dr. Russell's most exhilarating talk.

L. A. FORUM

The regular meeting of the Los Angeles Forum group was held Monday, July 17th., 7:00 P.M., in the G.P. auditorium. Chairman of the meeting was Jack Tomkins of Wilshire, who introduced as the first speaker Dr. Paul P. Goudkoff speaking on the "Origin of Life". Dr. Goudkoff prefaced his remarks with the statement that he intended to present the views of others, as a review, and his talk was designed to bring up to date members who may not have had sufficient time to keep themselves informed on this most interesting subject.

Beginning with the ancient teaching of the Chinese, Babylonians, and Egyptians and later advocated by Aristotle, the theory of "Spontaneous Origin of Life" was that most strongly held. This idea was based on the premise that "matter" in combination with "entechy" in varying amounts gave rise to all forms of animate beings. Entechy (the soul) was thought to be present in earth, water, air and fire.

Louis Pasteur, in 1862, by brilliantly conducted experiments, and later Lord Kelvin, in 1871, making deductions based on Pasteur's work, dominated thought for many years and advanced the theory of the "Eternal Continuity of Life". Their reasoning, based on proof of absence of bacteria from uncontaminated solutions, led these men to believe that the spontaneous origin of life was unlikely, and particularly by elaboration of

EXECUTIVE COMMITTEE, PACIFIC SECTION
AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

J. R. Pemberton	President
Arthur S. Huey	Vice-President
Milton W. Lewis	Secretary-Treasurer
Clifton W. Johnson	Past-President
John T. Isberg	San Joaquin Representative

PACIFIC PETROLEUM GEOLOGIST

Published monthly by the Pacific Section, American Association of Petroleum Geologists. Address communications to the: Pacific Petroleum Geologist, Room 932, 714 West Olympic Blvd., Los Angeles 15.

Editor:	John Loofbourow
Assistant Editors:	Ted Bear
	Sam Stewart

Department Editors:	
Activities:	Robert Maynard
Personal Items:	Richard Ballantyne
Selected Bibliography:	Jack Tomkins
Calendar:	J. Douglas Traxler
Cartoonist:	Harold Sullwold
San Joaquin Representative:	Everett Pease
San Francisco Representative:	Willard Classen
Coast Representative:	Robert Paschall
Salinas Representative:	James O'Flynn

Next Deadline August 28, 1950

Arrhenius in 1908, the eternal continuity thought became the "Cosmogonic" theory which advocated the wafting of life onto this planet from interstellar space by the action of light pressure and electrical charges. This theory was popular until the last decade when cosmic ray and ultra violet studies have almost conclusively shown that such travel of life in interstellar space is extremely improbable.

At the present time the most commonly accepted theory is the "Archeogenic" theory as first propounded by Osborn in 1917 and later elaborated on by Oparin in 1938. These scientists believed, through study of organic substances, that proteins, which play a prominent roll in the structure of protoplasm probably were formed under early environmental conditions on the earth. While in a colloidal state, the grouping of the organic components of elemental protein and the development of a bounding membrane serving as an isolationary barrier, are the most logical processes which would allow the progression of animate substance from inanimate. This state has been given the name of "Coaservate". It is known that under favorable conditions, perhaps with the help of enzymes, certain coaservates develop high physico-chemical organization and it may be that they began to perform the various functions which define animation.

Natural selection has long ago destroyed all intermediate forms of the primary organic substances and should they be created now, they would be quickly destroyed by enumerable more advanced micro-organisms which presently inhabit the earth. Primarily this is thought to be the reason why the process cannot be observed at present.

The second speaker, James T. Carriel of the Southwest Exploration Company, spoke on the Huntington Beach Oil Field. A brief recapitulation of the history of the field, well spacing, structure, stratigraphy, and the directional drilling program was given, and slides showing a structure contour map of the three separate and practically unrelated structural blocks were shown. Of note, were the many problems, engineering and geological, which were found in the drilling of wells to offshore objectives that in some cases were 6000 feet horizontally and 4000 feet vertically from the surface locations. Typical of these problems are the engineering phase of actually obtaining an electric log when gravity no longer suffices to pull the electrode into the hole, and the geologic phase of the interpretation and correlation of this distorted electric log.

Many questions and much discussion was the evidence that the audience thoroughly enjoyed both talks.

PERSONAL ITEMS

Stan Conrad, Richfield, is recuperating from an attack of "valley fever".

Allen Weymouth of American Independent Oil Co. is back in San Francisco getting the Kowait sand out of his toes.

Dick Reese recently left the Alaskan scene long enough to pay Los Angeles a short visit.

Pete Gardett is temporarily headquartered in Casper, Wyoming as Rocky Mt. Div. Geol. for G. P.

Bob Herron is back in the fold and can be reached c/o The Texas Co., Santa Paula -- and is he glad to shake the dust of Amarillo from his boots!

Dr. Richard A. Bramkamp, Chief Geologist of the Arabian-American Oil Company, is spending a furlough in the United States. He has recently been renewing student-day contacts at Claremont and Berkeley.

Jesse H. Parsons, Pomona College '50, has joined the California geological staff of The Texas Co.

Elmo Adams, consulting, has just returned to San Francisco from a lengthy tour of Kansas, Texas, Oklahoma, New Mexico, Arizona and the Rocky Mt. region.

Bob Orwig of G. P. has recently been seen going over the top of the Butano Ridge up San Mateo Co. way.

Edward Gribi and Henry Walrond have recently joined General Petroleum's geological staff. Ed comes to the Los Angeles office of G.P. from Sinclair Oil Co. for whom he worked in Ethiopia. Henry has about completed work for his MA at U.S.C. and is working in the Ventura office.

The fish off Santa Cruz Island are in for a delightful surprise July 29th. The Ohio crowd will be there in chartered boat to catch them. Russ Simonson plans on sharpening his fish catching technique in anticipation of that legendary "Canadian fishing" that is in the offing.

Howard Anderson of Standard and Scout Commissioner, took a group of Boy Scouts to the encampment at Valley Forge. Their course was circuitous and took them along both the northern and southern routes. Downs McCloskey's son was one of the group.

Gladys Peyser of the Texas Co. was a recent visitor to San Francisco A.A.P.G. luncheons.

Graham Moody has been on a lengthy vacation at Lake Tahoe. He may have seen Frank Carter there in spite of near-by Reno's attractions.

Bill Kleinpell and family are still visiting the Hawaiian and South Pacific areas. The area was scouted by Bill last year, and being found safe, the entire family went this time. Maybe Bill can give us some good inside dope on the Korean affair when he returns.

Among those hardened veterans who are sweating it out these days is that hardened gyrene Roy Mead. Almost any day now it is expected that he will be called back and his gentle voice will once more be put to use soothing troubled recruits.

Tom Fitzgerald, the newest of the consultants in Bakersfield, has established offices in the Haberfelde Bldg. Best of luck to you, Tom!

Dick Hester recently moved into his new home. Another member of the Signal Oil Co. crew in Bakersfield, Max Payne, is feverishly trying to get his new abode completed.

Bakersfield's answer to the pleas of Esquire, John Quigley Anderson, has recently been seen wearing some sport (?) shirts that are, to say the least, blinding.

Bill Easton is spending the summer in the Basin Range country with a field party working on the Paleozoics.

Dunc McNaughton, U.S.C., has a field party in northern California this summer.

Don R. Baker, former Cal Tech grad. student, has been awarded a Fulbright scholarship by the U. S. State Dept. for graduate study in petrology and mineralogy at the University of Oslo in Norway.

John Murphy, Ph.D. candidate and holder of the Standard Oil fellowship at Cal Tech this year, is the recipient of the award for next year also.

Balboa is also a favorite vacation spot for weary geologists -- Ike Holston and Bill Wrath to name two of many.

Ernest Lian, 1950 MA from U.C.L.A., is now with the Ohio Oil Co. in Los Angeles.

J. E. (Brick) Elliott of Austin, Texas has been greeting his many friends in the San Francisco area. He is out for the Bohemian Grove encampment as a guest of Almon E. Roth.

Milt Loy is back on the job after tangling with his power saw. His worst inconvenience is his inability to drink and smoke at the same time.

Layton Stanton is being transferred from Olympia, Washington to the California Division of Union Oil Co. He will probably headquarter in Sacramento.

Johnny Anderson was given a farewell party at the University Club on July 21st by a number of his friends in the scouting fraternity. He will assume new duties for Humble in Midland, Texas.

Dr. Kunio Uwatoko, Professor of Geology, Department of Mining at Tokyo University, Japan, visited Los Angeles from June 28 to July 4. He was completing a three month tour of universities under the sponsorship of General MacArthur's staff and Dr. Hubert Schenck of the Army of Occupation. Dr. Uwatoko has been a member of A.A.P.G. since 1929 and is the only native member from Japan. He states that the membership is restricted because of the difficulty in scraping together the \$10.00 dues and then getting the \$10.00 out of Japan.

Irv Frazier is trying out his Buick "4-holer" on a trip to the middle west via Grand Canyon. We wonder how he's getting along without benefit of Munger's Reports.

Pete Hall doesn't go in for conventional two week vacations. He is introducing a new disjointed type which can be spread thinly over a longer period of time. Instead of a single vacation, he has five (we figure) each extending from Friday through the following Monday. This plan is provided for those with goats to milk or ranches to irrigate. Pete thinks the idea a good one and is strongly considering patenting it and solicits the opinion of others interested.

CAL TECH NEWS

Attempting to restore some of the shattered concepts of stratigraphic continuity which are occasioned by California study, Cal Tech is holding their summer field camp in the Sacramento Mountains of New Mexico. The camp is being run by Lloyd Pray with assistance by Ian Campbell and Bill Muehlberger.

Of interest is the announcement of probable early publication of the work of Peter Dehlinger, and Paul Harris, Ph.D. candidates, who have been mapping in the Ridge Basin - Tejon Ranch Area. Dehlinger studied particularly the relations between the Ridge Basin rocks and the Modelo, and Harris reached interesting conclusions on the Tertiary paleogeography of the region southeast of Grapevine.

U.C.B. NEWS

The Department of Paleontology is sponsoring a symposium on "Continental Drift" which will be held at Berkeley, October 25th., 26th., and 27th. Participants include Dr. Byron Patterson of the Chicago Natural History Museum, and Drs. Herbert Mason, George Louderback, Jean Verhoogan, Howel Williams and J. Wyatt Durham of the University of California. Papers to be presented will include discussions of paleobotanical geophysical, geological and paleontological evidence. All interested members of the profession are invited.

The Department of Geology summer field course is being held in the vicinity of Jackson and Sutter Creek, California with Dr. N.L. Talliferro in charge.

Charles V. Fulmer has been awarded the Standard Oil Fellowship at Berkeley for the year 1950-51. He is working on the stratigraphy and paleontology of the Eocene Marklev Formation.

POMONA NEWS

Summer camp under the auspices of the Claremont Graduate School is to be conducted as a cooperative venture with the University of California at Los Angeles. Approximately twelve students under the direction of John Shelton and John Forman will work in the vicinity of the Garden Valley Quadrangle, near Eureka, Nevada.

U.S.C. NEWS

Tom Clements, Dick Merriam, and Orville Bandy will instruct in the summer field geology course. The class of about 40 students will be housed at the U.S.C. School of Aeronautics at Santa Maria. They will map the southern and southwestern portions of the Branch Mountain quadrangle.

Graduate students at S.C. are working this summer on field problems concerning the Paleozoics at Goodsprings, Eagle Mountain, Death Valley, and the Marble Mountains; on Tertiary foram problems on the Pliocene of downtown Los Angeles, the early Tertiary of the Devil's Punchbowl, the Modelo of the western end of the San Fernando Valley, and on some taxonomic problems involving various Cenozoic bugs. Sedimentation problems concern imbricate beach structure, some of the offshore banks, deposition in offshore basins, interpretation of swash marks, and grain size distribution in the Los Angeles basin. Other investigations involve the petrography of some intrusives near Corona, mapping in the Santa Ana Mountains, mapping in the Santa Monica Mountains, and mapping in the Piru Creek region.

U.C.L.A. GEOLOGY CAMP

The advanced Field Course of U.C.L.A. is working this summer in the Garden Valley Quadrangle, about 20 miles northwest of Eureka, Nevada. About 60 students are in the group, led by Drs. John C. Crowell, Daniel I. Axelrod, Clemens A. Nelson, and Donald Carlisle. Through the courtesy of the Callahan Zinc-Lead Company, the U.C.L.A. camp, with the Pomona College camp under Dr. John Shelton, will stay at the Mount Hope mine, where water and housing facilities are available. Any geologists in that part of the world are cordially invited to visit the camp between the dates of June 22nd. and August 2nd.

The area around Eureka, Nevada, is ideally suited for a geology summer camp. The country is high so days are seldom uncomfortably hot and nights are always cool. Fences are unknown and brush and access difficulties are non-existent. In addition, Paleozoic sediments, complexly folded and faulted, are well exposed, so the students so far trained in Coast Range geology can gain experience in a different kind of geology.

STANFORD NEWS

The Stanford student field camp is to be held during the early portion of the summer on the Irvine Ranch, and during the last half of the allotted time at Silver Peak, Nevada.

This year all Stanford graduates who were seeking permanent employment have been placed.

Graduate students are working on a wide variety of problems including work at Bikini Atoll, ground water work in New Mexico, field mapping in the Zimapan area of Mexico, several Canadian and one Venezuelan problem.

CALENDAR

August 1, 1950; Tues. 7:00 p.m. AAPG Coastal Geological Society Dinner Meeting, Barbara Hotel, Santa Barbara; (1) F. D. Anderson, "Some Legal Problems of Concern to the Geologist and Engineer", (2) Leo Newfarmer, "Signs of Progress in Petroleum Geology", (3) Fred Maloney and Thomas Bibb, "The South Mountain Oil Field".

August 3, 1950; Thurs. 6:30 p.m. CNGA Dinner Meeting, Rio Hondo Country Club, Downey. C. L. Parkhill, "L. P. G. Beyond the Loading Rack".

August 8, 1950; Tues. 7:00 p.m. AAPG San Joaquin Geological Society Dinner Meeting, Hotel El Tejon, Bakersfield.

August 21, 1950; Mon. 7:00 p.m. AAPG Pacific Section Forum, Edison Bldg. Auditorium, Los Angeles. Dr. D. Griggs, "Pressure Box Deformation".

August 28, 1950; Mon. 7:00 p.m. AIME Petroleum Technology Group, General Petroleum Auditorium, Los Angeles, "Laboratory Studies on Oil Recovery", Fifth in Water Flood Series.

PACIFIC PETROLEUM GEOLOGIST
PACIFIC SECTION, A.A.P.G.
ROOM 932
714 WEST OLYMPIC BLVD.
LOS ANGELES, 15, CALIFORNIA.
RETURN POSTAGE GUARANTEED

Vol. 4, No. 8

BIBLIOGRAPHY OF RECENT PUBLICATIONS

****Pacific Coast Geology**

***Other Articles of Special Interest**

SCIENTIFIC PUBLICATIONS - JOURNALS & BULLETINS

Colorado School of Mines

Quarterly Vol. 45, 75th Anniversary Volume

"Mineral Resources in World Affairs"

Following Parts Recommended:

1B - "Applied Geology" - Price \$3.00

3B - "Petroleum Engineering" - Price 50¢

4A - "Geophysics" - Price \$1.00

Subsurface Geologic Methods (A Symposium)

*2nd Edition 1950. Compiled by L. M. LeRoy

Price \$7.00

Above available from Dept. of Publications,
Colorado School of Mines, Golden, Colo.

TRADE JOURNALS & MISCELLANEOUS MAGAZINES

Petroleum Engineer, Reference Annual Vol. XXII

No. 7, 1950

"Oil Around the World" by T. S. Peterson,
pp. A-29-32.

"Radioactivity Well Logging" by R. B.
Downing and J. M. Terry, pp. B-40-52.

"Research in the Petroleum Industry"
by F. L. Miller, pp. E-20-24.

Tomorrow's Tools - Today! Lane-Wells.
2nd Quarter, 1950

"A Practical Evaluation of the Neutron Log
for Canadian Oil Fields" by Jack Henley &
John R. McKay, pp. 25-35.

World Oil, June 1950

**"Bacterial Activities & the Origin of Oil"
by Dr. Claude E. ZoBell, pp. 128-138.

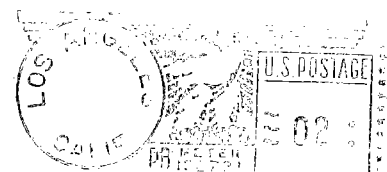
World Oil, July 1950

"Internal Structure of Shoestring Sands"
by Oren F. Evans, pp. 66-70.

"Electronics Applied to Oil Exploration"
by B. M. Balter, pp. 72-77.

World Petroleum, July 1950

*"Canadian Review Number"



Mr. Fred R. Neuman
381 E. 4th St.
Chico
California

PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 4

September, 1950

Number 9

ASSOCIATION ACTIVITIES

L. A. FORUM

The regular meeting for August was held at the Edison Building Auditorium on Monday evening, the 21st. Bill Greenwalt, Union, was chairman for the evening and a most interesting program had been arranged.

Al Kerr, formerly of the Ohio Oil Co. and now instructing at Long Beach City College, told the audience of the teaching program at that institution which pertained to the training of men for the oil industry. It was pointed out that as this study is classified as training for a trade it receives a federal subsidy and is sponsored by the American Association of Oilwell Drilling Contractors. This promotes close coordination of the study program with actual field conditions. Emphasizing that the object of the two-year course is to train men to become roughnecks, drillers and toolpushers, Al outlined the course of study. The first year men are given theory and practical work involving power plants, draw works, derrick equipment, pumps, and the drilling string with much emphasis placed on preventive maintenance and safety. Concurrently they study pertinent geological topics which are designed to illustrate the need for proper handling of cores and ditch samples and the correct keeping of a driller's log. In this connection field trips are taken to oil company paleontological laboratories and through geological departments to show the students the use made of data collected at the well. Courses in United States History and English are also required. Placement with drilling crews as roughnecks for the summer months occurs between the first and second years of study and gives the first practical experience to most of the men. The second year of training emphasizes drilling practice and problems to include the proper selection of the proper tool for a particular job, an intensive study of fishing tools and techniques, directional drilling, special wire-line operations, cementing, testing and elementary production practices. Important courses in management and labor relations attempt to present some of the many problems that need to be met intelligently on the derrick floor. A graduate of the two-year course receives an Associate of Arts Degree.

A request was made to all individuals and/or companies for old composite catalogs, trade journals and equipment (particularly cut-away models) that might be useful in instructing along the lines indicated above. Such helpful things should be sent to A. R. Kerr, Long Beach City College, Pacific Coast Highway and Alamitos Streets, Long Beach.

As the second speaker of the evening David Griggs, formerly associated with Dr. P. W. Bridgman at Harvard and presently with the Institute of Geophysics at U.C.L.A. gave an interesting, illustrated lecture on high pressure deformation of rocks. His apparatus produces plastic flow in marble, subject to compression and to "tension" with a confining liquid pressure. Griggs explained that his "tensional" deformation is obtained by reducing the pressure on the ends of a test cylinder

which is subject to hydrostatic confining pressure - thus producing in effect "tension". Quantitative work done with a practically pure marble, in which specimens have been deformed as much as 40%, has yielded interesting information on the mechanism of deformation. Thin sections of this marble after deformation show no granulation at grain boundaries, indicating that no intergranular movement took place, and show no increase or decrease in grain size. Intragranular shear is the effect noted in thin section. It was explained that either or both of two mechanisms, twinning and/or translation-gliding might account for the deformation but that since translation requires a greater force than twinning it was first thought twinning was the primary mechanism of deformation. Griggs showed slides of predicted fabric diagrams calculated by John Handin for specimens deformed both in tension and compression. These diagrams are being compared with the fabric of the experimentally deformed specimens measured by Professor Frank Turner at the University of California at Berkeley. The observed changes are qualitatively similar to the predicted ones but Handin's calculated results showed a much higher degree of preferred orientation than was observed experimentally. Griggs stated that perhaps the statistical method by which the fabric is extrapolated from individual grain data may not have been the most nearly correct and that presently Handin is attempting to recalculate the data using a different and, hopefully, a more promising method. These experiments were made at room temperature and without the presence of water or mineralizers. Work is now being done at elevated temperatures, and in the presence of solutions - all at high pressure, still on marble.

REMINDER

The annual convention meetings of the Pacific Coast Section will be held October 19th and 20th at the Ambassador Hotel in Los Angeles. The dinner-dance which is being arranged by Joe Hathaway of Pacific Western is to be held on Friday evening, October 20th.

An innovation this year will be the holding of "Alma Mater" luncheons on the 20th. In this connection it is requested that alumni of universities other than Colorado School of Mines and U.C.L.A. (whose luncheons are already being planned) informally select some member of their group to organize their luncheon, and that this person contact Frank Parker at Signal Oil and Gas, Los Angeles, in order that coordination may be effected.

All persons desiring to present papers should contact Russ Simonson, Ohio Oil Company, Los Angeles, prior to September 15th.

SEG LUNCHEON MEETING

Thursday, Sept. 14, 1950, the Pacific Coast Section of the Society of Exploration Geophysicists will hold a luncheon meeting at the Rodger Young Auditorium. Mr Robert Simpson of the Pacific Telephone and Telegraph Co. will talk on "Micro-wave Radio Transmission and Demonstration". The talk is designed for the layman, however Mr. Simpson is well qualified to answer technical questions. The luncheon is \$1.90, including tax and tip. All interested parties are invited to attend. For firm reservations please call Mr. Erickson, Mutual 5212, by Monday, Sept. 11, 1950

EXECUTIVE COMMITTEE, PACIFIC SECTION
AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

J. R. Pemberton	President
Arthur S. Huey	Vice-President
Milton W. Lewis	Secretary-Treasurer
Clifton W. Johnson	Past-President
John T. Isberg	San Joaquin Representative

PACIFIC PETROLEUM GEOLOGIST

Published monthly by the Pacific Section, American Association of Petroleum Geologists. Address communications to the: Pacific Petroleum Geologist, Room 932, 714 West Olympic Blvd., Los Angeles 15.

Editor:	John Loofbourov
Assistant Editors:	Ted Bear
	Sam Stewart

Department Editors:	
Activities:	Robert Maynard
Personal Items:	Richard Ballantyne
Selected Bibliography:	Jack Tomkins
Calendar:	J. Douglas Traxler
Cartoonist:	Harold Sullwold
San Joaquin Representative:	Everett Pease
San Francisco Representative:	Willard Classen
Coast Representative:	Robert Paschall
Salinas Representative:	James O'Flynn

Next Deadline September 25, 1950

COASTAL MEETING

The Coast Geological Society's August meeting had an attendance of 94, including sundry refugees from Valley heat and L.A. traffic. The program for the evening offered: "Some Legal Problems of Concern to the Geologist and Engineer", by Frederick D. Anderson, Attorney; "Signs of Progress in Petroleum Geology", by Leo R. Newfarmer, Shell Oil Company Exploration Manager; and "The South Mountain Oil Field", by Fred V. Maloney, District Engineer, and Thomas W. Bibb, Geologist, The Texas Company.

Mr. Anderson presented a summation of potential legal problems, including options and leases, surface versus mineral rights and their relation to problems of trespass, title to geologic maps and reports, and the role of the geologist as an expert witness. At the risk of being sued for libel and misrepresentation, we will paraphrase a few of Mr. Anderson's salient generalizations:

The law of trespass is rather rigidly defined and upheld. Where mineral exploration is involved, however, the mineral rights owner may generally trespass against the wishes of the surface rights owner. On the other hand, trespassing may be prohibited by a lessee (e.g., an oil company) during the term of his lease, regardless of permission granted by either surface or mineral rights owners.

Courts have indicated that the title to maps and reports is considered to reside in the company or other employer for whom any map or report may be made. Obtaining a written release of such information is the only safe course for a technical man to follow, should he desire to use the information for his own benefit.

In serving as an expert witness, maximum cooperation with one's own lawyer was recommended. Legal modes of procedure that may appear strange are the product of hundreds of years of courtroom practice, and cannot be ignored or combatted with impunity. It is equally desirable not to "over-answer", either in volume of words or explicitness of detail.

Mr. Newfarmer offered a king-size challenge to exploration men, with a new slant on statistical interpretation. He remarked that any oil company is downright happy these days to find a 20,000,000 barrel oil field. Such a discovery is a real feather in the caps of the men responsible for it. At the same time, he added, our current daily production in the U.S. is about 5,000,000 barrels. A dismaying simple bit of arithmetic reveals that our brand new 20,000,000-barrel field is good, in terms

of national consumption, for just four days.

He went on to say that, at present, the whole basis of our oil exploration philosophy (i.e., the search for traps) is the physical law of gravity. He suggested that we have come, perhaps, to rely too much on principles which, like gravity, may not be concomitant with the primary problems of the origin and accumulation of oil. Mr. Newfarmer suggested a study of contemporary basins of deposition as one field in which geologic, as opposed to physical or chemical considerations may predominate. His implication was strong that there should be other such fields which we have either neglected to date, or whose surfaces we have only scratched.

For the benefit of the credulous, Mr. Newfarmer proposed two questions nicely designed to evaluate the potentialities of that array of technical curiosae and gadgets which we label "doodle-bugs":

1. Is it patented?
2. Is the man who owns it rich?

Mr. Maloney and Mr. Bibb afforded a quite complete summary of the South Mountain oil field's geologic and engineering problems. A notable feature is the fact that now, 35 years after discovery, the limits of production on both the south and east have yet to be delineated. A complex system of cross-faulting contrives to make a semi-wildcat of each well drilled in the southeastern part of the field, where a drilling campaign has doubled the field's total number of producers since 1945.

Typical drilling and production problems are high circulation losses at shallow depths, and a rapid decline from initial productions, which may be attributable to paraffine plugging action near the well-bore.

CAL TECH SUMMER FIELD CAMP 1950

If you see a man wandering about in Pasadena with a deep tan, wearing a pair of worn out field boots, and with hands calloused as if by holding a geology pick and/or a can of beer, the chances are good that he was a member of the Cal Tech mid-century class in summer field geology, which held forth in New Mexico for a six-weeks period during June and July. In order to make the identification certain, just mention meals at the Bell Ranch, and if the character smiles and you see that nostalgic, faraway look in his eye, it's a safe bet that he was one of the 1950 crew.

This year a total of 16 men made the trek to a rugged and scenic part of the Sacramento Mountains, in south-central New Mexico. The group comprised nine undergraduates, five graduate students, and a three-man supercargo composed of the student camp manager, Bill Muehlberger, and two Cal Tech staff members, Ian Campbell and Lloyd Pray.

PERSONAL ITEMS

Max L. Krueger, well-known independent consulting petroleum geologist, merchant of Laramie and cattle rancher, has announced his bid as candidate on the Republican ticket as representative in the Wyoming State legislature.

Donald G. Herring, Jr. has been transferred from the New Orleans office of the Texas Co. to be geologist in the Los Angeles office.

Shell's rapidly expanding Ventura exploration force recently welcomed Ursel Armstrong, Roy Cline, Kenneth Frost, H. L. Popenoe, and Frank Webster.

Harold Billman recently had a layover at the Union Lab in Santa Maria, en route from Olympia, Washington, to Sacramento. Couldn't he have found a more direct route?

Cutler Webster may decide the next fish is not so important. The one he hung onto in Montana hauled him over the rocks, with several ribs parting company from the cartilage in the process. There's determination for you.

The Texas Company graciously passed up a wonderful opportunity to drill a no-dope hole. Some operators might have considered telling the Honor Farm gate guards that all the rest of us were spies and saboteurs.

A caravan of frustrated core-snatchers recently followed a trail from Ventura Avenue to West Mountain. When the errant corehouse was located, they turned around and went home -- because the core trays had swapped places so many times on a rough journey that not even a bugman could have put them in order.

William MacKersie of Kern Oil Co. now receives his mail at Santa Paula.

Max Capen was recently transferred to Canada. His mail is now sent to the Seaboard Oil Co., 735 Eighth Avenue West, Calgary, Alberta, Canada.

"Snooky" Chambers was recently in Canada where he ran into Gene Vallat. Seems that the meeting occurred at the ski lift at Banff.

Bill Lewis is now district geologist in the San Joaquin Valley for General Petroleum.

Lesh Forrest is now engaged in research work for General Petroleum in Bakersfield.

Frank Bell has returned to Shell's L. A. Office after a sojourn in Houston.

George O'Brien, Standard Oil Vice-President, sponsored a golf tourney at the Willwick Country Club on August 19th for his company's Southern District. Bill Winham walked away with second place because he didn't like the first place prize. John Ruth also played -- his trouble was on the first tee where he misjudged his handicap.

Galen Sturgeon, normally Geologist-in-Charge of Shell's Grand Junction, Colorado, Office is in the Los Angeles Office during Max Birkhauser's absence.

Recently an intrepid band of geologists, including Ross Phillips, Burt Ellison, Chris Christensen, Bob Rist and Bob Johnson, were seized with a desire to climb Mt. Whitney. Although this expedition was filled with determination and enthusiasm, the results were somewhat disappointing. It seems that Phillips became so tired from driving that he didn't choose to try the climb; Ellison assumed a distinctly blasé attitude toward the idea, having once climbed the hill in his youth; Christensen made a gallant attempt, but was stricken with a nosebleed near the top and had to turn back; Bob Rist is said to have run out of gas 200' from the summit and was subjected to the indignity of watching a very hefty old woman barge on up to the top; Bob Johnson alone succeeded, being the only one in the group who can remember what field work is like.

Stan Beck has just acquired a cabin in the hills. It is understood that he also has a new rifle. Whether he intends to use the gun for deer hunting or to keep week-end visitors down to a reasonable figure is not known.

R. B. Galeski of Honolulu is being transferred from Los Angeles to Bakersfield, and Bob Johnson will move from Bakersfield to San Francisco.

Jack Gallois is now visiting in France.

T. F. (Jerry) Harriss is back from Arabia where he has been doing geology for the Arabian-American Oil Company. Jerry studied at Pomona College and the University of California. He previously worked for Standard of California.

John Forman and Phil Jackson are doing field work for Claremont theses in the vicinity of Eureka, Nevada.

John Handin leaves the Institute of Geophysics at U.C.L.A. to accept the position of Research Geologist with Shell in Houston. He will be working on experimental tectonics.

E. M. Bedford has recently returned from a prolonged trip through the eastern states and Canada. Anyone who wants to know why the White House renovation is costing \$4,500,000 can find out by calling him at Western Gulf.

No one sees Dan Flynn in the L. A. Office any more, now that he's sitting on the G. P. "McNally" wall at La Mirada.

A. J. Macmillan is now looking for a house in Santa Paula area. He has recently replaced E. R. Baddley as Texas Co. District Geologist for the Coastal District which now includes the Newhall Area. Baddley replaces F. D. Bode as District Geologist for the Los Angeles Basin District. Bode has received an assignment as special assistant to J. R. Dorrance, Texas Co. Chief Geologist.

Wedding bells rang August 19th for Mary Gore, secretary in Humble's Scouting Department, who now has taken the name of Mrs. Elmer Perry.

Our overworked Secretary-Treasurer, Milt Lewis, is vacationing with his family at Huntington Lake.

Dr. Howell Williams has returned from Central America to resume duties in the Geology Department at Berkeley.

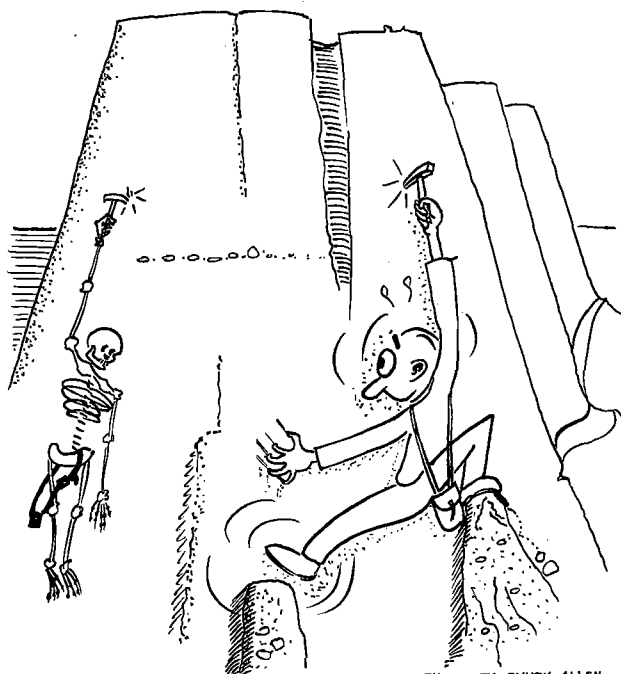
Dr. Robert M. Kleinpell is on leave of absence from Berkeley's Paleontology Department for the year 1950-1951.

Homer Steiny is enjoying a visit with his son and daughter-in-law who are down from San Francisco with their new baby daughter. She is Homer's first grandchild and is he spoiling her!

Saturday evening, July 29th, twenty-four Petroleum Geologists representing ten companies met in Ely, Nevada, for dinner. They organized the Eastern Nevada Geological Society, a non-profit organization. Its prime objective is to incorporate the word "Petroleum" in the title. Meetings will be held every two weeks in the banquet room of Ely's Hotel Nevada. All wandering geologists are invited. False mustaches and dark glasses will be sold at the door.

Leo Newfarmer is just back from his vacation. Seems that he didn't strike it rich while panning gold in the Mother Lode country -- could be that he was 101 years too late.

ANDY CLINE by sullwold



THANK TO CHUCK ALLEN

CALENDAR

- Sept. 5-8, 1950; GAC, AAPG & SEG Joint Meeting, Banff, Alberta.
- Sept. 6, 1950; Wed. 7:00 P.M. AIME Pacific Petroleum Branch, General Petroleum Auditorium, Los Angeles. K. A. Beck, "Modern Synthetic Fuels Processes".
- Sept. 7, 1950; Thurs. 12:00 Noon. AAPG Pacific Section Luncheon, Rodger Young Auditorium. John L. Kerr, "Oil Investments for the Practical Oil Man".
- Sept. 7, 1950; Thurs. 6:30 P.M. CNGA Dinner Meeting Rio Hondo Country Club, Downey. C. K. Villand, "Research in the Petroleum Industry Today and Tomorrow".
- Sept. 9, 1950; Sat. Petroleum Production Pioneers Barbecue, Shell Recreation Park, Wireline Canyon, Brea.
- Sept. 12, 1950; Tues. 7:00 P.M. AAPG San Joaquin Valley Geological Society, Dinner Meeting. El Tejon, Bakersfield, Stan Beck, "Eocene and Paleocene Correlations".
- Sept. 14, 1950; Thurs. 12:00 Noon, SEG Pacific Coast Section, Luncheon Meeting, Rodger Young Auditorium, Los Angeles, Robert Simonsen, "Micro Wave Radio Transmission".
- Sept. 14, 1950; Thurs. 6:30 P.M. AIME Junior and Senior Petroleum Group, Joint Dinner Meeting, Rio Hondo Country Club, Downey. H. Hamilton's movie, "Africa Big Game Hunt".
- Sept. 15, 1950; Fri. 8:00 P.M. AAPG Coastal Geological Society, Annual Dinner Dance, Mar Monte Hotel, Santa Barbara.
- Sept. 18, 1950; Mon. 7:00 P.M. AAPG Pacific Section, Forum, General Petroleum Auditorium, Los Angeles. Bill Pemberton, "Wyoming Field Conference". Dr. G. E. ZoBell "Part Played by Bacteria in the Origin of Oil".
- Sept. 19, 1950; Tues. 8:00 P.M. API San Joaquin Valley Chapter, 11-C Camp, Taft, Bill Barbatt, Title to be announced.
- Sept. 20, 1950; Wed. 7:30 API Goalinga-Kettleman Chapter, Barbecue.
- Sept. 22, 1950; API Los Angeles Basin Chapter, Barbecue, Union Oil's Brea Park.
- Sept. 25, 1950; Mon. 7:00 P.M. AIME Petroleum Technology Group, General Petroleum Auditorium, Los Angeles, Norris Johnson, "Laboratory Studies on Oil Recovery". Sixth in Series.

PACIFIC PETROLEUM GEOLOGIST
PACIFIC SECTION, A.A.P.G.
ROOM 932
714 WEST OLYMPIC BLVD.
LOS ANGELES, 15. CALIFORNIA.
RETURN POSTAGE GUARANTEED

Vol. 4, No. 9

BIBLIOGRAPHY
OF RECENT PUBLICATIONS

**Pacific Coast Geology
*Other Articles of Special Interest

SCIENTIFIC PUBLICATIONS - JOURNALS & BULLETINS

Calif. Jour. of Mines & Geology, Vol. 46 No. 3 July 1950

Jour. of Geology July 1950

*Special Issue on Limestone Reefs Available from Walker Museum University of Chicago, Chicago 37, Ill.
Price \$1.50.

Scientific American July 1950

"Soil" by Charles E. Kellogg, pp. 30-40

U.S.G. Oil and Gas Investigations Prelim. Chart 39, 1950

*"Pre-Pennsylvanian Rocks Along the Front Range of Colorado" by John C. Maher,
Price 50¢

TRADE JOURNALS AND MISCELLANEOUS MAGAZINES

Fortune Magazine August 1950

"Synthetic Crystals" pp. 95-108

Petroleum Engineer August 1950

"Looking Ahead at Alberta Oil and Gas" by H. G. Cochrane, pp. A-33-36

World Oil, August 1950

*"Are Oil Shales Natural Source Beds of Petroleum?" by Bernard V. Ferris, pp. 80-88

World Petroleum August 1950

*"Tidelands Disposition Still an Open Question" by Joseph B. Huttlinger, pp. 34-35



Mr. Fred R. Neuman
381 E. 4th St.
Chico
California

PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 4

November, 1950

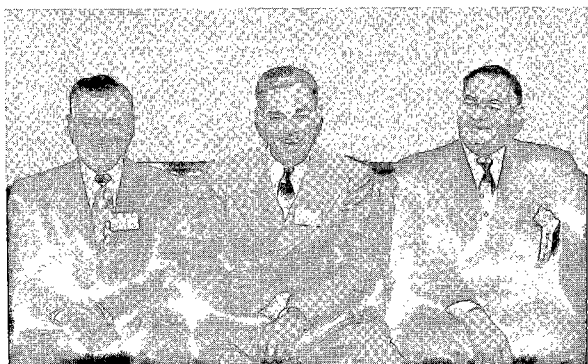
Number 11

ASSOCIATION ACTIVITIES

PACIFIC SECTION OFFICERS

Flanked on his right by Jack Knight the new Secretary-Treasurer, and on his left by Frank Parker, the new "Veep", Frank Carter, the new President of the Pacific Section A.A.P.G. beams enthusiastically at the membership.

The "Pres" hails from the General Petroleum Corp., Frank Parker from Signal Oil & Gas, and Jack Knight is the pride of British American.



Hal Coop Photo

CONVENTION STATISTICS

As several people were wounded on the dance floor and many were unable, because of the jam, to get into the Rapid Blueprint Room for a drink, it may be well to allow these horrible figures to shudder home.

Registered at meeting	517
1951 Dues paid	481
Luncheon attendance	396
Dinner dance	428

NEW S.E.P.M. OFFICERS

During the recent convention, the Pacific Section S.E.P.M. elected as its President for the coming year Louis Simon, Texas Company. Doug Crawford, Union Oil Co. received the honor of being elected Secretary-Treasurer of the organization.

BAKERSFIELD OFFICERS

At the regular dinner meeting of the San Joaquin Geological Society, a Soviet type election resulted in Stan Beck being made Chairman of the Society for 1951, John Hale, Vice Chairman and Tennant Brooks, Secretary-Treasurer. Bill Pemberton was guest speaker for the evening.

ASSOCIATION AFFAIRS

National President C. L. Moody gave a most interesting talk at the convention luncheon Thursday, the 19th, which illustrated the stability and solvency of national organization, and indicated the several channels of endeavor into which the energy of the organization is being directed.

From an original membership of 94 the organization has grown to an estimated 8000 of which 66% are full members, 25% are associates and 9% juniors. Better than 75% of the members added this past year are juniors, and so, will normally advance to full membership in three years.

The financial position of the organization is strong and no increase in the amount of dues per member is yet necessary. Total assets of the organization are slightly less than \$300,000.00 and anticipated gross income for 1951 is expected to just about cancel the anticipated obligations at approximately \$162,500.00. The organization is classified by the U.S. Treasury Dept. as "non-profit".

A retirement plan for employees of the organization is now in effect.

A research fund of \$12,000 to which \$2,500.00 has been contributed this year finances several projects of importance to the profession.

Work of the Association through the American Geological Institute has been effective, it is believed, in clearly defining to the authorities who shape mobilization plans the importance to the national economy of keeping oil-finding geologists at work in America. Further, suggestions as to the use of geologists for special military tasks are thought to have influenced manpower decisions.

A challenging statement closed Mr. Moody's talk, "The continued prosperity of the profession, and the welfare of the Association too, hinge on the continued ability of individual geologists to encourage the venture of capital by demonstrably reducing the risk involved in exploratory drilling."

COASTAL SOCIETY MEETING

Two very interesting papers were presented at the Oct. 3rd dinner meeting of the Coastal Society. Charles M. Cross, Honolulu Oil Corp., gave a comprehensive summary of the "General Geology and Developments in the Santa Cruz Area"; L. A. Rickel, Supervisor of Los Padres National Forest, discussed "Los Padres Forest from the Standpoint of Oil Development"; and in addition to the papers the color motion picture "Limestone Pore Space" which was produced by the Stanolind Oil and Gas Company, was shown.

Mr. Cross outlined the Santa Cruz area's boundaries, which consist of the Montara granite mass to the north, the San Andreas fault to the east, the Ben Lomand fault at the granite on the south, and the Pacific Ocean on the west.

In this small basin are a total of at least 22,000 feet of Tertiary beds, plus an additional approximate 9000 feet of Cretaceous.

The area abounds in oil seeps, which caught the eye of pioneer oil men. Small production was developed in the basin in 1877. The thick Tertiary section and the abundance of surface oil indications render the area still promising seventy-three years later.

EXECUTIVE COMMITTEE, PACIFIC SECTION
AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

J. R. Pemberton	President
Arthur S. Huey	Vice-President
Milton W. Lewis	Secretary-Treasurer
Clifton W. Johnson	Past-President
John T. Isberg	San Joaquin Representative

PACIFIC PETROLEUM GEOLOGIST

Published monthly by the Pacific Section, American Association of Petroleum Geologists. Address communications to the: Pacific Petroleum Geologist, Room 932, 714 West Olympic Blvd., Los Angeles 15.

Editor: John Loofbouroch
Assistant Editors: Ted Bear
Sam Stewart

Department Editors:

Activities:	Robert Maynard
Personal Items:	Richard Ballantyne
Selected Bibliography:	Jack Tomkins
Calendar:	J. Douglas Traxler
Cartoonist:	Harold Sullwold
San Joaquin Representative:	Everett Pease
San Francisco Representative:	Willard Classen
Coast Representative:	Robert Paschall
Salinas Representative:	James O'Flynn

Next Deadline November 27, 1950

Mr. Rickel, of the U. S. Forest Service, outlined the role of the national forests in the country's history and economy. He emphasized that in the document which established the forests in 1905, it was stated that the forests were intended to provide the "...greatest good for the greatest number of people in the long run." A major concern of those initiating the national forest program was to conserve "wood, water, and forage." Water, with its attendant problems of erosion, pollution, etc., has been the prime consideration in Los Padres Forest to date.

Stanolind's motion picture on "Limestone Pore Space" presented a unique method of porosity and permeability determination. A limestone core was cut by a saw in a series of about one-eighth inch slices. The face of the core was photographed following the removal of each slice. Each picture then became part of a movie, which revealed the vugs and the intergranular porosity of the limestone. The series of pictures permitted a detailed study of the pinching and swelling and lateral persistence of openings.

PACIFIC SECTION DIRECTORY

At the Thursday morning business meeting, during the recent convention, the general assembly voted almost unanimously in favor of the publication of a complete roster-directory of the Pacific Section A.A.P.G.

This directory as now planned would consist of a booklet-looseleaf-pages about 3½ x 5", with individual pictures and pertinent data on each member. It is thought there will be five pictures to the page.

The cost per copy is estimated to be \$2.50 but with some advertising support this cost may be lowered to \$1.50 - \$2.00.

During the convention a photographer's booth was in operation and the directory committee is pleased to report approximately 60% of the registered members were photographed.

The committee will meet shortly to plan a "clean-up" program to obtain pictures and information on the balance of the membership.

For the present there is no need for members to write for instructions, as those members who were absent from the convention or who were unable to have their picture taken at that time will be contacted by the committee and requested to submit their photograph and pertinent data according to a desired form.

The committee at work on this project, the members of which were appointed by former president Pemberton, consist of Milton W. Lewis, A. S. Huey, R. S. Johnson, and R. G. Maynard.



FRANK A. MORGAN
Our Candidate for National President

The Pacific Section is honored in having one of its most active geologists and oil company executives nominated this year for the office of National President of the Association. Despite the prominent role that the California oil industry is playing in the international situation at this time, the nominating committee was undoubtedly motivated primarily in its choice of Frank Morgan by his outstanding record as a leader, both in the Association and in the industry at large. His nomination offers the Association an unusual opportunity in that it can elect a man who for the past twenty years has been closely associated both with oil company management and with the affairs of the Association.

The record of Frank Morgan in A.A.P.G. activities throughout the past twenty years admirably demonstrates his fitness to lead the Association. His knowledge of the operational procedures of the Association is built upon a solid foundation of years of service in many of its committees, among them the Business Committee, the Constitution and By-Laws Committee, the Mimeographed Publications Committee, and the National Service Committee. In 1933 he was appointed chairman of the Business Committee, and in 1935 was elected Vice President and served in this capacity during A. I. Levorsen's term as President.

His record in the Pacific Section speaks for itself. Frank Morgan was active in its founding, and was identified with a number of committees during its early growth. He was elected President of the Section in 1933, and has shown a continuing interest in Pacific Section affairs through the ensuing years.

A graduate of the University of California in 1920, Frank Morgan took his place in oil exploration as a consultant and evaluation engineer. In 1929 he became vice president and chief geologist of the Rio Grande Oil Company, and in 1937 he assumed management of the exploration department of the Richfield Oil Corporation, later becoming vice president in charge of exploration. Throughout these years of progress in the industry, his record has been marked by enviable success in oil finding.

During this time his long association with corporation management, paralleled by a keen interest in Association affairs, has made him vitally aware of the need to develop a consciousness on the part of management of the importance of the Association and its activities, and, consequently, he is in a unique position to gain greater recognition for the Association by the oil industry as a whole.

The Pacific Petroleum Geologist has interviewed Frank Morgan relative to his ideas on Association policies. He feels that no radical changes are in order, and points to the outstanding success of the Association which speaks well for the wisdom of the present policies and management. He does feel that a strengthening of the business operations of the Association might be advantageous, permitting an enlarged administrative staff in the fields of manpower and public relations. He believes wholeheartedly that management should become more aware of the petroleum geologist and of the increasing importance of his place in the industry.

CONVENTION NEWS



CONVENTION PROGRAM

Russ Simonson, program chairman for the convention, has announced the following tentative program for the meetings on October 19th and 20th. Further inquiry about the program should be addressed to Russ % Ohio Oil Company, 437 S. Hill Street, Los Angeles 13, California.

Thursday morning and afternoon joint session

Opening Remarks - J. R. (Bill) Pemberton, Consultant, Pres. Pac. Sec. A.A.P.G.

"Geology of the Montalvo Oil Field" - Leo Moir, Wilshire Oil Company.

"Geology of the Kamishak Bay Area, Cook Inlet, Alaska" - John C. Hazzard, Union Oil Company of California.

"Recent Development in the Tejon Ranch Area, Kern County, California" - H.K. Armstrong, Consultant.

"Some Formations Exposed in the Cuyama Gorge, Branch Mountain Quadrangle, California" - Thomas Clements, Professor of Geology, Univ. So. Calif.

"Program of the American Geological Institute" - David M. Delo, Executive Director.

"Calder Field, Kern County, California" - Frank Carter, General Petroleum Corp.

"Signs of Progress in Geology and Geophysics" - Paul Weaver, Gulf Oil Corporation.

"Discussion of Honor Rancho Discovery, Los Angeles" - F. D. Bode and A.J. Macmillan, Jr., The Texas Company.

"Report of the Pacific Coast Subcommittee on the Cenozoic of the Geologic Names and Correlations Committee" - R. T. White, State Exploration Company.

"Opportunities for Petroleum Development in Arizona" - Edwin D. McKee, University of Arizona.

"Development in the Cuyama Valley, California, 1950" - Arthur S. Huey, Hancock Oil Co.

"The San Miguelito Oil Field" - Hugh McClellan and R. B. Haines, Continental Oil Company.

"Petroleum Geology Geared for War" - Frank Morgan, Richfield Oil Company.

Thursday morning S.E.G. Special Session, E. L. Erickson, Continental, Chairman.

"Safety Procedures in Seismograph Exploration" (16 mm. sound color film) - R. C. Dunlap, Jr., Geophysical Service, Inc., Bakersfield.

"Routine Delta-T Analysis for Field Crew Use" - Carl H. Savit, Western Geophysical Company, Los Angeles.

"Anomalous Deep Reflections in Big Horn County, Montana" - Arne Junger, Shell Oil Company, Casper, Wyoming.

"Frequency Studies of Seismic Waves" - J. J. Jakosky, Geophysical Consultant, Los Angeles.

"Magnetic Core Orientation" - N. A. Riley, California Research Corporation, La Habra.

"Limestone Pore Space Study" (16 mm. sound color film) - Stanolind Oil and Gas Company.

Thursday noon Convention Luncheon

Embassy Room, Ambassador Hotel -- Price \$2.50. National A.A.P.G. President C. L. Moody will speak on "Association Affairs".

Thursday evening S.E.P.M. Dinner

Mona Lisa Restaurant - Price \$3.00 -

Discussion of the stratigraphic section from Mt. Diablo through the gas fields of Rio Vista, Thornton and Lodi to the outcrop section of the Sierra Front. The discussion is sponsored by the Sacramento Valley District Committee of the Pacific Coast Subcommittee on the Cenozoic of the Geologic Names and Correlations Committee. Al Solari of Standard will lead the discussion.

* * * *

Friday Symposium on Possible Future Oil Provinces of the Pacific Coast Region - Graham B. Moody, Chairman

"Washington" - T.J. Etherington, Standard Oil Company of California.

"Oregon" - H. J. Buddenhagen, Shell Oil Company.

"Nevada" - Paul H. Dudley, Consultant.

"California"

'Northern Coast Region' - G. C. Gester, Standard Oil Company of California.

'Sacramento Valley' - H. D. Hobson, General Petroleum Corporation.

'San Joaquin Valley' - J. E. Kilkenny, C.C.M.O. Oil Company.

'Central Coast Ranges' - J. E. Kilkenny and A. S. Huey.

'Santa Maria Basin' - B. C. Lupton, General Petroleum Corporation.

'Ventura Basin' - W. W. Rand, Union Oil Company of California.

'Los Angeles Basin' - E. C. Edwards, Consultant.

'Offshore Southern California' - K. O. Emery, University of Southern California.

'Southern Coastal and Southern Mountain' - Gordon B. Oakeshott, Division of Mines.

'Imperial Valley' - L. A. Tarbet.

'Eastern Desert and Mountains' - W. H. Easton, University of Southern California.

Friday noon S.E.G. luncheon

Ambassador Hotel

"How Seismograph Interpretation is Related to Changes in the Sedimentary Section in West Texas and New Mexico" - John Daly and C. N. Page, Honolulu Oil Corporation, Midland, Texas.

Friday noon "Alma Mater" luncheons

Time and places to be announced.

Friday evening Convention dinner dance

Embassy Room, Ambassador Hotel - Price \$6.50 per person.

DINNER DANCE

Requesting that reservations be made as early as possible for the convention dinner dance on Friday Oct. 20th, Joe Hatheway, who is supervising the arrangements for the affair, offers the following information:

Price: \$6.50 per person (includes dinner, dancing, tax and tip)
Time: Dinner promptly at 8:30
 Dancing from 9:30 - 1:30
Groups: A maximum of 4 couples to a table - one member of the party to make the reservation for others of his table, including in the reservation the names of all of his party members. Groups larger than 4 couples will be assigned adjoining tables on request. A few tables can probably be made up for groups of two or three couples on request, but dependent on space requirements, such groups may have to be expanded to four couples by dance chairman.

Orchestra: Manny Harmon (repeat performance from last year)

Reservations: By mail, with remittance for the entire group accompanying the reservation. Checks should be made payable to Pacific Section A.A.P.G. Reservations and remittances should be sent to:

Joe Hatheway
 Pacific Western Oil Corp.
 417 S. Hill Street
 Los Angeles 13, Calif.

Last minute changes and late reservations may be made at the convention but in the interest of minimizing confusion, reservations should be made by mail prior to Oct. 13th.

PERSONAL ITEMS

Two new additions have been made to the UCLA geology faculty - E. Bowman, instructor formerly from Harvard, will teach field geology and K. De P. Watson, associate professor from the University of British Columbia, who will teach petrology.

Jack Harding, who has been with Union for the past six years, is now with Hancock Oil Co. in Long Beach. Ed Hall is taking Jack's place for Union in Santa Paula.

Lanny Graff is the new scout for Standard in Bakersfield. Bob Rist, formerly the scout, is now in the geological department.

The many friends of Ed Doell will be pleased to learn that he has returned from Colombia and is now in Standard's San Francisco office. John Mann will assist him in stratigraphic research.

Bill Booth, the man with six girls, now lives in Ojai.

Ed Pickett's daughter was recently married. Time marches on!

Norris Saunders, a Stanford graduate, has joined the Texas Co. geological department at Bakersfield.

Roger Dungan of Continental Oil, came off in good shape in an automobile accident while making a trip to the well on a foggy night. A couple of roughnecks in the car ahead of him took the oncoming car head on and he plowed into their car. He was not injured.

Allen Weymouth, American Independent Oil Co., is back in the Neutral Zone of Kuwait watching American's third wildcat.

Tide Water Associated Oil Co. was out in full force at the 18th of September lunch in San Francisco. Ike Holston from Los Angeles, Bob Lindsey from the Rockies, Bill Cortwright from Bakersfield flanked by Cliff Church, Earl Dillon and Fred Menken.

Jim Kirby, California Company geologist, in New Orleans, passed through San Francisco last week enroute to Australia.

H. J. Hawley, Standard Oil Company geologist, left this week for Honolulu and way points with Australia as final destination.

Joe Graham, micropaleontology professor at Stanford, returned September 15th from a summer in Nevada working for Richfield Oil Co. The next day he was riding his son on his bicycle. Front wheel gave way, so did Joe -- bruised face, wrenched knee. He is resting at home.

Ken Frost of Shell has been called to active duty by the Navy.

Talk about a dollar doing the work of a dime -- Irv Frazier was seen doing his scouting chores in a 4-holer (Buick, that is). Is that a consequence of the Honor Farm strike?

Richard R. (Vaqueros) Thorup holds his head higher than usual these days. Since September 19th he has been called "Papa" and likes it. The new arrival, Andrea Ellen Thorup, weighed 8 lbs. 4 ozs. and according to "Papa" is a beautiful baby.

Dave Sears of Shell has established residence in Paso Robles once more to bolster the fast thinning ranks of Salinas Valley Rockhounds. He just can't stay away from the area.

The new red wagon, Nash Rambler, that Tom Baldwin is driving is not an ad for Campbell's tomato soup. Her name is "Bloody Mary"; what the hidden meaning is will have to come from Standard's Alex Tarbet who hung the label.

Jack Elam has moved to Midland, Texas, to continue his work for the Cameron Oil Co.

F. E. Minshall has been transferred to Ventura from Continental's Los Angeles office.

Congratulations are in order for Rolfe Johnson, Sunray, whose wife presented him with their first child, Barry Colt, on August 29th. Their son weighed in at 6 and 3/4 lbs.

Bill Plant, recently graduated from UCLA is working for Union at Whittier.

Tom Gross, another UCLA grad, is with Standard at Salt Lake.

Your editor had a mental lapse when he wrote in the September issue that "Bob Johnson" was transferred from Bakersfield to San Francisco for Honolulu. R. W. "Bob" Anderson is the transferee. Our apologies to Bob and the Honolulu Oil Corp. for this error.

Garroll Wagner and his family sailed from New York late in August for an extended European tour. They have visited England and Scotland and at last reports were headed by air for Stockholm.

Don Davis was in Los Angeles September 22nd to pick up his family and thence to Sacramento. New address: 2711 Riverside Boulevard, Sacramento, California.

Marshall Brown, Northern Exploration, was a recent luncheon visitor at San Francisco.

Tom Edwards, who graduated from UCLA at end of summer session, is now with the Tide Water Associated at Casper, Wyoming.

Jacquelin is the new and first addition to the Jack West's home, arriving on the September 21st stork - 6 lbs. 6 ozs.

Ed Gribi doing field work for General Petroleum in the Santa Cruz area had a last minute and we repeat "last minute" reprieve upon delayed receipt of deferment from Uncle Sam.

Louie Knox, formerly with Peters' Logging Service and now consulting, became the proud father of Steven on September 14th - 7 lbs.

Pete Gardett returned to Southern California for several days due to the death of his aunt in Bakersfield.

Milt Lewis (just 19) celebrated his birthday September 7th by having the monthly luncheon meeting held on that day according to Bill Pemberton.

Homer Steiny is wondering which of his Europe-touring friends keeps sending him anonymous arty post cards from varied points.

The James B. La Fevers became the proud parents of Leslie Carol on September 5th. The father is a geologist for Shell in Ventura.

Mrs. Stanley R. Jefferys presented her husband with a son, Stephen Scott, on September 15th. He is the latest addition to Shell's "Future Geologists Club of Ventura".

Tom Folsom has been transferred from the Los Angeles geology to the Los Angeles land department of Honolulu.

Tom Etherington is back in Standard's Los Angeles office pending a new assignment.

Reliable reports indicate that for a small sum Cliff Johnson has been regularly giving Ben Lupton lessons in the science and strategy of dominos.

Ray Alexander is now scout for the Texas Co. in the Los Angeles Basin District and covers the Long Beach and Los Angeles meetings. He has been replaced in the office by Neil Waddell.

What K. P. spilled coffee on what oil company executive at the Mud Smellers' Barbecue recently held on the Shell lease in Ventura?

Bill Winham and Gene Moser have been seen playing tournament golf at Pebble Beach.

Los Angeles Basin Scouts are having a barbecue October 4th at Barneson Park on the General Petroleum property in Brea Canyon following their regular weekly meeting. Bob Sitzman, chairman of the meeting, has arranged for the barbecue. We understand Frank Carter's presence there may be questioned - he claims to have paid for four tickets but can't remember to whom he gave the money.

Carolyn Edith Hawley, 7 lbs. 10 ozs, is one of the newest members of the sandpile set. She arrived September 4th. Her mother and father are Jeanne and Art Hawley. They have another child, Frederick George.

NEW MEXICO FIELD TRIP

The first field conference of the New Mexico Geological Society will be held November 3rd, 4th, and 5th in the San Juan Basin of Northwestern New Mexico.

The east and north sides of the San Juan Basin will be studied along the route from Albuquerque to Pagosa Springs, Colo. to Durango Colo. Complete sections of rocks from Pre-Cambrian to Recent are well exposed and they will be discussed by geologists familiar with them on the trip. All participants are required to register and a ten

dollar registration fee will be collected to help defray expenses of the conference and tour. A guide book treating the areas to be visited is furnished each participant. Participants should provide their own transportation where possible, but transportation will be arranged by the Society for participants arriving in Albuquerque by train or air.

Accommodation on nights during the trip will be in motels or hotels and reservations will be made by the Society for participants.

On request, the Society will attempt to obtain accommodations on the night of November 2nd. in Albuquerque and/or on the night of November 5 in Durango, Colo.

Personal expenses for meals and lodging are borne individually.

Reservations should be made as soon as possible with Dr. Clay T. Smith, Sec.-Treas. New Mexico Geological Society, Box 21, Campus, Socorro, New Mexico.

HARRY A. SPRAGUE (1913 - 1950)

Harry A. Sprague, member of the Association since 1943, died in a plane crash in the Libyan Desert on August 31st, soon after his homeward departure from the Persian Gulf where he was employed by The Superior Oil Company.

Born in Marysville, California, May 3, 1913, Harry graduated from the University of California in 1936 and joined The Superior Oil Company in March, 1938. He became district geologist in the Bakersfield office in December, 1943, and served in that capacity until September 1, 1947 when he was sent to Cairo, Egypt, as district geologist for Superior's foreign operations. In November, 1949 he became Superior's Manager of Operations in the Persian Gulf.

In 1941 Harry was married to Rosalind Tupman of Bakersfield, who, with an infant daughter, Janet, survives. Other survivors are his father, Harry A. Sprague, Sr., and a brother, George, both of Klamath Falls, Oregon.

News of Harry's untimely death came as a shock to his many friends in California who knew him as a congenial person and a very capable and thorough geologist. His brief career as a geologist was equalled in achievement by very few in the profession in a corresponding period of time.

Bakersfield, Calif.
September 22, 1950

H. E. Harrington

TAFT A. P. I.

The San Joaquin Valley Chapter of the American Petroleum Institute held its 20th anniversary celebration meeting on Sept. 19th at the Standard Oil 11-C meeting hall in Taft. This chapter, which is the oldest active chapter in the United States and the first in California was organized October 23, 1930. Mr. H. H. Bell and E. P. Campbell, who in 1930 were Chairman and Vice Chairman respectively of the Pacific Coast Section A.P.I., were present at the anniversary meeting and conducted the proceedings. Nostalgically, the minutes of the first meeting were read by the first secretary Mal Morris.

On the first meeting in 1930, W. F. Barbat, a geologist for Standard, addressed the group and appropriately at the recent meeting Bill Barbat, now Assistant to the Chief Geologist, Standard in San Francisco, spoke on "Petroleum Geology in 1930 and 1950".

The one and only Bill Pemberton spoke with characteristic sobriety on "The Oil Industry 20 Years Ago and Today".

A highly successful and enjoyed meeting -- all present looked forward to the 1970 get-together.

L. A. MEETING A.I.M.E.

The Industrial Minerals Division of the Mining Branch, as well as the Petroleum Branch and the Metals Branch of the Southern California Section A.I.M.E. will hold fall meetings at the Elks Club on October 12th and 13th. A varied program of technical papers will be presented, and closing the meetings a dinner dance sponsored by the Petroleum Branch will be held. The program in detail is:

Friday, October 13

9:00 A.M. Main entrance hall, Elks Club
Registration of all members and guests and sale of program preprints.

Technical Session

- 9:30 A.M. El Venado Room, Elks Club
Conrad Thomas and C. R. King, Co-chairmen
1. Opening Remarks - By George D. Dub, Western Vice-Chairman, Industrial Minerals Division, and Chairman, Southern California Section (15 minutes)**
 2. California's Mineral Position in a Changing Industrial World - By Olaf P. Jenkins, Chief, State Division of Mines (30 minutes)
 3. Searles Lake and Operations of the American Potash and Chemical Corporation at Trona, California - By Jack E. Ryan, Research Department of the American Potash and Chemical Corporation (30 minutes)
 4. Production of Iodine in the United States - By Charles W. Girwin and E. B. Witmer, Deep-water Chemical Company, Ltd. (30 minutes)
 5. Operations of the Pacific Coast Borax Company - By G. A. Connell, Technical Director, Pacific Coast Borax Company (30 minutes)

All-Divisions Luncheon

12:15 P.M. Town House
George D. Dub, Chairman, Southern California Section, presiding.

Technical Session

- 2:00 P. M. El Venado Room, Elks Club
Stuart H. Ingram and M. Harrison Evans, Co-chairmen
6. Tunnel Driving for Owens River Gorge Project - By J. D. Laughlin, Assistant Engineer of Design and Construction, Los Angeles Department of Water and Power (60 minutes)
 7. Crushing by Impact - By W. W. West, Chief Sales Engineer, Pennsylvania Crusher Company (30 minutes)
 8. Bastnasite Discoveries near Mountain Pass, California - By Lloyd C. Pray and Wm. N. Sharp, California Institute of Technology and U. S. Geological Survey. (30 minutes)

Business Meeting

4:00 P. M. El Venado Room, Elks Club
Ian Campbell, Chairman, Mining Branch, Southern California Section, presiding
Annual Business Meeting of the Mining Branch: reports, nomination of officers, miscellaneous business.

Evening Entertainment

Dinner Dance, given by the Petroleum Branch. All A.I.M.E. members and their guests are cordially invited.

**Time indicated for each paper includes both presentation and discussion.

S.E.G. LUNCHEON

The southern division of the Pacific Coast Section of the Society of Exploration Geophysicists held a luncheon meeting at Roger Young Auditorium September 14th to hear Robert L. Simpson of the Pacific Telephone and Telegraph Company expound the mysteries of Micro-wave Radio Transmission. Mr. Simpson brought a whole truck-load of demonstration equipment, and those who had expected a rough time with physical and mathematical formulae were pleasantly surprised at the entertaining and painless exhibition of the basic characteristics of these waves, the use of which has expanded so greatly since their application to radar, shoran and the like during the last war.

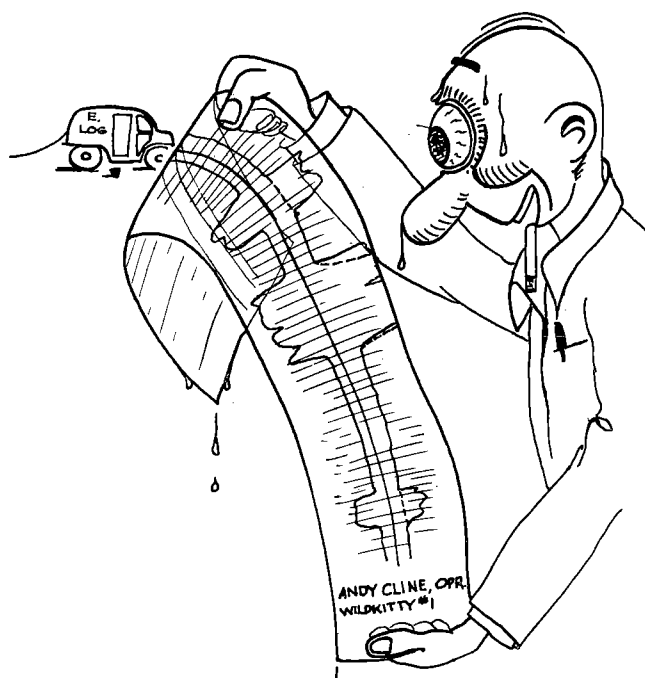
Use of micro-waves in the simultaneous transmission of hundreds of telephone conversations or of one television program was described, and the technique of sending voice and music on a modulated micro-wave beam through the air and through various types of wave guides was demonstrated. Mr. Simpson reported that a transcontinental coaxial cable has been in service carrying telephone conversations since November, 1947, but has only been used to carry television programs as far west as St. Louis. That it has not been used for television from coast to coast is because of the fact that the cost of rental of the line is higher than the television industry can now afford, since one television program, with its great band-width displaces hundreds of transcontinental phone calls from the cable.

Mr. Simpson gave the 40 S.E.G. members and guests a "scoop" on the news that the first television program from San Francisco would be transmitted the following night via the recently completed line-of-sight relayed-beam transmission link between San Francisco and Los Angeles. Thereafter, according to Mr. Simpson, outstanding programs would be regularly exchanged between these cities on most channels. He expressed the opinion that such line-of-sight transmission by relayed beam from mountain top to mountain top will probably supplant transmission of television programs via coaxial cable all over the country and that our chances of seeing programs transmitted directly from the east coast will be greatly improved when a line-of-sight relayed-beam transmission link is completed cross-country.

The program was arranged by E. L. Erickson, Southern Vice-president of the Pacific Coast Section of S.E.G. and was the first such luncheon in the Los Angeles area since the summer vacation suspension of activities. Section President R.A. Peterson presided and announced that, through the efforts of "Swede" Erickson and his committee, and through the fine cooperation of various able authors, a well-rounded program of timely papers has been arranged for the S.E.G. Fall Regional Meeting to be held jointly with the A.A.P.G. and the S.E.P.M. October 19th and 20th at the Ambassador Hotel in Los Angeles.

ANDY CLINE

by sullwold



PERSONAL ITEMS

Fred Nicolai of the Texas Company was severely injured in an automobile accident October 14th near Santa Cruz. He is in the Santa Cruz Hospital at present and his many friends will be happy to learn that he is coming along fine.

George Kevin was born to the Bill Greenwalts on the 12th of October. He is their second child and weighed in at 8 lbs. 12 oz. Bill, Union Oil Company, also has a new house and a new Buick.

Ed McDowd, Shell Oil Company, is glad to be back in sunny Southern California after mixing business and pleasure in the Rockies - 10 inches of snow at Casper, Wyoming made home more appealing. Ed says his presence in the area probably accounted for General Petroleum's Slick Creek discovery.

Pete Gardett drove down to the convention from G. P.'s Casper office with his family in a brand new Buick. He left his family at home in San Marino where he hopes to join them after his tour in the Rockies - in the not too distant future he hopes.

Jack Holzman has joined the Shell's Paso Robles geological forces where he is working under Dave Sears.

Bob Orwig and Ed Gribi have returned to General Petroleum's Los Angeles office after doing field work in the redwood country.

Harold Hamilton was seen scouting the Wyoming country - principally hunting and fishing country, that is.

T. F. "Jerry" Harriss who has worked for Standard Oil Company in California and more lately in Arabia has resigned from the company and is now consulting in Midland, Texas.

Quentin Moore is living in Hanford while looking after G. P.'s "B.L.C." 44-14 well etc.

What happened to the Petroleum Club Cribbage Champs, Frank Carter and Ed Bedford, at the Scouts' Barbecue at Barneson Park? Reliable reports indicate the Lee-Rader team found them "easy pickins".

Dave Hobson and Lowry Wadsworth are in Dallas attending research meetings.

Howard Gonsalves, Standard Oil Company, passed out cigars upon the arrival of a son, Kenton Lane, on October 4th. This is their second child, both boys, and he weighed 6 lbs. 14 oz.

Ralph Newton has been transferred from the Rio Vista to the Paso Robles office of Standard Oil Company.

Bill Lewis checked back in G. P.'s Bakersfield office sporting a new Buick, picked up on his New York trip.

Bee Landry of Associated Oil and the Desk & Derrick Club is also chairman of the Hard Luck Society. At the recent convention at the Ambassador she meets up with a handsome gent down from the Rocks for the convention. 40° gravity promises of dinner and dancing soon had her imagination on \$6 steaks and sambaing to Ciro's golden orchestra. However, the first 15 minutes found them at a horseburger joint, the second 15 minutes found that he was married, the third 15 minutes found that his better half was expecting the stork momentarily and the fourth 15 minutes found Bee at her own little home, having arrived there in a yellow and on her own mad money. "Such men", says Bee.

Max Birkhauser, senior geologist for Shell Oil Company in the Los Angeles office, is currently recovering from a major operation. He is expected to return to his office some time early in November. It is rumored that Max has had plenty of time for geological reading and that he has given some credence to the recently published theories propounded in the book "Worlds in Collision" by Velikovsky.

John Clare, a California graduate, is now with Superior in Bakersfield.

Floyd Johnson of Honolulu is now riding the range in Nevada. He can be found at the Nevada Hotel in Ely.

Don Olson, until recently with Amerada in Taft, is now doing graduate work at the University of Utah.

J. Q. Anderson has recently returned from the wilds of Saskatchewan, Canada. It is understood that among various other accomplishments, he has made that area ukulele conscious to the extent that he is known there as the poor man's Arthur Godfrey.

Standard equipment in the Coastal area these days consists of hard hat, flashlight, and rubber boots. The foregoing is considered de rigueur for a Sunday afternoon trip into the Tecolote Tunnel.

The Coast Geological Society elected this panel of officers, to serve for the coming year: Henry Neel, Tide Water Associated, President; Sam Dolman, Division of Oil and Gas, Vice-President; John Griffiths, Shell, Secretary; K. B. (Pete) Hall, Richfield, Treasurer.

S.E.P.M. NOMINEE

Nominated for the Presidency of the national organization of the Society of Economic Paleontologists and Mineralogists, Wilbur Rankin, will, if elected, climax a long career of activity in both the Pacific Section group and the national organization.

Wilbur was born in Los Angeles in 1903 and attended preliminary schools in this city. He entered and attended for two years the "Southern Branch of the University of California" (now U.C.L.A.) where in addition to his preliminary geological studies he was a "two miler" on the track team. He transferred to Berkeley and was graduated as a paleontologist with the class of 1925. One year of graduate work at Cal and Wilbur received his M.A. in 1926.



From 1927 to 1931 Wilbur was employed by the Marland Oil Co in Los Angeles, and in 1931 he established the consulting paleontological practice which he heads today.

Joining both the A.A.P.G. and the S.E.P.M. in 1927, Wilbur ranks as one of the pioneer members. He was elected Secretary-Treasurer of the Pacific Section S.E.P.M. in 1929; Secretary-Treasurer of the Pacific Section A.A.P.G. in 1932 (and re elected in 1933); President of the Pacific Section S.E.P.M. in 1939; and presently holds the office of Vice President of the National Organization S.E.P.M. to which he was elected in 1949.

Presently Wilbur is co-authoring with U.S. Grant IV and L.A. Hertlein a monograph on the paleontology of the San Diego formation.

The best regards and well wishes are tendered Wilbur from his many friends in the Pacific Section as he seeks this national honor.

CALENDAR

Nov. 2, 1950; Thurs. 6:30 p.m. Branner Club Dinner Meeting, Cal Tech Athenaeum. Dr. Ken Watson, "Geologic Features in British Columbia."

Nov. 2, 1950; Thurs. 7:00 p.m. AIME San Joaquin Valley Section, Dinner Meeting, Palm Room, Bakersfield Inn. Milton E. Loy, "MicroLogging and Its Application in California".

Nov. 9-10, 1950; CNGA Annual Fall Meeting, Los Angeles Ambassador Hotel.

Nov. 10, 1950; Fri. noon. AAPG Pacific Section Luncheon, Rodger Young Auditorium. Distinguished Lecturer L. G. Weeks, "Sedimentary Basin Development".

Nov. 13, 1950; Mon. 8:00 p.m. AAPG San Joaquin Geological Society Dinner Meeting, Maison Jaussaud Bakersfield. Distinguished Lecturer, L. G. Weeks, "Sedimentary Basin Development".

Nov. 13, 1950; Mon. 7:30 p.m. AIME Metals Branch, Cal Tech, "Diffusion of Metals".

Nov. 13-16, 1950; API Annual Meeting, Los Angeles Biltmore Hotel.

Nov. 17, 1950; Friday 7:15 p.m. SEPM meeting Stan Beck will present "Eocene & Paleocene Correlations". Edison Bldg Auditorium, Los Angeles.

Nov. 20, 1950; Mon. 7:30 p.m. AAPG Pacific Section and AIME Mining Branch Joint Meeting, General Petroleum Auditorium, Los Angeles. A. G. Wolf, "Gulf Coast Sulphur Industry".

Nov. 21, 1950; Tues. 8:00 p.m. API San Joaquin Valley Chapter, Standard 11-C Hall, Taft, Calif.

Nov. 21, 1950; Tues. 8:00 p.m. API Los Angeles Basin Chapter, Shell Recreation Hall, Long Beach.

PACIFIC PETROLEUM GEOLOGIST
PACIFIC SECTION, A.A.P.G.
ROOM 932
714 WEST OLYMPIC BLVD.
LOS ANGELES, 15, CALIFORNIA.
RETURN POSTAGE GUARANTEED

Vol. 4, No. 11

BIBLIOGRAPHY
OF RECENT PUBLICATIONSSCIENTIFIC PUBLICATIONS - JOURNALS & BULLETINS

Bull. G. S. A., August, 1950

"Origin of Filled Sink-Structures and Circle Deposits of Missouri" by J.H. Bretz. pp. 789-834.

Bull. G. S. A., September, 1950

"Geophysical Investigations in the Emerged and Submerged Atlantic Coastal Plain: Part V" by Ewing et al. pp. 877-892.

Jour. Sedimentary Petrology, September, 1950

"Sediment Movement in Relation to Current Velocity" by H. W. Menard. pp. 148-159.

TRADE JOURNALS & MISCELLANEOUS MAGAZINES

Oil & Gas Journal, October 12, 1950

**"Overdrilled Piacerita Canyon Nears Exhaustion" by D. H. Stormont. pp. 82-83.

Oil & Gas Journal, October 19, 1950

"New Method of Dip Logging" by P. C. Ingalls. pp. 151.

Petroleum Engineer, October, 1950

"Round Up of World Oil Activities" by E. Adams. Pp. A 39-58.

Petroleum Technology, September, 1950

**"A Study of Reservoir Performance of the First Grubb Pool, San Miguelito Field, Ventura County, Calif." by W. E. Glenn. pp. 243-260.

World Oil, October, 1950

"Surface Minerals Reflect Subsurface Structure in New Exploration Technique" by B.H. Lasky. pp. 73-81.

"Are Oil Shales Natural Source Beds of Petroleum" by B. J. Ferris. pp. 85-90.

** Pacific Coast Geology.



Mr. Fred R. Neuman
381 E. 4th St.
Chico
California

PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 4

October, 1950

Number 10

ASSOCIATION ACTIVITIES

L. A. FORUM

BAKERSFIELD MEETING

The first fall meeting of the San Joaquin Valley Geological Society was held at the El Tejon Hotel in Bakersfield September 12. Stan Beck, consulting paleontologist, was the speaker of the evening, his subject being "Eocene and Paleocene Correlations". More than 100 geologists and paleontologists were present, including several who participated in a discussion following Beck's presentation of ideas.

The speaker first observed that the "zones" of Laming were not to be considered as zones in the usual sense, but instead were faunal groupings to be used only as a guide in considering the Eocene and Paleocene. In commenting upon Beck's statements, Boris Laming agreed with this and said that he is still working on the problem and expects to continue the study for an indefinite period.

No division of the Eocene into Upper, Middle and Lower members is made by Beck, since he believes this cannot be done with presently available data. Several others later expressed the opinion that the top of the Domengine Grit can be considered the base of the Upper Eocene, but that a further division cannot be made.

The subject of recurrence of fauna within the Eocene and Paleocene was discussed, and several widely divergent opinions were expressed. According to Beck, such recurrences are probably not due to re-working of fauna, but instead can be explained by the continuation of a given set of ecologic conditions throughout a long period of time. According to this theory, the ecologic conditions favorable to a specific fauna may at various times be relatively close to the shore of a basin of deposition, and at other times be found well away from the shore. Wells drilled away from the shore could then be expected to encounter the same fauna more than once, and in sediments of more than one age. In this discussion, the "Green Bug Faunule" or *Silicosigmolina californica* was used as an example.

Among his general conclusions, Beck told his audience that most Eocene and Paleocene deposition occurred in waters much shallower than those known to exist during later periods, a factor which has resulted in making Eocene and Paleocene fauna less accurate as a means of correlation than is the case with Oligocene and Miocene fauna.

In concluding his remarks, Beck expressed the opinion that the Eocene-Paleocene-Cretaceous transitional sediments are more completely represented in the San Joaquin Valley than anywhere in the world, and he believes that answers to many of the problems of Eocene and Paleocene correlations will eventually be found there.

The subject of the evening was very interesting and inspired a very lively discussion which brought out several major points of disagreement regarding Eocene and Paleocene correlations. Stan Beck is to be congratulated upon his excellent and concise presentation, and for his open-minded approach to a very controversial subject.

The regular forum meeting for the month of September was held at the G. P. Auditorium the evening of Sept. 10th. A. C. Bowles of Signal was chairman for the meeting and as first speaker he presented Lloyd Pray of the Calif. Institute of Technology. Mr. Pray, showing many colored slides, discussed generally the stratigraphy and structure of the Sacramento Mountains of New Mexico. He pointed out that these exposures present one of the better opportunities for study of the productive Paleozoic horizons of the West Texas region. The Cal Tech summer field camp, working under the direction of Pray and Ian Campbell, found such stratigraphic phenomena as bioherms, rapid facies changes and disconformities well exposed in the carbonate rocks and it is thought that all students profited greatly from the summer's work.

Bill Pemberton, ably assisted by Frank Parker, reported on the Wyoming field conference, as only they could. Many scenic kodachrome slides were shown some of which depicted the beauty of Kemmerer, Wyoming; the beauty of the vast quantity of beer kept readily available; the political aspirations of Max Krueger; pretty girl geologist-guides; and incidentally an occasional shot of the geology. Several beautiful pictures were not readily identifiable by Bill or Frank although the exposures of the unknown age rocks were beautiful to behold. Most of the pictures were taken in Wyoming though, and several showed the section dipping in a direction (or else the camera was tilted). The audience was quite weak from laughter as the two finished.

Dr. Claude Zobell of the Scripps Institute of Oceanography, after relating a blow-by-blow, eye witness story of how Bill Pemberton saved the life of a stricken seaman by amputating his leg during a typhoon (which sucked the great majority of the audience into the briny deep) got into the serious phase of the program by discussion of "The Role of Bacteria in the Origin of Oil".

Assuming an organic origin of oil, Dr. Zobell pointed out that it is practically axiomatic that bacterial activity has contributed to the process, as virtually all types of organic compounds are susceptible to bacterial attack. Pointing out that bacteria can live and be biochemically active in nearly any environment in which petroleum is found in nature, and that living bacteria are found in abundance in petroliferous sediments in many oil fields, Zobell distinguished between the processes of modification of organic material by bacteria which may operate dependent on the environment. Oxidation, leading to water, carbon dioxide, ammonia, sulfate, and phosphate is the common process in an environment of oxygenated water. Humification in which the end (?) products are humus and other complex organic residues results when other environmental conditions are prevailing. Carbonization which is known to operate in peat bogs causes a progressive decrease in hydrogen, oxygen, nitrogen, sulfur, and phosphorus. In the above processes the role of bacteria is that of a sulfate reducing agency whereby the bacteria obtain their oxygen by breakdown of sulfate and/or their role is the production of biocatalysts or enzymes which assist or retard countless complex organic and inorganic reactions.

EXECUTIVE COMMITTEE, PACIFIC SECTION
AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

J. R. Pemberton	President
Arthur S. Huey	Vice-President
Milton W. Lewis	Secretary-Treasurer
Clifton W. Johnson	Past-President
John T. Isberg	San Joaquin Representative

PACIFIC PETROLEUM GEOLOGIST

Published monthly by the Pacific Section, American Association of Petroleum Geologists. Address communications to the: Pacific Petroleum Geologist, Room 932, 714 West Olympic Blvd., Los Angeles 15.

Editor:	John Loofbourow
Assistant Editors:	Ted Bear
	Sam Stewart

Department Editors:	
Activities:	Robert Maynard
Personal Items:	Richard Ballantyne
Selected Bibliography:	Jack Tomkins
Calendar:	J. Douglas Traxler
Cartoonist:	Harold Sullwold
San Joaquin Representative:	Everett Pease
San Francisco Representative:	Willard Classen
Coast Representative:	Robert Paschall
Salinas Representative:	James O'Flynn

Next Deadline October 23, 1950

Reduction which is the process that tends to convert organic material into oil has the same effect as carbonization except instead of the hydrogen-carbon ratio decreasing as in carbonization it increases and the end products are petroleum-like in composition. Methane is known to be produced by bacterial action an organic material under environmental conditions similar to those in which petroleum is found.

Actual liberation of oil from oil bearing materials is known to be assisted by bacterial action in the following ways:

- a) Actual destruction of the organic matrix by bacterial action.
- b) The dissolving of sulfate or carbonate rocks to which oil is adsorbed.
- c) Production of carbon dioxide by the bacteria reduces the viscosity of oil and may promote its movement.
- d) Certain bacteria may actually crowd oil off of surfaces on which they are growing.

Each of the above processes has been demonstrated in the laboratory and they probably have contributed significantly to the migration and accumulation of oil.

In conclusion Dr. Zobell stressed that while he is certain bacteria play an important role in the formation, migration, and accumulation of oil other factors such as contact catalysts, pressure, and base exchange also probably contribute significantly to the process.

L. A. LUNCHEON

To resume the regular luncheon meetings after a skip during the vacation month of August, some 72 geologists and guests gathered at Rodger Young's Auditorium Thursday Sept. 7th.

President Bill Pemberton announced that the New Mexico Geological Society plans to hold a three day field conference November 3, 4, and 5, in the San Juan Basin of Northwestern New Mexico and that all interested members of the Pacific Section are invited to attend.

Mr. John L. Kerr of Kerr & Co., Engineers, spoke on Oil Investments for the Practical Oil Man. Separating investment into three categories Mr. Kerr mentioned a) speculation buying in which an investor attempts to buy low and sell high; b) permanent ownership of securities in diversified industries; and c) permanent ownership of securities in growth industries alone (such as oil).

Discussion of the second type of investment revealed that Mr. Kerr advocates a modified form of this type only for large estates. The modification being that re-evaluation is necessary periodically and while the industry diversifica-

tion is kept, changes of companies or corporations within that industry are made as the periodic re-evaluations dictate. This policy has the disadvantage of necessarily including in the portfolio decadent industry securities which while making for stability, fail to yield a rate of return which can favorably compare with growth industry securities.

In regard to the third type of investment, i.e., that of permanent ownership of growth industry securities with changes within the industry when necessary, Mr. Kerr uses this principle primarily in his investment counsel to smaller estates. He firmly believes that a "man does best what he knows best" and so for the oil man, investment in oil stocks is the thing to do. He emphasized that the purchase of oil securities should perhaps be divided with 2/3 of the money being used to purchase common stocks of the major, integrated oil companies, and 1/3 being available as risk capital to purchase stocks of current speculative interest to the investor.

A serious consideration should be given to the percentage of North American production in relation to total production of the major company "blue chip" stock purchased, and a common yardstick for evaluation is that the stock should sell for approximately 10 times its annual earnings per share.

A most important thought is that when oil stocks are purchased the investor should consider that he is buying reserves and thus his future return is directly tied to the future price of oil. As this in turn is a function of the ups and downs of the national economy, an investor is assured of a roughly equivalent position in buying power from his return regardless of how the actual return may fluctuate.

Mr. Kerr advises against the practical oil man attempting to evaluate the Dow Jones averages, or using other financial advice of this nature. A consideration of the reserves, stock issued, and past management policy, in the light of the ever expanding oil industry, should be primary guides for sound purchases of oil stocks.

Great interest in Mr. Kerr's talk was evidenced by the numerous questions and long period of discussion which followed.

COASTAL SOCIETY DOINGS

The Coast Geological Society held its second annual dinner-dance at Santa Barbara's Mar Monte Hotel on September 15. The twenty six couples present enjoyed the rare privilege of ample elbow room on the dance floor. Two celebrants appeared, at various times, to be looking for termites in the floor (why else look at it from a distance of three inches?), but no other untoward incidents marred the happy scene. A hasty public opinion survey indicated a Soviet-type vote (100%, that is) in favor of a third annual dance.

Seventy-odd geologists, engineers, scouts, and superintendents lined up for the chance at one of Hank Neel's steaks on September 12th. The place was the Shell Clubhouse at Ventura and the occasion was the yearly barbecue. By an odd coincidence, a number of L.A.-based geologists found business to attend to, that very afternoon in Ventura. When beer, steaks, salad and beans were disposed of, the clubhouse blossomed mysteriously forth with a cluster of five and seven-card bridge games.

1951 PACIFIC SECTION DUES

1951 Pacific Section dues are payable at the Annual Fall Meeting to be held in Los Angeles on October 19 and 20, 1950. With a total of 630 members the cost of running the affairs of the Pacific Section is now higher than ever before. Those members not planning to attend the Fall Meeting can pay their 1951 dues by mail. Checks should be made out to the Pacific Section, A.A.P.G., and mailed to Milton W. Lewis, Room 904, 714 W. Olympic Blvd., Los Angeles 15, Calif. Dues are \$2.00.

BIBLIOGRAPHY OF RECENT PUBLICATIONS

****Pacific Coast Geology**
***Other Articles of Special Interest**

SCIENTIFIC PUBLICATIONS - JOURNALS & BULLETINS

***"Applied Sedimentation - A Symposium"** by
Parker D. Trask. Published by John Wiley &
Sons Inc. 707 pp. Price \$5.00

Bull. G.S.A., July, 1950

"Tectonic Scarps and Fault Valleys" by C. A.
Cotter, pp. 717-758.

*Scientific American, Sept., 1950

"Geology" by Reginald A. Daly, pp. 36-39.

TRADE JOURNALS & MISCELLANEOUS MAGAZINES

Petroleum Engineer, Sept. 1950

****"Ventura Avenue -Wonder Field"** by Richard
Sneddon, pp. A43-58.

Oil and Gas Journal, Sept. 7, 1950

"Electric Correlation Drilling in the Rocky
Mountains" by N. C. Surber and E. R. Sims
Jr., pp. 86-94.

Oil and Gas Journal, Sept. 11, 1950

"New Method for Measuring Seismic Velocities"
by Neal J. Smith and A. P. Claudet,
pp. 92-99.

Tomorrow's Tools - Today. Lane-Wells.

Third Quarter - 1950.

***"Use of Shaped-Charge Process for Open-Hole
Shooting"** by John T. Gardiner, pp. 4-8.

World Oil, Sept. 1950

"Primary Seismic Evidence of Limestone Reefs"
by Fred J. Agnich and William P. Harvey,
pp. 83-86.

"Important Plays in West Texas-New Mexico",
pp. 88-100.

NATIONAL AAPG OFFICE CANDIDATES ANNOUNCED

The September issue of the Bulletin of the American Association of Petroleum Geologists contains the report of the Nominating Committee which presents their recommendations for the slate of candidates for the elective offices of the Association. Of especial interest to Pacific Section members is the Presidential race, which finds Frank A. Morgan of the Richfield Oil Corporation pitted against Edward A. Koester, a consulting geologist from Wichita, Kansas.

For Vice-President, the Committee has recommended John T. Rouse, Magnolia Petroleum Company, Dallas, Texas, and L. G. Weeks of the Standard Oil Company of New Jersey, New York.

The nominees for Secretary-Treasurer are Robert H. Dott, Oklahoma Geological Survey, Norman, Oklahoma and George C. Crow, Jr., Peoples Natural Gas Company, Pittsburgh, Pennsylvania. Kenneth K. Landes of the University of Michigan has been nominated for Editor of the Bulletin.

It has long been tradition in the Association that the National Convention is ordinarily held in the home city of the retiring National President, and thus a victory for our Pacific Section candidate might well result in a National Convention in Los Angeles in 1952.

CALENDAR

Oct. 3, 1950; Tues. 7:00 p.m. AAPG Coastal Geological Society, Dinner Meeting, Barbara Hotel, Santa Barbara. Stanolind's colored movie, "Limestone Pore Space", L. A. Rickel, "Los Padres National Forest from Standpoint of Oil Development", and C. M. Cross, "General Geology and Developments, Santa Cruz Area".

Oct. 5, 1950; Thurs. 7:00 p.m. CNGA Dinner Meeting Rio Hondo Country Club, Downey. Mr. Patterson of G.E., "Internal Combustion Centrifugal Engines".

Oct. 10, 1950; Tues. 7:00 p.m. AAPG San Joaquin Valley Geological Society Dinner Meeting, El Tejon, Bakersfield. Bill Pemberton will have some pertinent comments to make.

Oct. 12-13, 1950; AIME Annual Fall Meeting, Elks Club, Los Angeles.

Oct. 17, 1950; Tues. 8:00 p.m. API San Joaquin Valley Chapter, Bakersfield Inn.

Oct. 19-20, 1950; AAPG-SEPM-SEG Annual Fall Meeting, Ambassador, Los Angeles.

Oct. 23, 1950; Mon. 7:00 p.m. AIME Petroleum Technology Group, General Petroleum Auditorium. John Sherborne, "Injection Pressures, Limitations, and Effect on Recovery". Seventh in Series.

Nov. 2, 1950; Thurs. 6:30 p.m. Branner Club Dinner Meeting, Cal Tech Athenaeum. Speaker to be announced.

PACIFIC PETROLEUM GEOLOGIST
PACIFIC SECTION, A.A.P.G.
ROOM 932
714 WEST OLYMPIC BLVD.
LOS ANGELES, 15, CALIFORNIA.
RETURN POSTAGE GUARANTEED

Vol. 4, No. 10

Mr. Fred R. Neuman
381 E. 4th St.
Chico
California



PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 4

December, 1950

Number 12

ASSOCIATION ACTIVITIES

S.E.P.M. MEETING

The first SEPM fall meeting was held at the Edison Building Auditorium in Los Angeles, November 17. Stan Beck, consulting paleontologist at Bakersfield, gave a very interesting talk on "Tertiary Correlations of the San Joaquin Valley and Adjacent Areas." A summary of Mr. Beck's paper was presented in the last P.P.G. issue. Copies of the correlation chart presented at the meeting may be obtained from E. M. Price & Co., 1620 G Street, Bakersfield, for reproduction cost.

Mr. Beck's controversial subject occasioned lengthy discussion and comment by the local paleontologists.

JOINT AAPG-AIME MEETING

Members of the AAPG Pacific Section and AIME Mining Branch held a joint meeting at the General Petroleum Auditorium November 20 to hear a paper on the Gulf Coast sulphur industry by Mr. A. G. Wolf of the Texas Gulf Sulphur Company.

Mr. Wolf pointed out that the Frasch or "Hot Water" method is used to produce 95% of the elemental sulphur in the United States and 85% of all sulphur used in industry in any form. He further indicated that in the Gulf Coast area only twelve of the 125 plus known salt domes produce sulphur. At present five of the twelve are exhausted.

The sulphur mineralization occurs in veinlets, vugs and fractures in the lime or carbonate portion of the "cap rock." The areal extent of the sulphur may be quite irregular; sometimes it occurs as a halo or as an irregular shape down one flank of the salt dome.

Source of the sulphur is not known with certainty, but the petroleum source beds associated with most salt domes appear to be a convenient fundamental source of the hydrogen sulphide that seems to be required in the process of sulphur formation. This gas probably is formed by various reactions in the beds, including those of sulphate-reducing bacteria. Mr. Wolf added that there is no final agreement as to the origin of the sulphur; in fact there is no agreement concerning the origin of the cap rock of salt domes.

Associated with the production of sulphur is irregular surface subsidence, which locally amounts to as much as 125 feet.

Some very interesting sidelights and items of supplementary information were supplied by Mr. Wolf in answer to numerous questions raised by members of the audience. In reply to a question concerning the number of acres to the average sulphur well, the speaker pointed out that by the time a given area has been worked the wells are usually less than 100 feet apart. Production per well varies considerably but an average, including failures, amounts to 3,000 to 4,000 tons. From the best salt domes, the production may amount to as much as 10,000 tons per well.

To the question, "Why subsidence in the sulphur fields?" Mr. Wolf answered that it seems to be governed, directly or indirectly, by the removal of sulphur, but that some of the effect may be due to loss of cap rock material down structure in the more permeable domes.

In answering the question concerning the amount of recovery from a given area, the speaker came up with the arresting figure of 95% recovery. This was qualified somewhat when he pointed out that original estimates of sulphur in the ground, made chiefly on the basis of cores, were consistently on the conservative side due to cutting losses or poor recovery. Nevertheless, it is apparent that a most impressive portion of the sulphur in the ground is produced.

DISTINGUISHED LECTURER

L. G. Weeks, Standard Oil Co. of New Jersey, discussed "Sedimentary Basin Development and Its Bearing on Oil Occurrence" at Los Angeles and Bakersfield. Dr. Weeks' thought-provoking subject was of great interest to the Pacific Section. A record turnout of 135 attended the luncheon meeting at Rodger Young Auditorium and 122 attended the dinner meeting at Maison Jausaud.

The speaker first noted that the incidence of oil occurrence is intimately related to two groups of basic factors. The first of these concerns the genetic type, manner of growth, and the architecture (that is, the physical framework and the bottom form or configuration) of the basin at the time of deposition. The second concerns the conditions within the basin and on the basin bottom during and immediately following deposition. The second of these groups of factors is closely related and largely dependent on the first.

For the foregoing reasons, the talk was divided into two parts. In the first part, the speaker examined those broad features of the earth's crustal framework which basically determine the genesis, history, and resulting type of basin. Against this background, he proceeded to describe and illustrate the manner of evolution of the types of basin that evolve in the different parts of that fundamental framework. He then set up a simple classification, which included essentially all types of basins.

In the second part, the speaker described and illustrated the basic conditions of architecture, sedimentation, and environment within the basin itself that control the incidence of oil occurrence. Specifically, he pointed out the fundamental differences in the types of environment with the resulting facies and the conditions which either strongly favor or largely preclude the occurrence of oil. In this connection, Dr. Weeks stated that carbonate rocks have been estimated to produce 55% of the world's oil, although making up only 15% to 18% of the total volume of sediments.

Interest in Dr. Weeks' subject was evidenced by the unusually large turnout and the "after the meeting" discussions.

NEW PRESIDENT ANNOUNCES APPOINTMENTS

Newly elected Pacific Section President Frank Carter has announced his appointments of the men who will assist him during 1951.

Fred Vandenberg, Kern Oil Company, will be chairman of the Geological Forum Committee. This very important post has been filled during 1950 by Bob Anderson of the Signal Oil and Gas Company.

Leo Newfarmer, Shell Oil Company, has been appointed Distinguished Lecturer Representative and will replace Harold Sullwold in this capacity.

**EXECUTIVE COMMITTEE, PACIFIC SECTION
AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS**

Frank B. Carter	President
Frank S. Parker	Vice-President
Jack W. Knight	Secretary-Treasurer
J. R. Pemberton	Past-President
Mason L. Hill	San Joaquin Representative

PACIFIC PETROLEUM GEOLOGIST

Published monthly by the Pacific Section, American Association of Petroleum Geologists. Address communications to the: Pacific Petroleum Geologist, Room 430, 555 South Flower Street, Los Angeles 17.

Editor: Sam Stewart
Assistant Editors: Fred Vandenberg
Ted Bear

Department Editors:

Activities:	J. Douglas Traxler
Personal Items:	Irvin Frazier
Selected Bibliography:	Dan Flynn
Calendar:	Richard E. Faggioli
Cartoonist:	Harold Sullwold
San Joaquin Representative:	Robert B. Kelley
San Francisco Representative:	Willard Classen
Coast Representative:	Louis Taylor
Salinas Representative:	James O'Flynn

Next Deadline December 18, 1950

Mason L. Hill, Richfield Oil Corporation, is to be the San Joaquin Valley Representative and thus takes over from Jack Isberg of the Superior Oil Company.

Frank Parker, the newly elected Pacific Section vice-president, will take charge as Program Chairman for the Monthly Luncheons, supplanting the retiring vice president, Art Huey.

Joseph Hathaway, Pacific Western Oil Company, takes over as Publicity Chairman, relieving Don Davis of Union Oil Company.

Sam Stewart, Richfield Oil Corporation, takes over as editor of the Pacific Petroleum Geologist, replacing John Loufbourow of Sunray. The names of the new staff contributors may be seen at the top of this page.

**TWO PACIFIC SECTION MEMBERS NOMINATED
FOR NATIONAL S. E. G. OFFICE**

Candidates for its 1951-52 executive committee have been announced by the Society of Exploration Geophysicists. Nominees for officers of the society, which now lists more than 2,200 geophysicists from all over the world in its membership, were published today in the October issue of Geophysics, the society's journal. The nominees for president are: Sigmund Hammer of the Gulf Research and Development Company, Pittsburg, Pennsylvania; and Sidon Harris of Southern Geophysical Company, Fort Worth, Texas. Nominees for vice-president are: Curtis H. Johnson of General Petroleum Corporation, Los Angeles, California; and William W. Newton of The Geotechnical Corporation, Dallas, Texas. Candidates for secretary-treasurer are: E. D. Alcock of National Geophysical Company, Dallas, Texas; and Robert C. Dunlap, Jr., of Geophysical Service, Inc., Bakersfield, California. Nominees for editor for 1951 to 1953 are Milton W. Dobrin of Magnolia Petroleum Company, Dallas, Texas; and Paul L. Lyons of The Carter Oil Company, Tulsa, Oklahoma. George E. Wagoner, president of the society, stated that a mail ballot taken after the first of the year will decide the election. Candidates elected will take office at the national convention of the society to be held next April.

The Pacific Coast Section is strongly urging the support of its two candidates, Curt Johnson and Bob Dunlap. These two men have worked hard in the past on S. E. G. matters and deserve the solid support of all Coast Section members. It is also strongly urged that Coast Section members acquaint their friends in the mid-continent with the qualifications of these two men.

**C.C.M.O. DISBANDS
EXPLORATION DEPARTMENT**

The Chancellor, Canfield and Midway Oil Company, a subsidiary of the Santa Fe Railway, has just announced that it is ceasing active participation in oil exploration. Apparently the highly competitive search for oil is no longer attractive to a partially government subsidized and controlled railroad.

The capable group of geologists who have been working for C.C.M.O., John Kilkenny, Darrell Kirkpatrick, John Fackler, Harry Feder, and Tilden Fryer, are now available for oil-finding under a more aggressive management.

PERSONAL ITEMS

Dick Ballantyne, last year's genial editor of these personal items, himself, has provided an appropriate first item for his successor. Dick passed cigars on November 2, to celebrate the arrival of Debra Gail, a second daughter, weighing 8 lb. 1 oz. Dick also has a son.

John Fackler, jovial CCMO geologist, is now known as a well-equipped field man. Recently he was seen herding two cars, a sedan and a jeep, into the field at one time. Do you suppose he carries a Brunton in each hand?

Ed Wolf of Superior has been transferred to Amarillo, Texas.

ANDY CLINE *by sullwold*



**"DO YOU STEEL WEESH YOU WERE
BACK IN BAKERSFIELD, ANDEE?"**

Chairman Earl Dillon of the Northern California Section announces the addition of Nancy Louise to his household, born November 2, weighing 4 lb. 2 oz. Earl, a loyal Californian, reluctantly admits that his daughter was born in the Stanford Hospital.

Continental's core party at the Bianchi well November 6, San Mateo County, must have been a big success. Among those present were: Bill Kew, Al Solari and Alex Tarbet from Standard, Charlie Cross from Honolulu, Tom Baldwin from Jergins, Tom Dibblee and Jim O'Flynn from Richfield. Joe Graham of Stanford is said to have carted off by truck all loose objects, including sample sacks.

Dick Haines of Continental Oil at Ventura is now in charge of exploration activities there. Frank Minshall has been transferred to Ventura by Continental to handle exploitation problems. Frank hopes to move his family there as soon as he can find a house.

Roger Dungan of Continental is starting a vacation, following his return to Ventura after sitting on the Bianchi #1 well since August.

Bill Merrill of Standard has moved to his new office at 555 El Roblar, Ojai. The building housing his former office was sold.

E. R. (Bob) Orwig of General Petroleum has been transferred to Bakersfield where he will be working with Bill Lewis, District Geologist.

Bob Porterfield's many local friends will be pleased to learn that he has just become vice-president and manager of exploration for Gulf Oil Corporation, with headquarters at Tulsa. Bob, a Stanford graduate, formerly was president of Devonian Oil Company.

Our Santa Paula operative reports Tex Leverett of Union Oil Company is now an accomplished square dancer. Tex is most in character when "diving for the oyster."

Al Gregersen recently rated two columns in a syndicated news dispatch from Copenhagen by Reuters. As vice-president of the Danish-American Prospecting Company, a subsidiary of Gulf Oil Corp., Al explained that his firm had spent \$6,500,000 in Denmark since 1938. He expects to drill 6 or 7 new wells in the next year. With a field personnel of 110, he has covered all of Denmark with a geophysical grid, readings less than a mile apart. Some potash and much salt have been located, one salt dome measuring 7 miles across.

Tilden Fryer has left Bakersfield for a few weeks' stay in New Mexico.

Daniel Pickrell, secretary for the Northern California Section, is the proud father of a baby daughter.

Bob Paschall of Amerada warns all companies planning wildcat wells in Ventura County to give the Ventura County Planning Commission 30 days' prior notice.

Frank A. Morgan recently was honored by Richfield in renaming its "Sparrows Point" tanker the "S.S. Frank A. Morgan." Now the Richfield geological staff at Ventura has claimed the name "Admiral Clifton W." for a rowboat in drydock there, awaiting the proper launching ceremonies.

Most of the Stanford faculty in the School of Mineral Sciences attended the G.S.A. meeting in Washington, D. C.

Dick Thorup, eminent Salinas Valley authority, recently developed a curiosity as to how a high-speed revolving tool worked, and put out an inquiring finger. Result: a neatly shaved digit that caused some embarrassment and some pain. Is there a moral here?

Hospitality of the San Francisco geologists in welcoming visitors to their regular Monday luncheon at Delmonico's is becoming widely advertised. Recent visitors there included Bill Thomas and Michael Silbergh of Shell, Don Davis and Mike Rector of Union Oil, and Gladys Peyser of Texas Company. Recently W. S. Tangier Smith, author of "Some Graphic Methods for the Solution of Geologic Problems," visited this same group, having first seated himself by mistake at the next table with a group of insurance people. The latter proved just as cordial in welcoming him, introducing him to all present.

Stan Beck brought down the house at the last San Joaquin Valley Geological Society dinner meeting when he introduced Dr. Weeks as the "former president of the Standard Oil Co. of Bolivia."

Ralph Arnold, now engaged in writing his "Story of California Oil," would appreciate hearing from anyone knowing of an oil field in California that was discovered through the drilling of a water well. His address is 1205 Wilson Ave., San Marino.

Don Davis, Union Oil, held open house on November 17 at his new office, 2711 Riverside Blvd., Sacramento. Don is now spending a few days on vacation in Los Angeles.

Correction: Ralph Newton of Standard, reported last month as transferred to Paso Robles, was in fact a visitor there. Ralph is still to be found in the Rio Vista area during working hours.

Fred Nicolai's many friends will be glad to know he is making good progress in the Santa Cruz Hospital. Visiting hours are 2 to 4, and Nick will enjoy a visit from any geologists passing through.

H. Allen (Pat) Kelley has our sincere sympathy in the loss of his father, who passed away suddenly on November 9. He had retired 5 years ago as vice-president of Bank of America, after 45 years' of banking service.

Does Bill Craig of Sunray have some very personal news ready for publication?

Ray Berryman will leave Bakersfield the first part of December for Lafayette, Louisiana, where he is being transferred as District Geologist. Richard Shoemaker will succeed Ray in Ohio's Bakersfield office.

Nat Charnley has returned to Los Angeles after a summer on Amerada's well in northeastern Arizona.

Bob Galeski of Honolulu has moved his wife and basketball team into their new home in Westchester. Some of his near neighbors are Vic Church, Louis Regan, Burt Ellison, Ev Pease, and Johnny Wiese.

The geological pick found after the core party at the So. Cal. Pet. - Shlaudeman No. 81-10, will be put back into use unless claimed. It is now in Continental's Bakersfield office.

Al Vitt was a recent visitor in Los Angeles and Bakersfield during the A.P.I. convention. His timing was such that he was able to enjoy the flood of hospitality in the Biltmore and the flood period in Bakersfield.

Howard C. Pyle, former head of the Continental Consolidated Corporation, recently announced the opening of offices for the consulting practice of petroleum engineering and geology at 918 Pacific Finance Building, 621 South Hope St., Los Angeles.

Earl Noble's many friends in California were surprised to learn that he left the Union Oil Co. on November 15, after 27 years' of service. He is now associated with the National City Bank of New York as a technical consultant on problems of petroleum development, production and financing. His position as general manager for Union Oil in Canada is now held by Walt Heathman, another transplanted Californian.

"Sully" Sullwold, whose cartoons grace the pages of the Pacific Petroleum Geologist, is definitely a believer in the family plan. Only three days after his wife was hospitalized for an emergency appendectomy Sully followed suit - same doctor, same hospital, same affliction! The only question - will there be a discount?

DON'T DELAY - VOTE TODAY

With Morgan as our battler,
we'll see you in the Statler!

CALENDAR

Dec. 4, 1950; Mon. 7:00 p.m., API, San Joaquin Valley Chapter, Petroleum Engineering Seminar, Kern County Union High School, Bakersfield: J. E. Wahlstrom, "Electric Logging."

Dec. 5, 1950; Tues. 7:00 p.m., AAPG, Coastal Geological Society, Dinner Meeting, Barbara Hotel, Santa Barbara: Gordon Bell, "General Geology and Development of the Huasna Area, San Luis Obispo County, California;" Fred Peterson, "Map Reproduction."

Dec. 7, 1950; Thurs. 12:00 noon, AAPG, Luncheon, Roger Young Auditorium, Los Angeles: Roger Revelle, "Highlights of the Mid-Pacific Expedition of Scripps Institute and Navy Electronics Laboratory."

Dec. 7, 1950; Thurs. 6:30 p.m., CNGA, Dinner Meeting, Rio Hondo Country Club, Downey: Dr. Robert Austin, "The Titirilog and Its Application to the Measurement of Sulphur in Natural Gas Streams."

Dec. 12, 1950; Tues. 7:00 p.m., AAPG, San Joaquin Valley Geological Society, Dinner Meeting, Hotel El Tejon, Bakersfield: Speaker to be announced.

Dec. 18, 1950; Mon. 7:00 p.m., AAPG, Forum, Edison Building, 601 West 5th, Los Angeles: Harry Feder, "Report on First Field Conference of New Mexico Geological Society, Nov. 3-5, 1950;" Milton E. Loy, "Micrologging and Its Application in California."

Dec. 18, 1950; Mon. 7:00 p.m., API, San Joaquin Valley Chapter, Petroleum Engineering Seminar, K.C.U.H.S., Bakersfield: M. E. Standing, "Reservoir Fluids, Part I."

BIBLIOGRAPHY OF RECENT PUBLICATIONS

SCIENTIFIC PUBLICATIONS - JOURNALS & BULLETINS

Bull. G. S. A., October, 1950

"Submarine geology of Bikini Lagoon as indicated by dispersion of Water-borne explosion waves," by Milton B. Dobrin. pp. 1091.

TRADE JOURNALS & MISCELLANEOUS MAGAZINES

Oil & Gas Journal, November 9, 1950

"Wyoming Correlations - Penetration Chart for Powder River Basin," compiled by a Nomenclature Committee of the Wyoming Geol. Assoc. pp. 178.

Oil & Gas Journal, October 26, 1950

"Wyoming Correlations - Penetration Chart for Rawlins Uplift, Great Divide, & Washakie Basins," compiled by a Nomenclature Committee of the Wyoming Geol. Assoc. pp. 105.

World Oil, November, 1950

"'Strat Trap' Search Need shown by Wyoming Basin," by Henry Carter Rea. pp. 75.

VOTE

The ballots now buried beneath the rubble on your desk should be mailed to the ballot committee as soon as possible. If the Pacific Section nominee is elected, the 1952 National Convention will probably be held in California.

PACIFIC PETROLEUM GEOLOGIST
PACIFIC SECTION, A.A.P.G.
ROOM 430
555 SOUTH FLOWER STREET
LOS ANGELES, 17, CALIFORNIA.
RETURN POSTAGE GUARANTEED

Vol. 4, No. 12



Mr. Fred R. Neuman
381 E. 4th St.
Chico
California