

PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 2

January 1948

Number 1

ASSOCIATION ACTIVITIES

The next meeting of the Geological Forum will be on January 19th at Occidental College in the Women's Lounge of the Student Union Building at 7:30 p.m. Mason Hill and Paul Dudley of the Richfield Oil Company will illustrate in color their paper entitled "General Features of Australia". The second paper, entitled "Activities of the Geological Society of America" will be given by its president, Professor James Gilluly of U.C.L.A. Tom Rothwell will preside as chairman.

For those who may be driving from Los Angeles to attend the meeting, it has been suggested that the shortest route is to go to the intersection of Eagle Rock, York and Alumni, and follow the latter to Campus Road; the address is 1600.

At the last Geological Forum meeting, Dr. James Noble gave an interesting talk on the Homestake Mine of South Dakota which has been the largest gold producer of any single property in North America. The total production, valued at approximately \$400,000,000, was derived from the Homestake formation. It is rather remarkable that the gold ore within the Homestake property has been almost entirely confined to this formation although another Pre-Cambrian formation called the Poorman is almost identical chemically. Mining has been carried on to the depth of one mile. Although the property has yielded so much gold, it is quite rare to see any in the ore. The shrinkage resulting from the cooling of the metamorphosed formations after the intrusion of the stock resulted in a series of concentric fractures around the periphery of the latter which has had a bearing on the mineralization. The audience also very much enjoyed the observation of the Geology of Sicily by Dr. Bode which was illustrated by Kodachrome slides. Tertiary sediments capable of generating petroleum as well as actual oil seeps were found. The Italian geologists at one time supported their belief in the possible inorganic origin of oil by calling attention to the occurrence of petroleum in the vesicular lava on the island. Dr. Bode's account of being piloted in this reconnaissance survey by a former racing driver was amusing. The latter drove at such a high speed that it was necessary to take the inside of the curve on winding mountain roads. He compromised with on-coming cars by suddenly veering on two wheels to his proper side of the road which was frequently bordered by a precipice, but he was not concerned with soft impediments that he could run over, such as pedestrians or their livestock. The former would dive for the road side but the livestock was sometimes less quick witted, so that some of Dr. Bode's observations on the geology were made through a cloud of chicken feathers.

At the December meeting of the Pacific Section of the American Association of Petroleum Geologists, Professor Raymond C. Moore of the University of Kansas delivered a paper entitled "Problems of Sedimentary Facies". His comprehensive treatment, excellent delivery and splendid command of English combined to make it one of the most enjoyable and instructive programs that it has been the pleasure of this section to hear for a long time. A geologist may

frequently prepare an excellent paper but deliver it in an indifferent manner causing the audience to lose some of the excellent data that has been amassed. So it is a benefit to hear a distinguished lecturer like Dr. Moore; not only for the geological information but as a standard to be attained by those who address our meetings.

At the request of the National A.A.P.G. Research Committee, a committee for the Pacific Section has been organized under the chairmanship of Stanley C. Herold. Its purpose is to assist the national committee with respect to geological problems pertaining to this section. The active committee which will assume responsibility for action taken consists of: Francis D. Bode, Frank B. Carter, Herschel L. Driver, John C. Hazzard, Manley L. Natland, Russell R. Simonson, Dewitt E. Taylor. In addition an advisory committee will help in the work to be done. This committee consists of: E. R. Atwill, Thomas L. Bailey, Roy M. Barnes, Robert W. Clark, William H. Corey, James R. Dorrance, G. C. Gester, Paul P. Goudkoff, Harold W. Hoots, Arthur S. Huey, Loyde H. Metzner, Graham B. Moody, Robert T. White, William P. Winham, Stanley G. Wissler.

Full cooperation with the national committee is planned. The first meeting will be scheduled for January after the holiday season. The committee will be pleased to receive suggestions for research problems from the members at large.

The San Joaquin Geological Society held its last meeting for the calendar year on December 9th. The following new officers were elected: Eugene H. Vallet, The Ohio Oil Company, Chairman; John H. Beach, Independent Exploration Company, Vice-chairman; Robert L. Rist, Standard Oil Company, Secretary-Treasurer. The outgoing officers were: Arthur Huey, Shell Oil Company, Chairman; Herbert McMasters, Honolulu Oil Corporation, Vice-Chairman; J. Q. Anderson, Barnsdall Oil Corporation, Secretary-Treasurer. The speaker for the meeting was Dr. Raymond C. Moore, University of Kansas, who repeated his talk on geological facies. Approximately 100 members and guests attended.

Homer Steiny has reserved a Pullman for members from Southern California who plan to attend the National A.A.P.G. - S.E.P.M. - S.E.G. Meeting which will take place in Denver between April 26th and 29th. The date and time of departure have not yet been determined but it will go by Union Pacific to Salt Lake City and thence by Western Pacific through the Royal Gorge to Pueblo and then to Denver. For those who may be driving it has been found that the route through Phoenix and Albuquerque will be kept open even though adverse weather conditions may close some of the other routes to automobile travel.

The next meeting of the Pacific Coast Section of the Paleontological Society will be held in April, 1948, at the California Institute of Technology, Pasadena, California, in conjunction with the meeting of the Cordilleran Section of the Geological Society of America. A symposium will be held on the general subject of "Miocene-Pliocene boundary on the Pacific Coast, from the viewpoint of the Vertebrate, Microfossil, and Megafossil workers, together with the field relationships." The remainder of the meeting will be devoted to other subjects. Anyone interested please contact Herdis Bentson (secretary), 225 Bush Street, San Francisco, California, or J. Wyatt Durham (chairman), Department of Paleontology, University of California, Berkeley 4, California.

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PACIFIC PETROLEUM GEOLOGIST

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Next Deadline February 2, 1948.

For out-of-town correspondents, January 31, 1948.

The monthly luncheon meeting of the Pacific Section of the American Association of Petroleum Geologists was held at the Clark Hotel in Los Angeles at noon January 8, 1948.

Earl Noble, Manager of Foreign Exploration for Union Oil Company spoke on "Oil Exploration in Northern Alaska". A brief history of drilling in Alaska was followed by more detailed discussion of exploration now being carried on by the Navy on the Naval Reserve north of the Brooks Range. The difficulties of living, working and travelling in that country near the Arctic circle were very entertainingly illustrated by personal experiences. A number of beautiful and interesting color photographs were shown on the screen.

GEOLOGICAL FORUM

Monday, January 19, 1948, 7:30 p. m. sharp.
Women's Lounge, Student Union Building, Occidental College,
1600 Campus Road, Eagle Rock

Geology and General Features of Australia,
illustrated in color

Joint paper by Mason L. Hill (Geology) and
Paul H. Dudley (General Features), Richfield Oil Corp.

Geologic Society of America Activities
Professor James Gilluly, U. C. L. A., President G. S. A.

Tom Rothwell, Chairman this Meeting.

LICENSING OF ENGINEERS

Copies of the California Department of Professional and Vocational Standards regulations entitled "The Civil Engineers Act and Administrative Rules" under date of September 19, 1947 have recently been mailed to many of the oil company offices. While the Act apparently pertains primarily to civil and structural engineers in order to safeguard construction work, Article 8 of the act includes registration of Professional Engineers in the branches of Chemical, Electrical, Mechanical and Petroleum Engineering. Although geologists as such are not mentioned, many local geologists are considering the implications contained in the Act because of the restriction of the use of the title "Professional Engineer", especially in connection with documents which may receive public attention. The only oil man on the California Board of Registration for Civil and Professional Engineers is W. H. Geis, formerly with the Union Oil Co., and well known in the industry.

Application blanks for registration accompanied the Regulations. The fee is twenty-five dollars for application and certificate. Applications may be addressed to the State Board of Registration for Civil and Professional Engineers, 1020 N St., Sacramento 14, California. Those making application should bear in mind that a photograph must be attached or the application will be returned.

PERSONAL ITEMS

R. L. Hewett is back on the job with Tide Water Associated in Bakersfield after an operation in Los Angeles.

Paul Sieman has been transferred from the Rocky Mountain area to the Tide Water Associated office in Bakersfield.

Bill Cortwright is now in charge of the Tide Water Associated office in Bakersfield.

Everett T. Reed has joined the paleontological staff of the Standard Oil Co. at Taft.

Bob Herron, C.C.M.O., returned to Bakersfield after a period of field work in the Rocky Mountain district.

Dave Moore, Superior Oil Co., moved from Fresno to Bakersfield where he bought a house.

Frank Hornkohl will be moving into his new building at 1716 Truxtun Avenue, Bakersfield, in about two weeks. In this modern chemical laboratory he will be equipped to handle various phases of oil production testing.

Howard C. Pyle, formerly in charge of oil accounts at the Bank of America, is now president of the newly formed Continental Consolidated Corporation.

Laura Phillips of the Standard Oil Company has been transferred from the Taft office to Los Angeles.

CALENDAR

Robert Paschnall, formerly with C.C.M.O. and recently on the teaching staff at Oregon State, is now with Amerada Petroleum at Ventura.

E. F. Davis of the Shell Oil Company has retired after thirty years as Vice-President in charge of geology in the North American division.

Pat Kelly has resigned from the Richfield Oil Company to do consulting work in California and Wyoming.

S. G. Creasey and family of Arizona were recent visitors in Los Angeles. Creasey is with the U.S.G.S.

James Gilluly and Norman Bramlette attended the G.S.A. meeting at Ottawa, Canada.

Bob Clark is convalescing at home after a serious operation. Reports are that he is progressing nicely and will be back on the job with Western Gulf in due time.

Tony Morris of General Petroleum announced his engagement to Maria Miller.

Jack Elam of Richfield is the proud father of a second girl, Sally Melissa.

Sam Stewart of Richfield Oil Co. is now mowing lawns at his new home in San Gabriel.

Frank Bell, in charge of the Sacramento office for the last few years, has been transferred to Bakersfield as Division Chief Geologist for the San Joaquin Valley for Shell Oil Co.

Martin Van Couvering is combining pleasure with business by attending the convention of the Geological Society of America in Ottawa, Canada, spending Christmas in Chicago with relatives and friends, and finally getting down to business in New York.

Stanley Siegfus, of Pacific Western Oil Co., is teamed with the club champion in the Calcutta golf tournament at Oakmont Country Club. It is not known whether this is the result of good playing or good luck.

Harold "Ratz" Rathwell is soon to retire from Continental Oil Company to become a gentleman rancher east of Stockton.

January 8, 1948, Thursday, 12:00 noon, A. A. P. G., Pacific Section, Los Angeles, Luncheon Meeting.

January 12, 1948, Monday, 7:00 p.m., A. P. I., Coastal Chapter, Ventura.

January 13, 1948, Tuesday, 7:00 p.m., A. A. P. G., San Joaquin Geological Society, Hotel Tejon, Bakersfield, Dinner Meeting.

January 15, 1948, Thursday, 7:00 p.m., A. I. M. E., Southern California Section, University Club, Los Angeles, Dinner Meeting.

January 19, 1948, Monday, 7:30 p.m., A. A. P. G., Pacific Section Geological Forum, Occidental College, Los Angeles.

January 20, 1948, Tuesday, 7:45 p.m., A. P. I., San Joaquin Valley Chapter, 11-C meeting Hall, Standard Camp, Taft.

January 20, 1948, Tuesday, 8:00 p.m., A. P. I., Los Angeles Basin Chapter, Shell Recreation Hall, Signal Hill.

January 21, 1948, Wednesday, 7:30 p.m., A. P. I., Coalinga-Kettleman Chapter, Club Polvadero, Coalinga.

January 26, 1948, Monday, 7:00 p.m., A. I. M. E., Petroleum Chapter, Auditorium, Ethyl Corp. Building, Los Angeles.

February 5, 1948, Thursday, 12:00 noon, A. A. P. G., Pacific Section, Los Angeles, Luncheon Meeting.

February 10, 1948, Tuesday, 7:00 p.m., A. A. P. G., San Joaquin Geological Society, Hotel El Tejon, Bakersfield, Dinner Meeting.

February 12, 1948, Thursday, 6:30 p.m., A. I. M. E., Junior Petroleum Group, Rio Hondo Country Club, Downey.

February 16, 1948, Monday, 7:00 p.m., A. A. P. G., Pacific Section Geological Forum, Los Angeles.

February 17, 1948, Tuesday, 7:45 p.m., A. P. I., San Joaquin Valley Chapter, Bakersfield Inn, Bakersfield.

February 23, 1948, Monday, A. I. M. E., Petroleum Chapter, Auditorium, Ethyl Corp. Building, Los Angeles.

THOSE DUES AGAIN.

It will be necessary in the near future to revise the Pacific Section mailing list to conform with the "paid-up" membership record. A great deal of unnecessary paper work and expense can be avoided if those of you who have not paid 1948 dues will TODAY slip \$2.00 into an envelope and mail it to P. H. Gardett, Secretary-Treasurer, 706 Higgins Building, Los Angeles 12, California. Thank you.

BIBLIOGRAPHY OF RECENT PUBLICATIONS

°°Pacific Coast Geology
°Other Articles of Special Interest

SCIENTIFIC PUBLICATIONS - JOURNALS, BULLETINS, ETC.

A.A.P.G. Bull., Vol. 31, No. 12, December, 1947
 "Oil Fields of Greater Oficina Area, Central Anzoategui, Venezuela" By H. D. Hedberg, L. C. Sass, and H. J. Funkhouser, pp. 2089-2169.
 "Oil Fields of West Buchivacoa, Venezuela" By G. W. Halse, pp. 2170-2192.
 "El Mene de Acosta Field, Venezuela" By H. H. Suter, pp. 2193-2206.

Bull. 93, Texas A. & M. College, 1946, pp. 1-171
 ° "Well Logging Methods Conference"
 Discussion of theory and practical use of many kinds of well logging methods, including electrical, geochemical, mud analysis, caliper, mechanical, radioactivity, temperature, etc. by geologists, engineers, and service company representatives.

Bull. 96, Texas A. & M. College, 1945, pp. 1-93
 "Drilling Fluids Conference"
 A general discussion of drilling muds by practising engineers with operators and service companies.

Economic Geology, Vol. XLIII, No. 7, November, 1947
 ° "Report of the Committee on Research on Petroleum of the Society of Economic Geologists" By K. C. Heald, pp. 676-678.

Geological Magazine, Vol. LXXXIV, No. 6, November-December, 1947.

"The Relation of Volcanicity and Orogeny to Climatic Change" By V. E. Fuchs and T. T. Paterson, pp. 321-333.

"A Method of Making Thin Sections from Friable Materials" By J. W. Fowler and J. Shirley, pp. 354-359.

Journal of Paleontology, Vol. 21, No. 5, September, 1947
 "A Continental Tertiary Time Chart" By G. C. Simpson, pp. 480-484.

TRADE JOURNALS AND MISCELLANEOUS MAGAZINES

Oil and Gas Journal, Vol. 46, No. 32, December 13, 1947,
 pp. 82-87.

° "Geological Study of Gulf Coast Continental Shelf"

Oil and Gas Journal, Vol. 46, No. 33, December 20, 1947,

° "Exploration Manpower Needs".

World Oil, Vol. 127, No. 7, November, 1947
 ° "Geochemical Survey Data Forecasts Major Field" By Allen Bronston, pp. 112-116.

World Oil, Vol. 127, No. 8, December, 1947
 ° "Electrical Logging Developments in the U.S.S.R., Part 1. Resistivity of Non-Invaded Formations" By Hubert Guyod, pp. 231-235.

World Petroleum, Vol. 18, No. 13, December, 1947
 °° "Tidelands Produce Eight Per Cent of California Crude"

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PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

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ASSOCIATION ACTIVITIES

The next meeting of the Geological Forum will be on February 16th at the University of California at Westwood in room 314 of the chemistry building at 7:30 p.m. Al Woodward will speak on "The Geology of the Dominguez Field". "Aspects of the Geology of Portugal" is the subject of a paper to be given by Clive Mendelsohn. Captain Wilhelm will exhibit colored motion pictures of the Navy's exploration in the Arctic. Louis Heintz will preside as chairman.

At the January luncheon meeting of the Pacific Section, when Earl Noble gave an account of his recent visit to this region, it was rather surprising to learn how quickly this new frontier for exploration can be reached. Leaving Los Angeles at 6:30 p.m. one arrives in Fairbanks, Alaska the following morning at 7:00. When he said that the "bush" pilots, who comprise a good part of the transportation system within Alaska, are among the best flyers in the world there could be no dispute. During one part of the tour the visibility was so poor that the passengers had to find the plane by the sound of its motors and after getting aboard, flew for 160 miles without seeing the ground.

At the last Geological Forum meeting, after some introductory remarks by Mason Hill, Paul Dudley showed some exceptionally fine colored slides of Australia. Their clarity and brilliance, as compared with the frequently used 35 mm slides, was a good recommendation for the $2\frac{1}{4} \times 2\frac{1}{4}$ color film as a superior means of recording colored geological maps and field relationships.

The recently organized Research Committee of the Pacific Section held its first meeting on January 21st with Chairman Stanley Herold presiding. A report on the history and activities of the National Research Committee was presented by E. R. Atwill. There was general discussion on the A.P.G. attitude, which is adverse to project 6 (ancient sediments) and favorable toward project 5 (recent sediments). The consensus expressed was to the effect that the most urgent problems in California fall within project 6 and not within project 5. Problems suitable for consideration were discussed and it was decided that each member of the Committee should submit three research problems at the next meeting. A questionnaire is to be formulated and sent to faculty members to learn of problems now being undertaken by their graduate students. Agreement was reached to hold meetings on the third Wednesday of each month until circumstances require meetings more or less frequently.

Through the courtesy of the Western Gulf Oil Co. the Committee was given the use of the Company's conference room in the Subway Terminal Building.

The February number of "Engineering and Science", published by California Institute of Technology, was devoted to articles by professors in the geological department. A number of these articles are of interest to petroleum geologists, particularly "Geologic Faulting in Southern California, by Dr. John P. Buwalda.

In order to acquaint California geologists with the provisions of the new law for State licensing of engineers, the editor of Pacific Petroleum Geologist asked Mr. Geis to write the article which follows.

STATE REGISTRATION OF ENGINEERS

W. H. Geis

Most engineers know that there is now a law in California under which they may be registered as "professional engineers" with additional identification in the branches of civil, chemical, electrical, mechanical and petroleum engineering or as an engineer-in-training.

The law is entitled "The Civil Engineers' Act". The last above named five classifications came within the law by amendment of an earlier Act which had been in effect for many years and which originally applied only to civil engineers. The portion of the law relating to civil engineers comprised Chapter 7, Division 3 of the Business and Professions Code containing seven Articles. The 1947 Legislature added Article 8 relating to the registration of engineers in the branches other than civil engineering including the engineer-in-training. This Article became effective September 19, 1947.

The prior Act, amended several times, has stood the test of time and public acceptance, particularly since it was passed to safeguard life, health, property and public welfare. All amendments, and hence the inclusion of the additional engineering branch, were for the same laudable purposes. Consequently the law cannot be construed as partisan legislation for the benefit of a particular class of society, such as engineers in general. Quite the opposite. Although a few engineers in the other branches are not exactly satisfied with the requirements of the law, the civil engineers have lived under it and it is doubted that many would change it.

All persons practicing civil engineering in California must be registered and therefore compliance with the registration provisions of the law is mandatory so far as the Civils are concerned. For many years past, applicants in civil engineering must first pass an examination (usually written and covering four 4-hour periods) and if otherwise qualified the Board, by majority vote, may grant registration. The law as it relates to civil engineering has been rather definitely interpreted from a legal viewpoint and is well understood. Hence the qualifications of applicants are well established. It may have followed from the operation of the law, that the standards of civil engineering have been raised considerably and with attendant benefits to the profession, but such was not the primary purpose.

Since Articles 1 to 7 relating to Civils precedes the newer amendment, Article 8, it may eventually be held that each provision of the Act is dependent upon all the other provisions. If so, the Articles relating to civil engineers, including penalties, may likewise extend (without specific provision to the contrary) to the new groups brought under the Act, namely; the chemical, electrical, mechanical and petroleum engineers. Hence it may be well to have in mind the full effect of Articles 1 to 7. Printed copies of the law have been widely distributed and it is urged that applicants read the law in its entirety, for it cannot fully be explained here.

The inclusion of Article 8 established the title of "Professional Engineer" and also that of "Engineer-in-Training". The latter apparently is an engineer with at least four years of experience but lacking the additional two years required by the law. The professional engineer is a person "engaged in professional practice of rendering service or creative work requiring education, training and experience in engineering sciences, and the application of special knowledge of the mathematical, physical, and engineering sciences in such professional or creative work as consultation, investigation, evaluation, planning or design of public or private utilities, structures, machines, processes, circuits, buildings, equipment or projects and supervision of construction for the purpose of securing compliance with specifications and design for any such works".

Now, "only persons registered--shall be entitled to take and use the title "professional engineer" and according to registration---the titles "civil engineer", "structural engineer", "chemical engineer", "electrical engineer", "mechanical engineer", "petroleum engineer", or "engineer-in-training"---moreover, "it is unlawful for anyone other than a professional engineer registered--- to stamp or seal any plans, specifications, plats, reports or other documents with the seal or stamp of a professional engineer or to in any manner use the title "professional engineer", "civil engineer", "structural engineer", "chemical engineer", "electrical engineer", etc.---unless registered---."

Immediately it may be noted that geologists and mining engineers are not mentioned and neither are numerous other engineers. Also, there seems to be no prohibition on doing engineering work, except civil engineering, if one does not use the designated titles. Hence it is not mandatory that any engineer, exclusive of Civils, register, but unless registered he cannot use in any manner one of the above titles. Thought on this feature may convince a person that the registered engineer may be superior to one who is not registered. This immediately injects implications regarding the quality of those who are not registered and there may be more ready acceptance--and even employment-- of the competitive "professional engineer" as opposed to one who is not qualified to register or who does not register even if qualified. Hence the matter of professional standing appears to become involved and some argue, with perhaps good reason, that no engineer who does work in one of the designated branches can take a chance and not register.

Geologists have raised the question as to whether or not they are sometimes engaged in petroleum engineering and therefore should qualify and register as petroleum engineers. Certainly many recognized petroleum engineers are either geologists, mining engineers, or other designated engineers engaged in engineering petroleum structures in a broad sense. It is not so much the profession which you claim but the work which you perform that designates the engineering branch for registration. Thus, some graduated mechanical engineers, chemical engineers and electrical engineers are registering as petroleum engineers. Others with petroleum degrees are registering as mechanical engineers, etc. Consequently, a geologist must have a very firm view of his future if he is positive that at some time he may not desire to be classified as a petroleum engineer. Furthermore, the provisions of the law may change from time to time as have the civil engineering provisions and may become more and more restrictive both as to requirements and practices.

Until June 30, 1948, engineers--and most geologists are believed to be engineers--can register if qualified by college degrees and a minimum of practical experience or by extended experience without college degrees. The present law contains a "grandfathers" clause. This provides that a person of good moral character may register without written examination in chemical, electrical, mechanical or petroleum engineering

by payment of the fees provided by law and by furnishing evidence, satisfactory to the Board, of six years or more of experience in engineering work in the branch for which he applies. Graduation from an approved school of engineering is equivalent to four years' experience while graduation in a curriculum in other than engineering may be equivalent to two years' experience.

After June 30, 1948, the applicant in addition to all other qualifications, must successfully pass a written examination. In some cases he must pass two written examinations--the first covering fundamental engineering subjects and the second covering knowledge gained from experience--to determine if he is capable to take charge of engineering work. It goes without saying that those who now qualify under the grandfather clause may later be envied by those forced to pass the examinations.

Since this brief is largely directed to geologists it appears obvious that they should register as petroleum engineers if qualified by experience under the present minimum requirements. The advantages of doing so appear legion, but some have voiced complaints or argue against registration.

One argument follows the line that the whole law is another regimentation and therefore it is to be resisted. This is no more valid than that medical doctors, nurses, civil engineers, architects, lawyers, etc. should not be registered. Industry has long ago learned that a heavy structure should not be designed by an unauthorized structural engineer, irrespective of how profoundly his abilities are emphasized. No one, including the courts would accept the accuracy of a land survey except by a licensed surveyor.

Another petroleum engineer or geologist states that he works for a large company and always intends to do so. Since his job is not greatly dependent upon registration, why should he pay the fees or bother about filling out a lengthy application, particularly since there is no prohibition against his doing petroleum engineering. However, this man should remember that sometimes the employer has something to say about the length of employment and there is such a thing as job classification with related rates of pay. The law prohibits the use of title "petroleum engineer" unless you are registered, so how does one get on the payroll as an engineer unless he is registered? Some companies already believe that reclassification of titles may be necessary between the registered and non-registered engineers within their payroll.

There are other arguments used against registration, but on careful analysis, a quality engineer is supposed to possess, most such arguments appear dangerous to the interest of the individual engineer. The employer perhaps is not so much concerned. It seems to the writer that all qualified engineers, including the geologist as an engineer, should register and prevent any misunderstanding as to their present qualifications or possible limitation to their future ambitions or positions in a profession.

Those who desire to register should write to the Board for application blanks at 529 Business and Professions Building, Sacramento 14, or to the branch office at 907 State Building, Los Angeles.

The Board mentioned herein is the "State Board of Registration for Civil and Professional Engineers". The writer is a member of this Board but nothing herein shall be construed as expressing any opinion other than his own personal opinion. The statements contained herein may or may not express the views and interpretations of any of the other Board members. This article is written by the author as an individual and not as a member of the Board.

EXECUTIVE COMMITTEE, PACIFIC SECTION
AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

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Next Deadline Monday, March 1, 1948.
For Out-of-Town Correspondents, Saturday, February 28, 1948

PERSONAL - ITEMS

James C. Kimble, assistant manager of the geological department, General Petroleum Corporation; Robert T. White, chief geologist for Barnsdall Oil Co. in California; James W. Sheller, Ventura district geologist for the Richfield Oil Corporation, and Louis J. Regan, Santa Maria district geologist for the General Petroleum Corporation, have announced the organization of a new oil exploration and consulting company to operate in California. The above named men will constitute the geological personnel of this new organization which is expected to start operation about March first.

Ben Lupton, General Petroleum Corp., has been transferred from Sacramento to the Santa Maria office.

Dwight Fortine is now the chief geologist for the Barnsdall Oil Co. in California.

Bill Comstock, on inactive duty from the Navy, is now chief geologist for Franco Western Oil Company. Bill will be located in the Edison Building, Los Angeles. He was formerly in the office of the Inspector of Naval Petroleum Reserves in California.

Bob Stitzman of the Richfield Oil Company in Long Beach has taken over the Los Angeles Basin scouting assignment.

Robert Anderson and Ruthelen List of San Marino have announced their engagement.

Carroll M. Wagner has been named a director and manager of exploration for the General Petroleum Corporation.

John F. Dodge has resigned his position as president and manager of the Pantepec Oil Co. in Venezuela. He will open a consulting office in Los Angeles.

Jimmie Dean, who has been with Socony in Venezuela, is again with the General Petroleum in Los Angeles.

Dean H. Sheldon, consultant, announces change of offices to 727 West Seventh St., Los Angeles 14. Michigan 4996.

Joe Jones and Joe Show of the Capital Company in Texas, were recent visitors in Los Angeles.

E. R. Stanley, consultant, was seriously injured when he was hit by a driver with no brakes on the Grand St. hill. Mr. Stanley has not yet returned to work, but is on the road to recovery.

The Division of Geological Sciences, California Institute of Technology, announces the appointment of Dr. R. Dana Russell as Visiting Professor, and of Dr. C. Hewitt Dix as Associate Professor. Dr. Russell, consulting geophysicist for the U.S. Navy Electronics Laboratory, will work in sedimentary petrology. He was formerly on the staff of Louisiana State University. Dr. Dix has been a geophysicist with the United Geophysical Company for the past six years.

Prof. A. I. Levorsen will talk on "Time of Oil Accumulation" before the Northern California Geological Society at 8:00 p.m., March 4th, in room 209 Bacon Hall, University of California. "Lev" is preparing this talk for the Distinguished Lecture series and will try it out on the Bay Region geologists.

Bill Kew will attend the International Geological Congress in London this summer. We should like to carry Bill's brief case on this trip.

Violet (Mrs. S. H.) Gester embarked January 23rd on a trip to Venezuela where she will visit her son, Pete Gester, who is a geologist with Richmond Petroleum Company of Venezuela.

Al Solari appeared in his S. F. office one recent morning sporting a noteworthy "shiner". Al's explanation of his acquisition of said decoration was refreshing. He said that he got it from the door of his automobile. That is much better than the old standard version and indicates that Al has considerable imagination.

Jerry Hulsewe and Ignacio Bonillas were recent visitors in San Francisco from Venezuela. Jerry is connected geophysically with Richmond Petroleum Company of Venezuela and Ignacio is chief geologist of that company.

Bill Schlax, after serving in the Marine Corp. and then attending the University of Washington, is now employed by the Superior Oil Co. in Bakersfield.

Harold Forthergill, Union Oil Co., has been transferred temporarily from Washington to Bakersfield.

Max Payne has resigned from the Union Oil Co.

Pete Woods, Pacific Western Oil Corp., has been transferred from petroleum engineering to the geological staff in Bakersfield.

Ralph Brodek, Western Gulf, was elected Chairman of the San Joaquin Scouting Association.

John Ruth, with Standard Oil in Los Angeles is now spending a few weeks in the Bakersfield office.

Art Huey, former district geologist for Shell in Bakersfield has resigned and joined Hancock Oil Co. at Long Beach as geologist in charge of the California area.

Harold "Rats" Rathwell has come out with an official statement for publication. "My future home will be Paradise, California. I intend to devote my time to subdividing land, building homes, fishing, and general hill-billy loafing. No farming - as has been erroneously reported." As the natives up there object to the nickname "Rats" henceforth it will be "Ben" Rathwell, Route 2, Box 2470, Paradise, California. (15 miles NE of Chico)

Bill Merrill, Standard Oil Co., claims that he can give more reliable "dope" on that Company's deep Montalvo well than the Ventura newspapers but most scouts have an "I'm from Missouri" attitude about this.

Claude Leach is spending most of his off-time in his new home woodworking shop. His wife and he are becoming expert cabinet makers.

The drought has caused several of our local oil geologists to turn their efforts to water finding and storing. "Tom" Bailey and "Hank" Neel now are working part time with liquids of specific gravity of 1. A few geologists (names withheld) are reported studying the intricacies of the divining-rod and willow stick.

Bill "Mud hen" Thomas reportedly whiled the last pheasant hunting season stalking the back yards of the Pierpont Bay district in the Ventura city limits. Results were not ascertained.

Some 30 of our members took part in the Salinas Valley core sampling regatta. The Texas Co. representatives had carefully laid out the cores of six wells the day before the sampling, but during the night the neighboring alfalfa field was irrigated along with the cores. The more credulous geologists who saw "live" forams in the soaked cores may have done too much soaking in King City the night the dam went out.

Professor Joseph Murdoch, UCLA mineralogist, is leaving soon for a sabbatical trip to the Brazilian pegmatites and to Fennoscandia. He expects to attend the International Geological Congress in London next summer.

Dick Tremaine, a recent graduate of UCLA, has accepted a position with the Atlantic Refining Company.

Dr. Willis P. Popenoe, UCLA paleontologist, accompanied by Harold Stager, Gordon Weir, and Louis Guzman, graduate students, is leaving soon for a week's trip to Lower California in order to collect Upper Cretaceous fossils. The principal object of the trip is to obtain material that will aid in the correlation of the Pacific Coast Cretaceous.

BABY LIST

To Lesh Forrest, C.C.M.O., in Bakersfield, a girl, Lisa Anne, January 20, arrived in time for dinner at 6:30 P.M.

CALENDAR

- February 5, 1948, Thursday, 12:00 noon, A. A. P. G., Pacific Section, Los Angeles, Luncheon Meeting.
- February 12, 1948, Thursday, 6:30 p.m., A. I. M. E., Junior Petroleum Group, Rio Hondo Country Club, Downey.
- February 12, 1948, Thursday, 7:00 p.m., A. A. P. G., San Joaquin Geological Society, Hotel El Tejon, Bakersfield, Dinner Meeting.
- February 16, 1948, Monday, 7:00 p.m., A. A. P. G., Pacific Section Geological Forum, Los Angeles.
- February 17, 1948, Tuesday, 7:45 p.m., A. P. I., San Joaquin Valley Chapter, Bakersfield Inn, Bakersfield.
- February 23, 1948, Monday, A. I. M. E., Petroleum Chapter, Auditorium, Ethyl Corp. Building, Los Angeles.
- March 4, 1948, Thursday, 12:00 noon, A. A. P. G., Pacific Section, Los Angeles, Luncheon Meeting
- March 9, 1948, Tuesday, 7:00 p.m., A. A. P. G., San Joaquin Geological Society, Hotel El Tejon, Bakersfield, Dinner Meeting.
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PACIFIC PETROLEUM GEOLOGIST
PACIFIC SECTION, A.A.P.G.
ROOM 700
601 WEST 5TH. STREET,
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RETURN POSTAGE GUARANTEED

BIBLIOGRAPHY OF RECENT PUBLICATIONS

°Pacific Coast Geology

°Other Articles of Special Interest

- A.A.P.G. Bull., Vol. 32, No. 1, January, 1948
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- ° "Genesis and Evolution of Los Angeles Basin, California" by Herschel L. Driver, pp. 109-125.
- Geol. Soc. Amer. Bull., Vol. 58, No. 12, December, 1947
Abstracts of papers presented at Ottawa (December), Stanford (April), and Chicago (December).
- Journal of Geology, Vol. 56, No. 1, January, 1948
"Isotope Ratios: A clue to the Age of Certain Marine Sediments" By Frans E. Wickman, pp. 61-66.
- Journal of Paleontology, Vol. 22, No. 1, January, 1948
° "Halosauridae from the California Tertiary" By Lore R. David, pp. 94-100.

- Journal of Sedimentary Petrology, Vol. 17, No. 3, December, 1947
° "Sandstone Types and Their Associated Depositional Environments" By E. C. Dapples, pp. 91-100.
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° "Environments of Limestone Deposition" By Laurence L. Sloss, pp. 109-113.
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"Shoran Radar - War's Contribution to Oil Exploration" By Edgar B. Stern, Jr.
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"1947-Oil Discoveries Largest Since 1937", By H. J. Struth, pp. 51-53.
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"Production-Exploration Research Expanding", pp. 50-53.
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"Mining for Oil in Japan", pp. 198-205.

Sec. 5 6 2
P. L. & R.

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PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 2

March 1948

Number 3

ASSOCIATION ACTIVITIES

At the regular monthly luncheon meeting at the Hotel Clark February 5th, Mr. Irving Smith, Attorney for the City of Long Beach, explained some of the issues of the much publicized tidelands lawsuits in a talk entitled "Tidelands as Affected by U.S. Supreme Court Decision". His very convincing discussion traced titles on these areas back over a hundred years through a large number of court decisions upholding states' rights to inland waterways, lakes and harbors. He described how the present suits involving California Tidelands were started and pointed out that Mr. Harold L. Ickes, who was quite instrumental in starting these suits, had himself formerly held that the tideland areas belonged to the states. Finally, Mr. Smith described how the far reaching implications of the recent Supreme Court ruling regarding tidelands might be used as a precedent for suits which would endanger private property rights everywhere whenever the government is involved.

The February meeting of the Geological Forum was held at U.C.L.A. on the 16th with Louis Heintz as chairman. Mr. A. Woodward, the first speaker described the Dominguez Oil Field and illustrated his talk with a number of structure contour maps on various zones. These showed a well defined anticlinal fold somewhat oblique to the usual Inglewood trend, cut in a northwest-southeast direction by a shear zone about 200 feet in width. The displacement along this zone is comparatively small in the upper zones but finally reaches 300 feet in the 6th zone, where most of the oil is on the southwest side. In the shallower zones production comes from both sides. The shear zone is still active as shown by movement which has sheared casing in some of the wells. Dr. Ralph Arnold and others showed how the early wells only lacked a few hundred feet of discovering one of California's best oil fields.

Mr. Clive Mendelsohn gave an interesting account of the geology of Portugal and the efforts that have been made to exploit its oil resources. He described the peculiar type of structure which has been termed "tiphonic" by the European geologists. These structures are analogous to salt domes of the Gulf Coast region. The exploration work which began in earnest just before the last war, was terminated abruptly by a hurricane which swept the west coast of Portugal.

Dr. Robert Dietz discussed the origin of several peculiar structures in the United States which have a circular outline, in his talk "Meteoric Impact versus Crypto-Volcanic Origin of Certain Explosive Structures". In support of his contention of Meteoric impact to explain these structures, he showed quite a number of very interesting photographs of craters on the moon. From these he illustrated a central dome surrounded by a concentric syncline which in turn is surrounded by a concentric anticline of gentler dip. The Flynn Creek structure in Tennessee and a few others in the United States are believed to be examples of structures caused by meteoric impact.

Homer Steiny, chairman transportation committee, announces that the A.A.P.G. special car will leave Los Angeles, from Union Depot, on Union Pacific No. 38 at 6 P.M. P.T. on Friday, April 23, 1948, arrive Salt Lake City 4:45 P.M. M.T. Saturday, April 24. Cars will leave Salt Lake City on Denver and Rio Grande at 8:50 P.M. M.T., Saturday, April 24, cross the continental divide, then through the Royal Gorge and arrive Denver at 6:30 P.M. M.T., Sunday April 25th.

Phone Homer, Michigan 6251, for reservation both going and return. Ten reservations have already been received.

Fare Los Angeles - Denver and return \$86.60, including tax. Upper \$11.73, Lower \$15.41, Compartment \$43.30 (2people), Drawing Room \$55.40 (3 people), all tax included and one way.

Return pullman space can be secured prior to leaving Los Angeles if you will advise in reasonable time, in fact the more reasonable the time, the more reasonable the chance of securing it.

The Geologists' Special Car to the Denver Convention will be in Salt Lake City for approximately four hours Saturday afternoon and evening, April 24, 1948. All persons traveling on this car will be the guests of Mr. N. G. Morgan while in Salt Lake City.

Automobiles will meet the party at the Union Pacific Depot, pass up South Temple and State Streets, via Eagle Gate, to the State Capitol for a view of the Salt Lake Valley, returning to the Temple grounds. Here the party will attend an organ recital in Mormon Tabernacle to be given especially in its honor. Thereafter points of interest on the Temple grounds will be visited, followed by a half-block walk to the Hotel Utah. Dinner in honor of the party will be given at the Hotel Utah, following which there will be a brief resume of oil development in Utah, with such discussion of the Geology of the State as time permits. Automobiles will return the party to the Rio Grande Depot.

Mr. H. J. Steiny, Chairman of the Transportation Committee, has made these arrangements through Mr. Joseph Jensen, who is an old schoolmate of Mr. Morgan.

The Branner Club met at Hancock Foundation, University of Southern California, on February 19, 1948. Dr. Morris Neiburger of the Department of Meteorology at the University of California at Los Angeles gave a most interesting talk on "Long Range Weather Forecasting," in which he showed that the popular beliefs were lacking in scientific basis.

OUR NEXT SPEAKER?

The suggestion has been made that the membership at large be given a voice in naming the speakers for the regular luncheon or dinner meetings in the Bakersfield, Los Angeles and San Francisco Areas. The program chairman in each area will welcome your suggestions along these lines. Contact Jack Beach in Bakersfield, Cliff Johnson in Los Angeles or Graham Moody in San Francisco.

EXECUTIVE COMMITTEE, PACIFIC SECTION
AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Wm. F. Winham	President
Harvey W. Lee	Vice-President
Peter H. Gardett	Secretary-Treasurer
Martin Van Couvering	Past President

PACIFIC PETROLEUM GEOLOGIST

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Personal Items:	Ted Bear
Selected Bibliography:	John Crowell
Calendar:	Jack Knight
San Francisco Representative	Graham Moody
San Joaquin Representative	Max Capen
Ventura Representative	Wm. C. Hawk

Next Deadline Thursday, April 1, 1948.
For out-of-town correspondents, March 30, 1948.

THE SOCIETY OF EXPLORATION GEOPHYSICISTS

A new organization, to be known as the Pacific Coast Section of the Society of Exploration Geophysicists, has been in the process of formation in response to a unanimous desire expressed at the Geophysical Luncheon at the joint meeting of the A.A.P.G., the S.E.P.M. and the S.E.G. in Pasadena last November. Temporary Chairman Milton C. Born has now announced the first official dinner meeting to be held at Bakersfield Inn, 6:30 P.M., Thursday, March 11, 1948. The Nominating Committee, under the chairmanship of Gene Vallat, and the Constitution Committee, under the chairmanship of Curtis Johnson, have conjured up a slate of candidates and a Constitution and By-Laws for election and adoption at this meeting.

One of the aims of the new Section will be to advance professional understanding and fraternization between geologists and geophysicists on the Pacific Coast where Old Mother Nature is really "getting her back up" when it comes to giving out with new oil fields, and to this end membership has been left open to "any person interested in exploration geophysics" and is not limited to members of the Society of Exploration Geophysicists. Further plans also include the development of a program to bring together geologists and geophysicists interested in exploration for natural resources other than oil, and to integrate the efforts of well-surveying and other "service engineers with geologists and geophysicists.

At this early stage of the game, policy is in the making, so, if you have a pet cooperative project you would like to push, or if you would just like to become better acquainted with a swell gang with interests common to yours, turn out for this first meeting and become a charter member of the Pacific Coast Section of the Society of Exploration Geophysicists.

Please make reservations in Bakersfield with E. H. Vallat, Ohio Oil Co. or L. B. Snedden, The Texas Co., or in Los Angeles with M. C. Born, Amerada Petroleum Corporation or C. H. Johnson, General Petroleum Corporation. Dinner reservations will be accepted until March 11th, A.M.,

Dinner will be about \$2.50 per plate.

TIME: 6:30 P.M., March 11, 1948.

PLACE: Bakersfield Inn, Bakersfield, California

PURPOSE: To complete the organization of the Pacific Coast Section of the Society of Exploration Geophysicists, to plan future activities, and to relax in good company.

GEOLOGICAL PHOTOGRAPHS

In the thought that many geologists have photographs of interesting examples of structural or stratigraphic geology, it is proposed to publish one photograph each month in the news letter, together with a short description. The response of members will indicate the amount of interest aroused and will determine whether the feature will be continued. Photographs submitted should be contact prints on glossy paper, to preserve all detail possible.

The picture below is presented as an example, although not outstanding from the standpoint of photography.



An asymmetrical fold in Eocene coal measures near Carbonado, Washington. Points of interest are the thickening of the shale in the region of reduced pressure across the axis; the thinning of the shale along the flanks of the fold; and the break indicated by the dotted line, (plainly visible in the original photograph) marking the location of incipient thrust faulting. Height of section approximately seventy five feet. (Photograph by Hugh McClellan, 1924).

GEOLOGICAL FORUM

Monday, March 15, 1948, 7:00 p.m. sharp.
General Petroleum Auditorium, 108 W. 2nd St., Los Angeles.

Discovery at Bacon Hills - L. S. Chambers, Chief Geologist, Seaboard Oil Company.

Discovery in Cuyama Valley - Ted Bear, Consultant.

Discovery in Salinas Valley - J. E. Kilkenny, Chief Geologist, C. C. M. O. Company.

Loyde H. Metzner, Chairman this meeting.

PACIFIC SECTION DISTRICT REPRESENTATIVES.

As most of you know, district representatives serve for a term of two years. The Pacific Section now has six representatives. The terms of three of these expire in the near future and mail ballots will be sent out for the election of their replacements. Two members are nominated from Northern California, two from the San Joaquin Valley and two from Southern California. One will be elected to represent each of these groups. A brief outline of the duties of district representatives might be in order.

The primary duty of a district representative is to assure the voicing of the opinions of the majority of his district membership at national meetings. A secondary duty, none the less important, is to check on the eligibility of persons from his district making application for membership.

P. H. Gardett

PERSONAL ITEMS

Signal Oil & Gas is opening a geological office in Bakersfield with Max Payne as district geologist.

Tony Morris was married to Maria L. Miller at Laguna, February 7th. They spent their honeymoon at Acapulco and Mexico City. Tony is now back hard at work for General Petroleum in the Bakersfield office.

Gene Powell, formerly in charge of the San Joaquin Valley Division-Land Dept. for Bazzadall in Bakersfield, is being transferred to Calgary, Canada. He will be in charge of Canadian operations.

H.W. Weddle with Standard Oil Co. in Bakersfield recently spent a few weeks in the San Francisco office.

Geil Bartels, graduate of Paleontology from U.C. and Jack Hogue have joined Stan Beck's staff in Bakersfield. Betty Loudon who previously worked for Stan is now in Juneau, Alaska.

Richfield Oil Corporation combined forces in Bakersfield and have moved into their new building on Kern Island Road ("H" St.) and White Lane--approximately 2 1/2 miles south of Brundage Lane. Their mailing address is P.O. Box 147.

William F. Yerington, graduate of U.C., is working in the Geological department for the Ohio Oil Co. in Bakersfield.

Bill Lewis of General Pet. has been transferred temporarily to the Bakersfield office.

Ray Darke of Bakersfield recently returned from the Salt Lake City area where he had spent a few weeks for the Standard Oil Co.

Miss Ann Carman, formerly with the Union Oil Company, is now subsurface geologist with the Continental Oil Company.

Rodney Calvin has joined the geological department of the General Petroleum Corporation. Rod is the first geology graduate of the University of Redlands where Dr. Stephan Dana has recently organized a four-year geology course.

Bob Maynard, graduate student from UCLA, has been employed by the Richfield Oil Co. Bob was in mining geology before the war.

Irving Schwade of the Richfield Oil Co. from Midland, Texas will be transferred to Ventura to replace James Sheller as district geologist.

Seaboard Oil Co. in Bakersfield is planning to move into Suite 565-567 in the Ebersfelde Bldg. within the next few weeks.

Vic King with General Petroleum in Casper, Wyoming, recently spent a few days of his vacation in Bakersfield.

For those sturdy geologists in Bakersfield who are interested in playing badminton at the Kern County Union High School gym, the new time will be at 8 P.M. on Tuesday and Thursday, beginning March 2nd.

Harry P. Stolz, Tom Woodward and Stan Williams have returned from Washington, D. C., where they attended conferences of the subcommittee of the House Armed Services Committee in regard to immediate and long range petroleum problems of the Armed Services.

John May of the Independent Exploration has returned from a business trip to Midland and Houston, Texas.

Roy Barnes and Glenn Bowes of the Continental Oil Co. have returned from a business trip to Ponca City.

Joe Jensen with the Tidewater Associated, has been absent from his office due to a recent illness.

Dr. Robert Clark is back on the job at Western Gulf after an operation.

Jane Everest of the Union Oil Company will attend the Geological Congress in London this summer.

The State Exploration Company; James Kimble, Robert White, James Sheller and Louis Regan opened their office March 1st in the Transamerica Building, Los Angeles. James Sheller will open a branch office in Ventura while Louis Regan will be located in Bakersfield.

To those who have geological reports to be typed: It will be of interest to know that Gretchen Bremermann, formerly secretary to C. M. Wagner of General Petroleum, is available for such assignments at her home, 716 West Roses Road, San Gabriel, Phone Atlantic 1-7635.

Most of you have probably heard an erroneous rumor regarding Max Krueger's future plans. A recent letter from Max states that as far as he knows, this rumor is entirely unfounded and he is still happily a Union Oil Co. Geologist in the Rocky Mtn. Division. An attempt to unravel the geologic history of this rumor has been offered. It is believed that when Max Payne left the Union Oil Co. at Bakersfield, someone said: "Max has left the Union" and that it was interpreted as being Max Krueger.

It is my understanding that Sam Stewart has at last found a practical use for his Brunton Compass. Did you ever have trouble with a piece of furniture that wasn't quite level? Sam did and made delicate adjustments with the aid of his Brunton.

Bill Winham, our able President, recently attained a new title--Grandfather--by virtue of the birth of a daughter to his eldest daughter, Patricia.

Bill Booth of Bakersfield passed out cigars this month with the birth of the fourth girl.

The Denmark of today is presented in picture form in a magazine sent by Albert Gregerson to Martin van Couvering. This interesting English-language publication brings out a little-known fact - that American Independence Day has been celebrated since 1912, except during world wars, every year in Denmark's National Park at Rebild, Jutland.

W. F. (Bill) Barbat enjoyed a trip to Washington, D. C. during February. Bill thinks that Washington isn't a bad place to be from.

Elmo Adams made one of his periodic flying visits to Midland, Texas, and other active areas in the mid-continent during the past month. It might be appropriate for one of our traveling geologists such as Elmo to investigate the possibility of a pipeline from the mid-continent to California to supplement our dwindling water supply.

The next time you run across Phil Gaby, ask him to describe the delights of flying from Chicago to San Francisco through blizzards. (no blizzards at S. F.)

The Stanford School of Mines and Geology held an open house on February 26th. New equipment received since the war was on display. Donations from alumni were reported to be largely responsible for the new equipment. Many Bay Area geologists, some accompanied by their wives, enjoyed the open house.

W. S. W. Kew has returned from another trip to Chicago. Bill likes to travel.

G. C. (Clark) Gester is back in his San Francisco office from Colorado Springs where he attended industry committee meetings.

San Francisco has been brightened during the past month by visits from Frank Morgan, George Knox, Karl Arleth, Bill Winham, and Herman Weddle.

The Northern California Geological Society thoroughly enjoyed Dr. Levorsen's talk entitled "Time of Oil Accumulation," given at Bacon Hall, U. C. Campus on March 4th.

Paul Pustmeller - formerly with Shall, has returned to Denver where he is house hunting for his family of girls (5 of them including Jane, his wife).

Harold Hoots found out recently that geologic surveying must be a lost art when he tried to find a stadia rod. (What are they?)

Tom Bailey (Dr. T. L.) has been elected chairman of the Ventura County Engineers Club for this year.

Bill Rand - Union Oil Company - has moved to offices in Santa Paula from Santa Barbara. Bill claims his new office was formerly the founders' and original oil finders' for his company.

Jim Sheller is leaving Richfield March 1st as Coastal District Geologist to work with Bob White, Louie Rogan and Jim Kimble.

New arrivals-to the Phil Walters', Continental Oil Company, a girl, Joan Elizabeth, on February 1.

A party for Ben ("RATS") Rathwell was held at Pete Hall's house on Creek Road near Ojai. Scouts of the Coastal District gave Rats a send-off and presented him with a salmon fishing rod baited with "Shark Mackereliena, otherwise known as Corbina, if no witnesses present," to quote Cliff Johnson who engineered the presentation.

Dr. Harold Hoots will give a talk at UCLA on Monday, March 15, at 4:00 P.M. in Chemistry Building 310. His subject will be "The Organization of the Geological Department of an Oil Company and the Future Prospects for Employment as Geologists in the Oil Industry, both in the United States and Abroad." This talk will be first of a series on petroleum geology and related subjects sponsored by the UCLA Geological Society.

Martin Van Couvering will speak to the U.C.L.A. Geological Society on "Governmental Supervision over Oil Field Operations" on April 5th at 4 P.M. in the Chemistry building, room 310.

At the regular monthly meeting of the Research Committee, February 18, approximately a score of subjects were proposed as suitable for research. A letter and questionnaire were sent to geological departments of colleges and universities on the Pacific Coast, requesting information on research problems now being pursued, and asking if financial assistance is desired for additional research.

The next dinner meeting of the Southern California Section AIME will be held at the University Club on Thursday evening April 8. Following the dinner there will be an address by Dr. Donald H. McLaughlin on "A Mineral Policy for the United States". Dr. McLaughlin is a Vice-President of the American Institute of Mining and Metallurgical Engineers, and was formerly Chairman of its committee on Geophysics. He is President of the Homestake Mining Corporation and Vice-President of the Cerro de Pasco Company. He was formerly Dean of the engineering School at the University of California at Berkeley and prior to that Chairman of the Department of Geology at Harvard University. Dr. McLaughlin is an excellent speaker and his topic is a timely one which should be of interest to petroleum and mining men alike.

Reservations for the dinner may be made through L. W. Chastee, Secretary, AIME, Union Oil Co., 617 West 7th Street, Los Angeles 14 (telephone Tucker 7211). Those who may not wish to attend the dinner but would like to take in the address are welcome to come at 8:00 o'clock.

STATE CIVIL SERVICE POSITIONS

The California State Personnel Board will hold examinations for Associate Geologists on May 4, 1948. Salary range is \$395.00 to \$481.00 per month. Final date for filing applications is April 13, 1948. Candidates are graded on the basis of the results of a written examination which is given a relative weight of 6 and qualification appraisal which has a relative weight of 4. A medical examination is required and candidates must be in good health and free from disabling defects.

Applications must be made on form 660 and, if filed by mail, must be addressed to the State personnel Board, 1015 L Street, Sacramento, California. Applications will not be accepted if post marked later than midnight, April 13, 1948.

CALENDAR

March 4, 1948, Thursday, 12:00 noon, A. A. P. G., Pacific Section, Clark Hotel, Los Angeles, Luncheon Meeting.

March 8, 1948, Monday, 7:00 p.m., A. P. I., Coastal Chapter, Ventura.

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March 23, 1948, Wednesday, 7:30 p.m., A. P. I., Coalinga-Kettleman Chapter, Club Polivadero, Coalinga.

March 22, 1948, Monday, 7:00 p.m., A. I. M. E., Petroleum Chapter, Auditorium, Ethyl Corp. Bldg., Los Angeles.

April 1, 1948, Thursday, 12:00 noon, A. A. P. G., Pacific Section, Clark Hotel, Los Angeles, Luncheon Meeting.

April 7, 1948, Wednesday, 6:30 p.m., A. I. M. E., Southern Calif. Section, University Club, Los Angeles, Dinner Meeting.

April 8, 1948, Thursday, 6:30 p.m., A. I. M. E., Junior Petroleum Group, Rio Bonito Country Club, Downey.

April 9, 1948, Friday, 6:45 p.m., Branner Club Geological Society of America, Pasadena Athletic Club, Dinner Meeting.

April 13, 1948, Tuesday, 7:00 p.m., A. A. P. G., San Joaquin Geological Society, Hotel El Tejon, Bakersfield, Dinner Meeting.

April 19, 1948, Monday, 7:00 p.m., A. A. P. G., Pacific Section, Geological Forum, Los Angeles.

April 20, 1948, Tuesday, 7:45 p.m., A. P. I., San Joaquin Valley Chapter, 11-C Meeting Hall, Standard Camp, Taft.

April 26, 1948, Monday, 7:00 p.m., A. I. M. E., Petroleum Chapter, Auditorium, Ethyl Corp. Bldg., Los Angeles.

World Oil, Vol. 127, No. 10, February, 1948.

"Tracing Wildcat Trends with Radon Emanations", By R. A. Stohart, pp. 78 and 79.

"Portable Well Logging Unit", By Wilfred Tapper, pp. 80-82.

"Electrical Logging Developments in the U.S.S.R.", Part 3: The Equivalence Principle, By Robert Guyod, pp. 84-90.

"Development and Exploratory Trends in the Rocky Mountain Region", By C. M. Ross and L. Rundall, pp. 107-116.

PRELIMINARY PROGRAM DENVER MEETING

APRIL 26, 1948 - EVENING:

1. V. F. Parry, U. S. Bureau of Mines, "Prospects of conversion of western coals to synthetic liquid fuel."

APRIL 27, 1948 - MORNING:

1. Convention called to order. Star Spangled Banner.
2. Address of welcome - C.E. Manion.
3. J. A. Waters, S.E.P.M. Presidential address.
4. C. H. Green, S.E.G. Presidential address.
5. Carroll E. Dobbin, A.A.P.G. Presidential address.
6. Awards and Honorary Memberships.
7. Announcements.

AFTERNOON:

1. F. H. Labee, "Statistics of Exploratory Drilling, 1947."
2. J. G. Hartman, E. F. Shea, and W. C. Imbt, "The occurrence of oil in the Arbuckle and Ellenburger formations of the Mid-Continent area."
3. R. M. Swesnik, "The 'Golden Trend' of McClain and Garvin Counties, Oklahoma."
4. D. B. Layer, "The Leduc oil field, Alberta, A Devonian coral reef discovery."

EVENING:

1. J. T. Duce, "Oil in the Middle East" and film showing life in the Middle East.

APRIL 28, 1948 - MORNING:

1. M. L. Krueger and P. L. Gooldy, "Certain relationships between geology and the production pattern in the Rocky Mountains."
2. C. J. Hares, "Orogeny of the Rockies."
3. R. L. Heaton, "Mesozoic and Late Paleozoic history of Colorado and adjacent areas."
4. H. D. Thomas, "Regional stratigraphy and structure of Wyoming."

AFTERNOON:

1. E. M. Spleker, "Orogenic record of Central Utah."
2. A. A. Baker, J. W. Huddle, D. M. Kinney, "Paleozoic geology of the north and west sides of the Uinta Basin, Utah."
3. L. L. Glass, "Tectonic control of Paleozoic sedimentation in the Montana area."

APRIL 29, 1948 - MORNING:

1. H. W. Scott, "Age of the Amsden formation in Montana and Wyoming."
2. J. M. Hills, "Regional Paleogeography of the northern part of the Permian Basin of West Texas and New Mexico."
3. A. J. Kardley, "Paleotectonic and Paleogeologic maps of the central and western part of North America."
4. G. F. Walton, "Gas for the Future."
5. George Gates, "General geologic and geographic pictures of Naval Petroleum Reserve No. 4, Northern Alaska."
6. T. G. Payne, "Stratigraphic facies analysis in Naval Petroleum Reserve No. 4, Northern Alaska."

AFTERNOON:

1. Hall Taylor, "Stratigraphic studies in Ethiopia."
2. H. L. Koch, "The Weeks Island Oil Field, La."
3. D. M. DeLo, "The Geologist in the Armed Services, World War II."
4. Annual business meeting.

EVENING:

Western dinner and dance.

To Contributors

The "Pacific Petroleum Geologist" has no secretary, stenographer, or typist and therefore it is always a considerable chore near the end of each month to retype various contributions sent in. Contributors can confer a real favor on the editorial staff by typing contributions in column 5" wide - not more - on regular letter weight paper, so that they will not have to be retyped.

BIBLIOGRAPHY OF RECENT PUBLICATIONS

oPacific Coast Geology
oOther Articles of Special Interest

SCIENTIFIC PUBLICATIONS - JOURNALS, BULLETINS, ETC.

A.A.P.G. Bull., Vol. 32, No. 2, February, 1948.

"Marine Sedimentation and Oil Accumulation. II. Progressive Larine Offlap and Overlap-offlap", By Boris S. Malkin and Dorothy Jung Scholz, pp. 252-261.

"Core Orientation by Graphical and Mathematical Methods", By Hugh McLellan, pp. 262-282.

Geol. Soc. Amer. Bull., Vol. 59, No. 1, January, 1948.

"Geological Correlation and Paleogeology", By R. S. Allan, pp. 1-10.

"Critique of the Time-Stratigraphic Concept", By F. A. Wheeler and E. Maurice Reesley, pp. 75-86.

Petroleum Technology, Vol. 11, No. 1, January, 1948.

"The Location of Points of Water Entry in Oil Wells", By D. Silverman and A. A. Brown, TP 2316, pp. 1-17.

TRADE JOURNALS AND MISCELLANEOUS MAGAZINES

Oil and Gas Journal, Vol. 46, No. 36, January 22, 1948.

"Exploration Tools in 1948", p. 119.

Petroleum World, Vol. XLV, No. 2, February, 1948.

"Substantial Economic Production Developed in Petroleum Middle Dome Well", pp. 32-37.

World Oil, Vol. 127, No. 11, February, 1948.

"Geophysical Activity Increased at 'ear' Machine", p. 158.

World Petroleum, Vol. 19, No. 1, January, 1948.

"Restored State Technique Reproduces Reservoir Conditions", pp. 44-45. (core analysis)

"German Oil Industry Makes Slow Recovery", By Alfred M. Stahmer, pp. 52-55.

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PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 2,

April 1948.

Number 4.

ASSOCIATION ACTIVITIES

At the regular monthly luncheon meeting on March 4th, Dr. Robert P. Sharp discussed geologic exploration in the St. Elias Range of Canada which he illustrated with some very fine colored slides.

The next monthly meeting will be at the Hotel Clark at 12:00 noon April 22nd. Dr. Gordon Rittenhouse, Associate Professor of Geology at the University of Cincinnati and a distinguished A.A.P.G. lecturer, will address the Pacific Section on the subject of "Interpretative Petrology of Sedimentary Rocks". On April 23d, at 7 P.M. Dr. Rittenhouse will speak to the San Joaquin Valley Geological Society at Hotel El Tejon, Bakersfield.

Reservations are still available through Mr. Homer Steiny on the A.A.P.G. special car which will leave Los Angeles from the Union depot at 6:00 p.m. Pacific Standard Time on Friday, April 23rd, arriving in Denver at 6:30 p.m. Sunday, April 25.

Please note that train time is Standard time, and by California Daylight Saving Time the train will leave Union Station at 7 P.M.

The joint annual A.A.P.G., S.E.P.M. and S.E.G. meeting will begin on Monday, April 26th at which time a pre-convention field trip along the foothills of the Front Range will be given under the auspices of the A.A.P.G. The technical sessions of the A.A.P.G. will begin on Monday evening, but the S.E.G. technical sessions will begin Monday morning.

C. E. Manion, entertainment chairman, announces that the dinner dance, Thursday, April 29th, will be "Western". It is requested that those attending cooperate as far as possible by wearing western clothes to the party.

The local section of the S.E.P.M. held a dinner meeting on March 24th at which time Dr. K. O. Emery of U.S.C. addressed the group on "Ranger Bank, a Prospective Future Buried-hill Oil Structure." This submarine topographic feature north of Cedros Island off the coast of Lower California is similar in shape to the topographic features that overlie some oval-shaped oil-bearing structures. Although at a depth of 70 fathoms it may be susceptible to exploration by drilling techniques that are now being developed in other areas. Discussion brought out a comparison with schist "highs" in the Los Angeles Basin.

Preceding Dr. Emery's paper, there was a discussion of plans for the Spring field trip. San Emigdio Creek, Cuyama Valley and the Salinas Valley were three of the areas of enough interest to warrant consideration.

At the last Geological Forum meeting on Monday, March 15th, a large attendance reflected the great interest in papers dealing with recent discoveries. Mr. L. S. Chambers described the discovery in Bacon Hills, indicating that the production is from the Oceanic sand along a pinch-out crossing an anticline which is faulted along the southwest side. There is a possibility of deeper production in the Point of Rocks sand.

Ted Bear discussed the discovery of oil in the Cuyama Valley. From the limited information available, the accumulation appears to be a small area on the low southwest side of a thrust fault having about 3000' of vertical displacement. The discovery of oil in the Salinas Valley was described by John Kilkenny. Production is on a small anticline which appears to be underlain by a granite "high". The structure is hidden by alluvium.

G. S. A. MEETING

The Cordilleran Section of the Geological Society of America will meet in Arms Geological Laboratory at the California Institute of Technology in Pasadena on April 9th and 10th, together with the Paleontological Society and the Seismological Society of America.

On April 9th at 12 noon a luncheon of the Pacific branch of the Paleontological Society will be held in the Athenaeum. (Price \$1.00)

On April 10th the business meeting and luncheon (\$1.25) of the Cordilleran Section of the Geological Society of America is scheduled, at which attendance is limited to Fellows of the Society.

On Sunday, April 11, there will be a field trip in the Palmdale-Mint Canyon area, designed to show features along the San Andreas Rift. For both the dinner and field trip it is necessary to make reservations at least a week in advance, by writing to Dr. Robert P. Sharp, Department of Geological Sciences, California Institute of Technology, Pasadena, Calif.

The following tentative program has been announced for the meetings:

- Friday morning, April 9 -
 - Sessions on Structural Geology
 - Session on Petrology
- Friday afternoon, April 9 -
 - Session on General geology
 - Symposium on Miocene-Pliocene boundary in California
 - Session on Seismology
- Saturday morning, April 10 -
 - Session on Physiography
 - Session on Petrology and Mineralogy
 - Session on Seismology
- Saturday afternoon, April 10 -
 - Session on Stratigraphy and Paleontology
 - Session on Seismology

EXECUTIVE COMMITTEE, PACIFIC SECTION
AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

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PACIFIC PETROLEUM GEOLOGIST

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Selected Bibliography:	John Crowell
Calendar:	Jack Knight
San Francisco Representative	Graham Moody
San Joaquin Representative	Max Capen
Ventura Representative	Wm. C. Hawk

Next deadline Saturday, May 1, 1948.
For out-of-town Correspondents, April 30.

FIELD CONFERENCE IN WIND RIVER BASIN, WYOMING,
AUGUST 11 - 14, 1948

The Wyoming Geological Association's third annual field conference will be held in the Wind River Basin, Wyoming, from August 11 to 14. Registration will start at 4:00 p.m. in the Noble Hotel at Lander, the conference headquarters. Field trips on August 12, 13, and 14 out of Lander are planned, which, together with lectures scheduled for evening meetings, will permit examination and discussion of the most important features of the geology of the Wind River Basin, including structure, stratigraphy and major oil fields. The conference will end in Casper on the night of August 14.

A guide book is being prepared which will contain road logs of all the principal roads of the Wind River Basin and original articles on structure, stratigraphy, individual oil and gas fields and other features of interest. It is planned to illustrate the guide book with numerous maps, sections and photographs. Authors contributing to the guide book include geologists of the Wyoming Geological Association, the University of Wyoming, the U. S. Geological Survey, and the University of Missouri.

The general direction and organization of the conference is under the chairmanship of Philip W. Reinhart, of the Shell Oil Company, Incorporated. The guide book is being prepared by an editorial board under the supervision of Jed B. Maebius of the Gulf Oil Corporation. Registration, accommodations and general arrangements are being taken care of by a group headed by F. Howard Brady of Chemical and Geological Laboratories, Incorporated. Other members of the field trip committee include Paul W. Netterstrom of the Barnsdall Oil Company and J. C. McCulloch of the Carter Oil Company. The size of the committee will be increased at a later date.

Invitations to participate are being extended to interested geologists in all parts of the country, and it is anticipated that total attendance will be in the neighborhood of 175 persons, including many from Casper and vicinity.

This conference is one of a series planned by the Wyoming Geological Association to examine and discuss the various portions of Wyoming. On the first of these field trips, held in 1946, the southeastern part of the state was covered. On the second, in 1947, the Big Horn Basin was examined in detail. The current trip will extend southward the area covered in 1947.

BRANNER CLUB DINNER.

The Branner Club is sponsoring a dinner to be held Friday evening, April 9th, at 6:30 P.M. in the Pasadena Athletic Club. The evening speaker will be Robert S. Dietz of the U. S. Navy Electronics Laboratory, who will talk on marine geological investigations in the Antarctic, Pacific, and Arctic oceans.

GEOLOGICAL FORUM.

The next Geological Forum meeting will be held at the General Petroleum Auditorium at 7:00 P.M., April 19th under the chairmanship of Loyal Nelson. The program will be as follows:

1. Karl Arleth, Standard Oil Company, "Recent development at Montalvo, Ventura County."
2. Fred Vandenberg, Kern Oil Company, "Race-track Hill Oil Field."
3. Maynard Harding, United Geophysical Company, "Reflection Seismograph Exploration in Pacific Coastal Waters."

PERSONAL ITEMS

Roy M. Barnes, Los Angeles Region Geologist for the Continental Oil Company was recently elected Vice-president of the A.A.P.G. His term of office will begin at the end of the annual meeting in Denver. Paul Weaver of the Gulf Oil Corp., Houston, Texas, was elected President.

Ed Doell, former citizen of Taft, is on vacation in San Francisco from Caracas.

C. C. Killingsworth and Merritt B. Smith, consulting geologists, have moved to Suite 27, Granada Bldg., 672 South Lafayette Park Place, Los Angeles, 5.

Gene Powell of the Barnsdall Oil Company is now living at the Palliser Hotel in Calgary, Canada. Address all mail to that destination.

Dwight Fortine of the Barnsdall Oil Company will soon be out on "sick leave" for approximately one month while he undergoes a major operation.

Chet Doyle, General Petroleum Corporation, recently made a trip to Dallas, Texas.

Milton Lewis, consultant for the State, recently returned from Washington D. C., where he attended the Tideland Hearings.

Orrin Gilbert, Standard Oil Co., is now in his new home in Temple City.

Russ Simonson is spudding in his new home this week and is busy digging for the foundation.

Lawry Wadsworth, General Petroleum Corp., was recently married in Glendale.

A. O. Woodford reports that beginning about June 15th the U.S.G.S. will start mapping in the Santa Ana Mountains and the San Joaquin Hills.

Rush Blodget, executive vice-president of the Oil Producers Agency of California, has been appointed to the National Petroleum Council.

Wilbur Rankin, consulting paleontologist, has moved his office to 309 Bartlett Bldg., 215 W. 7th St., Los Angeles 14. New phone number Tu 6579.

Bob Ford, Schlumberger's chief electrical engineer will soon move to Houston, Texas, where he will assume the duties of assistant to the President of the Schlumberger Co.

Al Gregerson, Ted Linton, and their wives will attend the National Convention at Denver.

The preliminary map of the Whittier hills, to be known as "Oil and Gas Investigations, Preliminary Map No. 85" is to be out of the Government Printing Office within the next month or so.

Rolfe Johnson, formerly with Richfield Oil Corp. in Bakersfield, is now with Barnsdall Oil Company as Exploitation Geologist at their Newhall-Portero Field

Milton E. Loy will be leaving Bakersfield shortly to become Assistant District Manager for Schlumberger's California Division office at Long Beach.

State Exploration Company's Bakersfield office will be in Room 201-203, Brower Building. Louis Reagan will be in charge of the San Joaquin district office.

Mason Hill is now the proud father of a fifth son, Tommy Kay, born March 24, weighing 7 lbs., 7 oz.

Geologists who are nailed to their desks in San Francisco feel grateful to fellow geologists from the wide open spaces, such as Bakersfield and Los Angeles, who drop in for a visit when around the Bay. There was only one break in the San Francisco daily grind last month. The dulcet voice of Paul Andrews announced over the phone that he was in town and would like some information but was too busy to improve our morale with a bit of chit chat.

The San Francisco Business Men's Garden Club does not sound like society of oil men but its Monday luncheon is the place for Bay City visitors to go if they want a whiff of oil. A poll taken at a recent luncheon disclosed that 20 per cent of those present admitted allegiance to the oil industry. The president is an oil man who expends much effort in assisting gardeners and others to get associated. Many of the fine exhibits on display at the meetings come from the gardens of geologists and other oil men.

Geologists in the Bay Area are so busy that very few of them will be able to attend the Denver meeting. No special car from San Francisco is reserved for them—just a private corner in the club car.

The Northern California Geological Society on March 4th elected officers as follows:

William F. Barbat, president
William E. McKittrick, vice-president
Erwin W. Clark, secretary-treasurer

Erwin Clark has completed a new home at Rio Vista. Rumor has it that Erwin had to build this new place to accommodate the records of the Northern California Geological Society.

Charlie Hares, now retired from the Ohio Oil Company, and Mrs. Hares were brief visitors in San Francisco during April.

PACIFIC COAST SECTION OF THE SOCIETY OF EXPLORATION GEOPHYSICISTS

On March 11, 1948 about 90 geophysicists, geologists, well surveying engineers, and explosive engineers gathered at the Bakersfield Inn to organize a Pacific Coast Section of the Society of Exploration Geophysicists.

The following officers were elected:

President: C. H. Johnson, General Petroleum Corp., Los Angeles, California.
Northern Vice President: L. B. Snedden, The Texas Co., Bakersfield, California
Southern Vice President: M. W. Harding, United Geophysical Co, Pasadena, California.
Secretary - Treasurer: R. C. Dunlap, Jr., Geophysical Service, Inc., Bakersfield, California.
Additional Members of Executive Committee:
O. C. Lester, Jr., Amerada Petroleum Corp. (retired), Aurora, Oregon.
Henry Salvatori, Western Geophysical Co. Los Angeles, California.
District Representatives: John Sloat, Union Oil Co., Bakersfield, California.
Dean Walling, Western Geophysical Co., Los Angeles, California.

Plans of the new organization include two technical meetings each year, the next one being scheduled for late May in Bakersfield and the following one for early November in Los Angeles. Regular informal luncheon groups will meet in Bakersfield and in Los Angeles, the former group having been functioning under the leadership of T. P. Ellsworth for about eight months.

Persons interested in exploration geophysics are eligible for membership. Those joining during the first six months shall be Charter Members. Charter Members shall be members of the Society of Exploration Geophysicists or shall be sponsored by a member of the national organization. Annual dues are \$1.00. Dues and application for membership should be sent to the Secretary--Treasurer, 126 George Hay Building, Bakersfield, California.

RESEARCH COMMITTEE ACTIVITIES

At the third meeting of the Pacific Section A.A.P.G. Research Committee the following were present:

Stanley Herold, Chairman
Herschel L. Driver, Secretary
Francis D. Bode
Robert W. Clark
William H. Corey
Paul P. Gouqkoff
William P. Winham

The questionnaires returned by western colleges, universities and other institutions revealed that the following research problems are under investigation:
Recent and Quaternary lake deposits of Lake County, Oregon.

Sedimentology of John Day formation, central Oregon.
Marine Tertiary sediments of northwest Oregon.

Study of the sources and transportation of beach sand of Santa Monica Bay, Los Angeles County.

Areal distribution, thickness, and laboratory study of samples of the Vaqueros formation of the Santa Barbara coastal region.

Study of the Upper Cretaceous stratigraphy and Paleontology, with special emphasis on provincial relations of the fauna and of genetic "lines."

General program of investigation of recent marine sediments, both near shore and deep sea.

Development of equipment for research in recent marine sediments.

Investigation of submarine topography and structure in connection with recent marine sediments.

Mineral variations in the modern beach sands along the central California coast, leading to investigations of possible source rocks and the amount of long-shore transportation.

Mineralogy of the upper Miocene strata of southern Santa Cruz County - zoning of the rocks by mineral composition and investigation of authigenic minerals.
Studies of texture and cementation in some Tertiary reservoir sands.

Study of California's Tertiary sandstones in cores from very deep wells, to determine effects of deep burial on texture and cementation.

Study of the areal variation of texture and cementation in sandstones throughout a single basin of deposition (location to be selected).

Eocene of Santa Ana Mountains.

Concretions in Puente sandstone, Puente Hills.

Lithology, stratigraphy and structure of western San Jose Hills.

Continental Miocene sediments and volcanic rocks of Calico Hills, Mojave Desert.

Classification and interpretation of cross-lamination.

Study of valley structure with reference to valley and recent gravels, especially in relation to groundwater.

Stratigraphy of the Lower Triassic Moenkopi formation of Arizona and Utah.

The Upper Jurassic formations of Black Mesa, Arizona.

Paleozoic stratigraphy of the Mustang Mountains, Santa Cruz County, Arizona.

Upper Paleozoic stratigraphy Verde Valley and Aubrey Cliffs.

Lower Cretaceous stratigraphy in the Huachuca Mountains.

Preparation of isopach maps for Arizona and adjoining areas.

Paleozoic stratigraphy in the Huachuca Mountains.

Stratigraphic and paleontological studies of certain area in Oregon, Washington, and California, including Eocene around Martinez, Pliocene at Humbolt Bay, and Miocene formations on the Oregon coast.

Mapping of nine quadrangles in the San Francisco Bay area.

Compilation of all the work undertaken since 1904 bearing on the geological history of the Tertiary of the Pacific coast, and ultimately to have a volume expressing progressive changes in paleogeography as based upon the interpretation of the sedimentary and paleontological records.

The Research Committee wishes to thank all those who have filled out and returned the questionnaires, and urges that the others who have not returned their questionnaires do so at once so that the suggestions for research problems will be available at the next meeting of the Committee, when a program will be prepared for discussion at the National convention in Denver.

BIBLIOGRAPHY OF RECENT PUBLICATIONS

°Pacific Coast Geology
°Other Articles of Special Interest

SCIENTIFIC PUBLICATIONS - JOURNALS, BULLETINS, ETC.

A.A.P.G. Bull., Vol. 32, No. 3, March, 1948

- ° "Petroliferous Provinces of Union of Soviet Socialist Republics" By F. Julius Fohs, pp. 317-350.
- ° "Zones of Platin - Joachim of Eastern Missouri" By John G. Grohskopf, pp. 351-365.
- ° Stratigraphic Commission, Notes 3, 4, 5, and 6. Stratigraphic Nomenclature, etc. pp. 366-381.

Geological Magazine, Vol. LXXXV, No. 1, Jan.-Feb., 1948

- ° "The Plio-Pleistocene Boundary and Mammalian Correlation" By H. B. S. Cooke, pp. 41-47.

Geol. Soc. Amer. Bull., Vol. 59, No. 2, February, 1948

- ° "Correlation of the Mississippian Formations of North America" By the Mississippian Subcommittee, J. Marvin Weller, Chairman, pp. 91-196.

Jour. Geology, Vol. 56, No. 2, March, 1948

- ° "A Preface to the Classification of Sedimentary Rocks" By F. J. Pettijohn, pp. 112-117.
- ° "A Classification of Sedimentary Rocks" By Robert R. Schrock, pp. 118-129.
- ° "The Megascopic Study and Field Classification of Sedimentary Rocks" By Paul D. Krynine, pp. 130-165.

Transaction, Amer. Geophysical Union, Vol. 29, No. 1, February, 1948

- ° "Vertical Movement in the Los Angeles Region, 1906-1946" By Ernest J. Parkin, pp. 17-26.
- ° "Earthquake Investigation in the Vicinity of El Centro, California; Horizontal Movement" By B. K. Meade, pp. 27-29. Discussion by Frank Neumann, p. 29.
- ° "Model Studies Made at the University of California River and Harbor Laboratory" By J. W. Johnson, pp. 107-114.

TRADE JOURNALS AND MISCELLANEOUS MAGAZINES

California Oil World, Vol. 41, No. 4, Second Issue, February, 1948

- ° "Overcoming Lost Circulation", pp. 8-11.

Oil and Gas Journal, Vol. 46, No. 44, March 4, 1948

- ° "Why the Interest in Sedimentology", p. 113.

Oil and Gas Journal, Vol. 46, No. 45, March 11, 1948

- ° "Airborne Magnetometer" By H. Jensen, pp. 89-95.

Oil and Gas Journal, Vol. 46, No. 46, March 18, 1948

- ° "Spectacular Gulf of Mexico Discovery" By K. G. Barnes, and L. S. McCaslin, pp. 96-99.

World Oil, Volume 127, No. 12, March, 1948

- ° "Interpretation of Electric Logs in Limestone" By Hubert Guyod, pp. 90-94.

World Petroleum, Vol. 19, No. 3, March, 1948

- ° "Operating Problems of Marine Seismic Surveying" By R. A. Boulevare and E. D. Alcock, pp. 60-61.
- ° "Gas-Oil Ratio Factor in Conservation" By E. O. Thompson pp. 62-63.
- ° "Modern Seismic Refraction Techniques" By Sidon Harris, pp. 72-75.
- ° "Flying Magnetometer: Tool of Aerial Exploration" By Homer Jensen, pp. 84-87.

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CALENDAR

April 1, 1948, Thursday, 12:00 noon, A. A. P. G., Pacific Section, Clark Hotel, Los Angeles, Luncheon Meeting.

April 8, 1948, Thursday, 6:30 p.m., A. I. M. E., Southern Calif. Section, University Club, Los Angeles, Dinner Meeting.

April 8, 1948, Thursday, 6:30 p.m., A. I. M. E., Junior Petroleum Group, Rio Hondo Country Club, Downey.

April 9, 1948, Friday, 6:45 p.m., Branner Club, Geological Society of America, Pasadena Athletic Club, Dinner Meeting.

April 9, 10, 1948, Friday and Saturday, Annual meeting of Cordilleran Section of the Geological Society of America, the Paleontological Society and the Seismological Society of America, Arms Geological Laboratory, California Institute of Technology, Pasadena, California.

April 11, 1948, Sunday, 10 A.M. Field trip thru Palmdale-Mint Canyon area.

13, 1948, Tuesday, 7:00 p.m., A. A. P. G., San Joaquin Geological Society, Hotel El Tejon, Bakersfield, Dinner Meeting.

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April 23, 1948, Friday, 7 P.M., A.A.P.G., San Joaquin Geological Society, Hotel El Tejon, Bakersfield, Dinner meeting.

April 26, 1948, Monday, 7:00 p.m., A. I. M. E., Petroleum Chapter, Auditorium, Ethyl Corp. Bldg., Los Angeles.

May 6, 1948, Thursday, 12:00 noon, A. A. P. G., Pacific Section, Clark Hotel, Los Angeles, Luncheon Meeting.

May 10, 1948, Monday, 7:00 p.m., A. P. I., Coastal Chapter, Ventura.

May 11, 1948, Tuesday, 7:00 p.m., A. A. P. G., San Joaquin Geological Society, Hotel El Tejon, Bakersfield, Dinner Meeting.

May 13, 1948, Thursday, 6:30 p.m., A. I. M. E., Jr. Petroleum Group, Rio Hondo Country Club, Downey.

May 17, 1948, Monday, 7:00 p.m., A. A. P. G., Pacific Section, Geological Forum, Los Angeles.

May 18, 1948, Tuesday, 7:45 p.m., A. P. I., San Joaquin Valley Chapter, 11-C Meeting Hall, Standard Camp, Taft.

May 18, 1948, Tuesday, 8:00 p.m., A. P. I., Los Angeles Basin Chapter, Shell Recreation Hall, Signal Hill.

May 19, 1948, Wednesday, 7:30 p.m., A. P. I., Coalinga-Kettleman Chapter, Club Polvadero, Coalinga.

May 24, 1948, Monday, 7:00 p.m., A. I. M. E., Petroleum Chapter, Auditorium, Ethyl Corp. Bldg., Los Angeles.

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PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 2

May 1948

Number 5

ASSOCIATION ACTIVITIES

The annual trek of geologists to their National Convention this year in Denver got under way Friday, April 23rd. The experienced skill of the maestro of transportation, Mr. Homer Steiny, was manifest throughout, although he did not make the trip himself. Three carloads of these eminent scientists and their wives left via the Union Pacific by way of Salt Lake City. To see them off in a manner befitting the occasion, Mr. Henry Davis, of the Rapid Blue Print Co., presented each lady traveler with a beautiful orchid such as only a fancier like Mr. Davis could grow.

On Saturday the group was met in Salt Lake City by a delegation of the Rocky Mountain oil men foremost of whom was Mr. N. G. Morgan, who is a former classmate of Mr. Joe Jensen, of the Tide Water. Mr. Morgan arranged for busses to transport them to the Mormon Temple grounds where famous Tabernacle organ recital was presented for them. The acoustics of the Tabernacle was a subject of some discussion, but the pin dropping, which everyone is supposed to hear, was apparently not done for the geologists. Gossip has it that a Union Pacific railroad spike was found several years ago in the basket that holds the pins. From the Temple grounds the geological party was ushered across the street to the Hotel Utah, where they were served a buffet supper arranged by Mr. Morgan. During the dinner there were talks by Glen Ruby, Hoffman of the U.S.G.S., Mr. N. G. Morgan, Jr., and an interesting historical resume by the Salt Lake Postmaster, Mr. Bert Smoot. The busses then carried the visitors to the beautiful Utah State Capitol building, which overlooks the city where a view of the city at night was obtained. The usual mood of geologists' trips prevailed from last reports, but apparently Mr. Steiny's pretrip warning that no bottles from Mr. Walker's establishment be left behind the Sea-Gull Monument or cached away in the Temple grounds enabled the geologists to leave Salt Lake without embarrassment to Mr. Morgan and others who received and entertained them so cordially.

Somewhere along the line a theme song developed which proved to be "When it is Spring Time in the Rockies". From the warm reception in Salt Lake City, the route of the Denver & Rio Grande Railroad carried them into the Royal Gorge of Colorado, where snows and cold weather began to set in and the tune was changed. When the train finally got to Colorado Springs former Californians Ken Gow, Max Kreuger, Jim Kimble and Homer Steiny's French friend Hiram Walker De Luxe boarded the train and the party was torrentially carried on into Denver. The descendants of

Mr. Walker began to accumulate so Fay and Bill Kleinpell were appointed to study this geological problem. According to report, when the party arrived in Denver the train was all shipshape and Mr. Winham led his fellow Californians into town on time and in good condition.

In Denver the 3000 geologists and their wives transformed the city into one of warm hospitality even though the weather was cold. As the hotel situation was somewhat strained, people became better acquainted. Numerous papers of high caliber on the Rocky Mountain area were presented, but these will be reported on later.

At the regular monthly luncheon meeting held April 22 at the Clark Hotel, Dr. Gordon Rittenhouse, Associate Professor of Geology, University of Cincinnati, and an A.A.P.G. Distinguished Lecturer, discussed some phases of interpretative petrology or petrogenesis. Sedimentary rocks, he pointed out, should be examined microscopically for size, shape and orientation of grains to aid in identifying environment and for induration, permeability and porosity characteristics to better understand post depositional changes. Grain shape and roundness can roughly be plotted against distances of transportation to predict old shorelines and percentage studies can suggest source rocks. Use of thin sections in the study of sediments makes possible: (1) Examination of centers of grains; (2) Use of optical properties in determining the identity of mineral grains; (3) The study of crystalline structure of mineral grains.

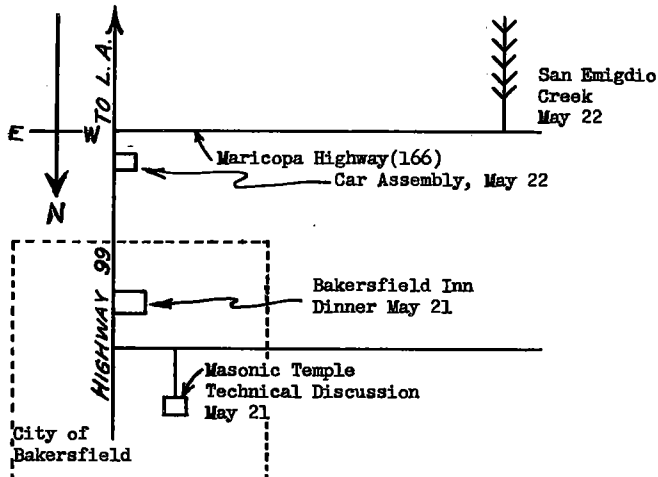
Dr. Rittenhouse concluded his discussion saying that it is his belief that sedimentary petrology is another important tool to be used in the search for oil especially in the search for stratigraphic traps.

PREVIEW ON TOPOGRAPHIC MAPPING

The Oil Map Association has been exceptionally fortunate in obtaining from the United States Geological Survey a new color and sound film entitled "Topographic Mapping." This is the only copy of the film available at present in the Western United States and portrays the details of topographic mapping by photogrammetric methods, and should be interesting and instructive to all geologists.

Mr. M. H. Kibbe, President of O.M.A. announces the film will be shown before their organization at 5:00 P.M. Thursday, May 27, 1948, in the General Petroleum Corporation auditorium, Higgins Building, Second and Main Streets, Los Angeles. If there is sufficient response evidenced, a second showing of this 90-minute film will be given at 7:00 P.M. the same evening.

An expression of attitude will be requested at the forthcoming noon-day luncheon and Geological Forum meetings preceding this date.

S.E.P.M. PACIFIC SECTION FIELD TRIPS U M M A R Y

PLACE: San Emigdio Creek (southwest portion San Joaquin Valley).

DATE: May 21 & 22, 1948.

May 21: DINNER, BAKERSFIELD, 7:00 P.M. Bakersfield Inn, \$3.25 includes tax and tip; upstairs bar and dining rooms.

TECHNICAL DISCUSSION: May 21, 8:45 P.M. Masonic Temple, 1920 18th Street.

MAY 22: FIELD TRIP, Time, 9:00 A.M.—Car Assembly service station on Highway 99, just north of Maricopa turnoff (Hwy 166). LUNCH AND COLD DRINKS PROVIDED.

D E T A I L S

MAY 21: TECHNICAL DISCUSSION—SPEAKERS

MASON HILL: (Richfield) General Geologic Summary of the San Joaquin Valley.

WILBUR RANKIN: (Consultant) Paleontology and Stratigraphy of San Emigdio Creek Area.

TED BEAR: (Consultant) Los Lobos, Apex Area.

BOB KELLY: (Continental) Outline of Field Trip.

MAY 22: FIELD TRIP—LEADERS: BOB KELLY (Continental) & JACK ANDERSON (Barnsdall).

The field trip plans to visit San Emigdio Creek back to the granite; and after lunch, if time permits, Muddy Creek in the afternoon.

S P E C I A L N O T I C E

This is the only announcement of the Field Trip. No cards will be sent out. Therefore, we must know how many people will attend the Friday night dinner and the Saturday lunch. Phone or write your reservations into the following:

Los Angeles: S.E.P.M. Secretary, Miss Cross, 215 West 7th St., Rm. 309, TU-6579.

Bakersfield: Frank Dreyer, Union Oil Co., Bakersfield 66571

Ventura: Kit Carson, T.W.A., Ventura 2154

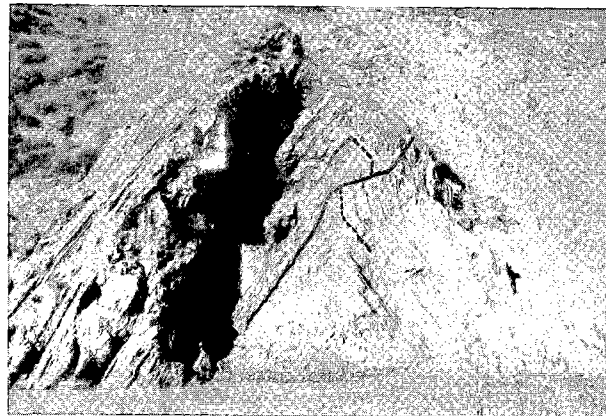
DON'T DELAY!

Each person is responsible for his own hotel reservation, so make your arrangements early as Bakersfield is a crowded area.

A syllabus covering the geology of the San Emigdio Creek will be sold to defray the expenses of the field trip.

PICTORIAL DEPARTMENT

Below is a scene well known to many local Geologists, who will remember that it is found on Ramona Anticline at the west side of Piru Creek, Ventura county (Photograph by J. B. Anderson, Continental Oil Co.).



The rocks exposed are Modelo, and the chief point of interest is the small thrust fault which is curved where it crosses the anticlinal axis. This is believed to be the result of relatively lower pressure in the axial zone resulting in a filling in by flow in soft shale and by such minor thrust faults in the more competent beds.

The question arises whether or not the mechanics which produced the curvature of the fault plane here could produce a similar curved plane on a large scale. Photographic evidence on this point would be very welcome.

RESEARCH COMMITTEE ACTIVITIES

The fourth meeting of the Pacific Section A.A.P.G. Research Committee was held on April 14th with Chairman Stanley Herold presiding. The following business was transacted according to the minutes of the meeting prepared by Herschel L. Driver, Secretary.

A letter from Dr. U. S. Grant, IV, U.C.L.A., was read, requesting funds to carry on study of Recent Sedimentation.

A letter from Dr. Francis P. Shepard, Scripps Institution of Oceanography, informally requested \$10,000 for investigation of sedimentary transportation and deposition.

Dr. K. O. Emery, University of Southern California, verbally requested \$3,000 for collecting ocean-bottom samples and as compensation for an assistant.

Mr. W. H. Corey read a prepared statement, a copy of which was to be made available for the Research Committee's representative at the Denver meeting, in which problems considered to be suitable for geologic research were outlined.

A letter of March 29, 1948, from Dr. J.T. Rouse to Dr. S.C. Herold, pertaining to summary of the procedure which the Research Committee might follow in the year 1948-49, was read and discussed.

Mr. W. P. Winham was chosen to represent our local committee at the Denver meeting. He was instructed to ascertain what procedure should be followed in the above requests for funds, how problems dealing with ancient sediments should be handled, and what means are available for the publication of a paper prepared by Dr. K. O. Emery pertaining to Recent sediments off the coast of Japan, which is now ready for publication.

EXECUTIVE COMMITTEE, PACIFIC SECTION
AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Wm. P. Winham	President
Harvey W. Lee	Vice-President
Peter H. Gardett	Secretary-Treasurer
Martin Van Couvering	Past President

PACIFIC PETROLEUM GEOLOGIST

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San Francisco Representative	Graham Moody
San Joaquin Representative	Max Capen
Ventura Representative	Wm. C. Hawk

Next Deadline: Wednesday, June 2, 1948.
For Out-of-Town Correspondents, June 1.

PERSONAL ITEMS

The Tide Water Associated Oil Co. has announced the following appointments: Claude Leach has been named senior district geologist and assistant to the manager of the department.

A. S. Holston was appointed assistant senior geologist.
William D. Cartright was appointed district geologist of the San Joaquin division and will be located in Bakersfield.
Harry M. Whaley will have offices at Santa Maria.

Les Clark, formerly of the Shell Oil Company is now with the Barnsdall Oil Company in Canada.

Pete Woods, formerly of Pacific Western, is now with the Wasatch Oil Company and is presently located at Moab, Utah. Moab will soon have the appearance of Bakersfield with Everett Pease of Amerada and Art Peterson watching wells in the vicinity.

George Patterson, formerly at Stanley and Stolz, is now with Morton and Kohlbush in Long Beach.

Bob Maynard and Stan Conrad of the Richfield Oil Co. have left for Australia to carry on the work of Mason Hill and Paul Dudley.

Barnsdall Oil Company announces new office location at 367 Haberfelde Bldg., Bakersfield, California.

George Roth, formerly senior geologist for Shell Oil Co. in Bakersfield, having been with that company for thirteen years, has now joined the firm of William Ross Cabeen and Harold Sullwold, consulting geologists.

Born to Mr. & Mrs. John Curran, General Petroleum Corporation, a first child and son on April 17th in Ventura.

Jerry J. O'Brien writes that he can be located by visitors and letter writers at 804 Milam Building, San Antonio (5), Texas, care of Jergins Oil Co.

Gene Powell of the Barnsdall Oil Company in Calgary, Alberta, writes that they have been having lovely weather-only one blizzard every fourth day. Gene's address is #4, 215 A Eighth Ave., East Calgary, Alberta.

Kenneth Robertson, formerly with Pure Oil Co. in San Joaquin Valley and Rocky Mtns., is now with the Continental Oil Co., Los Angeles office.

Frank Carter, Al Solari and Tommy Fitzgerald were elected to serve as district representatives for the Pacific Section during the coming two years. The foregoing men replace Frank Bell, Claude Leach and Dewitt Taylor, whose terms of office expire at the close of the Denver meeting. The three "hold-over" representatives from last years election are Gordon Bell, Bill Kew and Lowell Saunders.

George Dorwart, Union Oil Co., has been transferred from Santa Paula to the Whittier office.

Roe A. Gray, formerly with General Petroleum and now on loan from Socony to the Venezuela Government in Caracas, will be married next August to a girl from Texas.

The geologists in the Bakersfield area are in the process of organizing their softball team again for the new season beginning in June. All are eligible - age limit under 60.

Lanny B. Graf has recently returned to work at Standard in Bakersfield after being ill for several months.

Addison Gate, Harvard graduate, after having spent 3 years in the army and a number of months doing geology in Canada is now with Shell Oil Company in Bakersfield.

Everett Pease will leave Bakersfield shortly and spend several months in Utah for the Amerada Oil Corporation.

Otto Hackel, with Independent Exploration Co. in Bakersfield, is a proud father of a son, Jeffery Dean, born April 29, weighing 8 lbs., 9 oz.

Milton E. Loy, of Schlumberger, has left the Bakersfield office and replaced Bob Ford at Long Beach as Chief Electrical Engineer for Schlumberger's State of California Division.

Professor A.I. Levorsen, Stanford University, will speak to the San Joaquin Geological Society some time in May. The date will be announced later. The subject will be "Time of Oil Accumulation". It is the same topic which he spoke on during his recent Distinguished Lecturer tour.

Bill Geis was a welcome visitor in San Francisco last month.

Robert (Eric) Erickson has joined the geological staff of Standard of California after obtaining his B.S. at Michigan and M.S. at Wisconsin. Eric may have difficulty adjusting himself to our California climate after his long experience with the equable winters of Michigan and Wisconsin.

John Galloway tripped down from Canada for a visit in San Francisco last month. John is one of those geologists who relaxed into a presidency but he can still chat about geology.

The geologists in the Bay Region got themselves all spruced up not so long ago when they heard that numerous top-flight oil correspondents were in San Francisco. This bevy of oil writers included Bill Gregg, Ed Lloyd, Bud Campbell, Russ Palmer, Jack Westsmith, Walter Monroe, Gilbert Wilson, Dick Sneddon and Bill Green. The geologists were much deflated when they discovered that the writers were not attracted to San Francisco by exploits geological but had come to attend the California Research Corporation's open house entertainment at Richmond.

Harold Bemis, Ed Lammers, and Maurice Smith favored San Francisco with short visits last month.

BIBLIOGRAPHY OF RECENT PUBLICATIONS

°Pacific Coast Geology
°Other Articles of Special Interest

SCIENTIFIC PUBLICATIONS - JOURNALS, BULLETINS, ETC.

- A.A.P.G. Bull., Vol. 32, No. 4, April, 1948
 ° "Oil Fields of Royal Dutch-Shell Group in Western Venezuela" By Staff of Caribbean Petroleum Corporation, pp. 517-628.
 ° "Mississippian Marshall Formation of Michigan" By V. Brown Monnett, pp. 629-638.
 ° "Rapid Method for Transferring Distances from One Map to Another of Different Scale" By Joseph F. Rominger, pp. 689-690.

- Amer. Journal of Science, Vol. 246, No. 3, March, 1948
 ° "Orbicular Structures in Aplite Dikes near Romona, Calif." By Richard Merriam, pp. 129-137.
 ° "A Theory of Surface Cracks in Mud and Lava and Resulting Geometrical Relations" By L. I. Hewes, pp. 138-149.

- Geol. Soc. Amer. Bull., Vol. 59, No. 3, March, 1948
 ° "Some Further Implications of the Doctrine of Isostasy" By A. C. Lawson, pp. 197-210.

- Geol. Soc. Amer. Bull., Vol. 59, No. 4, April, 1948
 ° "Our petroleum resources" By A. I. Levorsen, pp. 283-300.
 ° "Stratigraphical Paleontology" By Raymond C. Moore, pp. 301-326.
 ° "Pushing back the history of land mammals in western North America" By Chester Stock, pp. 327-332.
 ° "Geology of the Tecopa area, southeastern California" By John F. Mason, pp. 333-352.

- Journal of Institute of Petroleum, Vol. 32, No. 290, February, 1948
 ° "Oil Shale Deposits of the World and Recent Developments in their Exploitation and Utilization" By W. H. Cadman, pp. 109-132.

- Journal of Paleontology, Vol. 22, No. 2, March, 1948
 ° "Bibliography and index to new genera, species and varieties of Foraminifera for the year 1946" By Hans E. Thalmann, pp. 193-221.
 ° "Paleontologist - Biologist or Geologist?" By Norman D. Newell and Edwin H. Colbert, pp. 264-267.
 ° "Paleontologist - Biologist and Geologist" By J. Marvin Weller, pp. 268-269.

- Quarterly Journal of Geol. Soc. London, Vol. CIII, Part 3, (Issued 31 January 1948)
 ° "Major tectonic phenomena and the hypothesis of convection currents in the earth" By F. A. Vening Meinesz, pp. 191-207.

TRADE JOURNALS AND MISCELLANEOUS MAGAZINES

- Oil and Gas Journal, Vol. 46, No. 47, March 25, 1948
 ° "A Study of Cycling operations in the West Austin Sands of Stratton-Agua Dulce, Texas" By C. B. Johnson, Jr., and F. H. Dotterweich, pp. 112-115.

- Oil and Gas Journal, Vol. 46, No. 49, April 8, 1948
 ° "Mountain Provides Operating Clues for Huge Limestone Field" By H. S. Gibson, pp. 48-49.

- Petroleum Engineer, Vol. 19, No. 6, March, 1948
 ° "Airborne Magnetometer Survey Completed" p. 86.

- Petroleum Engineer, Vol. 19, No. 7, April, 1948
 ° "Production and Disposition of Natural Gas by California Producers" By E. K. Parks, pp. 58-76.
 ° "Operating Problems in the Gulf Tidelands" By K. Marshall Fagin, pp. 181-186.

- World Oil, Vol. 127, No. 13, April, 1948
 ° "Character of Pores in Oil Sand" By Harry M. Ryder, pp. 129-135.
 ° "Exploration Spurred by Showings in Southern France" By E. N. Tiratsoo, pp. 215-217.

CALENDAR

May 3, 1948, Monday, 7:30 p.m., A.I.M.E., Metals Group, Auditorium, Ethyl Corp. Bldg., Los Angeles.

May 6 & 7, 1948, Thursday and Friday, A.P.I., Division of Production, Pacific Coast District, Annual Convention, Willmore Hotel, Los Angeles.

May 10, 1948, Monday, 7:00 p.m., A.P.I., Coastal Chapter, Ventura.

May 11, 1948, Tuesday, 7:00 p.m., A.A.P.G., San Joaquin Geological Society, Hotel El Tejon, Bakersfield, Dinner Meeting.

May 13, 1948, Thursday, 6:30 p.m., A.I.M.E., Jr. Petroleum Group, Rio Hondo Country Club, Downey.

May 17, 1948, Monday, 6:30 p.m., A.I.M.E., Pacific Section, Acme Brewing Co., Los Angeles, Field Trip.

May 17, 1948, Monday, 7:00 p.m., A.A.P.G. Pacific Section, Geological Forum, Los Angeles.

May 18, 1948, Tuesday, 8:00 p.m., A.P.I., Los Angeles Basin Chapter, Shell Recreation Hall, Signal Hill.

May 19, 1948, Wednesday, 7:30 p.m., A.I.M.E., Mining and Milling Group, Harris Hall, U.S.C., Los Angeles.

May 19, 1948, Wednesday, 7:30 p.m., A.P.I., Coalinga-Kettleman Chapter, Club Polvadero, Coalinga.

May 21, 1948, Friday, 7:00 p.m., S.E.P.M., Bakersfield Inn, Bakersfield, Dinner.

May 21, 1948, Friday, after dinner (see above), S.E.P.M., Masonic Hall, Bakersfield, pre-Field Trip Discussion.

May 22, 1948, Saturday, 9:00 a.m., S. E.P.M., intersection U.S. Highway 99 and Maricopa Highway, Field Trip.

May 27, 1948, Thursday, 7:30 p.m., A.I.M.E., Industrial Minerals Group, So. Calif. Gas Co. Auditorium, 810 South Flower St., Los Angeles.

June 4, 1948, Friday, 4:00 p.m., A.A.P.G., Pacific Section, Annual Pico Canyon Picnic, Pico Canyon, Newhall Area.

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P. L. & R.

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PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 2

June 1948

Number 6

ASSOCIATION ACTIVITIES

One June 10th the Pacific Section will hold a luncheon meeting at the Clark Hotel. Earl Noble will review the Annual Convention at Denver. Bill Winham will discuss Pacific Section affairs, and Gordon Bell will speak about classes of membership.

The Geological Forum will meet June 21st at 7:00 PM at the General Petroleum auditorium. Irv Fraser, chairman, has secured the following speakers for the program. Douglas M. Kinney, of USGS will give an illustrated talk on the geology of the Uinta Mountains near Vernal, Utah. Art Huey will discuss the oil and gas fields of Montana. The third paper, by Lloyd Calhoun is entitled "Electronics in the Oil Industry", and includes a discussion of the Magnetector and bottom hole pressure surface recorder.

At the previous meeting of the Forum, April 19th at UCLA, the geology of the Ruhr and Saar coal fields was discussed by Dr. McCabe. Dr. K. C. Emery talked on the distribution of sediments on the eastern Asiatic continental shelf. The exceptional colored slides of scenic Western United States and Canadian Rockies which were exhibited by Mr. Paul Love were so thoroughly enjoyed that it is to be hoped that he will present more of his collection at some future meeting.

At the Denver A.A.P.G. convention in recognition of his outstanding contributions to petroleum geology, the Association presented to Dr. A. I. Levorsen, Dean of the School of Mineral Sciences at Stanford University, the Sidney Powers Memorial Medal Award.

Among the many fine papers presented, one by V. F. Parry of the U. S. Bureau of Mines offered a challenge to the geologist. Statistics based on trends in demand and supply suggest that by 1955 liquid fuels synthesized from the non-coking coals of the Western states will be required to supplement fuels made from petroleum. By the year 2000, at least 53 billion barrels of imported oil or synthetic oil will be consumed in addition to the 50 billion barrels of oil which are expected to be discovered by that time. After Mr. Parry outlined the vast personnel, transportation facilities and steel necessary to mine the 20 billion tons of coal or 75 billion tons of oil shale and convert it into liquid fuels, the advantages of petroleum as a cheap source of energy were quite apparent.

Those who attended the post-convention field trip which included a visit to the U. S. Bureau of Mines shale oil plant at Rifle had the opportunity to see both the mining and kero-gen conversion process which sometime may provide an important addition to our liquid fuel supply. The dark brown siliceous banded Green River shale from which 70 gallons of oil per ton can be extracted, is similar in appearance to the highly organic facies of the Monterey shale of California. It has such great strength that it can be mined without timbering altho the underground "quarry" has unsupported spans of 60' alternating with 60' pillars. Diesel trucks

enter the quarry by means of tunnels driven into the side of the mesa and are loaded by electric shovels. This procedure is responsible for the low mining cost of 60¢ per ton. The oil shale expends from 10 to 15% of its organic content in providing heat for the batch retorting process. The Bureau is now experimenting with a continuous feed process which may be even more efficient and which will increase the efficiency and capacity of the plant. A refinery is now being built to process the oil recovered by the retorting plant.

A rough estimate that possibly 150 billion barrels of oil will be eventually produced in the basin that includes Eastern Saudi Arabia and Iraq, offers the possibility that a petroleum shortage might be averted.

A very interesting paper was presented on the Leduc field in Canada, with its estimated 100,000,000 barrels of reserves in a laccolith-shaped coral reef completely surrounded by shale.

The annual S.E.P.M. field trip was a big success with approximately 200 in attendance. On the evening of May 21st, after a dinner at the Bakersfield Inn, the group was addressed by Mason Hill, Wilbur Rankin and Bob Kelly. The latter and Jack Anderson led the field trip the following day to San Emidio creek where interesting fault relationships, overturned beds, and the spectacular Devil's Kitchen Syncline were noted. Granite boulders from the size of a pumpkin to the size of an automobile were observed miles from the outcrop to the South, showing the enormous transporting power of the flash floods that have in the past poured down this creek.

Our thanks to Ted Lee, President of the Society and his hard-working committee consisting of Bert Ellison, Louis Simon, Frank Dreyer and Douglas Crawford. Thanks also are due the Kern County Land Company for permission to enter the area, and the Rapid Blueprint Company for its courtesy in furnishing the maps. Especially do our thanks go to the Shell Oil Company for providing the food. After some of the same faces appeared in the food line for the third time and in the beer line for the sixth time, it was apparent that our host was not only a good provider but that it had adequately judged the liquid-consuming capacity of the Society and its guests on a warm day.

The Geological Society of UCLA held a dinner meeting on May 18th. This affair brings together the graduate and post graduate geological students and introduces them to members of the Geological profession. The Toastmaster Mr. Frank Parker admonished the speakers to restrain themselves because of the presence of a few ladies and not use profanity except where it was a direct quotation from the bible or in discussing company management. When Bill Pemberton was asked to speak, some of us, with the above restriction in mind, thought he would be pretty well tongue-tied, but to our surprise he conformed to the Toastmaster's request and gave an excellent bit of advice to the graduating geologists by telling them that no matter how bad things looked they could always be worse. When Bill graduated it was only necessary to look through 2000 feet of opaque

minerals to envisage the geological conditions but now that 14,000 foot wells are being completed the young geologist finds his work more perplexing and will no doubt draw some solace from the above philosophy.

On May 7th a Stanford field trip consisting of 70 students and four faculty members held a meeting at the Standard Oil Company Recreation Hall at the North Dome of Kettleman Hills. Martin Vancouver discussed the early history of Coalinga and Kettleman Hills region and also the Armstrong lawsuit. Other talks by some of the Standard personnel included the discussion of drilling and production operations. Mr. Curry talked about the K.N.D.A.

At the May luncheon meeting of the Pacific Coast Southern Section of the Society of Exploration Geophysicists, held at the Clark Hotel in Los Angeles, brief reports were given on the annual A.A.P.G., S.E.P.M., and S.E.G. convention held in Denver. Dean Walling reported on the business meeting; Carl Gerdes and Curtis Johnson presented highlights of some of the papers of greatest interest to geophysicists. Discussion on the feasibility of regular monthly meetings was led by Maynard Harding.

SOCIETY OF EXPLORATION GEOPHYSICISTS

The summer meeting of the Pacific Coast Section of the S.E.G. will convene at the El Tejon Hotel, Bakersfield, at 2:00 P.M., June 18, 1948, for an afternoon symposium, a dinner, and an evening meeting.

The afternoon session will be devoted to a symposium on "Location of Faults by Geophysical Methods", with the meeting opened to general discussion after each speaker. Two papers will be read by their authors:

Mason Hill, Richfield Oil Co., "Faults - Their Character, Classification and Importance".

Miller Quarles, Jr., United Geophysical Co., "Fault Interpretation in Southwest Texas".

Prepared short reports will also be given by:

R. C. Dunlap, Geophysical Service Inc.
Dean Walling, Western Geophysical Co.
William N. Booth, Consultant
O. F. Van Beveren, Standard Oil Co., of California
N. J. Lea, The Texas Co.

After dinner, Herbert Hoover, Jr., President, United Geophysical Co., will speak on "Exploratory and Economic Aspects of Oil Development in Alaska".

Reservations for dinner scheduled for 7:00 P. M. should be made by June 16 with L. B. Snedden, The Texas Co., Bakersfield or M. W. Harding, United Geophysical Co., Los Angeles. Dinner will be about \$2.25 per plate.

PICTORIAL DEPARTMENT

The picture of a minor thrust fault crossing the Ramona anticline published last month has evoked some comment. Robt. H. Paschall writes from Ventura as follows:

"In the May 1948 issue of the Pacific Petroleum Geologist there is a photo of a thrust fault flattening as it crosses an anticlinal axis, accompanied by a request for photographic evidence bearing on such a structural relationship on a larger scale. I rather imagine such a thing would be very difficult to obtain, even if it existed in outcrop; however, the general principle suggested to me the cross-section of the Ventura Avenue oil field as published on page 55 of the AAPG-SEG-SEPM Field Trip Guide Book of March 1947. Certainly that principle seems to be manifested in the cross-section cited. There is at least one other Ventura Basin oilfield, on which the data are unpublished, in which there is marked flattening of a major thrust fault as it crosses a fold axis."

Don Hillis presents an explanation for the flattening of the fault plane, as shown in the picture of Ramona anticline, as follows:

"When a fault passes thru soft beds which fracture equally well in any direction it follows the course dictated by the forces which produced it. When it passes thru hard strata at an oblique angle the direction changes by a compromise between the direction the fault would like to follow and the direction perpendicular to the hard beds which will most easily fracture them. Since the latter were vertical, the fault shifted from a 60 degree dip to a 20 degree dip in order to fracture them more easily and then resumed its normal course. Other instances of this have been noted."

COAST GEOLOGICAL SOCIETY

Early in April a meeting of geologists and petroleum engineers was held in Santa Barbara for the purpose of having W. H. "Bill" Geis clarify the position of the geologist under the Engineers Registration Act. At this meeting steps were taken toward the formation of a permanent society. The details of organization and the formulation of policy were placed in the hands of a committee consisting of J.F. Curran, Chairman, Aden Hughes, R.N. Williams, and W.R. Merrill.

Present plans call for a dinner meeting to be held at Eaton's Restaurant in Santa Barbara on the second Monday of every other month. The first of these meetings will take place on June 14th.

Three short papers will be presented at each meeting. If possible, these will consist of a geological topic, an explanation of a recent development in oilfield tools or methods, and a topic of general interest.

Geologists and petroleum engineers not residing in the coastal area are cordially invited to attend these meetings. Further information may be obtained from any of the above named committee members.

Early History of the Pacific Section

The coming Fall Meeting of the Pacific Section A.A.P.G. will be the Twenty-Fifth Annual Convention held by Pacific Coast Petroleum Geologists. A brief review of history of activities during the early years of this quarter of a century appears to be in order. The following was graciously provided by Mr. Frank Hudson - additional information regarding early officers and meetings will be published in subsequent issues of the Pacific Petroleum Geologist. Any suggestions from "old timers" who were there will be gratefully received.

P. H. Gardett

THE FOUNDING OF THE PACIFIC SECTION

The many activities of A.A.P.G. are now furthered by three chartered sections, twenty-eight affiliated societies, and a chartered division, the S.E.P.M. The founding of the Pacific Section is interesting, not only because it is our section, but also because that was the first step in the wise plan of the Association to provide means of keeping in touch with the wide-spreading roots of the profession.

The idea of a local society of A.A.P.G. members had its origin in the San Francisco Bay area. Early in 1924, Earl Gaylor brought word to Los Angeles that he had discussed the subject with Roy Collom, who was then our regional director, J. A. Taff, and the Gester brothers. Earl enlisted the services of Frank Hudson to promote the idea in southern California. Meetings of local members at Los Angeles and San Francisco, in June, resulted in the appointment of Roy Collom, Howell Gester, Ralph McCollom, Bob Moran, Dan Nolan and J. A. Taff to a committee to prepare by-laws for a California association of A.A.P.G. members, designed to become a local section of the national society, and to make arrangements for a technical and business meeting at Los Angeles in the fall.

During this meeting, held September 26 and 27, 1924, the members in business session, with Frank Hudson temporary chairman, formed the Pacific Society of Petroleum Geologists and elected Howell Gester chairman and Roy Morse secretary-treasurer. The technical papers covered a great variety of subjects, from California through Alaska to China, and from well spacing through geology to oilfield waters. The maximum attendance at the technical sessions was 130, and 101 were at the dinner. The registration list shows 49 A.A.P.G. members and 60 guests. The names of the latter make particularly interesting reading, as the majority have since become members and many proved to be very active members.

Early in 1925 a petition that the Pacific Society be constituted a regional section of A.A.P.G. was directed to the national organization. This petition was accepted at the national convention at Wichita, March 26, 1925, and the Pacific Section became the first chartered section of A.A.P.G.

During the year 1924-25 a total of 97 members paid dues to the Pacific Section. To date this year the Pacific Section has a total paid up membership of 525.

EXECUTIVE COMMITTEE, PACIFIC SECTION
AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Wm. P. Winham	President
Harvey W. Lee	Vice-President
Peter H. Gardett	Secretary-Treasurer
Martin Van Couvering	Past President

PACIFIC PETROLEUM GEOLOGIST

Published monthly by Pacific Section, American Association of Petroleum Geologists. Address communications to Pacific Petroleum Geologist, Room 700, 601 W. 5th Street, Los Angeles 13, California.

Editor:	Hugh McClellan
Assistant Editor:	Stanley Siegfus
Department Editors:	
Activities:	Donuil Hillis
Personal Items:	Ted Bear
Selected Bibliography:	John Crowell
Calendar:	Jack Knight
San Francisco Representative	Graham Moody
San Joaquin Representative	Max Capen
Ventura Representative	John Curran

Next Deadline Friday July 2, 1948.
For Out-of-Town correspondents, July 1.

PERSONAL ITEMS

Robert W. Clark, Chief Geologist for Western Gulf Oil Company, passed away at his home in Arcadia, Saturday, June 5th, after an illness of several months. Bob Clark came to California for Western Gulf in 1938 and since then has been an ardent supporter of California geologists and their activities. He will be missed by his many friends.

The Humble Oil and Refining Company announce the following geologists will be located in California: J. Ben Carsey will be in charge of their operations in California. Hunter Yarborough, Joe B. Hudson and James R. Jackson Jr., surface and subsurface geologists and John W. Anderson Jr., scout.

Frank Hudson formerly chief geologist with the Shell Oil Company and later with the Yuba Consolidated Gold Mines is now a consultant for The Capital Company.

Burt Ellison, who has been with the Standard Oil Company in Taft for fourteen years, has resigned to open a consulting office in Bakersfield. Burt has been the geologist for the Unit Operation at Elk Hills for the past two years.

Lew Heintz, formerly with the Pacific Western Oil Corporation, has resigned to accept a position as geologist with the Crown Oil Company.

John Weise will leave the U.S. Geological Survey July 1st to go with the Richfield Oil Company at Bakersfield.

John Loofbourof of the Barnsdall Oil Company is now in charge of the Geological Department.

Bob Orwig has accepted a position with the General Petroleum Corporation and will go to work after June 21st when he completes his Master's thesis at UCLA.

Glen Ledingham has been transferred from Bakersfield to Los Angeles where he will be Chief Geologist for Western Gulf Oil Co.

W. J. Miller, professor of geology at UCLA is retiring at the close of this school year. Dr. Miller taught geology for 48 years, 24 of which were at UCLA.

Paul Hays of the Capital Company has been transferred to Bakersfield.

Dr. Chester Stock of Cal-Tech was elected to the National Academy of Sciences on April 27th.

Bill Hawk has been transferred to the Houston office of the Continental Oil Co. Prior to his departure on May 30th the geologists in the Ventura area held a "farewell" dinner in his honor and presented him with a briefcase to transport Conoco's top secret info around the country with him.

Hank Neel, Tidewater Assoc. Oil Co., was recently elected a member of the Oxnard High School board.

Harry Whaley of Tidewater has been transferred to Santa Maria.

F. R. (Dutch) Schneider, Coastal Division manager for the Shell Oil Co. during the past nine years, will take up the duties of manager of the San Joaquin Division on June 15th.

R. J. Kettenberg, Shell Oil Co., has been transferred to New York.

Donald B. Priest, Gen. Pet. Corp., has assumed the duties of Assistant to the Superintendent, Coastal Division. His place in the Geological Dept. has been filled by A. P. Bowie, formerly in the Bakersfield office.

Bill Elmore, also with GP, is now working in Santa Maria.

Dwight Fortine is now up and around and feeling much better after a serious operation. We all wish you a speedy recovery and return to your job.

General Petroleum Corporation announces the following moves in their Engineering Department: Bob Quinn has been transferred from Los Angeles to Taft.

Byron Webb has been transferred from Taft to Los Angeles.

Bill Elmore has been moved from Los Angeles to Santa Maria.

Bill Charles has resigned from the Belridge Oil Co. and is now with Pacific Western Oil Corporation in Bakersfield.

Bob Herron, with C.C.M.O., is being transferred from Bakersfield to Amarillo, Texas. He will be with a Santa Fe subsidiary.

Alex Sarad is a new addition to C.C.M.O. office force in Bakersfield.

Roy Fletcher, with Texas Co. in Bakersfield, has taken a three months leave of absence in order to take care of some personal business in Chicago.

John Christensen, who graduated from University of California in 1940 and then spent 4½ years as a Lieut. in the Navy, is now with British-American in Bakersfield.

The Oceanic Oil Co., Bakersfield office has moved to 301 Haberfelde Bldg.

Maurice Smith, of Standard Oil Co. Geophysical Dept. in Bakersfield, is leaving for Arabia about June 1st.

Tenant Brooks became a proud father of another boy on May 19th, David Robert, weighing 8 lbs., 2 oz.

It is reported that Harold Hoots, while working in Ventura County recently, was attacked by a horde of large red ants. Harold attempted to repel the invasion single handed, but the battle became so hot that he was forced to bare the field of action and call up the reserves, consisting of two assistants, who dashed to the rescue, armed with any weapons available (presumably geologists picks). Their timely arrival soon turned the tide of battle, the enemy was routed, and quiet and dust once more descended upon the scene.

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°Other Articles of Special Interest

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CALENDAR

7, 1948, Monday, A.I.M.E., Metals Group, Field Trip,
Unsolidated Steel Corp. Plant.

June 10, 1948, Thursday, 12:00 noon, A.A.P.G., Pacific
Section, Clark Hotel, Los Angeles, Luncheon Meeting.

June 10, 1948, Thursday, 12:00 noon, A.I.M.E., Petroleum
Chapter, University Club, Luncheon Meeting.

June 10, 1948, Thursday, 6:30 p.m., A.I.M.E., Jr. Petroleum
Group, Rio Hondo Country Club, Downey.

June 11, 1948, Friday, 5:00 p.m., Scouts' Picnic, Shell
Recreation Park, Bakersfield.

June 21, 1948, Monday, 7:00 p.m., A.A.P.G., Pacific Sec-
tion, Geological Forum, G. P. Auditorium, Higgins Bldg.,
Los Angeles.

June 22, 1948, Tuesday, 7:45 p.m., A.P.I., San Joaquin
Valley Chapter, Bakersfield Inn, Bakersfield.

June 28, 1948, Monday, 7:00 p.m., A.I.M.E., Petroleum
Chapter, Auditorium, Ethyl Corp. Bldg., Los Angeles.

July 13, 1948, Tuesday, 7:00 p.m., A.A.P.G., San Joaquin
Geological Society, Hotel El Tejon, Bakersfield, Dinner
Meeting.

July 20, 1948, Tuesday, 7:45 p.m., A.P.I., San Joaquin
Valley Chapter, 11-C Meeting Hall, Standard Camp, Taft.

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P. L. & R.

PACIFIC PETROLEUM GEOLOGIST
PACIFIC SECTION, A.A.P.G.
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601 WEST 5TH STREET,
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Chico
California

PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 2

July 1948

Number 7

ASSOCIATION ACTIVITIES

At the last regular monthly luncheon meeting of the Pacific Section of the A.A.P.G. which was held at the Hotel Clark on June 10th, Earl Noble gave a digest of some of the discussions that had occurred concerning association affairs during the annual meeting at Denver. When the nominating committee offers only one name for each office, it has deliberated upon the qualifications of the candidate and believes he is better suited for the position than any other. It therefore does not wish to suggest a second candidate for an office. This is objectionable to many of the members because they have no choice in an election. It has been pointed out that additional candidates can be added to the ballot by petition by getting the signatures of 50 members in good standing.

It has been suggested that in order to confine the annual convention papers to those which are of national importance, they should first be given locally and criticised. This procedure would not only permit the selection of outstanding papers but in some cases constructive criticism would suggest improvements. Some of the papers of the Society of Exploration Geophysicists at the annual meeting were of considerable interest to geologists but were missed because of conflicting important A.A.P.G. papers and vice versa. The proposal has been made that these two meetings stagger their meeting times by one hour so that the members of one society can attend some of the papers of the other.

The next national meeting will be in St. Louis.

Gordon Bell talked about the possibility of classifying the members in three groups. Besides regular members, there could be associate members who do not have the geological qualifications to be regular members but who are interested in joining the association because of its relation to some allied science in which they are specializing. A third class would be the junior members which would include geology students.

The Geological Forum held a meeting on June 21st. The next one will meet on July 19th at 7 p.m. at the General Petroleum Corporation auditorium in the Higgins Building. The program will be announced later by card.

The Coast Geological Society met at Eaton's Restaurant in Santa Barbara on the evening of June 14th. A paper was given by Robert Ryan on Ventura County's Water Problems. R. T. Harcus talked on gun perforating with shaped charges. W. W. Rand described the geology of Santa Cruz Island. The next meeting of the society will be on August 9th at the same place.

On June 18th at the El Tejon in Bakersfield, the Pacific Coast Section of the Society of Exploration Geophysicists held a symposium on the location of faults by geophysical methods. Among the several excellent papers presented during the afternoon was one by Miller Quarles which showed seismograph profiles in southwest Texas where very gently dipping beds were cut by normal faults of 45 degree dip according to the interpretations offered. A number of these were well illustrated by a combination of discontinuities on correlative reflections, the absence of reflections in a zone on the footwall side of the fault plane and by slight reversals due to drag.

After the dinner in the evening Herbert Hoover, Jr. told of the progress of oil exploration in the Naval Reserve in Alaska. It has been found possible to work in temperatures of 50 degrees below zero except during times of storm or during the month of September when the ice on the lakes is too thin for skis and too thick for the pontoons of the planes which play such an important part in the operations. The reserve includes about 35,000 square miles within which lies a fairly deep sedimentary basin of Cretaceous, Triassic and Jurassic beds. Oil seeps are present and there is one small oil well producing in excess of 20 bbls. per day from a depth of 350'. The possibilities for production are being explored by geophysical methods in the alluvium covered areas and by surface geological mapping where outcrops appear. Prospects are being tested with wells which are being drilled in spite of the cold. Water for rotary operations is carried in tanks which are enclosed on sleds and heated.

Chairman Stanley Herold announces the A.A.P.G. Research Committee will recess during the summer. At the last meeting held May 19th, Mr. W. P. Winham, our local Research Committee representative, reported on the meeting of the A.A.P.G. Research Committee held April 26 during the National Conference in Denver.

Mr. Winham reported that the requests for funds for investigations of Recent sediments, made by Dr. U. S. Grant IV, U.C.L.A.; Dr. Francis P. Shepard, Scripps Institution of Oceanography; and Dr. K. O. Emery, U.S.C., were approved for submission to the A.P.I. for their decision. The funds available thru A.P.I. are limited to investigations of Recent sediments.

Dr. John T. Rouse, Chairman of the A.A.P.G. Research Committee, expects to advise the various local committee chairmen of plans for the investigation of ancient sediments as soon as these plans are formulated.

Dr. A. I. Levorsen mentioned that a digest of the Cretaceous of the West Coast was being prepared at Stanford University.

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Next Deadline Tuesday August 2, 1948.
For Out-of-Town Correspondents, Aug. 1.

A.A.P.G. MIDYEAR MEETING

Pittsburgh, Pa., October 4 to 9, 1948

AGENDA

October 4 and 5: Technical sessions to be held in the William Penn Hotel, with emphasis on Appalachian geology.

October 6, 7 & 8: Field trip to Harrisburg, Rochester, Niagara Falls and Bradford, Pa., where a banquet and conference on secondary recovery at Bradford will be held Friday evening.

STATE CIVIL SERVICE EXAMINATION

An examination for Assistant Geologist will be held on August 14, 1948 at Sacramento, San Francisco, Los Angeles and perhaps other places. Final date for filing applications is July 24, 1948. The salary range is \$341.00 to \$415.00. per month. Further information and application blanks may be obtained from State Personnel Board in Sacramento, San Francisco or Los Angeles or at local Department of Employment offices.

CALENDAR

July 13, 1948, Tuesday, 7:00 p.m., A. A. P. G., San Joaquin Geological Society, Hotel El Tejon, Bakersfield, Dinner Meeting.

July 19, 1948, Monday, 7:00 p.m., A. A. P. G., Pacific Section, Geological Forum, G. P. Auditorium, Higgins Building, Los Angeles.

July 20, 1948, Tuesday, 7:45 p.m., A. P. I., San Joaquin Valley Chapter, 11-C Meeting Hall, Standard Camp, Taft.

August 10, 1948, Tuesday, 7:00 p.m., A. A. P. G., San Joaquin Geological Society, Hotel El Tejon, Bakersfield, Dinner Meeting.

August 17, 1948, Tuesday, 7:45 p.m., A.P.I., San Joaquin Valley Chapter, Bakersfield Inn, Bakersfield, California.

PICTORIAL DEPARTMENT

The picture below was taken by Martin Van Couvering on the occasion of the S.E.P.M. field trip in San Emigdio Canyon last May. Those who were there will recognize the site of the noon lunch near Devils Kitchen syncline. The photograph was positively taken before mess call, thus proving that the condition of the building cannot be ascribed to the rush for refreshments.



In the foreground two geologists may be seen resting on the ground while in the background the Tejon formation is resting on the basement complex. Sandstone is at the base and a thin conglomerate occurs a few feet above, reversing what is commonly thought to be the usual sequence.

CHANGE OF DIRECTION OF FAULT AT FOLD AXIS.

Frank B. Kelsey, consulting geologist of Canoga Park, Calif., writes as follows:

"Anent the change of direction of a thrust fault as it crosses the axis of an anticlinal fold - the the mining district of Bendigo, Victoria, Australia provides an example on a fairly large scale.

The Paleozoic slates and sandstones have undergone moderately tight and especially regular post-Silurian folding along northerly trending axes. The anticlines are nearly symmetrical and the limbs dip as much as 70°. The axial region of gentle dip is only about 30 feet wide and the folds from crest to crest about 900 feet.

These folds have been out by reverse faults which coincide with the bedding planes on the steep flanks, but through the axes of the folds the faults flatten somewhat and then continue upward through the beds of the adjacent limb.

One explanation for this change in direction is that at the axial region the fault passes across the more brittle direction of the slate. This is in accordance with Hartman's Law that if stress with a large horizontally acting component produces a reverse fault, the fault should flatten or have a lower angle of dip on passing into a more brittle rock.

The "saddle reef" deposits of gold bearing quartz which are typical of Bendigo, are at least indirectly associated with these faults."

PERSONAL ITEMS

G. Dallas (Doc) Hanna retired from Tide Water Associated on June 1st. He is now devoting his entire time to the California Academy of Sciences. He will be in full charge of construction at the Planetarium.

It has come to our notice recently that geology and mining students at Stanford lead a most interesting and active existence. Some of the things that happened to these students during the closing weeks of the college year are described briefly as follows:

Sixty-three students from the School of Mineral Sciences, Stanford University, had a 3-day trip to Kettleman Hills and the Coalinga district. They were guests of Standard of California and the K.N.D.A. for a whole day during which time members of the staffs of those organizations lectured on various problems involved in developing and producing Kettleman Hills. Mr. Martin Van Couvering, furthermore, made a trip up from Los Angeles to discuss for these students the early history of the Kettleman-Coalinga region and the famous Armstrong law suit. Other interesting features of the 3-day trip were visits to Tar Canyon, the New Idria Mine and the Standard of California laboratory at Taft.

The School of Mineral Sciences, Stanford University, held its annual spring picnic on San Francisco Creek near Palo Alto on a Saturday afternoon. Over 100 adults and quantities of children were present. The hardrock geologists lost to the softrock geologists in a soft-ball game in which 20 to 30 participated on each side. The day finished off with beer and eats. (Editorial query: Do all Stanford children drink beer?)

Thirty-five students in petroleum geology and petroleum engineering were guests of the Honolulu Oil Corporation in San Francisco one Wednesday afternoon. Top Honolulu executives told these 35 students some of the management problems of the modern oil company.

The activities mentioned above will convince some old timers that they missed a lot during their college days. The present-day curriculum even provides pleasant vacations for students and professors as indicated by the following news item:

The Stanford Geological Survey will conduct its summer camp from June 14 to July 16 in an area north of Santa Barbara and will move on to central Nevada where they will map an area near Candelaria from July 19 to August 20. The staff consists of Assoc. Professor Ben M. Page, in charge of the Survey, and his assistants will be Assoc. Professor Julian D. Barksdale, Instructors Earl F. Cook, Frederic R. Kelley, Jay G. Marks, Ellis E. Roberts and Cutler Webster, and J. C. Thompson, Camp Manager.

Bill Kew and Mrs. Kew are either on the high seas or have already arrived at London for the International Geological Congress. Bill thinks it is a waste of travel time to stay only a short while in a place as far away as Europe and for this reason he plans to spend 3 or 4 months visiting around at various points within reasonable distance of England. Mrs. Kew likes this idea too.

Robert E. Anderson of the Signal Oil and Gas was recently wed to the former Ruthelen List of San Marino.

A Bay Area geologist who inclines toward research completed two weeks of intensive investigation of a problem on July 5th. The problem concerned relaxation or more specifically: is relaxation more complete in prone position face up or face down on the sand beach at Lake Tahoe. This geologist reports that tests were inconclusive, that he will pursue further research on this question later in the summer and that he wonders if other geologists have experimental data on this line of research.

Henry Salvatori was conspicuously absent among the Western Geophysical brethren at the Denver Convention recently. Interviewed in Los Angeles, he explained that conventions come along every year but little Salvatoris are few and far between: Daughter, Laurie Ann, born May 4, 1948; congratulations Henry.

William H. Madill, graduate student at Stanford in 1947, is now employed by Seaboard Oil Company in Bakersfield. Prior to entering Stanford he spent some time in the Army Air Corps.

Lesh Forrest, formerly District Geologist for C.C.M.O. in Bakersfield, is now with General Petroleum as District Geologist for San Joaquin Valley.

Walter F. Gerhard, who just recently graduated from Oregon State, is now with Amerada Oil Corporation in Bakersfield. Prior to his present position he spent four and one-half years in the Army Engineering Corps.

Mel Hill of Bakersfield, is now District Geologist for Western Gulf in the valley.

Paul McGovney, Honolulu Oil Corporation, is spending a few months away from dust laden San Joaquin Valley, this time doing a little work around Calgary, Canada.

Kenneth Myron, graduate student at U.C.L.A., is now employed by Texas Company in Bakersfield. Prior to this he spent three and one-half years in the Army Air Corps.

Darrel Kirkpatrick is now District Geologist for C.C.M.O. in Bakersfield.

Everett Pease, Amerada Oil Corporation, became the proud father of another girl, Susan Gayle, born June 29th and weighing 8 lbs. 2 oz.

Rod Colvin of the General Petroleum Corporation has been transferred from Los Angeles to the Bakersfield Geological Office.

Orin Gilbert of the Standard Oil Company had the unfortunate experience of an automobile accident the first day of his vacation. Orin came out with a couple of broken ribs which are on the mend.

Dwight Fortine of the Barnsdall Oil Company is back on the job.

A.A. "Duke" Curtice was a recent visitor in Los Angeles on his way to Alaska.

George Quick of the Union Oil Company, Rocky Mt. Division, was a recent visitor in Los Angeles.

Andy Bengston of the Standard Oil Company Geophysical Dept. will soon be married.

Bob Kelly of the Continental Oil Co. recently passed cigars. The big event was announced on the cigar band: "Its a Girl".

Harry H. Hurd, Continental Oil Company, who was transferred last year to Ponca City, has been promoted to district geologist at Ponca City.

Paul McGovney, Honolulu Oil Company, has been transferred from Bakersfield to Alberta, Canada.

F. A. Graser has been appointed chief geologist for the Cleveland Oil Company. Graser was Associate Professor of Petroleum Engineering at Missouri School of Mines. Previous to his appointment at Missouri, he was with the Division of Oil and Gas and later a Consultant.

George Davis, recently associated with Eastman Oil Well Survey, has accepted an appointment with the U.S.G.S.

Tom Wilson, who recently graduated from the University of Redlands, is now employed by the Ohio Oil Company.

Bob Baker, also a Redlands' graduate, is working for the Shell Oil Company.

Maynard Harding of United Geophysical is the S.E.G. chairman for the fall meetings in Pasadena.

Max Birkhauser of the Shell Oil Company has just left with his family for a vacation in Switzerland. He will return in September.

General Petroleum Corporation announces that the title of the Geological Dept. has been changed to the Exploration Department. Carroll Wagner is Director of Exploration. Frank Carter and Nevin Shade are Assistants to the Director of Exploration. Dave Hobson is Supervisor of Exploration for the Pacific coast states. Vic King is supervisor of Exploration for the Rocky Mts. area. Elmer De Maris is supervisor of Exploitation.

Harry Feder, formerly with the Tidewater Associated Oil Co., is now in the geological department of the C.C.M.O. Oil Company.

Amerada Petroleum Corporation has hired the following men:

A. T. Anderson from Stanford for the Los Angeles office. Andy Widos from Stanford for the Bakersfield office.

J. B. Anderson of the Continental Oil Company has been transferred to Louisiana. Jim will be district geologist at Shreveport.

E. D. Sherman, who is associated with his father, "Dick" Sherman, was recently wed to the former Kathleen Laura Breslin.

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"Exploration in the Dakota Basin" By Dr. John Paul Gries, pp. 121-126.

PACIFIC PETROLEUM GEOLOGIST
PACIFIC SECTION, A.A.P.G.
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PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 2

August, 1948

Number 8

ASSOCIATION ACTIVITIES

The July meeting of the Geological Forum was held on the 19th at the General Petroleum Auditorium, Rolfe Johnson of Barnsdall, chairman. The hall was filled to overflowing by geologists who expected an interesting program and were not disappointed.

J. Ben Carsey of Humble Oil & Ref. Co. discussed the geology of the Gulf continental shelf, accompanied by excellent stereopticon slides, which were a revelation to local men of what is being done in other communities.

Mr. Carsey showed that the width of the continental shelf, out to the 600 foot depth, is about 50 miles south of Mobile Bay and 70 mi. at the mouth of the Rio Grande but reaches a maximum width of 140 miles between these points. The gradient is 8 to 12 ft. per mile on top and 400 to 600' per mile off the edge. On land 240 salt domes have been discovered around the coastal margin and Carsey inferred that as many might exist in an equal area of the continental shelf. The topography of the surface of the shelf shows over 140 domelike prominences with relief of 12 ft. to 600 feet. The Mississippi River is building its delta across the shelf at the rate of one mile in 16 or 17 years and is now within 12 or 15 miles of the edge. Oil is being produced from several salt domes on the continental shelf under the delta.

The second paper of the evening was "Mechanics of Faulting in the Los Angeles Basin" by Robin Willis. The elementary strain ellipse was applied to observed facts in Dominguez and West Newport oil fields to show why northward movement of the seaward block along the Newport-Inglewood rift has produced minor thrust faults in the overlying sedimentary rocks at Dominguez, while similar movement in the basement at West Newport has resulted in normal faults in the sedimentary series.

The last paper, by George R. August, Petroleum Engineer of the Long Beach Harbor Dept. was an interesting account of information discovered by the recent oil development in Long Beach harbor. It was shown that faulting acts as a barrier which divides the oil accumulation into a number of underground pools.

July 28th Alumni and friends of the Geological and Mining Department of Stanford University met at luncheon at the California Club to hear Dean A. I. Levorsen report on the progress in Stanford's new School of Mineral Science. The meeting was held under the auspices of the Associates of the School of Mineral Science with chairman L. L. Aubert presiding. Dean Levorsen said that the school is under great pressure on account of heavy registration and desire of students to undertake research. He said that the financial support of alumni and friends is urgently needed and thanks the Associates for the help they have rendered.

The annual Coastal "Mud Smellers" Barbecue was held Friday, July 23rd, at the General Petroleum Corp. pier in the Rincon Field. Attendance was smaller than usual, there being only 35 hungry and/or thirsty "mud smellers" present as compared to the 50 or more who have attended in previous years. However, this meant more steak and beer for those present. As a climax to the affair, the committee had carefully arranged to have the grunion show up at 11:30 P.M., and the games of five-card "bridge" broke up to allow the more athletic to race up and down the beach and plunge madly into the surf with complete disregard for personal safety and dryness. They actually caught some grunion too!

COAST GEOLOGICAL SOCIETY

The regular bimonthly meeting of the Coast Geological Society was held Monday, August 9th at Eaton's restaurant, Santa Barbara. Dinner was at 7:00 P.M., after which the following papers were presented:

1. Recent Developments in the San Ardo Area, by R. R. Thorup, Consultant.
2. Electronics in the Oil Industry, by Lloyd A. Calhoun, McCullough Tool Co.
3. Cattle Raising in California, a 16 mm. Kodachrome motion picture.

EXECUTIVE COMMITTEE, PACIFIC SECTION
AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

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PACIFIC PETROLEUM GEOLOGIST

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Personal Items:	Ted Bear
Selected Bibliography:	E. R. "Bob" Orwig
Calendar:	Jack Knight
San Francisco Representative	Graham Moody
San Joaquin Representative	Max Capen
Ventura Representative	John Curran

Next Deadline September 10, 1948

S. E. G. ACTIVITIES.

The Los Angeles Basin Members of the Society of Exploration Geophysicists held a luncheon at the Clark Hotel on July 15th. The meeting was presided over by Curtis H. Johnson, President of the recently organized Pacific Coast Section of the national organization.

The group was fortunate to be able to hear an informal talk by Mr. C. E. Riddell, Supervisor of the Middle Eastern operations of the United Geophysical Company. Mr. Riddell reported on the effect of the present day Palestine situation on the reputation and prestige of the United States, principally as it affects our foreign oil interests.

It is announced that any person interested in exploration geophysics may become a member of the Pacific Coast Section of the Society of Exploration Geophysicists. Those joining during the first six months, that is, until September 11, 1948, shall be Charter Members. Charter Members shall be members of the Society of Exploration Geophysicists, or shall be sponsored by a member of the national organization. Annual dues are \$1.00. Dues and application for membership should be sent to Secretary-Treasurer, R. C. Duniap, Jr., 126 George Hay Bldg., Bakersfield, California.

PACIFIC SECTION HISTORY (Continued)

The June issue of the Pacific Petroleum Geologist carried a brief history of the origin and originators of the Pacific Section A.A.P.G. The following paragraphs will present the names of some of the early officers and notes on the first few annual meetings. Most of this material has been taken from what appears to be the only preserved record of this organization — The Treasurer's Report.

The first annual meeting of Pacific Area Geologists was, as reported previously, held at the Alexandria Hotel in September, 1924. Frank Hudson was the first President of this organization and from available records it appears that he also acted as secretary - treasurer during this 1924-25 period.

The 1925 meeting was held at the Palace Hotel in San Francisco and it is reported (not in the Treasurer's books) that a very lively time was had by all. Mr. G. C. Gester was elected President and Mr. Roy Morse elected Secretary-Treasurer at this meeting.

The 1926-27 officers were, E. F. Davis, President and Carroll M. Wagner, Secretary-Treasurer. These were followed by Henry Hawley as President and Nicholas Taliaferro as Secretary-Treasurer — just 20 years ago.

The Pacific Section's by-laws were changed in 1944 - and since then, we have had a third office, that of Vice-

President. Glenn Bowes was the first man to hold that office in the Pacific Section.

-- Pete Gardett

PERSONAL ITEMS

Phil Kistler has recently gone to work for the Seaboard Oil Company in Cody, Wyoming. Phil previously worked for General Petroleum Corporation at Bakersfield before the war. After his release from the Navy he was assistant to the President of the Sonne Camera Company.

Glenn H. Bowes, Assistant Region Geologist for Continental Oil Co. at Los Angeles, has been transferred to Calgary, Canada, where he will be Manager of Exploration for the Hudson's Bay Oil & Gas Co., Continental's Canadian affiliate. Roy M. Barnes, Region Geologist for the Pacific Coast, will have two assistants - Dick Ten Eyck for exploration and Hugh McClellan for exploitation.

John Maxon recently left the Bay Petroleum Corporation and opened a consulting office in Denver.

William Putman of U.C.L.A. was recently made a full professor.

Quentin Moore who recently graduated from the University of Chicago has joined the geological staff of the General Petroleum Corporation and is located in Paso Robles.

The U.C.L.A. summer field camp finished July 30th. The camp was located in Trabuco Canyon of the Santa Ana Mountains and was under the direction of Drs. Cordell Durrell and John C. Crowell. The class consisted of 33 ex-G.I.'s and was divided into 11 parties of 3 men. Approximately half of the class will return for graduate work.

Stanley and Stoltz have moved their offices from 510 South Spring Street to Suite 620, Security Title Insurance Building, 530 West Sixth Street, Los Angeles 14. Telephone Van Dyke 2079.

Among those who will attend the Wyoming Geological Association's Wind River Basin field conference, Aug. 11 to 14 will be the following: Elmo Adams and Herb McMasters of Honolulu Oil Co., Al Vitt of Seaboard, Roy M. Barnes and Dick Ten Eyck of Continental, H. A. (Pat) Kelley, consultant and Pete Gardett of General Petroleum. Roy Barnes will attend the Executive Committee meeting of the A.A.P.G. at Lander, Wyo., the day before the field trip begins.

Douglas M. Kinney, currently with the U. S. Geological Survey, will go to New Haven, Conn. next month to complete the requirements for Ph.D. at Yale University.

Dan Sullivan, with Continental Oil Company at Bakersfield, was married July 31st.

Phil Gaby left San Francisco around the end of July for Canada--work or vacation?

M. G. McAndrews who just recently received his M.A. from University of California at Berkeley, is now with the Shell Oil Company in Bakersfield. Prior to going back to school he was a fighter pilot in the Navy.

John Wiese, formerly with the United States Geological Survey is now with the Richfield Oil Corporation in Bakersfield. He is a graduate of U.C.L.A.

Milo Erhard, Honolulu Oil Corporation, Bakersfield, became a very proud father of a baby daughter, Sara Marie, born July 6, and weighing 7 lbs. 14½ ounces

M.G. Smith of Standard Geophysical Department in Bakersfield saw the city of New York on his way to the Persian Gulf. Smitty's guide was Ed Borys, formerly of Bakersfield, now of New York City.

Virginia Warren, graduate in geology from the University of Wisconsin in 1948, has joined Standard's Bakersfield staff as Technical Assistant after three weeks in San Francisco.

Dr. R.F. Faull of California Research Corporation, has been visiting Standard's Exploration Dept. in the San Joaquin Valley to see how geologists work (?).

Stan Kriz, Field Geologist for Standard, is now happy to be tromping the hills near Taft after his leave of absence. Stan was happily stranded in Switzerland on his way home from a visit to relatives in Czechoslovakia. He reports the Communists are wearing the striped trousers these days.

Bill Hawk, Continental Oil Co., returned to this area briefly last month in order to move his family to Houston. Bill says he is well satisfied with his new set-up there.

Larry Whaley, T.W.A., recently transferred to the Santa Maria area, has just moved his family to Buelton. He may be reached there c/o General Delivery.

Bill Merrill, Standard Oil Co., is currently working in the Paso Robles area.

Ed Fisk, Cal-Tech student, has been employed for the summer by the Amerada Petroleum Corp. He is working with Bob Paschall in Ventura.

Dick Nelson, that wandering geologist who has covered many lands, is enjoying an anniversary vacation of 5 weeks.

Em Butterworth has just returned from a flying trip to the East Indies. Em says he covered a lot of ground but didn't spend much time at it.

Dick Hopper is in Batavia at present.

Earl Heater is en route to The Hague and expects to take in the geological conferences in London. Earl and Bill Kew are excellent representatives from California.

Les Whipple of the Richmond Exploration Company in Venezuela is enjoying a vacation in the Bay Area.

N. H. (Cy) Hardy, erstwhile geologist but now president of Richmond Exploration Company, has moved to Caracas, Venezuela.

Clark Gester and Graham Moody had a fast trip to Washington D.C. They say it was H O T!! We recall that these two young chaps are interested in gas reserves and we wonder if there might be some connection between their trip to Washington and the special session of Congress. Interpret this as you choose.

Bill Kew, who took a Swedish boat to London, writes that by the time he reached Panama he had acquired a taste for gin and bitters.

GEOLOGICAL FORUM

Monday, August 16, 1947, 7:00 p.m. sharp.
Edison Auditorium, Edison Bldg, Los Angeles.

Geology of the Santa Cruz Island - W. W. Rand, Union Oil Co.

History of Development in the Cuyama Valley and Vicinity -
Martin Van Couvering, Consultant.

Some Current Local Aspects in the Cuyama Valley -
J. E. Eaton, Consultant.

George Roth, Consultant, Chairman this meeting.

OIL MAP ASSOCIATION STANDARD MAPS

The Oil Map Association is currently completing their project of a "standard" projection of sections in all the unsectioned areas of five coastal counties (Orange, Los Angeles, Ventura, Santa Barbara and San Luis Obispo). The material for each county will consist of an index map (1"= 1Mile) and reproductions of U.S.G.S. quadrangles on which the projections have been drawn.

At the present time, the work on Ventura County has been completed and is available at the Rapid Blueprint Co., 818 Santee Street, Los Angeles. Work on the other counties is nearly completed and should be available in September.

It is hoped that all companies will adopt this projection and thus eliminate much of the confusion so frequently associated with well locations in unsectioned areas.

BIBLIOGRAPHY OF RECENT PUBLICATIONS

- ° Pacific Coast Geology
°° Other items of special interest

SCIENTIFIC PUBLICATIONS - JOURNALS, BULLETINS, ETC.

- A.A.P.G. Bull., Vol. 32, No. 7, July, 1948
 ° "Integration in Exploration" By Cecil H. Green, pp. 1216-1220.
 ° "Artesian Salt Formations" By Bailey Willis, pp. 1227-1264.
 ° "Geological Observations on Curacao, N.W.I." By H. P. Schaub, pp. 1275-1291.
 °° "Isopachous Maps of Sand Reservoirs" By Jay B. Wharton, Jr., pp. 1331-1339.
 ° "Some Notes on Geology and Geologists" By Hugh D. Miser, pp. 1340-1348.
- Bull. Geological Society of America, Vol. 59, No. 7, July, 1948
 ° "Limnology and the Eocene Lakes of the Rocky Mountain Region" By W. H. Bradley, pp. 635-648.
 °° "The Geosynclinal Theory" By Adolph Knopf, pp. 649-679.
 ° "Annotated Bibliography of Marine Geophysical and Geological Surveys" By Richard A. Geyser, pp. 671-696.
 ° "Crustal Movement on the Great Lakes Area" By Sherman Moore, pp. 697-710.
- Trans., Amer. Geophys. Union, Vol. 29, No. 3, June, 1948
 ° "Horizontal Earth Movement, Vicinity of San Francisco, California" By C. A. Whitten, pp. 306-317.
 °° "Von Zeipel's Theorem and Convection in the Earth" By Jean Verhoogen, pp. 361-365.
 ° "Earthquake Study in Southern California, 1947" By B. Gutenberg and C. F. Richter, pp. 406-407.
- Amer. Jour. Sci., Vol. 246, No. 6, June, 1948
 ° "On the Date of the Last Rise of Sea Level in Southern New England" By Edward S. Deevey, Jr., pp. 329-352.

TRADE JOURNALS AND MISCELLANEOUS MAGAZINES

- California Oil World, Vol. 41, No. 13, First Issue, July, 1948
 ° "Prospecting for Oil and Gas in Washington" By Sheldon L. Glover, pp. 3-9.

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Vol. 2, No. 8

World Oil, Vol. 128, No. 3, Section 1, July, 1948
 ° "Increased Capitalization of Geological-Geophysical Expenses Would Reduce Exploration" By L. J. Logan and Cecil Smith, pp. 37-42.

World Oil, Vol. 128, No. 3, Section 2, July, 1948
 °° "The World Oil Atlas"

The Petroleum Engineer, Vol. 19, No. 10, July 1, 1948
 ° "Recent Diamond Coring in California" By D. A. McGee, A.T.F. Seale, and G. O. Danielson, pp. 65-83.

Petroleum World, Vol. 45, No. 7, July, 1948
 ° "Cuyama Looms as Most Important Discovery in Decade" By L. P. Stockman, pp. 17-21.

CALENDAR

- August 12, 1948, Thursday, 6:30 p.m., A.I.M.E., Jr. Petroleum Group, Rio Hondo Country Club, Downey.
- August 16, 1948, Monday, 7:00 p.m., A.A.P.G., Pacific Section, Geological Forum, Edison Auditorium, Edison Bldg., Los Angeles.
- August 17, 1948, Tuesday, 7:45 p.m., A.P.I., San Joaquin Valley Chapter, Bakersfield Inn, Bakersfield, California.
- September 9, 1948, Thursday, 6:30 p.m., A.I.M.E., Jr. Petroleum Group, Rio Hondo Country Club, Downey.
- September 13, 1948, Monday, 7:30 p.m., A.I.M.E., Metals Group, U.C.L.A.
- September 14, 1948, Tuesday, 7:00 p.m., A.A.P.G., San Joaquin Geological Society, Hotel El Tejon, Bakersfield, Dinner Meeting.
- September 15, 1948, Wednesday, A.P.I., Coalinga-Kettleman Chapter, Barbecue.
- September 18, 1948, Saturday, A.I.M.E., All divisions, Barbecue, Brea.
- September 20, 1948, Monday, A.P.I., Coastal District, Barbecue.
- September 21, 1948, Tuesday, 7:45 p.m., A.P.I., San Joaquin Valley Chapter, 11-C Meeting Hall, Standard Camp, Taft.
- September 29, 1948, Wednesday, A.I.M.E., Mining Division, Luncheon with Chamber of Commerce.

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PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 2

September, 1948.

Number 9

ASSOCIATION ACTIVITIES

The Geological Forum Meeting held on Monday evening, August 16th, was of considerable popular as well as geological interest. In anticipation of a large crowd, George Roth, Chairman of the meeting, prevailed upon Francis Minshall to secure the use of the auditorium in the Edison building. Because of building rules it was necessary for the Continental Oil Company to sponsor the meeting.

A number of non-geologists, including brokers and bankers asked permission to attend, and the hall was well filled.

The first paper, "Geology of the Santa Cruz Island" by W. W. (Bill) Rand of Union Oil Company was a well organized and scholarly description of the geology of the island accompanied by illustrative slides.

Martin Van Couvering, consultant, next discussed the history of development in the Cuyama Valley and vicinity and brought out the difficulties encountered in identifying old wells. Many of these old wells are listed under various names, and because of conflicting land surveys, one well often appears in several different locations.

It is understood that a new Government survey is to be made to settle all differences in the old surveys. This work is badly needed to prevent occurrences such as have been reported in Texas, where one major company is said to have drilled inadvertently on the lease of another.

J. E. (Joe) Eaton, consultant, gave a very lively discussion of the structure and development of the Cuyama Valley oil fields, indicating areas which he believed would furnish extensions to the proven acreage.

The Pacific Section of the AAPG will hold a luncheon meeting on Wednesday, October 6, at 12:00 noon, at the Clark Hotel in Los Angeles. The speaker will be Gerald Fitzgerald, Chief of the Topographic Branch of the U.S.G.S., who will talk on "Modern Mapping Methods". Mr. Fitzgerald will speak at three meetings: one in San Francisco on October 4, one in Bakersfield on October 5, and the third in Los Angeles on October 6.

The monthly luncheon meeting of the Pacific Coast Southern Section of the S. E. G. was recently held at the Clark Hotel with Curtis Johnson presiding. A moving picture of Saudi Arabia was presented by Standard Oil Company of California.

STATE EXAMINATION

The California State Personnel Board will hold an examination for Senior Appraisal Engineers on September 23, 1948 at Sacramento, San Francisco and Los Angeles.

ADVANCE NOTICE

THE TWENTY-FIFTH JOINT ANNUAL FALL MEETING OF THE PACIFIC SECTION

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

HUNTINGTON HOTEL, PASADENA

THURSDAY and FRIDAY
OCTOBER 28 & 29, 1948

Plans for the Annual Fall Meeting are now well advanced. An excellent series of papers of vital interest to California geologists together with several papers of general interest to all geologists is being prepared. The Huntington Hotel, which proved popular with a large majority of members who attended last year's conclave, has again reserved its convention facilities for the Association this year.

Further announcement and details will be mailed later to all A.A.P.G., S.E.G. and S.E.P.M. members.

The important item now is to keep the dates in mind and to decide as soon as possible regarding:

1. Your housing plans if you are from out-of-town:

The Huntington Hotel rates, European plan, are:

	Per person
Double room, twin beds, private bath	\$6.50
Double room, twin beds, connecting bath	\$4.50

Reservations, for which cards will be mailed to all members, must be returned to the Huntington Hotel by October 15. If at all possible, team up with someone else and request a double room.

2. Attendance at the formal dinner-dance on Friday night, October 29, 1948.

Make up your table groups as soon as possible so that when reservation cards are sent out they can be returned immediately. Only one individual should be responsible for each table, collect the fees, and send them to the dinner-dance chairman.

In addition to the above the usual luncheon will be held in the main dining room on Thursday, October 28. Tickets for the luncheon will be on sale at time of registration.

As an added attraction to those attending the convention U.S.C. and California play their big game in the Coliseum on Saturday, October 30.

EXECUTIVE COMMITTEE, PACIFIC SECTION
AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

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Harvey W. Lee	Vice-President
Peter H. Gardett	Secretary-Treasurer
Martin Van Couvering	Past President

PACIFIC PETROLEUM GEOLOGIST

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Assistant Editor: Stanley Siegfus

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Activities: Donuil Hillis

Personal Items: Ted Bear

Selected Bibliography: E. R. "Bob" Orwig

Calendar: Jack Knight

San Francisco Representative: Graham Moody

San Joaquin Representative: Max Capen

Ventura Representative: John Curran

Next Deadline Friday, October 8, 1948.

FIELD CONFERENCE

WIND RIVER BASIN, WYOMING

The Wyoming Geological Society has earned a widespread and well deserved reputation for conducting exceptionally fine field trips. This reputation was admirably upheld by the functioning of committees in charge of the Wind River Basin Conference. As a testimonial to the desirability of these conferences it can be pointed out that the executive committee of the A.A.P.G. took care to schedule a business meeting in Lander, Wyoming the day preceding the beginning of the conference.

Obviously, a visitor from California, who has little or no background in Rocky Mountain Geology, is not in a position to write a treatise on the Geology of the Wind River Basin as an aftermath of having attended even the finest of field conferences. An itinerary and schedule of events, together with a great number of individual papers on the geology of this area and its oil fields, are available in an excellent guide book, which may be purchased through Mr. Stanley Knouse at the Tidewater Associated offices in Casper. (Price \$4.25). These remarks then will be limited to the general impressions of a city dweller to the vast expanse of geology viewed on this trip - a run-down of names of Pacific Section and ex-Pacific Section members who attended, and something on the general behavior of the participants and those generous Wyoming people who made such a conference possible.

Headquarters for this conference was in the Noble Hotel in Lander, which is located near the southwest border of the Wind River Basin. Lander is a town of 2600 people and the manner in which these towns people accommodated the 250 geologists attending this meeting was indeed a refreshing experience in hospitality and cooperation.

Of the 250 attending, the following California geologists were noted: - Earl Noble and Stan Wissler of the Union, Elmo Adams and Herb McMasters of Honolulu, Dick Crandall and "Pat" Kelley consultants, A. I. Levorsen and Tom Clements of Stanford and U.S.C. respectively, Roy Barnes of Continental, Al Vitt of Seaboard and Pete Gardett of General Petroleum. In addition, many ex-Californians including Max Krueger, Stan Knouse, Paul Pustmueller, Clarence Manion, Ed Simpson and Phil Kistler sent their regards to friends in the Pacific Section area.

The Wind River Basin is one of the smaller of a number of large Tertiary basins in the Rocky Mountain Region. This basin is approximately 120 miles long and averages 40 miles in width. It is a northwest to eastwest trending asymmetric Tertiary geosyncline with its axis lying close to the north margin, which is marked by the Owl Creek Mountains where pre-Cambrian and Paleozoic rocks are thrust south over the steeply dipping Tertiary, Wind River formation.

Eocene and Oligocene mantle covers approximately 75% of the area of this basin. Most of the oil fields discovered to date are located around the margins of the basin in areas of outcrops of Mesozoic rocks. Many of these fields have untested deep prospects. A set of Paleozoic (diamond head) cores were made available for inspection. It was impressive to see a Cambrian sand, immediately overlying the pre-Cambrian gneiss, which appears to have very good reservoir properties. The Mesozoic and Paleozoic formational units are, to a California visitor, remarkably widespread and of uniform character. A great deal of geophysical exploration has been done in the large Tertiary covered central area of this basin. Recent discoveries have encouraged deep exploratory drilling on geophysical highs. The Pure Oil Company's recent discovery in the Frontier sandstone (Cretaceous) at a depth of 14,309' is now the worlds deepest producing well.

Initial production figures for individual wells and barrels per acre figures for the average fields in the Rocky Mountains are not particularly impressive; however, the tremendous unexplored Tertiary covered areas, together with the numerous and deep prospective oil producing horizons have instilled a spirit of optimism and an "oil boom" attitude among many of the Rocky Mountain geologists and among the visiting geologists at this conference.

It is difficult to adequately describe the impressiveness of the actual geology visible to the observer on one of these field conferences. It has been suggested that much of the value and points of interest on such a field trip might be recorded by means of a movie camera, together with still slides and perhaps a recorded narration, and thus made available to the many interested groups within the A.A.P.G. the universities and perhaps others, who cannot attend these conferences.

GEOLOGICAL FORUM MEETING

<u>Monday, Sept. 20, 1948</u>	<u>7:00 p.m. sharp</u>
General Petroleum Auditorium Los Angeles, California	Higgins Building 108 W. 2nd St.

1. Tertiary Geology of the Uinta Basin, Utah - I. T. Schwade, Richfield Oil Corp.
2. Water Resources Problems of Ventura County - R. L. Ryan, Ventura County Engineer
3. S. P. Dipmeter - M. L. Loy and R. P. Phillips, Schlumberger Well Surveying Corp.

Robert H. Paschall, Amerada Petroleum
Chairman, this meeting.

PERSONAL ITEMS

Robert J. Hindle, who graduated from U.C.L.A. this month, is now employed by Barnsdall Oil Company in Bakersfield. Prior to this, he spent several summers working for both Signal Oil and Gas and Superior Oil Co.

British-American Oil Producing Co., in Bakersfield, have moved to their new offices in Room #313, Professional Building.

Robert Bennett, graduate of Redlands University in June, 1948, is now employed by Tidewater Associated in Bakersfield. Prior to this he served for 3 years in the army.

Darrel Kirkpatrick, C.C.M.O., became the proud father of a baby boy, Dale Evans, born August 17th, and weighing 6 lbs. 10 oz.-- and he passed out cigars!

Robert (Wylie) Anderson, graduate of Stanford University January, 1948, is now employed by Honolulu Oil Corp. in Bakersfield. Prior to this he spent six years in the Navy (Lt.) as flier.

R.L. Hewitt has resigned from Tidewater Associated to accept a position with Western Gulf Oil Corp. as District Geologist in the Coastal Division.

SALINAS VALLEY ACTIVITY

Richard R. Thorup resides at 432 N. Vanderhurst, King City. Dick's car was stolen last month but recovered it in time to join Harry Campbell and Stan Beck and speak before the San Joaquin Geological Society at the El Tejon Hotel, Bakersfield-----
Hans Ashauer of The Texas Co. has moved to Paso Robles----Jack Fackler of C.C.M.O. also resides at Paso Robles----Standard Oil Co. has an office in the Taylor Hotel, Paso Robles for both the Geophysical Crew and Geologists----George Keester of the Union Oil Co. is living in King City while watching the Keans #1-----

Harry Campbell is still the Mayor of San Ardo----Tom Baldwin of Texas Co. is living in Paso Robles----Bill Kennett is in the process of moving to Paso Robles also.

L. B. Snedden has been promoted to assistant manager of the geophysical division, producing department The Texas Company, and has been transferred from Bakersfield, California to Houston, Texas. Mr. Snedden was district geologist and supervisor of geophysical operations in California.

Recently elected as the Northern Vice President of the Pacific Coast Section of the S. E. G., Mr. Snedden's term in office will be completed by Mr. O. F. Van Beveren, Standard Oil Company of California.

John Olsen, formerly with Associated Oil in Bakersfield, is now with C.C.M.O.

Rufus M. Smith, formerly for fifteen years with the Panhandle Eastern Pipe Line Company at Kansas City, Missouri, is now with Continental Oil Co. as District Geologist for the Los Angeles Basin district.

Miss Jo Anne Brittle has recently joined the staff of Wm. Ross Gabeen and Associates. Miss Brittle majored in geology and just graduated from the University of Redlands.

John Anderson of Humble Oil Company became the father of twins on August 12. Janet Lynn weighed 5 lbs. 6 oz. and Richard weighed 4 lbs. 8 oz.

Bud Ogle, who was until recently employed by the Union Oil Co., has been doing field mapping in Humboldt Co. in partial fulfillment of the requirements for his Ph.D. degree. "Bud" is registered at the University of California. He and Mrs. Ogle recently welcomed a second child and son. They are residing in Berkeley, Calif.

Dave Hobson has recently moved his family from Bakersfield to Sierra Madre,

Irving Schwade of the Richfield Oil Co. was recently on the "Jack of All Trades" radio program where an attempt is made to guess the trade of each contestant. They called "Irv" a Postmaster.

Stan Knouse of Tidewater Associated Oil Co. in Casper, Wyoming, was recently married to Evon Mapes.

The Coastal Scouts went on a fishing trip last week and a great time was had by all. Irv. Frasier won the jackpot with a 7 lb. fish.

Donuil Hillis, formerly of the Capital Co., has recently joined the Fullerton Oil Co. and will open an office in Casper, Wyo.

Tex Leverett, formerly with the Union Oil Co. in the L.A. basin and more recently engaged in automotive repair work, has returned to the oil business and is now employed by the Superior Oil Co. "Tex" says he really likes Bakersfield: "It's almost like being back in Texas".

George Gibson, former Division Geologist in Midland for the Richfield Oil Co., is now working for the Seaboard Oil Co.

Charles De Lancey of the Humble Oil & Refining Co. has recently been transferred to the Los Angeles office.

Wallace Pratt, consulting geologist, recently flew his plane to California on business.

Bob Hindle, former UCLA, is now working for the Barnsdall Oil Co. in Bakersfield.

William MacKersie, who recently graduated from UCLA, is now employed in the Geological Dept. of Kern Oil Company in Los Angeles.

Bob Smart, another UCLA geology major, who graduated at the completion of the summer field camp, is now employed by the General Petroleum and is working in the Rocky Mountain District.

Steve Davies of the Gulf Oil Co. in Cuba is now home on a two months vacation.

Milton Whitaker of the General Petroleum in Los Angeles is the most recent addition to A.A.P.G. Pacific Section membership. "Milt" is number 547 of the paid members for the year 1948. It looks like Pete Gardett has really been on the job.

Bob Ford, former Assistant Division Manager of the California Division of Schlumberger Well Surveying Corporation, and now stationed at Company Headquarters in Houston, flew to London on Aug. 23rd to attend the International Geological Congress.

BIBLIOGRAPHY OF RECENT PUBLICATIONS

CALENDAR

- ° Pacific Coast Geology
- °° Other items of special interest

SCIENTIFIC PUBLICATIONS - JOURNALS, BULLETINS, ETC.

Science, Vol. 108, No. 2799, August 20, 1948

"Mechanisms for Fixation of Uranium in Certain Sediments"
By A. F. Frederickson, pp. 184-185.

Trans. Amer. Geophys. Union, Vol. 29, No. 4, Pt. 1, August, 1948

"Review of Current Hypotheses of Origin and Tectonic Significance of Schistosity" By Francis J. Turner, pp. 558-564.

Jour. Geology, Vol 26, No. 4, July, 1948

Symposium on Mississippian Stratigraphy.

Amer. Jour. Sci., Vol. 246, No. 7, July, 1948

"A Petrographic Criterion for the Possible Replacement Origin of Rocks" By F. Chayes, pp. 413-426.

"Evidence for a Steepening of Geothermal Gradients in Some Deep Mines and Drill Holes" By James A. Noble, pp. 426-441.

TRADE JOURNALS AND MISCELLANEOUS MAGAZINES

Oil and Gas Journal, August 5, 1948

"World's Most Automatic Drilling Rig", pp. 58-65.

World Oil, August, 1948

° "Cuyama Valley May Improve California Reserves" By Gilbert M. Wilson, pp. 87-92.

Petroleum World, Vol. XVI, No. 8, August, 1948

"Seaborne Seismic Work Under Way off California Coast, pp. 15-17.

September 18, 1948, Saturday, A.I.M.E., All divisions, Barbecue, Brea.

September 20, 1948, Monday, A.P.I., Coastal District, Barbecue.

September 20, 1948, Monday, 7:00 p.m., A.A.P.G., Pacific Section, Geological Forum, General Petroleum Auditorium, Higgins Bldg., Los Angeles.

September 21, 1948, Tuesday, 7:45 p.m., A.P.I., San Joaquin Valley Chapter, 11-C Meeting Hall, Standard Camp, Taft.

September 22, 1948, Wednesday, 7:00 p.m., A.P.I., Coalinga-Kettleman Chapter, Polvadero Country Club, Barbecue.

September 25, 1948, Saturday, 3:00 p.m., A.P.I., Pioneer Group, Camp Comfort, Ventura, Barbecue.

September 29, 1948, Wednesday, A.I.M.E., Mining Division, Luncheon with Chamber of Commerce.

October 1, 1948, Friday, 10:00 a.m., A.I.M.E., Petroleum Chapter and Jr. Petroleum Group, Shell Recreation Hall, Ventura, Ventura Avenue Field Trip.

October 5, 1948, Tuesday, 7:00 p.m., A.A.P.G., San Joaquin Geological Society, Hotel El Tejon, Bakersfield, Dinner Meeting.

October 6, 1948, Wednesday, 12:00 noon, A.A.P.G., Pacific Section, Clark Hotel, Los Angeles, Luncheon Meeting.

October 14 & 15, 1948, Thursday and Friday, A.I.M.E., All Divisions, Elks' Club, Los Angeles, Annual Meetings.

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PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 2,

October, 1948.

Number 10.

PACIFIC SECTION CONVENTION NUMBER



William P. Winham, President of
Pacific Section, Amer. Assoc. Pet. Geol.

A.A.P.G. - S.E.P.M. - S.E.G.
JOINT FALL MEETING
OCTOBER 28 and 29, 1948
HUNTINGTON HOTEL, PASADENA

The Annual Joint Fall Meeting of the Pacific Section of the American Association of Petroleum Geologists, the Society of Economic Paleontologists and Mineralogists, and the Society of Exploration Geophysicists, will be held at the Huntington Hotel, Pasadena, on October 28 and 29, 1948. The meeting will be attended by geologists, paleontologists, geophysicists and petroleum engineers to hear the presentation of a series of papers on the recent discoveries of new oil provinces and new oil fields in California, Canada and the Rocky Mountains resulting from the intensified search for additional petroleum reserves.

Registration for A.A.P.G. and S.E.P.M. members will begin at 9:00 A.M., Thursday, October 28, 1948. All members are urged to register promptly upon arrival at the Huntington. The A.A.P.G. meeting opens at 9:30 A.M. with a full day technical session devoted to recent developments in California, including papers on the Salinas and Cuyama Valleys. The Thursday luncheon features a discussion of Association activities by Mr. Paul Weaver, National President of the A.A.P.G.

The S.E.G. has scheduled an interesting program of seven papers for their Thursday morning session, beginning at 9:00 A.M., one-half hour earlier than the A.A.P.G. meeting, with their registration beginning at 8:30 A.M. Three of the papers will deal with different phases of explosive phenomena as utilized in seismic prospecting, one of them a discussion of recent experiments wherein charges are detonated in the air rather than in shot holes in the ground. Other papers will discuss correlations of gravity anomalies with seismic and geological data in California, comparative interpretation of airborne and surface magnetometer data, and additional topics of especial interest to geophysicists.

The S.E.P.M. will hold a Dinner Meeting on Thursday evening, October 28, 1948, at the Pasadena Athletic Club. The program will consist of an interesting paper on the controversial Miocene-Pliocene boundary in the Los Angeles Basin. Tickets will be available all day Thursday at the S.E.P.M. desk.

On Friday morning, October 29, 1948, the A.A.P.G. has scheduled a series of reports on recent developments in Utah, Wyoming, and Canada, as well as further talks on recent discoveries in California.

The S.E.G. will hold a Luncheon Friday noon, with reports from the committees and the announcement of officers for the new year.

The A.A.P.G. session Friday afternoon is to be highlighted by a talk by Ted L. Lenzen, General Manager of Eastern Hemisphere Operations for Standard Oil Company of California, titled, "The Other Half of the World and Its Oil". Mr. Lenzen will discuss a businessman's view of political and economic conditions abroad, the threat of communism and the Marshall Plan, as they affect the oil industry in Eastern Hemisphere operations. Mr. H. R. Tainsh, Senior Geologist of Burmah Oil Company, Ltd., will present a paper on "Tertiary Geology and Principal Oil Fields of Burmah".

The Annual Formal Dinner and Dance (dark suits acceptable) will be held Friday evening, October 29, with Dinner from 8:00 P.M. to 10:30 P.M. in the Main Dining Room, and dancing from 8:30 P.M. to 12:30 A.M. in the Ballroom. Reservations will be made by table only, with accommodations for from four to twelve persons, available through Jack Knight, Dinner Dance Chairman.

The complete program for the two-day meeting follows:

Thursday Morning, 9:30 A.M. October 28, 1948

Pacific Section of American Association of Petroleum Geologists

"Geology of Santa Cruz Island" - William Rand, Union Oil Company.
 "Recent Developments and Geology of the Salinas Valley" - R. R. Thorup, Consultant.
 "The San Ardo Oil Field" - Harry Campbell, Jergins Oil Company.
 "Salinas Valley Microfauna" - R. Stanley Beck, Consultant.
 "The Tejon Ranch Oil Fields" - L. W. Richards, Consultant.
 Nomination of officers for Pacific Section of American Association of Petroleum Geologists.
 Luncheon Speakers: A.A.P.G. National Officers.

Thursday Afternoon

"Geology of the Hungry Valley Area South of Gorman" - Dr. John Crowell, U.C.L.A.
 "The Russell Ranch Oil Field, Cuyama Valley" - Mason L. Hill, Richfield Oil Corporation.
 "Airborne Magnetometer Profile Across the Southern Coast Ranges" - Wayne Hoylman, Fairchild Aerial Surveys, Inc.
 "The Oceanic Sand" - J. H. McMasters, Honolulu Oil Corporation.
 "Geology of the West Mountain Oil Field" - Leo Moir, Wilshire Oil Company, Inc.

Thursday Evening

A Dinner Meeting of the Pacific Section of the Society of Economic Paleontologists and Mineralogists will be held at the Pasadena Athletic Club at 7:00 P.M., October 28, 1948.
 "The Miocene-Pliocene Boundary in the Los Angeles Basin from the Viewpoint of the Microstratigrapher" - Stanley G. Wissler and F. D. Crawford, Union Oil Company.

Friday Morning

"Major Elements of Utah Geology and Current Exploration Program" - J. Stewart Williams, Utah State Agricultural College.
 "Recent Developments in Wyoming" - Henry C. Rea, Consultant, Casper, Wyoming.
 "Recent Developments in Canada" - L. M. Clark, Barnsdall Oil Company, Alberta.
 "History of the Continental Shelf of the Gulf of Mexico" - Paul Weaver, National President of the A.A.P.G.
 "Jasmine Oil Field" - Robert Casey, Pacific Oil and Gas Development Corporation, and Fred Sperber, Consultant.
 "Guljarral Hills Discovery" - J. Q. Anderson, Barnsdall Oil Company.

Friday Afternoon

"The Other Half of the World and Its Oil" - T. L. Lenzen, General Manager Eastern Hemisphere Operations, Standard Oil Company of California.
 "Tertiary Geology and Principal Oil Fields of Burma" - by H. R. Tainsh, Burmah Oil Company, Limited.

Friday Evening

8:00 P.M.
 A.A.P.G. Formal Dinner Dance
 Huntington Hotel

All members of the Society of Exploration Geophysicists and The Society of Economic Paleontologists and Mineralogists and friends are cordially invited.

Pacific Coast Section of Society of Exploration Geophysicists

Thursday Morning, 9:30 A.M.
 October 28, 1948

"The Correlation of Gravity Anomalies with Seismic and Geological Data in California" - P. F. Clement, Western Gulf Oil Company, and G. R. Watson, Gulf Research and Development Company.
 "Review of Some Wartime Studies of Explosive Phenomena" - Dr. R. A. Peterson, United Geophysical Company.
 "A New System of Seismic Exploration" - by Dr. Thomas C. Poulter, Stanford Research Institute.
 "The Oscillatory Character of Seismic Pulses" - Dr. C. Hewitt Dix, California Institute of Technology.
 "Phillippine Exploration Problems" - J. L. Soske, Geophysical Engineering Corporation.
 "Comparative Interpretation of Airborne and Surface Magnetometer Data" - Wayne Hoylman, Fairchild Aerial Surveys, Inc.
 "The Blast Damage Claim Racket" - H. M. Engle, Structural Engineer.

Society of Exploration Geophysicists Luncheon
 Friday - October 29, 1948

Committee reports, introduction of new officers.

Committees responsible for the convention:

Arrangements: Fred E. Vandenberg (AAPG) General Chairman
 A. Theodore Lee (SEPM) Chairman
 Maynard Harding (SEG) Chairman
 Jack Knight
 Wallace Matjasic
 Program: John E. Kilkenny
 Russell R. Simonson
 John Hale
 Finance: William P. Winham
 Publicity: Sam Stewart
 Philip J. Kempsey

ASSOCIATION ACTIVITIES

The Geological Forum of the Pacific Coast Section held a meeting on Monday, September 20, 1948, at the General Petroleum Auditorium. Mr. Irving T. Schwade, of Richfield Oil Corporation, gave an interesting talk on, "Tertiary Geology of the Uinta Basin, Utah". Stratigraphic, as well as structural, accumulations may be discovered in this province by future exploration activity. "Water Resources Problems of Ventura County, California" was the subject of an enlightening talk by R. L. Ryan, Ventura County Engineer. The conclusions were that with the great influx of population and consequent dwindling ground water supplies, storage basins and dams must be constructed in the mountain areas to store water. The last paper presented entitled, "The Self-Potential Dipmeter", by M. L. Loy and R. F. Phillips, of Schlumberger Well Surveying Corporation, was a discussion of the inner workings of one of the newer geological tools and its application to structural problems. "Bob" Paschall, of Amerada Petroleum Corporation, who was Chairman for this meeting, should be complimented on arranging a fine program.

Mr. Gerald Fitzgerald, Chief of the Topographic Branch of the United States Geological Survey, and an A.A.P.G. distinguished lecturer, addressed the San Joaquin Geological

Society in Bakersfield on October 5, and the Pacific Coast Section at the Clark Hotel in Los Angeles at the noon meeting on October 6, 1948. His topic was, "Modern Topographic Mapping Methods". All of new techniques, including trigonometry, electronic and other methods, were discussed. The government's plan of spending four million dollars on mapping in the next few years should result in some very dependable topographic maps.

The Coastal Geological Society held a meeting at Eaton's Restaurant in Santa Barbara on October 11, 1948, at 7:00 P.M. E. R. Orwig, of General Petroleum Corporation, talked on, "The Vaqueros Formation in the Santa Barbara Area". A paper on the "History and Development of the Cuyama Valley" was given by Martin VanCouvering. A third paper given by Herman Schaller, of Eastern Oil Well Surveying Company, was entitled, "Some Aspects of Directional Drilling".

At the regular monthly meeting held Tuesday evening, October 5, at the El Tejon Hotel, Bakersfield, the San Joaquin Geological Society elected the following new officers: Robert B. Hutcheson, President, Floyd L. Johnson, Vice-President, and Maxwell G. Capen, Secretary-Treasurer.

The speaker for the meeting was Gerald Fitzgerald, Chief of the Topographic Branch of the U. S. G. S., who gave a very interesting talk on "Modern Mapping Methods". Approximately 100 members and guests attended.

Some months ago Tom Baldwin, Dick Thorup, Harry Campbell, and John Fackler conceived the idea of having the geologists and oil men in the Salinas Valley area assemble for a social dinner. On September 8, 1948 a group of 20 congenial people enjoyed the large thick juicy steaks served at Joe's place in San Lucas, California.

The Mayor of San Ardo, Harry Campbell, acting in an official capacity, investigated a rumor that partiality had been shown to some guests at the dinner. His report shows that exactly 40 horns were found behind Joe's place.

Since this is the first meeting of its kind in this vicinity and hope has been expressed for future meetings, the charter members are:

Harry Abruns - North American
 Tom McCool - McCool Oil Co.
 Jay Lee Cross - Universal Consolidated
 James M. Douglas - Paso Robles
 John A. Cotten - Jergins Oil Co.
 John Beach - Independent Exploration
 Bakersfield
 Dick Thorup - Independent Geologist
 King City, Calif.
 John H. Fackler - C. C. M. O.
 Paso Robles
 A. T. Lee - Barnsdall Oil Co.
 Los Angeles
 Tom Baldwin - The Texas Company
 Paso Robles
 F. A. Graser - Cleveland Oil Co.
 L. H. Angel - The Texas Company
 W. J. Hughes - The Texas Company
 Harry Campbell - Jergins Oil Co.
 Tom Fitzgerald - Oceanic Oil Co.
 Jim Thorup - Salinas, California
 M. A. Sisley - Oceanic Oil Co.
 Otto Hackel - Independent Exploration Co.
 Virginia Warren - Standard Oil Co.
 Frank Getz - Standard Oil Co.

PERSONAL ITEMS

Lee Osborne has recently moved from Canada to Long Beach, where he is Acting Manager of the Los Angeles Basin Division, in place of Mr. Baptie, who is making a visit to The Hague

The Department of Geology of the University of Southern California announces the appointment of Dr. Orville L. Bandy and Dr. Richard H. Merriam as Assistant Professors of Geology. Dr. Bandy will teach micropaleontology. Dr. Merriam will teach physical and optical mineralogy.

EXECUTIVE COMMITTEE, PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Wm. P. Winham	President
Harvey W. Lee	Vice-President
Peter H. Gardett	Secretary-Treasurer
Martin Van Couvering	Past-President

PACIFIC PETROLEUM GEOLOGIST

Published monthly by Pacific Section, American Association of Petroleum Geologists. Address communications to Pacific Petroleum Geologist, Room 700, 601 W. 5th St., Los Angeles 13.

Editor:	Hugh McClellan
Assistant Editor:	Stanley Siegfus
Department Editors:	
Activities:	Russell Simonson
Personal Items:	Ted Bear
Selected Bibliography:	E. R. "Bob" Orwig
Calendar:	Jack Knight
San Francisco Representative	Graham Moody
San Joaquin Representative	Max Capen

Next Deadline: November 5, 1948.

Roy E. Collom, retired vice president of Continental Oil Co., passed away Sept. 24, after a brief illness. His experience in California oil business began in 1910, and he became State Oil and Gas Supervisor in 1921. He afterward became chief geologist, then executive vice president of Marland Oil Co. of California. After the merger, he was vice president and manager of the California division of the Continental Oil Co., and at the time of his death was president of Kettleman North Dome Association.

Tilden Fryer, formerly student at U.C.L.A. is now working for C.C.M.O. at Fellows.

Jack McGill and Clenson Nelson have joined the staff at U.C.L.A. as lecturers in Geology.

Tom Cameron, graduate of Colgate University at Hamilton, New York, is now employed by Tidewater Associated in Bakersfield. Prior to this he spent four and a half years as an officer in the army.

Stewart Martin is resigning from Tidewater Associated in Bakersfield and has accepted a position with the Independent Exploration Co. to work in Texas.

Milo Erhard has resigned from the Honolulu Oil Corporation in Bakersfield and has left for Talara, Peru to work for the International Petroleum Company.

William C. Harrington, with Standard Oil Co. at Elk Hills, became the very proud father of a baby boy, William Baker, born August 27, and weighing 6 lbs. 15 oz.

Sam Watson, who graduated from Cal Tech and received his M.A. at Univ. of California at Berkeley, is now with The Texas Co. in Bakersfield. He had spent 7 years in South America as a mining engineer.

Al Solari, well known geologist and fisherman of the Bay District, has run into unexpected trouble: his best girl friend now insists on inspecting his spark plugs before going out. Is he feeling dull and logy? Has he lost his fire? Ask Al next time you see him.

Our genial president, Bill Winham, displayed some of his old time masterful golf form last month when he won the fourth flight of the handicap division of the California State Amateur Golf Tournament at the Monterey Peninsula Country Club at Carmel. He qualified with an 81 under a 10 handicap and went on to win a nice silver serving tray as a prize for this flight. Bill's "rippling rhythm" swing has kept him out in front in the golfing fraternity for a long time and it seems from this victory that he has not lost any of his tournament ability which he began to show twenty five years ago in the same tournament. In the past whenever there was a geologists tournament Bill always won, and there has been increasing interest lately in reviving this as an annual affair.

Gene Runyan, graduate of U.C.L.A. in 1948, is now employed by Tidewater Associated in Bakersfield. Prior to this he had spent 2 years as an officer in the army.

John Olson, with C.C.M.O. in Bakersfield, became the father of a "10 lb. 5 oz." baby boy, John Walter II, born September 18.

Jerry Ganapole, recent graduate of U.C.L.A., is now with Seaboard Oil Company in Bakersfield.

Tenant Brooks, with Standard Oil Company, has been transferred from Taft to Bakersfield.

Ross Phillips and Bob Bist were observed escorting very comely ladies at the Cal-Wisconsin game in Berkeley. They seemed quite happy over both the score and their companions.

Tom Galbraith is back at his desk in San Francisco after an enjoyable summer in Colorado. It is reported that Tom was studying oil shales. It is rumored, also, that he knows the location of all the best fishing holes in Colorado. If you can't reach Tom, ask Cy Rubel.

Ralph Newton has joined the geological staff of Standard of California. He is stationed currently at Rio Vista.

Joe Graham, erstwhile Micro-paleontologist for Standard of California at Taft, is teaching Micropaleontology at Stanford University.

An audience of about one hundred enjoyed the interesting talk by Gerald Fitzgerald at Bacon Hall, University of California, on October 4th.

Tom Baldwin, formerly with Texas Company in Paso Robles, is now with Jergins Oil Company and will be located in Salinas Valley.

Manuel Mayuga, formerly with Long Beach Oil and Developing Company is now geologist with Long Beach Harbor Department.

John Loofbourow with Barnsdall will attend the board of directors meeting at Hot Springs, Arkansas next week.

CALENDAR

October 28 and 29, 1948, Thursday and Friday, A.A.P.G., S.E.G., and S.E.P.M., Pacific Sections, Huntington Hotel, Pasadena, Annual Meetings.

November 8, 1948, Monday, 7:30 p.m., A.I.M.E., Metals Group.

November 8, 1948, Monday, 7:00 p.m., A.P.I., Coastal Chapter, Ventura.

November 9, 1948, Tuesday, 7:00 P.M., A.A.P.G., San Joaquin Geological Society, Hotel El Tejon, Bakersfield, Dinner Meeting.

November 11, 1948, Thursday, 6:30 p.m., A.I.M.E., Jr. Petroleum Group, Rio Hondo Country Club, Downey.

November 16, 1948, Tuesday, 8:00 p.m., A.P.I., Los Angeles Basin Chapter, Shell Recreation Hall, Signal Hill.

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Vol. 2, No. 10

BIBLIOGRAPHY OF RECENT PUBLICATIONS

°°Pacific Coast Geology
°Other Articles of Special Interest

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A.A.P.G. Bull., Vol. 32, No. 8, August, 1948
"Symposium on Appalachian Basin Ordovician"

A.A.P.G. Bull., Vol. 32, No. 9, September, 1948
"Structural Trends and Fault Systems in Eastern Interior Basin" By Stuart K. Clark and James S. Royds, pp. 1728-1742.

"Buried Topography, Initial Structures, and Sedimentation in Santa Rosalia Area, Baja California" By Ivan F. Wilson, pp. 1762-1807.
° "New Approach in Study of the Origin of Oil" By Ray P. Walters, pp. 1821-1822.

Jour. Geol., Vol. 56, No. 5, September, 1948
"Accent Arctica" By E. A. Bardley, pp. 409-436.

Bull. Geol. Soc. America, Vol. 59, No. 8, August, 1948
"Mechanism of Eruption of Paricutin Volcano, Mexico" By Koward B. Krauskopf, pp. 711-732.
"Application of Breanchons Theorem to Construction of Geologic Profiles" By John B. Mertie, Jr., pp. 767-786.
"Donner Pass Zone of Deformation, Sierra Nevada, California" By Frank S. Hudson, pp. 795-800.

Geol. Soc. America, Memoir 29
°° "Petrography of the Southern California Batholith" By Esper S. Larsen, Jr.

Amer. Jour. Sci., Vol. 246, No. 9, September, 1948
"Occurrence of Authigenic Feldspar in Non-Metamorphic Sediments" By L. M. J. V. von Straaten, pp. 573-577.
"Theory of Andean Orogenesis" By Victor Oppenheim, pp. 578-590.

TRADE JOURNALS AND MISCELLANEOUS MAGAZINES.

Oil and Gas Journal, Vol. 47, No. 22, September 30, 1948
"1947 Geophysical Activity" pp. 70-71.

Notice from the September 11, 1948 issue of the London Nature: "The former German oil journal, *Öl und Kohle* (von Hermann Hamburg; annual subscription, 60 marks). The first issue of 56 pages was brought out by Dr. Karl Zerbe in June. Its contents cover the future problems of petroleum geology and geophysics and the possibilities of applying secondary recovery methods. In the refining section there are articles on the progress of hydrocarbon synthesis and dewaxing. Scientific abstracts and short commercial notices are included. This journal is the official organ of several technical associations."

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PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 2

November, 1948

Number 11

ASSOCIATION ACTIVITIES

The annual fall meeting of the Pacific Coast Section of The American Association of Petroleum Geologists was held at the Huntington Hotel in Pasadena, October 28 and 29, 1948.

On Thursday, the 28th, new oil provinces and discoveries were stressed with papers on the Salinas Valley presented by R. R. Thorup, Harry A. Campbell and R. Stanley Beck. "Bill" Rand talked on the geology of Santa Cruz Island and Lesh Forrest described the West Area of the Tejon Ranch Oil Field. At the afternoon session, Mason Hill talked on the Russell Ranch Oil Field of Cuyama Valley. Wayne Hoylman showed some airborne magnetometer profiles across the Cuyama Valley. John Crowell's subject was the geology of the Hungry Valley Area, south of Gorman. J. H. McMasters presented a paper on the Oceanic Sand and Leo H. Moir, Jr. described the West Mountain Oil Field.

At the noon luncheon meeting the dining hall was completely filled. President Winham presided, and introduced Paul Weaver, national president, who gave an extremely interesting address on "Association Affairs".

A group of interesting papers were presented at the Thursday morning session of the Pacific Coast Section of The Society of Exploration Geophysicists by the following authors: P. F. Clements, R. A. Peterson, Thomas C. Poulter, C. Hewitt Dix, J. L. Soske, Wayne Hoylman and H. M. Engle. L. L. Nettleton, National President of S. E. G., addressed this group at the noon meeting which was held on Friday.

New officers announced by Pacific Coast Section of S. E. G. were: President, Robert Dunlap, Geophysical Service, Inc; Vice President for Northern District, Joe Waterman, Shell Oil Co.; Vice President for Southern District, Hewitt Dix, Cal. Tech. and Secretary-Treasurer, Bill Cortwright, Tide Water Associated Oil Co.

Thursday evening the annual dinner of the Pacific Section of the Society of Economic Paleontologists and Mineralogists was held at the Pasadena Athletic Club. Stanley G. Wissler and F. D. Crawford talked on, "The Miocene-Pliocene boundary in the Los Angeles Basin from the Viewpoint of the Microstratigrapher".

The new officers elected for the ensuing year were: President, Aden Hughes, Union Oil Co. and Secretary-Treasurer, Urshal Armstrong, Shell Oil Co.

At meeting of the Pacific Coast Section of A. A. P. G. held on Friday, October 29, 1948, recent developments in Utah and Canada were covered by J. Stewart Williams and L. M. Clark, respectively. Henry Carter Rea pointed out the possibilities of new stratigraphic trap areas in the Rocky Mountain region. Paul Weaver outlined the history of the Continental Shelf of the Gulf of Mexico. J. Q. Anderson gave a paper on the Guajarral Hills discovery. Foreign areas and the world oil situation were reviewed in the final two papers of the session given by T. L. Lenzen who talked on "The Other Half of the World and Its Oil" and H. R. Tainsh whose subject was, "Tertiary Geology and Principal Oil Fields of Burma".

Election results revealed the following officers were selected to head the Pacific Coast Section for the coming year. President, Cliff Johnson, Richfield Oil Corp.; Vice-President, John Kilkinney, C. C. M. O. Oil Co. and Secretary-Treasurer, Harold Rader, Standard Oil Co. of California.

The annual formal dinner dance which was the last, but by no means the least part of the fall meeting, was well attended.

PERSONAL ITEMS

Jay Glenn Marks, now at Stanford University, is leaving December 5th for Caracas, Venezuela. He will be senior Macropaleontologist for Creole Petroleum Corporation, Apartado 889, Caracas.

Eric Craig and Mrs. Craig are soon to leave for Australia. It is supposed that this trip is for Richfield Oil Corporation.

Ira Cram of Pure, Frank Morgan of Richfield and Jim Dorrance of Texas Company, have just returned from Point Barrow, Alaska after inspecting activities on Naval Reserve No. 4. They travelled a total of 10,000 miles, and while in Alaska, were conducted by Ott Kotick, formerly with C.C.M.O.

Al Gregerson now working for the Danish government will be in Los Angeles this week for a vacation.

James B. O'Flynn has been appointed publicity agent for the San Joaquin Geological Society, by R. B. Hutcheson, chairman.

Leo R. Newfarmer of the Shell Oil Company, and formerly in their South Texas Division, has been transferred to California, where he will become Manager of Exploration on the retirement of M. G. Edwards in January.

George Carr, scout for the Richfield Oil Company in Midland, Texas, has been transferred to California. George will be located in Bakersfield.

Phil Walters, formerly of Continental Oil Co. in Ventura, is now teaching at Kansas State College, Manhattan, Kansas.

H. F. Davies, Vice-President of Richmond of California, has been in Washington D. C. this past month, where he attended a course on "American Business in Latin America", given by the School for Advanced International Studies. Mr. Davies recently returned from a trip to Colombia and other Latin American countries.

Jim O'Flynn of the Richfield Oil Company has been transferred to Paso Robles.

Ralph Arnold says that street widening has necessitated digging up large quantities of bulbs and irises which he will be glad to give to any garden-minded geologists who will call and get them at his home, 1205 Wilson Avenue, San Marino.

Bob Quinn, formerly of the General Petroleum Corporation in Taft, is now with the Wilshire Oil Company.

"Fitzgee" (Thomas J. Fitzgerald) is back on his feet again after undergoing an operation for hernia. An extra icecube in a Kleinpell cocktail caused the strain.

Declan Ford an U. S. L. A. graduate, has recently joined the Tide Water Associated staff in Bakersfield, California.

Congratulations are in order for R. W. Kleinpell who is now a member of the board of directors of the Kern County Land Company. Who said geologists aren't executives?

Charles Fredrick Green, Jr., first saw the light of day in Bakersfield, October 18th. Fred Sr. is holding up nicely.

Roy W. Fletcher has left the Texas Company to manage a hardware business in Sault Ste. Marie, Michigan.

Otto Hackel and Stewart Martin have joined John May in Dallas, Texas. Their address is INTEX OIL CO., (Independent's Texas venture) 4801 Lemmon Avenue.

Al Kerr of the Ohio is the proud father of an 8 lb. boy, Brian Gary, born September 16, 1948.

Is it true that Tom "Flat on his Back" Woodward drives two new Cadillacs?

R. L. Hewitt became the proud father of a 7 lb. baby girl, Rosne Lyle, born November 3, 1948.

George Carr of Richfield's Scouting Department in Midland, Texas, is now active in the company's Bakersfield office.

Bakersfield friends of Harold Billman, Union's "paleo" man in Washington, were happy to see him for a couple of days near convention time.

R. Stanley Beck gave a fine house warming party (progressive in nature) on October 20th at his place of business, 621 Truxtun, Bakersfield, California.

The Northern California Geological Society, under the stimulating leadership of Bill Barbat, is holding a weekly luncheon at 12:15 on Mondays at the New Delmonico on Sutter Street in San Francisco. This weekly gathering is a recent innovation and is proving very popular. Attendance ranges from fifteen to thirty.

Al Solari, the handsome perennial bachelor from San Francisco, enjoyed the recent U.C.-U.S.C. game in the Coliseum with some friends who called him "Solari" as often as they did "Al". When Celeri went into the game for Cal a sweet young lady in the next row back touched Al on the shoulder and asked: "Oh, Mr. Solari, is that your son?" Whereupon, Al blushed and one of his friends drawled: "Well, Al, that's another milestone in your life."

Allen Weymouth, formerly with Standard Oil Company of Texas, is now with the American Independent Oil Company and has headquarters in San Francisco.

Elmo Adams recently returned to San Francisco from a postman's holiday in the Rocky Mountains.

R. P. (Bert) Miller of Richmond Petroleum Company of California can certainly keep a secret. He left for his vacation last July without dropping a hint, and it wasn't until he returned, beaming, that everyone found out he'd been honeymooning at Lake Tahoe.

EXECUTIVE COMMITTEE, PACIFIC SECTION
AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Wm. P. Winham	President
Harvey W. Lee	Vice-President
Peter H. Gardett	Secretary-Treasurer
Martin Van Covering	Past-President

PACIFIC PETROLEUM GEOLOGIST

Published monthly by Pacific Section, American Association of Petroleum Geologists. Address communications to Pacific Petroleum Geologist, Room 700, 601 W. 5th St., Los Angeles 13.

Editor:	Hugh McClellan
Assistant Editor:	Stanley Siegfus
Department Editors:	
Activities:	Russell Simonson
Personal Items:	Ted Bear
Selected Bibliography:	E. R. "Bob" Orwig
Calendar:	Jack Knight
San Francisco Representative:	Graham Moody
San Joaquin Representative:	James B. O'Flynn

Next Deadline Monday December 6, 1948.

EDITORIAL

The end of the second year of The Pacific Petroleum Geologist approaches -- next month a new editor and staff take over. It therefore behooves the present editor to take his pen in hand while yet there is time.

A number of our readers have been kind enough to say nice things about the news letter, and express hopes for its continuance, and since it lives only for its readers, it will, without doubt, be continued so long as that spirit prevails. Much as he would like to, the editor cannot gather these bouquets unto himself. Most of the material was collected and written by the staff and by contributors, who really did the hard work.

The editor has one suggestion that he believes would result in a more complete coverage of the news and a better news letter. The way has been pointed by the Pacific Coast Section of the Society of Exploration Geophysicists and the San Joaquin Geological Society, each of which appointed a publicity agent from among its members. Let each of the local geological societies in California appoint a publicity agent, who will automatically become the correspondent for The Pacific Petroleum Geologist, and a complete coverage of the news would be possible.

In conclusion the editor wishes to thank the assistant editor, Stanley Siegfus, who will be editor for the coming year, and all members of the staff, who, by their hard work, have made the news letter possible during the past year.

Hugh McClellan

G. J. (Jerry) Hulsewe recently returned from Venezuela where he has been with Richmond Exploration Company for several years. Jerry expects to be based at San Francisco for some time.

The November 1st luncheon of the Northern California Geological Society was enlivened by the arrival from the Rocky Mountains of R. E. Lindsay and R. L. Tallant who forsook their customary diet of elks to nibble on a bit of roast beef at the New Delmonico.

Although this report cannot be substantiated through our Bakersfield correspondent, it is learned from sources believed reliable, that some prominent members of the profession are starting a movement to either improve Bakersfield jails or reduce the cost of bail bonds.

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CALENDAR

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- "Further Observations on the Ross Shelf Ice" By A. D. Howard, pp. 919-926.

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**PACIFIC PETROLEUM GEOLOGIST
PACIFIC SECTION, A.A.P.G.
ROOM 700
601 WEST 5TH STREET,
LOS ANGELES, CALIFORNIA.**

RETURN POSTAGE GUARANTEED

Vol. 2, No. 11

**Fred R. Neumann
1237 Citrus
Chico
California**

December 2, 1948, Thursday, 12:00 noon, A.I.M.E., Petroleum Chapter, University Club, Luncheon Meeting.

December 6, 1948, Monday, 7:30 p.m., A.I.M.E., Metals Group, Ethyl Auditorium, Los Angeles.

December 9, 1948, Thursday, 6:30 p.m., Jr. Petroleum Group, Rio Hondo Country Club, Downey.

**November 16, 1948, Tuesday, 8:00 P. M., A.P.I.,
San Joaquin Valley Chapter, 11-C Meeting
Hall, Standard Camp, Taft.**

November 15, 1948, Monday, 7:30 p.m., A.A.P.G., Pacific Section, Geological Forum, Room 155, Arms Laboratory, California Institute of Technology, Pasadena.

November 16, 1948, Tuesday, 8:00 p.m., A.P.I., Los Angeles Basin Chapter, Shell Recreation Hall, Signal Hill.

GEOLOGICAL FORUM MEETING

Monday, November 15, 1948 7:30 p.m. sharp

Room 155, Arms Laboratory, California Institute of Technology - Pasadena

1. Big Pine Fault - T. W. Dibblee, Richfield Oil Corp.
2. Geology of the Western End of Antelope Valley - John Wiese, Richfield Oil Corp.
3. Comments on the International Geological Congress (Illustrated) - Dr. Ian Campbell, California Institute of Technology.
4. Wanderings in Egypt (Illustrated) - Dr. V. L. Vander Hoof, Stanford University.

Spencer Fine, Richfield Oil Corp.,
Chairman, this meeting.

CALIFORNIA FIELD TRIP GUIDEBOOK

There are still a number of copies available of the A.A.P.G. - S.E.G. - S.E.P.M. Field Trip Guidebook from the 1947 National Convention held in Los Angeles. These sell for \$2.50 per copy, obtainable from John C. Hazzard, Union Oil Company of California, 617 West 7th Street, Los Angeles 14, California or \$2.65 postpaid.

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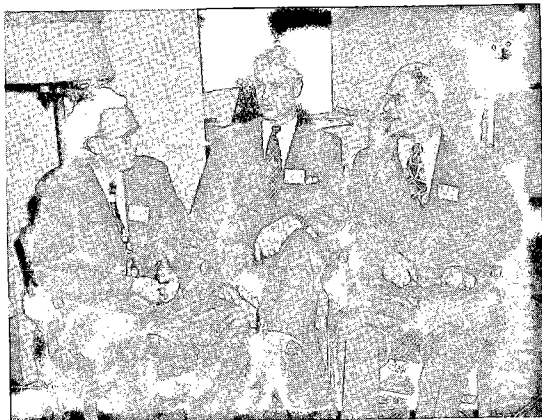
PACIFIC PETROLEUM GEOLOGIST

NEWS LETTER OF THE PACIFIC SECTION AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Volume 2

December, 1948

No. 12



NEWLY ELECTED OFFICERS OF PACIFIC SECTION AAPG

Left to right: John Kilkenny, CCMO, Los Angeles, Vice President; Clifton W. Johnson, Richfield Oil Corp., Los Angeles, President; Harold Rader, Standard of Cal., Los Angeles, Secretary and Treasurer.

ASSOCIATION ACTIVITIES

California's geological navel was the subject of close scrutiny by 150 local geologists when the Geological Forum of the A.A.P.G. Pacific Section met at California Institute of Technology on November 15 under the leadership of Spencer Fine of Richfield Oil Company's Ventura office.

Dr. Ian Campbell led off with a brief summary of the recent meeting of the International Geological Congress in London and followed this by a well-prepared travelogue on several field trips in Scotland. The talk was beautifully illustrated with Kodachrome slides depicting scenes of both geological and historical interest and indicating that some of his cousins in the old country had found vocations perhaps more remunerative than the average geologist, judging by the photographs of the estates in which they now live. He pointed out that the Congress originated in 1878 with delegates in the early days being appointed by their respective governments, but that it had gradually grown in size and looseness. The recent meeting was attended by six geologists from Southern California and six from Russia, among countless others, he said.

John Wiese and Tom Dibblee, both of the Richfield Oil Company, presented papers on "The Western End of the Antelope Valley" and the "Big Pine Fault", respectively. Both of these areas are in close association with California's navel (the intersection of the San Andreas Fault and Garlock Fault) and were supplemented by extensive comment by John

Crowell, Instructor in Geology at U.C.L.A., who has also done extensive mapping in the area.

Dibblee pointed out that the Big Pine Fault may be the western extension of the Garlock Fault, but offset about three miles along the San Andreas Fault. His paper was well illustrated with aerial photos of both the Garlock and Big Pine Faults showing both to be left lateral faults judging by offset drainage patterns. He said that offset of a major syncline and fault along the Big Pine Fault indicated a horizontal slip of eight miles. By way of generalization he grouped major faults in southern California with a northwest-southeast trend as right lateral faults and those with an east-west trend as left lateral faults.

Wiese's talk was the result of field work in the quadrant southeast of the intersection of the two major faults. It is hoped that the pattern of associated minor faults developed in this area may throw some light on the tectonics involved in the major earth movements. The intersection of these two major faults is perhaps the most intriguing tectonic problem in California geology and yet is to date, not adequately mapped, much less understood.

Dr. V. L. Vander Hoof of Stanford University was unable to attend the meeting, and his talk, "Wanderings in Egypt" was postponed to some future date.

JOHNSON DISTRIBUTES LARGESS

Newly elected president Cliff Johnson has been busy at the pork barrel, and after carefully sifting through available material and discussing same with the executive committee and last years work horses, has come up with a new committee slate.

The Study Group Committee is now headed by Irvin Frazier, geological scout for the Texas Company, assisted by Dr. Ian Campbell, professor of Geology at Cal Tech, and Loyde Metzner, geologist for the Signal Oil and Gas Company. It is felt that Dr. Campbell will represent the academicians in planning future geological forums. The Committee has selected Don Davis, geological scout for the Union Oil Company, as chairman of the next forum, scheduled for December 20, at which time the Santa Maria area will be the topic.

E. J. Buddenhagen, senior geologist with Shell Oil Company, is newly appointed program chairman. It is his duty to plan programs for the monthly luncheon meetings in Los Angeles and also supervise selection of distinguished lecturers. Following announcement of the availability of a distinguished lecturer by the national committee, Buddenhagen will feel the pulse of each local group (San Francisco, Bakersfield, Santa Barbara, and Los Angeles), and if three out of four express their desire to hear the lecture, the man will be asked to include California in his itinerary. The cost of this service to the Pacific Section is between \$100 and \$150. A distinguished lecture for the latter part of January is in the process of selection at the present time.

Herschel Driver, senior geologist for Standard Oil, is chairman of the Research Committee with Russ Simonson, Ohio Oil Co., as secretary. Driver has appointed an active committee composed of Frank Carter, General Petroleum, John Hazzard, Union, Stanley Herold, consultant, F. D. Bode, Texas, Manley Natland, Richfield, and DeWitt Taylor, Shell. These men are assisted by an advisory committee composed of Bob Atwill, Tom Bailey, Roy Barnes, Bill Corey, Jim Dorrance, G. C. Gester, Paul Goudkoff, Harold Hoots. Loyde Metzner, Graham Moody, Bob White, Bill Winham, Stan Wissler, Earl Noble, Martin Van Couvering, Claude Leach, Cliff Johnson, and Glen Ledingham. The first meeting of this committee on November 17 was attended by Driver, Simonson, Carter, Corey, Hazzard and Herold. Their immediate job is to select a subject and author for presentation of a paper to the Research Symposium. "Control of Petroleum Accumulations by Sedimentary Facies," at the National Convention in St. Louis in the spring. The local group has tentatively selected the Stevens sand as the subject, but has not yet selected the author. Six other topics were considered and more suggestions would be welcomed by the Committee in case the Stevens sand topic proves too great a problem to handle.

Publicity chairman for the coming year is Al Vitt, assisted by Jack West, both of Seaboard Oil Co., Glen Ledingham, chief geologist of Western Gulf, has been chosen by the San Joaquin Valley Geological Society to represent them on the Executive Committee.

The speakers table at the Northern California A.A.P.G. weekly luncheon was graced on November 29th by the appearance of Bill Kew, climaxing his recent swing through such distinguished gatherings as the International Congress in London and the G.S.A. sessions in the east. All visiting geologists and particularly A.A.P.G. members are heartily invited to drop in at these weekly gatherings at the New Delmonico, Sutter Street, if they find themselves in San Francisco at lunch time on Mondays.

EXECUTIVE COMMITTEE, PACIFIC SECTION
AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Cliff Johnson	President
John Kilkenny	Vice-President
Harold Radar	Secretary-Treasurer
Wm. P. Winham	Past-President

PACIFIC PETROLEUM GEOLOGIST

Published monthly by Pacific Section, American Association of Petroleum Geologists. Address communications to Pacific Petroleum Geologist, Room 1060, 417 South Hill St., Los Angeles 13.

Editor:	Stanley Siegfus
Assistant Editors:	John Looftbourou James Benzley
Department Editors:	
Activities:	Harold H. Sullwold
Personal Items:	Don Davis
Selected Bibliography:	E. R. "Bob" Orwig
Calender:	Jack Knight
San Joaquin Representative:	Ralph E. Brodek
San Francisco Representative:	Earl Dillon

Next Deadline: January 4, 1949.

PERSONAL ITEMS

Lesh Forrest, Don Davis and Irv Schwade are now accepting bets on the outcome of the Rose Bowl Game. All are Northwestern graduates!

Tony Morris, of the General Petroleum Corp., now is the proud papa of Cristell Morris, born in Bakersfield Nov. 11th. Her mother is Maria Miller Morris of Laguna Beach.

John Ruth of the Standard Oil Company has contributed John Edward Ruth to the ranks of future geologists. John "E" first saw the light of day on Nov. 8th and weighed in at 7 lbs., 9 oz.

John Anderson of the Humble Oil & Ref. Co now knows what it means to become a father twice--all at once. His wife and twins arrived from the east several weeks ago. These Texans never do things half-way!

Mark White of the Standard Oil Co. Paleo Lab crashed through with a girl, born last Nov. 22. Name: Toni Lianne. Classification: Brannew dotteri.

Homer Steiny of the TWA is enjoying his first vacation in 30 years or so and has managed to stay away for a month. Homer has already toured half the west and was headed north for the "Big Game" when last seen.

Claude Leach, of the TWA in Los Angeles, recently returned from a South Texas AAPG trip to Mexico. Pres. Aleman entertained the group in Mexico City. In the group was J. Ben Carsey, also from California. (at the time -- see below)

J. Ben Carsey, of the Humble Co. is returning to Houston to assume the duties of Chief Geologist. Mr. Edw. J. Hamner has been appointed Manager of California Exploration.

Frank Carter of the General Petroleum Corp. journeyed to the office of the Socony-Vacuum Corp. several weeks ago. On the return trip, he browsed around the Rocky Mountain district.

Bob Orwig, of General Petroleum Corp., recently qualified for his doctor's thesis program by successfully passing his oral examinations.

VOTE! VOTE! VOTE!

You are hereby reminded that you have a ballot on your desk which you have probably forgotten all about. It is for national A.A.P.G. officers, and if you don't know where to put your X, just look at the pictures of the candidates on pages 2150-2152 in the November Bulletin. If necessary read the form charts, too, on each candidate. This is a rare opportunity to exercise your franchise because there is more than one candidate for all but one office. If we display our interest in national affairs by a large turnout we may even get a California man on the ballot next year.

S.E.G. NEWS

CURTIS H. JOHNSON, geophysicist with General Petroleum Corp. at Los Angeles, is a nominee for the office of Secretary-Treasurer of the Society of Exploration Geophysicists for the 1949-50 year. He is currently completing a term as President of the Pacific Coast Section of the Society.

Mr. Boris Laiming of The Texas Company addressed the Wilshire Ebell Club on Nov. 17th, extolling the virtues of Fire Prevention. Boris is a nationally recognized figure in this work.

Bill Moran, of Union Oil Company, is back in the States for a few weeks having returned from Paraguay loaded with more records for his collection. Bill has been missed at Pico Canyon for the last two years.

Al Gregersen is sojourning in the good old U.S.A. and is scheduled to speak before the AAPG luncheon meeting on Dec. 9th, at the Clark Hotel.

W. S. W. (Bill) Kew, of Standard Oil Co. of California, returned from a European trip on Nov. 12, sporting a new pair of shoes purchased in Switzerland -- Swiss movement, no doubt.

Eric Craig is in Australia for the Signal Oil & Gas Co., which has taken over the Richfield Oil Corp. concessions.

Rod Cross has returned from Sicily where he did some work for the Macmillan interests. His compatriot, Warren Hunt, was last reported to be touring Europe to see what he can see.

Harold Fothergill, of Union Oil Co., is now in Santa Maria after having spent the summer in Washington.

Milt (Guijarral) Lewis was last seen pricing a small mansion in Alta Cañada. He will install bullet-proof windows as protection against hunters!

Norman (Cy) Hardy, of Standard Oil Co., attended a Board of Directors meeting here last month. He flew in and out so fast we almost missed him!

Jim Saunders, recent U.C.L.A. grad, is now in Buellton working for the Tide Water Assoc. Oil Co.

If you want to see Graham Moody's vest tighten up, just ask him about "G-3". Seems that "G-3" caused Graham to become a grandfather some time ago. Graham Moody II (G-2") is working with Standard Oil Co. in Los Angeles.

Harold Wyatt, formerly with Shell Oil Co., Inc., was elected a Director of the Occidental Petroleum Corp.

The advance Alaskan patrol is now back on the job after vaca, I mean working in the cold country for several months. The patrol consisted of John Hazzard, Joe Bryan and Gene Borax of Union Oil Company and Rick Shoemaker of the Ohio Oil Co.

The Rift Club held its semi-annual field trip Sunday, Dec. 5th, traveling en masse over the Santa Ynez Mountains via Ojai-Maricopa Road. The tour was conducted by Tom Dibblee, Jr., who has been working in this area for many years. The election of Rodney Gale as the incoming president, took place in the open air, leaving John Hazzard as past president of the club.

Keith Bright, formerly with Baroid, is now associated with The KEN Corp. in Bakersfield. The corporation is specializing in oil well drilling fluids and has the franchise to handle the oil base fluid developed by Union Oil Company.

Glen Ledingham is now in great demand as a Santa Claus after his recent performance at the Los Amigos Dance Club in Pasadena.

Ed Hendricks, of Standard Oil Co., is bragging about a boy born Dec. 4th. These Standard boys are certainly busy.

The Coast Geological Society held its monthly meeting Dec. 13th at Eaton's Restaurant in Santa Barbara. T. W. Clements, Bob Paschall, Milt Loy and Clark Edgecomb were speakers for the evening. Bob (Water Well) Williams is now Chairman of the Society for the coming year.

That red-head seen riding with Bill Thomas was a 20 lb. turkey won at a Texas Company raffle.

Bill Merrill is back in Ventura again after a few months in the Salinas Valley.

Mr. Chaville and Mr. Burger, assistant chief geologists of the Repal Company and Society Sheriff Petroleum Co. of Algeria, were visiting in the San Joaquin Valley. They reported a recent 1400 B/D schist discovery in Morocco.

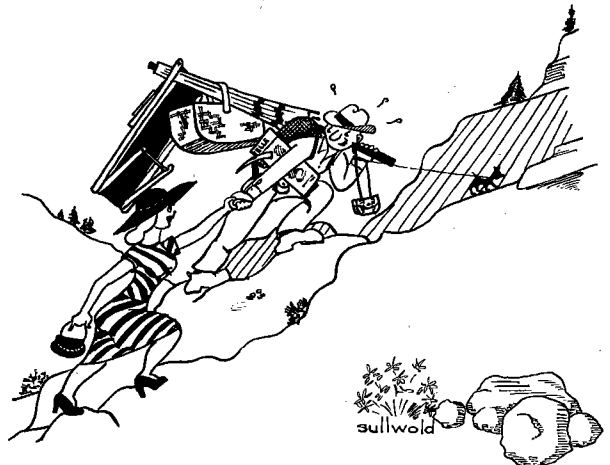
Floyd Johnson of Honolulu Oil Co. and his wife arrived in San Francisco for the "Big Game". Imagine his embarrassment when he reached for tickets that had been left back home in the desk drawer. Herb McMasters obliged by burglarizing the Johnson domicile and forwarded the tickets just before the gun went off. Well, it was worth a broken window to this Stanford man.

Jack Parle, former Lane-Wells engineer and current Geophysical permit scout and land man for the Western Gulf Oil Co., has resigned to accept a position as State Senior Evaluation Engineer for Petroleum and Mining. He will reside in Los Angeles.

Ed Pickett, Wilshire Oil Co., has just returned from Wyoming. It was too cold!

Lowell Saunders arrived home from a geological meeting in Texas. He reports that Independent Exploration's "Intex" under John May's direction is swabbing oil in their first wildcat venture.

The Central Valley Scout Assn.'s annual Xmas party was held at the El Tejon. A select group was invited--Wahoo!



"NICE OF YOU TO COME ALONG, DEAR"

When a routine announcement was made that the cores of several wells in Northern California would be open for sampling on November 18th and 19th the usually quiet and orderly Northern contingent seriously underestimated the full importance of the occasion. The matter of collecting samples suddenly assumed such far-reaching significance that even the high brass were impelled to take personal charge of the job and all concerned agreed that this was one of the most timely and interesting sample parties thus far conducted in Northern California. The Pheasants were abundant, particularly in the Willows area; excellent shots were had by all, and excellent bags by some. With sampling and shooting completed on November 19th many visiting delegates rounded out a successful trip by attending the Big Game in Berkeley the following day.

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- o Other Articles of Special Interest

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- o "Relative Role of Some Geological Tools in Oil Exploration" By H. H. Suter, pp. 2127-2139.

Bull. Geol. Soc. America, Vol. 59, No. 11, November, 1948

- "Petrology and Structure of the Percy Quadrangle, New Hampshire" By Randolph W. Chapman, pp. 1059-1100.
- oo "Mylonite Belt in the Southeastern San Gabriel Mountains, California" By Raymond M. Alf, pp. 1101-1120.
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World Oil, November, 1948

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- o "Well Sample Library" By Dr. John T. Lonsdale, pp. 110-119.
- "Stretch of Suspended Pipe", pp. 120-123.
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- oo "New Try for Signal Hill Deep Zone" By Richard Sneddon, pp. 177-181.

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417 SOUTH HILL STREET,
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RETURN POSTAGE GUARANTEED

Vol. 2 No. 12

CALENDAR

- December 9, 1948, Thursday Noon, Clark Hotel, A.A.P.G., Monthly Meeting, Al Gregerson speaker.
- December 15, 1948, Wednesday, Western Oil & Gas Association, Wildcat Show, Biltmore Hotel.
- December 20, 1948, Monday, 7:00 p.m., A.A.P.G. Study Group Meeting. Speakers on Santa Maria Area. Place of meeting, etc., to be announced by card.
- January 10, 1949, Monday, 7:30 p.m., A.I.M.E. Metals Group, Ethyl Building, High Speed Photography.
- January 10, 1949, Monday, A.P.I., Coastal Chapter, details later.
- January 11, 1949, Tuesday, 7:30 p.m., A.I.M.E., Indust. Minerals Group. "California Natural Resources" and "Man Against Rock". (movies), Arms Laboratory Building, California Institute Technology, Pasadena.
- January 13, 1949, Thursday, 7:00 p.m., Junior Pet. Group. Panel on Reservoir Engineering. Rio Hondo Country Club, Downey.
- January 18, 1949, Tuesday, A.P.I., San Joaquin Valley Chapter, Bakersfield, details later.
- January 19, 1949, Wednesday, A.P.I., Coalinga-Kettleman Chapter. Polvadero Country Club.

TESLA QUADRANGLE REPORT

The Division of Mines announces the publication of Bulletin 140 entitled "Geology of the Tesla Quadrangle" by Arthur S. Huey, formerly with the Shell Oil Co. and now chief geologist with the Hancock Oil Co. This is the fourth in a series of quadrangle studies issued by the Division of Mines, the three previous reports covering San Benito, Jamesburg and San Juan Bautista quadrangles. The Tesla report includes 8 pages of photographs and 3 plates including structure sections, an economic map and geological map. The area covers the eastern third of Alameda County east of San Francisco.

ATTENTION GOLFERS

Since the mention of a geologists golf tournament in connection with victory of Bill Winham at Carmel, several geologists have inquired about the possibility of such a tournament. As this will depend on the number that want to participate, our president has suggested that those interested send in their names to the News Letter office and steps will then be taken to arrange something fair to all.

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