

With the Board

IT WAS WITH great pleasure that the Board of Directors recently voted Professor Sorensen an honorary member of the Association. This action, although a sincere attempt to express heartfelt gratitude to a great and good friend, seems inadequate as a means of expressing the appreciation and good wishes felt by all alumni. We know however, that Professor Sorensen will understand that this action bespeaks friendship and respect beyond the ability of any medium to convey fully.

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Fred Schell told of plans that Fred Peterson is making for an Alumni field trip in May. The place to be visited had not been decided by deadline time, but perhaps by now you know. Our bet, based on the discussion, is that it will be a good trip.

Fred Schell also told of plans for the annual banquet and of his attempt to hold this at the Athenaeum. In the past the banquet chairman has been on the horns of a dilemma; either he holds it at the Athenaeum and has to reject some late applications for reservations, or he holds it at some remote and less desirable location and doesn't attract as many reservations as could be accommodated. It seems that perhaps the best solution is to hold it at the Athenaeum and reward the early applicants with tickets.

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By the time this appears the Annual Seminar will have been held and an experiment which now seems very attractive will have been tried. As a result we shall have some information on the desirability of providing a program for alumni wives. When Carl Tutschulte started to prepare a wives' program he wasn't fully convinced that it would be popular. As he got into his planning, however, he found that the wives who were asked were very enthusiastic in supporting and cooperating in the arrangement of such a program.

The Board of Directors and Seminar Committee would appreciate receiving your opinion of this experiment as an aid in guiding future Seminar Committees. A card to the Editor will do it.

H. K. F.

Professional Engineering Registration in California

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under the direction of a Civil engineer legally qualified to practice. All applicants must be of good character and Civil engineers must be at least 25 years old.

Since engineers other than Civil engineers may practice engineering in California without registration one may well ask, "Should engineers register?" The number of applications received by the Board since September 19, 1947 as listed below, in round numbers, may serve to answer the question for some.

Number of applications for Professional engineering registration September 1947 to March 31, 1948:

Chemical	300
Electrical	750
Mechanical	1300
Petroleum	300

About 1,000 Civil engineers applied for registration during 1947 and the applications filed to date indicate the same number for 1948.

Civil engineers have been registering in California since the passing of the original Act in 1939. That act has been amended several times. The first amendment provided special registration for Civil engineers acting as structural engineers, and the last one, September 19, 1947, provided for registration of Chemical, Electrical, Mechanical, and Petroleum engineers.

Who is qualified for Registration? Obviously the first requirement is excellence of character.

The second is a proper knowledge of the fundamental sciences, and the mathematics that are the tools of the engineer.

The third is a conception of the principles of engineering in terms of the physical use and dimension parameter of the material and methods involved.

In evaluating these characteristics, it is obvious the many persons not engineers use engineering methods to a limited degree and are thereby often specialty technicians rather than engineers. So long as these men do not call themselves engineers they have no reason for registration, and by the same token should not per se consider a knowledge of codes as qualification for professional engineering registration.

Those who have operated under the registration act viz the Civil engineers have found the act good and it is the opinion of the writer that the engineers now registering will, as time passes, learn that much has been gained in fixing the standards of the engineering profession.

The writer is a member of the present Board of Registration, but the views expressed are solely his own individual opinions and should not be construed in any way as official Board regulations.

PERSONALS

1920

WILLIAM C. RENSHAW, formerly with the San Francisco Water Department's engineering organization, has recently been appointed water engineer for Inglewood, California.

1927

ROBERT B. VAILE JR., Ph.D. '36, is now employed in a supervisory capacity by the Armour Research Foundation, Chicago. From June 1941 to October 1945, Bob was on the staff of the Naval Ordnance Laboratory as chief of the Applications Subdivision of the Research Division, engaged in research and development of naval ordnance.

1930

HERBERT H. DEARDORFF, with the State Division of Highways, has recently been transferred from San Francisco to the Sacramento office of the Division.

WALTER C. MICHELS, Ph.D., has returned to Bryn Mawr College, where he is professor of physics. In 1941 and 1942, Michels was with the Naval Ordnance Laboratory. After September 1942 he entered the office of the Chief of Naval Operations, first as a civilian and later as a naval officer, serving a short term with a Naval Technical Mission to Japan.

1931

LUCAS A. ALDEN, Ph.D. '35, is assistant treasurer in International Trade, Shipping & Banking at W. R. Grace & Company, New York.

CHARLES K. LEWIS, M.S. '32, formerly with Morrison-Knudson Company, Inc., has accepted a position with Clingan and Fortier, Inc., San Francisco. Lewis has charge of engineering and the general supervision of the reinforcing and structural steel placing and erection operations of this firm.

CHARLES A. WILMOT, with the Ethyl Corp., was transferred to Baton Rouge, La., at the first of the year. Charles continues as a chemist.

1932

LYNN H. RUMBAUGH, Ph.D., is chief of the Research Department of the Naval Ordnance Laboratory in Washington, D. C. From October 1940 to December 1941 Rumbaugh was engaged in degaussing work at the NOL and then spent the major part of 1942 in the South

Pacific, and Southwest Pacific areas in ordnance and advance base planning work. During the war, his principal activities were in torpedo development and various other problems such as the development of magnetic airborne magnetometers for geophysical survey.

MERIT P. WHITE, M.S., Ph.D. '35, is professor of Applied Mechanics in the Department of Civil Engineering at the University of Massachusetts. A School of Engineering has been established at the University in the last year, and White writes that "it is already doing rather well".

1933

EDGAR G. CRAWFORD is the project manager for J. E. Haddock Company, Contractors, on a large home-building project for Marine View Inc. in the San Pedro hills.

RAY H. CRIPPS and **ARTHUR E. LAMEL**, partners in American Electric Motors, Inc. of Los Angeles, have just announced a plan to give 10-year employees of their factory a year's paid vacation. In partnership with Philip W. Zonne, Ray and Arthur took over the direction of American Electric Motors, Inc. a year ago.

1935

LAWRENCE W. BALDWIN has been promoted to head the External Instrumentation Section of the Naval Air Missile Test Center, Point Mugu, Calif.

1936

TYLER THOMPSON is the minister of the Weston Methodist Church in Weston, Mass. Ty and family are considering a return to the Orient after he receives a Ph.D. in philosophy some time in the near future.

1937

COL. DONALD P. GRAUL, M.S., former commanding officer of the Air Materiel Command's Watson Laboratories at Red Bank, N. J., was named deputy chief of the Electronics Subdivision of the AMC Engineering Division, Wright Field, Dayton, Ohio.

NEWMAN A. HALL is now professor of Mechanical Engineering at the University of Minnesota.

JACK KINLEY is doing the research for the M. M. Kinley Company, Oklahoma on applications of explosives to the oil industry and on new tools and servicing methods. Kinley has assisted his father for six years in oil and gas well fire-fighting and blowout plugging.

DEAN NICHOLS has started a medical practice in his home town, Helena, Montana. Dr. Nichols served his internship in Baltimore city hospitals and later became a fellow in dermatology and syphilology in the Mayo Foundation Graduate School of the University of Minnesota at Rochester. He will limit his practice to diseases of the skin and syphilology.

1938

WILLIAM R. SEARS, Ph.D., was recently inducted as a fellow of the Institute of the Aeronautical Sciences. Sears received a certificate in recognition "of valuable contributions to the advancement of aeronautics" at the Institute's Honors dinner last January. He has served as director of Cornell's Graduate School of Aeronautical Engineering since it opened in 1946. From 1941 to 1946 Sears was chief of aerodynamics for Northrop Aircraft, Inc., at Hawthorne. He is also a member of the

scientific advisory board to the commanding general of the Air Forces and the aerodynamics committee of the National Advisory Committee for Aeronautics.

HOWARD SEIFERT, Ph.D., lecturer in jet propulsion at the Institute, informs us that his wife, Mary Harris Seifert, has just been awarded a Eugene Saxton Memorial Fellowship by Harper and Brothers, publishers. The fellowship consists of a grant of \$1,200 for the year 1948 to assist her in the completion of a novel portraying American family life. Mary previously was secretary to the Institute's Physics Department and to the Purchasing and Building and Grounds Department, and wrote a column for the "California Tech".

1939

CAROL M. BEESON, Ph.D., has resigned from the Production Research Division of General Petroleum to take the position of associate professor of Petroleum Engineering at USC.

GEORGE M. HOTZ married Miss Elizabeth B. Armiger of Washington, D. C. last February.

1940

JOHN M. WILD, associate professor of the Graduate School of Aeronautical Engineering at Cornell University, spoke at the 16th national meeting of the Institute of Aeronautical Sciences in New York last January on the research in aerodynamics carried on at Cornell during the past year. Before going to Cornell in September 1946, Wild worked with Northrop Aircraft, Inc. in Hawthorne as supervisor of aerodynamics.

1941

LEO C. LEVITT received an M.A. in physics from Princeton in April.

JOSEPH WEISS was married in February to Miss Phyllis Kaligan of Hollywood. Joe is working for the Westinghouse Electric Corp. in Los Angeles as a panelboard sales engineer.

1942

FOREST M. CLINGAN, a lieutenant in the Navy, is presently stationed in Washington, D. C.

SYDNEY K. GOLD, who is working with the Bahrein Petroleum Company Limited in New York City, has been in California recently for a couple of months on an engineering assignment, working with the Bechtel Corporation in San Francisco.

ROBERT F. HALL is working as an engineer for Western Electric Company in Kearny, New Jersey. Bob has a 15-month-old son, Robert Davies.

WARREN HALL is a full time lecturer in the UCLA Engineering Department. He is also registration advisor to all transfer students.

CARTER HUNT, with Hiram Walker & Sons, Inc., was transferred this spring from Peoria, Ill., to their West Coast offices in San Francisco.

JOHN W. MILES, M.S. '43, A.E., Ph.D. (E.E.) '44, is an assistant professor in the UCLA Engineering Department. In addition to teaching courses in electrical, and aeronautical engineering, he has done some consulting work for local industrial firms and teaches courses in mathematical analysis.

MEREDITH M. NYBORG is now a test engineer at the U. S. Naval Air Missile Test Center at Point Mugu, California.

GEORGE P. SUTTON writes that he

is now a research engineer with North American Aviation. He informs us that **DOUGLAS HEGE** and **TOM COLEMAN** (both M.S. '46) are also working for North American, and that **MERLE SMALLBERG '42** is with Marquard Aircraft.

1943

RICHARD A. SUTTON, M.S. '47, has recently started work for the Creole Petroleum Corporation and is stationed in Maracaibo, Venezuela.

FRED H. TENNEY, reported a medical student at the University of Rhode Island in the March issue of E&S, writes to correct the item: "I am currently a graduate student at the U of Rochester with hopes of a Ph.D. in physics. The medical student of closest kin is my wife who is also enrolled in the U of R."

1944

GEORGE E. ALVES has just become engaged to Miss Marguerite Ethel Wilson of Delaware. George is doing research at the E. I. du Pont de Nemours experimental station in Wilmington and his fiancée is teaching in the Newark, Delaware school system.

1945

WILLIAM B. ROGERS married Miss Martha E. Young of Kalamazoo, Michigan last February. Bill also graduated from the University of California's school of engineering at Berkeley in February.

FRANK M. DAY became engaged to Miss Doris Anne Weyl of New York last February. Frank is now working with The Budd Company in Pennsylvania.

1946

CHARLES HENRY KING JR., M.S., was married to Miss Nancy Arnold of Rhode Island last December. Charles is now a research chemical engineer with the Pratt and Whitney Division of United Aircraft Corporation in Hartford, Connecticut.

HENRY THOMAS PONSFORD, M.S., A.E. '47, now studying for a Ph.D. at the Institute, married Miss Marian Madden of San Francisco last December.

STUART A. WARREN, M.S., is now operations coordinator at the rocket test station of North American Aviation in Inglewood. Stu's family has just been increased by a girl—he now has three daughters.

1947

BURTON CRUMLY entered General Electric's test program after graduation, and spent August and September on Locomotive Control Engineering. Burt was then accepted for the Advanced Engineering Course and was transferred to Schenectady, where he worked on Steam Turbine Test. At the time of writing he expected Industrial Control to be the next step in his training program.

HARRY H. HAUGER was the recipient of the ASME's Spirit of St. Louis award for 1945 through 1948 at the Southern Calif. Section's Junior Awards Dinner, March 30. Harry is an air conditioning engineer with Douglas Aircraft.

ALLEN EUGENE SENEAR, Ph.D., became engaged to Miss Virginia Koch of Illinois last January. During the war, Allen worked for the Institute on government-sponsored research, and he is now located in Santa Barbara, where he is an instructor in chemistry at Santa Barbara College.