

opinion as to your desire for another function of the same kind. If you want it, Carl has volunteered to shoulder the load and to arrange for another dance, tentatively suggested for October. Let us hear from you, and we will pass the word on to Carl.

NAVY BASE IN MINIATURE

A 14,000 square foot model of a 60-square-mile naval base to be built at an undisclosed place in the Pacific will be used in studying effects of waves, currents and "other hydro-dynamic phenomena or ocean behavior", according to Dr. Robert T. Knapp of California Institute of Technology's Department of Mechanical Engineering, who will supervise construction of the model.

To be located in Azusa, California, the model will be built at a scale of 1 to 360 and will be based on exact topographic and hydrographic surveys including complete moles, breakwaters and lagoons. "Whatever the actual cost of this experiment", said Dr. Knapp, "it will be relatively small, perhaps as low as one per cent of the possible millions saved in correcting mistakes before they happen, thereby avoiding storm damage to costly harbor installations." In charge of the project at the site in Azusa will be Warren O. Wagner, Ph.D. '45, also of the California Institute of Technology.

Month in Focus

(Continued from Page 3)

such an extent that they demand refreshing; experience in the technical field may be completely lacking because of duties of a different kind pursued since graduation from college.

SHIFT TO THE WEST

A large number of men who left the Pacific Coast either many years ago, or within the past five years, were effectively frozen in their positions in the eastern part of the country during the war. It is surprising to see how many of these men are now trying to secure employment on the Pacific Coast. Men who have

attained positions of considerable responsibility are seeking employment in the "industrially expanding west". The expansion that is talked about does not come as quickly as some would have it; before it arrives a reasonable period of development will be required. If one considers the problems associated with such a development from an engineering point of view, it becomes obvious that such a tremendous task cannot take place in any very short time.

ELECTRONICS

The armed forces have trained large numbers of men in the field of electronics, radio, communications, etc., and a majority of these individuals are desirous of remaining in that field on returning to civilian life. The greater proportion of these men are seeking electronic employment on the Pacific Coast where developments in electronics are not of the greatest industrial importance at present, rather than in the east where these activities are firmly established.

LOOKING AHEAD

Most industrial concerns tend to go a little easy on new technical hiring; they are waiting to see how many of their technical employees return to them from the service. Under these conditions, employment of newcomers is not now unusually active. Nevertheless, the longer-term outlook is bright. This is particularly true for those who return to their old employers, or who promptly recapture and improve their scientific skill by taking refresher, or graduate, work.

During the past three years, the universities have graduated relatively few technical men, and another four years will lapse before there is any regular class of B.S. to Ph.D. men. The general opinion prevails that it will take from ten to fifteen years to catch up to the normal availability and need of scientific men. Meantime, most companies are expanding their technical forces (especially along research lines) as rapidly as their own men return, or as other really good prospects become available. The long-term prospects are definitely conducive to optimism for those who are able and willing to qualify themselves fully for professional work.

PERSONALS

1920

ROSCOE R. ROCKAFIELD has been promoted from chief draftsman to engineer-in-charge of the crushing, cement, and mining section at the Allis-Chalmers Manufacturing Company, Milwaukee, Wisconsin.

1925

Dr. SAMUEL L. DIACK has returned to Portland, Oregon, from military service with the Army Medical Corps in North Africa, France, and Germany, where he is re-entering medical practice at the Portland Clinic, Portland, Oregon.

MICHAEL C. BRUNNER, formerly a colonel in the Army and now on inactive status, has returned to the Shell Oil Company, Houston, Texas, as assistant to the vice-president who is in charge of exploration work east of the Rocky Mountains.

Mr. Brunner's family, who has been living in southern California, is now returning to Texas. Michael Stuart, however, is remaining at the Southwest Military Academy, San Marino. While in service, Mr. Brunner was awarded the Legion of Merit.

1926

COLONEL JOSEPH MATSON, JR., AUS, chief construction division office of the engineer, headquarters, MidPac, returned to civilian life November 1. After a month's vacation he resumed his post as civil engineer for the Waiialua Agricultural Company, a position he held for two years prior to the war. Before his discharge, he was awarded the Legion of Merit.

J. E. VOELKER, formerly major in chemical warfare, has been released from military service and is now employed by the Riverside Cement Company as chemical engineer.

IVAN FARMAN has just been appointed brigadier general. He is moving from Asheville, North Carolina, to Langley Field, Virginia. The Farmans have one son.

1927

WM. A. MINKLER has been transferred from the former Westinghouse Air Conditioning and Refrigeration headquarters in Jersey City, New Jersey, to Hyde Park, Boston. Westinghouse Electric Corp. has purchased the B. F. Sturtevant Company, with factory and headquarters at Hyde Park. Mr. Minkler has been manager of application engineering and continues in this capacity in the new location.

LAYTON STANTON is now division geologist, Union Oil Company of California, Oregon and Washington division, with headquarters at Olympia, Washington.

TED C. COMBS, formerly lieutenant-colonel of the Army Service Forces, has accepted a position with Timber Structures, Inc., San Francisco, California.

FRANK A. NICKELL is in the employ of the Government of India (Punjab and United Provinces) for T.V.A. He is under contract for a year to supervise construction of five dams, the size of Boulder Dam. The construction is under the direction of the United States Board of Reclamation.

1929

W. W. BAUSTIAN, will be chief engineer in charge of construction of a new giant telescope for Lick Observatory, Hamilton, California. Mr. Baustain's appointment to head the University of California project, which includes plans for a 120-inch reflector telescope, became effective January 14.

MAJOR J. W. DUNHAM, who served three and one-half years in foreign service in the Corps of Engineers, has returned to the States and his former position with the United States Engineers.

1931

COMMANDER THOMAS V. TARBET is now on inactive duty having returned recently from the Pelay Islands Group. Commander Tarbet is the father of one son, five, and a daughter, two, years of age.

1932

COLONEL W. R. SHULER has been transferred from Ft. Lewis, Washington, to Washington, D. C. He is working on the atomic bomb project. His address is P. O. Box 2610, Washington, D. C. Bill has one son—a "chip off the old block".

1933

LIEUTENANT-COMMANDER DICK A. PLANK visited the campus in January while on terminal leave. Dick served in southeast China on a special S.A.C.O. mission for thirteen months. Dick has two children: a son seven years of age and a daughter, two. The family are now living in Torrance, California.

ED HAYES returned to his former position at the Howard Hughes Company from General Electric. Ed is in charge of the installation of television equipment.

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WILLIAM W. MOORE presented a paper before the San Francisco Section, American Society of Civil Engineers which was held at the Engineers' Club in San Francisco on December 18. The subject of his paper was, "Experiences with Pre-determining Pile Lengths".

MADISON T. DAVIS was recently advanced to the position of assistant production manager of the Dicalite Division of the Great Lakes Carbon Corporation.

LIEUTENANT R. L. RUSSELL, U.S. N.R., is on terminal leave from service and expects to locate in southern California. Lieutenant Russell spent thirteen months on Attu as an Underwater Defense Officer and sixteen months in Washington, D. C., working in the office of the Chief of Naval Operations.

LOUIS GOSS has recently been appointed city engineer of Brawley, California. Prior to his appointment, Mr. Goss was an associate engineer in the United States Engineers office in Los Angeles. In addition to his engineering duties at Brawley, Mr. Goss is acting head of all service departments, including water, sewer, and street departments.

1934

NORMAN S. JOHNSON returned from Honolulu where he has been serving as Project Engineer, District Public Works 14th Naval District for the past four and one-half years. Norm is going into the contracting business and will live in Fullerton, California. The Johnsons have two sons, age three years, and eight months respectively, both born in Hawaii. Norm regretfully states: "My sons will never become Presidents!"

HOWARD E. GULICK is back in civilian life and has returned to his pre-war job as mechanical engineer with the public service department of the city of Glendale, California.

LEONARD (GENE) E. ROOT, chief aerodynamicist at Douglas Aircraft, was chosen by the Junior Chamber of Commerce as one of ten outstanding young men in the U. S. A.

ROBERT P. SHARP, formerly a captain in the Army and now a civilian, has assumed his position on the faculty of the University of Minnesota.

1936

FRANK W. DAVIS was recently advanced to the position of assistant chief engineer of the Vultee Division of Consolidated-Vultee at Downey, California.

1937

HARRY H. MILLER was still in Naples at Christmastime with the Medical Division of the last squadron of the 62nd Troop Carrier Group. Mrs. Miller and Harry, Jr., are in Spokane, Washington.

1938

JAMES BALSLEY is still with the U.S. G.S. He and Mrs. Balsley and Christopher (age seven months) are living in Arlington, Virginia.

LIEUTENANT BLAINE A. DIXON, U.S.N.R., visited the Institute in January while on terminal leave. Lieutenant Dixon was stationed in the Pacific area on a sub tender. He was married last July and is now living in Hollywood.

LIEUTENANT SAM H. KELLER visited the Campus while on terminal leave in January. Sam was in service three and one-half years, having been stationed the

last nine months on Leyte and Samar Islands with the 104th Seabees, where he was engaged in building a Naval operating base on Leyte.

HENRY K. EVANS was discharged from the Army in December. He has returned to the National Conservation Bureau in New York City.

1939

JOHN A. BATTLE announces the arrival of a son, John A., Jr., born September 21 at Guatemala City, C. A. John is employed by Pan American Airways of that city.

MAJOR MELVIN LEVET, who has been in the Philippines, visited the Campus in January on terminal leave. Major Levett was overseas twenty-eight months serving

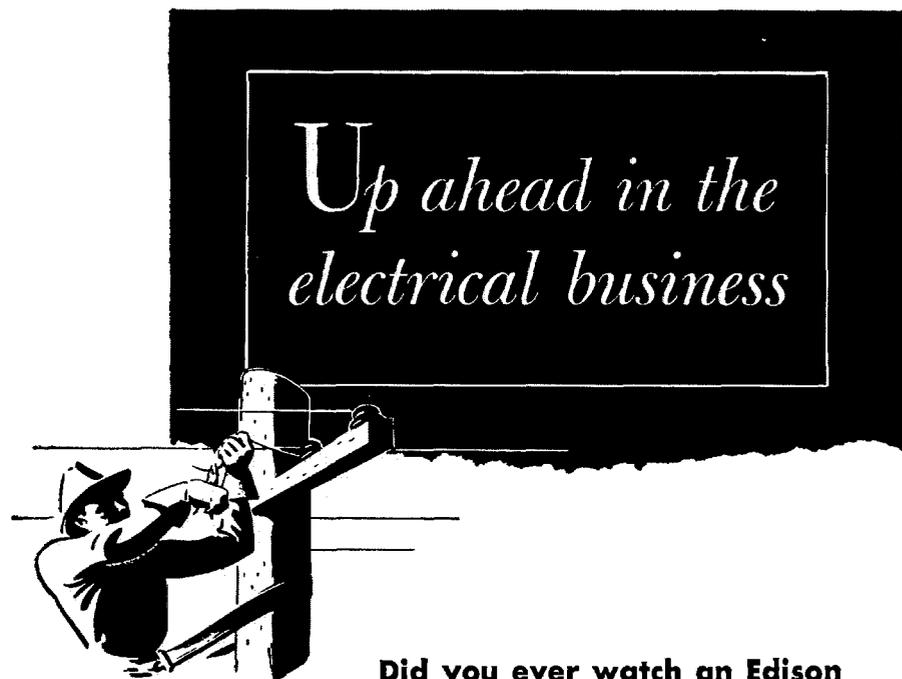
as Staff Weather Officer, 13th Air Force. His home is in Monterey Park, California.

JOHN E. OSBORN, formerly a lieutenant in the Navy, is back in civilian life, with Osborn Company, grading and paving contractors. John is living in Pasadena with Mrs. Osborn and their five months' old son.

EDWIN F. SULLIVAN, associate engineer, U. S. Bureau of Reclamation, Sacramento, has just been elected president of the Speakers Club, Sacramento Section, A.S.C.E. Ed has also been re-elected secretary-treasurer of the Sacramento Section.

1940

FRED STOLTZ has accepted a position



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DR. VICTOR WOUK, formerly with Westinghouse Electric Corporation, recently joined the Engineering Laboratories staff of North American Philips Company, Inc. at Dobbs Ferry, N. Y.

HERBERT SARGENT, formerly in the Chemistry Department of the Institute, has accepted a position with U. S. Rubber Company, Passaic, New Jersey.

1941

LIEUTENANT NEWELL BALLREICH, U.S.N.R., is now on a civilian status and is making his home in Inglewood, California. Newell was commanding officer on an L. S. M., serving both in the Atlantic and Pacific areas. He returned to the States from Japan.

1942

G. R. MAKEPEACE has been working at Menasco Manufacturing Company since graduation. Gerry is married and has a son three years of age. Recently he purchased additional property adjoining his Pasadena home for the cultivation of orchids, which is his hobby.

LEIGHTON TRUE, formerly stationed for twenty months at the Bureau of Ordnance, Representatives Office, Western Electric Company at Kearney, is on terminal leave until the end of March.

LIEUTENANT PAUL ALLEN, JR., U.S.N.R., Inspector of Naval Material, Los Angeles District, since 1942, is now on inactive status. Paul is living in South Pasadena with Mrs. Allen, their son, Paul 3rd, and the new daughter who arrived the latter part of January.

SAM MADLEY visited the Institute in January on his way to Washington, D. C., where he was to be stationed one month, prior to his terminal leave. Sam served two years at the Naval Supply Depot, Clearfield, Utah.

LIEUTENANT (j.g.) WILLARD FULLER, JR., visited the Campus in January. Willard has been stationed on Saipan and expected to go back to the Pacific area. When released from military service, which will probably be in the spring, Willard intends to engage in mining activities.

LIEUTENANT (j.g.) MELVIN J. SKINNER CEC, who has been stationed on Manus Island in the South Pacific with a construction battalion, is now enjoying terminal leave. Melvin has a son one year of age.

CAROL M. VERONDA, formerly with the Naval Research Laboratory, has accepted a position with North American Philips Company, as assistant engineer, Microwave Section.

ROGER BRANDT is now employed as a design engineer for Barkley & Dexter, Boston, Massachusetts.

SECOND LIEUTENANT KENNETH URBACH, formerly stationed at the Holabird Signal Depot (Surplus Property Disposal), Baltimore, was discharged some time last fall.

JACK ALFORD, now on inactive status from the Navy, has accepted a teaching appointment at the Institute, effective in March. Last September a son, Christopher John, arrived at the Alford home.

1943

DOCTOR JOHN OTVOS has accepted a position with Shell Development Co. at Emeryville, California.

LIEUTENANT (j.g.) KENNETH POWLESLAND is stationed at Norfolk Navy Yard, engaged in repair of ships.

T/4 M. C. SMITH, U.S.A. was discharged from service in December. He plans to resume study at the Institute in March.

T/4 WILLIAM SNYDER, U.S.A., is now stationed at Holabird Signal Depot in Baltimore where he is engaged in radio propagation work. William is coming back to school when discharged.

CORPORAL WILLIAM J. RUSSELL is working for a radio propagation unit, Noise Station of Bureau of Standards, at Sterling, Virginia. William served overseas duty in Puerto Rico. He hopes to continue schooling when discharged.

1944

WESLEY SANDELL is entering Harvard Business School in February.

LIEUTENANT FRED B. ELY, U.S.N.R., having served nine months overseas in the vicinity of Iwo Jima, is now stationed at Terminal Island aboard A.P.B. 50, U.S.S. *Cameron*. Fred expects his terminal leave soon, probably in April.

DAVID GOLDING, formerly in the Chemistry Department of the Institute, is now working at Du Pont in Washington, D. C.

ENSIGN F. A. BEHRENS, JR., has assumed command of the U.S.S. YMS-407 in the western Pacific area.

EX. '44

FIRST LIEUTENANT JAMES WIGGS, now on terminal leave, was a navigator in the 15th Air Force in Italy for eight months. Jim was married in 1943 and is living in Venice, California.



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