

## PERSONALS

1915

RAYMOND O. CATLAND is now with the Union Twist Drill Company, Athol, Massachusetts, working on the development of new carbide tools and as an engineer on special assignments. From January 1944 to December 1946, Mr. Catland was in charge of the W.P.B. project for the study of carbide milling at M.I.T. Approximately \$350,000 was spent by the project to determine the fundamental factors involved in milling steel and dural with carbide tipped tools. Previous to that, he was with the Engineering Department of Lockheed and Vega Aircraft Companies, where he was responsible for much of the early development of carbide milling.

1917

The class of '17 was represented at the annual banquet by three members, A. KENSEY, J. P. YOUTZ, and R. T. RICHARDS on the occasion of the thirtieth reunion of the class.

1922

Members of the class of '22 celebrating their twenty-fifth reunion at the annual banquet walked off with the honors for percentage representation. Thirty-three members of this class attended. Of a class of 68, seven of whom are deceased, 33 represents a fine record. Those who came the farthest to attend the meeting were: ED GROAT, Chicago; HAROLD OGDEN, Erie, Pa.; W. F. WILSON, Houston; H. G. VESPER and L. H. ERB, San Francisco.

JAY J. DE VOE was appointed Chief Fire Engineer of the Founders Fire & Marine Insurance Co. For many years he was with the Board of Fire Underwriters of the Pacific and served with the U. S. Army Signal Corps during the war.

1923

ROBERT J. SCHONBORN was married recently to Miss Helen Simpson in Berkeley, Calif.

1924

HOWARD MERLIN WINEGARDEN, who received his B.S. in chemistry in 1924, is now vice-president for manufacturing and research of the Cutter Laboratories in Oakland. He started work with the Laboratories in November, 1923, as a research chemist. In 1929 he became director of research and held that position continuously until January 1, 1946, when he assumed his present position. Two leaves of absence were granted during this period, at which time he returned to the Institute for graduate work. His final degree was the Ph.D. in biochemistry. During the war period Cutter Laboratories expanded several-fold to take care of critical medical supplies which they were in a position to produce. The Research Department was assigned almost 100 per cent to the production of new medical military supplies such as penicillin and human blood products, and was heavily involved in the actual production as well as the development of these. In this manner, Dr. Winegarden became involved in production and took over his present duties. Dr. Winegarden and his wife have two sons, Howard M., twenty, and Winston J., eighteen.

1925

W. S. KINGSBURY has accepted the position of Manager in the Reinforcing Division of the new Los Angeles branch office of Ryerson Certified Steels.

1927

The class of '27 was represented by 16 members: TED COMBS, having come from Portland for the reunion, had the honors for having traveled farthest for the reunion.

1928

EDWIN M. MC MILLAN was elected to the National Academy of Sciences for the work he did on the atomic bomb.

1929

WILLIAM H. MOHR is the proud father of a young daughter, Joan Marie, who was born in Los Angeles on May 15, 1947.

JOHN B. STURGESS was married to Miss Mary Jane Campbell on June 7, 1947 at St. Luke's Church of the Mountains, in La Crescenta, California.

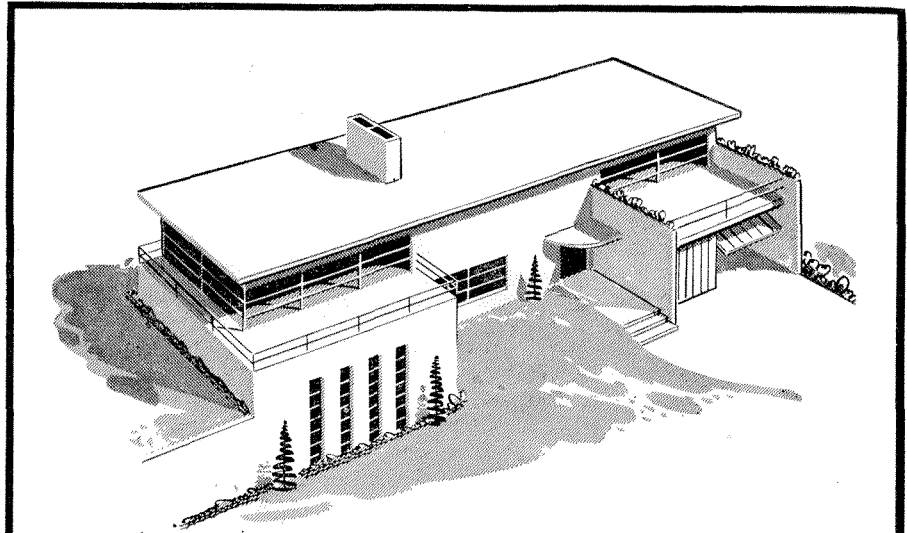
1931

CHARLES K. LEWIS, M.S. '32, is with the Morrison-Knudsen Co., serving as Office Engineer in the construction of a fourteen mile section of the large Friant-Kern Canal. Previously, he had been with the Glenn Martin Co. plant at Omaha, in an executive capacity.

1932

JAMES BONNER, Ph.D. '34, is Professor of Biology at CalTech. He was married in 1939 to Dr. Harriet Rees.

THOMAS D. OULTON is with the Filtrrol Corporation in Los Angeles as a research chemist. His present work consists of fundamental research on catalyst activity, surface area, pore size, and distribution and other absorption problems. The general problem is that



→ *Modern? Only if  
it is properly wired!*

Any house that is not adequately wired for complete electrical service is out-of-date. Modern living *depends* upon it. And that requires properly "fitted" wiring. Circuits, outlets and switches must be adequate in size, number and location to permit full use of electrical equipment. The cost of first-class wiring is small. *On the average, adequate wiring costs only 4% of the total building budget.*

Architects, contractors and home planners will find more than one hundred valuable electrical ideas in the Edison booklet "Electricity in Your Home Plans." For your copy, write to Southern California Edison Company, P. O. Box 351, Los Angeles 53, California.

**SOUTHERN CALIFORNIA EDISON COMPANY**



of gathering data on cracking catalysts for petroleum. Tom is married and has one daughter, Hilary Lorraine, going on four. He plans to do graduate work at U.S.C. in the near future for a Ph.D. in Physical Chemistry.

ROBERT V. CAREY has taken a position with the Eng-Skell Company of Los Angeles doing design and sales of food-handling machinery and store equipment.

NINETEEN members of the class of '32 attended the annual banquet on June 13 on the occasion of the fifteenth annual reunion.

#### 1934

MARSTON C. SARGENT is assistant professor of oceanography at the Scripps Institute of Oceanography at La Jolla, Calif. He was released from the Navy in November, 1946, with the rank of Lt. commander. His last duty was taking part in an oceanographic survey of the Northern Marshall Islands in connection with Operation Crossroads. At present he is engaged in a study of ecology of nearby shallow water areas.

CHARLES L. SCHNEIDER is at present in Kumamoto, Kyusho, Japan, as an army surgeon. He plans, on his return, to continue research on a placental toxin, possibly related to Toxemia of Pregnancy in connection with a residency in Obstetrics and Gynecology. Before going overseas with the Army, Charles was assistant resident in Surgery at the Henry Ford Hospital in Detroit.

#### 1935

HORACE W. DAVENPORT, Ph.D. '39, is now professor and head of the Department of Physiology at the University of Utah School of Medicine in Salt Lake City. Previously he was instructor in physiology at the Harvard Medical School.

DR. ARTHUR E. ENGELDER is a member of the Physicians and Surgeons Staff at Morenci Hospital, Phelps Dodge Corp., Morenci, Arizona. After release from the Army Medical Corps as a Major, Art did postgraduate work in pathology at Duke University Hospital, Durham, North Carolina. His M.D. degree is from Johns Hopkins. Morenci, Arizona, is the site of one of the largest open pit copper mines in this country. Phelps Dodge has the pit, concentrator, and smelter in a town of about 16,000. Among his other activities, Art has worked on four research projects related to medicine, all for patent purposes.

DR. LAURENCE J. STUPPY has been practicing in internal medicine and cardiology with Dr. Henry H. Lissner in Los Angeles since his release from active duty as a major in the Army Medical Corps late in 1945. Larry was married in 1941 to Miss Mary Lissner. The Stuppy's have three children, Henry L., five, Laurence J. II, two-and-a-half, and Mary Laurie, four months.

ROBERT C. WARNER is assistant professor of chemistry at New York University, College of Medicine. Formerly he was with the U. S. Department of Agriculture at the Eastern Regional Laboratory in Philadelphia, as a chemist. Bob has been married since 1936, and has two children, Peter and Caroline, five and two.

#### 1936

WILLIAM D. HUMASON is supervisor of soap processing for Proctor and Gamble Co. in Long Beach. Bill was married in 1938 to the former Ruth Petty, and has a daughter, Ann, born in 1942.

WILLIAM L. MCRARY, M.S. '38, Ph.D. '40, who, during the war was an associate physiologist for the U. S. Department of Agriculture working on the Guayule Research Project at Salinas, Calif., has been recently appointed assistant professor of chemistry at the University of California, Santa Barbara. Bill was recently the recipient of a research grant for investigations of the dehydrogenase systems in the malaria parasite. He was married in 1940 to Miss Lauretta Smith of Los Angeles and has one daughter, Linda Lee, five.

BRADLEY T. SCHEER is now assistant professor of biochemistry at U.S.C. Prior to 1945 he was an instructor in biology at the Institute. During 1945-46 he was in charge of a nutrition research project sponsored by the Army Quartermaster Department. More recently he has returned to his major interest in comparative biochemistry. Brad has in progress work on the biochemistry of fertilization and the carotenoid pigments of echinoderms. He plans to extend the latter to include an investigation of vitamin A and related substances in invertebrates. He has recently completed a textbook, *Comparative Physiology*, which will be published by John Wiley and Sons some time this year. Brad was married in 1936 to Miss Marlin Ann Ray, who has collaborated with him in the preparation of several publications in the field of his interest.

#### 1937

THE CLASS of '37 was represented at its tenth reunion at the annual banquet by only six members. These men, however, were unchallenged when they claimed the record number of children with an average of three per member.

EDWARD A. LASHER, 1936-37 graduate student, former research chemist at the California Flaxseed Products Co., is now research head and technical director of the Specialty Resins Co. of Lynwood, California. Married in 1938 to Miss Alma Galenson, Ed has a son, Robert Samuel, almost eight, and a daughter, Lenore Marie, four. He is taking work at U.C.L.A. toward a Ph.D. in Chemistry.

#### 1938

JOHN C. LILLY received his M.D. at the University of Pennsylvania in 1942. During the war he worked on high altitude problems in aviation medicine and physiology, instrument development for use in respiratory function analysis at high altitude with oxygen equipment, and explosive decompression of pressurized aircraft which included the physiology and pathology of personnel and the rate of pressure changes. Since July 1946, Jack has "reconverted" to neurophysiology, electrical signs of mammalian cortical activity, and analysis of function on "pattern" basis. He is with the E. R. Johnson Foundation at the Hospital of the University of Pennsylvania in Philadelphia, as an associate in biophysics.

#### 1939

FREDERICK T. ADDICOTT, Ph.D., is assistant professor of botany at U.C.L.A. He was formerly acting in a similar capacity at Santa Barbara College. Fred, who was recently elected a fellow in the A.A.A.S., has had four children since he was married in 1935: Donald, seven; Jean, five; John, three; and David, one.

NORMAN H. HOROWITZ, Ph.D., is working with *Neurospora* in the field of chemical genetics. He was recently appointed associate professor of biology at the Institute.

OLE LILLELAND, M.S. '39, teaches chemistry at Pasadena Junior College. He is a member of the Board of Directors for the Southern Section of California Teachers' Association for 1946-47, and has been elected to the State Council of the Association for 1947-49. Ole and his wife have one son, Eric Thomas, four and a half.

#### 1940

DAVID M. BONNER, Ph.D., has recently accepted the position of research associate (assistant professor) in microbiology at the Osborn Botanical Laboratory, Yale University. Dr. Bonner was married in 1941 to Miss Miriam Thatcher, shortly before becoming a research associate at Stanford.

SIDNEY W. FOX, Ph.D., is associate professor in the Department of Chemistry, and research associate professor at the Agricultural Station, at Iowa State College. His research program includes chemical studies of the biological manifestations of protein. Work is under way on the following problems: structure of proteinaceous antibiotics, the biological mechanism of protein synthesis in bacteria and in antibodies, analysis of corn protein, chemical structure of hereditary material, and the formation and inhibition of plant tumors. Sid is also beginning a study of biosynthesis of nitrogen compounds in corn and bacteria. Chemical studies in his group include synthesis of tryptophan and lysine (for supplementation of corn), synthesis of penicillin, a new general method for peptides, and simple antibacterial d-amino acid derivatives.

This work is supported by Corn Industries Research Foundation, Iowa State College Industrial Research Foundation, and funds for Iowa Agricultural Experimentation. A \$4500 fellowship from the Upjohn Co. for fundamental research began this year, and Dr. Shi-Wei Loo '45, research associate, and Dr. Fox have recently received news of a grant of \$7800 for the first year of work in chemistry of plant tumors, from the National Cancer Institute. This grant is in part for application of d-amino acid derivatives to tumors. Dr. Loo has already opened this latter study into new biological and chemical areas.

Dr. Fox married the former Raia Joffe in 1937. There are now three little Foxes: Jack Lawrence, six; Ronald Forrest, four; and Thomas Oren, one and one-half.

HARLAN K. PRATT, special graduate student in 1940-41, is instructor in truck crops and junior plant physiologist in the Experiment Station of the University of California Agricultural School at Davis. Harlan is teaching vegetable physiology: the physiological principles involved in the production, transportation, and storage of vegetables; and doing research in the storage and transit of vegetables, especially with regard to respiration and the production of volatile substances other than carbon dioxide. He was married to the former Anna Marie Martin in 1939. The Pratts have a one-year-old son, Robert Martin.

JOHN L. WEBB, Ph.D., is assistant professor of pharmacology at the U.S.C. Medical School. John was married in 1939 to Miss Julin M. Stucky.

1941

HAROLD K. FINK, M.S. '41, practices as a psychotherapist in New York. His wife, Charlotte, a Smith Graduate with an M.A. from Teachers' College, Columbia, is a consulting psychologist and Rorschach examiner. She works with him and will do so for a year or so before starting on her Ph.D. In addition to his consulting practices, Dr. Fink is teaching 18 hours a week at Pace Institute, giving a course in Principles of Psychology and Applied Psychology for Business Men and Women. Since his discharge from the Naval Reserve as an ensign in the hospital Corps (Neuropsychiatric Service), Harold has been doing post-doctoral work at the William Alanson White Institute of Psychiatry in New York. Last February he was recommended and voted a life member of the New York Academy of Sciences.

1942

HARLAN R. BARBER, graduate student from 1940 to 1942, is now Chemist for the Brogdex Company in Pomona, California. A former junior chemist in the Bureau of Chemistry at the California State Department of Agriculture, Harlan was married in September 1942 to Miss Rose Nolte. They now have two boys, Wayne Stanley, three, and Larry Edward, one and one-half. While in Oakland, Harlan was Cubmaster of Pack 124. His recent interests include membership in the American Chemical Society and activities on the educational committee of the Valley Consumers, Inc., local co-op.

1943

JOHN E. CUSHING, JR., Ph.D., has been an instructor in biology at Johns Hopkins University since leaving CalTech. His research at present is the continuation of work started at the Institute on genetic changes associated with the adaptation of *Neurospora* to sulfonamides, as well as work on the chemical production of mutations. Married to Miss Lucille Benner in 1943, John has a daughter, Polly, 19 months.

1944

BARBARIN ARREGUIN-LOZANO, Ph.D. '46, is now doing Guayule research at the Kerckhoff Laboratories. He was technical assistant in Mexico for a year, at which time he delivered several lectures at the University of Guanajuato in Guanajuato State.

GRANT L. BENSON, JR., has been attending U.S.C. Medical School since March 1944. After graduation this June, Grant will intern at the Los Angeles County General Hospital.

1945

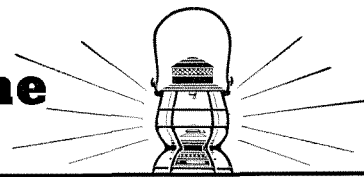
WALTER B. DANGLIKER, Ph.D., is doing research on the components of human erythrocytes in the Chemistry Department of the University of California. Walt was formerly a research associate at C.I.T. He has been married since December 1943 to the former Beverly Ann Bullock of San Francisco.

SHI-WEI LOO, Ph.D., is working with SIDNEY W. FOX '40, as a research associate in the Chemistry Department at Iowa State College, Ames, Iowa.

1946

HAROLD L. ENGEL, ex '46, has been attending U.S.C. Medical School since his discharge from the Army as an infantry sergeant.

# The Main Line



JUNE, 1947

A number of people have asked us how it looks this summer for train reservations, hotel accommodations, etc. This is the situation as nearly as we can size it up:

The best-known hotels and resorts will probably be filled to capacity, especially during school vacation season. Reservations at smaller resorts will be easier to get, and the smaller hotels in big cities can generally come through with rooms.

If you can take your vacation in the fall after schools re-open, accommodations will be much more plentiful then. In many places (San Francisco, for instance) Indian Summer brings the best weather of the year.

In all cases, it's best to make reservations well in advance.

Travel in standard Pullmans will be heavy this summer.

Space in tourist Pullmans should be more plentiful. These are not as fancy as standard Pullmans, but they're clean, comfortable and air-conditioned, with regulation berths and porter service. There's a considerable saving in money, too.

We have tourist Pullman service between many cities on the Coast, and as far east as Chicago, St. Louis and New Orleans.

You might want to consider traveling in chair cars. (Some of our nicest people do). Many of our fastest trains carry chair cars: the Streamliner *City of San Francisco* and *San Francisco Overland* from San Francisco to Chicago, the *Golden State* and *Imperial* from Los Angeles to Chicago, *Sunset Limited* from Los Angeles to New Orleans, the *Daylights* between San Francisco and Los Angeles and the *Beaver* between Portland and San Francisco. Seats may be reserved in advance on many of these trains.

Some people, we find, travel by chair car in the daytime, stop over and spend the night in a hotel, then resume their chair car trip next day.

## Children free

One advantage of the train that's often overlooked is the saving when you travel with children. Children

under 5 ride free; from 5 to and including 11, half fare. Each child gets a seat, too, even when riding free. Children must, of course, be accompanied by an adult.

## Shasta Dam Tour

If your trip takes you between San Francisco and Portland on our Shasta Route, stop off at Redding and see Shasta Dam. Gray Line tours daily from now until September 30th.

Morning tour leaves Redding 8:45 a.m., includes three-hour cruise around Shasta Lake, trip to top of Shasta Dam (second highest in the world). You get back to Redding at 1:25 p.m.

Cost is only \$6.04 including transportation tax. Half fare for children under 12.

## Carlsbad Caverns Tour

If your train trip takes you by way of El Paso, we advise you to stop over for a day and see Carlsbad Caverns National Park. You will never forget your visit to this underground fairyland.

The tour leaves El Paso at 8:30 a.m., includes walk down into the caverns where you see Giant Dome, Rock of Ages, etc. You come up by elevator. Motor coach returns you to El Paso at 7:30 p.m.

All-expense tour (motor coach transportation to Caverns and back, Government entrance fee, lunch in Caverns) costs \$10.63 for adults, including transportation tax; \$9.63 for children from 12 to 17; \$4.82 for children 5 to 12.

## Redwood Empire Tour

Ever seen the Redwoods? If you're making a roundtrip by train between San Francisco-Portland, you can include the Redwood Empire Tour one way for only \$2.65 extra.

This tour takes you between San Francisco and Eureka by overnight Northwestern Pacific train, Eureka to Grants Pass by motor coach through miles of Redwood groves, Grants Pass to Portland by overnight train. Takes less than a day longer than the all-train journey.

—H. K. REYNOLDS

# S·P

The friendly Southern Pacific