

ALUMNI NEWS

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The San Francisco Chapter meets weekly for lunch at the Fraternity Club, 345 Bush Street, on Mondays.

PHILIP T. DURFEE

COLONEL Philip T. Durfee '28, was killed in the crash of a B-25 Army bomber on September 21. After graduation in mechanical engineering, Colonel Durfee joined the Army Air Forces, receiving his wings at Kelley Field in 1930.

Returning to the Army in 1939, he spent the next four years in Alaska and the Aleutians, and was coordinator of Army, Navy, and civilian activities in Alaska. Last February he was assigned to Langley Field, Virginia.

Holder of the Distinguished Flying Cross and the Legion of Merit Award, Colonel Durfee is survived by his wife and two sons.

Three others were killed in the crash of the bomber piloted by Colonel Durfee, while two men, both Army personnel, survived.

CHAPLAIN REPORTS

VERNON P. Jaeger '23, lieutenant colonel in the Chaplain Corps of the Army, wrote recently from Korea:

"I am the senior chaplain on duty with the United

States Armed Forces in Korea. In this position I am responsible for the supervision of the work of all the chaplains stationed with our occupation forces in this country. As a staff officer of this headquarters I am also involved in the formation of policies and supervision of activities affecting the religious and welfare work being done by our forces among the Koreans. As gradually we permit missionaries to return to Korea it is necessary to have a liaison with their work as our activities are closely related. When the Japanese forces evacuated Korea they left many chaotic conditions. The churches were not exempted from this chaos. We are attempting to help them restore order, rehabilitate their work and regain their many properties that had been taken from them under Japanese duress.

"We feel that we have a hand in processes that will vitally affect the whole future of the Orient and of the World as we work in this strategic location. It is often confusing, challenging and interesting simultaneously. I guess it can be said that I am now a sociological engineer. My Caltech engineering training has always been useful."

DAILY GOES TO M. I. T.

JAMES W. Daily of the Institute mechanical engineering department, has accepted an appointment as assistant professor of hydraulics at M.I.T.

A mechanical engineering graduate of Stanford in 1935, Daily came to the Institute as a graduate assistant in 1936, received his M.S. in 1937, became a research assistant in 1938, a research fellow in 1939, and an instructor in mechanical engineering in 1940. In 1945 Daily obtained the Ph.D. degree.

Having as his chief interest hydraulics, Daily became manager of the hydraulic machinery laboratory in 1937, when the Institute was conducting research for the United States Bureau of Reclamation on the Grand Coulee Pump Project for the Columbia River. With the coming of war, the laboratory was devoted to research for the Navy.

Also to Dr. Daily's credit is much of the planning for the mechanical engineering building, completed in March, 1945, and most of the supervision of laboratory equipment installation.

At M.I.T. Dr. Daily will instruct undergraduate and graduate courses in hydraulics.

M. E. SALSURY '25 GETS NEW RATING IN CIVIL SERVICE

UNDER a reclassification of his duties by the Los Angeles County Civil Service Commission recently, M. E. Salsbury, C. E. '25, is now senior assistant chief engineer of the Los Angeles County Flood Control District.

Heretofore Salsbury has been known as assistant chief engineer, but he now adds the distinction of "senior" to his title.

It will be necessary for Salsbury to take a civil service examination in order to become permanently established in his new job.

During the war he was the acting chief engineer of the Flood Control District.

C. I. T. MEN AT BROWN UNIVERSITY

PRESIDENT of Brown University, Dr. Henry M. Wriston, announced this month the appointment of Dr. Maurice A. Biot '32 as professor of applied physical sciences, and the promotion of Dr. Chia-Chiao Lin to associate professor of mathematics in the newly established graduate division of applied mathematics.

Dr. Biot, a native of Antwerp, Belgium, was awarded his Ph.D. summa cum laude in aeronautics from the Institute in 1932, following degrees in mining and civil engineering from Louvain University Belgium in 1927, a degree in electrical engineering and the D.Sc. in 1930 and 1931. After service in the Belgian Air Corps as a technical officer, Dr. Biot was a Belgian-American Educational Foundation Fellow at the Institute and the University of Michigan. During 1933 and 1934 he was a National Research Council Belgian Fellow at Delft, Gottigen, Louvain and Zurich Universities. Professor Biot has also been an instructor in applied mechanics at Harvard and a professor of mechanics at Louvain University from 1937 until his entry in 1942 into the Navy, from which he was discharged in 1946 as a lieutenant commander.

Dr. Chia-Chiao Lin, a native of Fukien, China, studied as a Sino-British Funds Scholar at the National Tsing Hua University, Peiping, China; the University of Toronto, Canada, where he received his M.A. degree, and at C. I. T. where in 1944 he was awarded his Ph.D. in aeronautics summa cum laude with a minor in mathematics. Professor Lin came to Brown in 1945 as an assistant professor, after being engaged in confidential war work from 1943 to 1945 at the Institute.



J. Kneeland Nunan receives the highest civilian award given by the Navy, The Medal for Merit, from Vice Admiral J. B. Oldendorf. Left to right: Mrs. Nunan, son Jimmy, Nunan, Admiral Oldendorf, and Dr. Millikan.

After receiving his degree, he was assistant professor of electrical engineering and assistant dean of engineering at the University of Southern California for five years. Later he was director of new developments, in charge of commercial activities, for the Aerojet Engineering Corporation in Pasadena.

While nominally in charge of research at the New London Laboratory, Nunan also was responsible for much supervisory work in connection with Pacific Naval activities where his devices were used.

Many of the submarine devices which Nunan helped to develop still are "top secret", and they are credited with a large share of the success of American submarine warfare both in the Atlantic and Pacific.

Under Nunan's "brilliant and inspiring leadership" of a group of scientists, the citation declared, many devices were designed and installed in submarines which "enhanced to a tremendous extent the offensive and defensive potential of units of the United States fleet."

Now West Coast motion pictures sales manager for the Ansco Division of General Aniline and Film corporation, Nunan has a thorough grounding in motion picture research. While a student at the Institute, he was a research engineer for Fox Studios, working on sound projection.

J. KNEELAND NUNAN '38 GIVEN NAVY AWARD

J. KNEELAND Nunan, M.S. '38, was awarded the highest civilian honor bestowed by the Navy at a ceremony in the Los Angeles City Hall attended by Doctors Robert A. Millikan and Royal W. Sorensen.

The Medal was awarded July 30 for "exceptionally meritorious conduct in furtherance of the war efforts of the United States, while serving as Associate Resident Director of the New London Laboratory and as Director of the Pearl Harbor Division of the Columbia University Division of War Research."

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PERSONALS

1924

HAL BECK was recently elected to the position of director of the California Engineers and Architects Association.

MAX W. MOODY visited the United States this summer for the first time since 1939. He has been a contracting engineer in Honolulu for the last 12 years. During the war he had the rank of commander in the Navy and was active in the reconstruction of Pearl Harbor.

1925

TRACY L. ATHERTON is back in Los Angeles as engineer with the California State Division of Lands. For the past three and one half years Tracy has been a captain in the U. S. Marine Corps. He served in the Northern Solomons as intelligence officer with the 14th Marine Air Group.

1926

BURT BEVERLY JR. has returned to Arabia for the next three years.

STEPHEN DETZER is now living at Manhattan Beach, California.

1927

T. C. COMBS has transferred from the San Francisco to the Portland office of Timber Structures, Inc., and will be division sales manager.

1928

BILL BERRY is back as an engineer with California State Division of Water Resources in Los Angeles. During the war Bill was a colonel in the Army Engineers and served with the Ninth Army in Germany.

GUY L. CHILBURG is employed by the Southern California Telephone Company as plant staff assistant. He is assigned temporarily to the general plant superintendent, doing special organization studies.

D. S. NICHOLS and wife Elizabeth are the very proud parents of an eight pound, eight ounce boy named Frederick Allen.

1929

FRED WHEELER is back in Southern California after five years in the Navy and has accepted a position as industrial engineer with the Norris Stamping and Manufacturing Company in Vernon. Fred finished 18 months at Annapolis in the grade of commander and kept the Midshipmen busy studying thermodynamics. Commander Wheeler was chief engineer on the Aircraft Carrier Princeton and was fortunate to have survived the battle in which this carrier was lost.

K. E. KINGMAN is refinery superintendent of the Union Oil Company at Wilmington, California.

1930

WILLIS H. CLARK is now employed by Southern California Telephone Company as an engineer.

GEORGE LANSNER has been made resident engineer on the Terminal Island Freeway, for the State of California, Division of Highways. George is in charge of the construction of this project from Ford Boulevard in Los Angeles to Willow Street in Long Beach. This freeway is to be a six lane divided highway to relieve the traffic congestion in the Los Angeles Harbor area.

1932

JOHN L. COX is now employed at the Naval Ordnance Test Station in Pasadena.

WENDELL R. POLK has recently taken a position with the American Smelting and Refining Company of Los Angeles in the Federated Metals Division.

1933

ROBERT R. MEAD of Seattle, Washington was an Army captain and saw service for 40 months. He is taking up civilian life again by working for the Ethyl Corporation as a tractor and fleet engineer.

MOSES B. WIDESS is now employed by the Standard Oil Company in Tulsa, Oklahoma, as a geophysicist.

1934

ROBERT D. BOSHE of the Institute of Radiobiology and Biophysics at the University of Chicago, paid the Alumni office a visit while he was vacationing in California.

DR. JAMES W. McRAE has been appointed director of radio projects and television research in addition to his duties as electro-visual research engineer with the Bell Laboratories. He received his master's degree in 1934 and his doctorate in 1937.

LEE P. MORRIS, commander in the Naval Reserve was separated from the Navy in April and has returned to the Standard Oil Company Refinery at El Segundo, California.

1935

GREER W. FERVER reports: "Some of my old friends may be interested to know that I am still with the National Iron Works. I saw no war service, but I did get to Australia and New Guinea for a few months in 1944 to help the Army assemble some knock-down refrigerator barges we designed and built for them. The best news is that our little girl has a brother, born on July 22. He is named Robert Greer and doing fine."

WILLIAM G. COX has been placed in charge of distributor and contractor sales for the General Electric's Air Conditioning Department at Bloomfield, New Jersey.

DR. K. S. PITZER will lecture at the Standard Oil Company of New Jersey, on "Spectra as Related to Structure and Thermodynamic Properties of Molecules."

JACK W. SCHWARTZ, commander in the Navy and in the Civil Engineering Corps, is now stationed at the Naval Shipyard at Terminal Island. Jack was a prisoner of the Japanese following the invasion of Guam in December, 1941.

1936

DAVID M. WHIPP, lieutenant (j.g.) in the U. S. Coast and Geodetic Survey is engaged in establishing cross arcs of first order triangulation between existing arcs of first triangulation, and filling in the squares with second order triangulation stations in the Missouri River Valley. During the war he was assigned to duty with the Army under the U. S. Coast and Geodetic Survey Commission. He was sent overseas with the 1st F. A. Observation Bn. in August, 1942 and returned in November, 1945. While seeing foreign service he was in all engagements except the Normandie invasion, mostly with the Free French Army. Was awarded the Legion of Honor and the Silver Star by the American Army, and the Croix de Guerre by the French Army.

1937

ROBERT S. CAMPBELL is employed by the Edison Company in Los Angeles.

BRUCE W. DUNBAR has been transferred to the San Francisco office in the Development Department of Shell Oil Company, Inc., after working nine years at the Wilmington Refinery as a refinery technologist.

VIRGIL ERICKSON is now employed by Morrison and Knudsen at Palm Springs and is in charge of survey on towers and other work for the San Jacinto Trainrail.

DANIEL L. GERLOUGH is working at the Menasco Manufacturing Company at Burbank as assistant supervisor of laboratory research operations.

ALBERT H. ZIMMERMAN is employed by the Consolidated Steel Corporation, shipbuilding division at Wilmington, California.

1938

EVAN A. JOHNSON, President of the New York Chapter of the Alumni Association, spent a three week vacation showing his English bride the Pacific Southwest.

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1939

CLAUDE H. BROWN JR. is now employed by General Tire and Rubber Company of Pasadena.

GEORGE O. CROZIER announces that his second son was born on August 8. He was named Donald. A future Tech man, no doubt.

RICHARD A. FISCHER is the proud father of a baby girl. She has an older brother, aged three years.

FREDERICK C. HOFF was separated from the Naval service in February with the rank of lieutenant. His last active duty was as officer in charge of Rocket production research and testing at Naval Ammunition Depot Hastings, Nebraska. Fred is now employed as plant engineer at Firestone Tire and Rubber Company.

LIEUTENANT COMMANDER T. R. MATTHEY was recently detached from active duty as a supply officer, Naval Air Station at Pisco, Washington, and is now ordered to Com. Air Pac. for further assignment. He was married on July 29 to Miss Virginia Lee Knight.

ROBERT W. WINCHELL is now employed at the University of Southern California as instructor in electrical engineering.

1940

RAYMOND O. CLINTON is at Rensselaer, New York with the Sterling-Winthrop Research Institute as a research chemist.

JULES MAYER is the father of Paul Edward, born in August.

WILLIAM B. SCARBROUGH has a new position with Standard Oil at Richmond, California as lead engineer.

CARL B. SCHRADER of the Navy Department, Washington, D.C. was recently in California on leave.

1941

ROY ACKER has taken a position with Gilfillan Brothers, Inc., in Los Angeles.

ROBERT F. MYERS was on terminal leave from the Navy where he served as an ensign C.E.C.

NEWELL T. PARTCH is now with the Johnson Company in Berkeley.

CLAUD S. RUPERT was released from active duty with the Navy after four years of service (including training at the Institute, MIT, and Corpus Christi.) He was on duty with the Naval Research Laboratory at Washington, D.C. and field work out of NRL in various parts of the United States and the Southwestern Pacific. Claud is now a graduate student and teaching assistant in the physics department at John Hopkins University at Baltimore, Maryland.

GEORGE I. REIMERS announces the birth of a daughter, Helen Margaret, on July 24.

REUBEN P. SNODGRASS is now employed at Consolidated Vultee at Downey, California, as a flight test engineer.

STANLEY SOHLER is employed at Wright Field, Dayton, Ohio, as production control specialist.

JOSEPH WEISS was released from active duty as a Naval lieutenant in October. Joe spent his navy duty at the Bureau of Ships at Washington, D.C. on special minesweeping equipment and also at the Boston Navy Yard working with ship conversion and repair and personnel work.

1942

VICTOR G. BRUCE informs us of a new position with Willys-Overland Motors, Inc., in Los Angeles.

RICHARD H. COX of Elelee, Kauai, Hawaii has a new position with the McBryde Sugar Company.

CARTER HUNT has a new home address: Knox Hill Farm, Delavan, Illinois. He is employed by Hiram Walker and Sons, Inc., as a chemical engineer with the Research Department.

CARL H. SAVIT was married to Miss Sandra June Kaplan in July in Los Angeles. Carl is now out of the army and back at the Institute as a teaching fellow.

HENRY W. MENARD JR. was married to Miss Gifford Merrill in September.

ARTHUR J. SCHNEIDER is taking graduate work at C.I.T. in mechanical engineering toward his Ph.D. He was married in September to Miss Jane Owsley in Pasadena. They planned on a motor trip to Northern California.

LEROY A. WELLER will take graduate work at Stanford Graduate School of Business working for M.B.A. degree. During the war he served as an assistant engineer in the Merchant Marine.

GORDON K. WOODS has been in charge of the design section of the plant construction engineering department of the Kaiser-Frazier Company in Michigan.

1943

EDDIE I. BROWN was recently discharged from the army where he was a first lieutenant in the Air Cor-s. While overseas he was stationed, among other places, in Singapore, China and Burma, and flying transports over the "hump."

JOHN W. BUCHANAN was stationed on Okinawa doing army construction and teaching at Okinawa University. He held the commission of captain in the Army Engineers and was discharged in October.

EARLE R. BUNKER JR. was on terminal leave until the middle of October from the Signal Corps.

CLAUDE L. CARTER just returned from Fukuoka, Japan, where he was assigned to the 58th Air Service Group doing aircraft maintenance. He became a civilian this month.

GEORGE D. GRIFFITH has finished his service with the Navy as of June 15. He held the commission of lieutenant.

EDWIN G. JOHNSEN served as a first lieutenant in the Army and spent 18 months on Saipan and Okinawa as an officer in the aviation engineers.

1944

ROBERT F. BLOCKER will take graduate work in civil engineering, working toward his masters degree at the Institute.

JAY R. BORDEN has been discharged from the army where he served as a first lieutenant in the Signal Corps. He will work for his M.S. in E.E.

THOMAS A. CARTER JR. is out of the Navy.

ILIF ROSS DANA JR. was selected for Who's Who in Students of American Universities and Colleges. He is now out of the Navy and will return to Tech to obtain his Masters in C.E.

KENNETH DEREMER will work for RCA Laboratory in Princeton, New Jersey.

RICHARD E. KUHNS was recently discharged from the Navy upon returning from Tutuilla, American Samoa.

HARRY LEW has been employed by Hughes Aircraft.

BILL LOCKWOOD is working with the Continental Can Company in Oakland as an industrial engineer.

ROBERT McANLIS will be married in October to a Pasadena girl. Bob is working for Johns-Mansville Products in Lompoc.

GEORGE D. McDONALD JR. was released from the Navy as an ensign after doing research on rockets at the Naval Ordnance Test Station at Inyokern. He is now working for the Hall-Mack Company of Los Angeles.

FREDERICK W. MORRIS JR. has left the Army where he was a lieutenant in the Signal Corps, serving as radio, radar and telephone center officer at Fort Monmouth, New Jersey, and Bremerhaven, Germany.

JOHN B. NELSON will take graduate work at M.I.T. in mechanical engineering.

THOMAS W. NORSWORTHY was recently discharged from the Navy and hopes to take graduate work, though he is not sure which school, when we heard from him.

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ROBERT J. PARKS is back home after being stationed in Vienna, Austria with a Signal Battalion, maintaining communication with the U.S. forces in Austria Headquarters.

GEORGE F. SMITH is out of the Navy now and upon the completion of his terminal leave will take a position with Engineering Research Associates in St. Paul, Minnesota.

CLARENCE L. WELLIVER has received a license as second assistant engineer in the U.S. Merchant Marine. He expects to remain active until March, 1947.

DOYLE E. WILCOX and Miss Eunice A. Fuller of Pasadena were married in June. Doyle is employed in Pasadena by the Consolidated Engineering Corporation.

PAUL H. WINTER spent 19 months in the Philippines; is now home to stay after his terminal leave expires.

1945

DALE H. AUSTIN will be married to Miss Nancy Lou Peterson in November at San Gabriel. Dale served in the Navy as an ensign and is planning on taking graduate work at the Institute in M.E.

HALCYON BALL will study at the University of Denver for a degree in Business Administration.

EUGENE W. BOLSTER is employed by the Southern California Gas Company.

KENNETH G. BROWN JR. reports that he was married last year to Miss Patsy Ruth Gonn. He is now out of the Navy.

JOHN D. CARDALL JR. will take graduate work at the University of Denver in Business Administration. He was a deck officer in the Navy during the war.

LAWRENCE E. FULLER has been employed by Patterson Ballagh Corporation in Los Angeles.

RAYMOND C. GERBER JR. has been released from the U.S.N.R. supply group.

RICHARD JASPER is with the Quinton Engineers, Ltd., in Los Angeles.

RICHARD KNUDSEN visited the campus recently.

MARK H. MACOMBER hopes to take graduate work at Tech next year. He is a civilian now after serving as a communications officer in the Navy.

WILLIAM C. McDONELL, while in the Navy, made a cruise to Nagasaki, Japan, Pearl Harbor and Norfolk on an APA as a deck division officer. The ship brought back a load of 10th division Marines who had been doing occupation duty in Japan. Bill will take graduate work at Berkeley.

EMANUEL J. MILLER is employed by C. F. Braun and Company.

RICHARD V. HENRY was recently discharged from the Navy after seeing duty aboard the U.S.S. Gen. H. W. Butner on the China run. Dick has been employed by Lockheed Aircraft.

DONALD D. MacDOUGALL is returning to Tech for an M.S. in either E.E. or Physics.

REUBEN F. METTLER was in the Electronic Field Service Group while in the Navy. He is going to study for his Masters in Electrical Engineering at C.I.T.

WILLIAM F. ROBERTS will be married in the near future, though the date is indefinite. He is out of the Navy after serving as a deck officer and navigator.

R. Y. SCAPPLE will be working toward a Masters in E.E. at Stanford after being stationed at advance bases, Peleliu and Guam with the Navy.

EUGENE SCOTT got in on some of the excitement around Bikini. Though he left a week before "Operation Crossroad," he saw many of the preparations being made.

DONALD W. SINCLAIR spent his time in service with the Navy aboard the Cruiser U.S.S. Providence.

JOHN M. SLYE has accepted a position with the Los Alamos Research Laboratories.

THEODORE B. TAYLOR will take graduate work at the University of California for an M.S. degree in Physics.

DONALD C. TILLMAN was married to Miss Doris Marjorie Last in September in Patterson, New Jersey.

ROBERT G. TROUT served as a line officer with the Navy. He is out of service now taking graduate work at Caltech.

LAWRENCE E. WILFERTH JR. is employed by the Southern California Gas Company.

ROBERT E. WILKINSON is home after serving as an ensign with the U. S.N.R. Amphibious forces.

1946

BENJAMIN AUSTIN is employed at Baker Oil Tools in Los Angeles.

CHARLES A. BERGMAN is working at C. F. Braun, Inc., in Alhambra.

CHARLES DAVIS will be an instructor at John Muir Junior College in Pasadena.

JACK L. JENSEN is out of the Navy.

F. H. LAMSON-SCRIBNER was recently discharged from the Navy.

GEORGE D. MEIXNER JR. saw light cruiser duty in the Atlantic prior to his discharge. George will take graduate work at Berkeley.

STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912.

of ENGINEERING AND SCIENCE MONTHLY, California Institute of Technology, published monthly at Pasadena, California, for October, 1946.

State of California,
County of Los Angeles, ss.

Before me, a notary public in and for the State and county aforesaid, personally appeared the editor of the ENGINEERING AND SCIENCE MONTHLY, California Institute of Technology, DONALD S. CLARK, who having been duly sworn according to law, deposes and says that he is the editor of the ENGINEERING AND SCIENCE MONTHLY, California Institute of Technology, and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management (and if a daily paper, the circulation) etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in section 411, Postal Laws and Regulations, printed on the reverse of this form to wit:

1. That the names and addresses of the publisher, editor, managing editor, and business managers are: Publisher, Alumni Association, Inc., 1201 E. California St., Pasadena 4, California; Editor, Donald S. Clark, 1201 E. California St., Pasadena 4, California; Managing Editor, Wesley P. Bunnelle, 1201 E. California St., Pasadena 4, California; Business Manager, Wesley P. Bunnelle, 1201 E. California St., Pasadena 4, California.

2. That the owner is: (If owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of stockholders owning or holding one per cent or more of total amount of stock. If not owned by a corporation, the names and addresses of the individual owners must be given. If owned by a firm, company, or other incorporated concern, its name and address, as well as those of each individual member, must be given.) Alumni Association, Inc., California Institute, 1201 E. California St., Pasadena 4, California; no stock, a non-profit corporation.

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5. That the average number of copies of each issue of this publication sold or distributed through the mails or otherwise, to paid subscribers during the six months preceding the date shown above is . . . (This information is required from daily publications only.)

DONALD S. CLARK, Editor
Sworn to and subscribed before me this 7th day of October, 1946.

(Seal) I da A. Ritchie.
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