# 57

## **VARIETIES**

57 - count 'em - 57

Athletic Facilities! Student Loan Fund! General Purposes! Plant Fund! Divisional Grants! Lacey Fund! Equipment! Endowment Fund! Green Fund! Divisional Research! Sorensen Fund! Faculty Salary Fund! Fellowship Fund! Gnome Club Fund! Library Fund! Scholarship Fund!

- ... forty-one other funds available!
- ... give now and avoid the Christmas rush . . .

CALTECH ALUMNI FUND

## Personals

#### 1926

RAYMOND F. CHILDS, retired engineer from the Standard Oil Company, died on October 26 of cancer in Redwood City, Calif. He is survived by his wife.

#### 1927

JAMES BOYD, president of the Copper Range Company in New York, has also been elected chairman of the White Pine Copper Company, a subsidiary producing copper in White Pine, Mich.

#### 1934

GUY O. MILLER died on September 12 of cancer in Osage Beach, Mo. An engineer with the Phillips Petroleum Company in Bartlesville, Oklahoma, he had retired in 1951 to the Lake of the Ozarks in central Missouri.

#### 1935

GORDON R. EWING is now directing corporate planning for all divisions of the Meredith Publishing Company in Des Moines, Ia. He is also a vice president, a member of the company's executive committee and board of directors, and has served as vice president and general manager of Meredith Printing, the firm's manufacturing division. He has been with the company since 1961.

#### 1936

CDR. DAVID M. WHIPP has been promoted to Captain in the commissioned corps of the U.S. Coast and Geodetic Survey. He is now serving as C&GS liaison officer at Fort Sill, Oklahoma. A veteran of 25 years, he has spent more than 11 years aboard seven ships of the Survey's "white fleet" engaged in hydrographic surveying and charting. The Whipps have two daughters — Patricia, a physicist at General Dynamics Research Laboratory in Pomona; and Dorothy, a junior in high school in Fort Sill.

#### 1940

F. C. BRUNNER, MS '41, writes that he was recently reunited with "an old Alhambra High School friend, Fred Oder, MS '41, when the Brunners stayed overnight with the Oders in their Fairport, N.Y. home on the way to a canoeing vacation in the Canadian Wilderness." Fred Oder is a research manager with Eastman Kodak in Rochester. His oldest son is a medical student at Rochester, after graduating from Harvard. Fred Brunner was recently named head of the chemical engineering department at C. F. Braun's Eastern Division office in Murray Hill,

N.J. He has two college junior sons, one at the New Hampshire College of Advanced Science, and one in geology at RPI.

#### 1940

J. B. GLASSCO and S. R. VALLURI, MS '50, PhD '54, are co-recipients, with G. E. Bockrath, of the Wright Brothers Medal, awarded annually by the Society of Automotive Engineers, for the most outstanding paper on aerospace technology. Glassco and Bockrath are both in the Missile and Space Systems Division of the Douglas Aircraft Company. Valluri, who was a consultant to Douglas from Caltech at the time the paper was presented, is now on leave of absence from Caltech as senior professor and head of the department of applied mechanics at the Indian Institute of Technology in Madras, India.

#### 1944

FRANK W. LEHAN, president of Aerojet's subsidiary, Space-General Corporation, has also been elected vice president of advanced systems for Aerojet-General. He has held important posts at JPL and the Space Technology Laboratories, and was a co-founder in 1958 of the Space-Electronics Corporation, which later became Space-General.

WILBUR M. SWANSON, MS '48, ME '51, is now professor of mechanical engineering at Washington University in St. Louis, Mo.

#### 1946

ALLAN B. ELLIOTT, MS, is now assistant treasurer of Top Value Enterprises, Inc., in Dayton, Ohio. He was formerly assistant to the treasurer, and has been with the company since 1961. Before joining Top Value, he had served as assistant regional controller at the Montgomery Ward Company. He is married and has three children.

WILLIAM MOJE, associate chemist and lecturer in the plant pathology department of the University of California at Riverside, died on August 12 of a heart attack. He was 39.

After he received his PhD at UCLA in 1950, Dr. Moje studied for two years at the University of Illinois and worked as a chemist for a year with the Du Pont Company in New York. He joined the UC Experiment Station in 1953.

He leaves his wife and five children.

#### 1947

DAVID L. DOUGLAS, PhD '51, is now director of research and development at Gould-National Batteries, Inc., in St. Paul, Minn. He had been associated with the General Electric Company's direct energy conversion operation as manager of technology planning since 1961.

CLYDE MURTAUGH, MS, engineering manager of the Surveyor Lunar Roving

Vehicle at the Bendix Corporation in Detroit, Mich., is now chairman of the American Institute of Aeronautics and Astronautics, Michigan section.

JOHN R. SCULL is now head of the guidance and control division at Caltech's Jet Propulsion Laboratory. He was formerly chief of the guidance and control analysis and integration section, and has been at IPL since 1949.

#### 1949

JOHN F. KOSTELAC has joined International Consulting Services, Inc., and is now in Turkey serving as division superintendent of utilities and services for the Eregli Iron and Steel Corporation. The newly constructed steel plant was erected by Koppers Associates (a joint venture of Koppers, Westinghouse Electric International Corporation, and the Blaw-Knox Company) on the Black Sea Coast. Kostelac was formerly division superintendent of maintenance and construction with the Crucible Steel Company of America at Midland, Pa.

LT. CDR. ARTHUR R. BENTON, JR., MS '50, has been promoted to Commander in the commissioned corps of the U. S. Coast and Geodetic Survey. He is serving aboard the *Surveyer* as field operations of-fficer and third in command. He has been

with the Coast and Geodetic Survey since 1950.

#### 1950

JAMES C. CONLY, PhD, is manager of market development for the Stauffer Chemical Company's research center in Chauncey, N.Y.

DEAN A. RAINS, MS '51, PhD '54, is assistant group director of the newly formed general and systems planning directorate at the Aerospace Corporation's system planning division in Los Angeles. He was formerly with the United Technology Corporation.

#### 1952

COL. JOSEPH F. LOFTUS, MS, is now staff judge advocate for Headquarters, Middletown Air Materiel Area, at Olmstead AFB in Pennsylvania. He was formerly stationed at Griffiss AFB in New York.

#### 1953

CARL A. RAMBOW, MS '58, has been senior engineer with the consulting firm of James M. Montgomery in Pasadena for the past two years. He was formerly assistant professor and assistant sanitary engineer at Washington State University.

#### 1958

W. PHILLIP HELMAN, MS' 60, has just

completed requirements for his PhD in physical chemistry at the University of Minnesota and is now a research chemist at the DuPont Jackson Laboratory in Wilmington, Del.

#### 1960

L.T. WILLIAM R. VAN SCHMUS writes that "I graduated from UCLA in June with a PhD degree in geology. On August 12 we had a son, Brian, and on September 1, I entered into active duty in the U. S. Air Force. I am stationed at the Air Force Cambridge Research Laboratories in Bedford, Mass., where I am working in the Lunar and Planetary Branch."

M. NAFI TOKSOZ, MS, PhD '63, has been appointed assistant professor of geophysics at MIT.

#### 1964

MELVIN E. MEDOF is a freshman at the USC School of Medicine. He is one of 68 medical students chosen from more than 800 applicants.

WILLIAM C. STWALLEY has been awarded a fellowship for graduate studies in physical organic chemistry at Harvard. The selection, made by the National Academy of Sciences-National Research Council, is supported by the Leeds & Northrup Foundation at Philadelphia.

# **CIVIL ENGINEERS:**

Prepare now for your future in highway engineering...get the facts on The Asphalt Institute's new computer-derived method for determining structural design of Asphalt pavements for roads and streets

Today, as more and more states turn to modern Deep-Strength\* Asphalt pavement for their heavy-duty highways, county and local roads, there is a growing demand for engineers with a solid background in the fundamentals of Asphalt technology and construction.

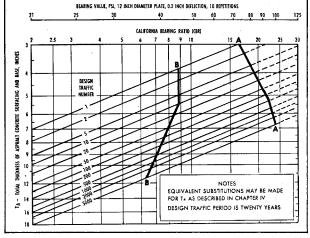
Help to prepare yourself now for this challenging future by getting the latest information on the new Thickness Design Method developed by The Asphalt Institute. Based on extensive statistical evaluations performed on the IBM 1620 and the mammoth IBM 7090 computers, accurate procedures for determining road and street structural requirements have been developed.

All the facts on this new method are contained in The Asphalt Institute's Thickness Design manual (MS-1). This helpful manual and much other valuable information are included in the free student library on Asphalt construction and technology now offered by The Asphalt Institute. Write us today.

\*Asphalt Surface on Asphalt Base

### THE ASPHALT INSTITUTE

College Park, Maryland



Thickness Design Charts like this (from the MS-1 manual) are used in this new computer-derived method. This chart enables the design engineer quickly to determine the over-all Asphalt pavement thickness required, based on projected traffic weight and known soil conditions.

L
tudent library on Asphalt con- including full details on your nod.
Class
· · · · · · · · · · · · · · · · · · ·
State