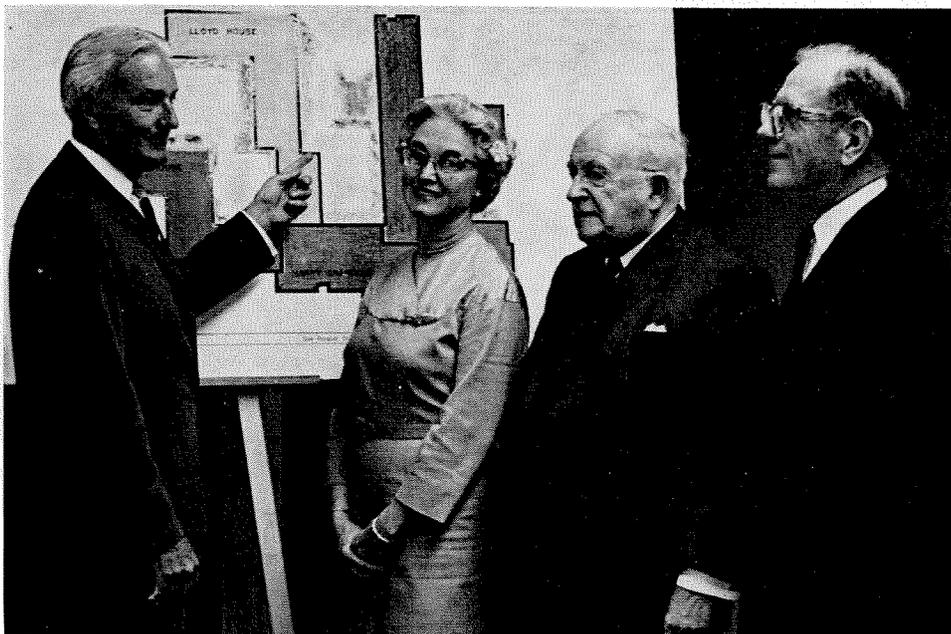


*Distinguished guests at dedication and groundbreaking ceremonies—
Norman Chandler,
president of the Times
Mirror Company;
Mrs. Mark J. Dees;
James R. Page,
honorary chairman of
Caltech's board of
trustees; and
Albert B. Ruddock,
chairman of the
board of trustees.*



The Month at Caltech

Campus Construction

A multiple ceremony took place on the Caltech campus on October 3 when the Chandler Dining Hall and three new student houses were dedicated, and ground was broken for four graduate houses.

The dining hall is named for Harry Chandler, publisher of the Los Angeles *Times*, and president of the Times Mirror Company, who was a Caltech trustee from 1920 until his death in 1944. The hall is a gift of the Chandler family, The Times Mirror Company and the F. X. Pfaffinger Foundation of the Times.

The new undergraduate houses which are providing homes for about 250 students are named for Albert B. Ruddock, chairman of the Caltech board of trustees; James R. Page, a former board chairman and now honorary chairman; and the third house is named in memory of Lulu H. Lloyd and Ralph Lloyd, who was a trustee from 1939 to 1952, and died in 1953.

The graduate house group will consist of four reinforced concrete buildings of contemporary style, located on a new section of the campus north of San Pasqual Street on the east side of Holliston Avenue. The houses are named for their donors: Carl F. Braun; David Marks; William M. Keck, Jr.; Earle M. Jorgenson and Samuel B. Mosher.

Science and Government

General Maxwell Taylor, former U.S. Army Chief of Staff, comes to the Caltech campus this month as

the first seminar speaker in the Carnegie program of science and government. He speaks on "A Blueprint of National Security."

These seminars, to be held weekly throughout the academic year, are made possible by a grant of \$330,000 from the Carnegie Corporation of New York, designed to develop the social sciences in Caltech's division of humanities. The lectures for 1960-61 will center around the problems of armament control with respect to national policy and international relations.

The second lecture in the series, on October 19, will feature Jules Moch, the permanent French member of the United Nations Committee on Disarmament. He will speak on "Why Disarmament is Necessary, and How to Control It."

Among other lecturers in the program will be Sir Charles P. Snow, author and scientist; Professor H. A. Kissinger of Harvard; Professor Warner Schilling of Columbia; Professor C. E. Osgood of Illinois; and Professor I. I. Rabi of Columbia.

Harry J. Bauer

Harry J. Bauer, president of the Automobile Club of Southern California, and a trustee of Caltech, died on September 11 of cerebral thrombosis.

Mr. Bauer was past president and board chairman of the Southern California Edison Company and had been associated with the company for more than 50 years. A graduate of Pasadena High School, he later received a degree in law from SC and formed the law firm of Bauer, Wright, and MacDonald in 1921.

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Mr. Bauer had the longest period of service on Caltech's board of trustees — from 1929 to 1960. He made many contributions to the Institute. In 1930 he financed a student committee of three undergraduates for a tour of eastern colleges, and as far as Oxford, Cambridge, Heidelberg and The Sorbonne, so that the Caltech student body could determine whether it should have college dormitories or fraternity houses. He then contributed \$25,000 toward the completion of Fleming House. Another of his gifts to the Institute consisted of about 300 volumes in the field of Renaissance science, including several first and early editions of Copernicus, Galileo, and Kepler.

Mr. Bauer also served as chairman of Caltech's Budget Committee, as a member of the Finance Committee, and as a member of the Palomar Committee.

Honors and Awards

George Beadle, chairman of the biology division and acting dean of the Caltech faculty, has been named honorary advisor to the American Institute of Biological Scientists.

Ray D. Owen, professor of biology, has been appointed vice president of the Genetics Society of America.

John D. Roberts, professor of organic chemistry, has been elected to the board of directors of the newly-formed science book publishing house of W. A. Benjamin, Inc., in New York.

Theodore von Karman, chairman of the Advisory Group on Aeronautical Research and Development of NATO, and professor emeritus of aeronautics at Caltech, has received the Lamme Medal for distinguished contributions to engineering education and research — one of the nation's highest awards in engineering education.

Faculty Changes

New members of the Institute's staff of instruction and research for 1960-61 include:

Paul R. Baker, instructor in history, from Harvard where he received his PhD in June.

Manuel Bass, assistant professor of geology, from the Carnegie Institution at Washington, D.C. where he has been a research fellow for two years. He received his BS in 1949 and his MS in 1951 from Caltech, and his PhD in 1956 from Princeton.

Robert I. Conhaim, instructor in history, from UCLA where he received his PhD in June.

Egon T. Degens, assistant professor of geology,

from the University of Wurzburg in Germany where he was a scientific associate. He received his PhD from Bonn University in Germany in 1955.

Chuan C. Feng, visiting associate in engineering, from the University of Missouri where he is associate professor of civil engineering. He received his BS from the National Chiao-tung University in China in 1945, and his MS in 1955 and his PhD in 1959 from the University of Missouri.

Dieter Gaier, senior research fellow in mathematics, from the University of Giessen in Germany where he was professor of mathematics. He received his PhD from the University of Rochester, New York, in 1951.

Stewart E. Hazlet, visiting associate in chemistry, from the University of Washington in Seattle, where he is dean of the graduate school and professor of organic chemistry. He received his PhD from Iowa State University in 1935.

Charles E. Helsley, assistant professor of geology, from Princeton University where he received his PhD in June. He received his BS from Caltech in 1956 and his MS in 1957.

Alvin F. Hildebrandt, senior research fellow in chemistry, from the Jet Propulsion Laboratory where he is research specialist. He received his BS in 1949 from the University of Houston, and his PhD in 1956 from Texas A&M.

Alan J. Hodge, professor of biology, from MIT where he was a research associate in biology. He received his BSc from the University of Western Australia in 1946, and his PhD from MIT in 1952.

Jean Humblet, research associate in physics, from the University of Liège in Belgium where he is a staff member of the Astrophysical Institute.

Charles E. Jacob, lecturer in engineering, who is in private practice as a consultant in Northridge, Calif. From 1953 to 1955 he was professor of geology at Brigham Young University in Utah.

Theodore A. Jacobs, senior research fellow in jet propulsion, received his PhD from Caltech in June. He is a graduate of Emory University in Georgia, and received his MS from USC in 1954.

Lowell B. Koppel, instructor in chemical engineering, from Northwestern University in Illinois where he received his PhD in June. He received his BS from Northwestern in 1957, and his MS from the University of Michigan in 1958.

Robert V. Meghreblian, associate professor of applied mechanics, from JPL where he still serves as chief of the physical sciences division. He received his MS in 1950 and his PhD in 1953 from Caltech.

Elliot Pinson, instructor in electrical engineering, and now a candidate for a PhD at Caltech, received his BS from Princeton in 1956, and his MS from MIT in 1957.

William P. Schaefer, instructor in chemistry, from UCLA where he received his PhD in June. He received his BS from Stanford in 1952, and his MS in 1954 from UCLA.

John Howe Scott, visiting associate in chemistry, from Macalester College in Minnesota where he is associate professor of chemistry. He received his AB from Clark University in Massachusetts in 1930, and his MS from Iowa State University in 1931.

Leonard Searle, senior research fellow in astronomy, from the David Dunlap Observatory in Toronto. He received his PhD from Princeton in 1956.

Paul A. Walker, visiting associate in biology, from the Randolph-Macon Woman's College in Virginia where he is professor of biology and chairman of the department. He received his AB from Bowdoin College in Maine in 1931, his AM from Harvard in 1932, and his PhD from Harvard in 1936.

M. L. Weidenbeck, research associate in physics, from the University of Michigan where he is professor of physics. He received his BS in 1941 from Canisius College in Buffalo, and his MS in 1942 and PhD in 1945 from the University of Notre Dame.

Helmut Weilandt, visiting professor of mathematics, from the University of Tübingen in Germany where he has been professor of mathematics since 1951. He received his PhD from the University of Berlin in 1935.

Peter Yankwich, visiting associate in chemistry, from the University of Illinois where he is professor of chemistry. He is at Caltech on a National Science Foundation senior postdoctoral fellowship.

Adriaan C. Zaanen, visiting professor of mathematics from Leiden State University in Holland where he has been professor of mathematics since 1956 where he received his PhD in 1938.

Frederik Zachariassen, assistant professor of physics, from Stanford University where he has been assistant professor of physics since 1958. He received his BS from the University of Chicago in 1951 and his PhD from Caltech in 1956.

ON LEAVE OF ABSENCE

Robert F. Christy, professor of theoretical physics, to the Institute for Advanced Studies in Princeton, N.J.

Hans Ellersieck, associate professor of history, to Europe and the Soviet Union on a Ford Foundation Grant.

Albert E. Engel, professor of geology, for a second year as professor of geology at the Scripps Institute of Oceanography at La Jolla.

W. Barclay Kamb, associate professor of geology, to Switzerland on a Guggenheim Memorial Fellowship for studies on alpine glaciers.

DEPARTURES:

Richard H. Jahns, professor of geology, has left Caltech to become chairman of the department of earth sciences at The Pennsylvania State University. He has been on the Caltech staff since 1946.

Dr. Johns received his BS in geology at Caltech in 1935, his MS from Northwestern University in 1937, and his PhD from Caltech in 1943. Shortly after graduation in 1935 he joined the staff of the U. S. Geological Survey. He returned to Caltech as assistant professor of geology in 1946, became an associate professor in 1947, and was made a full professor in 1949. He was elected to the board of directors of the Caltech Alumni Association in 1955.

PROMOTIONS:

To Professor:

J. Kent Clark — English
Charles E. Crede — Mechanical Engineering
James C. Davies — Political Science
David C. Elliot — History
Alfred Stern — Languages and Philosophy
M. L. Williams, Jr. — Aeronautics

To Associate Professor:

A. L. Albee — Geology
Nicholas George — Electrical Engineering
Peter W. Fay — History
W. Barclay Kamb — Geology
W. A. J. Luxemburg — Mathematics
George P. Mayhew — English
C. H. Wilcox — Mathematics
E. E. Zukoski — Jet Propulsion

To Senior Research Fellow:

Anthony Demetriades — Aeronautics
J. H. Mullins — Physics

To Assistant Professor:

R. E. Block — Mathematics
R. S. Edgar — Biology
R. A. Huttenback — History
R. W. Kavanagh — Physics
Carver Mead — Electrical Engineering
R. G. Rinker — Chemical Engineering
D. R. Smith — English
H. A. Weidenmuller — Physics