

The Summer at Caltech

Faculty Changes

New members of the Institute's staff of instruction and research for 1959-60 include:

A. L. Albie, visiting professor of geology, from Washington, D.C., where he has been working with the U. S. Geological Survey since 1950. Dr. Albie received his PhD from Harvard University in 1957.

Robert J. Allen, visiting professor of English, from Williams College, Massachusetts, where he has been chairman of the English department since 1949. Dr. Allen received his PhD from Harvard University in 1929.

Jerome A. Berson, visiting professor of chemistry, from the University of Southern California where he is professor of chemistry. Dr. Berson received his PhD from Columbia University in 1949.

Paul J. Blatz, senior research fellow in aeronautics, from the Aerojet-General Corporation where he has been a technical specialist. Dr. Blatz received his PhD from Princeton University in 1948.

A. G. W. Cameron, senior research fellow in astronomy, from the Chalk River Atomic Energy Center of Canada, Ltd. Dr. Cameron received his PhD from the University of Saskatchewan in 1952.

R. F. Chisnell, visiting lecturer in aeronautics, from the University of Manchester in England where he is a lecturer in mathematics and English. Dr. Chisnell will spend the first term at MIT before coming to Caltech in January.

Alan Green, assistant secretary of the YMCA, who is a graduate of Claremont Men's College and the Pacific School of Religion in Berkeley, Calif.

Marshall Hall, Jr., professor of mathematics, from Ohio State University where he has been professor of mathematics since 1949. Dr. Hall received his PhD from Yale University in 1936.

Fred Hoyle, visiting professor of astronomy, from the University of Cambridge where he is Plumian Professor of Astronomy and Experimental Philosophy.

Hans D. Krumhaar, senior research fellow in aeronautics, from the University of Goettingen in Germany where he is scientific assistant in aeroelasticity. Dr. Krumhaar received his PhD from the University of Goettingen in 1955.

Henry Kuivila, visiting associate in chemistry, on a National Science Foundation grant. Dr. Kuivila is professor of chemistry at the University of New Hampshire.

Anton Lang, professor of biology, from UCLA where he has been associate professor of biology. Dr. Lang received his PhD from the University of Berlin in 1939, and was a research fellow at Caltech from 1950 to 1952.

Henry W. Menard, visiting professor of submarine geology, from the Scripps Institute of Oceanography where he has been associate professor of submarine geology since 1951.

James E. Mercereau, assistant professor of physics, who received his PhD from Caltech in June.

John F. Nye, visiting professor in glaciology, from the University of Bristol in England where he is a lecturer in physics.

Robert W. Oliver, visiting professor of economics, from the Stanford Research Institute where he was an economist. Dr. Oliver received his PhD from Princeton University in 1957.

Arnold M. Paul, instructor in history, from UCLA where he has been physics instructor in the extension division since 1956. Dr. Paul got his PhD from UCLA in 1958.

Cornelius J. Pings, Jr., associate professor of chemical engineering, from Stanford University where he has been associate professor of chemical engineering. Dr. Pings received his BS in 1951, his MS in 1952 and his PhD in 1955 from Caltech. He will also serve as resident associate of Fleming House during the 1959-60 academic year.

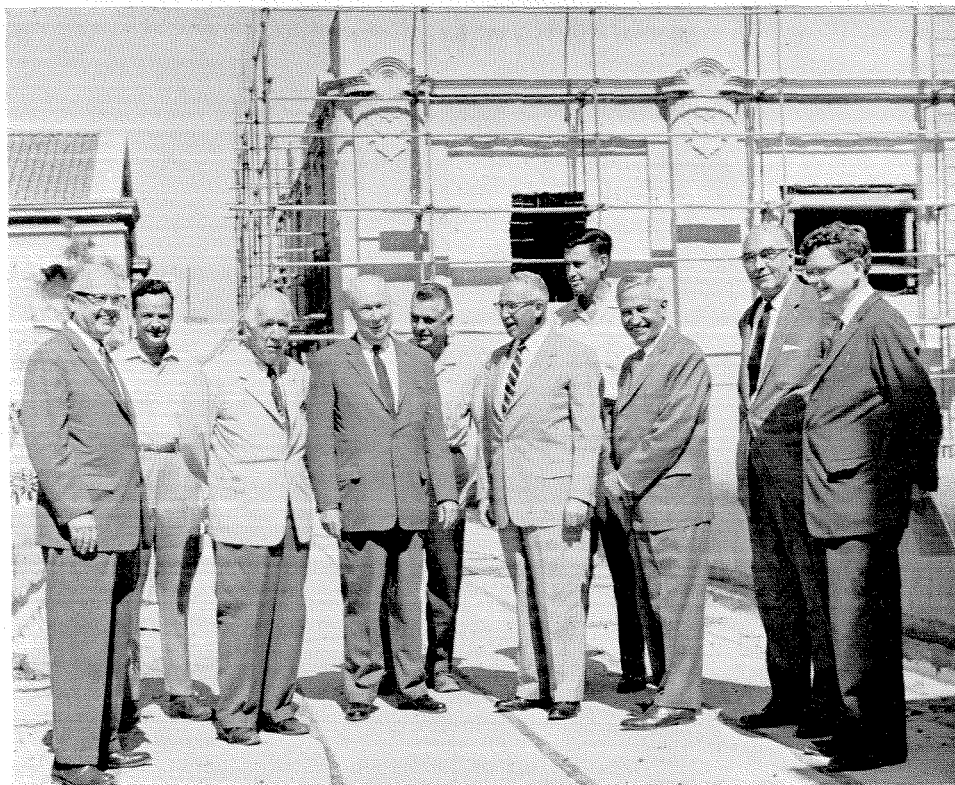
G. Bailey Price, visiting professor of mathematics, from the University of Kansas where he is professor of mathematics and chairman of the department.

Octavio G. Ricardo, research associate in aeronautics, from the Technological Institute of Aeronautics in Sao Paulo, Brazil, where he is associate professor of structures.

G. Wilse Robinson, associate professor of chemistry, from John Hopkins where he has been assistant professor of chemistry since 1954. Dr. Robinson received

SUMMER VISITOR

Niels Bohr, director of the Institute for Theoretical Physics in Copenhagen, Denmark (third from left) and W. V. Houston, president of the Rice Institute in Houston, Texas, (fourth from left) tour the campus with Caltech physicists Fowler, Feynman, Pellam, Bacher, Christy, DuBridge, Anderson and Lauritsen.



his PhD from the University of Iowa in 1952.

August T. Rossano, Jr., visiting professor of environmental health engineering, from the Robert A. Taft Sanitary Engineering Center in Cincinnati where he is technical liaison officer of the air pollution program for the Public Health Service.

Maarten Schmidt, associate professor of astronomy and staff member of the Mt. Wilson and Palomar Observatories, from the University of Leiden Observatory in Holland where he was a staff member.

Cushing Strout, associate professor of history, from Yale University where he has been assistant professor of history since 1956. Dr. Strout received his PhD from Harvard University in 1952.

Hugh P. Taylor, Jr., assistant professor of geology, who received his PhD from Caltech in June.

Otis L. Updike, Jr., visiting associate in chemistry, from the University of Virginia where he has been associate professor of chemical engineering since 1955.

George W. Wetherill, visiting professor of geochemistry, from the Carnegie Institution in Washington, D.C., where he is a staff member of the department of terrestrial magnetism.

Harold E. Wilcox, visiting associate professor of chemistry, from Southern College in Birmingham, Alabama, where he has been professor of chemistry and head of the department since 1946. Dr. Wilcox received his PhD from Ohio State University in 1939.

ON LEAVE OF ABSENCE:

James C. Davies, associate professor of political science, to the University of California at Berkeley as visiting associate professor of political science.

Albert E. Engel, professor of geology, to the Scripps Institute of Oceanography at La Jolla as professor of geology.

Murray Gell-Mann, professor of theoretical physics, to the University of Paris as visiting professor of theoretical physics on a senior postdoctoral National Science Foundation Fellowship.

Beach Langston, associate professor of English, to lecture on American literature at the Universities of Lille and Rennes in France on a Fulbright grant.

Hardy C. Martel, associate professor of electrical engineering, to the Bell Telephone Laboratories in Murray Hill, N. J., as a member of the technical staff for one year.

Herschel K. Mitchell, professor of biology, to the University of Zurich in Switzerland where he will do a year's research on *Drosophila* flies in Professor Ernst Hadorn's laboratory.

Vincent Z. Peterson, assistant professor of physics, to the National Institute of Nuclear Physics in Frascati, Italy, on a Fulbright grant. He will conduct research on high energy nuclear physics.

Charles F. Richter, professor of seismology, to the Geophysical Institute of Tokyo University in Japan as a Fulbright Research Scholar to conduct research in seismology.

Walter A. Schroeder, research associate in Chemistry, to the Carlsberg Laboratory in Copenhagen, Denmark, as a Guggenheim Scholar.

J. Harold Wayland, professor of applied mechanics, to the Microhydrodynamics Center in Strasbourg, France; Cambridge University, England; and University College, Cork, Ireland.

DEPARTURES:

James A. Noble, professor of geology, resigned to work as a private consultant to industrial firms in Pasadena.

Frits Went, who was in charge of Caltech's Earhart Laboratory, to the Missouri Botanical Gardens in St. Louis, as director.

PROMOTIONS:

To Professor:

Julian Cole—Aeronautics and Applied Mechanics

Samuel Epstein—Geochemistry

Yuan-Cheng Fung—Aeronautics

Robert Leighton—Physics

Harden McConnell—Chemistry

Guido Munch—Astronomy

Charles Papas—Electrical Engineering

Matthew Sands—Physics

Robert Walker—Physics

To Associate Professor:

Clarence Allen—Geology

Felix Boehm—Physics

Donald Coles—Aeronautics

Richard Dean—Mathematics

F. Brock Fuller—Mathematics

Dino Morelli—Mechanical Engineering

Gerald Wasserburg—Geology

To Senior Research Fellow:

Marjorie Caserio—Chemistry

Ricardo Gomez—Physics

Thomas Matthews—Astronomy

To Assistant Professor:

Toshi Kubota—Aeronautics

Jon Mathews—Physics

Second Jazz Festival

The Caltech Student Body will present its second Pasadena Jazz Festival at the Civic Auditorium on October 31. The show will feature the Dave Brubeck Quartet, the Arthur Lyman Quartet, the Andre Previn Trio with Shelly Manne on the drums, and singer Mavis Rivers. Tickets are available at Mutual ticket agencies, the Caltech News Bureau, or by writing to Box 76, California Institute of Technology.

Caltech in Print

Caltech features turned up in two national magazines last month — *Fortune* and *Cosmopolitan*.

Under the title "Magnetic Caltech," *Fortune* writer George A. W. Boehm covered the past history and future growth of the Institute — and dug up a lively assortment of Caltech anecdotes.

The liveliest:

"No other school screens its students so carefully; faculty members tour the country to give personal interviews to 700 of the highest-ranking candidates for the freshman class. The ones accepted scored in the upper 1 or 2 percent in the nationwide College Entrance Board examinations. And they will undoubtedly have lively imaginations as well as textbook learning.

"A general-biology examination last year posed the following question: 'You have been sent by the National Aeronautics and Space Administration to outer space and charged to report for each celestial body as to whether or not it is inhabited by living objects. How will you recognize objects as living?'"

"The answers were, to say the least, ingenious. Most of the students suggested exposing unfamiliar objects to strong radiation or cutting them in half on the theory that such treatment would cause drastic changes in living things. One student, however, advised a more direct approach: 'Ask if it is alive. Even a negative reply should make you suspicious.'"

In *Cosmopolitan*, in a picture story on college campuses and college dress, a group of Caltech undergraduates appeared — in glorious color — attired in their House coats. As far as the *Cosmopolitan* coverage went, the Caltech students seemed to be among the best-dressed in the country. This may come as something of a surprise to regular inhabitants of this campus.



Caltech's Cosmopolitan undergraduates.