

Faculty Changes

Promotions

TO PROFESSOR:

Tom M. Apostol—Mathematics
Charles A. Barnes—Physics
Norman H. Brooks—Civil Engineering
Thomas K. Caughey—Applied Mechanics
Roy W. Gould—Engineering and Physics
W. Barclay Kamb—Geology
W. A. J. Luxemburg—Mathematics
Julius Miklowitz—Applied Mechanics
Anatol Roshko—Aeronautics
Cushing Strout—History
A. V. Tollestrup—Physics
Ward Whaling—Physics
G. B. Whitham—Aeronautics and Mathematics

TO ASSOCIATE PROFESSOR:

Fred C. Anson—Analytical Chemistry
Derek H. Fender—Biology and Electrical Engineering
A. M. Garsia—Mathematics
Oscar Mandel—English
Jon J. Mathews—Theoretical Physics
Carver A. Mead—Electrical Engineering
Ronald F. Scott—Civil Engineering
Leon T. Silver—Geology
Frederic Zachariasen—Theoretical Physics

TO SENIOR RESEARCH FELLOW:

Hao-Wen Liu—Aeronautics

TO ASSISTANT PROFESSOR:

Paul R. Baker—History
Everett C. Dade—Mathematics
Kenneth Lock—Electrical Engineering
William P. Schaefer—Chemistry
Bradford Sturtevant—Aeronautics
Robert D. Wayne—German

New Faculty Members

F. H. Abernathy, visiting associate in aeronautics, from Harvard University, where he is assistant professor in the division of engineering and applied physics.

Keiiti Aki, visiting associate in seismology, from the Earthquake Research Institute at Tokyo University, where he is associate professor.

John R. Atkins, instructor in psychology and anthropology, from the University of Pittsburgh, where he was research associate in anthropology.

T. R. Anantharaman, senior research fellow in materials science, from the Indian Institute of Science in Bangalore, where he is assistant professor of metallurgy.

Sherwin P. Avann, senior research fellow in mathematics, from the University of Washington, where he is associate professor of mathematics.

B. J. S. Barnard, senior research fellow in applied mechanics, from Cambridge University, where he received his PhD this year.

Richard Barnes, visiting associate in physics, from Iowa State University, where he is professor of physics and senior physicist at the Ames Laboratory.

Henry E. Baumgarten, visiting associate in chemistry, from the University of Nebraska, where he is professor of chemistry.

Herbert Booth, instructor in speech and director of forensics, from Cerritos College, where he was instructor in speech and assistant director of forensics.

Bille C. Carlson, senior research fellow in mathematics, from the University of California, where he received his PhD this year.

William Chester, visiting professor of aeronautics, from Bristol University in England, where he is a reader in the mathematics department.

Steven C. Frautschi, assistant professor of theoretical physics, from Cornell University, where he was assistant professor of physics.

Melvin Gerstein, senior lecturer in engineering (part-time), from Dynamic Science Corporation in South Pasadena, where he is vice president and technical director.

Gvirol Goldring, senior research fellow in physics, from the Weizmann Institute in Israel, where he is associate professor of physics.

Thomas Grettenberg, assistant professor of electrical engineering, from Stanford University, where he received his PhD this year.

George Griffiths, senior research fellow in physics, from the University of British Columbia, where he is associate professor of physics.

James Halpern, Bateman Research Fellow in mathematics, from the University of California, where he received his PhD this year.

Donald R. F. Harleman, visiting associate professor of hydraulics, from MIT, where he is associate professor of hydrodynamics.

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Engineering and Science

Faculty Changes . . . *continued*

John Holum, visiting associate in chemistry, from Augsburg College in Minneapolis, where he is associate professor of chemistry.

Keith Jensen, freshman coach of football, basketball, and baseball, from UCLA, where he received his BS in June.

Leon Knopoff, professor of geophysics, from UCLA, where he was professor of geophysics and physics.

George D. Langdon, assistant professor of history, from Yale University, where he received his PhD in 1961.

Peter Lissaman, MS '55, assistant professor of aeronautics, from the U. S. Naval Postgraduate School in Monterey, where he was assistant professor of aeronautics.

Raymond E. Miller, senior research fellow in electrical engineering, from the Research Center of the International Business Machines Corporation, where he is a staff member.

Bertram Morris, visiting professor of philosophy, from the University of Colorado, where he is professor and chairman of the department of philosophy.

Gerry Neugebauer, PhD '60, assistant professor of physics, from JPL, where he was a specialist scientist.

Roman Novins, lecturer in Russian, from Sequoia University in Los Angeles, where he taught in the Slavic studies department.

Fredric Raichlen, assistant professor of civil engineering, from MIT, where he received his ScD this year.

Donald W. Robinson, senior research fellow in mathematics, from Brigham Young University, where he is associate professor of mathematics.

Donald M. Rockwell, visiting associate in chemistry, from Juniata College in Huntington, Pa., where he is professor and head of the department of chemistry.

Stanley K. Runcorn, visiting associate in geophysics, from King's College, Durham University, in England, where he is professor and director of the department of physics.

Eleanor Searle, lecturer in history, who spent last year on a postdoctoral fellowship from the American Association of University Women to do research on the Battle Abbey at the Huntington Library.

Scott Searles, visiting associate in chemistry, from Kansas State University, where he is associate professor of chemistry.

Howard J. Sherman, assistant professor of eco-

nomics, from Wayne State University in Detroit, where he was assistant professor of economics.

Robert A. Sigafos, senior research fellow in economics, from the Stanford Research Institute, where he was head of urban studies and a member of the economics staff.

Merrill P. Spencer, MD, visiting associate in engineering, from the Bowman Gray School of Medicine of Wake Forest College in Winston-Salem, North Carolina, where he is associate professor of physiology and pharmacology.

Thomas E. Stelson, visiting associate in civil engineering, from the Carnegie Institute of Technology, where he is ALCOA professor and head of the department of civil engineering.

Hugh P. Taylor, BS '54, PhD '59, assistant professor of geology, from Pennsylvania State University, where he was assistant professor of geology.

Rochus Vogt, assistant professor of physics, from the Fermi Institute for Nuclear Studies at the University of Chicago, where he was a research associate in physics.

James D. Von Putten, assistant professor of physics, from the Cern Laboratory in Geneva, Switzerland, where he was NATO postdoctoral fellow.

Harold H. Warren, visiting associate in chemistry, from Williams College, where he is associate professor of chemistry.

E-an Zen, visiting associate professor of geology, from Washington, D.C., where he is a geologist with the U.S. Geological Survey.

John Zeigel, part-time instructor in English, from Claremont College, where he is studying for his PhD.

On Leave of Absence, 1962-63

Robert A. Huttenback, assistant professor of history and master of the Student Houses, to Pretoria, South Africa, where he is writing a history of the Indians in South and Central Africa, and completing a history of Kashmir.

Charles R. DePrima, professor of applied mechanics, to serve as a staff member at the Courant Institute of Mathematical Sciences at New York University.

Cushing Strout, professor of history, to Cornell University in Ithaca, N.Y., as Whiton Visiting Professor in American History.

Charles Barnes, professor of physics, to the Research Institute for Theoretical Physics in Copenhagen on a National Science Foundation Fellowship.