The Summer . . . continued

tions to research in organic chemistry—specifically his investigations on small ring carbon compounds.

Allan R. Sandage, staff member of the Mount Wilson and Palomar Observatories, is the first astronomer to receive the Pius XI Gold Medal for particular excellence in science, presented to him by Pope Paul VI at the Vatican Palace during a weeklong meeting of the Pontifical Academy of Sciences in Rome recently.

Thomas Hunt Morgan Centennial

Eight Caltech faculty members took part in a centennial symposium in memory of Thomas Hunt Morgan, first chairman of the Institute's division of biology, which was held last month in Lexington, Kentucky, where Morgan was born. James F. Bonner, Norman H. Horowitz, and Albert Tyler, professors of biology; Alfred H. Sturtevant, Thomas Hunt Morgan Professor of Biology, Emeritus; Henry

Borsook, professor of biochemistry; William B. Wood, assistant professor of biology; and Geoffrey Keighley, research associate in biology, participated in the program at the University of Kentucky.

First Leader

Paul Goodman, author, playwright, literary and social critic, pacifist, teacher, and unofficial philosopher of the Berkeley Free Speech Movement, was on the Caltech campus for three days of discussions and meetings this month, as the YMCA's first Leader of America for the 1966-67 program.

New Coach

Thomas Gutman, outstanding player for UCLA's 1959-61 football teams, is Caltech's new varsity football line coach and the Institute's first full-time wrestling coach. He has been on the coaching staff of Beverly Hills High School for the past three years.

Faculty Changes 1966-1967

PROMOTIONS

To Professor:

Allan J. Acosta — Mechanical Engineering Arden L. Albee — Geology
Arthur J. Boucot — Paleontology
Everett C. Dade — Mathematics
Roger F. Dashen — Theoretical Physics
Richard A. Dean — Mathematics
Robert S. Edgar — Biology
Derek H. Fender — Biology and Applied Science
Steven C. Frautschi — Theoretical Physics
F. Brock Fuller — Mathematics
Robert A. Huttenback — History
Jon Mathews — Theoretical Physics
Amnon Yariv — Electrical Engineering
Frederik Zachariasen — Theoretical Physics
Edward Zukoski — Jet Propulsion

To Associate Professor:

JOHN F. BENTON — History
FRED E. C. CULICK — Jet Propulsion
DONALD E. KNUTH — Mathematics
THAYER SCUDDER — Anthropology
DAVID R. SMITH — English
BRADFORD STURTEVANT — Aeronautics
GEORGE ZWEIG — Physics

To Senior Research Fellow:

WILLIAM R. GRAY — Biology
EMERSON HIBBARD — Biology
SUDARSHAN MALHOTRA — Biology
RICHARD B. READ — Radio Astronomy
R. H. STANFORD, JR. — Chemistry

To Assistant Professor:

BARRY C. BARISH — Physics
PAUL C. JENNINGS — Applied Mechanics
BYRD L. JONES — History
DANIEL G. KEEHN — Applied Science
ALAN T. MOFFET — Radio Astronomy
RUSSELL M. PITZER — Theoretical Chemistry
BOB G. SANDERS — Biology
BRUCE A. SHERWOOD — Physics

NEW FACULTY MEMBERS

Professors:

NOEL CORNGOLD — Applied Science — from Brookhaven National Laboratory, where he was a member of the senior scientific staff.

HARRY B. GRAY — Chemistry — from Columbia University, where he was professor of chemistry.

Associate Professors:

CHARLES B. ARCHAMBEAU — Geophysics — from United Electrodynamics in Virginia, where he was a research scientist.

PETER GOLDREICH — Planetary Science and Astronomy — from UCLA, where he was associate professor of astronomy and geophysics.

Senior Research Fellows:

s. K. BHATTACHERJEE — *Physics* — from Tata Institute of Fundamental Research in Bombay, India, where he was associate professor.

ISAIAH GALLILY — Environmental Health Engineering — from Tel Aviv, Israel.

GORDON P. GARMIRE - Physics - from MIT where he was assistant professor of physics.

ROBERT F. ROY — Geophysics — from Harvard University, where he was a research fellow.

ANTHONY R. THOMPSON — Radio Astronomy — from Stanford University's Radio Astronomy Institute, where he was a radio astronomer.

Assistant Professors:

ALAN J. ARDELL — Materials Science — from Cambridge University, where he was a National Science Foundation research fellow.

EUGENE H. GRECORY — *Physics* — from UCLA, where he was assistant professor of physics.

ANDREW P. INCERSOLL — Planetary Science — from Harvard University, where he was a research associate.

w. L. w. SARGENT — Astronomy — from the University of California at San Diego, where he was assistant professor of astronomy.

J. MICHAEL SMITH – Chemistry – from UCLA, where he was a graduate student.

Lecturers:

DAVID P. MOZINGO — Political Science — from The RAND Corporation, where he is a specialist on China.

Instructors:

ROBERT C. ANDERSON — *Economics* — from Claremont College, where he is a graduate student in economics.

MICHAEL R. DOHAN — Economics — from MIT, where he was an instructor in economics.

JAMES W. GREENLEE — French — from the University of Illinois, where he was instructor in French.

EUGENE SPIEGEL — Mathematics — formerly a research fellow at Caltech.

ON LEAVE OF ABSENCE

ROGER F. DASHEN, professor of theoretical physics, to do theoretical research on elementary particles at the Institute for Advanced Studies, Princeton, and in Europe.

STERLING EMERSON, professor of genetics, to the Institute of Genetics in Copenhagen, as visiting professor.

BARCLAY KAMB, professor of geology and geophysics, to MIT as Crosby Visiting Professor.

DANIEL J. KEVLES, assistant professor of history, to Washington, D.C., to do research for a book at the Library of Congress and the National Archives.

CALEB W. McCORMICK, JR., associate professor of civil engineering, to participate in industrial research.

JOHN B. OKE, professor of astronomy, staff member, Mount Wilson and Palomar Observatories, to do research at Mt. Stromlo Observatory in Canberra, Australia.

GERALD J. WASSERBURG, professor of geology and geophysics, to do research, on a National Science Foundation fellowship, in schools in Bern and Zurich, Switzerland.

RESIGNATIONS

PAUL J. BLATZ, associate professor of materials science, to North American Aviation Science Center at Thousand Oaks, Calif.

YUAN-CHENG FUNG, professor of aeronautics, to the University of California at San Diego.

ADRIANO M. GARSIA, professor of mathematics, to the University of California at San Diego.

WILLIAM P. SCHAEFER, assistant professor of chemistry, to the University of California at Davis.

RUSSELL A. WESTMANN, assistant professor of civil engineering, to UCLA.

RONALD H. WILLENS, associate professor of materials science, to the Bell Telephone Laboratories in Murray Hill, N.Y.

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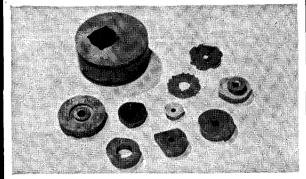
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