



ROCKET PIONEERS

Frank Malina recalls the early days of rocket research in the article starting on page 9. Now an artist living in Paris, Malina has not lost his interest in aeronautics. He is deputy director

of the International Academy of Astronautics and chairman of the Lunar International Laboratory Committee in Stockholm, an organization devoted to the study of technical problems related to the construction of a research laboratory on the moon.

SCIENCE AND THE RISING SUN

Roy Lockheimer has been a student of Japanese affairs since his undergraduate days at Tufts University. Doctoral research took him to Japan in 1962, during which time he served as an exchange research fellow at Keio University and as a columnist for the *Japan Times*. Since 1966 he has been a member of the American Universities Field Staff, an organization sponsored by 12 colleges (Caltech is a founding member) that has representatives throughout the world to study and report on current conditions. The article on pages 20-23 was adapted from a lecture given in Beckman Auditorium on January 29 and from a talk presented by the author at a Caltech conference last October. It will also appear in a forthcoming AUFS publication.



CHEMICAL GAMESMANSHIP

George Hammond, Arthur Amos Noyes Professor of Chemistry, is acting director of Caltech's division of chemistry and chemical engineering (page 24). His current research is reviewed on pages 14-15.



THREE DAYS IN THE "GHETTO"

Caltech senior Michael Meo is an astronomy major with a growing interest in earthly affairs. He is quick to volunteer his energies to a worthy cause, although his greatest asset

is his ability to effectively criticize the cause he supports—such as the ghetto program he describes on pages 16-17. Our intrepid reporter is shown at the far left absorbing information on the ghetto at a briefing session.

31st ANNUAL ALUMNI SEMINAR

May 4, 1968

An outstanding program of lectures to be given by:

Mrs. J. L. Agresti, Graduate Student in Biology

Dr. J. F. Benton, Associate Professor of History

Dr. M. Delbruck, Professor of Biology

Dr. P. W. Fay, Associate Professor of History

Dr. C. R. Gates, Manager of Voyager Mission Operations Systems Division

Dr. J. L. Greenstein, Professor of Astrophysics and Staff Member, Mount Wilson and Palomar Observatories, Owens Valley Radio Observatory; Executive Officer for Astronomy

Dr. P. C. Jennings, Assistant Professor of Applied Mechanics

Dr. D. J. Kevles, Assistant Professor of History

Dr. R. F. Scott, Professor of Civil Engineering

Dr. F. H. Shair, Assistant Professor of Chemical Engineering

Dr. H. D. Smith, Professor of English and Chairman of the Division of Humanities and Social Sciences

Dr. G. J. Wasserburg, Professor of Geology and Geophysics

special lecture for all attendees by

Dr. Paul D. Saltman, Provost
Revelle College, University of California,
San Diego

The day will end with a social hour and dinner at the Huntington-Sheraton Hotel

guest speaker

Mr. Thornton A. Wilson,
Executive Vice President
The Boeing Company

Complete program and registration form will be mailed in April