



*The will of  
Sennacherip, King of Assyria,  
705-681 B. C., read,  
"To my favorite son, Esarhadden,  
I bequest my bracelets, coronets  
and other precious objects of gold,  
ivory and jewels,  
deposited for safe keeping  
in the Temple of Nabo."*

You don't have to be a king to provide for Caltech in your will (or through a Life Income Trust or an Annuity).

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# E&S

IN THIS ISSUE



## PLANETARY EXPLORATION

When Bruce Murray came to Caltech in 1960, he was pure geologist. Within three years he had undergone what he calls his "retread" into a planetary scientist. In the wake of this mo-

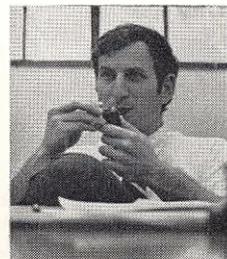
mentum he was influential in the Institute's establishing, in 1965, an option in planetary science for graduate students in geology. Dr. Murray continued to expand his activities in the field of planetary science, and today he is a much respected critic of the American space program. On pages 9-14 he says what he thinks about that program.

## BETA-RAY SPECTROMETER

One of the newest instruments for studying atomic nuclei is the beta-ray spectrometer, designed by Jesse Du-



mond, professor of physics, emeritus (right). On pages 15-18 is an article on the development and use of this unique instrument, now an important part of the research program headed by Felix Boehm, professor of physics (left).



## THE RADICAL RIGHT

Robert Rosenstone is a teacher of history by profession and enthusiasm and a journalist by training and inclination. While getting his BA (in literature) he worked on the UCLA student

paper and started a literary magazine "to publish my own short stories." After earning his PhD (in history) he worked for the *Los Angeles Herald Examiner* and the *Los Angeles Times*. Now an assistant professor of history at Caltech, he combines his enthusiasm and inclination to write an account of the Radical Right as he sees it today—on pages 24-28.

## A TRIBUTE BY STEWART SMITH

Stewart Smith was a graduate student when he came to Caltech to work with Hugo Benioff in 1957. When Dr. Smith was appointed to the faculty in 1961 the two geophysicists continued to work together, and even after Dr. Benioff retired in 1963 they had a joint assignment—helping to select sites for proposed nuclear reactors on the West Coast. On page 29 Dr. Smith pays tribute to his friend and colleague, who died on February 29.