

On the Cover

The summit of an extinct Hawaiian volcano is home to a collection of telescopes. Among them are the Caltech Submillimeter Observatory (CSO, foreground) and, peeking out from behind it, the W.M. Keck Observatory, a joint project of Caltech and the University of California. The 10-meter Keck instrument will be the most powerful optical telescope in the world when it is finished in 1991. The CSO has been operating for a year and a half, collecting short radio waves that can penetrate interstellar dust clouds but can't get through much of the earth's atmosphere. *The arduous life of astronomers on this remote 14,000-ft. mountaintop is described in an article beginning on page 10.*

In This Issue

The second week of April was a busy one at Caltech. On Monday the 11th, ground was broken for the new Beckman Institute, which will be devoted to interdisciplinary research primarily in chemistry and biology. On April 12 Thomas E. Everhart was inaugurated as Caltech's president with all the colorful pomp and circumstance that academia brings to such occasions. About 3,000 attended the event, and greetings were extended from various segments of the Caltech community, as well as from other academic institutions and learned societies. After Robert A. Millikan's hood was placed over Everhart's shoulders as a symbol of his formal investiture, the new president delivered his inaugural

address. Balloons and confetti completed the celebration, and a good time was had by all, most of whom stayed for lunch.

On Thursday, April 14, at Caltech's Industrial Relations Center, Ralph Landau delivered the 1988 Bray Lecture, whose purpose is to increase understanding of the American economic system. The Ulric B. and Evelyn L. Bray Lectureships were established by Mrs. Bray in honor of her late husband, a successful scientist and entrepreneur who was active in public affairs and maintained a strong connection to Caltech.

A New Look

In its 51-year history *E&S* has changed its face 18 times. The most durable cover design enjoyed a longevity of 14 years, from 1950 to 1964. The apparently least successful lasted for only two issues in 1969, and several designs survived only a year. So, after four years—well above the average—of the current cover (which coincidentally closely resembled the *Stanford Engineer*), we are continuing the tradition of change and coming out with *E&S*'s 19th new look—inside as well as out. Maureen Erbe was the designer. We hope our readers will find it pleasing.