

# ALUMNI SCHOLAR

**David Bailey '60**  
**is the third winner of an**  
**Alumni Association grant**



**D**AVID BAILEY, a freshman from Philadelphia, Pa., is the third Caltech student to receive an Alumni Scholarship—a four-year, full-tuition grant made by the Caltech Alumni Association, through contributions to the Alumni Fund. In 1954, the first scholarship went to Timothy Harrington '58, of Santa Rosa, California. Last year the Caltech Committee on Undergraduate Scholarships gave the second one to Kendall Dinwiddie '59, of Larkspur, Calif.

David Bailey, the Alumni Scholar in the class of 1960, is 17 years old. He seems to have been interested in physics most of his life, and even in grade school used to build crystal radio sets and amuse himself by performing home experiments in electronics and optics. It's his present intention to work for his PhD in either theoretical physics or mathematical physics. Then—and the day seems pretty far off now—he'll decide whether he wants to teach or to work in industry.

Oddly enough, David's father is also a physicist. (A Caltech alumnus, class of 1925, Emerson Bailey is now working for the Budd Co. in Philadelphia.) Even more oddly, David's twin brother, Thomas—now a freshman at Amherst College in Massachusetts—intends to study physics too. David has two older sisters, however—Elsa, 20 and Andrea, 24—who are *not* interested in physics.

David went to Central High School in Philadelphia, which is a pilot school for one of the Ford Foundation's educational experiments, whereby certain college-level courses are given to high school seniors. In David's case, at least, the experiment was successful; he was given credit for Math 1 when he entered Caltech and is taking Math 2 during his freshman year.

In his senior year in high school David also distinguished himself by winning a Philadelphia Science Council Award. The Council gives a battery of aptitude and science tests each year to students selected by science department heads in the Philadelphia high schools. David not only took first prize (\$350) but got a summer job out of the competition to boot—working in the Merck, Sharp and Dohme Research Laboratories.

He worked with an experimental psychologist at the laboratories who was investigating the effects of tranquilizing drugs. Animals were used in these experiments—not Bailey. He was usually so busy checking on the animals and repairing the experimental apparatus that he rarely had time to take any tranquilizers himself. As a matter of fact he has never tried them out yet—not even in the first furious weeks of his life at Caltech and the rigors of indoctrination, rotation and initiation. Gives you an idea of the kind of stable character Mr. Bailey is.