

Letters

Pasadena

SIRS:

In the October issue of *E&S* Brad Efron's article "The Three-One Plan" presents the Old Dorm as "the first pitfall to be avoided."

I wonder whose research made "dollar-a-day East L. A. rooms" seem so preferable? He tempts me to waste a bit of film on a few such flea bags, but little things bother me.

Verily, a NEW DORM is needed to replace the present firetrap, but I trust the alums are discerning enough to note that Brad's graphic illustration of the comfortable life does *not* show his off-campus retreat, but pictures one corner of the Old Dorm's Room 28, for which each of its two oppressed occupants pays 63 cents per day.

Ruth Toy, Mechanical Engineering
Secretary, Caltech

DEAR MRS. TOY:

I'm afraid I've been guilty of initiating the type of controversy which

could never be settled satisfactorily by either of us. I, by choice, will never stay in a dollar-a-day East L. A. room, while you, by whim of nature, will never live in the Old Dorm. Nevertheless, I did feel somewhat qualified to expend my literary licentiousness on the Old Dorm, having

1 - Listened to Dr. Sorensen's speech during last September's Development Program ceremony.

2 - Done a bit of original research on the subject myself. (Did you know that the Old Dorm is an "airy, modern, California-styled bungalow?" - 1919 *Little T.*)

3 - Lived there for one summer.

Let me admit that my months at the Old Dorm were among the happiest of my life. I was working, but not overworking, well-fed, but not overeating, and in love, but not on the verge of marriage. Nevertheless, the splintery walls and archaic plumbing of my surroundings were a definite drag on my euphoria.

I will emphasize again that Mrs.

Lyall and her crew do a remarkable job with what they have. They just don't have much. Assuredly, I will drink a toast with you (having passed legal age) when Mrs. Lyall snaps the ribbon on the NEW Dorm. Until then, you will please direct any complaints you have concerning photography to Ed Hutchings, 2 Throop. Thank you for your interest.

Brad Efron '60

Cincinnati, Ohio

SIRS:

I may have missed an issue of *Engineering and Science* but to date I have seen no mention of Mark Mills' untimely death at Eniwetok on April 7, 1958. (*E&S*, Apr. '58, p. 34 - Ed.)

I am sure that Mark, who got his BS in 1940 and his PhD in 1948 at Caltech, had a multitude of friends among the alumni and faculty. He brought great credit to his school, and his passing should be properly acknowledged in the magazine.

Mark, as assistant director of the
continued on page 46

SMOOT-HOLMAN
LIGHTING FIXTURES

Superior
Lighting Performance!
Scientific
Lighting Design!

Made possible by the new Smoot-Holman Analogue Computer! Smoot-Holman is now using an advance design analogue computer to produce lighting fixtures giving far superior performance. The computer, first of its type ever built for commercial use, solves many problems in the field of lighting. Another example of Smoot-Holman's research to bring "Tomorrow's Lighting Today."

SMOOT-HOLMAN COMPANY Inglewood, California

Wanted

ELECTRONICS ENGINEER OR FIRM WITH PRODUCT IDEAS

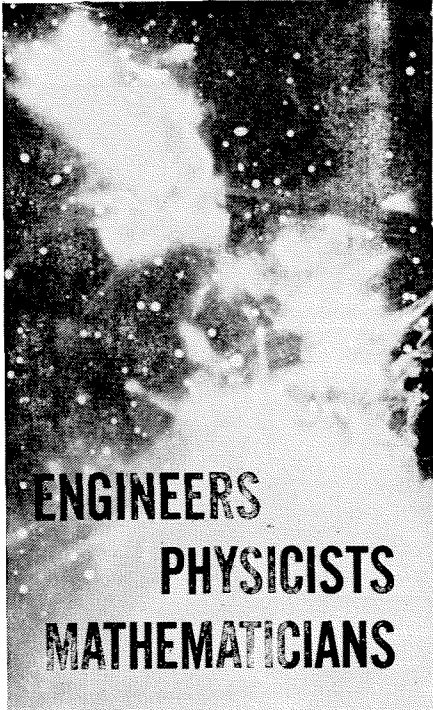
If you are a young electronics engineer or the owner of a small electronics firm with good ideas for profitable proprietary products we are interested in you.

We are interested in financing a small subsidiary company which will complement our engineering development firm in the San Francisco area and at the same time provide higher caliber engineering support.

An opportunity will be provided to acquire or maintain ownership in the new company in exchange for your ideas, work and/or ownership in your firm.

Send all details to Box K

ENGINEERING AND SCIENCE MAGAZINE
CALIFORNIA INSTITUTE OF TECHNOLOGY
1201 East California Street
Pasadena, California



**ENGINEERS
PHYSICISTS
MATHEMATICIANS**

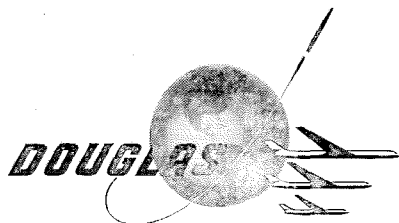
Investigate the outstanding promotion opportunities at Douglas.

It stands to reason that the biggest field for advancement lies where the biggest programs involving advanced technology are under way.

At Douglas, massive missile, space and transport projects in both military and commercial areas have created a continuous demand for engineers and scientists with backgrounds *outside* as well as in the avionics, aircraft and missile fields.

As these projects grow in scope, the multiplying supervisory and executive openings are filled by Douglas engineers from within the company. This promotion policy has made Douglas a prime organization for the engineer who wishes to advance in his profession.

For further information, write to Mr. C. C. LaVene, Douglas Aircraft Company, Inc., Santa Monica, California, Section B.



the most respected name in aircraft, missile and space technology

Letters . . . continued

Livermore Radiation Laboratories, was to have headed up the full series of nuclear tests which were started last spring at Eniwetok. He was killed while making a night reconnaissance flight over the test site. In a sudden rain squall, his helicopter crashed in shallow water and death may have been due to the impact or subsequent drowning.

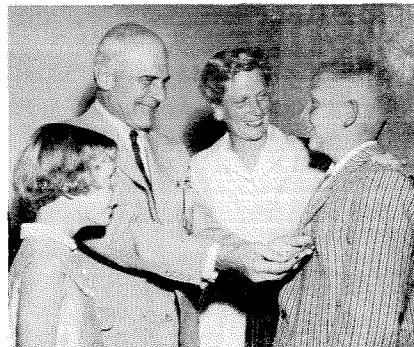
I had thought that since the accident was well covered by all the wire services a story would have been readily available to the editorial staff of the magazine. If the information was not available I am most regretful for not having written to you sooner.

In addition to the recounting of the details of the accident the newspapers subsequently carried accounts of the two posthumous awards which were extended to Mark's family in recognition of contributions to science and to the National Defense Effort. The first was the Freedom Award presented in June by Mr. Lewis Strauss, then Chairman of the Atomic Energy Commission, for "exceptionally meritorious service in contributing to the security of the United States of America and to the welfare of the human race."

The second award was the Air Force Service Award, presented by Lt. General James Doolittle in July, "in recognition of distinguished patriotic service."

The establishment of the annual graduate student award in memory of Mark was announced by the American Nuclear Society in June. It is to be given to outstanding graduate students working in the nuclear sciences.

*Charles F. Carstarphen, '39, MS '40
Plant Superintendent, Procter and
Gamble Company*



Mark Mills, Jr., 12, wears the Air Force Service Award given posthumously to his father by Lt. Gen. James Doolittle (USAF-Ret.). Mark's mother and sister, Ann, look on.



**Thousands of
ITT engineers are
"space men"**

NOT *literally*, of course, but they are engaged in so many electronic activities associated with the vast air world above us that they might well be broadly identified as "space men."

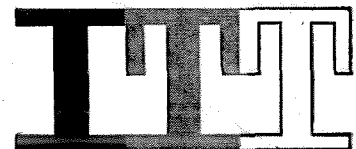
Many have achieved a high record of success in research, design, production, testing, and field engineering of air navigation and traffic control systems . . . including ILS, Tacan, Vortac, Data Link, VOR, DME, Navascreen, Navarho, and automatic "typewriters" serving the Narcast system for in-flight weather reporting.

Other ITT "space men" are making important contributions to air reconnaissance, inertial navigation, infrared, missile guidance and control, electronic countermeasures, radio communications, radar, scatter communications, and other categories vital to national defense.

These are only a few of the many activities at ITT laboratory and production centers - coast to coast - where challenging problems are constantly opening the way to top careers.

Consult your College Placement Officer for interview date, or write to ITT Technical Placement Office, 67 Broad Street, New York 4, New York.

**INTERNATIONAL
TELEPHONE AND TELEGRAPH
CORPORATION**



67 Broad Street • New York

Engineering and Science