

THE MONTH . . . CONTINUED

The DuPont postgraduate teaching fellowships, which amount to a maximum of \$3500 for married fellows, are to be awarded to outstanding graduate students who have had two years' experience as half-time teaching assistants.

"Teaching is a field which merits industrial support," said Crawford H. Greenewalt, president of DuPont, in announcing the new program. "The maintenance and encouragement of high-quality teaching is vital to the future supply and quality of scientists and consequently research."

Cancer Research

THE INSTITUTE last month received a \$10,000 grant for cancer research from the Damon Runyon Memorial Fund. This was a renewal of a grant made last year.

Part of the grant, presented to Dr. George W. Beadle,

Chairman of the Division of Biology, will be used for studies of growth-regulating mechanisms and part for studies of some naturally occurring carcinogenic substances.

The studies of growth-regulation will be conducted on the bread mold *Neurospora* by Dr. Sterling Emerson, Professor of Genetics. These have been undertaken, Dr. Beadle says, because changes from normal to tumorous growth appear to result from alterations of body processes which regulate growth. The funds allocated to the Division of Biology will also help support the continued research of Dr. J. W. Dubnoff on enzymes and transmethylation processes.

In the Division of Chemistry and Chemical Engineering, Dr. L. Zechmeister, Professor of Organic Chemistry, and Dr. B. K. Koe have isolated some carcinogenic substances from barnacles. These substances are not inherent in the barnacles, according to the investigators, but enter them with small floating particles from the ocean. They may originate from either natural tars or artificial tar products.

SOME NOTES ON STUDENT LIFE

Out of Season

IN SPITE OF THE fact that it is now mid-season in basketball, football has held the interest of the conversationalists in the houses lately. The NCAA ruling, which effectively eliminates the two-platoon system that has been in effect since 1941, has been the subject of much debate. Though some have adopted the attitude of "I don't believe it," the general consensus seems to be "It can't be done." But Caltech men, invariably optimistic, are going to try; and the valiant attempt of footballers to change their styles is capturing the hearts of all Techmen.

The defensive specialist is gone forever, it seems, and defensive ends are forcing themselves to learn to catch passes. By the same token the offensive specialist is gone, too, and Tech quarterbacks are learning how to stop plays as well as start them. With football season over, it would seem a little strange, under normal circumstances, to see the gridiron giants practicing; so in order to allay any suspicion of 'snaking' football they have turned to more subtle ways of practicing.

Who would suspect that under the guise of a water fight with a rival house the grid star is practicing his football lessons? Who would believe that he is throwing that water-filled balloon for practice in passing alone? Who would be able to tell that his dashing through a hail of oranges is merely to develop a sure-footed running attack? Who would think that the fevered battles for the Ricketts brakedrum are merely

trial runs for a new and smashing gridiron defense? A great football team is obviously in the making!

Each Caltech man can thank his lucky stars that the Institute is placed in such a favored spot as southern California, where water is cheap and the oranges grow on trees (as, in fact, they do in most parts of the globe) so that such heated off-season football practice can exist.

Preliminary Event

AS A PRELIMINARY to the main event, the Freshmen elected a new set of officers last month. After much parliamentary haggling, amendments to the amendments, the reversal of precedence, and the bringing up of questions which even Robert's Rules of Order did not touch upon, a slate of candidates was picked.

Hurried conferences of political bigwigs pondered election strategy, and, in spite of their inexperience with this type of campaign (most of the candidates and their backers had come from schools where the fickle women's vote was all important) the political czars seemed pleased with the slate of candidates. Petty differences discounted, everybody seemed pleased with the new Freshmen officers, too.

It was truly heart-rending to hear many of the candidates decline nomination for offices, professing rare tropical maladies and mental inability. It was quite evident, however, that these maladies and inabilities would undoubtedly disappear come time for ASCIT elections the middle of this month. —Bill Barlow, '56