Financing An Education

Grants, Tuition Plans Examined

Four different methods of paying next year's $725 tuition bill are available to Caltech undergraduates. The first of those - paying cash - needs little explanation. In order to provide a loan program for the other three - scholarships, deferred tuition and loans - involve, the grants are much stricter with the men in charge of each of the programs.

Deferred Tuition

The basic plan A provides for the current repayment of tuition and the payment of living expenses for 11 years. The funds is a number of your interest and $120 worth of insurance.

If you can be modified to suit students who do not wish to defer full tuition, or who have less than four years, a loan program through the California Bank which will be before the agreement and collect the payments.

The basic plan A provides for the repayment of full tuition and the payment of living expenses for 11 years. The funds is a number of your interest and $120 worth of insurance.

Under plan B, the student pays 10 percent of the term and pays only interest on the other $300. The monthly payments begins with the first quarter to $658 during the last quarter of the year. After graduation the regular $50 monthly payments are begun and continues for eight years.

This plan also includes the same kinds of living expenses. Individual programs, such as a school graduate, can be worked out with the business office.

Applications are available in the student accounts office.

Scholarships

The institute provides essentially two different kinds of scholarships. The four-year scholarships are given for funds from outside sources. According to Dean Jones, many of these will be increased next year; none will be cut unless unusual circumstances are involved. In any case, any four-year holder who wishes to have more funds must increase his grade point average to a minimum of 2.0. Individual programs, such as a school graduate, can be worked out with the business office.

Applications are available in the student accounts office.

Graduating senior Bob Lange demonstrates the talents that will make him remembered and admired by undergraduates for years.

Robert V. Lange, of Phoenix, Ariz. is a Caltech senior majoring in physics, was chosen yesterday over 31 finalists at the Southern California Tonga Open to compete in the U.S. championship held every year in Bangor, Maine. The three distin-

Lange competed in the U.S. Championship held every year in Bangor, Maine. The three distinguished judges were unanimous in their choice of Lange. Many

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Falling Rock Takes Physics Grad's Life

Daniel Guitier, Caltech physics graduate student, lost his life last weekend while on a mountain climbing expedition up 7000-foot Mt. Whitney.

Guitier was struck by a falling rock disabled by another climber's rope.

A special memorial service for him will be held this evening at 5 in Kennedy Lounge.

Guitier was a French exchange student. He received his Bachelor degree from the University of Paris, where his father is a professor of physics.

Grants, Tuition Plans Examined - California Tech

Vol. LX PASADENA, CALIFORNIA, THURSDAY, JUNE 4, 1959

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Three hundred and fifty-four degrees were conferred. 145 MS degrees will also be awarded; 81 of the PhD degrees are in science, the rest in engineering.

In addition, 12 cadets from the Caltech ROTC will receive commissions in the U.S. Air Force.

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Silly Guitier began his career in medicine at Capleton University - Los Angeles. In addition to being a professor, Deputy Chairman of the Advisory Council on Scientific Research, the National Research Foundation, and the Natural History Committee, and is on the Black's Committee and the White's Committee.

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The Conquering Hero

Science? If So, What Kind

BY VINCE TAYLOR
Class of 1958

This article is apt to encourage more people to stick to science. However, this isn't really the point of the article. Concluded by the illustrious editor of this paper, I agreed to write something to fill space in the last issue. There seems no better way to pay him back than to write an ad for something besides science. Being familiar with the rather contrary nature of the Caltech reaction, I'm sure that all will be convinced that science offers the only opportunity to fulfill the inner striving of intellectual spirit.

The science student continues to miss the chance of a lifetime. The social sciences are still in the stone ages. The people in the field are immersed in mysticism and history. The general level of intelligence of the people in these fields is about one-half of the level here. This seems to me to present a fairly obvious opportunity for people with a scientific background, bring yourself fame, fortune and money (maybe) — become a social scientist.

I speak from personal experience. Those who are familiar with my academic record at this school know that I was not exactly the top student in my opinion. I went to graduate school in economics (M.I.T.). I have now acquired a reputation as a brilliant mathematician. Don't laugh, please. Become an economist. To be slightly more serious, if you find that science isn't all that you thought it would be, look around a little bit. The opportunity is there. Social sciences need people with brains and ideas. Nineteenth of social scientists are dumb. The other tenth worry about trivial matters. Chances are that you will worry about trivial matters, too. It would be nice to see some of you try. It continually amazes me that bright people seem to think that the developed sciences offer the only opportunity for intellectual achievement. The social sciences offer both an opportunity to play games with your mind and to make the world a better place to live in. The last may seem trite, but I worry slightly about living to enjoy the "advances" of science. Maybe a few more of the bright boys in the country should worry about how to make the best of what we have. Instead of developing more ways to destroy us. In the past 20 years there have been tremendous advances in science. There can be the same kind of advances in the social sciences. If some of the methods of science are applied to the problems in these fields. A little math and a little thinking are all that are needed in these fields.

The California Tech

Letters To The Editor

Two For One

The 'Rag' Editor, The California Tech:

Speaking of campus publications, and of saving the students unnecessary spending, don't you think it would be far more equitable if the costs of the California Tech were paid for by Ricketts House dues? It seems that our "school" newspaper is zealously determined to keep us informed on what is happening in this house; perhaps it is a novel experience during a social event, or visitor (Who may or may not have showed up), or being stranded for a day on Catalina or a nationally known entertainer visits the campus, or the winning of a basketball trophy (while two other houses merely won a year interhouse sports story). We pointed out for five straight weeks that Dabney had won the Interhouse trophy and for two or three that Fleming was the Discobolus winner. The fact that Ricketts had won Interhouse basketball was last week's biggest sports news. Everything was at least three weeks old. As far as social events are concerned, whenever 36 Techmen are stranded for a day on Catalina or a nationally known entertainer visits the campus, it's NEWS, no matter what house is involved, and we intend to print it. If the other houses have made any news we didn't print, we never heard about it.

If we really wanted to make the Tech a Ricketts rag, it would be a lot easier to put out a paper, but that never has been, nor ever will be, our policy. However, being lazy, we'd like to see more men on the staff and, being conscientious, we'd like them to be from other houses.

The Rub Editor, The California Tech:

Whether a Caltech education is a $1275 bargain and whether a prospective student can afford it are two separate questions.

The prejudice must face the fact that continued tuition hikes will unavoidably result in the loss of many fine students. These students are needed in these fields. People trained at this school can supply both. Moreover, they may find something which they enjoy. It's worth thinking about.

The Ash Grove Presents

Ash Grove Concert Cabaret
Two For One

Two For One Adm, $1.00

The California Tech

Thursday, June 4, 1959

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KING OF BEERS • AMSTELHEID • BUDWEISER, INC. • ST. LOUIS • NASHVILLE • LOS ANGELES • MIAMI • TAMPA

SATURDAY. When you make your plans for the weekend, remember: where there's life, there's Budweiser.
Jazz Beat
by Lloyd Kamins

SPECIAL GUEST COLUMNIST
BILL BENISEK

Dizzy Gillespie Duets — with Sonny Rollins and Sonny Stitt. Very Meriden, featuring Dizzy Gillespie, trumpet; Sonny Stitt and Sonny Rollins, tenor; Ray Bryant, piano; Thad Jones, trombone; bass; Charlie Persip, drums.

The set is led off with tune etonically named “Wheelchell Hall,” an up-tempo blues stuck onto an offbeat intro. Rollins takes the first solo and prominently shows off a pair of his rarely mentioned attributes, fluty and speed. He does not forsake his characteristic wealth of ideas and puts all his energy and inspiration into the background. Traditionally, Rollins has been noted for his rather lumbering qualities, but at least on this set he must try to retain his great variety of musical ideas and still hold the tempo. As on other of his solo Rollins indulges in his typical trait of producing rather unusual sound effects. This horn, which consist in part of expanding, deepening or pinching off a hold tone, to put it in an admittedly over-objective manner. This is not done in bad taste, the most part, and is instead a welcome contrast to many other tenor men in jazz who are content to stick to a fairly unchanging flat tone.

The second piece on the set is the Latin number, “Sump-hin,” a blues again, slow this time, traditional in its mood and on the whole a very enjoyable side to listen in on. Ray Bryant, bass, and Sonny Stitt add color and make up a nice duet.

All in all this is a superior set. Both Sonny Stitt when several are added and Sonny Rollins make up a set that is much too much for theMeriden.

THE SUGARARA SLING
2 ozs. Dry Gin
1 oz. Cherry Brandy
% lemon—juice of 1
oz. Chilled Sodas

The drink should be mixed in a tall, slender 14-oz., glass, most suitable for both gents and ladies. It is a drink which he has yet to vary, and on the whole a very enjoyable side to listen in on. Ray Bryant, bass, and Sonny Stitt add color and make up a nice duet.

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SPECIAL YEAR-END PRESENTATION OF CAMPUS

Brewins

The campus is a lively place during the year-end festivities, filled with a variety of events and activities. Here are some highlights:

**Culture and theCrass**

Suey Hardon Dong and date, in the mood for culture, betook themselves to the Bordered Balder. They were standing out in the lobby during intermission, dipping toe, when what should come creeping towards them but Hacker gruff Shob Martian, attired in usual slime-dripping costume. Martian, ageing the happy pair, waved and started to approach. Dong blanched, held his handkerchief to date's mouth while she ratched at the pitty creature, and suavely intoned: "Keep moving, fellow — we don't know you.

**Fools Fractured**

The Ballet also served as a source of inspiration to ethetically inclined Darbs Bob Mang and Joe Jerkoff. Pirouetting around the lounge to the applause of the assembled thousands, they deftly executed the Flying-ankle-sprint and the Full-twisting-high-erv-unilateral-wrist-fracture. Encores were the Full-minute-bitch-and-moon and the spasitic-hobble-hop-switch.

Telephnger

Blackguard boy Woody Bear received a phone call the other day. "Hello, this is Dr. Girl-mann. Could you tell me when the faculty tea starts?"

Suspecting a hoax himself, Bear was somewhat taken aback when appearing at the appointed hour, wiser one could only reply, "Okay, you got me.

**Devil's Advocate**

Overboard at the Phlegm Lewdow, the speaker . . . Glug McDrain: "Don't just stand there, Swine-hegon, attack her!"

**Fowl Deed**

Other amusements for the evening involved the saturation of the local pet pigeon on Baccardi Gold Label. Having received the red-eyed beasty, Knave Crazass's date cowed, "He just gave me the bird!"

**Cool Corkold**

Boak hears that this year's post-play castblast turned out to be somewhat of a farce — however, one poor troil, to wit, Hloob forsy Lziezly Dailmore was observed successfully bird-dogging a well-known hero of Dabeley Hall, J. K. Superman, with the active cooperation of Mrs. S. Beak. "Oh, Mr. Superman, is that you?" hissed Beak. "Hello, there!"

**Trespassers Twisted**

Snevve Twitch, Whorsmell and Booshy felt in the mood for a few frames of tenpins, so off they went to Twitch's car. Twitch crawled in, pressed around to see if the others were there, and espied a female face in the back seat, soon followed by the blinking eyes of P. Hairman. "Hey, there, Phil, said Twitch to the prone figure, "mind if I use my ear?"

**Welcome to the Campus Barber Shop**

Near the Coffee Shop

ALL HAIRCUTS $1.50

Two Barbers to Serve You

**Drugs Sundries Cosmetics Tobacco**

**California Rexall PHARMACY**

555 S. Lake SY 2-3156

Breakfast Lunch Dinner

**Thinklish**

**English:** LOWEST MAN IN THE COMMENCEMENT CLASS

Thinklish translation: The only courses this bird absorbed were the ones served in dining hall. The only examinations he ever took were the Full-minute-bitch-and-moon and the spasitic-hobble-hop-switch.

Take a word — magazine, for example. With it, you can make a burglar's weekly (tabloid), a liars' club bulletin (tabloid), and a pin-up periodical (tabloid). That's Thinklish — and it's that easy! We're paying $25 for take-Thinklish words judged best — your check is itching to go! Send your words to Lucky Strike, Box 67A, Mt. Vernon, N.Y. Enclose name, address, college and class.

**HOW TO MAKE $25**

Get the genuine article

Get the honest taste

of a LUCKY STRIKE

Product of The American Tobacco Company — Tobacco is our middle name