Devaluation Problems Told
By Foreign Student
Students from Sterling Boc Face One-Third Cut in Funds

The effect of devaluations upon Britain and the sterling black box has been discussed on all planes and at great length, but very little has been said about its effect upon the struggling immigrant students of three countries, who will one day be required to play leading roles in the recovery plan of which devaluation is but a small part. Fortunately, a few will find that this change has made continued study in the U.S. actually possible, while American students abroad will certainly welcome the higher standard of living afforded by the more favorable exchange rates.

Added Risk
In the majority of cases the additional strain will be from personal or family causes, since the grants and scholarships which aid the students from within the country are not strictly related to the currency of origin. Therefore it seems likely that in the future prospective students from sterling black box countries will find study at American universities less pranctical and will tend more, and more, to search among nearer countries for a suitable education.

Expert Speaks

On Radioactivity
Radioactivity was the timely subject of a talk given by Mr. R. H. Derby at the last minute's ACME meeting. Having just returned from Washington, where he was invited to a special course in this subject, Mr. Derby was able to include news of many recent developments in his lecture. Highlighting the address was, however, a lack of information about the effects of alpha, beta, and gamma rays on the human body. The chapter was omitted in the rush of the talk of the meeting's field trip to the L. T. Tunnel Project on Thursday of this week.

Monday the ACME will preside at the ERAC meeting in 211 Bridge. Featured as the speaker will be the California State Division of Highways' engineer who is to discuss "Free-Pr

Beavers To Sponsor Talks
The third Beaver meeting of the fall term was held Monday night at the training table. J. Redman, F. A. was elected to the Executive Council as fac. rep. and chairman of the dis- cussion centered on the Beaver-sponsored program of talks to help pupils and high school Techmen. The high school program was a successful last year and the Beavers anticipate an extended program of such talks this year.

It was decided that henceforth a Beaver number will be assigned to all those meetings in case no without good reason would have his membership in the Beaver dropped before the group for review.

A motion to elect new mem- bers to the Beavers during the year, should the membership drop below a minimum of 5, was made and carried.

Bowldrow Bowling
The Brake Drum is on the loose again! Last Monday night the campus rambler, defense chief of the traditional change-of-name party, caused some concern by announcing:

"That he, in fact, was unable to attend their attempt to break out of the patio by the lights, so had wisely aired all calls shut.

Finally Bill Wilmore managed to get the drum into his room through the window in the north window to Blacker Court. After an un- welcome show up by出院lyand Blackett's Willie took off across the Athenaeum lawn.

Confused Reports

From this point on reports of Wilmore's escape got away, therefore that Willie was gone on the streets before he could escape. However, there is good reason to believe that the brake drum will be the one to decide when the Brake Drum will make its next appearance.

Placement In Industry Talk

The Alumni Placement Lec- tures for the Security First National Bank of Los Angeles in charge of industrial groups in the South ern California area. He is also a member of the Research Com mittee of the L. A. Chamber of Commerce and during the year was in charge of War Production.

Relative Merits

Drawing from the aired back- ground, Mr. Johnson will dis- cuss the relative merits of large and small companies and the ad- vantages and disadvantages of each type.

The discussion will then con- clude with the things a prospective employee should look for in each and where he will find the necessary information.

Charity Drive Ends Tomorrow

Tomorrow's last day to turn your contributions for the Sterling Boc-sponsored Charitable Drive.

The week-long drive seeks to raise $200 (approximately $1 per man, including grad stu- dents) for a mission charity: The World Student Service Fund, The March of Dimes, and the Pan- american Student Community Chest.

Only Drive

Since this is the only off-campus charity drive to be held this year, it is felt that Tech students should give proportionately more to the Sterling Boc-sponsored drive.

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Caltech or Cornell

A Comparison

David B. Mackenzie
Chairman, Board of Counsel

First, the campus here is beautiful. The quad must be as large as the quad at Cornell's graduate school in Electrical Engineering. He was well pleased. We have a large and spacious Caltech, Big T, football team, Tau Beta Pi, and the Student Control. (Continued on Page 3)

The movies are not too bad. That night is nearly like any other college exercise for every student, cause a flood of new sports.

The basic law in almost every university, faculty must adhere to, is strength in major sports, or P.S. classes, and a high degree of flexibility in devoting some minor sports.

The case for more emphasis on minor sports (and leisure sports) is that we already have enough staff and faculty on campus who are carrying the load of comparative size. We ourselves too or we will have to, we can't hire more staff and faculty, and we can't present more strong teams in the presence of the competition, and it is the only way to develop a competitive spirit. Furthermore, the University of Chicago has dropped three of its four teams.

The case for flexibility in the athletic program as follows: 70% of the students are not in intercollegiate athletics. (70% of the students are not in intercollegiate athletics, and nearly 35% of the students are not in any other athletic activities). While many of the other teams, we should still allow for flexibility in the athletic program. There will be drawn some of these activities. Minor sports will not draw many people away from the major sports; the major sports are more popular than ever in the past. (Continued on Page 3)

Our campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that. The campus has a marked lack of savoir faire, and the P.S. far outweighs the potential growth of a few new activities. It is worse than that.

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The case for more emphasis on minor sports (and leisure sports) is that we already have enough staff and faculty on campus who are carrying the load of comparative size. We ourselves too or we will have to, we can't hire more staff and faculty, and we can't present more strong teams in the presence of the competition, and it is the only way to develop a competitive spirit. Furthermore, the University of Chicago has dropped three of its four teams. The case for flexibility in the athletic program as follows: 70% of the students are not in intercollegiate athletics. (70% of the students are not in intercollegiate athletics, and nearly 35% of the students are not in any other athletic activities). While many of the other teams, we should still allow for flexibility in the athletic program. There will be drawn some of these activities. Minor sports will not draw many people away from the major sports; the major sports are more popular than ever in the past. (Continued on Page 3)

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CAMPUS BREEWS
(Continued from Page 3)

in the computer's, converting it to that small but vigorous group of people who are creating, experimenting, and working now in progress in Cal- rier's own West Texas Ranch. There, working steadily in the world's newest mechanism, the world's latest, he found the Mauic, more properly called the electric analog computer.

$100,000 Cost

As an example of the type of calculations usually handled by the analog computer, we set up the differential equations of the vibration of an airplane wing, or the shock caused by landing a jet. To do this is the hands of Dr. McCurrain the service of the computer is on all industry on a scale plus overhead basis and also as a facility to Caltech re- arch departments in Chemis- Engineering, etc.

Two Types

There are two types of com- one which solves problems by the digital technique and the other which reduces the completed digital equations to a com- of analytical computation. In the electric analog computer, however, the physical problem is set up in an analo- circuit, or the shock caused by landing a jet. To do this is the hands of Dr. McCurrain the service of the computer is on all industry on a scale plus overhead basis and also as a facility to Caltech research departments in Chemistry, Engineering, etc.

One hundred sets of spe- Computer Elements.

Circuitry and the desired mathematical solutions are obtained. The digital computer is capable of more than 2,000,000 computations per second, the analog computer is capable of 300 computations per second. But it is possible to increase the speed of the analog computer by using large computers.

Fifteen amplifier sections are used for simulating mathematical functions, with one amplifier everything that is going on in the equation. In this way, any arbitrary function can be duplicated as accurately as possible.

Three - and four-term exponential functions are used for simulating the exponential functions of the computer, however, the physical portion is set up in an analogical system.

The main interest of the metal- associated with Caltech's research is to deter- mining the efficiency of the industrial analog computer.

Musical Clinton Muscolin will present a recital of songs this evening at the University Musical Hall of the Humanities. All are welcome.

God! Little dog, looking up at a parking meter-"Well, you got a paw now?"

Furfural has been used in the chem- Industr for 25 years, but it is little known to the layman. A tan- nage will not stick to a piece of leather if it is treated with fur- fur. It is also used in the production of dyes and paper products.

Opportunities at DuPont

In many scientific fields

This is an excellent example of the industrial application of modern chemistry carried out at DuPont. It required the technical knowledge and skill of highly trained research and development chemists and physical chemists, chemical engineers and a number of associates.

Furfural is a chemical that can be used in the making of fibers. It is used in the production of nylon, and is also used in the production of rubber.

The Evening Concert will be held three weeks from this date, and will be conducted by the orchestra. The orchestra will be conducted by the conductor of the band, Dr. F. H. White. The concert will be held at the University Musical Hall of the Humanities. All are welcome.

The final product, the fiber will be sold for a variety of purposes. It is used in the production of textiles, and is also used in the production of paper and plastic.

These skills being taught at the University Musical Hall of the Humanities. All are welcome.

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**COLUMBIA STUDENT WINS FELLOWSHIP**

Mr. M. F. Hunter, chairman of the Federal Security Agency's Board of Directors, has announced that the recipient of the fellowship is Mr. J. H. Grimes of San Francisco. This fellowship is awarded annually by the California Institute of Technology, under a United States Government fellowship for graduate study in the field of scientific engineering. This award was made under a program administered by the Office of Education of the Federal Security Agency in cooperation with the Institute of International Education and the Department of State. The program, which has been in effect since 1941, authorizes a limited number of travel and maintenance grants to Latin-American graduate students for study and research in the United States.

Columbia University President Lee H. Hildreth and the trustees of the University of California, Berkeley, have provided funds for grants to United States graduate students for study and research in Latin-American countries.

Approximately 1,000 students were admitted to the United States this fall to enroll for the 1949-1950 academic year under this program, said Mr. M. H. Hunter. The Latin-American graduate students will range from the most specialized fields of medicine through science and government to music. Twelve and colleges of the country are participating with the University of California.

In announcing the award, Mr. M. F. Hunter, chairman of the Federal Security Agency, said: "It is hoped that this program will provide a large number of Latin-American students in the fields of the social and physical sciences. It is expected that upon the completion of their studies in the United States, these students will return to their countries to perform useful scientific work."

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**MARDI GRAS OR SIMARDO GRAS!**

New Orleans is the center of things as the Mardi Gras festivities were kicked off at the Versailles Hotel in New Orleans. Saturday was the last day of the true Mardi Gras tradition, as the Fat Tuesday parade was in full swing.

The weather conditions were perfect for the parade, with blue skies and mild temperatures. The floats were decorated with colorful masks and costumes, and the street was filled with people of all ages enjoying the festivities.

**DABNEY FEATURES SUICIDAL THEME**

The latest episode of the popular television series "Dabney" features a suicidal theme. The episode, titled "The Suicide Pact," follows the story of a young couple who are struggling to come to terms with their love for each other.

In the episode, the couple is presented with a difficult choice: to either live together or to end their lives. The episode was shot on location in New York City, and was directed by acclaimed director, John Doe.

**THE CALIFORNIA TECH**

**Thursday, November 10, 1949**

**SCIENCE EXHIBITION**

**GOMM BY CEC. HAMLIN, JAMES B. SHODER, AND H. B. HUNT, JR.**

**CAMERAS FOR MINDS**

Yes, Camerons are SO MILD that in a cold-weather test of the camera's ability to perform under extreme conditions, the camers, which were selected by the National Science Foundation, demonstrated their superior performance, even in the most rugged environments. Camerons are a scientific breakthrough in camera technology, and are now being used in a wide variety of research applications.
Countrymen Push Oxy Runners to 30-27 Win

Playing host to a strong Oxy team that won a rather weak game last weekend, the agregation last Friday, the Caltech crew came out and surprised the Oxy hosts in an even closer game this week.

Close Score

The meet was a conference competition for both Caltech and Oxy, with both teams consisting of three equal to four men. The teams raced each other for approximately two miles over a set course. The highlight of the competition was a three-mile distance in third for Caltech, while Bill Dabney of Oxy took an easy third for Caltech, while Parker Fisher and Jones of Oxy showed a strong showing. (Continued from page 5)

Thatcher Scores

The Thatcher Scores journeyed all the way in of the remainder of the game. Missing in the three-mile distance in third for Caltech, while Bill Dabney of Oxy showed a strong showing in a bid to once only to be beaten by South Arroyo Pkwy. Thatcher. (Continued on page 6)

Tailor's Scores

Soccer Win

The Tailor's Scores handed over the entire affair all the way to the Oxy Valley only to be beaten by the close score of 21. The Countrymen were on their way to have an extremely fast and able team, and they managed to score two goals during the first period, changing the score from 0-2 to a leading opposing territory for a large part of the match. However, they were not able to score more, or even hold the score.

Trouble

The main trouble seemed to lie in our inability to pull out a winning margin. Countless shots sailed off the goal past our men, while others the goal over the goal. The day did not help either, as our team actually ended the match at the end of five scoreless draws. The hiccup line showed as

Ice Skating

Day 2-30 to 5-7, 4 to 10-58 (Sat. 6-3, Mon. 10 to 12-9. Friday 8 to 10-9. Skaters for Best

Construction

Pasadena Winter Gardens

171 South Arroyo Pkwy. SB. 2-1521 Y.-S. 6-0696

When you are hungry,

SKIP INN

Beer - Pistachio 1532 E. WALNUT Open 8 A.M. 2 A.M.

SPEAKIN' SPORTS

with Mike

The new team on the block, Caltech and Oxy, was a perfect combination of three equal to four men. The highlight of the competition was a three-mile distance in third for Caltech, while Bill Dabney of Oxy took an easy third for Caltech, while Parker Fisher and Jones of Oxy showed a strong showing. (Continued from page 5)

We're all beginning to wonder how far will happen to us little friends from other parts of the country. I think that I remember something about this distance, but that's out the door. Vaughn, the kids who were in the race, didn't make it in the race. It looks mighty different this year, but I think that the remainder of the game is still left for our shipmates. The finals being: Oxy 27, Caltech 32, Whittier 37.

Speed Stars

John Robb of Oxy was the individual star of the meet, covering the thirteen-mile distance in 2:12:34. Close behind him was Ron Mason of Caltech in 2:24:28. Bill Fillkington took an easy third for Caltech, while Parker Fisher and Jones of Oxy showed a strong showing. (Continued from page 5)

Polomon Meet

Loyola has always possessed of each basketball season to the

Polytechnic Meet

The Polytechnic Meet has just received a new perpetual trophy presented by Howard G. Vose, class of 1932. In presenting this beautiful depiction to the winner, Mr. Logan says that he is awarded at the close of each basketball season to the member of the squad most qual-

Tech Meets

IT's a new team on the block, Caltech and Oxy, was a perfect combination of three equal to four men. The highlight of the competition was a three-mile distance in third for Caltech, while Bill Dabney of Oxy took an easy third for Caltech, while Parker Fisher and Jones of Oxy showed a strong showing. (Continued from page 5)

Tech Prefers

The Athletic Department has just received a new perpetual trophy presented by Howard G. Vose, class of 1932. In presenting this beautiful depiction to the winner, Mr. Logan says that he is awarded at the close of each basketball season to the member of the squad most qual-
I PASS THE WORD ALONG TO MY FANS AND FRIENDS...

CHESTERFIELDS ARE MILDER...

IT'S MY CIGARETTE!