

# The California Tech

California Institute of Technology

Volume LX.

Pasadena, California, Thursday, February 5, 1959

Number 16

# Work Begins On ExComm Study

## Eight Student Theologians To Visit Tech

Eight top-flight theology students from Protestant and Jewish seminaries will stay on campus for four days, beginning February 16. They will stay in the Student Houses and engage in both formal and informal discussions with students.

Featured during the visit, on Tuesday and Wednesday, February 17 and 18, will be dinners at some faculty homes. These will give the theologians time to visit students in small, intimate groups.

According to the Y, the object of the visit is to give the theology students some insight into science and scientists and to inspire Caltech understanding of religious issues.

The visitors will include Jim Carbaugh, Presbyterian, of the San Francisco Theological Seminary at San Anselmo; Harvey Fields, Jewish, Hebrew Union College-Jewish Institute of Religion, Los Angeles; Allen Green, Congregationalist, Pacific School of Religion, Berkeley; Mike Meyer, Jewish, Hebrew Union College-Jewish Institute of Religion, Los Angeles; Noel Phelan, Methodist, Southern California School of Theology, Claremont; Jack Stanley, Disciple, Pacific School of Religion, Berkeley; Jack Stegman, Lutheran, Lutheran Theological Seminary, Berkeley, and Wayne Strom, Baptist, Berkeley Baptist Divinity School.

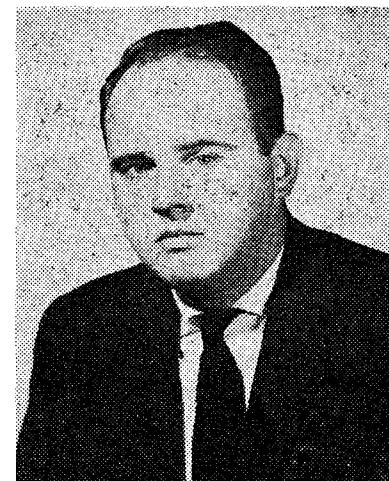
## Totem Staff Plans Ahead

The Totem staff will meet tonight in the Y lounge at 7:30 to discuss future publication plans, including discussion of the next issue, to come out by the end of second term.

Invited to tonight's meeting are all people interested in submitting either written, drawn or photographed material, in working on the publication staff, or those just curious about the magazine.

Plans for publication by the end of March were made definite with the addition of several new staff members within the last few days. Bob Wax and Jim Somberg have assumed positions on the editorial board, and special representatives to each student house have been named.

The deadline for submitting material for the next **Totem** is next week end, but anything for third term's issue may be submitted after that. Material may be submitted to any of the five house representatives: Wax in Fleming, Roger Noll in Ricketts, Mike Peters in Dabney, Tom Morton in Blacker and Gene Robkin in Throop, or they can be mailed to **Totem**, Caltech.



Charles F. Gallagher

## Arab Expert Slates Stay

Making this year's third AUFS visit next week will be by Charles F. Gallagher, expert on Arab North Africa. This will be Gallagher's second stateside stay for AUFS, following 18 months abroad.

He arrives here Monday and begins his visit by speaking to the YMCA undergraduate lunch club at noon. On Tuesday, he will meet with the History 5 and 124 classes, and on Wednesday he will speak twice at the Atheneum, at the Y luncheon forum at noon and at a faculty dinner that night at six.

### Japan Study

Gallagher studied Japanese language during World War II at the University of Colorado, and following the war he became Cultural Property Adviser to the Supreme Commander for the Allied Powers in the occupation of Japan.

In 1951 his interests changed from the Far to the Near East, and following graduation summa cum laude from Harvard he continued his studies in France. He took his doctorate in 1956, following visits to North Africa in 1953 and 1954. He wrote a history of Morocco in 1954 and has had his work published in the *Middle East Forum*, *Virginia Quarterly Review*, and *Oriental Art*.

Following his first AUFS visit in 1957, Gallagher has spent his time in Africa, based in Morocco and making trips to Tunisia and Algeria. He also spent two months observing the Middle East in Lebanon, Syria, Jordan and Egypt.

## Tech to Provide Observers Again

Caltech students have a chance again this year to ride as observers for the annual Mobilgas Economy Run. Applications close Monday, February 16, and should be turned in at the Industrial Associates Office, 113 Throop. Students under 21 need parents' written releases.

Observers will probably be paid \$1.50 per hour for break-in runs as well as a reimbursement for meals purchased.

## Russians Visit Tech Campus

Five leading Russian engineering educators arrive on campus tomorrow morning and will stay about a day and a half on a State Department-sponsored visit. They are the Soviet counterparts of an American group, including Dr. Frederick C. Lindvall, head of Caltech's Engineering Division, which returned from the USSR recently.

The five visitors, professors at various Soviet technical institutes, are studying engineering and science education at various high-ranked U.S. schools. They will talk to Caltech teachers and may have some contact with the student body. Besides Caltech, they will visit M.I.T., the University of California, Stanford, UCLA, and the University of Illinois.

Lindvall, whose committee returned recently from a six-week visit, described Russian education in science and engineering as very effective and efficient.

Doug Carmichael has been appointed by the Executive Committee to head the publication of its report on student life. Preliminary organization of the report has been completed and the actual work of writing it will begin tonight.

In explaining the purpose of the report, Carmichael said that it would simply be a description of student activities and institutions and the prevalent reactions and attitudes involved.

### Report Objective

The report will be entirely objective in its nature, Carmichael explained. It will not contain any recommendations for changes, but will serve as a reference for the faculty and others interested in student life.

Original plans for some sort of report on student life began a year ago with the creation of ExComm. Since then several faculty members have endorsed the idea. Recent editorials in the California Tech pointed to the problems and possibilities involved.

Dr. James B. Conant, here earlier this term as part of the Y Leaders of America program, also added some suggestions to ExComm's plans.

The report will be written in a series of meetings by a committee of "editors," each of whom will be responsible for one meeting. The meetings, which essentially will be tape-recorded discussions, will center around three main topics: student institutions, student reactions and a summary. Students with interests in specific areas will sit in with the committee on some of the meetings.

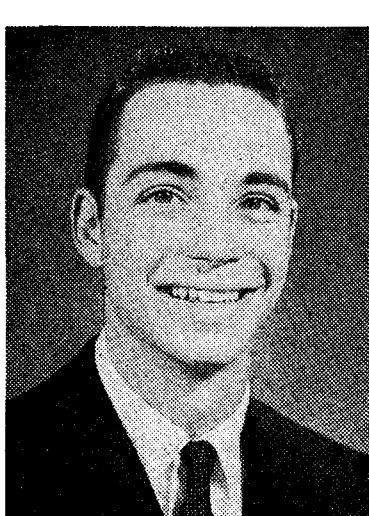
Information and statistics for the report will be obtained from a student poll planned for third term. The committee also encourages written critiques on personal experiences by individual students.

## Tech Renews TV Contract

TV station KRCA has renewed its contract with Caltech to broadcast Tech's weekly television series, "The Next Hundred Years." The first program scheduled on the new series will feature Dr. Henry Hellmers, Senior Research Fellow in Biology, who will present "Why Plants Grow Where They Do."

The program, until recently scheduled for Saturday nights, will be switched to 3:30 on Sunday afternoons on Channel 4. The new series will run until May 3.

Future programs will include lectures from several Tech professors and visits to Institute labs.



Jim Geddis

### Election Calendar

Thurs., Feb. 5 — Information panel for prospective candidates, 11 a.m., Culbertson.

Tues., Feb. 10 — Nomination meeting, 7:30 p.m., 206 Dabney.

## Announcements

### Y PLAY READING

The YMCA will sponsor a reading of T. S. Eliot's "Murder in the Cathedral" at the home of Dr. Beach Langston Sunday night, February 15. Tryouts will be held tonight in Throop Club, starting at 8:30. There are twelve parts in the cast.

### DRAMA CLUB TRYOUTS

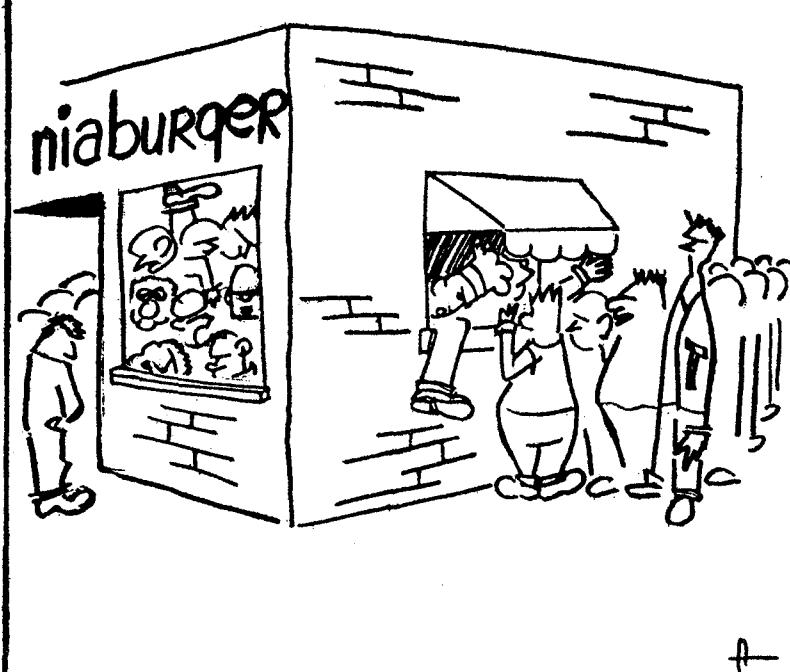
The Caltech Drama Club will hold tryouts for a reading of "Taming of the Shrew" this Sunday at 2 p.m. in Dabney Lounge. The official presentation is scheduled for Tuesday, February 17, before a faculty group.

### ASCIT FORMAL BIDS

Bids for the ASCIT formal, scheduled for February 20 at the Beverly Hilton Hotel, will be available from house and Throop Club social chairmen after tomorrow.

### BRACELET FOUND

Keith Brown reports finding a charm bracelet at the after-Oxy-game dance. If somebody doesn't claim it pretty soon, he's going to give it to his girl.

**The Fifth Column**

## Black Friday At Raarup's

By Brad Efron

We've got green beans au Parisian,  
Within reason,  
Who could ask for anything more?  
We've got french-fries, dipped in whale fat,  
What could top that?  
Who could ask for anything more?  
Old man Protein, he's no danger,  
He's a stranger to our noon reward. Hey!  
We've got cabbage as a side dish,  
Oh, how I wish  
It sided a little bit more;  
Who could ask for anything more?

**Scene:** Raarup's, 12:15 p.m., Black Friday

Panicked Student: (leaning over counter and shaking proprietor by collar.) Let me tell you man, they were black, black as night, black as the bottom of hell...

Prop: Get a grip on yourself, boy.

Student: But they were black, I tell you. Have you ever seen a black french-fry? I know you've read about them, man, but have you ever seen one? Those little black devils just sitting there, laughing at you in their own grease...

Prop: You're foaming on the counter, boy.

Student: And that yellow crust on the green beans! You don't believe me, do you? Well I'm not that far gone, mister. Ask my buddies, they'll tell you—yellow crust! I'll never forget it, I see it everywhere—there's some on you! Let me get it offfffffFFFFF!

Prop: Try not to loosen my cast, boy.

Student: (in a low, tense voice.) I'm going to tell you something, mister. I've got to tell someone. I was a coward, a dirty, sniveling coward. I should have been the one at my table to try it out. Everyone else had wives, sweethearts back home, I had nothing to lose. But no, I let Jancowitz, my UCC, do it. I'd always hated him—he called me not well-rounded once, so I let him do it!...

Prop: It's not you're fault, boy.

Student: (fiercely) Don't try and cover up for me! I've covered up long enough! Jancowitz did it—he put one of them in his mouth!! (Student begins to pound head on counter. He crushes Californiaburger on forehead.)

Prop: Let me tell you something, boy. Jancowitz was like a son to me, but his first term here he was as yellow as they come. He was even scared of Sunshine Sauce on Orange Puff Cake. But he had the makings of a real man in him, and he licked it all by himself. I'll never forget that day he came running in here shouting, "Pops," (he always called me Pops) "I had seconds today, seconds on White Mange!" Mom and I broke out the Canada Dry for that one.

Student: (Ceasing whimpers) Jancowitz, a coward?

Prop: Yes, but he licked it, and so can you!

Student: (sitting ramrod straight now) I'll do it for him. Pops, bring me an order of french fries, and don't spare the grease.

Prop (tear on cheek) Boy, you're as well-rounded as they come!

## Fineman's Shilling Scandal Sheet Seeks Scoop On Scottish Student Sociology

**Joe Fineman**, '58, is holding down the job of chief of the California Tech European Bureau while he attends St. Andrews University in Scotland on a Fulbright Fellowship. His correspondence continues this week with the third installment of his latest entertaining letter.

LONDON  
29 DECEMBER  
1958

(Continued from last week)

I have emphasized the purely social aspects of the parties but should put out again that these were far from all: they were not all eggheads for Grieve, nor pinheads for Boothby. The Rector, it is admitted by the faculty and administration, has a high nuisance value, and the real issue of the campaign was which candidate could and would best use that nuisance value in support of the students' aims.

These included such popular causes as reinstating Saint Andrew's Day as a University holiday (it is now observed as a

day of mourning for the "murdered" holiday) and moving the graduation ceremony back to Younger Hall so there will be enough room for the graduates to bring family and friends. All these violations of sacred tradition are attributed to Principal Knox, and the worst thing you could say about any Rectorial candidate was that he was friendly with the Principal.

Remembering Caltech students, who mostly think as little about DuBridge as they do about God, I asked a couple of students why they did not try to trade their finger in the pie for something of more immediate value—e.g., more self-government in the residences. This aroused no interest whatever. Their values are different; the residences are not important; their finger in the pie they prize.

Before finishing with this somewhat muddled and ignorant attempt to compare St. Andrews and Caltech with respect to their

bases of formation of cliques, I should make one more point: that, as far as I can see by conversations on these subjects, no St. Andrews student would think of describing his community in this way. The group-dynamic way of talking, which comes so naturally to even so introspective a Caltech man as I, is quite foreign to St. Andreans.

And yet, curiously, some Britons regard the U.S., and with disapproval at that, as the last haven of rugged individualism, and Britain as more collective-

(Continued on page 3)

### The California Tech

EDITOR: Mike Milder  
EDITORIAL BOARD

News ..... Cleve Moler  
Sports ..... John Todoroff, Carl Gottschall  
Feature ..... Marty Carnoy  
Copy ..... Gerhard Klose  
STAFF: Pete Bickel, Carl Gottschall, Bob Koh, Roger Noll, Arney Perey, Stan Sajdera, Lance Taylor, John Golden

BUSINESS MANAGER: Howard Weisberg  
Circulation: Sid Leibovich, Neil Sheeley

Entered as second class matter November 22, 1947, at the Post Office in Pasadena, California, under the act of March 3, 1879.



## Well-seasoned, ready to serve America's second largest telephone system!

Dishing up telephones in the right place at the right time is the sort of catering service Gen Tel specializes in.

As servants to over 3½ million telephone subscribers, we strive to make communications so dependable that no one need ever give his phone a second thought.

And, in the growing communities we serve, our job is to enable more people to communicate with one another.

Indeed, Gen Tel is determined to give its growing "family" nothing but the best. That's why we never cease in our efforts to develop new products and services that will make the telephone still more convenient, economical and useful.

Knowing how vital the telephone is in modern American life, Gen Tel "invests ahead" in new plant and equipment to make sure that our telephone system will be equal to whatever task it is called upon to perform.

GENERAL  
TELEPHONE



## LETTERS TO THE EDITOR

### • Mechanics

Editor, The California Tech:

The recent controversy over Totem has brought several long-range problems into focus, which should be discussed. How can a literary magazine be put on a more permanent basis so that it does not flare into activity only to die with a new student generation? (Consider the fate of Pendulum, of Farrago.)

What is the best means of tapping available talent for writing? What is the best compromise between "literary quality" and student enjoyment for a magazine financed jointly by ASCIT and the Humanities Department? Or should two magazines be put out, one by ASCIT for the student body, and one by the Humanities Department financed partly by sales, to sink or swim with a smaller, but non-captive audience?

These are not easy questions to answer. We are trying out some major changes, such as having editors serve from third term to third term as with other activities, to introduce more continuity. For the second and third issues to come this year, we are making a special effort to involve more people both in writing and in production.

Anyone with ideas and contributions or criticisms, friendly or otherwise, might find it worthwhile to drop in on the Totem staff meeting Thursday evening at the Y.

Tom Morton  
Ken Scholtz  
Gene Robkin

### • Heat

Editor, The California Tech:

I think it is a little funny that Joel Amiin, of all people, should be embraced and congratulated by the California Tech for attacking Totem. Because what offends the California Tech — in its own words, Totem's "disregard for the literary tastes of Caltech students" — is not at all what ought to offend a critic like Amiin.

Running with the herd is just about the last thing a courageous fellow like that wants to be caught doing.

So here is my prediction. The next issue of Totem will carry a slashing attack on the California Tech. I'm not sure of the details. But the nub of it will be that your paper panders to the mob. And it will be written by Noel Jellin.

Peter W. Fay

### • Sound

Editor, The California Tech:

In regard to Joel Amiin's discovery that "an issue of Totem totally not to his liking . . . cost him \$175," what is the budget of the California Tech?

Stingy Steve Luner

An edition of the California Tech costs the student body an average \$65.—Ed.

# Fineman's Shilling Scandals

(Continued from page 2)

minded. Certainly we conventionally describe a socialist system as collectivist. But this just goes to show that there is a subtler distinction to be made than can be expressed in terms of "individualism" and "collectivism."

All this talk about groups and cliques that was such fun at Caltech, for instance — is this really a sign of conformity, or quite the contrary, a sign of being worried at the possibility of a conformity the British take for granted? If Fleming House cliques overlap and change more than St. Andrews ones (a point I suspect though I am far from

sure of it yet), is this not perhaps partly because every Fleming man is (compared with St. Andrews students) an amateur sociologist? This is probably worth little as a generalization on Britain and America, but it is an interesting general thought.

One difference in St. Andrews' life that definitely is a result of its being British is due to the exam system. The terminal exams are not in any sense "finals;" they do not affect one's permanent record except insofar as they have a small effect on what grade of degree he gets; the main thing is to pass, so as to be allowed to sit the degree

exams. This has two important consequences.

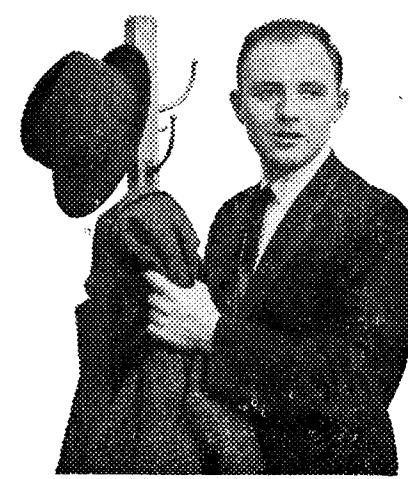
First, the end of the term is a good deal more relaxed than at Tech: e.g., decorations for the big, Interhouse-like Sallies Ball went on during exam week. In fact, nobody seems to worry much about exam week except the Warden, and he principally as an added excuse for keeping the peace.

Second, the third-term man is not the happy-go-lucky goofoff he is at Caltech; on the contrary, he is the biggest swot (snake) of all, since he has to review three or four years of work for an exam week on which his entire degree depends. Hav-

ing to sweat through Caltech finals weeks is simply the price of that fine "eleven down, one to go" feeling that is joy of seniors and the bane of house governments.

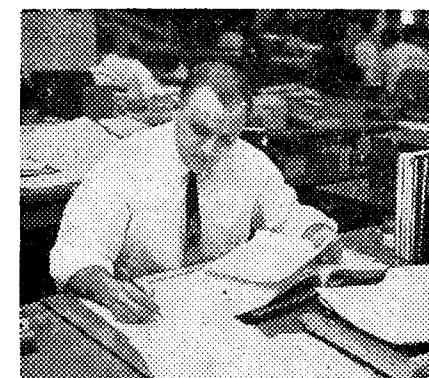
I took the Special Moral Philosophy terminal exam (much like a Caltech humanities final and tried the Honours Natural Philosophy just for fun, but soon gave up after discovering that Caltech is not very good training for closed book physics exams. Still some of my friends seem to have gotten almost as wiped out as I would have if I'd sat it through.

(To be continued)



KEITH LYNN, B.S.E.E., PURDUE, '52, INVITES YOU TO

## "Spend a day with me at work"



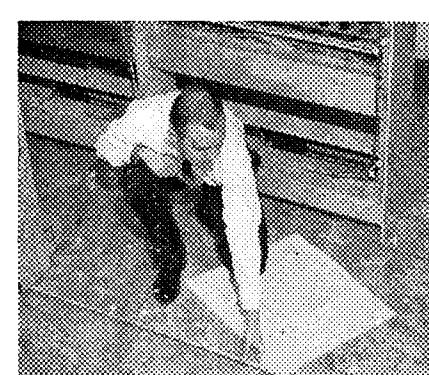
"8:30 a.m. We start at my desk. I'm studying recommendations for installing additional dial telephone facilities at the central office in suburban Glenview. This is the beginning of an interesting new engineering assignment."



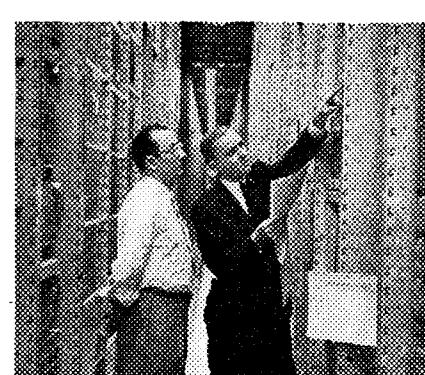
"10:20 a.m. I discuss a proposed layout for the additional central office equipment with Supervising Engineer Sam P. Abate. I'll want to inspect the installation area this afternoon, so I telephone the garage and order a car."



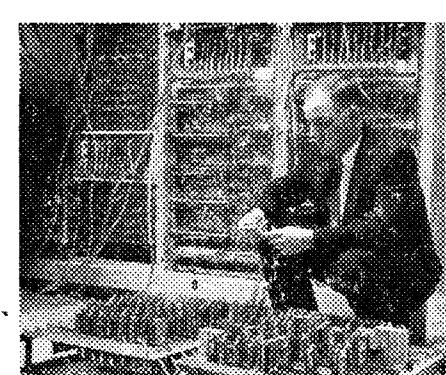
"11:00 a.m. At an interdepartmental conference I help plan procedures for another job that I've been assigned. Working closely with other departments of the company broadens your experience and know-how tremendously."



"2:00 p.m. After lunch I drive out to the Glenview office. Here, in the frame room, I'm checking floor space required by the proposed equipment. Believe me, the way our business is growing, every square foot counts."



"3:10 p.m. Then I drive over to the office at nearby Skokie where a recent engineering assignment of mine is in its final stages. Here I'm suggesting a modification to the Western Electric installation foreman on the job."



"3:30 p.m. Before starting back to Chicago, I examine a piece of Out Sender equipment being removed from the Skokie central office. This unit might fit in just fine at one of our other offices. I'll look into it tomorrow."

"Well, that was today. Tomorrow will be different. As you can see, I take a job from the beginning and follow it through. Often I have a lot of jobs in various stages at the same time. I think most engineers would agree, that keeps work interesting."

Keith Lynn is one of many young engineers who are finding rewarding careers in the Bell Telephone Companies. Find out about opportunities for you. Talk with the Bell interviewer when he visits your campus. And read the Bell Telephone booklet on file in your Placement Office.

**BELL  
TELEPHONE  
COMPANIES**



**CROWN**

129 N. Raymond SY 6-3131

"PERFECT FURLough"

Tony Curtiss

2nd Feature

"FAST GUNS"

# Jazz Beat

by Lloyd Kamins



**Sonny Stitt** — a review of a performance of Sonny Stitt at the Hillcrest.

The Hillcrest is a typical swinging jazz club. It's located at La Brea and Washington, between a Barber Shop and a Laundromat. But man, the sounds, the sounds!

Sonny Stitt, an old veteran of the early Bop days, is currently holding forth on tenor and alto. He's with a quartet, featuring Elmo Hope on piano. I've heard much of Stitt on records and admired his work, but I never expected anything like what that boy was blowing. Stitt has always been one of the foremost artists on his horn, but was eclipsed by Bird somewhere back. Stitt and Bird evolved simultaneously, and there is some discussion as to how much dependence or independence there was, but at any rate, Stitt is a strong and individual voice.

#### Tenor "Battle"

At the beginning of the set, there was a guest tenor on the stand besides Stitt. Stitt was quite civil in his introduction, but it was clear that his mood changed in succeeding moments. The guest would have been at home in a highly pagan rhythm and blues band. He was funky, and he had a big sound, but he was unimaginative and very slow. After a chorus or two of groans from our guest, Stitt came on and absolutely murdered him.

His sound was liquid but viscous. He had complete control over the lines and inflections. Above all, though, he blew some nice things. The guest stuck it out, though, and never moved from the stand. Stitt, in a furious mood, called a frenzied "Fine and Dandy" taken at a ridiculous tempo. Then he sat back to watch the show. When Stitt came on, it was like a panther overtaking an elephant. The tempo never even fazed him.

Stitt's sound is pure and pleasant, while still big. His tech-

## THE BARFLY

By McClure

SOMETIMES a cocktail turns out poorly more through mixing and serving faults than any shortcomings in the magic of the formula in use. There exist a few rules of thumb to help one in such a case: shake most cocktails, using fruit juices; stir most others. Serve cocktails cold; if possible use stemmed glasses to keep them that way. Some cocktails can be made up in advance, but be careful if they include fruit juice. The flavor of such drinks can change in the refrigerator.

The only unfortunate thing about the following cocktail is the eight weeks which have passed between the drinking and writing. In order to compound the error no further than necessary, I would like to present the Between the Sheets cocktail:

1 part brandy  
1 part ointreau  
1 part light rum

Shake well with ice and strain into glass.

# CAMPUS BREWINS

#### Slam

Bridge expert Needle Hoodsky kibitzes cardsharp Dung Smith in Crickets lounge, is joined by head of Student House Department of Barf and Bellyrot, Charge Maney. Needle murmurs, "You should have played that one, Dung." "Devour Bandini," mutters Smooth. "Nice language in front of a lady," admonishes Hoodsky primly. "Phumper you" snarls Smooth, whirling around with blood in his eye. Eye falls on Maney, Smooth buries self under jack of hearts.

#### Missem Mumbles

Nauseous Mutant and date Rotten Feet are assembled in womb of laxly lingual Knave Missem. All are well oiled with ambrosia. Feet is slumped in corner plonking randomly at banjo to disgust of connoisseur Missem, who tells her to cease or

"I'll put a hole in your dia-phragm." Later, in more philosophical mood, Missem confides: "Rotten, what you really need is a good screwing . . . er, ah, spanking, uh . . . you know what I mean." This seems to be a sort of syndrome for poor old Knave, who is reported to have used same homey philosophy on unsuspecting San Marino girl at recent exchange.

#### False Alarm

Beak hears about anonymous (for good reason) Drubnoid, in playful mood, who dials random Scurv phone numbers, picks on Clod Alley, abode of notorious N. Hoodsky. "Hey, meester, feelthy brake drum tip," stage whispers Warb. "Your toy's in Room 32 Drubney." Thundering mob of frosh cascade into womb of one Lewd Broth, frantically

search for goody, managing to totally devastate place in process. Meanwhile, aforementioned tout, wishing to climax affair, informs Mutant and his mob of scurvy sophs about search. Hoodsky & Co. suddenly find unexpected reception as they leave; last sounds heard after sudden rout are moans and whimperings of nursed wounds, as all meander off into night.

#### Throop Poop

Eager Socialite Strike Bane sits in Throop Clob Lounge awaiting arrival of trolls with luscious damsels in tow. Trolls arrive, but no squench is to be seen. "Icky poo," 'lows horny Bane, "poffle grbz, herb phumper zerk towis blech!!" Tirade is interrupted by discreet cough issuing from beet-faced maidens who had arrived in time to enlarge vocabulary of useful idiom.

**GET SATISFYING FLAVOR...**

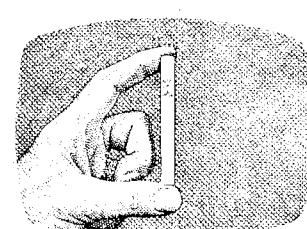
**So friendly to your taste!**

**No flat "filtered-out" flavor!  
No dry "smoked-out" taste!**

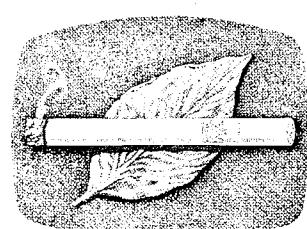


**See how**  
Pall Mall's  
famous length  
of fine tobacco  
travels and  
gentles the smoke  
—makes it mild—  
but does not  
filter out that  
satisfying flavor!

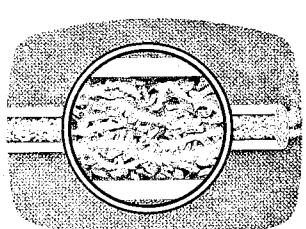
**HERE'S WHY SMOKE "TRAVELED" THROUGH FINE TOBACCO TASTES BEST**



1 You get Pall Mall's famous length of the finest tobaccos money can buy.



2 Pall Mall's famous length travels and gentles the smoke naturally.



3 Travels it over, under, around and through Pall Mall's fine tobaccos!

**Outstanding...and they are Mild!**

*Product of The American Tobacco Company — "Tobacco is our middle name."*

# Famed Prof Wins Continued Success

by Michael Bogost

There is a small office on the third floor of Dabney which is filled with books and magazines in six languages. They spill off the crowded shelves onto the desk, on which are French and Spanish newspapers, a German treatise, a photograph of a woman. On the wall are a degree from the University of Vienna, the certificate of the Academic Palms, the diploma of a Knight of the Legion of Honor. The door bears a small card: Alfred Stern.

Any visitor to this office can easily see that its occupant has led an exciting and rewarding life. Born in Austria just before the turn of the century, Stern served briefly as a lieutenant in the Austrian army. However, as he matured, he identified himself more and more with French culture. After receiving his Ph.D. with honors from the University of Vienna, he taught at the Sorbonne for six years, until 1939. At the outbreak of the Second World War he volunteered his services to the French infantry—he was almost forty years of age.

#### Escapes to Mexico

Eventually the Nazis overran France, and just before the capitulation he escaped from Europe to Mexico City. There, in 1942, he got in touch with an acquaintance, Jacques Soustelle, present Vice-Premier of France. Working closely with Soustelle, he became active in the resistance through the Comite National Francais, headed by General de Gaulle. As press officer for this committee, Stern published in the next three years a book and hundreds of articles in support of the cause of Free France. He also taught at the National University of Mexico and the French College of Mexico City.

At the end of 1944 he went to New York City. There he taught at the French University of New York. He also wrote weekly articles for the Coordinator of Inter-American Affairs, and it was through this work that he met his wife, Gloria Maria Pagan y Ferrer. The subject of the photograph on the desk, she is a poetess and painter from San Juan, Puerto Rico.

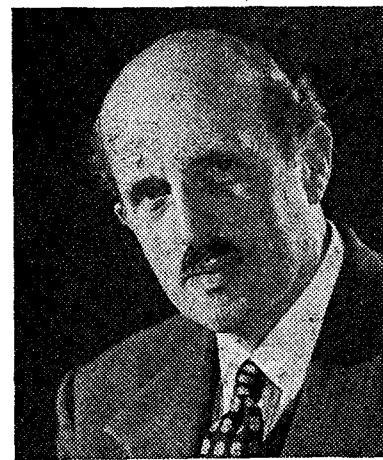
The charter which de Gaulle had granted the French University of New York was discontinued after the war. The intense concentration of European intellectuals on the East Coast in those years created an exasperating competition for positions. To avoid this, Stern decided to "go west." In 1947 he became a member of the Caltech faculty, and is now Associate Professor of Philosophy and Languages.

#### Honored for Contributions

In March, 1950, he was awarded the Academic Palms and the title "Officer of the Academy" by the French government. In November, 1954, he received the insignia of a Knight of the Legion of Honor for outstanding scholarly contributions to French culture and the valuable services he rendered the cause of France during World War II.

Stern speaks French, German, English, and Spanish—all fluently. He has had books and articles published in these languages and also in Italian and Japanese. He has a working knowledge of Greek and Latin. Stern feels that this familiarity with many tongues has helped to liberate him from what he calls "intellectual provincialism."

His first major work, *Die philosophischen Grundlagen von Wahrheit, Wirklichkeit, Wert*



Dr. Alfred Stern

(The Philosophical Foundations of Truth, Reality, and Value) was published in Munich-Basel in 1932. This book constitutes what Stern considers to be his epistemological and axiological system. In his value theory he attempted to codify the two existing axiological schools, absolutism and relativism, and to demonstrate that the first leads to totalitarianism and the second to anarchy. He then proposed

a solution to this critical problem by introducing a nomothetic axiological relativism, which "tries all are following unconsciously, when positing positive or negative values."

Other books followed: *The Philosophy of Values* in 1936, *The Philosophy of Politics* in 1943, *The Philosophy of Laughter and Tears* in 1949, and *The Philosophy of Sartre and the Psychoanalysis of Existentialism* in 1951. This last book is published in English, Spanish, and Japanese.

#### Latest Effort Ready

His latest effort, which is now ready for publication, is entitled *History and Values*. Stern finished it, in French, and used it in his lectures at the Sorbonne where he was a visiting professor in 1957. He then translated it into English. It is an investigation of the mutual influences of value and history — history taken in both senses, as the writing of history and as the actual course of events.

Stern is best known for his studies of French existentialism.

His book on the subject has been praised by scholars as a valuable elucidation, and he is considered by many to be the leading authority on existentialism in the United States today. In 1945 he participated in a public discussion with Jean-Paul Sartre, and has been in correspondence with him for some time.

Quite recently, Dr. Risieri Frondizi, Rector of the University of Buenos Aires and the brother of Arturo Frondizi, President of Argentina, visited the Institute campus. Stern had lunch with him and Dean Watson at the Athenaeum, and accepted an invitation to lecture this summer at the University on philosophy—in Spanish. (It will be the winter term for the University's 60,000 students.) He was also invited to attend the Inter-American Congress of Philosophers in Buenos Aires in August.

#### High School Insufficient

Stern is pleased with the "brilliant minds" of the Caltech students to establish the general law we

dents, but points out that many have insufficient backgrounds in the fundamentals of spelling and grammar. In contrast with the American high school, he places the Austrian and German gymnasium and the French lycee. In these European institutions, students the same age as American high school students receive an entire year of instruction in philosophy in addition to several years in classical languages. This prepares them for the rigors of difficult liberal arts programs in college. "If one wishes to reform the United States educational system," states Stern, "the high school is the place to start."

Besides his courses in French and German, Stern now teaches only one philosophy course, Contemporary European Philosophy (PI 3). However, pending approval by the faculty assembly, he hopes next year to offer a one-year graduate course entitled Philosophy and Literature in which he will discuss the evolution of Western philosophy and its expression in literature.

## Engineers!

## Scientists!

WE'RE LOOKING  
FORWARD TO  
MEETING  
YOU



Last year we had the pleasure of meeting many engineering and science seniors during our visit to the campus. As a result of our discussions, a gratifying number chose to join our company.

We'll be back on the dates below, and this notice is *your* invitation to come in and see us.

If you're interested in joining a company that's a leader in fields-with-a-future, you'll be interested in the advantages Boeing can offer you. Boeing is in volume production of Bomarc, the nation's longest range defense missile, and is a prime contractor on Minuteman, an advanced solid-propellant intercontinental ballistic missile system. Boeing also holds a Phase I development contract for Dyna-Soar, a boost-glide vehicle.

Research projects at Boeing include celestial mechanics, hypersonics, energy conversion, solid

state physics, nuclear and plasma physics, advanced propulsion systems, space flight, and the effects of high temperatures on structures and materials.

Boeing is also the nation's foremost designer and builder of multi-jet aircraft. Production includes eight-jet B-52 global bombers, KC-135 jet transport-tankers and America's first jet airliner, the famous Boeing 707.

Expanding programs at Boeing offer outstanding career opportunities to graduates in engineering, science, mathematics, physics and related fields. Boeing's continuing growth, in addition, offers promising opportunities for advancement.

We hope you'll arrange an interview through your Placement Office. We're looking forward to meeting you.

WEDNESDAY, THURSDAY AND FRIDAY  
FEBRUARY 11, 12 and 13

**BOEING**

Seattle • Wichita • Melbourne, Florida

## ON CAMPUS INTERVIEWS

*Engineers, M.E. or E.E.  
Mathematicians...Physicists*

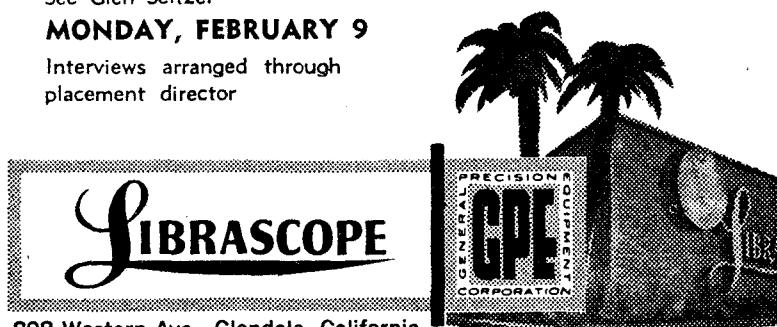
If you have a flair for imaginative achievement, there's a responsible position for you at Librascope...with a future bounded only by your energy and ability.

As you know, Librascope is a dynamic leader in the development of new computer concepts for military and commercial use...in the development of servomechanisms, transistor applications and electromechanical and optical devices.

To learn more about a far-sighted on-the-job program, about important fringe benefits—talk with our representative.

See Glen Seltzer  
**MONDAY, FEBRUARY 9**

Interviews arranged through placement director



808 Western Ave., Glendale, California

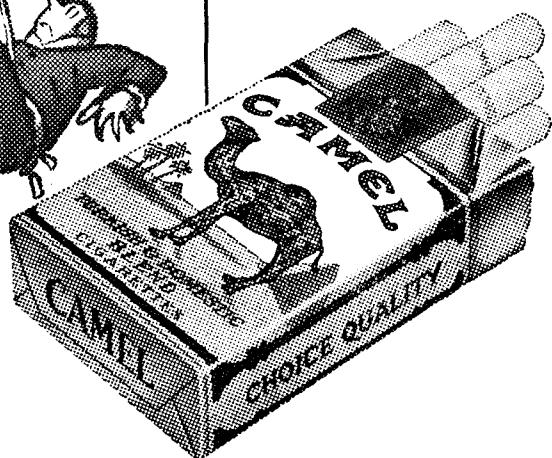


"Oh-oh! There goes  
our last pack of Camels!"

More men in high places smoke Camels than any other cigarette today. For the 10th straight year, this cigarette outsells every other — every filter, every king-size, every regular. The Camel blend of costly tobaccos has never been equalled for rich flavor and easygoing mildness. The best tobacco makes the best smoke.

Climb above fads  
and fancy stuff ...

**Have a real  
cigarette—  
have a CAMEL**

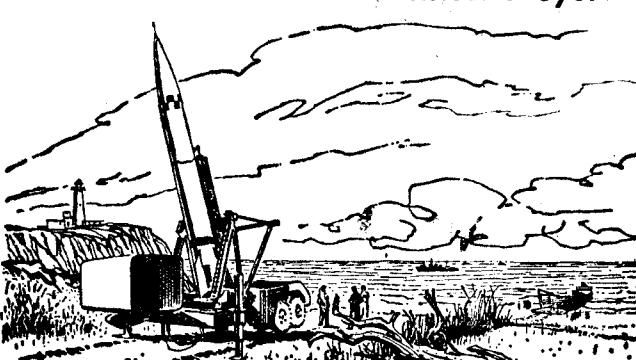


R. J. Reynolds Tob. Co., Winston-Salem, N. C.

**jpl**

CALIFORNIA INSTITUTE OF TECHNOLOGY  
**JET PROPULSION LABORATORY**  
PASADENA • CALIFORNIA

**OFFERS CAREER OPPORTUNITIES** in research and development of missile systems



Active participation in Space Research and Technology, Radio Astronomy, Missile Design and Development • Opportunity to expand your knowledge • Individual responsibility • Full utilization of your capabilities • Association with top-ranking men in field

Openings now in these fields

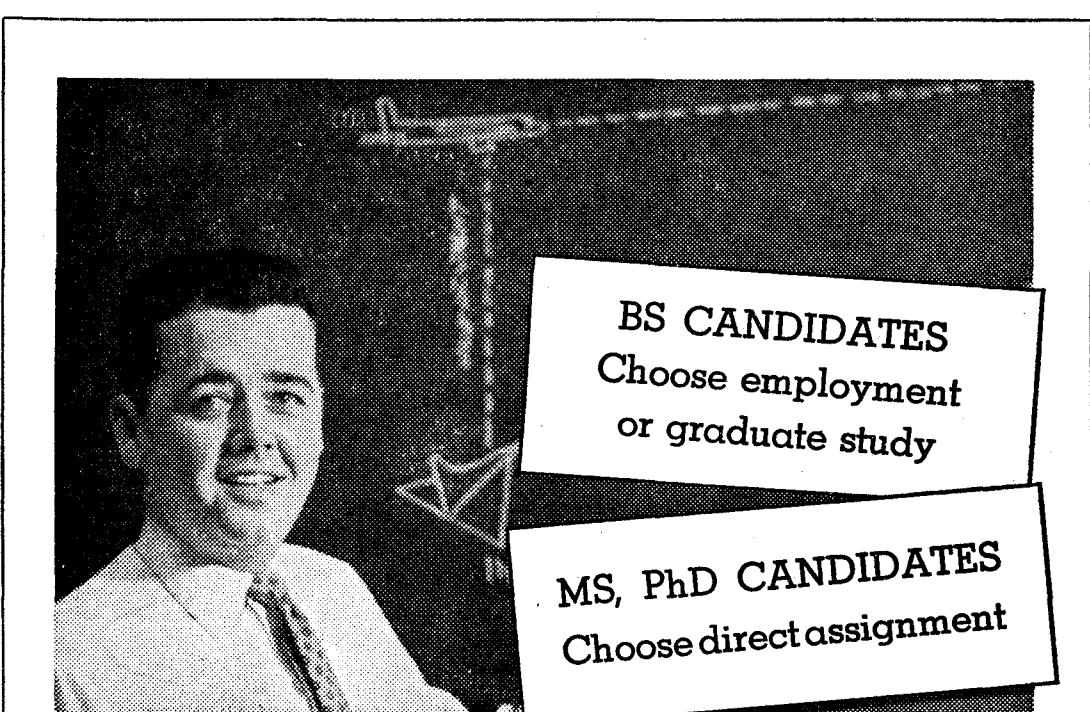
ELECTRONIC ENGINEERING • APPLIED PHYSICS  
MATHEMATICS • MECHANICAL, METALLURGICAL,  
AERONAUTICAL AND CHEMICAL ENGINEERING  
Systems Analysis • Inertial Guidance • Computer Equipment • Instrumentation • Telemetering • Fluid Mechanics • Heat Transfer • Aerodynamics • Propellants Materials Research

**U.S. CITIZENSHIP REQUIRED**

ON CAMPUS INTERVIEWS

February 12

**jpl**



**BS CANDIDATES**  
Choose employment or graduate study

**MS, PhD CANDIDATES**  
Choose direct assignment

### ... As an RCA Engineer

Receive your MS in Electrical Engineering, Mechanical Engineering or Physics at RCA's expense, through the RCA Graduate Study Program. At the same time, you're beginning your RCA career as an engineer on a fully professional level, getting a head start in the field you prefer. RCA pays the full cost of your tuition, fees and approved texts while you take graduate study part time at the University of Pennsylvania or Rutgers University.

Or, you may prefer a different path ahead...RCA Design and Development Specialized Training. Here is another of RCA's programs for careers, in which you begin by working full-time on planned technical assignments.

Experienced engineers and interested management guide your progress. You may receive assignments in design and development of radar, airborne electronics, computers, missile electronics, television, radio and other equipment fields, as well as in Electron Tubes, Semiconductors and Components. MS, PhD Candidates are eligible for direct assignments in the above mentioned fields.

There's a lot more that's extremely interesting about an RCA engineering career. You should have these facts to make a wise decision about your future. Get them in person very soon when an RCA engineering management representative arrives on campus—

Right now, though, see your placement officer. Get squared away on a specific time for your interview. And get your copies of the brochures that also help to fill you in on the RCA picture. If you're tied up when RCA's representative is here, send a resume to:

Mr. Robert Haklisch, Manager  
College Relations, Dept. CR-11  
Radio Corporation of America  
Camden 2, New Jersey



Tomorrow is here today  
at RCA



**RADIO CORPORATION of AMERICA**

# Cagers Seek First Victory; Host Pomona

## San Fernando Tops Beavers 42-38

Despite a spirited last-minute rally in the waning moments of the final half, Caltech's varsity cage team couldn't close a seven-point gap and dropped a heart-breaker to San Fernando Valley State 54-52 Tuesday.

The host Beavers crept to a four-point margin, 42-38, after regaining from a 29-27 deficit but couldn't hold their advantage. Len Maley and Mel Holland were given a brief respite with the score 42-40 and the visiting Matadors quickly took advantage and whipped in four baskets to assume the lead permanently.

### Last Minute Rally

With about two minutes remaining, the Beavers were seven points down but some fine ball-hawking plus clutch shooting almost pulled the game out of the fire. Big 6-3 center Bill Harnack for the victors swished a charity toss to nullify John Stene's long bucket and two more free throws by pesky guard Accardy iced the win.

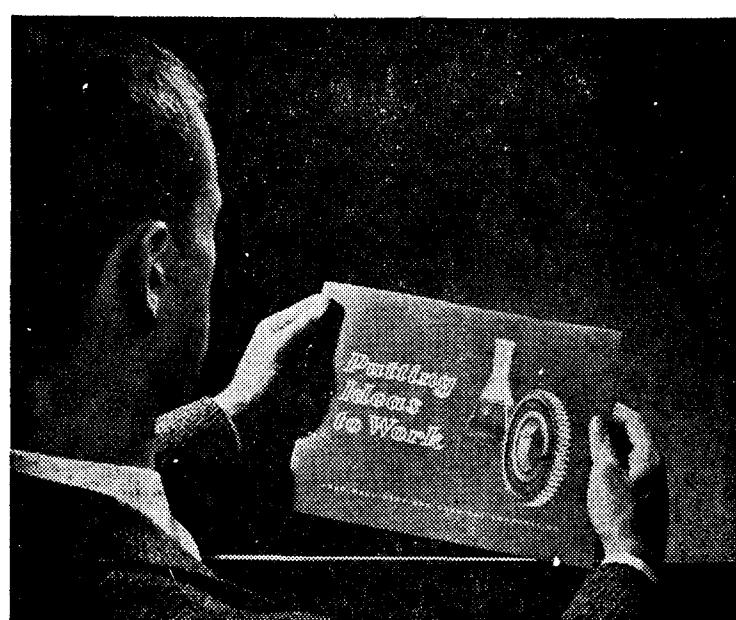
The Caltech men jumped off to an early lead despite some sloppy ball-handling but yielded the advantage midway through the first half. The lead changed hands until intermission with the score 29-27, for the visitors.

### Height Advantage

Harnack's height on offense counted for 19 points and Cassady found the range for 14 markers. For the losers, captain John Stene had one of his best nights and accounted for a 20-point production. Maley, who played a good all-around game, clicked for 10 tallies and the runner-up slot.

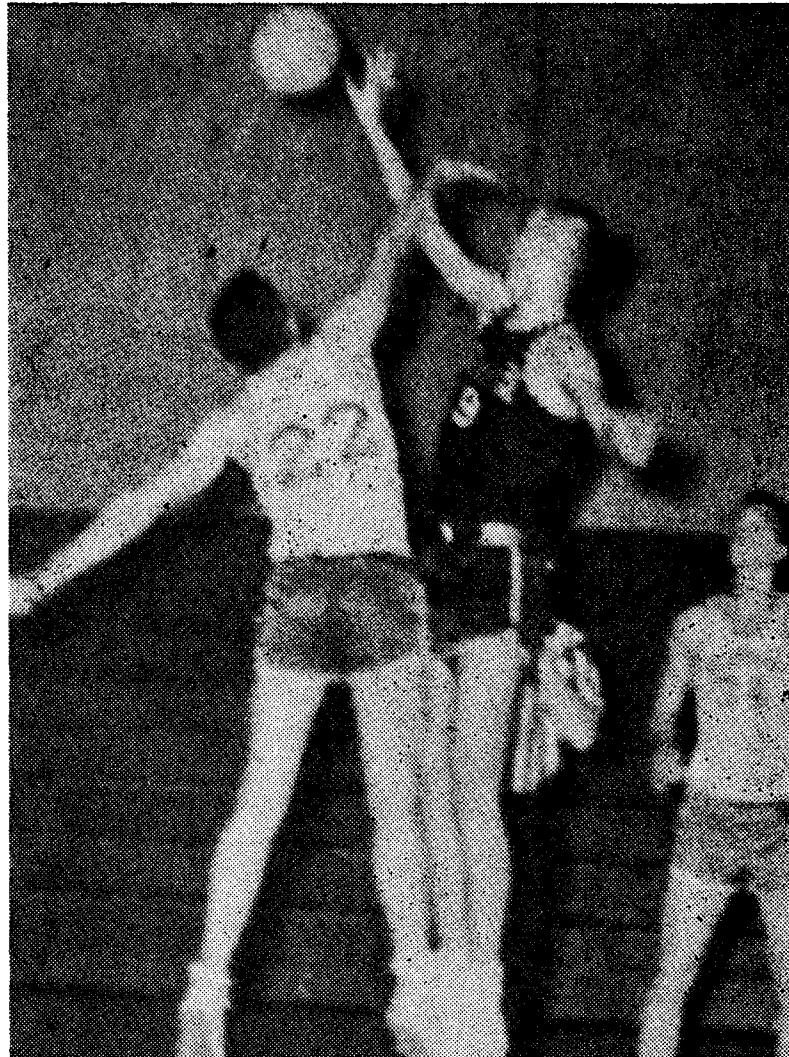
The Matadors, coached by Paul Thomas, former Canadian Olympic star, capitalized on 26 lost possessions by the Beavers. The victors, in their first year of play, have compiled a 3-7 log.

## ENGINEERING STUDENTS TO DISCUSS INDUSTRY CAREERS



Students majoring in chemical, mechanical, or electrical engineering are now scheduling appointments to obtain information on Food Machinery and Chemical Corporation, a major national producer of diversified machinery and chemicals. Company representatives will visit the campus on **February 9 and 10**.

Arrangements for individual interviews may be made through the local college placement office.



ASCIT Photo

Freshman star guard Dean Gerber (22) leaps for tip in Red-

### Redlands 73, Caltech 50

Last Saturday, powerful Redlands rolled to a 73-50 win over lands game.

the Beavers. Larry Brown topped the scoring list with 18 points while Stene, third leading scorer in the league, made 11. Petja hit for 23 points for Redlands.

A long four game skein will close out home paly for the Beavers who have six games left on their schedule. Pomona will furnish opposition Saturday on the Caltech hardwood. The visitors eked out a slim 57-56 victory over the Techmen in their last clash. Monday Cal Western will play at 4:15 while Claremont will motor here next Wednesday.

### Whittier Coming

League-leading Whittier with an unblemished loop slate will visit next Saturday in the last home game of the year. Oxy and Whittier will round out the schedule on away grounds.

# Sports

## Freshmen Rate Favorites Saturday Against Pomona

After splitting a pair of games during the past week, the freshman basketball squad looks forward to the clash with Pomona Saturday on the Caltech hardwood.

Pomona took a narrow double-overtime victory in the last meeting between the teams. With the home floor advantage on their side, the fresh are slight favorites to win Saturday's game.

Last week the frosh took on their favorite opponent, LA Trade Tech, and triumphed for the third time this year. Enjoying a comfortable nine-point margin with about two minutes remaining, the victors were hard pressed to escape with a close 59-58 verdict. Trade Tech, capi-

talizing on familiarity with their small floor, was on the long end of a 28-24 halftime score. Gerry Clough and Roger Noll sparked the scoring with 18 and 13 points, respectively.

Redlands, undefeated leaders in the conference scramble, displayed ample evidence of their superiority by trampling the hapless Beaver frosh, 81-51, last Saturday. Taknig a 36-21 intermission advantage, the smooth-passing hosts opened up their varied offense to pull away with the win. Clough was again high-point man with 18 markers. John Arndt flipped in 13 points while dependable play-maker Dean Gerber swished nine points.

**your  
future  
is NOW  
at  
CONVAIR**

The Convair engineering department is a real "engineers" engineering department — imaginative, energetic, explorative — and exceptional care is exercised to make certain that each new employee is assigned to the job for which he is best qualified, depending upon his interest and education.

One of the finest graduate training programs in industry is offered by Convair-Fort Worth. Classes are conducted in the plant after working hours by university professors, with emphasis on both technical and management studies. Graduate work in allied sciences is also available on-campus as are undergraduate courses of a technical or professional nature. Personal recognition and advancement, based strictly on merit, provide an incentive for rapid professional growth. In addition, you will discover top-notch engineering facilities, excellent working atmosphere, personal job advantages and salaries that are tops in the industry!

**Personal Interviews  
ON CAMPUS**

**THURSDAY and FRIDAY  
FEBRUARY 19 and 20**

Join the team of Engineers and Scientists whose latest achievement is the all-new B-58, America's first supersonic bomber . . . who are even now turning to still newer and more stimulating projects in the nearly half-a-hundred Air Force contracts on hand.

Live in a mild climate year-round, with countless recreational, educational and cultural facilities . . . enjoy a low cost of living with no state sales or income tax. TODAY . . . investigate the opportunity awaiting you . . . at CONVAIR-FORT WORTH!

**CONVAIR**  
FORT WORTH  
FORT WORTH, TEXAS

CONVAIR IS A DIVISION OF GENERAL DYNAMICS CORPORATION

**AS I SEE IT****Cold War Goes To World Cage Championships****By Russ Pitzer**

Recently, at the world basketball championships in Chile, several incidents occurred which made me feel that a low point in sports history has been reached.

The Russians, with five straight victories, had the championship clinched, going into the last game against Nationalist China, whom they refused to play. Claiming that Nationalist China was not a nation, neither Bulgaria nor Russia would play the Chinese team and thus forfeited the game.

The official committee quite justifiably placed both Communist teams at the bottom of the league for poor sportsmanship, thus making all their earlier games forfeits as well. If the Russians and Bulgarians felt so strongly that a basketball game would imply diplomatic recognition, they never should have entered the tournament.

The United States team, composed of former college players now in the armed forces, was beaten by Brazil as well as Russia and thus finished second. It certainly doesn't look good for a nation that obviously could have

the best team, to send a team that isn't good enough to win.

It would not have been too hard to get a lot of top-knotch amateur players to join the national team even if collegiate players couldn't go. The U.S. developed the game and has always had by far the best teams, so that no nation need feel we were

"rubbing it in" in taking the championship.

In the past few years international sporting events have been fairly free of this kind of political interference and feeling, and it seems a shame that sports should now be thus contaminated.

**Discobolus****Flems Move To Second Spot**

Fleming's powerful basketball team had little trouble in turning back the Blacker quintet, 42-20, in last Thursday's Discobolus match. The challengers made a contest out of it at first, but as time proceeded the Fleming margin grew and the outcome became obvious.

Dick Baude was high-point man for Blacker; Al Laderman

and Don Wiberg were standouts for the Big Red.

The victory boosted Fleming into second place in the new Discobolus standings, which are:

Dabney .....	13
Fleming .....	7
Ricketts .....	5
Blacker .....	2
Throop .....	1

**Monday, Feb. 16**

**THE GARRETT CORPORATION****AiResearch Divisions**

**will be on campus to interview**

**ENGINEERING STUDENTS**

**B.S. - M.S. - Ph.D. candidates**

*The Garrett Corporation* is one of the most diverse research, engineering and manufacturing organizations in the aircraft, missile and technological fields.

From AiResearch laboratories have come pioneer developments in aircraft and missile components and systems. Today 90% of the free world's aircraft use AiResearch equipment.

Garrett divisions and subsidiaries are creating a variety of products, including

**• TYPICAL PROJECT ACTIVITIES •**

Electronic air data computers, pressure ratio transducer instruments, electrical systems and motors and generators.

Preliminary design from analytical and theoretical considerations for high-level technical work in aerodynamics, stress analysis, thermodynamics, heat transfer, cryogenics, pneumatics, nuclear power and mathematics.

Auxiliary power units and control systems for

industrial turbochargers and marine equipment, and are supplying sales and service to airframe companies, airlines and the military.

Project work is conducted by small groups in which individual effort is more quickly recognized and opportunities for learning and advancement are enhanced.

With company financial assistance, you can continue your education at fine neighboring universities.

**• ORIENTATION PROGRAM •**

and work with engineers who are outstanding in their fields. Your orientation will include familiarization with sales and contract administration.

**• JOB OPPORTUNITIES •**

Thermodynamics  
Aerodynamics  
Missile Accessories  
Combustion Analysis  
Chemical Engineering  
Mechanical Engineering  
Instrumentation  
Gas Turbines  
Stress Vibration  
Preliminary Design  
Engineering Analysis  
Physics  
Vibration Engineering  
Gear Design

Laboratory Engineering  
Cryogenics  
Pneumatics  
Mathematics  
Electrical Engineering  
Transistors  
Instrument Design  
Electronics  
Analogue Computers  
Cycle Analysts  
Control Engineering  
Computer Programming  
Space Physics and Ionization  
Sales Engineering

Missile APU Analytical Design  
and Development  
Magamp Design and Development  
Liquid Oxygen  
Air Turbines  
Air and Freon Centrifugal  
Compressors  
Welding Engineering  
Sensors and Servos  
Connecting Networks  
Electronic Flight Data Systems,  
Controls and Transistor Circuitry  
Air Conditioning and Heat  
Transfer

**..... THE GARRETT CORPORATION .....**

9851 S. SEPULVEDA BLVD., LOS ANGELES 45, CALIFORNIA

DIVISIONS: AIRESSEARCH MANUFACTURING, LOS ANGELES • AIRESSEARCH MANUFACTURING, PHOENIX • AIRSUPPLY  
AIRESSEARCH INDUSTRIAL • AERO ENGINEERING • AIR CRUISERS • AIRESSEARCH AVIATION SERVICE

Welcome to

**THE CAMPUS  
BARBER SHOP**  
(In the Old Dorm)  
**ALL HAIRCUTS  
\$1.50**

Two Barbers to Serve You