

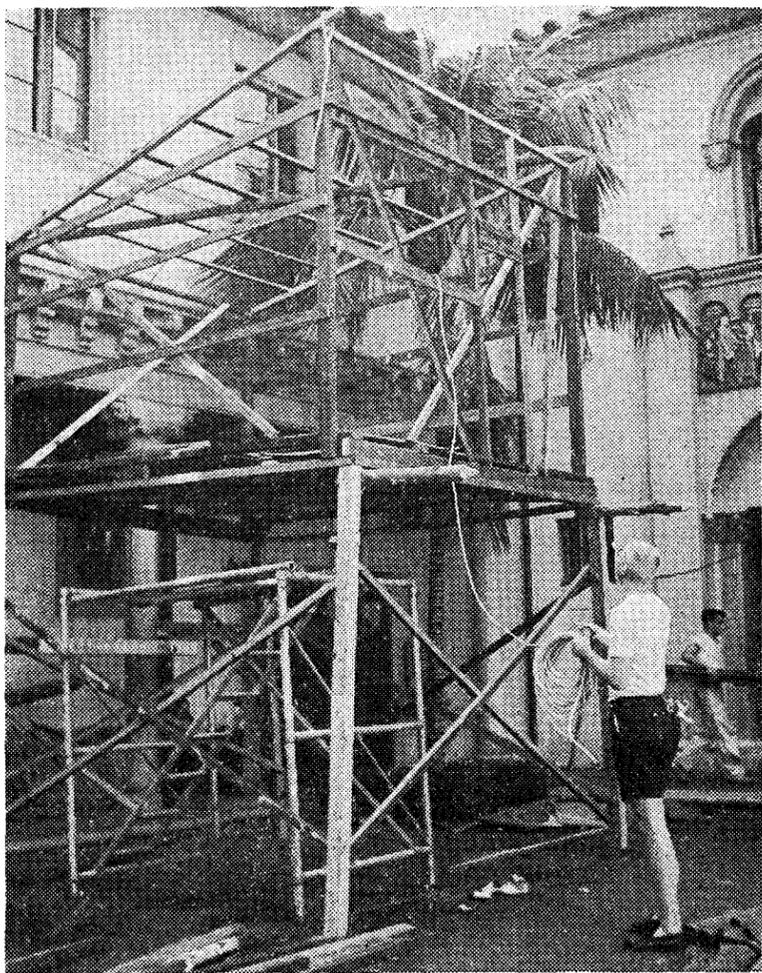
# The California Tech

California Institute of Technology

Volume LX.

Pasadena, California, Thursday, November 6, 1958

Number 7



The magnitude and complexity of this year's Interhouse decorations is demonstrated by this exotic grass hut rising out of Dabney courtyard.

## Houses Hustle Decorations For Saturday's Big Blast

### Caltech Dads To Assist In Fund Raising

(This is the fourth article in the Tech's series charting the progress of the development program.)

Nearly 500 fathers of Caltech students have been invited to a dinner meeting on campus the night of Nov. 10 to discuss plans for their participation in the Institute's \$16,100,000 development campaign.

The fathers, gathering from almost every major city in Southern California, are those of present undergraduates or of students who received B.S. degrees from Caltech in the past four years. Over 70 men are expected to attend.

According to Mr. Harlan J. Nissen, chairman of the steering group, the Parents' Committee plans to enlist support not only from Southern California parents but from others throughout the country. Its long-range objective is to organize a permanent corps of parents who will be in close touch with Caltech affairs and active in financial support of the Institute.

The immediate fund raising goal of the Parents' Committee has been announced as \$100,000, which, it is hoped, can be raised from among parents and their personal and business acquaintances.

With the optimistic view that everything turns out all right in the end, decorators for next Saturday's Interhouse Dance are frantically stumbling towards their respective goals with the usual lag in planned schedule. Official attire for the dance, which starts about 9 p.m., will be "dressy dress."

In carrying out the theme of "St. George and the Dragon," Blacker House has planned a scene of Ye Olde Days. The courtyard will be the lair of a gigantic dragon whose tail will extend through the Blacker archway and onto the Athanaeum lawn. Fearlessly engaging the dragon within the courtyard will be St. George, gallantly rescuing a maiden in distress. Blacker lounge will be the interior of a castle, complete with shield and suits of armor, while the dining room will be a 13th Century wine cellar. There will be room for dancing in the lounge.

#### South Sea Islands

The South Sea islands will be depicted in Dabney House. The courtyard will feature a "real grass" grass hut, a moonlit bay with an alligator (to discourage moonlight swims), and various real and better than real birds, including a talking parrot. The lounge will be a sacrificial altar, with periodic human sacrifices.

An outstanding Flamenco guitarist, Manolo Vasquez, will be included in the Fleming House decorations which are based on a Spanish theme. The guitarist will appear in the Fleming dining room, which has been converted into a Spanish cafe. The lounge will be a bull ring while the courtyard will be an old Spanish mission. The exterior walls of Fleming facing the Fleming-Ricketts courtyard will be covered with store fronts of old Spain.

In the Fleming-Ricketts courtyard there will be extra dancing room with music provided by a band sponsored jointly by Ricketts and Fleming.

**Night on Bald Mountain**  
The Ricketts House theme, "A  
(Continued on page 10)

### Applications Needed For SFRC Opening

Up to ten students will be appointed members of the Student-Faculty Relations Committee in the near future, according to Dr. Thomas Lauritsen, committee chairman. Interested students should turn in written applications to Gus Akselrod, Mike Milder, or Dr. Robert Langmuir in the next few days.

The committee acts as a body for pooling student-faculty opinion and institutes joint action by student body and faculty members on needed improvements.

Besides the student members at large, the committee includes faculty members appointed by the faculty board, and ex-officio student members including Executive Committee members, the California Tech editor and Student House presidents.

### Y Plans Auction Of Lost and Found

The swelling Lost and Found box in the YMCA office will be emptied by auction unless students pick up their lost knickknacks by noon on November 26, according to Bob Blandford, Y president.

Among the lost objects at the Y are several coats and jackets, an umbrella, gloves, sweaters, glasses, pens and pencils and six slide rules.

## Caltech To Represent Japan At Model U.N. Next Spring

Caltech will represent Japan at the Ninth Annual Pacific Coast Model United Nations which will be held at U.S.C. next May.

Delegates from colleges and universities in eight western states will take part in the four-day conference. Over 80 of the UN member-nations will be represented as problems of world significance are considered within a mock organization of the international assembly.

About a dozen Techmen will make up the Japanese delegation which will participate in all committee and council sessions.

Tech represented Australia at last year's MUN in Seattle. The delegation rated their trip a success, from the standpoint of both knowledge gained and impressions made.

Although the Board of Directors has not yet determined an exact procedure for picking a chairman and delegates, there will be a preliminary organizational meeting of last year's delegates and all other interested students tonight at 7:30 in the Board room.

## Concert Slated Sunday Night

The Los Angeles Baroque Players will present the year's second chamber music recital in Dabney Lounge Sunday evening at 8:15.

Comprised of Nathan Ross playing the violin; Joseph Reilich, viola; Leonard Krupnick, cello; Burnett Atkinson, flute; and Carol Rosentiel, harpsichord, the group will present short compositions of Scarlatti, Buxtehude, Reid, Fiocco, C. P. E. Bach, Telemann, Reusner-Stanley and J. S. Bach.

The bi-weekly concerts are presented by the Humanities Division as a service to the Caltech community. All interested persons are invited.

## New Debaters Win 12, Lose 4

Four Caltech novice debate teams compiled a 75% won-lost record at their first tournament last Saturday.

Attending the Novice Debate Tourney at El Camino College were Carl Hamilton and Carl Rovainenn, Gary Lorden and Andy Kukla, Kip Thorne and Dave Jefferson, and Lance Taylor and Sid Leibovich. The tournament was the first college level debate for all participants.

Hamilton and Rovainenn led the Tech teams with four wins and no losses, Lorden and Kukla and Thorne and Jefferson had three-one records, while Leibovich and Taylor won two and lost two.

Accompanying the orators on the trip was Dwight Thomas, debate coach.

This Friday and Saturday several Tech debate teams will participate in a practice tournament at Los Angeles City College.

## Bruns To Speak At CCF Meeting

Mr. Robert Bruns, a research engineer at the Jet Propulsion Lab, will be the featured speaker at a meeting of the Caltech Christian Fellowship Friday night. Bruns will speak on "The Relationship of College Standards to Christianity." The meeting will be held at the Powell's residence, 1420 East San Pasqual. All Caltech students are invited to attend.

## Fifteen Beauties Vie For Queen

Fifteen beautiful women have been chosen as semi-finalists for Homecoming Queen. These girls, who have been eating dinner in the Student Houses for the past four nights, will be narrowed down to five finalists on the basis of elections to be held tomorrow.

The Queen will be chosen from these five in another election, and will be introduced during Homecoming ceremonies, Friday, November 14.

Meanwhile other Homecoming plans are steaming ahead under full power. According to Ken Dinwiddie, ASCIT Social Chairman, a buffet supper will be served at 6:15 p.m. the night of Homecoming in Fleming and Ricketts Houses for alumni and students with dates. Other students will be served in Blacker and Dabney.

During the meal, Coach La Brucherie will give a short speech on the game outlook, and the Caltech Glee Club will present a brief program.

Shortly after 7 p.m. busses will leave for Oxy from the corner

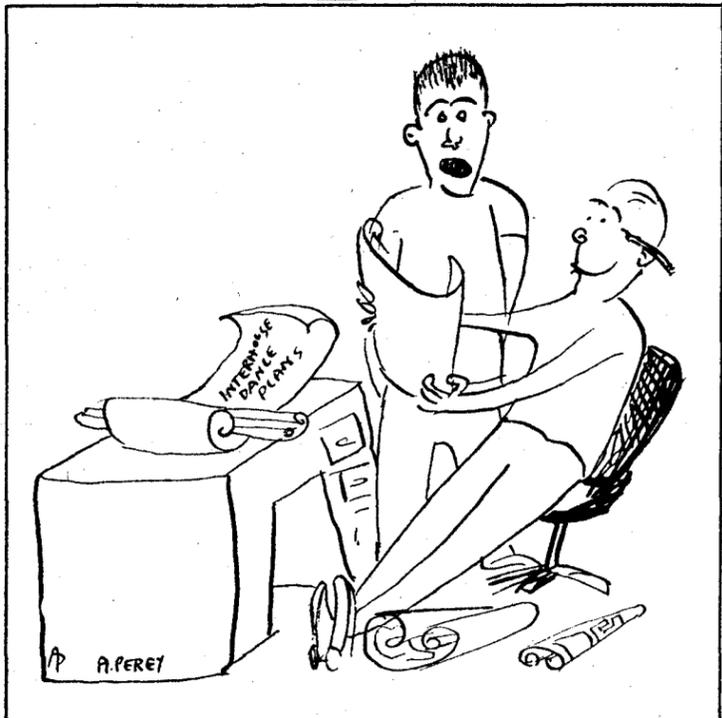


The search for a Homecoming Queen grumbled to a start Sunday when candidates visited Dabney Garden to meet their prospective subjects and to have their photos taken for the California Tech.

of Hill St. and San Pasqual. Costs for the evening will be: \$1.25 for date's meal, \$1.50 for date's game ticket and \$1.00 for bus fare.

The Wednesday before Homecoming, the names and pictures of the five finalists for Queen

will be posted on the various campus bulletin boards. That night the finalists will again eat dinner in the student houses, and on Thursday the California Tech will publish additional information on each girl. Thursday  
(Continued on page 10)



"It looks great, but couldn't we get the effect somehow without using critical mass?"

## You Are There

# Behind The Scenes At The Queen Candidates' Tea

by Carnoy

Oh, by the way, there was a tea for the Homecoming Queen candidates in the garden behind Dabney Hall on Sunday. The girls were there primarily to have their pictures taken for the usual campus publicity.

The sources of these girls are very varied this year, and it must be said that Monsieur Dinwiddie has given the campus something to think about for the next two weeks. Scripps, P.C.C., and U.S.C. are all ably represented.

### No Tea at the Tea

Getting back to the tea, there really was no tea there at all. There was Bugs Bunny punch, however. Besides the pseudo-tea there were about twice as many Techmen as girls. Their purpose was to entertain the girls — you know, conversation and all.

Unfortunately, a great many of the entertainers seemed to think that this was sort of an exchange, and, well, you know, Techmen are very competitive, so the idea became twofold. First, impress the girl out of her mind; then when she was reeling under this onslaught, get her to take a look at the campus with you. Better still . . .

### Girls Learned Plenty

Some of the girls were pretty interesting. Too bad they didn't get to say much. But they learned plenty. You bet. Now they are back at Scripps, P.C.C., and where have you, reveling over the suave, debonaire, continental men of the world at Caltech. Boy, were they impressed. Especially with the facility with which the cool upperclassmen, trained by years of hard-won experience with beautiful women, lured them away from slightly less quick competitors.

The Bugs Bunny punch went fast as Techmen rushed from one maid to another, displaying their prowess in any and every field.

### Relay Race

There was even an inkling of House reputation at stake. Teams from each house would go from girl to girl in a relay race, one member picking up where the last one left off. It was good to see the friendly House spirit which permeates all walks of life here at Tech.

Actually, it's hard to say which House scored the most points, but it shouldn't be hard to find out. Someone must have been counting.

## Secretary's Report

### REVISED ELECTION PROCEDURE

In order to avoid the inconvenience of numerous runoffs in the various elections held during the year—particularly for class office—the Board of Directors approved Election Committee Chairman Doug Shakel's recommendation that the first round of voting be in the form of a primary: the top three candidates will be placed in a runoff of the usual type.

### FINANCIAL OUTCOME OF JAZZ CONCERT

The recent Louis Armstrong Jazz Concert netted the student body \$400 plus or minus \$75.

Time is; man marches on  
Tom Jovin

## The California Tech

EDITOR: Mike Milder

EDITORIAL BOARD: Bill Bauer, Cleve Moler, John Todoroff, Howard Weisberg.

### STAFF

Pete Bickel, Carl Gottschall, Gerhard Klose, Bob Koh, Sid Leibovich, Steve Langley, Roger Noll, Arny Perey, Stan Sajdera, Lance Taylor, Joel Tenebaum.

BUSINESS MANAGER: Howard Weisberg

Circulation: Neil Sheeley

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# Fineman's Shilling Scandal Sheet Probes Secrets Of British Society

Fulbright Scholar Joe Fineman '58 continues his series of correspondences on life in the British Isles.

London  
September 22,  
1958

(Continued from last week)

ANYWAY: Wednesday night I heard an all-Beethoven London Philharmonic concert (Gunnar Staern, guest conductor) at the Royal Festival Hall—a fantastic, modern, multi-tiered structure with lots of plate glass, overlooking the Thames; Thursday at the Globe, Emlyn Williams reading Dylan Thomas, mainly *A Boy Growing Up*—some of the funniest description I have ever heard.

Since dinner is not provided at the College, we have to go out to eat, which gives considerable incentive to get around. Only one familiar face in the crowd: Baird Brandow (Fleming '57, Ph: Birmingham) whom I met at the Commission reception in New York.

I switched to sterling on the ship and have pretty well got used to the money, but of course

not having a feel for what is expensive I have to do a good deal of mental arithmetic figuring American equivalents. I did manage to confuse one post-office clerk who, never suspecting that by "40 threepenny stamps" I meant "40 thrupennies," started to give me 43 1-d. stamps.

It is something of a different language; I notice especially that most of the technical conveniences that were invented after the revolution have divergent names—an underpass is a subway and a subway is an underground, a mechanical pencil is a propelling pencil etc.

Most of the arbitrary conventions are different from American ones; not only do British traffic kee to the left and British electrons go counterclockwise in cyclotrons, but British light switches are on when down and off when up, though this would be unsafe if applied to knife switches. British electricity, by the way, is 240 vac at 50 cps.

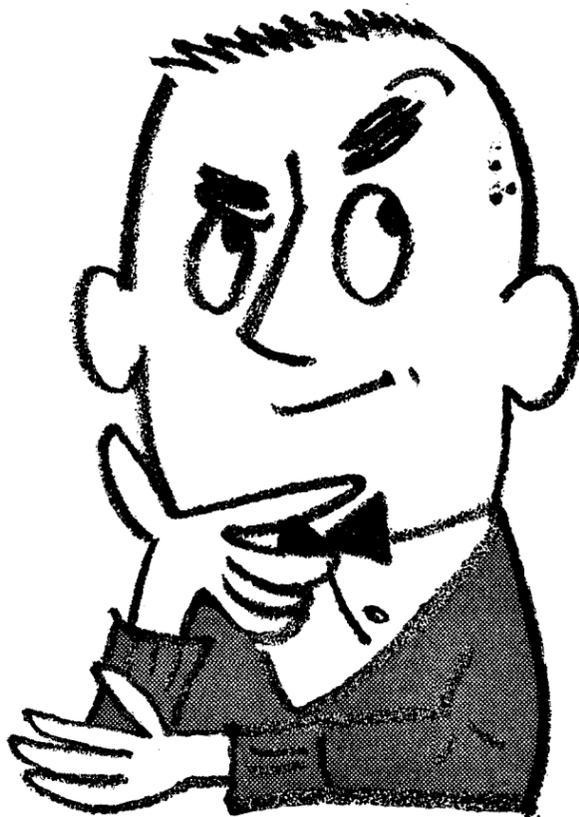
As for pronunciation, I think Englishmen find ours queerer than we find theirs; for one

thing, they expect us to have much more difficulty understanding them than we actually do. Also, as I was hanging from a fence in the London Zoo yesterday, watching the chimpanzees take their tea, a boy perhaps six years stared at the "Caltech" on my jacket and got me to tell him what it said. He asked me what the third letter was. "L", I said. "C-A-L: Cal." "Oh," said he, "We spell it C-O-W here!"

One thing almost everybody notices right away is the extraordinary courtesy and kindness of the people here. They do not push in queues; the policemen do not shout insults; and every day one hears a new story from some amazed American who, for example has asked a bus driver how to get to certain street and has been shown directly to it by someone who insisted on getting out of the bus in the middle of his journey to do so. Imagine that happening in New York.

The British speakers we have heard have mostly said that the Briton's reaction to a stranger is warm but at the same time deep-

(Continued on page 4)



## Ever meet a Doubting Thomas?

A college senior once remarked to a Bell System interviewer: "A telephone career must be a mirage. I hear talk about fabulous training, fascinating work, grade-A job security, and rapid advancement in management. Sounds a bit too rosy. What's the real story?"

The interviewer knew mere talk wouldn't sell a skeptic. So he showed him some "profiles" of recent college graduates who had enjoyed that fabulous training, had worked at intriguing jobs, and had won early management promotions.

Our once-skeptical friend has been with the Bell System 3 years now—and is currently supervising the work of 55 people.

We've converted a host of Doubting Thomases. Whether doubtful or not, you'll learn a lot about rewarding telephone careers by talking with the Bell System interviewer when he visits your campus. Also read the Bell Telephone booklet on file in your Placement Office, or write for "Challenge and Opportunity" to:

College Employment Supervisor  
American Telephone and Telegraph Company  
195 Broadway, New York 7, N. Y.



BELL TELEPHONE COMPANIES

# 1958 Homecoming Queen Candidates



MARY LOU  
WRIGHT



ALANSA  
CARR



HILLI  
IVASK



JOAN  
PRESTIN



ANN  
SINGMAN



SHARON  
PALMER



CARYL  
SHIELDS



PAT  
BUDD



MARY  
CHATTERTON



MARY LOU  
MARTIN



MARY  
COFFIN



JEAN  
PRATT



SHIRLEY  
GARIBALDI



MIMI  
IZZARD



LES  
WICKLAND

## The Candidates: Lively Bunch Of Lovelies

Techmen will recognize the fifteen lovely ladies who appear on this page as the ones who have been eating dinner in the Student Houses and charming the undergrads all this week, looking for votes in the upcoming elections for Queen of the 1958 Homecoming.

Tomorrow, Tech students will have a chance to vote for the five girls they would like to see as finalists—and next week, they will vote for Queen.

The California Tech takes pleasure in introducing the candidates:

### • Pat Budd

Pat Budd, from Toll Hall at Scripps, packs a lot of attractiveness into a dainty 5'1" height. Starting off in Brooklyn, she has lived in Shanghai, Tokyo, Honolulu, and Claremont. A political science student, she wants to work for the State Department abroad. Likes good music, reading, and travel.

### • Alansa Carr

Alansa Carr, a Scripps gal from Grace Scripps Hall, stems from New Orleans, Louisiana. Starting off a very active life, she headed from there to Alaska. After high school in Oregon, she came down the coast to Scripps. She likes writing, swimming,

dancing, and the outdoors. Her little sister is hula-hoop champ of Ketchikan!

### • Mary Chatterton

Mary Chatterton is a student at USC majoring in International Relations. She's an Alpha Delta Pi, for those who know the difference.

### • Mary Coffin

Mary Coffin, from Toll Hall at Scripps is as "Chas. Addams" as her name. Leaving her life-long home in Elko, Nevada, she proceeded to pull such ghoulish pranks as disconnecting all the waking bells in her boarding school in Minnesota, and hitching freights with friends. Likes "Just about anything."

### • Shirley Garibaldi

Shirley Garibaldi is a resident of Browning Hall at Scripps, and perhaps the only girl in the world who possesses real violet eyes. Hailing from Oakland, California, she's an art major with interests in ice-skating and modern dancing.

### • Hilli Ivask

Hilli Ivask, whose exotic name has something to do with

her Latvian origin, is a senior at Pasadena High School, and sweet seventeen. She plans to attend PCC, then UCLA. With her genuine (she assures) blond hair she is a model for Adrian of Pasadena. She plans to become a commercial artist.

### • Mimi Izzard

Mimi Izzard, a blonde from Browning, started life in Kansas City, Missouri, and developed the most changeable pair of green-gray-blue eyes ever seen by man. A sophomore, she already plans to conquer Europe with enthusiasm while enjoying tennis and skiing, then get a Master's at Stanford in literature.

### • Mary Lou Martin

Mary Lou Martin attends Scripps College. This spirited sophomore is "the sparkplug of Dorsey Hall." She is a Song-leader for Claremont-Mudd this year, and was Homecoming Princess for Pomona-Claremont last year. She majors in art and hobbies with modern dancing.

### • Sharon Palmer

Sharon Palmer is straight

from the halls of our hallowed institution. A graduate of Rice Institute with a BA in biology, she's presently a lab technician in Kerchoff Laboratory.

### • Jean Pratt

Jean Pratt, another Scripps—Scripps girl, originated from Hinsdale, Illinois. She likes to read, hoping to teach literature after graduation, and is a regular girl Thoreau—loves the ol' outdoors. Jean hopes to travel to France on the Experiment in International Living this summer.

### • Joan Prestin

Joan Prestin is a blue-eyed, willowy blonde bundle of glamour. She is a junior at USC, and a member of Kappa Alpha Theta sorority. Joan was selected Sweetheart of Sigma Chi last year.

### • Ann Singman

Ann Singman is another winsome lass from Scripps. Her home away from home is Dorsey Hall, but she'll tell you she's from Berkeley. Described as one of the most enthusiastic freshmen at Scripps, Ann names in-

terpretive dancing as one of her big interests.

### • Caryl Shields

Caryl Shields was spotted at Consolidated Electrodynamics by our own Mike Godfrey. A pixie type, she stands about five-two in her stocking feet with the prettiest pair of green peepers available beneath short dark hair. She wears a perpetual smile while driving her '59 Corvette.

### • Les Wickland

Les Wickland, from Toll Hall, is quite frank about the fact that her striking blonde hair wasn't always striking blonde. Claims her last boyfriend was a theology student, but she decided that she "wasn't the minister type." She's lived in Portugal, Paris, and Belgium; wants to write for Life magazine.

### • Mary Lou Wright

Mary Lou Wright, another Toll gal, was born in State College, Pennsylvania ("It's a town!") where she lived for fifteen years. Then to Tucson, Arizona, and on to Scripps. She's a real sports fan, both for spectator and participant sports. Wants to study in Berlin after graduation.

# Beadle Joins Caltech Nobel Laureates

## Becomes Second Biologist To Win Coveted Award

The Nobel Prize once again came home to Caltech last week, this time in medicine. Dr. George W. Beadle, chairman of the Biology Division, was named for the award by the Royal Carolyn Institute of Medicine in Stockholm last Thursday.

Beadle was awarded the Prize jointly with Dr. Edward L. Tatum of Rockefeller Institute and Dr. Joshua Lederman of the University of Wisconsin. All three men have made significant contributions in the study of the chemical basis of heredity.

Beadle and Tatum, working together in 1940, performed the now famous experiments with

the so-called red bread mold that established chemical genetics. Beadle becomes the newest member of a distinguished company of Caltech Nobel Laureates:

### ● Robert Andrew Millikan

The first member of the Caltech faculty to receive the Nobel Prize was Dr. Robert A. Millikan, who obtained the physics award for his epoch-making oil-drop experiment. Dr. Millikan had come to the Institute in 1921, after resigning from the staff of the University of Chicago.

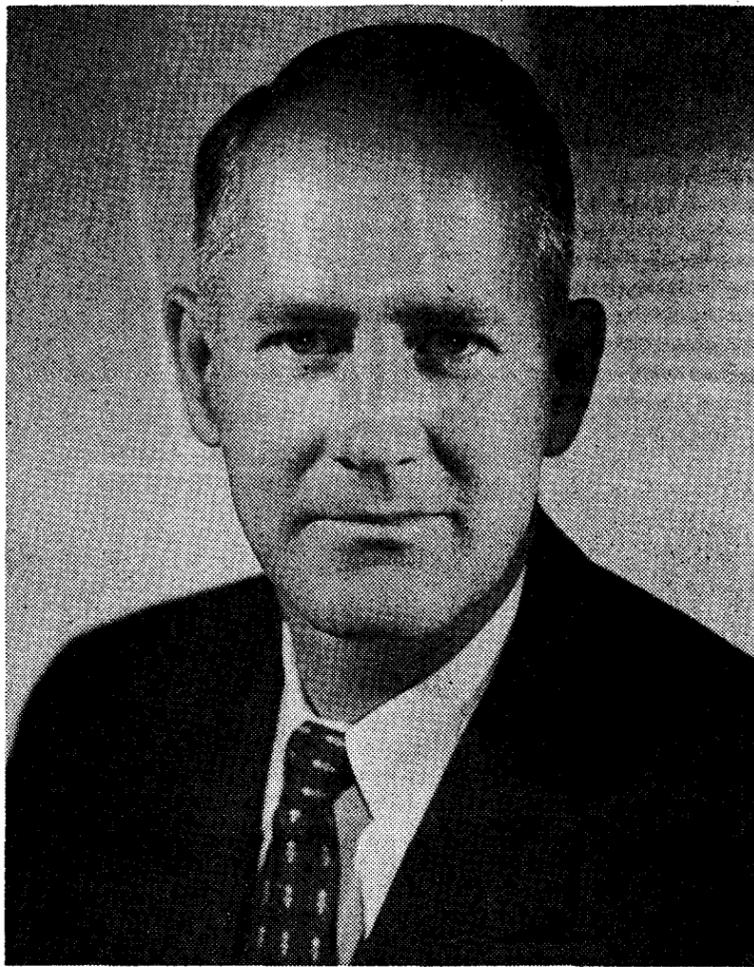
He became both Director of the Norman Bridge Lab and President of the Institute, a post which he held until 1945, when he retired to the position of vice-chairman of the Board of Trustees, which he retained until his death in 1953. Dr. Millikan is usually regarded as foremost among the men who pioneered Caltech's early existence.

### ● Thomas Hunt Morgan

Professor Thomas Hunt Morgan was the winner of the 1933 Nobel Prize in Medicine. Working with the same common fly that congregates around fruit stands and garbage pails, Dr. Morgan became known as the founder of the "fly school" of genetics. Breaking a long tradition of aloofness to the academic stature of American colleges and universities, European students soon began to make serious pilgrimages to his laboratory.

At the time that Dr. Morgan was performing the researches that later led to his being made a Nobel Laureate, the famous biologist was a professor at Columbia University; later, in 1928, he joined the staff of the California Institute.

After his arrival at Tech, Dr. Morgan became the first Chair-



DR. GEORGE W. BEADLE is the fifth Caltech faculty member to receive the Nobel Prize. Dr. Beadle received his B.S. from the University of Nebraska in 1926, his Ph.D. from Cornell in 1931. He was a professor at Stanford for nine years before coming to Pasadena in 1946 to head the Biology Division.

man of the Division of Biology, as well as a member of the Executive Committee. Morgan is regarded as one of the greatest biologists of all time.

### ● Carl David Anderson

Dr. Carl Anderson, discoverer of the positron, obtained his laurels in 1936. In addition, Dr. Anderson was the first graduate of Caltech to become a winner of the coveted Prize.

Dr. Anderson was a member of the class of 1927, and he received his Ph.D. degree in 1930. At the time he did the work which made him famous throughout scientific circles the world over, Dr. Anderson was a research fellow at the Institute.

He became an assistant professor in 1933, an associate professor in 1937, and a full professor in 1939. Besides his discovery of the positron, for which he received the Nobel Prize, Dr. Anderson was the discoverer of another fundamental particle, the mesotron.

Dr. Anderson is at the present time a professor of physics here at the Institute, continuing his researches in the field of particle physics.

### ● Linus Carl Pauling

Protein chemistry was the field in which Dr. Linus Pauling earned his award. Dr. Pauling was the third graduate of the Institute to win the Nobel Prize.

Some other fields in which Dr. Pauling has made important contributions in the past are: the application of quantum mechanics to chemical bonds and mo-

lecular structure; the determination of the ways in which this molecular structure may affect the behavior of living cells, and the explanation of some of the properties of metals.

Dr. Pauling is at the present time doing research into the chemistry of mental diseases. A graduate of Oregon State College in 1922, Dr. Pauling earned his Ph.D. here at Caltech in 1925. He joined the faculty of the Institute in 1926, becoming a full professor in 1931. Pauling was Chairman of the Division of Chemistry and Chemical Engineering from 1936 until this year, when he resigned to devote full time to his research projects.

To his deep insight into the nature of the universe, Professor Pauling has joined a deep concern for the welfare of the human race. Evidence of this concern was the publishing of his first non-technical book, *No More War!* in August of this year. Dr. Pauling is perhaps the most widely-known of all Caltech's Nobel Laureates.

### ● Graduates

In addition to Drs. Pauling and Anderson, two other Caltech graduates have been awarded the Nobel Prize. First was Dr. Edwin McMillan, who obtained the prize in 1951 for his discovery of plutonium. Dr. McMillan is at the present time a Professor of Physics at the University of California at Berkeley.

Another physicist, Dr. William Shockley, followed Dr. McMillan by obtaining the award in 1956. Dr. Shockley received the prize for his invention of the transistor in 1948, at the Bell Telephone Laboratories. He now directs his own labs, doing work in solid state physics.

## Fineman's Shilling Scandals

(Continued from page 3)

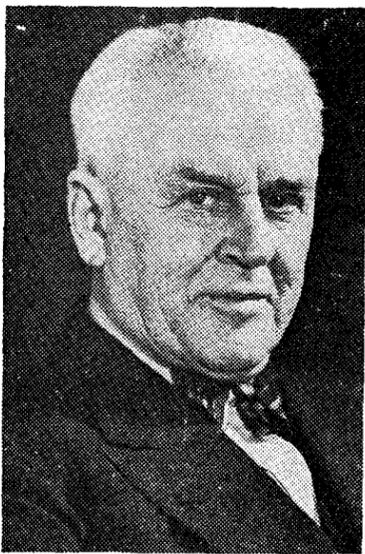
ly suspicious, and I imagine there must have been a lot in American newspapers recently to show that Britain's hospitality to Jamaicans etc. is not exactly as frictionless as its toilet paper.

The Notting Hill and Nottingham brawls have been a sensation here too, not only because of the racial implications but because it seems that street fighting by gangs has been unheard of in London for over 200 years.

The general reaction is one of shock and dismay. The outraged statements of the judges who passed sentence on the offenders were printed in large, bold-face type on the front pages of most of the London papers, with evident approval.

As far as what to do about the problem is concerned, all four M.P.'s who spoke to us agreed (though with great variety of emphasis) that (1) as the mother country of the Commonwealth, Britain could not think of abandoning her policy of free migration, and certainly could not consider setting up a color bar; (2) there should be some legislation to provide for the exclusion or deportation of criminal elements, but (3) this has nothing to do with the problem raised by the riots, which is one of how to integrate these new citizens into the society, especially in the face of present and possible future slackenings of employment which make them competitors for jobs. Ironically, one of them suggested they might be able to learn some techniques from the U.S. which, he said, has been faced with this problem for a long time!

It is worthwhile by the way to notice what kind of feelings those judges appealed to in their remarks, personal or at most local, neither mentioning the international repercussions. "You have disgraced yourselves and your families," said Dodson; "You have brought shame on the district in which you live," said Salmon; but if it brought shame on Britain, they left that to the Foreign Office (which has, indeed, been very busy explaining things to various Commonwealth ministers in London.) Dodson even had the *chutzpah* to bawl the brawlers out for wasting the valuable time of the police rounding them up! The point, I think, is that this is still a tight little island; the appeal is to personal dignity and indignity, with the nation a result of these, rather than to political expediency, with the national interest an excuse. And in fact that is the only really effective appeal. In the U.S., where people's personal senses of what is decent with respect, for example, to race relations are strongly cleft, the argument that segregation puts us in a bad light propagandawise is not going to convince anybody.



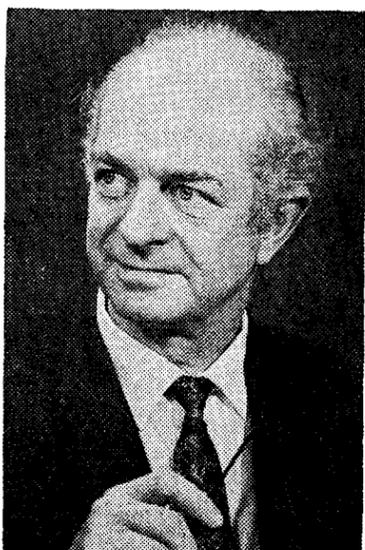
Dr. Robert A. Millikan



Dr. Thomas Hunt Morgan



Dr. Carl D. Anderson



Dr. Linus C. Pauling

# Jazz Beat

by Lloyd Kamins



## Horace Silver and The Jazz Messengers

Blue Note 1518 featuring: **Kenny Dorham**, trumpet; **Hank Mobley**, tenor sax; **Doug Watkins**, bass; **Art Blakely**, drums; **Horace Silver**, piano.

The Horace Silver Quintet is now a familiar voice in modern jazz. The group has attained such stature that it is awarded the flattery of consistent mimicry. It serves, perhaps, as a standard of a hard bop quintet.

This album is the first released by the group. There have been a succession of horn men in the group, although Mobley's fine sound is usually heard, and Silver has written originals for each recording session, but his format has remained the same. There is no indication, however, that the style of Silver has been overworked. The shiny covering of individuality has been rubbed from Silver's sounds, but this uncovering has only revealed the solid meat below.

### Excellent Originals

It would seem as if the originals on this first album are of a higher stature than some currently released.

What has Silver written that compares with **The Preacher**? This track, contained herein, is a two-beat swinger with the old gutbucket feel. Call it a swinging sermon. The sensual **Creep-in' In** is another contribution to jazz that is hard to top. **Room 608** could conceivably serve as the typical fast bop riff of the period, having little intrinsic merit harmonically, but nevertheless interesting in its interwoven patterns.

The songs written by Silver four years ago are at least as good as his contemporary contributions. The soloists haven't progressed to a noticeable extent, with the exception of Mobley who has attained greater facility. Silver is one of the best pianists now playing, and he was just as good four years ago.

### More Care, Once

Moreover, Silver seemed to put more care and work into each selection than in his recent recordings. Most tracks contain a subsidiary riff precluding the out chorus. A few tracks have horn backgrounds to Silver's keyboard romps, a rare but worthy occurrence nowadays.

This is not to imply that Silver's recent issues are to be considered as inferior material. I am merely noting that recently Silver would write one riff per song. In this album he wrote two, and sometimes three.

A new Horace Silver album is sure to sell. Fans will buy Sil-

ver recordings without even a preemptory hearing. In the early fifties, though, Silver records had no commercial value. As we have noted above, however, the records themselves were as good or better than the recent sell-out recordings. This is just another example of the lag between contribution and public acceptance, with the public, in this case, being the supposedly hip jazz audience. In Silver's case, all went well, but many a musician must hock his horn before he is ever noticed.

### Deaf Public

What's the reason for all this? Why is talent obscured? Perhaps the situation is akin to that brought on by the Disc Jockey in popular music. Embryonic jazz fans listen only to the highly touted records. I am sick of people extolling the virtues of **My Fair Lady**, Cal Tjader, and, in a different vein, John Coltrane, without ever listening to something on their own.

## On The Town

# An Evening With "Theo" Bikel

by Steve Langley

Theodore "Theo" Bikel has been appearing twice nightly at the Beatnik "Cosmo Alley," with spot stops at the even more beat "Unicorn." In my opinion, this man is without exception the world's finest folksinger.

Bikel's latest recording of Israeli Folk Songs manages to portray all the feeling and fire of the music and, it seems to me, delivers the meaning of the songs to the listener—despite the obvious handicap of their being in the original language.

To listen to his records is a real pleasure; yet after seeing and hearing him in person you will never be quite satisfied with mere recordings again. Bikel's vitality and talent are reflected in his every action. To relax his fingers he strums a delicate piece of Flamenco; to relax his audience he gives a droll translation of a Russian ballad about a Colonel, a General, a handsome little Private, a pretty bar-maid, and who sleeps where.

Bikel's official show consists of several songs in as many languages, interspersed with back-chat and banter directed to his

Beatnik audience. His fingers jump and then flow over the strings of his guitar, releasing almost unbelievably beautiful sounds.

Through all this demonstration of talent Bikel remains no more than a relaxed member of the group—the center for the moment, but willing to share the

spot with any who would care to join him in presenting folk music.

One Monday about a week ago Bikel showed at the Unicorn and jammed with the local singer and a couple of cats from Hollywood for about three hours. The music played in this session was fifteen-dollar-a-ticket talent, free really appreciate.

## CAMPUS BREWINS

The Phlems had a party the other night. In fact, the Beak hears tell that it was a rather lively party, with strange murmuring sounds coming from corners et al. Strange murmuring noises like, "I'm hungry. In fact, I'm simply ravished!"

### Pen Pals

T. Owrillo was applying to Princeton in regards to a graduate law school. They sent him back a very nice letter:

Dear Mr. Owrillo:

In regard to your request for information concerning our graduate law school, we don't have one.

Sincerely, etc.

### Dampened Enthusiasm

K. Polswine arrived rather late. Seems he had been out trick-or-treating. With an empty glass. And he was rather clearly feeling no pain. But the Beak saw him attempt a bit of running; only Dengeberg's swimming pool just happened to be in the way.

Scene: Recent Phlem picnic. Action: D. Klipping playfully hits date on head with rock.

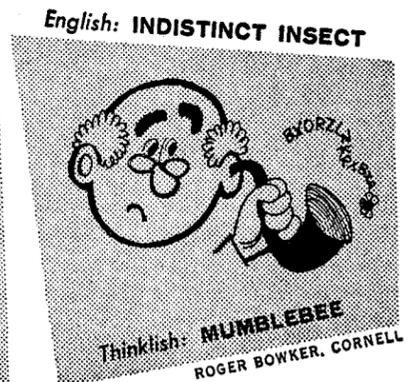
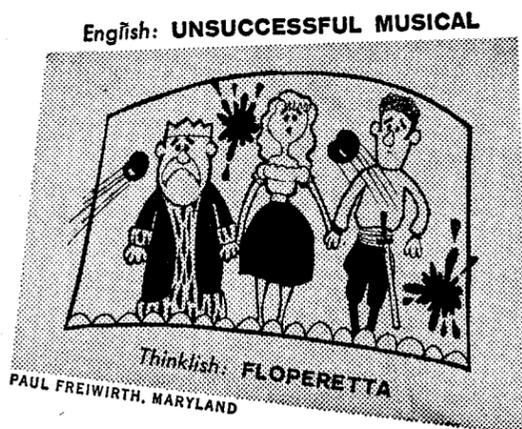
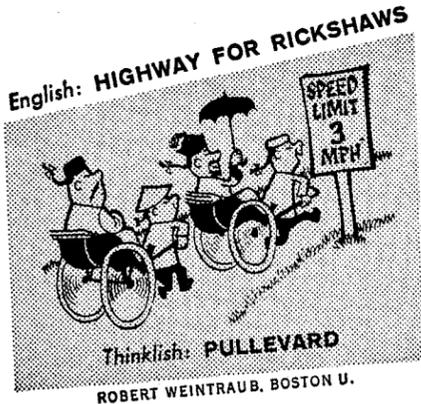
Date: (with anguish) I'm ruined!

Silence . . . Click, click. . .

Random Troll: I wouldn't admit to it if I were you.

Longer silence. Exeunt all.

# THINKLISH



## English: TOBACCONIST'S SHOP IN THE FROZEN NORTH



**Thinklish translation:** Shops above the Arctic Circle sell little more than ice skates, ice tongs and the world's coldest icebox cookies. So the (ice) field's wide open for a cigarette store—or cigloo. Up there, selling the honest taste of a Lucky Strike, you'll be snowed under with orders! Other brands get a very cold reception.

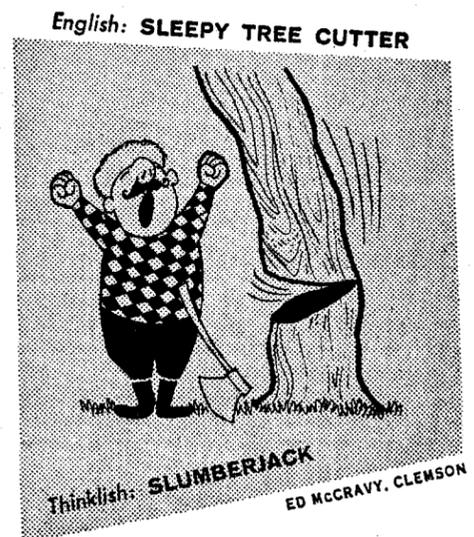
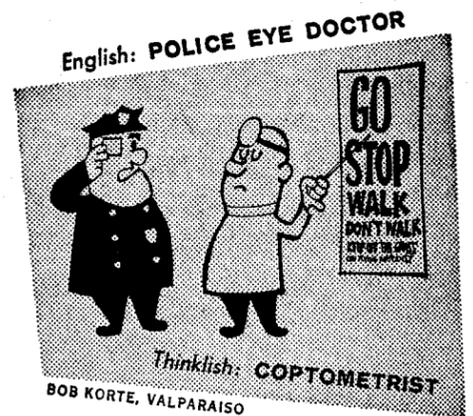
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Curtain Call

Sahl And Lehrer Will Make First Area Appearance Friday

by Larry McCombs

With Interhouse coming up this weekend, not many Techmen will be finding time to go theatering, which is rather a shame. There is quite a wide offering in local theaters.

Of major interest to the Tech iconoclast will be this Friday's appearance of Tom Lehrer and Mort Sahl at the Pasadena Civic Auditorium. Sahl and Lehrer have made quite a hit about Tech with their Lp's, but this is their first personal appearance in the Pasadena area.

At Pasadena Playhouse, the Ford Foundation Series of experimental plays continues with Death of a Salesman, scheduled for the West Balcony Theater on the 11th, 12th, and 13th. Although director and actors are different from those who presented Skin of Our Teeth last week the money is coming from the same source, and the same care and skill will probably be present in this production.

Tuesday night will see the

opening of Joseph Hayes' Desperate Hours, starring Sammy Davis, Jr., at the Hollywood Center Theatre.

Tonight is the only Los Angeles area performance of Leonard Bernstein's musical version of Voltaire's Candide. The performance at the L.A. Philharmonic Auditorium will star Martin Green, Robert Rounse-ler's View From the Bridge.

Now in its eighth month at the Players' Ring is Arthur Mil-ler's View Fro mthe Bridge.

Playing It Cool: Impress Your Date After The Party

by Boris and Griffen

In previous columns, the qual-ity of the wench has had no bear-ing upon your particular person-ality or actions. Now the de-cision must be made: is she worth saving or not?

If she is a complete skag with a person-ality to match, continue acting the same as you did at the



party, pleasant and interested, as you dump her off. (She isn't worth changing your personality for, but you might want to take out one of her friends—if she has any.)

If, perchance, your social chair-man has smiled upon you, and you lucked out with a winner, your play henceforth is very im-portant.



You now be-come nice, fa-therly and na-ive!! Your true self leaps forth in a great play of supreme

subtlety: you are like a priest at confession, very kind and under-standing. You must, above all things, radiate naivete. Your chances of scoring increase as the cube of your fatherliness.

By this time, you should have reached some place that you know is reasonably secure (such as your room or, better still,



Due to the fine response to our piece on the Trader's we thought it only fitting that we find a rather exotic cool one for this fine weather we have recently enjoyed. Our search was extremely short, our having had a favorite in mind for some time. Although a step out of the ordi-nary, it is simple to mix and of unsurpassed quality. It has the further distinction of having been one of the three winners in the Early Times national drink competition.

The Coconut Grove:

- 1 1/2 oz. Bourbon
1/2 oz. Curacao
1 oz. Lemon Juice
1/2 oz. Orange Juice
1/2 oz. Grenadine
1/2 oz. dark rum

Throw all the ingredients ex-cept the rum into a cocktail shaker with some cracked ice and shake like mad. Pour into a pilsner glass ice and all, and decorate with fruit. Mint goes very well. Float the rum on the top and let sit until frosted. Serve quickly with straws.

A hint to help you float liquor on a drink: Take a circle of plas-tic, glue a piece of a swizzle stick perpendicular to the plane of the circle and about in the middle, and pour the liquid gently down the handle to flow off the edges of the circle in the desired spot.

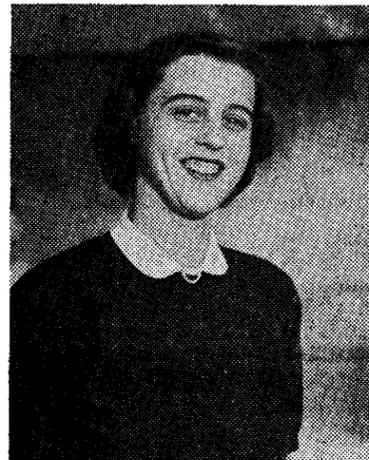
hers).

Say something like, "Say, uh, would you mind if I, er, kissed you?" Regardless of what she says, smile benevolently as you kiss her on the cheek. Suddenly you are swept away by the rap-ture of the moment and kiss her passionately on the neck. Apolo-gize profusely as you accidental-ly break the lamp with your elbow.

Need we say more?

Next week: The Creepy-Peepy.

The Fair Sec's



Martha Lindvall

by Griffen

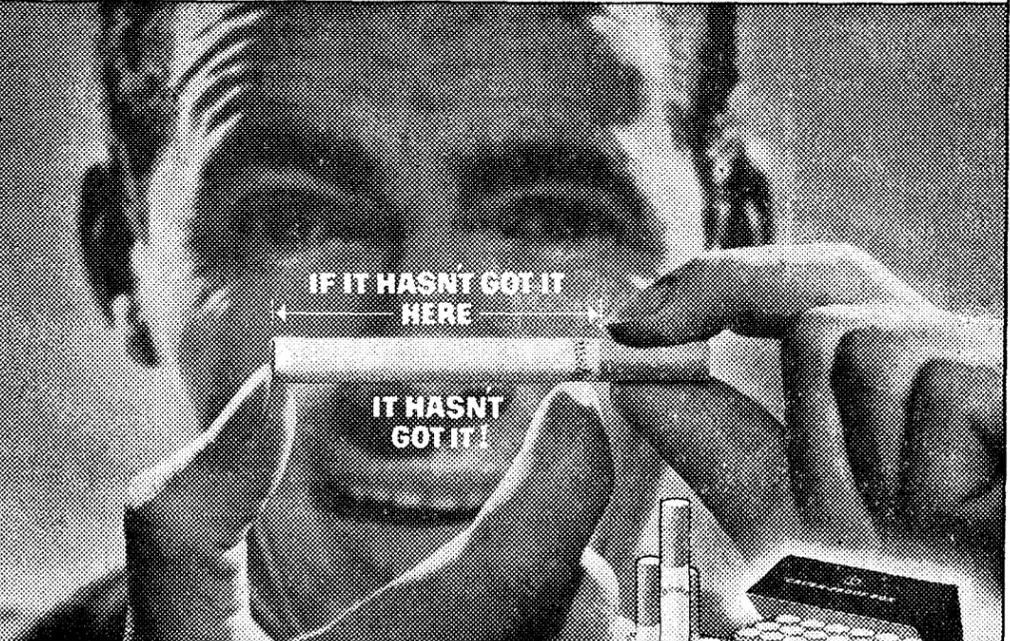
119 Throop—a name connected with intrigue, surreptitious in-formation, the Orient Express. What goes on behind the frosted glass door? What is the Gradu-ate Office being used as a front for? Who are those girls that sit smiling in the ante-room typ-ing on their harmless little Rem-ington Rands? What do they know that you, the student, do not know??

Let us look into the back-ground of one of these secreta-ries. Her name is Martha Lind-vall. A perfectly normal name; obviously a pseudonym for Ma-rina Lyndovnya, or some other such. A cover up. Her age is twenty-three. Clever make-up has probably been used to change an experienced international spy with hard, sharp features into the innocent, fresh young clean-cut American type that works here in the center of our top-secret development area.

Yes, she even has all the cre-dentials. Forged papers that say she graduated from Bryn Mawr College, Bryn Mawr, Pennsyl-vania. Surely, their agents could have picked a less all-American type college to use a cover up. But now comes the convincing evidence. Martha Lindvall (Ma-rina Lyndovnya) is extremely intelligent, and besides, she is not especially favorable toward undergraduate students. Why does she choose graduates?? Be-cause they are older and more worldly? Of course not! It is be-cause they carry more informa-tion which they might release under tension.

Poor, underprivileged, starved undergraduates, throw off your chains!! Meet this agent!! Show her that you have more; nay, much more information that you would hand out willingly under slight duress!

Advertisement for Winston cigarettes. Includes illustrations of a bell and a hand holding a cigarette. Text: 'A bell is to ring but without the clapper, you'd miss the whole idea of a bell... A cigarette is to smoke but without flavor—you miss the whole idea of smoking... When it comes to flavor It's what's up front that counts'



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# Atmosphere, Mood Billed At Taverns; Coventry and Handlebar Rated Tops

by Kirk Polson

The new school year has brought forth a whole new crop of seniors and with them they bring their state bar exam. Now, being fresh in this new world and already having tired of the corner of Wilson and Colorado, they may wish to seek out on their own some new places of rest, brew, and relaxation. We feel the new-born may need a small, guiding hand on their first few sallies.

Close at hand there is a small place with a rather interesting atmosphere. The Coventry up at 302 Foothill has a varying program. As a word of explanation Coventry is the Detroit of England. On Tuesday and Wednesday nights one can sit in the luxury of good foreign and domestic beers with part of the evening taken up with their regularly scheduled films of past Grand Prix races.

Some of these films are quite good and well worth taking in for an evening of enjoyment. On Friday and Saturday nites the Coventry sports a four or five piece jazz group which, although it isn't the most, at least is satisfactory. The crowd that seems to live there are mostly young people our age who are college students in their spare time.

### Handlebar Has Atmosphere

If you want to go further afield you can always buzz down to the Handlebar at 8919 Sunset Blvd., which is about

two doors up the street from the Unicorn. Sawdust on the floor and beer in pitchers are the order of the day.

They like college students there and seem to want some of the houses' mugs and seals on the wall. On Tuesday nights

they show old time flicks which are kind of fun with about 20 guys hissing the villain for all they are worth. Their college special comes on Wednesday night, when they serve a six mug pitcher of beer for one buck.

## Heard From The Wings

# Author's Novels Contrasted

We have near campus the newest of coffee houses. Just opened north of Dedrick's is a small neo-Unicorn pad known as "The Dragon's Wyck." Though the clientele probably will not include the artiste set, the management plans to include jazz, hot and cold, poetry reading and impromptu painting on the week's agenda.

### Gould Matures

I dug back into old Columbia LP's last week looking for a good example of style change on record. I found it in Glenn Gould's two big recordings: the Goldberg Bach Variations and the Bach First Concerto with Bernstein conducting. The maturing of style is really amazing. This is what one can expect from Van Cliburn also.

### Tidbits

As an introduction to a future long statement on "beat generation" literati, I should like to make a few preliminary statements about the contrast

of two of Kerouac's books, "The Subterraneans" and "On the Road."

In the former the author mentions the restrictions on style imposed by language and grammar and he manages to avoid them by getting lost in a flowing style. But in "On the Road", for some inexplicable reason the more popular of the two, he says nothing and does that badly.

One admires the almost poetic quality of literature such as Joyce's. Take the last phrase in "Ulysses" as a fine example:

... "And then I asked him with my eyes to ask again, Yes, and then he asked me, Yes, to say yes my mountain flowers, and I put my arms around him yes, so he could feel my breasts all perfume Yes, and Yes, I said Yes I said Yes."

"The Subterraneans" is similar but "On the Road" lacks practically everything. More of this anon.

## Pit and Paddock

# Race Termed 'Second Rate'

Last weekend the Sports Car Club of America showed quite evidently that it is now a second-rate force in West Coast road racing by its extremely poor showing at Palm Springs.

Some five thousand foolish spectators showed up to watch the poorest field of cars in many ears of racing. Not only are the big name drivers of modified machinery banned after the Riverside race of October 12, but also all the drivers of production cars that ran in that race are banded from the SCCA. As a result the only real entrants in the modified car race were Jack McAfee with an RS Porsche Spyder and Dick Morgenson in a three litre Testa Rossa Ferrari. McAfee won the races both days, with Morgenson second both days.

The weekend was supposed to be saved by a match race with several big name drivers entered, but only Carroll Shelby in a 4.5 Maserati and Max Balchowsky in his Buick special showed

up. Shelby finished an easy first with Balchowsky second, and an Austin-Healey 100S (!) third.

Next weekend the California Sports Car Club sponsors a race at Laguna Seca, near Monterey, featuring most of the drivers who are now banned from the SCCA. Lance Reventlow is taking his machinery; John von Neumann is taking a 4.1 Ferrari, with Richie Ginther in a 3.0 Testa Rossa Ferrari and perhaps even Phil Hill entered if he is back from Europe in time.

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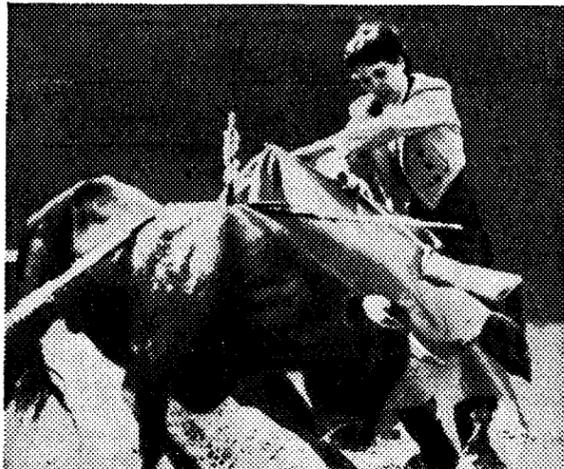
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# Sports

# Gridders Point For Victory; Favored Over Cal Western

## Off And Running To Open Harrier Year



Led by eventual winner Ward of Redlands, cross country runners depart on the two-mile course around Tournament Park in first meet of the season, won by Redlands 21-35. Beaver runners in white shirts from left to right are Wes Shanks, who finished sixth (the best for the var-

sity), Dennis Paull, eighth; Bob Juola, fifth, and Dick Tuft, second. Tuft and Juola, being frosh, didn't count in the standings, but were running with the varsity since Redlands failed to enter a complete frosh team.

## Poets Next On Polo Schedule

Friday afternoon the water-polo team will try to even their record with Whittier in the latter's pool. Caltech dropped their first match to the Poets, but threaten to give a real fight this time.

The following Monday P.C.C. will be here in lieu of the L.A. State game.

Last Friday Occidental defeated the Beavers 8 - 2. The trouble was essentially the same difficulty that has plagued the team thus far—lack of experience. Dave Tucker scored both of the Beaver's goals and as usual paced the squad through-out. Bob Ruby, the only other Caltech player with high school

experience, was also impressive.

The first quarter ended at a close 2-1, Oxy, but the Tech team seemingly tired and the fast swimming Tigers pulled ahead comfortably 5-1 at the half. The man-to-man defense employed at first was switched to the zone, but Oxy still managed to out-play the Tech team.

## Comparative Performances Lead to Highest Optimism

Caltech's football Beavers, now sporting a 1-4 season slate, clash with winless Cal Western Saturday afternoon on the TP gridiron with victory hopes high.

The Westerners have dropped five decisions with one deadlock with all five losses coming against common foes. The scores read: Redlands 41-0, Occidental 50-0, Pomona 34-6, UC at Riverside 29-18, and La Verne 34-7 and a stalemate with San Diego State frosh 7-7.

### Tech Won Last Year

In its third year of existence, Cal Western will field a small but heavy squad led by seven lettermen from last year's team which lost to CIT 46-19.

Running mostly from a spread T or unbalanced T, the Victors rely heavily on their passing attack, especially for large chunks of yardage.

### Two Fast Ends

The line is flanked by a pair of fast ends and is anchored by two veteran tackles, George Bjornstad, 205 pounds, and 225-pound Jim Cavin.

Rested by a respite from action last weekend, the Westerners should be up for this week's contest.

### Statistics

Caltech		Whittier
9	First downs	24
83	Rushing yardage	259
65	Passing yardage	194
148	Total offense	453
7	Fumbles	3

## Whittier Drops Beaver Eleven By 46-0 Margin

Whittier, class of the Southern California Conference, strengthened their claim on the loop crown by rumbling over hapless Tech, 46-0, on the Poets' turf last weekend.

Saturday afternoon the Beavers will tangle with Cal Western on the TP field. The Beavers go into the contest as slight favorites since the visitors have dropped decisions to Occidental and Riverside.

Tech had its ground game, which looked impressive against Riverside, stifled by the tough Poet forward wall. Only two deep penetrations into Whittier territory were put together by the Beavers but both met with failure.

### A Beaver Drive

Early in the second quarter  
(Continued on page 9)

## SCOREBOARD

### FOOTBALL

	W	L
Whittier .....	6	1
Redlands .....	6	1
Pomona .....	3	3
Caltech .....	1	4
*Oxy .....	1	4

\*tied Santa Barbara  
Games this week:  
Oxy at Redlands  
Cal Western at Caltech  
Whittier at Pomona



s'Gravesande's Stoomwagen

### s'Gravesande's Steam Reaction Car

In 1721 Jacob Willem s'Gravesande of Delft, stimulated by the recently enunciated Third Law of Motion, astounded the Royal Society by constructing a practical steam reaction car. The vehicle actually moved several times its own length, a distance of about two meters.

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AS I SEE IT

# Upsets Hit 'Grid Machines'

by Russ Pitzer

This year college football seems to be having an increase in the number of upsets and near upsets. Ever since the two platoon system was thrown out, there has been a marked change for the teams to become less mechanical and more human—that is, possessed of the ability to be inspired and to become disorganized.

After the initial change which followed the establishment of limited substitution, there seems to be another big chance this year. In the days of two platoon football, there were always several "machines" that finished

## Frosh Lose Too; Will Try Bulldogs Next

Frosh dreams for a winning campaign were trampled on the TP turf last week-end by Whittier, who whipped the little Beavers by 34-6.

The losers are not conceded much of a chance against powerful Redlands who have not been scored upon this year and who will furnish the opposition Nov. 15.

Going to the dressing rooms at intermission with a 6-6 deadlock on the scoreboard, the frosh tired in the final half.

Whittier scored first in the initial period but failed on the extra point when John Denyes blocked the placement attempt.

The hosts had an opportunity to knot the score in the waning minutes of the first quarter when a recovered fumble and hard running brought the Techmen inside the Whittier five-yard line but a quarterback-sneak by Frank Marshall was halted inches short of the end zone.

A few moments later, a Denyes punt was bobbled by the Whittier receiver downfield and picked up by Evan Hughes on the Whittier 40. Sparking the offensive, Vince Haskell climaxed the march by blasting over from the five to net the score. Williams' try for the extra point by placement was blocked.

Immediately after halftime, Whittier drove down to the Tech 10. On fourth down, with about 10 to go for a first down, a Tech player committed a personal foul which gave Whittier a first down and eventually the winning touchdown.

## Sailors Prepare For Oxy Meet

The Beaver sailors are looking forward to the Oxy invitational regatta Sunday, hoping to redeem defeats at the Santa Barbara regatta last weekend, especially if ace skipper Doug Stewart returns to competition.

The Sailing Club announces that the regular series of sailing lessons will be resumed next Thursday.

the season with perfect records, yet here it is halfway through the season and all the top teams have been beaten or tied.

**LAST WEEKEND** two Big Ten teams traditionally on the bottom of the loop came through with upsets. Northwestern, who had also previously upset Michigan State, beat Ohio State 21-0 and Indiana beat Minnesota 6-0. Another surprise last weekend was when Syracuse defeated Pittsburgh 16 to 13.

Other major reversals earlier this season occurred when the Air Force tied Iowa, Pitt tied Army and Texas beat Oklahoma.

**THE REASON** for the upswing in the number of upsets this year is something I can't explain. All I can say is that I'm quite sure it isn't due to the rule changes effective this year concerning offensive blocking with only one arm nor the two point run, one point kick extra points.

On the local scene last week Pomona won 27-24 over Sacramento State, a team which had previously beaten Whittier, and Occidental after taking a 40-14 beating the week before from Whittier, tied Santa Barbara whom Whittier had barely eased by, 7-6.

**THE WINNER** of the Whittier-Redlands game on November 22 will undoubtedly be the SCC champion. Comparing the two teams from the games they played against Caltech, I would pick Redlands as the better team. Both teams had luck they didn't need, but Redlands seemed to have a better line and better running backs.

## Lose To Whittier As Attack Stalls

(Continued from page 8)

the Beavers marched 67 yards to the Whittier six-yard stripe spearheaded by the running of Gustafson and Hood. With a first-and-ten situation, Holland flipped a pass which was picked off by Whittier's Vedova who sprinted 99 yards for the third Poet score.

The only other serious Tech threat occurred midway through the final quarter with a 47-yard drive culminating on the Whittier eight-yard line where the Beavers ran out of downs. Walsh, who topped the passing column for the losers, connected with Newman for three passes to spark the drive.

### But Poets Take Lead

Whittier piled up a commanding 25-0 lead at halftime and increased it by 21 points in the final quarter.

Top ground-gainer for the Beavers was again pile-driving fullback Gustafson who blasted for 56 yards in 14 carries. The Beavers made only nine first downs against Whittier's 24.

### Campbell Big Gun

Gary Campbell, conference total offense leader, was responsible for 198 yards of Whittier's 453 total yardage. Campbell, in throwing for three touchdowns, hit on 11 out of 19 passes for 171 yards.



Beaver back turning end is about to be hit by one of Whittier's host of strong defenders in 46-0 loss to the Poets last Saturday. Tech ground attack which had rolled consistently against Riverside the previous week failed to dent Whittier forward wall.

## Soccer Team Favored for Pomona Game

The winningest team at Caltech, the soccer varsity, travels to Pomona this Saturday in quest of a victory over the Sagehens. The powerful Tech team rates as a pre-game favorite.

Last Saturday the Beavers invaded U.C.L.A., but the big school proved to have too much talent in defeating the locals rather handily 5-0. Tech played a good game for the first half and were only trailing by 1-0 at the intermission.

The second half started well, too, but after about ten minutes, U.C.L.A. added another goal. This score effectively broke the contest open, and hereafter the game was all U.C.L.A.

Tech demonstrated a fine running game, but tired to let the superior passing and teamwork of the Bruins triumph.

Glenn Converse played outstandingly at center half, plugging up the middle time after time. Larry Tenn also played well at left wing.



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## Houses Rush Decorations

(Continued from page 1)

Night on Bald Mountain," will be represented by a pastoral scene in the Ricketts courtyard. The decorations will follow the same lines as Walt Disney's interpretation of the Moussorgsky symphonic tone poem seen in the movie Fantasia. A giant demon will overlook the scene of surrealistic mountains, a feudal castle and a graveyard. "A Night on Bald Mountain" will be played in the background to provide atmosphere. The Ricketts lounge will provide a special surprise, the plans for which are now under strict secrecy.

At Throop Club, Cleopatra will reign again as pre-Aswan-High-Dam Egypt will be the theme. A monstrous pyramid, built to rival last year's Eiffel Tower, and the interior of an ancient temple will decorate Throop.

## THIS WEEK

**FRI., NOVEMBER 7** — Friday Evening Demonstration Lecture, "Electrical Potentials from the Brain," Dr. Johannes P. Schade, 201 Bridge, 7:30 p.m.

**SAT., NOVEMBER 8** — "Next Hundred Years" TV series, "Facts for a Friendly Frankenstein," Dr. Ray Owen, KRCA, Ch. 4, 6 p.m.

## YMCA Group To Plan Conant Visit

Anyone interested in serving on the YMCA Leaders of America committee which will plan the visit of Dr. James B. Conant to our campus January 12-15 should contact Al Carlin (Blacker) or leave his name in the Y office before noon, Monday, November 10.

## Bacher Advises Delegation As Geneva Talks Begin

Dr. Robert F. Bacher, Chairman of the Division of Physics, Mathematics and Astronomy, left last week for Geneva for the resumption of international talks on banning nuclear tests.

Bacher, a member of the President's Science Advisory Committee and former member of the Atomic Energy Commission, will be chief deputy to Ambassador James J. Wadsworth, deputy UN representative who will head the United States delegation.

President Eisenhower has renewed his call to Russia to join United States and Britain in suspending atomic tests for a year after the discussions started last Friday.

Bacher, who will serve as Ambassador Wadsworth's scientific advisor, was a member of an international group of scientists who met in Geneva July 1 to

Aug. 21 to work out technical problems involving an international inspection program so that a nuclear test ban could be enforced.

## Beauties Vie

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day afternoon final elections will be held to determine the winner, who will be announced during halftime ceremonies at the Oxy game. The remaining finalists will serve as attendants to the queen.

After the game, the queen will reign over the annual Homecoming Dance, to be held in the courtyard between Ricketts and Fleming Houses.

Semi-final elections, to be held Friday afternoon, will be run according to usual procedure.

## Caltech Radio Telescope 'World's Best'

Caltech recently mounted the world's most versatile radio telescope, financed by the Office of Naval Research, in the Owen's Valley, about 250 miles north of Pasadena. Mounted on a 45-foot high pedestal, the telescope will listen to radio transmissions from distant stars.

The telescope was built to anticipate the needs of astronomers during the next ten years and therefore was made extremely flexible, according to Dr. Bruce Rule, co-designer of the Palomar optical telescope, who was instrumental in the building of the new radio telescope.

The telescope was built in the Owens Desert because the high mountains surrounding the area will protect the instrument from extraneous radio impulses from sources on the earth.

## Finnish Art Works Shown In Dabney

The second in the current series of art exhibits at Caltech will be open to the public in the lounge of Dabney Hall, November 3-21.

The exhibition will consist of art objects in silver and plywood by Tapio Wirkkala, ceramic plaques by his wife Rut Bryk, and handwoven rugs of contemporary design by Eva Brummer.

The works of Wirkkala and Bryk, two of Finland's finest and best known craftsmen, are circulated by the Smithsonian Institute in Washington, while the works of Eva Brummer have been lent by the Contempo Galleries of Westwood.

The local exhibit is sponsored jointly by the Caltech Humanities Division and the Finlandia Foundation.

## Baxter Gives Chem Award

For the fourth successive year Don Baxter, Inc., has made a grant that will be used to award two prizes, of \$125 and \$75 to undergraduates engaged in research in chemistry.

To compete for the prizes a student in the Chemistry or Applied Chemistry option is to submit a research report by Monday, May 25, 1959, describing an original piece of research performed by him. This report is to be prepared independently by the student, without editing by a staff member, and is to describe the research and its significance in clear, concise language and with discrimination as to what is essential in scientific reports. A student may enter the competition even though the research he is doing is not yet completed.

Judging will be done by a committee appointed by the Chairman of the Division. The basis of judgment will be the quality of the report, and the ability, initiative, and promise for future development which the student has manifested in this work.

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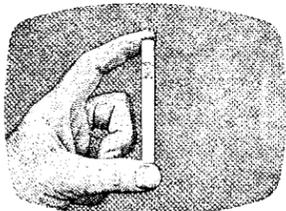
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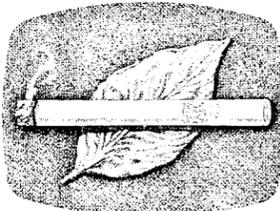
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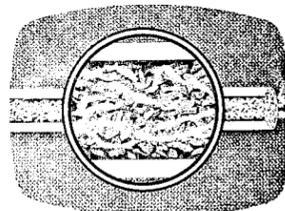
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