

# Dr. Harold Brown Now Officially Caltech President

Dr. Harold Brown officially took over Monday as president of Caltech.

The 41-year-old scientist-administrator has completed his work in Washington, D.C., as Secretary of the Air Force under the Johnson administration and has moved to Pasadena to succeed Dr. Lee A. DuBridge.

After 22 years as Caltech's president, Dr. DuBridge retired Jan. 15 to become science adviser to President Nixon. During the changeover, Dr. Robert Bacher, Caltech provost, had served as acting president of the Institute.

Regarding his new position,

Dr. Brown stated:

"Because our future is so vitally dependent on the quality of higher education and the interaction between the university and our society, I look forward to the challenge of life and work at Caltech.

#### Short and Long of It

"The nature of America is shaped both in the short run and the long run by our universities. The managers, the operators, the leaders, and the critics of America virtually all are trained in its institutions of higher learning.

"The scientists and engineers, on whose quality and numbers

depend our economic level, our national security, and the quality of our national life, are the products of our universities. The evolution of our national thought and our national goals is largely determined there."

#### Third Physicist

Dr. Brown is the third chief executive of modern Caltech. All have been physicists. Nobel laureate Robert A. Millikan, with the title of chairman of the executive council (he declined to be called president), led Caltech to eminence as a teaching and research institution from 1921 to 1946. The Institute's growth

and accomplishments were further accelerated during Dr. DuBridge's tenure as president from 1946 to Jan. 15, 1969.

Dr. Brown brings to Caltech broad experience as a scientist, public servant, and administrator. He served the Department of Defense the past eight years in various capacities, and before that spent 10 years on the staff of the Radiation Laboratory of the University of California, Berkeley. He became director of the laboratory's Livermore branch.

#### Air Force Secretary

Prior to being named (in 1965

by President Johnson) as Secretary of the Air Force, Dr. Brown had been appointed in 1961 by President Kennedy as Director of Defense Research and Engineering. Among his government assignments was that of senior science adviser to the conference for discontinuance of nuclear tests.

Born in New York City, Dr. Brown graduated from Columbia University at the age of 17 and obtained his Ph.D. in physics there at the age of 21.

Dr. Brown and his wife Colene have two daughters, Deborah, 13, and Ellen, 11.

What  
Is a TECH  
Position?

# California Tech

Associated Students of the California Institute of Technology

Consult  
Your  
Kama Sutra

Volume LXX

Pasadena, California, Thursday, February 20, 1969

Number 18



Black SRA's meet—Ten Black students from Southern colleges are living on the Caltech campus. More students are coming next term. L. to R.: Clarence Allen, Jr., Lois Davis, Patsy Williams, Melvin Parker, Teresita Dorsey, Bill Hocker (Tech), Diane Snyper, Ernie Roberson. Seated on floor: William Robinson.

## Anti-Interpopulationism Lives!

by Marc Aaronson

Many students have long felt the need for greater interaction between our campus and other schools in the Southern California area which offer different types of education. Several months ago ASCIT President's Staff went to work on this idea and sent letters to various girls' liberal arts colleges testing them on the idea of an exchange. Scripps, one of the Claremont Colleges, reacted very favorably to the proposal, and for the past several weeks students at both campuses have been organizing the Caltech-Scripps Exchange.

Marc Aaronson, a freshman at Tech and coordinator of the Exchange program, says that "the basic idea of the Exchange is to send fifty or more Caltech students to Scripps where they would live in the dorms, attend classes, and gain a better understanding of a totally different educational environment. Similarly, an equal number of girls would come to Tech, live in our houses and attend our classes. Each house has already set aside an alley in which to room the girls, and we can presently accommodate well over eighty of them."

Plans call for an escort to be assigned to each girl. His job would be to initiate her to Tech life and guide her to his classes for the first day of her stay. She would then be able to attend those classes which she found most interesting. The Exchange would be held from a Wednesday to a Sunday, and Aaronson

hopes to see such activities as a social event, a touch football game, and various student-faculty "bull sessions" organized.

The Exchange was originally scheduled for late February. However, shortly before sign-up lists were to be distributed, the Scripps administration decided that they needed more time to consider the program. Says Aaronson, "The President of Scripps would like to discuss the Exchange with his Board of

Trustees. It seems they are very touchy about the idea of breaking the precedent of not allowing guys to sleep in their dorms. A decision might not be reached for another month, so the Exchange will probably have to be postponed to the beginning of third term."

If the Scripps Administration gives the go-ahead, the Caltech-Scripps Exchange could prove to be a most educationally and socially rewarding experience for all those participating.

## 1200 High Schoolers To Invade Caltech

The Faculty Committee on Relations with Secondary Schools, a corresponding student committee, and over sixty exhibitors have been working since last fall in preparation for next Saturday, the nineteenth annual Students' Day. Starting at 9:15 a.m., 1200 high school students and 200 faculty and counsellors will each see six exhibits before breaking for lunch.

The students will eat in the seven houses, where the food service will rise to a challenge of feeding 1700 people in one day. For the first time, the faculty will be given the chance to skip the last exhibit of the morning and attend a reception in the Athenaeum. This will give the high school faculty and counsellors a chance to find out more about Tech, and the Faculty

Committee more about high schools. The exhibitors will then join the faculty for lunch, which will be followed by a talk by Dr. Robert Sharp.

The Glee Club will lead off the afternoon program in Beckman. President Harold Brown, in one of his first official appearances, will speak on "Science and Technology as a Profession." "Extra-Terrestrial Soils" will be discussed by Dr. Ronald Scott, and Dr. James Bonner will complete the program answering the question "What's Exciting About Biology?"

Mr. Charles Newton, faculty chairman, and Dale Paynter, student chairman, are kept under the impression that they know what is going on by the real power behind Students' Day, Mrs. Muriel Williams, Mr. Newton's secretary.

## Horner New Prexy; Runoff Results Today

by Kevin Savage

Stephen Horner was elected ASCIT President by a small majority but a rather large plurality of the votes in the run-off election on Tuesday. The "Change ASCIT" vote was evenly split between Beagle and Wilzbach, threatening a possible second run-off election until the off-campus ballots wrapped it up for Horner. Due to a voting irregularity, Ricketts House did not vote until dinner time, but by then the race had been determined. Horner finished 138 votes ahead of his nearest opponent. This seems to represent a vote of confidence in the old BOD and in its creation, the ARC, as Horner was the only candidate left in the run-off who was, justly or unjustly, associated with the Research Center.

#### Savage, You Get

In spite of the lack of inspiring candidates, this race for President was one of the most hotly contested and in-doubt elections of ASCIT history. Even so, the Editors of the Tech seemed to have a good record as usual in picking the winners of the election. Surprisingly enough, they picked Szolovits and Hornbuckle, who happened to be running unopposed for the offices of President of Vice and Secretary, respectively. Bob Fisher is the new BOC Secretary. He also ran unopposed.

Two out of three editors did not pick Bill Bradley as social chairman, even though he was running only against a small write-in campaign against somebody named NO!, whoever he is. The editors split their guess on Athletic Manager, one editor choosing each of the two teams and the third editor choosing none of the above. Morgan and Ault won handily on the first ballot, carrying each house, the glee club, and the off campus votes with a majority of each. Even though the Fleming Team

started with a 12½ to 1 advantage, all three editors correctly predicted a victory for their successors, Ira Moskatel and Craig Sarazin.

#### The Mike Meo

This streak of good guessing extended itself to picking Creasy for IHC Chairman and Marc Aaronson for Director of Student Life, whatever that may be. There were 154 incredible votes for LANGILL. Feinberg narrowly.

(Continued on page 3)

## TECH Positions Open for Staff, Managing Editor

The **California Tech** needs staff members to fill positions as writers, artists, and photographers. Also open is the post of Managing Editor.

As writers for the **Tech**, Caltech students have the opportunity to meet and talk with Caltech faculty and key administrators as well as some of the most prominent scientists, artists, and leaders appearing regularly on the Caltech campus.

Tech writers also have the opportunity to attend and review the many theatrical performances and sports activities to which the **Tech** receives complimentary tickets.

The managing editor is responsible for the layout and coordination of the paper. Although he need have little or no previous experience, the managing editor will be chosen on his ability to set up a page from the stories, headlines, and photographs.

All those interested in working on the **Tech** as staff or managing editor should contact Ira Moskatel, Ruddock; Craig Sarazin, Page; or should pick up an application form from Mrs. Louise Hood in the Winnett Center Office.

## Does She Or Doesn't She?

You'll never know until you bring her to the PARTY--PARTY. It begins at 8:30 p.m. on Saturday, March 1, in Culbertson. You get her there and we'll supply THE ANSWER.

For more info see your house social chairman or Bill Bradley. Event co-sponsored by ASCIT and the Houses.

## Editorial

## Like It Will Be, Man

In the upcoming weeks Caltech and its student body will see many changes. New ASCIT officers are being installed and key positions in the administration are being shifted and restructured in light of the arrival Monday of Dr. Harold Brown as President of Caltech. These two reporters take office as editors while many dynamic changes may be taking place in the face of the Institute. We believe that this newspaper can serve a major function in informing the student body of the nature and methods of operation of the new administration.

The **California Tech** will see increased feature coverage of activities on campus. We will try to carry an interview each week with a different key member of the faculty or administration, such as John Healy's interview with Dr. Lyman Bonner in today's issue. Similar coverage will be given to student leaders as well.

The **California Tech** has been a member of the United States Student Press Association and a subscriber to the College Press Service. Using these and personal exchanges with other college newspapers, the writers of the **Tech** will cover critical events on college campuses throughout the nation. A current example is the story being planned on the newspaper censorship issue at the University of Wisconsin at Madison.

The **California Tech** firmly believes that a college newspaper can be a forum of ideas, but neither do we want it to be a gathering place for destructive complaints about the campus. Not only do we wish to see what is wrong with the university, but we also wish to see suggestions and possible solutions in the form of letter and guest columns to the **Tech**. There will always be a place in every issue for letters. We also want to see more Teckers write stories and take significant stands on subjects relevant to the entire campus community.

The **California Tech** is watching closely the coming changes and extends its pages in support of the new President and his staff, and the student body officers. We ask the student body for its support in the form of active and critical involvement.

Ira Moskatel  
Craig Sarazin

## Coming Soon: Synthetic Genes By Har Khorana

Steps on the way to creative living things from laboratory chemicals were discussed Thursday night by Dr. Har Gobind Khorana, Nobel Laureate and Caltech's first Edwin R. Buchman Memorial Lecturer.

Khorana described how near man may be to realizing one of the ultimate goals of science—the construction of living things artificially in the laboratory.

Khorana shares science's top prize for his major contributions toward making this dream come true. He helped solve the genetic code by synthesizing short, biologically active chains of DNA with known sequences of bases. Khorana explained how short chains of nucleic acids are synthesized in the laboratory, how such chains are hooked together, and how researchers are using these steps in their attempts to manufacture genes artificially.

"First, we made short chains of 10 to 20 nucleotide units," he said. "After this step we began work on the genetic code, using new discoveries in enzyme research to produce RNA molecules from raw materials.

"Our third phase, which is an extension of the earlier work, is aimed at synthesizing genes. Genes are normally very long chains of thousands of nucleotide units, but there are some shorter ones that synthesize a variety of RNA called transfer RNA. We want to synthesize these molecules as a step in making any kind of gene."

Khorana makes the short chains of nucleotides and combines them into longer chains through a process called base pairing. He has discovered that the chains of DNA (deoxyribo-

nucleic acid) have what he calls a "sticky end," where another chain can be attached by base pairing.

## Letters

## News Of Special Grad Deferment

About three months ago members of the Yale Law School found that the Selective Service Law did not prohibit the granting of a ISIC deferment for a second-year graduate student who was then holding a IIS deferment.

On this basis a second-year law student at the University of Texas filed suit in U. S. District Court in San Antonio. The suit is entitled Armandariz vs. Hersh. It was filed as a "class-suit" which means that any ruling is a precedent for all similar cases.

On January 27, 1969, Judge Jack Roberts of the U.S. District Court found in favor of the plaintiff.

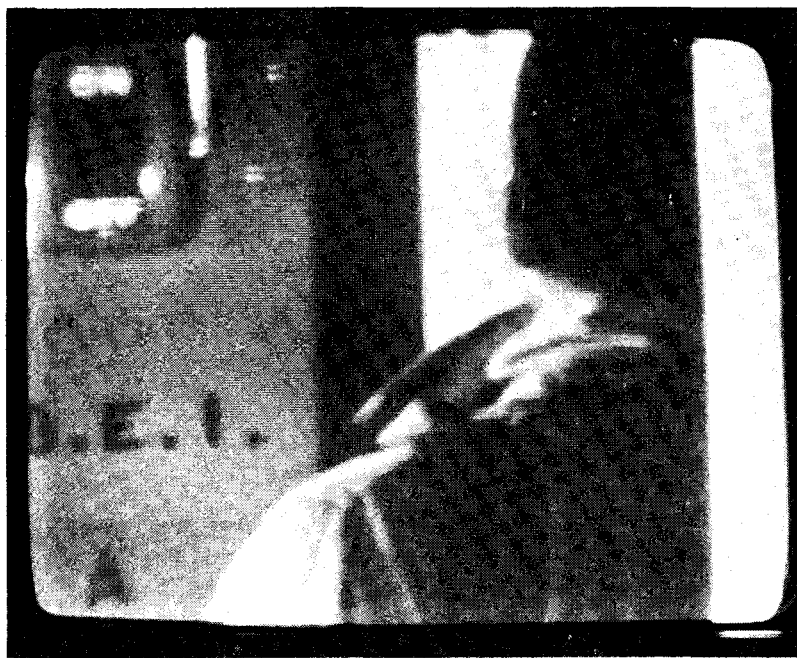
The result of this ruling is that any second-year graduate student is entitled to a pre-induction judicial review for the purpose of obtaining a IS-C classification to the end of the current academic year. The request for this review must be filed by a lawyer.

It is essential that your second-year (not first-year) graduate students whose IIS classifications have expired or are about to expire are aware of their rights. Time is of the essence; after induction it will be too late.

Gustave O. Art  
President

## Millikan Impossible

## DEI Gives I.M. the Shaft



—Photo by Ctein

When in Pasadena, eat at Dabney's.

## Kipnis Mimers Shout Silently

by Jim Cooper

The sounds of silence invaded Beckman Auditorium Friday night as the Kipnis Mime Theater presented "Men and Dreams," a mime show created and performed by Claude Kipnis, to an appreciative audience. Kipnis and the two other performing members of his troupe, Rita Hachtmann and Rudy Benda, left no doubt that not only can silent communication work, but that at times it can be far more effective than the spoken word.

Kipnis, who studied with Marceau, showed that the only reason his name is somewhat less well known in this country than is Marceau's, is not a question of talent but merely one of exposure.

Kipnis' ability to communicate went far beyond merely making an audience laugh—which he was able to do exceedingly well—but extend to stirring deeper emotions in the audience with his communication of the pathos and tragedy of such characters as a drunkard and a young hood.

Kipnis' assistants made the changing of the sets for the various vignettes fairly entertaining, as well as performing in a scene

all their own.

Background music for the program was very effective. The music was written by Israeli composer Noam Sheriff, and performed via stereo tape by the Israeli Philharmonic Orchestra.

The evening was certainly a worthwhile one, and it bore out the statement made by Kipnis on the program notes concerning the art of pantomime: "The mood is slowly defined. The mime speaks—a language simple, powerful, and universal."

## Notices

## DEATH USES VON GOOM'S GAMBIT

See the chess game of all time in Bergman's Seventh Seal, Saturday at 8 p.m. in Culbertson. Special feature added to show—**Why Man Creates**. Only \$1.07 Canadian (one buck, U.S.).

## RADIO CLUB AUCTION

Sat., Feb. 22 Clubroom 1—many choice items will go very cheaply. Doors open 1 p.m., sale starts 1:30. Auction your own stuff — 10% club fee. For more, contact Al Christians (RU) or Ken Heitner (M-J).

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## What? "America Hurrah"

by Jean-Claude Van Itallie

at the

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by Nick Smith

Last Sunday night, the Impossible Missions Force stole the plutonium out of a privately owned hydrogen bomb. What made this episode a little different was that they stole the bomb from our own Millikan Library. (I'll bet all of you people trolling on the fourth floor never even noticed.) Yes, this was the great Caltech episode of **Mission Impossible**, with parts of our campus used for the location work. Of course, we didn't get mentioned in the credits, but the location was easily recognizable. Besides, all of the Russian secret agents knew what it was because of all the DEI's, so it wasn't a total waste. Now, how many of you out there noticed any DEI labels anywhere in the episode? Good. Now, how many were visible on the show, and where were they on campus? Answers may appear someday.

## Stolen H-Bar

Aestheticnesswise, it wasn't really one of the best episodes of the show. Even though they were trying to be realistic, it was one of those episodes that could have been a horror story of the same type as **Fail-Safe**. The idea of an auction for immediate delivery (complete with tax and license) for only a few million dollars, of a **hydrogen bomb** is very frightening. This is especially frightening at Tech, where many room stacks involve more technical work than that needed for the construction of a bomb.

One major fault that some people, including myself, found was that the camera dwelt too heavily on the elevator shafts. (Although this might be of help to a few Teckers for stunts.) I mean who ever heard of a TV show needing filler? Anyway, it was a pretty good episode. By the way, did anyone figure out what the IMF did with that plutonium? So that's where they get all their money.

## California Tech

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"Shut It Down!" — Huttenback's Revolution.

## Aunts and Uncles?

# Bonner Links Faculty, Students

by John Healy

What does communication between administrative officers and students mean?—what structure should be set up, what contacts should be made, and what should be the form of the information-transfer. This is a question which was raised in an interview with Dr. Lyman Bonner, director of student relations at Caltech.



—Photo by Dash

## Horner Pres.

(Continued from page 1)

ly missed a majority on the first ballot for the office of Director of Academic Affairs. He won by better than a two-to-one majority over his opponent in the runoff, Berto Kaufman.

### Editorializing Award

The Director at Large race is still hotly contested at this time. This is the only race to go into a second run-off. On the first ballot, Spain barely got a majority, but there were a significantly large number of votes cast than there were signatures collected, so the race was ruled a four-way run-off on the assumption of majority for any candidate. Post and Westerman failed to get enough votes to qualify for the run-off, leaving Break-

stone, Clark, Stormo, and Spain in the race. As on the first ballot, Stormo was the only candidate who polled at all well among each of the houses and off-campus voters. He easily won a majority, with the nearest candidate 82 votes behind. According to run-off regulations, the next highest two candidates were chosen for a run-off election to be held Wednesday, after the Tech goes to press.

It is impossible at this time to predict who will win, for several reasons. Lloyd House, which went solidly for Clark and gave secondary support to Stormo, will now find both of its candidates out of the race. Neither Sprin nor Stormo has shown appreciable strength in Lloyd. This house may hold the key to the election.

Bonner's position was created last December as a result of the recommendation by a faculty committee that a senior faculty post should be formed to improve communications. The need for such a post was long known. Many standing committees dealing with student activities had no student representation. Bonner will act as a coordinator for these activities. He cites the selection of the new dean of students, Dr. Robert Huttenback, and associate dean of students, Dr. David Wood, as well as the search for a new master of student houses, as involvement of his office in student affairs.

Bonner has yet to fully devote himself to his new job. The responsibilities of his former position as assistant to the president (which he held since February, 1967) still remain; these duties include: 1) doing odds and ends that the president needs support on, such as studies, reports, and relations with the trustees, donors, and faculty; 2) acting as a representative for Caltech with federal granting agencies, and 3) acting as facilities coordinator for construction projects, including new buildings and the re-use of old.

### Student representation

Bonner views himself as a student representative — defending

### Bonner works on student kin.

student interests with higher administrative officials, and communicating and interpreting school policies to students. He is now setting up lines of communication and becoming familiar with the activities of student-orientated committees. He is eager for advice from students on how to improve communications. How, for example, should the members of committees report to the rest of the faculty and students? There is a lot of information available, but few are aware of it.

A news bureau release states: "The director of student relations will be given prime responsibility for maintaining and promoting good communications and good relations among students, faculty, and administration and trustees," said Caltech President Lee A. DuBridge in explaining the purpose of the new position.

"Dr. Bonner, a Caltech alumnus, will maintain liaison between students and faculty and will coordinate the efforts of the student deans, the master of the student houses, and other officers responsible for student-related activities."

And a letter from Dr. DuBridge to outgoing ASCIT president Joe Rhodes further emphasizes the director's function: "I now urge you and all other officers of ASCIT, and the officers of other student organizations, to remain in close contact with Dr. Bonner, to express to him your ideas and hopes for the improvement of student relations at the Institute, and to keep him fully informed of activities which student or-

ganizations wish to undertake, particularly those involving the Institute as a whole or involving relations with outside organizations and agencies, including foundations and the government . . . I earnestly request the full cooperation of the entire student body with Dr. Bonner as he undertakes his important new duties."

### Let us work together

I received the impression that both sides of the college conflict are working towards the same goal. The administration is progressive, but prevailing academic myths sometimes produce misunderstanding and resignation. Futile complaining must be channeled; the director of student relations is now an accepted, known line of communications.

The faculty-student communications difficulty is really a people-problem. Are faculty welcome in student circles? Are students welcome in faculty circles? This "apartheid" quality of human nature—where two poles perpetuate their "enemy"—causes the present unrest on many campuses. But what is the appropriateness of a greater student-faculty integration? Bonner, for one, feels that his walking into a student house would be an intrusion; but he would gladly accept an invitation to a meal. We tend not only to associate with people having interests similar to ours, but with those who are in our age-group. So a "formal" structure must be used as a link between groups.

There is a growing respect be-

(Continued on page 6)

## Kirk Douglas in THE BROTHERHOOD

and Michael York in STRANGE AFFAIR

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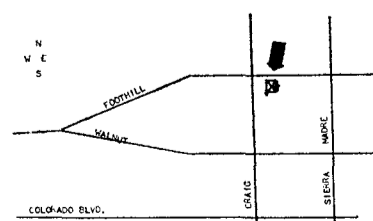
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## Into the Incinerator

# Barrel Writes College Boards

by Jim Cooper

(Columnist's Note to Cal Tech readers: Ah yes, gentle readers, it is that time of year again when hoards of thrill-seeking high school kiddies invade our placid campus to turn themselves on with what we do here.

Following the year-old tradition of this newspaper, the staff of Cooper, Inc., have once again prepared a special column designed for the high school student only. Teckers need read no further.)

Greetings and salutations from your friendly neighborhood columnist to all of you effervescent, happy, unspoiled high school students. Although the purpose of your presence here is by no means to influence your choice of a college, many of you are undoubtedly considering Caltech as one of your choices. Since I wish to be known as a friendly, helpful columnist, I have prepared the second annual version of a quiz entitled, "Is Tech for You?"

Although Caltech is presently a men's college, recent revisions in the Institute's admissions policy will mean that in the not-too-distant future Caltech will admit women undergraduates as well. Thus, I have also prepared a special section of the quiz exclusively for female high school students.

There is no time limit to the quiz, nor do you need a pen or pencil. Section I of the quiz is

for males only, and Section II of the quiz is for females only. Each question is to be answered "yes" or "no." Prepare yourself. We are about to begin.

\* \* \*

**SECTION I:** 1.) Are you a male? (If you answered "no" to this question, you are in the wrong section and should immediately go to Section II. If you answered "undecided" to this question, you are in the wrong section and should immediately go to the Genetic Oddities Section of the Biology Division.)

2.) Do you enjoy taking showers? 3.) Is your favorite piece of classical music Wagner's "Ride of the Valkyries"? 4.) Do you think hamburgers for lunch every day would be wonderful? 5.) Do you think the word "waser" stands for a new method of wave amplification by the stimulated emission of radiation? 6.) Do you think three significant figures in chemistry lab are plenty?

7.) Do you think an ARC is a segment of a curve? 8.) Do you think "ARF" is a sound a big friendly dog makes? 9.) Do you think an SRA is some kind of college entrance examination? 10.) Do you think the word "ASCIT" is misspelled? 11.) Do you think a Rhodes Scholar goes to Cambridge?

12.) Do you think a troll is a mythological being who stands around and guards bridges? 13.)

Do you think Bridge is a mythological building that stands around and guards trolls? 14.) Do you think that Feynman's Lectures in Physics is the clearest most comprehensive survey of the subject you have ever read? 15.) Have you read Feynman's Lectures in Physics? 16.) Do you think that it is God who determines how the universe is to be run, and that He does not ask Feynman's advice?"

17.) Do you believe an apostle is a religious fanatic? 18.) When your science or math teacher says that something is "trivial," "intuitively obvious," or "easily derived," do you agree? 19.) Are you unaware of what the letters "BFD" mean when used in math proofs in lieu of "QUED"? 20.) Does the word "gross" mean 144 things? 21.) Are 144 things gross?

22.) Did you miss last Sunday's episode of Mission: Impossible? 23.) Is the word "DEI" a German pronoun? 24.) Is the word "FEIF" really False? 25.) Do you think the best example of a horny animal is an antelope? 26.) Does the word "CITRAN" refer to some kind of fruity core?

27.) Is your most prized possession your slide-rule? 28.) Do you calmly go to your home after your school wins a football game? 29.) Do you intend to become a physicist? 30.) Do you think you can put up with this stupid quiz any longer?

Now, to see how you did, please skip over the female section of the quiz and read the evaluation section.

The next section is for females only. Again, please answer each question "yes" or "no."

\* \* \*

**SECTION II:** 1.) Are you a female? (If you answer "no," you are in the wrong section and (Continued on page 5)

## Election Results

### Official Vote Count Given

President	Election	Runoff
Beagle	83 (16.3%)	101 (23.3)
Hocker	44 (8.6)	-
Horner	226 (44.3)	239 (55.1)
Keys	44 (8.6)	-
Wilzbach	90 (17.6)	86 (19.8)

(By Houses)

BLACKER		
Beagle	2	3
Hocker	12	-
Horner	14	30
Keys	1	-
Wilzbach	4	5

DABNEY		
Beagle	0	4
Hocker	2	-
Horner	44	50
Keys	3	-
Wilzbach	0	1

FLEMING		
Beagle	9	8
Hocker	4	-
Horner	48	65
Keys	1	-
Wilzbach	7	3

LLOYD		
Beagle	14	17
Hocker	3	-
Horner	15	19
Keys	13	-
Wilzbach	5	2

PAGE		
Beagle	2	4
Hocker	1	-
Horner	17	14
Keys	1	-
Wilzbach	52	62

RICKETTS		
Beagle	27	49
Hocker	4	-
Horner	8	7
Keys	14	-
Wilzbach	4	0

RUDDOCK		
Beagle	14	13
Hocker	8	-
Horner	25	32
Keys	0	-
Wilzbach	4	3

OFF-CAMPUS		
Beagle	10	3
Hocker	9	-
Horner	36	22
Keys	9	-
Wilzbach	13	10

GLEE CLUB (Election Only)		
Beagle	5	-
Hocker	1	-
Horner	19	-
Keys	2	-
Wilzbach	5	-

VICE-PRESIDENT		
Szolovits	411 (80.6)	-
SECRETARY		
Hornbuckle	415 (81.4)	-

TREASURER		
Guibas	284 (50.6)	-
Patt	132 (25.8)	-

IHC CHAIRMAN		
Creasy	320 (62.7)	-
Graham	142 (27.8)	-

BOC SECRETARY		
Fisher	393 (77.1)	-

TECH EDITORS		
Fleming Team	146 (28.6)	-
Moskatel-Sarazin	336 (65.9)	-

ACTIVITIES CHAIRMAN		
Earl	93 (18.2)	-
Fuhrman	264 (51.8)	-

DIRECTOR OF ACADEMIC AFFAIRS		
Feinberg	220 (43.1)	282 (65.0)
Kaufman	138 (27.1)	127 (29.3)
Ross	85 (16.7)	-

SOCIAL CHAIRMAN		
Bradley	369 (72.4)	-

ATHLETIC MANAGERS		
Ault-Morgan	348 (68.2)	-
Hedges	79 (15.5)	-

DIRECTOR-AT-LARGE		
Breakstone	139 (27.3)	169 (37.0)
Clark	145 (28.4)	140 (32.3)
Post	84 (16.5)	-
Spain	128 (25.1)	159 (36.6)
Stormo	244 (47.8)	251 (52.9)
Westerman	74 (14.5)	-

DIR. STUDENT LIFE		
Aaronson	260 (51.0)	-
Langill	154 (30.2)	-

PROPOSITION I		
Yes	364 (74.3)	-
No	104 (21.6)	-

PROPOSITION II		
Yes	449 (91.6)	-
No	29 (5.9)	-

PROPOSITION III		
Yes	176 (35.9)	-
No	303 (61.7)	-

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# WUS Offers Grants To Czech Refugees

by John Webb

The events of August 21, 1968 in Czechoslovakia shocked the world. The influx and exodus of the Czechoslovaks since then has been extremely fluid with the great uncertainty of the situation in the country. Recent estimates place between 30,000 and 50,000 in non-socialist countries in the West, including Austria, West Germany, Italy, Switzerland, France, Belgium, and the United Kingdom.

Through December last, Australia had been able to accept 1,941 Czechoslovaks, Canada 233, Sweden 278, and Israel 240. About 440 have also been received by South Africa. Registration of refugees is taking place in the United Kingdom. Regulations in the U.S. Immigration and Naturalization Services prevented the U.S. and voluntary agencies from taking immediate action on this. However, about 980 have now arrived in the U.S.

A large number of the Czechoslovakian refugees are students and university teachers. World University Service set up a special enquiry to assess the extent of this refugee problem for university people. Several countries

have established reception centers to meet the immediate needs of these refugees. World University Service is concerned that their long-term needs will also be met, by scholarship assistance for students wishing to continue their studies outside Czechoslovakia and by helping university staff to find employment.

As in 1956, and the emergency then of the Hungarian refugee students, World University Service is working closely with refugee organizations. Funds are needed to assure a loan program for offering financial assistance to those wishing to continue their studies, and to provide intensive English language training programs when necessary. In the U.S. alone, the crisis of Hungary in 1956 inspired students and faculty, including those at Caltech, to contribute over \$150,000 to the special WUS appeal.

This contribution takes significance from the individual talent and ability of the Hungarian refugee students which might otherwise have been lost. WUS is now responding to those Czechoslovakian students attempting to complete their school-

ing, but finding that they can no longer tolerate political conditions now existing in their country.

Graduate students at Caltech are also responding to this need. With ASCIT, in a joint charity drive of the first week of March, the Graduate Council has endorsed this special appeal by World University Service for the refugee Czechoslovakian student coming to the United States.

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# Goldman To Teach Seminar

Eric F. Goldman, Rollins Professor of History at Princeton University, will give a course third term on the "United States Since 1940." The course, H153, will be taught as a seminar in two sections of twenty each, with registration on a first-come, first-served basis.

For years his course on modern America has been among the most popular at Princeton. Goldman has been voted "best lecturer" by the student body for twelve years running. Lately he has become dissatisfied with the lecture method of teaching and has switched to the seminar approach, reducing enrollment in his course from 350 to 25. At Princeton, both science majors and humanities majors enrolled

in the course.

According to Daniel Kevles, Associate Professor of History, Dr. Goldman is looking forward to teaching at Caltech, since he knows of the high level of intelligence of the student body. His many writings develop an individual interpretation of recent American history, but he relishes these students, the ones who flatly disagree with him, are those who do best in the course.

Goldman received his doctorate in 1928 at the age of 23. His recent interpretive memoirs, "The Tragedy of Lyndon Baines Johnson," has been creating a stir among reviewers. He will be giving the Haynes Foundation Lectures on March 3rd, 6th, and 11th. The topic of these lectures will be "The Metroamerican: The New American of the 1960's", and they will be held in Beckman Auditorium. The public is invited.

## Barrel Boreds

(Continued from page 4)  
 you know where you can go.)  
 2.) Do you enjoy meeting fascinating males?  
 3.) Is your height between 4' and X'6"??  
 4.) Is your weight between 80 and 180 pounds?  
 5.) Do you think college men are fascinating?  
 6.) Do you think college men who are formerly editors of their campus newspaper and who write columns for their newspaper are even more fascinating?

**EVALUATION SECTION**  
**For males (Section I):** If on Section I you answered any question "yes" (other than question number one), you unfortunately would probably have to change some of your ideas if you came to Caltech. On the other hand, if you answered all of the questions "yes," you probably will choose to come to Caltech anyway.

If you answered all of the questions "no" (except number one), you either are prepared for Tech, for Camarillo State Hospital for the Mentally Insane, or for editing a college newspaper. The difference between the requirements for these endeavors is negligible.

**For females (Section II):** If you answered any of the questions in Section II "yes," you undoubtedly should seriously consider Caltech as one of your possible choices of a college. You should immediately try to obtain more detailed information about the Institute.

To do this, merely slip a piece of paper containing your name, age, address, telephone number, and—if possible—a photograph of yourself under the door of the Tech office in Winnett Student Center.

Better yet, if you cannot wait to obtain information, please feel free to stop by Ricketts House anytime Saturday afternoon, and I am confident that you will be able to find someone interested in helping you make out well.

Juniors & Seniors  
 Electronic Engineering or Physics Majors

\* \* \* \*

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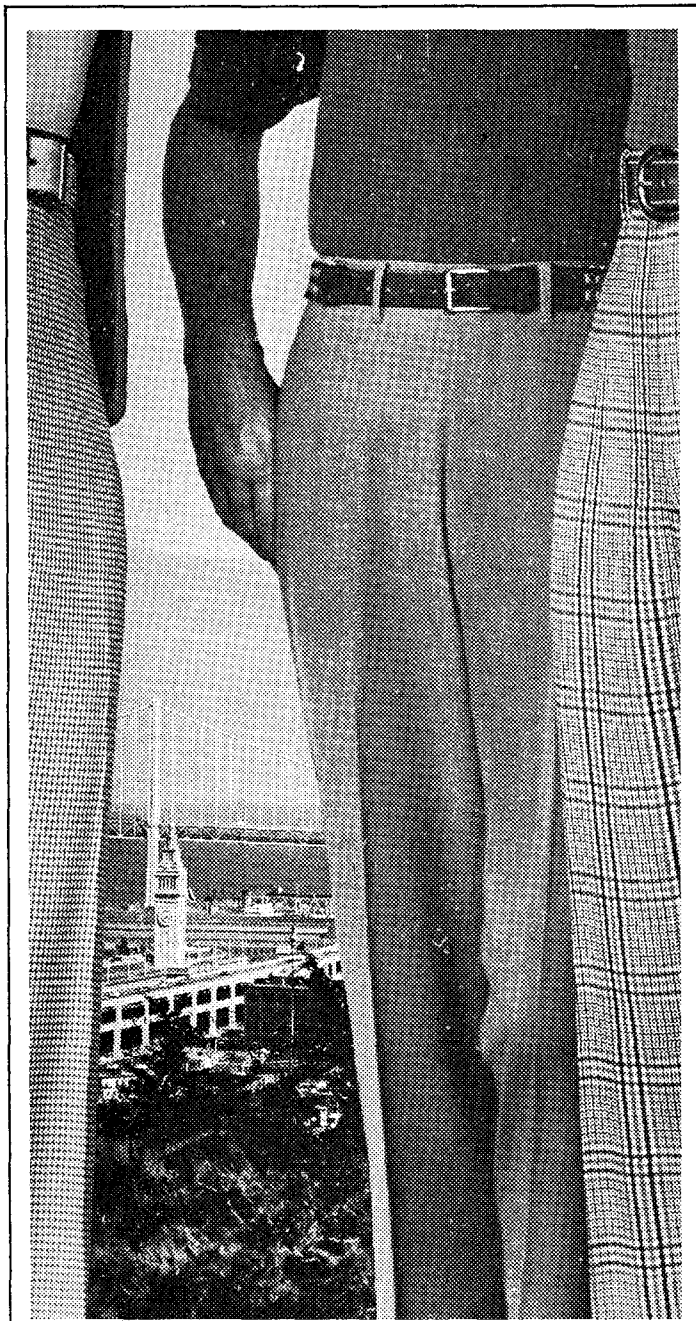
TUESDAY, FEBRUARY 25th

with the Placement Center, or send their resume to Mr. Harry Marriner, Senior Employment Interviewer.

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## More Bonner For Your Engine Heads, ASCIT Plans Bad Trip

(Continued from page 3)  
 tween faculty and students at Caltech. Often I have heard a faculty member say, "You're just as busy as I am," or "Thanks for your time!" Misunderstanding arises when we become so preoccupied with our work that we forget that busy-ness isn't always accomplishing change; and although encounters outside our sphere of activity are difficult, this is where problems are discussed and solved.

In short, the communication "gap" on campuses calls for greater maturity on both sides—not just patience, tolerance, understanding, but active willingness to give and take advice; and not in an authoritarian or demanding manner, but out of respect. Fictitious barriers are destroyed by such confrontation.

There is a great deal of opportunity for meaningful dialog between the administration and student. Bonner's appreciation of the situation is a favorable sign. Both sides must keep trying. "I am your representative," says Bonner. Let's take him up on this!

## For Your Engine Heads, ASCIT Plans Bad Trip

This weekend the ASCIT Social Program and AERT will present a gimmick type car rallye, Bad Trip. The rallye, sponsored by AERT (the ASCIT Expert Rallye Team), is open to all Tech students and faculty and their guests. Registration will be from 7:30 p.m. to 8:15 p.m. in the Caltech Coffeehouse, which will be open for the event, and the rallye will start from the parking lot behind the Coffeehouse. Bring a partner to navigate, a flashlight, a pencil, and a car. On the Free-Kout rallye last week two rallye cars were involved in a serious three-car collision; AERT will insist that all lights and signals on entering automobiles be in working order and that all the traffic laws be rigidly followed. There is no charge for entering the rallye. For information see James Henry at the Coffeehouse.

## NAIA Wrestling Tourney Set

At the Biola Wrestling Tournament, last weekend, the Beaver matmen took two places. Beagle was second in the 191-lb. class as he was decided by Grimes, 3-0. Grimes is ranked in the top ten in the NAIA in his weight class.

Lewis was fourth in his class at 137. Due to a mix-up, he forfeited third place when he missed his match.

Saturday, beginning in the morning, the NAIA District 3 Wrestling Tournament will be held in the Caltech gym. The winners will attend the nationals in maha. Saturday night, the matches for the top four places will be held.

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## Page Power Wins Track

Page, dominant track house, again downed the stubborn Flems as the two teams came out first and second in Interhouse competition.

The top performer of the meet was Sando (Ru) who won the long jump by 31.4", the 70 yd. high hurdles and the 220 intermediate hurdles. Dominating the field events was Abatzoglou (L1) who won the discus and the shot put. Carey (Ri) easily won both the 1320 and 660.

In the sprints, Watkins (L1) took the 330 and was second to List (Ru) in the 220. List also won the 100. Other seconds in running events went to Johnson

(Fl), 1320; Stormo (Pa), 660; Jensen (Ri), 330; Holmes (Ri), 100; Gregg (Pa), 220 IH; and Wilzbach (Pa), 70 highs.

Rounding out the field events, Creasy (Pa) and Rehbein (Ri) were first and second in the high jump, while Lomeli (Fl) was first in the pole vault with Holmes (Ri) second, Jackson (Bl) won the javelin by 7" over Cox (Fl). Stormo (Pa) was second in the long jump while Vergin (Da) was second in the discus and Cunningham (Pa) took second in the shot.

Ricketts with the team of Holmes, Lamana, Jensen and Curmier won the 880 relay.



## Tech Ruggers Beat Riverside

by Chris Brennen

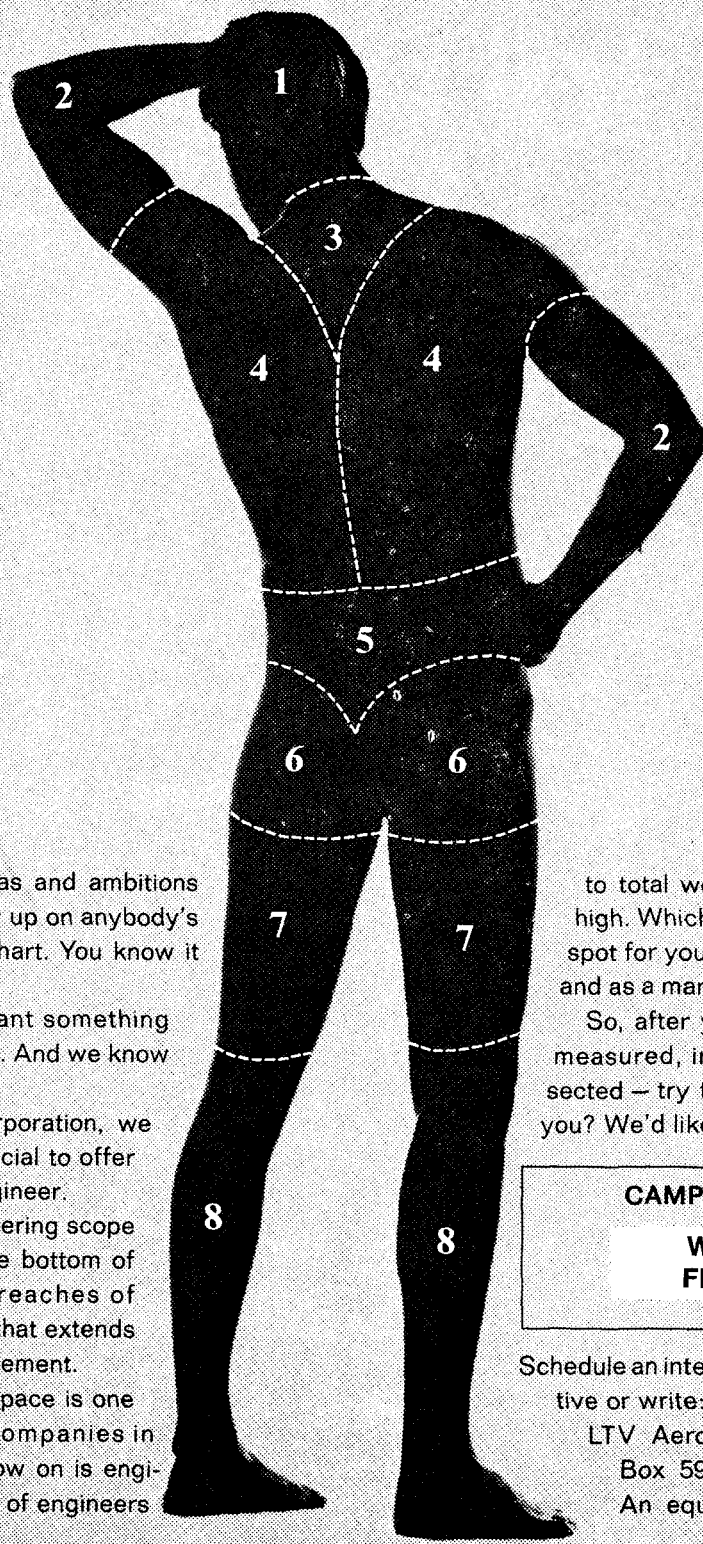
Incessant rain made handling difficult during Caltech's home league game against U.C. Riverside on Saturday. Caltech attacked from the kickoff, but good Riverside defensive covering prevented any score until Hyland converted on one of the numerous penalties which marred the earlier part of the game. Minutes later, the Caltech scrum-half, Cope, found a gap around the side of a five yard scrum and scored unmolested.

Riverside reduced the margin to 6-3 by the interval, when their wing forward fly-kicked forward and beat the Caltech defense to the touchdown. After the restart, the Caltech halves, getting good ball from sterling lineout work by Fisher and Schramm, continued to worry the Riverside defense with lofted punts.

One such kick bounced awkwardly past the out-stretched arms of the Riverside fullback to where Lipes, the Caltech wing, was on the spot to gather the ball for a clear-run-in.

In the closing minutes, the Riverside centre broke through from the half way line switched left, and handed on for his out-half to complete a fine consolation try. Though play was ragged in patches, the final score of 15-6 reflected a convincing Caltech win.

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to total work force is exceptionally high. Which adds up to a pretty good spot for you to be in — as an engineer, and as a man.

So, after you've been weighed and measured, inspected and all but dissected — try to stay in one piece won't you? We'd like to talk to the whole man.

### CAMPUS INTERVIEWS

WEDNESDAY  
 FEBRUARY 26

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