

If Accidentally  
Swallowed,

# California Tech

Associated Students of the California Institute of Technology

Induce  
Vomiting

Volume LXV.

Pasadena, California, Thursday, April 23, 1964

No. 25

## Feynman To Stay

BY JIM AUSTIN

"For Chrissake, I ain't leaving!" is Dr. R. P. Feynman's reaction to the recurring rumors that he is planning to depart. He stated unequivocally that these rumors are completely unfounded, that he has never contemplated leaving, and that he intends to stay here forever. (Satisfied?) Feynman expressed the hope that this announcement would finally kill the rumors.

When asked about his current work, he explained that he is not doing anything big now, but is working on several small problems. One of these is the interpretation of the red shift of very distant nebulae.

Feynman said that he is getting a great deal out of teaching a Physics 2c section. He decided to do this in order to get "feedback" from the students about the course. So far, the feedback has been very encouraging, but it is too early to come to any conclusions. In the meantime, he is "getting a kick out of it."

(Historical note: The rumor in all likelihood got started last term when the Tech published its New Year's editorial, and mentioned RPF departing to La Jolla. The reason for this line was that "La Jolla" was the only thing the editor could think of that rhymed with "paranoia". (From little acorns mighty oaks do grow.)

## Sage Receives Chemistry Prize

Dr. Bruce H. Sage, professor of chemical engineering at Caltech, received the American Chemical Society Award in Industrial and Engineering Chemistry April 6.

The \$1,000 award, sponsored by the Esso Research and Engineering Company of Linden, New Jersey, was presented to Sage at the 147th national meeting of the American Chemical Society for "distinguished service to his country in the design and development of solid-propellant rockets." The Society administers a total of twenty-six awards recognizing outstanding achievements in various fields of chemistry and technology.

## Notices

### STUDENT ORGANIZATIONS

Get those budget requests in to Fred Brunswig, ASCIT Treasurer, in Ruddock.

### DRAMA CLUB NEEDS YOU!

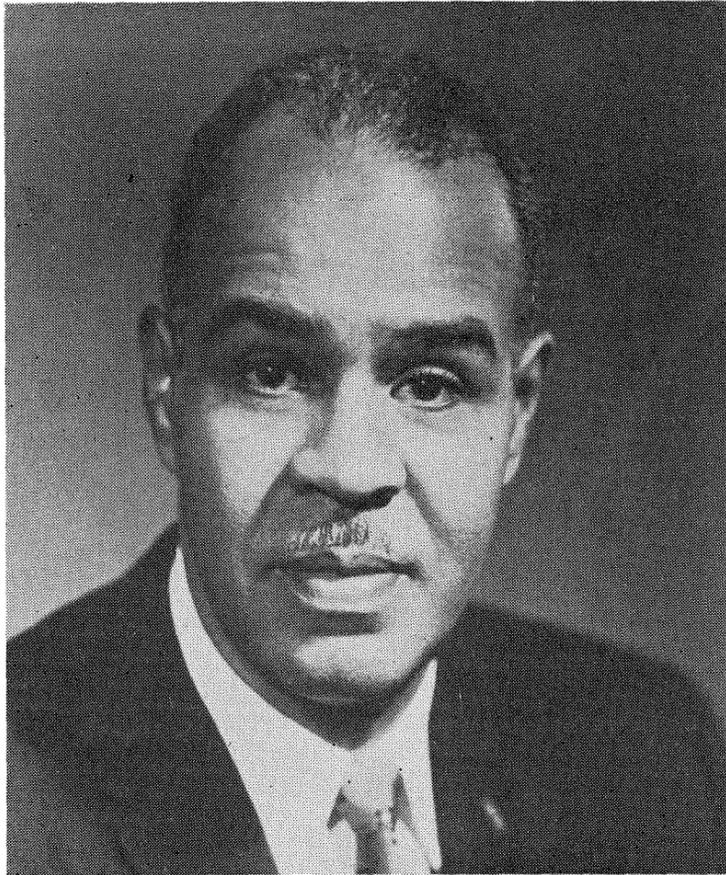
The Caltech Drama Club needs a business manager (ticket salesman), a prop manager, a costume manager, and a publicity agent. No pay but you get to go to the CAST PARTY! See J. K. Evans, Ricketts, SY 6-4806.

### SOCCER AWARDS

will be presented to the members of the Tech team at the Spring Sports Banquet, according to Herbert Heben, co-captain.

### FLASH!

Radio Club meeting—Thursday, April 23, 7:30, Club Room 2 (elections).



—photo by Fabian Bachrach

Roy Wilkins, executive secretary of the NAACP, speaks today and tomorrow as the YMCA's twenty-first Leader of America.

## Iyer Speaks About India's Future Plans

BY TIM HENDRICKSON

Dr. Raghavan Iyer, distinguished statesman and an Oxford graduate with first class honors in philosophy and politics, spoke April 15 in the Athenaeum on "An Indian looks at India's Future."

An excellent orator, Iyer began by characterizing India as "the Greece of Asia." India, like Greece, has commanded a "complete world vista"; Indian society, like that of Greece, was originally based upon the city-state. But unlike the Hellenic state, India has had a "living continuity," and to the present day the Indian masses live "in a world of epic heroes."

### Modern India

The India of today, "the most populous political democracy in the world," is faced "with the fact of its betrayal of Ghandi." This betrayal came as the Indians were about to realize their independence; after their "unitarian acceptance of a man with impeccable integrity," they abandoned his mild policies in favor of immediate action and immediate partition. After independence, their motto became "modernization at any price."

"My country," stated Iyer, "went further to belittle its founding fathers than any other in the world." "I would blame this," he continued, "on the paranoia of British rule"; the framers of the Indian constitution "had little knowledge of the contemporary realities of Western politics."

### Neutral India

Turning towards the current political aspects of Indian Cold War neutrality, Iyer asserted that "India, like Egypt, is not Communist... We are socialists in our own way, but we will not accept the right of one country to dictate world socialism." Likewise, Iyer pointed out that in India's association with the

(Continued from page 2)

## Wilkins Discusses Civil Rights Bill

BY BOB BERRY

Roy Wilkins, executive secretary of the NAACP and the Y's last Leader of America for the year, spoke on "Inside the Power Struggle over the Civil Rights Bill" yesterday at 11:00 in Winnett Center.

### Civil Rights Bill

Wilkins began his talk by describing the provisions of the House-passed civil rights bill and by discussing its chance for Senate passage. He commented that the Senate had spent nearly a month just debating on whether they would take up the bill. "If it could get to a vote, it would be passed. The question is — in what shape?" he said, speaking on the need for an early vote before the bill is watered down.

According to Wilkins, the "Title Two," or public accommodation section, is the "emotional heart" of the bill, but the fair employment section is perhaps the most important. Re-

garding opposition to Title Two, he said, "there is no such thing as a private business" and went on to explain that if a business deals with customers, it is public. Since the government has some control over business already, arguments against public accommodations control are not valid. "The federal government always moves in to protect property, but not human rights."

The fair employment practices section of the bill was described as "weak" by the Negro leader. Although sympathetic to the position of the white employer, he stated that federal action was necessary. The Negroes have been waiting 300 years for voluntary compliance," he said.

### Stall-in

When asked about the proposed New York "stall-in," he said that "irresponsible and misguided" demonstrations do not help the fight for the civil rights bill, but added that today's Negro is tired of discrimination. "He isn't going to stand it much longer. He may lose, but he won't bow; he won't bend."

Wilkins closes out his stay on (Continued on page 6)

## ROTC Purges Its Ranks

BY HANK SUZUKAWA

Armed with only their courage and stamina, the men of Caltech's AFROTC Detachment 65 braved cold weather, rugged terrain, and blinding fog to carry out their annual field exercise Saturday. Termed as "counter-insurgency training" by Barry Peterson, the corps commander, the exercise involved both attacks and defensive action from each group, especially around the phone lines and the ammunition dumps which were located on random hills near the Horse Flats campground.

## Oliver To Talk On Pasadena

Dr. Robert Oliver will describe a plan for a downtown park for Pasadena similar to Los Angeles's Pershing Square and San Francisco's Union Square at 7:30 Friday in Beckman. His talk, "The Alternate Futures of Pasadena," which is the first demonstration lecture to be held in Beckman, will deal with the park and other improvements—perhaps an outdoor stage, a convention hotel, and shopping and eating facilities — to help revitalize downtown Pasadena.

The park he feels should be located on the rectangle bordered by Colorado Boulevard on the south, Walnut on the north, and Marengo and Fairfield avenues.

### Oliver Heads Bonds

The improvement bond committee which Oliver heads is completing a program that will be submitted to the Board of City Directors. The committee has been considering a \$2,270,000 bond issue to pay for these improvements. This money would be used for both planning and starting some scheme for refurbishing the downtown area.

The morning began at 6:20 when the cadets assembled at building T-1 and boarded the cars that were to take them to the exercise area. Upon arrival, a breakfast of lukewarm bacon and eggs was served, and finally, at 10, the exercise started, an hour late. Gerhard Parker's A Flight became the "blue" army, while Grant Blackinton's B Flight was the "red" group.

The first exercise was a compass course to locate the headquarters of the respective armies. However, rather than trust unreliable compass readings, most of the searching was done by following footprints left by the party that set up the exercise. Headquarters were located rapidly, and work was started to establish the outposts, when to the dismay of the flight com-

(Continued on page 3)

## A-Bomb Survivor Explains Effects

Dr. Naomi Shohnu, professor of physics at Hiroshima Women's College, Hiroshima University, will talk informally on "Physical Effects of the Bomb" next Monday, April 27, at 3 p.m. in Winnett Lounge, under the sponsorship of the Caltech YMCA.

Dr. Shohnu will be traveling in this country with a group of "hibakusha," or survivors of the bomb, to present the findings of the professional members of their group — scientists, medical experts and educators — on the effects of the bomb.

He has been since its founding a member of the Hiroshima Atomic Bomb Casualty Research Group, an association of experts which has issued several technical reports on the effects of radiation damage. Dr. Shohnu will bring with him various slides, photographs and charts reflecting research done in Hiroshima. His own research has been in theoretical and nuclear physics.

## ASCIT Play To Feature Trials Of Lucky Pierre

BY J. K. EVANS

Tonight at 7:30 in Blacker Courtyard, Lucky Pierre will again burst upon the unsuspecting Caltech scene. In the persons of seven freshmen, he will display his agility, capacity, and virility in contests of strength, skill, and hair. After overcoming the tremendous odds, the man who triumphs will be named Lucky Pierre and will be accorded the unsurpassable honor of bringing to life on the stage of Culbertson an honest-to-goodness character. That is to say, by his courage and perseverance, he will win a part in this year's ASCIT Play.

Although beset by seemingly insurmountable difficulties (not enough girls tried out to fill the cast), the Drama Club bumbles onward in its determination to present Luigi Pirandello's "Six Characters In Search of an Author." Despite the short rehearsal time (the play goes on May 6-9, at 8:30 p.m. in Culbertson), club president and director Ken Evans is optimistic: "With actors like these, any director would shoot himself." Club advisor Dr. Ricardo Gomez is more conservative: "I like thees play." Steve Morse, cast in the leading role, says simply, "I don't have enough time to do this part, but I will CREATE the time." Good luck, Steve; we're rooting for you.

The Lucky Pierre contest will be judged by the ladies of the play, Jan Kistler of Westridge, Tina Carter of PCC, secretary Barbie Browder, and Stephanie Digby of England. They will render a fair, impartial decision, based on the performances of the candidates and on which one is the cutest.

## Editorials

## Gas

Last week Saga had a poll taken to determine how many people could eat lunch at 11 a.m. or 1 p.m. The avowed motive of this move is to serve double-shift lunches starting June 1, when the renovation of the old kitchens begins. The Tech is glad to see the old kitchens get the remodeling they have long needed, but the idea of destroying the lunch schedule, especially during finals, is disgusting.

We urge the Saga Food "Service" to reconsider this action. Certainly construction could be delayed two weeks to allow the ever-suffering Techman to take his finals without the harassment of a rearranged lunch schedule. What could be so refreshing as to come back from a physics final and sit down immediately to a quiet Saga meal? Surely this rare pleasure can be sacrificed.

Saga has demonstrated many times that service to the student means eat the food that is served and like it. With amazing regularity dishes which are known by Saga to be disliked are served time after time. We feel that this attitude of serving food that is disliked in order to hold down consumption, thus cutting costs, is not consistent with the price paid for the service.

If the food service cannot plan a menu which is acceptable, the food committee or some other body should be given the authority to select a list of reasonable items from which a daily menu could be derived.

—Wally Oliver  
Stuart Galley

## Christian Science Topic Of Y American Religions Lecture

BY VALI YERRBOFSKE

The Y's Varieties of Religion in America Series continued in good style Tuesday night in Winnett Lounge. Christian Sci-

ence was introduced this week, with the aid of the Caltech Christian Science Organization.

Mr. Wallace Moit, an alumnus of Tech who studied under Millikan, answered questions following a color film which explained Christian Science. Taking their inspiration and information from both the Bible and **Science and Health** by Mary Baker Eddy, Christian Scientists, more poetically called "Students of Christian Science," seek to gain a "spiritual understanding of God, the Divine Mind."

With this understanding comes power. "The same transcendent power the Master demonstrated is here today." Inasmuch as we understand and apply the Laws of God, we are freed from sickness and sin. Jesus showed us the way and said, "He that believeth on me shall do the works that I do," and indeed many of them do!

(Continued on page 6)

## Y To Present Student Art

BY ED ROBERTSON

Much is said today in the centers of liberal education about the narrowness of scientists. In several ways, such as the Y's service project and our excellent Glee Club, the men of the Institute have shown this to be definitely not true. One field of artistic endeavor, however, which has previously been confined to the homes and rooms of individuals is that of the graphic arts. Not only is the world interested in what Techmen can do in the arts, but the student body is enthused and proud of the abilities of its members.

In order to show the range and depth of these abilities the Caltech YMCA is sponsoring a student art display. This exhibit will be held in Winnett Student Center during the week of May 4th-10th; and all those who paint, sculpt, take photographs, or do anything else conceivably related to the graphic arts are urged to contribute. Graduate students and faculty are also invited to participate. Those interested may contact the Y office or Ed Robertson, 35 Blacker.

## Letters

## Editors Lauded

Editors:

We should like to take this opportunity to commend you both on your very fine editorial which appeared in the **California Tech** Thursday last. Your penetrating analysis of the Third-Term-Senior-Problem is of a sterling caliber seldom seen on this campus. One only wishes that this insight were brought to bear with even greater frequency and force in your editorial pages.

We also view with dismay the alarming degeneracy among our classmates, the Seniors of '64. Those individuals, far too many in number, who spend their free hours in dissipation are a discredit to the country, the city, the Institute, and especially to those of us who hold ourselves above such licentiousness.

As we embark on the great pathway of Life, we will be stronger in heart for having heard what you have modestly tossed off as "sermonizing." If this be sermonizing, then our world is indeed in trouble. This is common sense, mature judgment, sound advice, not "sermonizing," and there is a crying need for more of it.

God be with you,  
**Leon Thomsen**  
**Jerry Thomas**  
**Art Johnson**  
**Bob Liebermann**  
**Richard McGehee**  
**Roger W. Leezer**

**Editors' Note:** We wish to commend the seniors who sent us the above letter for their rare perception of the problem created by a few members of their class. We know that these fine examples of leaders, with temperance, restraint, and thoughtfulness, will shepherd their errant classmates to the path of righteousness. We salute them.

# Smith Tells From Other Campuses Of Bard's Romance

BY BOB BERRY

"Shakespeare: Not of an Age, but for All Time" was the title of Dr. Hallett Smith's lecture for Athenaeum members last Thursday evening. Smith, Chairman of the Division of the Humanities and student of Renaissance literature, spoke on Shakespeare's relation to his audience and age.

Shakespeare was living in an age of romantic wonder and curiosity when "a newly discovered world stimulated and validated the imagination," Smith stated. He then commented that Shakespeare was probably a poet before he became a playwright. The poem "Venus and Adonis" was perhaps his first work and according to Smith was the most famous of the bard's works during his lifetime—it went through more editions than any of his plays.

Smith went on to say that the plays are generally divided into three categories: histories, comedies, and tragedies. However, he would include another classification—the romance. These plays, such as **Pericles**, were written rather late in his career and do not place as much emphasis on the problems of the individual as his earlier works did. Smith made the point that Shakespeare was different from some "modern authors who seek to offend the audience, and do so." He wrote primarily for his audience. His change to the romances in the latter part of his career indicated a change in his audience from the commoners to the aristocracy.

## Iyer Speaks

(Continued from page 1)

West, the West must not forget that "the Hindu has the right to do as he chooses."

In reference to the Sino-Soviet split, "which Nehru, the last and greatest of the Englishmen who ruled India, foresaw in 1949," Iyer declared that "India has more in common with Russia."

**Vise of Models**

Modern India, Iyer emphasized, is torn by "a sense of loss of direction." She is caught in the vise of two inadequate models: modernism and the unchanging East.

Some, with "a paranoid desire to make the whole world go through the ruthlessness of modern *laissez faire*," would have "modernization at any price." But the error made by these, as Iyer explains, is that "democracy does not go hand-in-hand with modernism . . . Social change will only occur through the abolition of peasant backwardness." If the question is "national statistics or national advancement, why not the most ruthless and vicious way of modernization—Communism?"

The other model equates India with "the unchanging East." In refutation of this picture, Iyer stated that "a new universal culture is emerging in India today," highlighted by the increasing prominence of Indian women in government circles.

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## From Other Campuses

By Jace

Reappearing by popular demand (my own) after a long absence to recuperate from editorial jaundice I decided to start this column off on a serious note just to show all those who said it couldn't be done. Of course, following my still latent editorial habits, this implies highly editorial material and, naturally, self-justification.

One interesting point is the discovery of the Blue Circle Honor Society at Notre Dame. They are an organization roughly comparable to the Beavers (if that's imaginable), and unfortunately a little too comparable. They even have nice blazers with blue circle emblems sort of like the old Beaver sweaters (lost in an old **Big T**).

**Amazing Description**

Back to the point, they wrote an article describing their organization and its activities for the Notre Dame **Scholastic**, and when it appeared the editors felt obliged to insert the following note of explanation.

"This article has been written by the members of the Blue Circle and is included in this issue as a public service of the **Scholastic**. This is not a satire." I wonder if the Beavers might run into a similar problem here.

**Quakers Quote**

For the self-emulation section, I would like to quote a portion of an article from the Whittier College **Quaker Campus**. The purpose, believe it or not, is not entirely self-justification, but also my feeling that it's an extremely important and valid point. The following quote is from a column and deals with a retiring editor of the **Campus**.

"Perhaps the key to the value of a college newspaper is its editorial policy. If an editor is reluctant to tread on toes he essentially must stand still or else step into areas insignificant enough to be uninhabited . . . (the former editor) . . . stepped into every area of campus life. He has angered faculty members and fellow students, but to my knowledge he has never avoided an issue. The students, therefore, have been aroused and informed concerning questions which more conservative individuals might have overlooked.

"The secret of a successful newspaper is stimulation of interest, but the key to a vital newspaper is stimulation of thought. This year the **Quaker Campus** has accomplished both; and, in doing so, has made the most substantial contribution of the year to the growth and well-

being of the Whittier student body."

This is what Don Green and I tried to achieve and I sincerely hope that the present editors and their successors will endeavor to maintain similar aims for the **California Tech**.

In the same area, but on a different tact, are some documents on the desire of the student council to censure the **Rensselaer Polytechnic** for endorsing candidates in the last election. The following is from a letter to the editor of the **Poly**.

"A college newspaper's first duty is to inform its readers correctly; its second and more important responsibility is to lead student opinion. Leaders and members of the Student Council should indeed search their consciences to distinguish between the meaning of "to lead" and "to follow." If they had done so . . . they would have realized the error of their resolution.

**Opinions**

"Wherever a newspaper expresses its opinions strongly, that journal is labeled 'biased'; if, however, that organ should fail to state those views which its editorial conscience feels must be said, then that newspaper is rightly called a worthless 'fact sheet.'

"It is unfortunate that those who are attempting to limit the editorial freedom of the **Rensselaer Polytechnic** are unaware of the ethical rules under which the newspaper . . . operates . . . (from the CANONS OF JOURNALISM) . . . a student newspaper is 'Stoutly independent; unaware of pride of opinion or greed of power; constructive, tolerant, but never careless; self-controlled; patient; always respectful of its readers, but always unafraid.

"It will remain indignant at injustice and remain unswayed by the appeal of the privileged or the clamor of the mob."

Next week, I promise, back to the funnies.

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# Sharp Reminisces About Old Tech Days

BY JIM AUSTIN

Dr. R. P. Sharp, Chairman of the Division of Geological Sciences, is an active and well-known man on campus. He also spent his undergraduate days here at Tech. In a way this was an accident: he was won over by the enthusiasm of a high school friend. In those days (1930) entrance exams were given on campus.

He and his friend took the exams and were accepted, and they persuaded another schoolmate to apply. He too was accepted. Of the three, only Sharp lasted through the sophomore year.

At first he was interested in engineering, and then chemistry. He took a geology course and decided that was for him, a decision he has never regretted. "Do the thing you like to do" is his advice.

### Off-Campus Pad

The old fraternities had just been banned, and the Student Houses were not yet built. So Sharp lived off campus, first at the YMCA, later at a boarding house at Steuben St. Next door to the boarding house lived five or six upperclassmen, who explained to him the secret mysteries of Caltech. There were compulsory assemblies each week for the same purpose. Today the frosh receive this service free in the Houses.

The next year the original Student Houses were opened, and Sharp moved into Dabney. "If the fellows think Caltech is a social and cultural desert now, they should have seen it then." However, the Houses have proved to be a tremendous asset to the students. Some of their traditions, such as Interhouse sports, were started right away.

### Tech Has Changed

Looking back, Sharp noted a change in Caltech's outlook. The students were not as good in 1930 as they are now, but they worked just as hard. Tech now takes only the "cream of the crop," and gets more students from out-of-state. The students did not have the general disillusionment with science that is common now.

He spent a year here as a grad student (1935), "which was a mistake and I don't mind if you publish it." He earned his PhD from Harvard in 1938. His thesis concerned the structure and morphology of the Ruby East Humbolt Range in NE Nevada. In 1937 he was part of an expedition that took a two-month boat trip through the Grand Canyon to study the bottom rocks. He considered this his most interesting experience.

Sharp was on the University of Illinois geology staff from 1938 to 1943. In the Air Force from then until 1946, he was attached to an intelligence outfit that studied terrain in Canada and Alaska. He was with the University of Minnesota for a short time, and returned to Caltech in 1947. He became Division Chairman in 1952.

### Present Interests

He is interested in today's geology: glaciers, wind, volcanoes, shoreline processes, water, weathering, etc. In line with this his department is presently studying Blue Glacier on Mt. Olympus in Washington, processes in desert, and glacial deposits on the east slope of the Sierra Nevada.

Sharp has been on many committees here, and although he is still active on some, his main job now is administering his department.

Opportunities in geology are excellent today. Ten or twenty years ago geologists were mostly interested in description, but advanced research is now possible in fields such as geophysics, geochemistry, and geobiology. The frontiers of nuclear physics are crowded, but "in geology there are equally interesting frontiers that are thinly populated." A good geologist has no difficulty in obtaining an interesting position.

## ROTC Purges

(Continued from page 1)

manders, five of each of their men were spirited off by the "special" staff. These men became the attack groups and were sent behind enemy lines to cut phone wires and bomb the enemy ammunition dump.

### Parker Bites

The flight commanders, having no idea what had happened to their respective five men, began stringing the phone lines between the outposts and headquarters with those men they had left. Blackinton's group managed to complete a line to red outpost 2 and came within 1000 yards of outpost 1 before

quitting. Parker's group had more luck and got wire to both outposts, but partisan raiders had taken the telephone from blue outpost 2 just before the wire was completed.

Meanwhile, the attack groups, after being dumped in enemy territory, located their tools and their lunches (with the exception of Mr. Sherlock's group, who couldn't find the lunches) and began the attack. The red wire-cutting team swept through the blue lines on schedule and as a result missed the wires, which blue didn't finish laying until 15 minutes later. Disgusted, the red team went back to their own headquarters. The blue wire-cutters had better luck.

They cut the line to red's outpost 2, then promptly got lost on their way back to their lines.

### Reds Bomb

At 3:30 the red bombing team located the blue ammo dump, planted their genuine acid-activated-noise-bomb, cut the phone lines to blue outpost 1, and ran for the tall timbers. But Deichmann, from blue, found the bomb and threw it down the mountainside before it went off. The red wire-cutters reached their headquarters just in time to be wiped out by George Rapsy from blue's bombing group. Unfortunately, the rest of the blue bombers didn't choose to plant their bomb, and red

(Continued on page 6)

## SUMMER JOBS

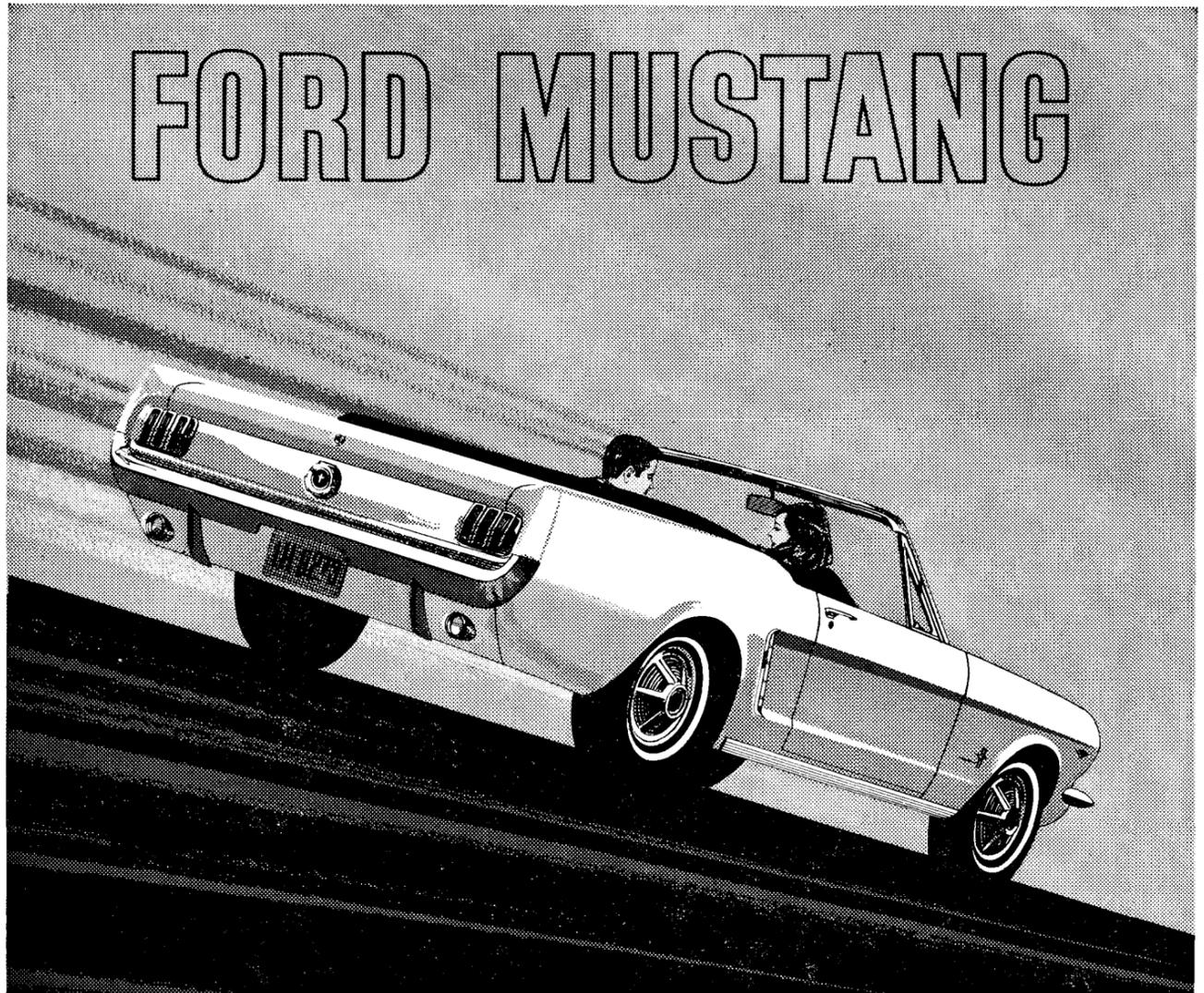
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## NEW GRRR IN TOWN

Ford Mustang... a car as American as its name. And one that aptly fits the dictionary definition: small, hardy and half-wild. Conceived as a nimble, sporty car, the Mustang offers distinctive styling in two tasty packages—Convertible and Hardtop. Both are 2-door, 4-passenger vehicles. The price? Sporty going never came more economically.

It took a lot of hard work and many people with creativity, imagination and drive to get the "grrrr" to town. All kinds of skills were involved: styling, research, manufacturing, marketing, product planning and many others were needed and will be needed in the future. For the Mustang is merely the latest expression of Ford Motor Company's ability to anticipate modern tastes in driving.

In Ford Motor Company's search to find better ways to do the unexpected, there is the constant need to enlist people with a flair for the future. This year, approximately 1,000 college graduates in all areas of study and with all kinds of majors can enjoy the challenge of creating new automotive marketing and manufacturing concepts. If you're interested in joining a leader in a growing industry, check with your Placement Office or write us. Maybe you can help "tame" the next Mustang.

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# Caltech Smashes Upland 31-11; Ricks Hurls 1-0 Win Over CHM

The Tech three weeks ago published a picture of the Upland baseball team watering down the Tech baseball diamond to avoid facing Tech's baseball might. The game was rescheduled for last Tuesday, and sure enough last Monday a water pipe under left field broke. This turned much of the field into a quagmire immediately christened Lake Liebermann. The field resembled the barranca on the Redlands golf course.

When the game was finally played on Tuesday, it became obvious why Upland should go to such pains. It has probably been years since a Tech baseball team, or football team, or track team for that matter, has scored as freely as Tech did Tuesday. The game was a 31-11 romp as Tech triumphed. Thirty-one runs speaks for itself.

### Welcome Sight

The entire Tech team didn't score 31 runs last year. Coach Preisler couldn't believe his eyes. Third base was like 201 Bridge at a Feynman lecture. This was nothing compared to the business around home plate. The official scorer used four pages in describing the game. Never has such a collection of hits, errors, and runs graced a Beaver scorebook before: at least not on the Caltech side.

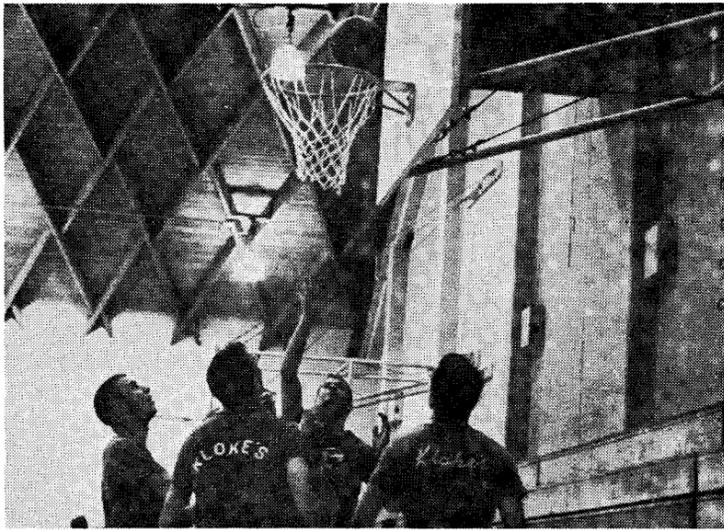
### Conservatism

In a game a little more on the conservative side, Tech played Pomona last Wednesday week, eking out a much more satisfying 1-0 victory. Tech had many chances to score, but, rather than make the pitcher overconfident, it was satisfied with one. That run came in the sixth inning on a walk to Resney, a stolen base, and a single by long ball hitter Gary Dahlman.

### Ricks Great

By far the best part of the game was the pitching of Bill Ricks. Bill was superb. Pomona neither scored nor came very close to it, and this weekend Pomona clobbered Whittier's mighty Jones for six runs in two-thirds of an inning. Pitching like that can bring home the victory against any team in the league for Tech.

(Continued on page 6)



—feelthy peekture by Phil Laipis

Dick Shlegeris watches as teammate Bruce Beeghly tosses one in for Ruddock in an Interhouse basketball game against Fleming. Fleming won the game and became the Interhouse basketball champion.

## Fleming Cops IH Honors; Blacker, Ruddock Follow

Interhouse basketball season came to an end this week as Fleming House powered its way to its second consecutive victory in this sport. Blacker finished second, losing only to Fleming. In third place but completely outclassed by the other two was Ruddock.

The story of this season was consistency and power. Fleming showed all-around balance with a good five-man starting team. Holford made a fine guard. He was dependable. He brought the ball into the offensive court smoothly and quickly. Most important of all, though, he was the team leader. He directed the attack. In this position, he was invaluable. His partner at guard was Jim Simpson. Simpson was Mr. Dependable. He had the hot hand when it was needed. In addition to this, he was tremendous under the boards. A good deal of the Fleming attack depended on this rebounding.

### Big John

The obvious candidate for Mr. Important is John Nady. You can't neglect a man who scores 38 points in one game, no matter

whom he's playing against. For a big man, he has an amazing touch. In addition to this, he moves well. One can't help wondering why a player of this caliber isn't playing varsity ball. Nady is a lot better than he was last year.

Playing second fiddle to Fleming was Blacker House. It too had a lineup of stars. Blacker, however, lacked the consistency of Fleming. Aschbacher at guard has a fine shot. Guthrie Miller can always be counted upon for a good game. Doug Josephson was a fine shot and carried the Blacker attack at times.

### Ruddock Third

Ruddock had neither the power nor the consistency of either of the other two Houses. Ruddock relied on teamwork. With no obvious standout individuals, Ruddock played a deliberate game and came out on top against the rest of the league. However, against the big two, Ruddock was out of its class.

In final games for both teams, Blacker overpowered Ricketts, 45-34. The game was nip and tuck the entire way. Ricketts led at the end of the third quarter, when Blacker applied the full court press.

## Frosh Rally, Beat CHM; First Win In Three Years

On Saturday, April 18, Coach Jensen's crew brought Caltech its first frosh baseball victory in the last three years. Behind the ten-inning pitching performance of Chuck McQuillan, the frosh put on a brilliant come-from-behind effort and chopped down CHM by a 10-9 score.

In the first five innings CHM jumped on McQuillan for six runs on seven hits. In the bottom of the seventh Caltech began to get its bats warm: right fielder John Foster led off the inning for the Beavers with a single, and advanced to second on a wild pitch. Phil Paine doubled Foster home, advanced to third on a fielder's choice, and scored on a double steal following a walk.

### CHM Seems to Sew

CHM scored three more in the top of the ninth and seemed to have the game sewed up with a 9-2 margin. In its desperation inning Caltech loaded the bases on walks, and Steve Swanson proceeded to clear them again with a booming triple to right

center. A walk drawn by catcher Jennings, a single by McQuillan, another walk to second baseman Little, a single by Foster, two more walks, and a bases loaded single by Dennis White tied the game at 9-9.

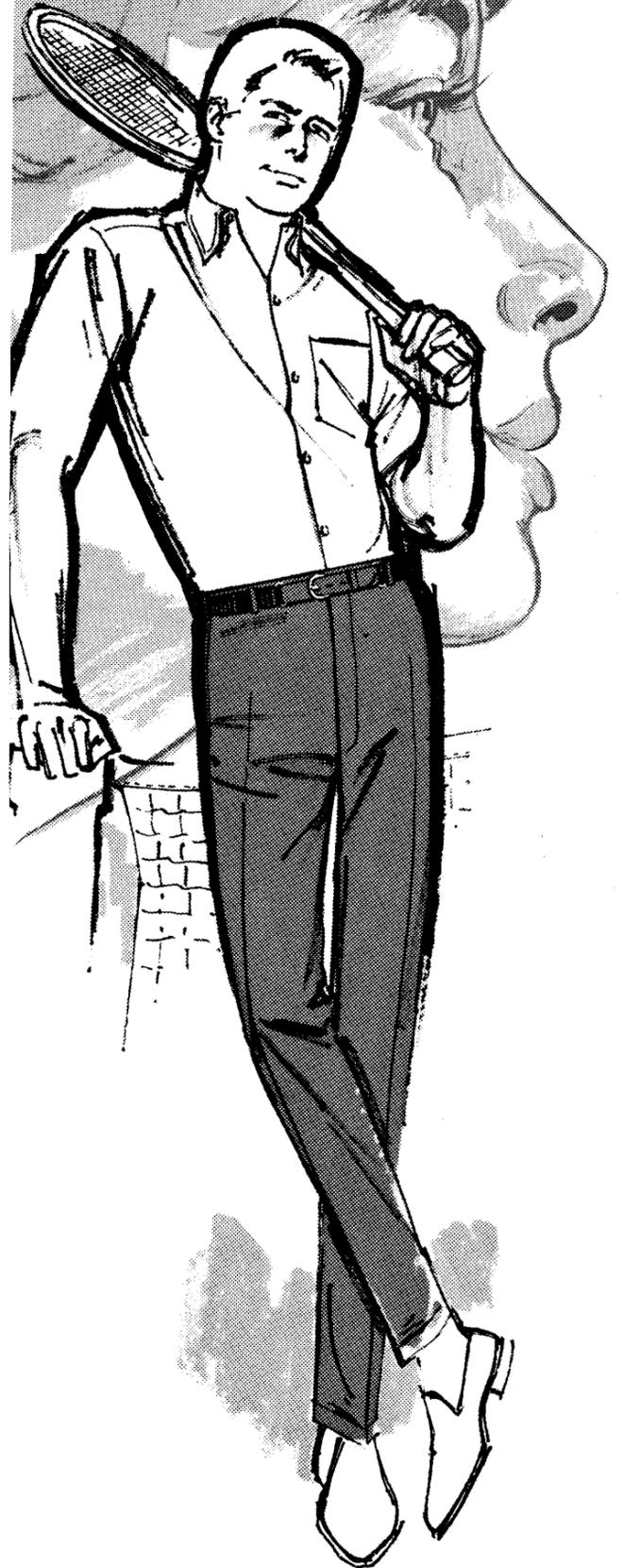
In the top of the tenth McQuillan retired the first two hitters to face him. Then speedster Cox of CHM drove a long liner to deep left-center; an excellent series of relays by Thaler, Landy, and McQuillan, and a great roadblock effort by catcher Jennings, cut down the runner as he tried to stretch his hit to a four-bagger.

### CIT Pulls Through

In the bottom of the tenth a single by Jennings, an infield error, and a walk to Gary Little loaded the bases. A walk to Paine then gave Tech its hardfought victory. Coach Jensen is certainly to be congratulated, as he has brought the team a long way this year and has done a great job! The team plans on making this victory just one of more to come this season.

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P-CN

# Swimmers Win; Take Second Place

BY TED JENKINS and MIKE McCAMMON

During the last three weeks the Caltech swimming team has had three meets. Three weeks ago Tech split a double-dual non-conference meet with Cal Poly of Pomona and San Fernando Valley State College, beating Cal Poly 75-19 but losing to San Fernando 62-33.

The following week Caltech resumed conference competition and downed an undermanned Whittier squad 72 to 19. Whittier scored 10 of these points by winning the 200 yd. breaststroke and the diving with good performances. Even though performances by the Caltech swimmers were not outstanding in many cases, points were taken easily in most events to produce the win.

The high point of the meet occurred when Larry Anderson set a new school record in the 200 yd. individual medley with a time of 2:20.8, bettering the old mark of 2:22.4 set by Gary Tibbetts in 1961. George McBean came through with his usual wins in the 50 and 100 yd. freestyle events while Pete Ryan won the 500 yd. freestyle from teammate Larry Anderson, who was somewhat tired from his earlier swim.

## Redlands Meet

Last Friday the Beavers stole a close one from the University of Redlands by a score of 48-46. With only Pomona and Clare-

mont-Harvey Mudd left on the schedule, this virtually insures a second place finish behind Oxy in conference competition, which is being decided on a dual meet basis this year.

The medley relay was won by a superior Redlands team in 4:06.2. This gave Redlands a lead which they maintained until the final relay. Scott from Redlands came from behind in the last 50 yards to beat Larry Anderson in the 200 yd. freestyle. McBean proceeded to capture the 50 yd. freestyle in 24.1, but Redlands came back to sweep the 200 yd. individual medley to maintain command of the meet. Smythe and Lau swept the diving for Caltech as Redlands failed to enter anyone.

## Butterfly Swept

Redlands apparently swept the 200 yd. butterfly, but their second man, Tom Jenkins, was disqualified for an illegal kick, giving D. D. and Nielson second and third for Caltech. Caltech swept the 100 yd. freestyle with McBean winning in 52.5 and Anderson taking second. Parker won the 200 yd. backstroke over an out-of-condition Bill Owens with McCammon third.

The 500 yd. freestyle marked the turning point in the meet as Ted Jenkins improved his previous best by eight seconds to take second place in the event. After trailing Scott for most of the race, Jenkins pulled past him with 150 yards to go and pulled away to finish in 5:53.9. This left Redlands with only one breaststroker and no freestyle relay team, so the rest of the meet was largely an anticlimax. Pat Miller and Jerry Nelson finished second and third for Caltech in the 200 breast and the Caltech freestyle relay team of Nielson, Deichelmann, Anderson, and McBean provided the final seven points needed for victory.

## Frosh

The Caltech frosh have shown at times some excellent swimming and have, in John Friedman, probably the outstanding diver in the conference. They are troubled, as usual, by a lack of depth. After beating a two-man Whittier frosh team 54-8, the Frosh found Redlands to be too much for them. Despite winning performances by Jim Soha in the 200 yd. breaststroke and by Friedman in the diving, Redlands won by a score of 63-25.

This Friday both the varsity and frosh teams meet CHM in the Alumni Pool at 4:00.

# Weis, Tucker Star; Ruddock Triumphs

BY JOE WEIS

Ruddock defeated Blacker, 54-40, in a Discobolus basketball game last Sunday. Ruddock banged in four quick baskets to lead 8-0 and held a five to ten point advantage throughout the first three quarters. In the final period Ruddock pulled away and had a commanding 15 point lead with five minutes left.

Ruddock's Interhouse team — beefed up with the addition of varsity players Tucker and Weis — found many holes in Blacker's full court press which the latter has used very effectively in Interhouse competition. It was during the periods when Blacker pressed that Ruddock surged ahead.

Doug Josephson tallied exactly half of Blacker's points as he lead the Blacker team on numerous fast breaks in the second half. Ruddock's scoring was more evenly divided: Weis 17, Sherman 16, Tucker 10.

Fleming still leads Discobolus competition with 29 points; Blacker has 12 and Ruddock 9.

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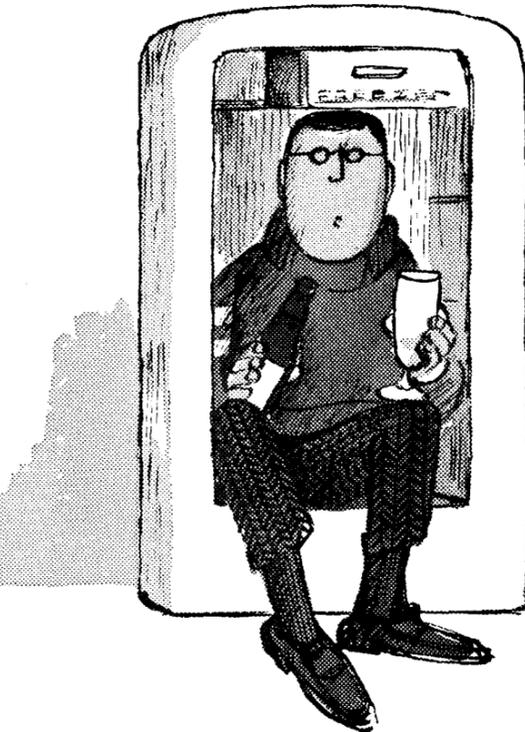
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SY 2-6634

# Duffers Drubbed; Hirshi Gets Six

Flailing down the fairways in untypical fashion, the Tech golfers eked out 11 points against Whittier in a home match on Monday. Holding the advantage of playing on their own home course at Brookside, the Pasadena pushovers lost to Whittier by a score of 43-11.

This was the same school that Tech defeated for its lone victory last year. This year it was a different story. Whittier has developed a powerful lineup and succeeded in skunking Tech as badly as any of the other teams in the league. Medalist for Tech was John Vitz with a 75. Despite this he could only manage to pull in two points. High point man for Tech was Yance Hirschi who gathered in six big ones. Together with his partner, Charlie Vinsonhaler, he gathered in three more in the best ball score.



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# Brewing



**"Chapman Makes Usual Stench"**  
—The Hot Rivet  
January 14, 1925

Scene of last Furdsday bitchin party in Buttock House. Numerous voluminous quantities of joyjuice and firewater slithering down the proverbial hatches. Arise from the muck some furd-tastic four: former teked Krap, incumbent teked Wallliver, mole-turned-turtle U. Nohu, father-to-be Jno. Poyt (see below). Note unusual inebriated state of Krap, usual inebriated states of others. Proceed directly to GO, where for to drink it more. Proprietors of pub, naturally desiring to avoid Jno. Law, request identification of Turtmole, who, having just gained majority, is overjoyed to proclaim such fact, after only yesterday having birthday and not asked for id. To the amazement of all, Wallliver by a sly idrf buys the vile stuff for the first time. Krap, feeling his unaccustomed oats, arises periodically to spew Gettysfurd Address, declare Independence, etc. Others drift through third Nirvana happily.

Gangrene House visited by nether personage in form of one named Gold Gin. Said form lured sophs Woolly and Madam (no relation to overseer) off ivory towers for fun-loving thirst-quenching with gin of gold and silver and all colors and etc. Madam plowed his way into neighboring Rest Home, while Woolly was longly among the missing.

Junior Tureschmuck received congratulations from friend "Grog" for wedding anniversary? Beak is disconsolate for lack of invitation to ceremony, whensoever it was. But surely Beak's request to have offspring named for him will take precedence over Grog's.

## Students Vie In Conger Contest

The 53rd Annual Conger Peace Prize Oration Contest will be held in Winnett Lounge at 11 a.m., Wednesday, May 20. An award of \$50 will be given the first place winner for the best oration on the topic of world peace or industrial peace. Second prize is \$25.

The Conger Peace Prize was established through the generosity of the Reverend Everett L. Conger for the promotion of interest in world and industrial peace, and for the promotion of excellence in public speaking. It has been an annual event at Caltech since 1912.

### Rules for Contest

Any regularly enrolled undergraduate student who is not a previous Conger Prize winner is eligible to compete. To register for the contest, manuscripts must be in the hands of Herb Booth, director of forensics, in 306 Dabney, not later than Wednesday, May 13.

General rules are: (1) the oration must be the original work of the contestant, (2) the oration must be read from manuscript and must require no more than seven minutes for delivery, (3) each contestant may have a maximum of one hour's assistance and advice from a faculty member, and (4) the oration should analyze some phase of the problem of world or industrial peace, and should offer a proposed solution.

Last year's winner was Steve Morse, with Roger Davison taking the second place award.

## Debt Existed 50 Years Ago

BY RODGER WHITLOCK

ASCIT's financial problems certainly aren't anything new. Fifty years ago, the Associated Student Body of the Throop College of Technology (ASBTCT) found itself \$69.80 in the hole, although they were at the time owed \$135 in dues from people who had not yet paid.

The solution first proposed was to post the names of those who hadn't paid, in order to shame them into coughing up the requisite amount. An amendment to the motion which carried allowed the debtors to pay in notes, payable before June 1, 1914.

Moreover, a member of the Executive Committee (forerunner of the illustrious BOD) was appointed to talk to the faculty about compulsory collection of dues.

And that, children, is how ASCIT dues crept into the Institute billing system.

The actual outcome of the situation was a loan from the Trustees which was presumably paid off, since ASCIT's credit is always good . . .

## More CS

(Continued from page 2)

The CS Student believes that only everlasting things, Love, Goodness, Truth, the Spirit, are real. "Man is not material, but is in the image and likeness of God." As we realize this, our real spiritual self comes to life, and "we overcome evil, just as Jesus did when he healed the sick."

## More Wilkins

(Continued from page 1)

campus with an address on "The Place of the White College Student in the Civil Rights Movement" at 4:00 this afternoon in Winnett and dinner at 6:30 with the Friends of the Caltech YMCA, where his topic will be "The Next Years in the Civil Rights Struggle."

Wilkins' major address, as well as his only speech open to the public, was given last night in Beckman Auditorium, when he spoke on "The Drive to the Civil Rights Explosion of the Sixties." Wednesday afternoon Wilkins also spoke on "The Spectrum of Civil Rights Protest Methods" in Winnett.

## More Baseball

(Continued from page 4)

Sandwiched between these two victories was a double defeat at the hands of Claremont on Saturday. Tech played ball just well enough to frighten Claremont and just poorly enough not to win anything. Tech lost the games by scores of 4-1 and 9-7. Enough things went wrong in the second game to make the Tech horsehiders mad enough to make lots of noise the next time they meet Claremont. Look for a real good game this Wednesday when the two teams meet next.

## More Purge

(Continued from page 3)

launched a counterattack that stopped blue dead.

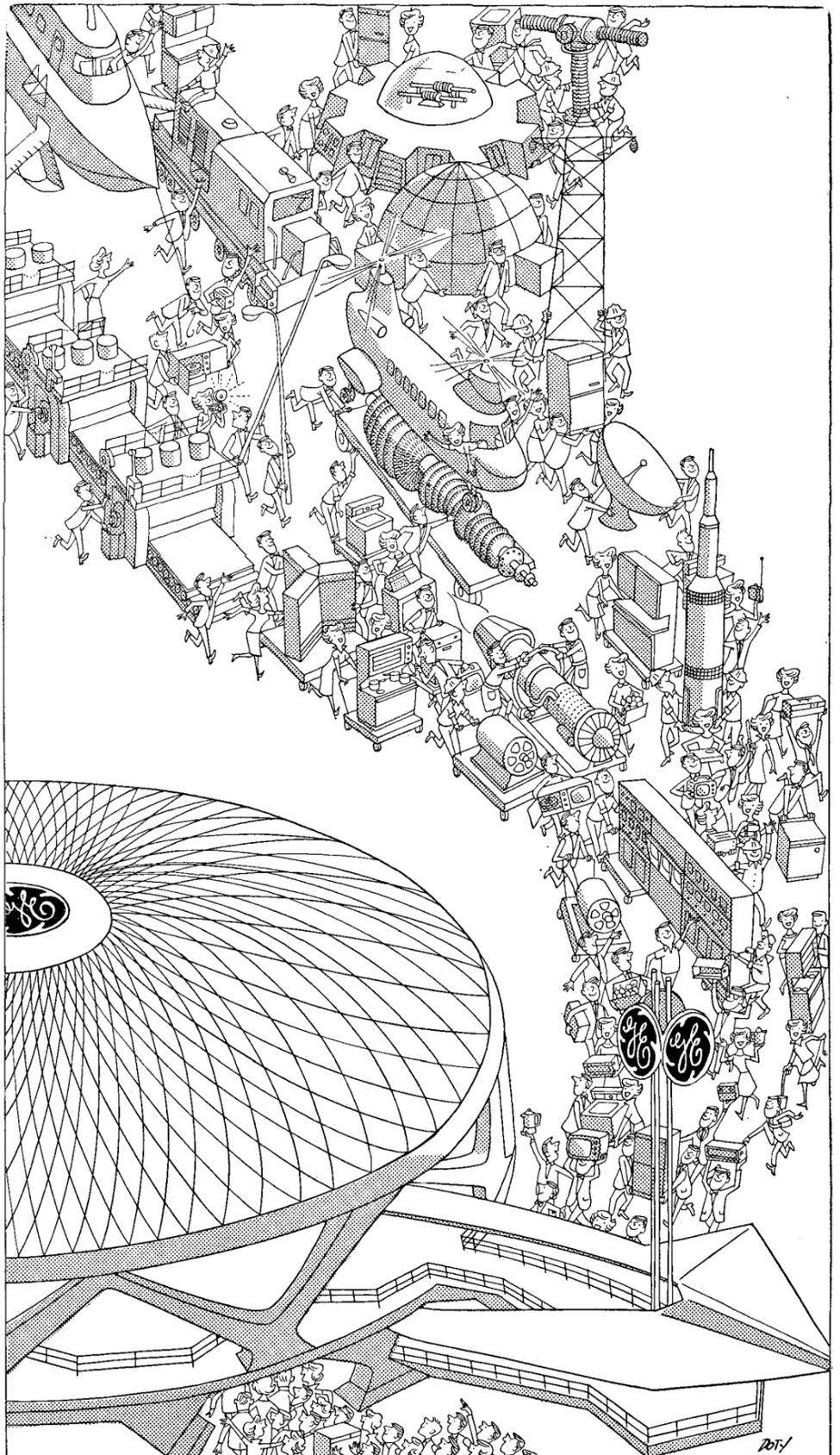
This was the last action of the exercise. The next two hours were spent trying to find a way off the fog-covered mountains. While there was no announced winner, both groups feel certain that they lost something. The general attitude of most of the cadets was expressed by one tired cadet as he ate his steak dinner: "ROTC bites."

# WORLD PREMIERE! ALL NEW! PHOTOQUIZ ALL NEW!



This picture was printed:

- 1) For the hell of it.
- 2) Because it was the only one small enough.
- 3) To insult this idiot.
- 4) On page 7 by mistake.



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care in our hospitals. Ideas for more efficient factories, less-congested transportation, better community lighting, increased highway safety, and more comfortable living at home. And there's the first large-scale public demonstration of nuclear fusion — the energy process of the sun.

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