

## 'Time Of Your Life' To Be Presented

BY BRUCE ABELL

Preparing for an opening next Wednesday night, ASCIT play director Mike Talcott is now beginning to add finishing touches to this year's production, "The Time of Your Life." But time will be taken off tonight for the traditional bit-part tryout, scheduled for 7:30 p.m. in Blacker courtyard. This year's bit part hasn't been designated yet, but interested contestants are reminded that last year's winner had the distinction of tearing the leading lady's clothes off of her. It is rumored that this year's winner may have the honor of tearing the leading man's clothes off, but this is, admittedly, only rumor. Everyone is invited to attend and cheer for their House's entry. Judging will be done by the female members of the cast on the basis of talent, personality and grade point average.

Tickets are now available for any of the four performances. Those people who want to attend the Prom on Saturday will also be able to attend the play if they wish, for the curtain time, 8:30 p.m. on Wednesday, Thursday and Friday, will be 7:30 on Saturday. Tickets are available at the bookstore, Vroman's Art Department, and at the door. If you want tickets for Friday or Saturday, it is advisable to buy them in advance, as

there generally aren't any left by the night of the performance.

Starring in this year's play will be Pat Albee (see *California Tech* April 19), Barry Moritz (a junior) and Ken Evans and John McNeill (both frosh). In addition, the play boasts a fistfull of talent gleaned from the resources of Tech and neighboring cultural oases (Pasadena Playhouse, Westridge, here, there, and everywhere).

Since the production will be in a theatre-in-the-round style with audience on all four sides of the set (including the Culbertson stage), it will be virtually impossible for an actor to secure an accidentally unsecured trouser front without invoking laughter from the audience. Talcott is therefore instituting a "fly-inspection" a few minutes before each act begins. Female members of the cast, or any other non-Tech personnel are expected to be able to take care of themselves.

This article, second-from-the-last in a long series of dead horse-floggings, is sponsored by the Caltech Drama Club and is not to be considered a reflection of the views of the newspaper staff. Or anyone else, for that matter.

## Frosh, Sophs Set For Hop

The annual frosh-soph dance is only a week away: next Saturday, May 12. The theme of the dance will be "Tahitian Holiday," and authentic South Pacific decorations promise to make the dance interesting for appearance alone. Starting at 8 p.m., there will be swimming and dancing in the Alumni pool area, which will last till 11. Then everyone will move into the gym for refreshments and more dancing until 12:30. Towels and facilities for changing clothes will, of course, be provided. Naturally, no smoking or refreshments can be allowed in the pool area itself. Dress will be very casual; you are perfectly welcome to dance in (tee hee) bermudas, if you like.

## Beavers Choose New Members

The Beavers, Caltech's service organization, has chosen its new members. They are seniors Pete Ford, Gary Lorden, Pete Metcalf, Julian Prince, and Carl Rovainen, juniors Larry Gershwin, Ray Plaut, Larry Rabowitz, Jay Russo, and Bob Schmulian, sophomores George Cady, Tom Latham, Bob McEliece, and Art Turner, and freshman Steve Garrison.

The Beavers' primary function is to visit local high schools to talk about Caltech. It also serves as a social organization for "campus leaders." With the latter in mind the Beavers are planning to spend an evening at Dr. DuBridge's home next Tuesday and to throw their traditional party during the Saturday night of Lost Weekend. Rumors have it that John Andelin is preparing geology punch for the occasion.

## Glee Club Gives Concerts



Mrs. Priscilla Remeta conducting the Caltech Glee Club.

This Friday and Saturday evenings at 8:15, the Caltech Glee Club is presenting its annual spring concert in Culbertson Hall. Admission is one dollar. Undergraduate students will be admitted at no charge by showing their student body card.

The program this year features a wide variety of music. There will be works by two modern American composers, Paul Creston and Norman Dello Joio. Also represented on the program are more traditional works by J. S. Bach and Johannes Brahms.

Last Saturday the Glee Club appeared at the annual Intercollegiate Choral Association concert at Long Beach State College. Without a doubt, the Caltech Club was the finest men's chorus present.

Recordings of the Club's repertoire for this year will be available in about two weeks. They will be available through members of the Club or through Mrs. Arnett in Dabney Hall.

Tickets for the concerts tomorrow and Saturday may be purchased from members of the Club, from the Bookstore, or from the News Bureau.

## Cockcroft Delivers Address On 'Problems Of Disarmament'

BY DON GREEN

Last Tuesday night, Sir John Cockcroft spoke to an attentive Athenaeum audience on the "Problems of Disarmament," another lecture in the Carnegie series. The Master of Churchill College of Cambridge, England, Cockcroft attended both the Geneva conferences and the scientific councils held in Moscow and Vermont.

He began by listing the reasons why disarmament was indeed a necessary step and why it must be explored. First, it is our only hope of eliminating the danger of war. Second, another war could well result in catastrophic destruction. Third, the fluctuations of world politics make no situation secure. Fourth, there still exists a danger of accidental war. Fifth, the consequences of the growth in atomic potential of smaller powers,

the nth power argument. And sixth, the ever-increasing economic burden of the arms race.

Cockcroft explained that scientists must of necessity play an important role in the progress toward disarmament. Their technical knowledge, independence from politics, and personal friendships with foreign scientists make them invaluable aids to negotiation. Although disagreements are present with regard to speed and order of disarmament stages, the major powers have a common basic proposal for the program. The stumbling block is the problem of control. While the Russians want to inspect weapons only to be destroyed, the Americans maintain their support for complete and free inspection only. Cockcroft concluded by saying that though definite problems do exist, the free world must be patient with a problem that affects so decisively the destiny of mankind.

## BOD Pays For Post Game Fire

Under the heading of very old business, the Board discussed a bill from B & G for cleaning up the bonfire on California Street following our football victory over Southern California College. The fire was October 28, 1961; we were not billed until sometime in January. The breakdown was \$45.12 for labor and 14.50 for incinerator and dumping. After some discussion, it became apparent that it would be difficult to determine all the individuals involved because of the time lapse. Hence the Board voted to pay this particular bill, but to set the following policy with regard to other incidents: in the future, responsibility for fire or other incidents to be determined shortly after it occurs, so that if clean-up is left to B & G and ASCIT is subsequently charged, the bill can be passed on to those responsible.

Nominations were opened for House Representatives to the Board of Control; they will remain open until May 14. During the same period, students who are not affiliated with a House may register to vote in the house of their choice. Names for both purposes should be submitted to Steve Green in Fleming.

## Notices

### BLOOD DRIVE SUCCESSFUL

In the recent Blood Drive 123 pints of blood were collected, up considerably from last year. Two-thirds of these were given by students. Anyone needing blood should contact Mrs. Sandra Golde, personnel office in Throop, or Russ Brill in Fleming. Russ Brill thanks all that gave blood for their helpful cooperation.

### AWARDS ASSEMBLY PLANNED

The annual spring awards assembly will be held May 24 at 4:15 in the Tournament Park picnic grounds. Festivities will include the presentation of the spring sports awards to lettermen; Honor Keys and Certificates, and the various Interhouse awards. A barbecue steak dinner will follow the ceremonies.

### BROWN NAS OFFICER

Dr. Harrison Brown, professor of geochemistry, was recently elected foreign secretary of the National Academy of Sciences during its annual meeting in Washington, D.C.

### NOMINATIONS REMAIN OPEN

Nominations for officers of the class of 1964 will remain open until tonight. All nominations should be made to Pat Dunne, Blacker. Other classes have closed their nominations.

## Congress Fears CIT Overhead

The Independent-Star News Washington Bureau reported to Caltech on Wednesday, April 18, that the House Appropriations Committee, in submitting its 47.8 billion dollar Defense Department budget, noted that overhead costs were too high at many universities, including Caltech. The Appropriations Committee listed Tech as having a 55% overhead rate on studies in various fields, and proposed to limit overhead rate to 15%.

In a response to this decision of the Appropriations Committee, Lee A. DuBridge stated that he felt that the proposed limitation would be extremely damaging to Caltech, would cause a severe financial loss, and could lead only to a curtailment in research. DuBridge maintained that overhead costs are actually 28% of direct costs; and that the 55% figure applies only to salaries and wages.

The Appropriations Committee noted, in support of its stand, that at present the Department of Health, Education, and Welfare limits its overhead to 15% and stated that the Committee just desired uniformity. In response to this, R. B. Gilmore, assistant CIT comptroller, noted that this present limitation on Health, Education, and Welfare grants was costing each member of the faculty a 5% pay cut. Gilmore felt that the results would be disastrous if the overhead cut in Defense Department grants was initiated.

## Fulbright Scholarships to Be Available

More than 800 American students will be given Fulbright-Hayes Act scholarships to do graduate work in 46 lands in 1963-64.

There are three types of grants available: a full U.S. Government grant provides round-trip transportation, maintenance, tuition, and books, available to 35 countries; a joint U.S.-other government grant provides a travel award from the U.S. Government in conjunction with foreign government grants which provide tuition and full or partial maintenance, available to 17 countries; and a travel-only grant supplements a scholarship received from a foreign government, university, or private donor, available to 7 countries.

Requirements for eligibility are U.S. citizenship, a bachelor's degree, proficiency in the language of the host country, and good health. A good academic record and capacity for independent study are also necessary. Preference is given to applicants under 35 who have not yet been to a foreign country.

Applications for scholarships will be accepted until November 1; requests for applications must be postmarked by October 15. Interested Techmen should see the campus Fulbright adviser or write to the Information and Counseling Division, Institute of International Education, 800 Second Avenue, New York 17, New York.

Editorial

# Wait Another Year . . .

Last week the Faculty Committee on Student Houses announced that it had postponed consideration of rotation for another year. This seems to be becoming a trend. Although the **Tech** is in favor of rotation, and therefore prejudiced, we do believe that the Faculty Committee is not giving the matter a fair chance.

The Faculty Committee is very much against rotation, and every time the matter is proposed, it is just as quickly postponed. There are many very good arguments in favor of rotation as well as against it.

The decision of the new IHC to pursue the subject (after the "tacit agreement" by the old IHC to drop it for the year) shows a definite surge of interest in the subject. In addition, the two houses polled by the IHC were overwhelmingly in favor of rotation. Despite this, the Faculty Committee decided to ignore completely student opinion, and again abandon consideration of rotation.

We sincerely hope that when rotation is considered next year, the Faculty Committee will consider it carefully, taking student opinions into account. The present policy of procrastination must be stopped soon, and now is the best time.

J. C. Simpson  
Richard Karp

## Programs Successful

Although for the past several years the Thursday at 11 hour has not been used for campus-wide activities, this term ASCIT has already put on two folk concerts and plans to include such worthwhile activities as lectures, classical music and jazz concerts, as well as more folk concerts in its future assembly programs. Programs of this sort provide students with an opportunity to enjoy activities that could not be scheduled on a similar basis for evenings, since performers' fees are approximately tripled and admission would have to be charged. Also, student attendance at these activities would drop considerably if they were held at night.

We are glad to see that ASCIT has finally decided to sponsor programs that are enjoyed by a significant portion of the undergraduates as well as by graduate students and faculty members. Keep up the good work.

Larry Gershwin  
Richard Karp  
J. C. Simpson

## ROTC Squadron Hunts Foxes

BY J. C. SIMPSON

Early last Saturday morning the Caltech AFROTC squadron temporarily converted a hilly, rugged cow pasture into enemy-occupied territory for a full scale field exercise. The exercise was planned to give the cadets an opportunity to demonstrate leadership, and to become more familiar with military organization.

The detachment fanned out over the area, a mile square on the maps but closer to two square miles on foot, in an attempt to track and capture three of the staff officers who were serving as "foxes". These "fox-

es" spent the morning hiding and running in an attempt to prevent their capture by any of the pursuing teams.

Dave Kauffman, as commander, spent the day co-ordinating the exercise, and managed to capture a tarantula who wandered naively into headquarters. One of the "foxes", retired commander Gary Chamness, was captured when he made a frontal attack on one of the squads, apparently out of disgust at lack of recognition. The only two casualties are now in the Health Center with severe cases of poison oak.

## Letters

Editors:

Concerning your editorial last week on rotation, I believe it might be constructive to make a few comments. Before getting accused of being a rabid anti-rotationist, I would like to state that I am in favor of rotation despite my lack of enthusiasm for it.

So far this year in both the new and old IHC's and in the **Tech** I have seen very little legitimate reason for being in favor for rotation. It is an emotion packed issue, and for some silly reason a large proportion of the louder members of the student body think that it is the salvation of all the ills of undergraduate life. This is by no means true. Three years ago when we did have rotation, everyone was complaining about the lack of spirit and the really-carism of the Caltech undergrads. I don't think that things have changed that significantly.

What have been the effects of no-rotation on the student Houses? There has been a loss of spirit in some of the student Houses. Why? One reason is that the upperclassmen don't have the initiative to put in the effort to integrate properly the new freshmen into the House and for that matter into the student body. Rotation is an artificial system for building spirit and interest. It works because it builds a dog-eat-dog, chauvinistic interhouse rivalry. Houses encourage participation in extracurricular activities because they have to prove that they are the best on campus. This kind of rivalry is neither friendly nor healthy. If it is the only basis for House spirit, then you can have it. I believe in friendly rivalry as a tool for building spirit, but if the Houses cannot find a better reason for their existence, we might as well have dorms.

If a system of rotation can be found that is safeguarded from some of the faults of the past, it could be a useful tool for building spirit. It would give a freshman the chance for choice, and also the chance of becoming acquainted with members of other Houses before being cloistered in a single one. Although his choice may not be particularly rational, the freshman does gain a sense of belonging. It also gives the Houses an artificial means to get the old members working together after a summer layoff.

Despite all this, rotation does not solve the daily problems of House spirit or, for instance, the third term slump. It certainly does not attack the serious lack of intellectualism in the student Houses. We are not going to have rotation in the immediate future, so it would be advisable for the present administrations of all the student functions to plan carefully alternate tools for building spirit. Stop looking back to the "good old days" (they weren't that good) and be willing to put a little genuine effort into the integration of freshmen and the maintaining of spirit. If the Houses and other extra-curricular activities are worth having and are worth the effort to maintain them, they won't die because of no-rotation.

Pete Ford

## Scrippsies Call Us Aggressive

Monday night saw the most successful YMCA dinner forum of the year with a panel discussion on the subject "Sex and Women." The panel consisted of six Scrippsies—Nina Menzies, Vale Goldman, Dana Cook, Lee-Ann Salisbury, Sandy Cannon, and Lisa Wilson—and Mrs. Pat Swedlow, wife of a Caltech grad student. The discussion was handled essentially as a question and answer and comment session, with the topics first suggested by the moderator, Wes Hershey, and later by the more than 100 Techmen in the audience.

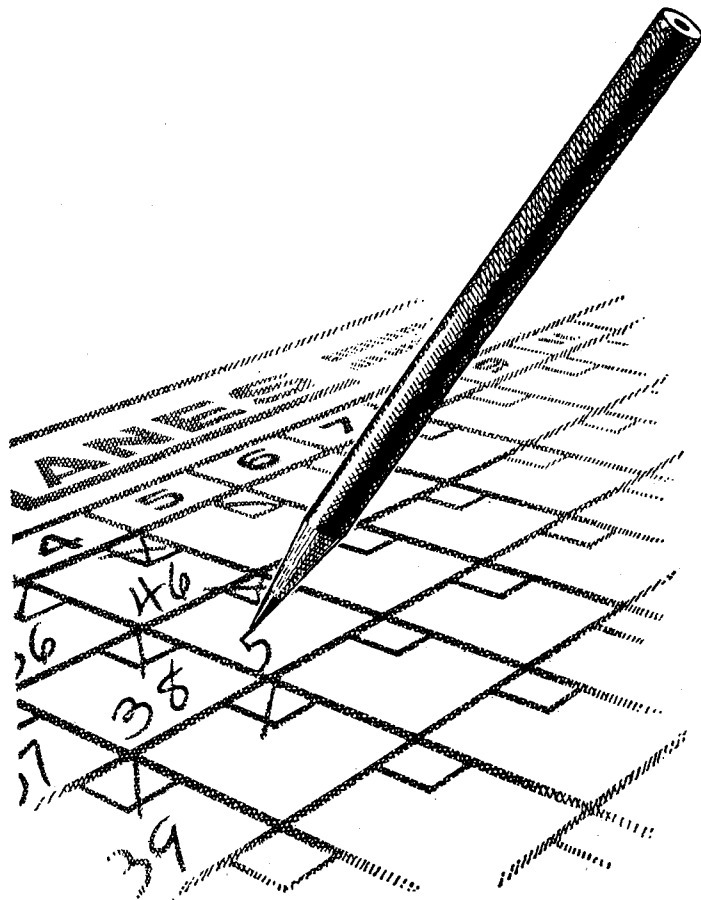
The topics receiving the most attention during the evening were the 'Scrippsie image of Techmen,' the sort of things a girl looks for in a date and in a man, the differences (if any) between a typical Techman and a typical CMC type, and the Scrippsie attitude toward the

concept of a date as a "husband-catching" opportunity. On most of these subjects there was actually no consensus of opinion, but a few points were emphasized strongly by some of the girls. Most of the panelists warned that Techmen shouldn't compensate for lack of social confidence by being overly aggressive on early dates, but should rely on 'simple sincerity' and 'just having fun together' to form a solid basis of 'friendship' for future dates. The girls they do not like exchanges of also commented on the fact that the "Records and dance" sort as a vehicle to meet Techmen; planned activities of the Scripps-Tech conference type seemed much more popular. The girls, although understandably leery under the circumstances, were quite free with their opinions, and the evening proved to be both entertaining and informative.

### UNITARIAN PUBLIC FORUM CAREY McWILLIAMS

Editor, *The Nation*, Speaks on  
"The Ethics of Affluence"  
Friday, May 11, 8 P.M.

First Unitarian Church, 2936 West 8th Street, L. A.  
Donation \$1.00 Question Period



## BOWLING ToNIGHT?

...*this*  
calls for  
**Budweiser.**

Enjoy  
the King  
of Beers!



where  
there's life...  
there's Budo

ANHEUSER-BUSCH, INC. • ST. LOUIS • NEWARK • LOS ANGELES • TAMPA

## California Tech

Published weekly during the school year by the Associated Students of the California Institute of Technology, Incorporated.

### Editors-in-Chief

Larry Gershwin, Richard Karp, J. C. Simpson  
News Staff

Walt Deal, Don Green, Bob Greenwald, Dave Helfman, Bob Liebermann, Jay Lippman, Pete Lippman, Ray Plaut, Rodger Whitlock, Hal Wyman

### Feature Staff

#### Gene Fellner, Editor

Marc Kaufman, Roger Leezer, Fletch Murphy, John Newmeyer, Carl Rovainen, Steve Schwarz

### Make-up Staff

#### Alan Hindmarsh, Editor

Grant Blackinton, Don Burtis, Gerry Steiner, John Turecek

### Sports Staff

#### Gary Chamness, Danny Romm, editors

Pete Ford, Thor Hanson, Al Luskin, John Letcher, Dave Ollis, Walt Paciorek, Ray Plaut, Frank Schultz

### Business Staff

#### Lee Molho, Manager

Circulation: Howard Monell

California Tech, 1201 East California Blvd., Pasadena, California.  
Member of The Associated Collegiate Press  
Second Class postage paid at Pasadena, California  
Printed by Bickley Printing Co.  
Represented nationally by National Advertising Service, Inc.  
Subscriptions: \$1.00 per term, \$3.00 per year. Write: Circulation Manager.

Drugs Sundries Cosmetics Tobaccos

### CALIFORNIA REXALL PHARMACY

555 S. Lake SY 2-3156  
Breakfast Lunch Dinner



# Swimmers Snatch Firsts In Oxy Meet

BY DAVE OLLIS

Overcoming strong teams and an always troublesome pool, the Caltech varsity and freshmen swimmers came home victorious after last Friday's meet at Occidental. Occidental's varsity was clipped 53-42 to take second place in the league behind Caltech's defending champions.

This victory marks the fourth dual meet championship for Caltech in the last five years—certainly a proof of Web Emery's skill as a swimming coach.

Occidental opened the meet with a victory in the 400 yard medley relay; Dave Seib and Jim Shaw evened the running score at 8-8 by going one-two in the 220 freestyle. Bruce Chesebro and George McBean grabbed first and third respectively in the freestyle 50 yard sprints, then Gary Turner placed second as Occidental picked off first and third for the 200 yard individual medley to tie the score at 17-17.

Diver Art McGarr took second, topped by Reichel of Oxy, and the Tiger's Anderson won the butterfly with Tech's Duygu Demirlioglu and Sherman Gratch runners-up to give Occidental a 28-24 lead.

Chesebro and Gary Mitchell swept the 100 yard freestyle, but Mitchell was disqualified for missing a turn. Turner and Shaw returned to finish one-two in

the 200 backstroke, putting the Beavers back in control 37-33.

Seib and Mike McCammon added three points to Tech's margin, placing one and three in the quarter mile freestyle.

Al Huber finished second in the 200 breaststroke, leaving the meet still in question at 46-42 for Caltech.

Once again the free relay of McBean, Seib, Mitchell, and Chesebro brought the meet to a victorious close with the final score 53-42, Caltech.

## Frosh Top Tigers

The frosh combined speed and a slight edge in depth to down the Tigerbabe 45-41. Ted Jenkins picked up a tie in the 100 freestyle in :59.1 and a second in the 220 free; Chuck Smythe won the diving event, and Jerry Nelson cruised to a win in the breaststroke. Trailing by two points before the final event, the freshmen rose to the occasion and won the 400 free relay with a time better than that of Oxy's varsity.

Tomorrow afternoon at 3:30 the S.C.I.A.C. swimming finals will begin at the Alumni Pool. Occidental, Whittier, Pomona, Redlands, Claremont - Harvey Mudd, and Caltech will compete as Tech strives to renew another conference title. Poolside bleachers will be set up for the expected crowd.

# Whittier Beats Tech Trackmen In Tight Contest

Whittier College topped the Caltech varsity track team 68 to 61 last Saturday afternoon at Tournament Park, while the freshmen lost 79 to 52.

The varsity meet was close all the way, and it was the final mile relay which decided it against Tech. This was the last dual meet of the season for coach Bert LaBrucherie's trackmen as the varsity wound up the season with a 2-4 overall record. The frosh stand at 1-3.

George Radke led the varsity with victories in the discus and the shot put at distances of 139' 2" and 45' 6" respectively. Despite having just recovered from a broken ankle, John Letcher went over 5' 8" to tie for first in the high jump. Hopefully Letcher will regain his pre-season form to give the team support in next week's conference finals. In the sprints Jim Klett won the 220 in :22.7 and took second in the 100.

Bill Hassenzahl looked sharp in winning the 880 in 2:02.6 and should be in top shape for the finals. Senior John Curtis captured the 120 high hurdles in :17.1 and took third in the 220

low hurdles. The pole vault was swept by Steve Gorman and Ed Cline, who tied for first at 11' 6". Second places were picked up by Charley Ryavec in the 440, Bill Schoene in the javelin, Geary Younce in the 220 lows, and John Caywood in the two mile.

In the frosh meet Neal Wright turned in the outstanding performance for Caltech with a 2:01.8 timing for first in the 880. Earlier Wright was third in the mile. Al Cooper took the low

hurdles in a good :26.4 and placed second in the highs. Jon Evans won the discus with a heave of 120' 7" and was third in the javelin. Steve Garrison vaulted 11' 6" to take first in the pole vault. The team of Jim Stadler, Mike Entin, Al Cooper and Kendall Brown won the 880 relay by a wide margin in 1:34.1.

The SCIAC prelims were yesterday at Claremont, and the Finals will be held tomorrow night at Oxy's Patterson Field beginning at 7:30.

EDWIN PEARL PRESENTS

## THE CATCH CLUB

**Bonnie Dobson**  
Dennis O'Connor

Songs of England, Canada & Ireland  
Through May 20

# ASH GROVE

8162 MELROSE OL 3-2070

# Beaver Stickmen Drop Three; Frosh Fare Badly In Series

The Caltech varsity baseball team lost to C-HM last Wednesday 11-4 and dropped a pair to Biola Saturday 7-3, 4-0.

Pitcher Bill Ricks went the distance against Claremont, striking out twelve and walking only five. Left-handed Bill Weber smashed a triple into right field in the first inning and scored on a single by Dave Hewitt. In Tech's end of the fourth, catcher Carlos Johnson hit a two-bagger to score Jim Whittington and then crossed the plate himself on a single by Bob Gilman and an error. Bob Liebermann led off with a single in the fifth, stole second, and came home as Ricks made a base hit. Defensively, the team distintegrated in the fourth inning to allow seven runs; there were no other errors.

Bill Weber played fine baseball Saturday against Biola, pitching the first game for the injured Ricks and picking up a home run to score himself and Tom MacDowell. Whittington made the third Tech run on a single by Marty Hoffman; Liebermann and Les Tomley also accounted for base hits.

Hewitt took the mound for the tightly played second game, giving up no hits in the first four innings and no runs in the first six. In the seventh, however, Biola picked enough holes to score four runs and gain the win. Johnson socked a double for Caltech and Hewitt and Dick Stanton each collected singles.

The team played at Whittier yesterday and will meet Pomona for a double header here Saturday at 1:00.

## Frosh Lose Three

This week the frosh dropped games to C-HM, 7-2, Biola, 14-6, and Pasadena Nazarene, 15-0. Murray Sherman hurled nine

full innings at Claremont on Wednesday and again at Biola Saturday. Jerry Gowen, with a little last-inning assistance from Guy Jackson, pitched the last one against Pasadena Monday afternoon.

Steve Hall hit a long double against C-HM, while Jackson, Mike Rosbash, and Steve Blumsack picked up singles. At Biola, John Radin led the team with three singles, followed by Sherman and John Hsu, two hits apiece, and Gowen and Rosbash, who each got singles. But Pasadena held the Techmen to a lone base hit by Phil Beltran. Leading hitters so far are Jackson with a .242 and Radin with .230.

Yesterday the frosh met Whittier, and Saturday the team will journey to play Pomona at 2:00.

## ALVIN'S Photo Supplies

Finest Camera Store  
With Competitive Prices  
Processing +  
504 South Lake  
SY 5-4327

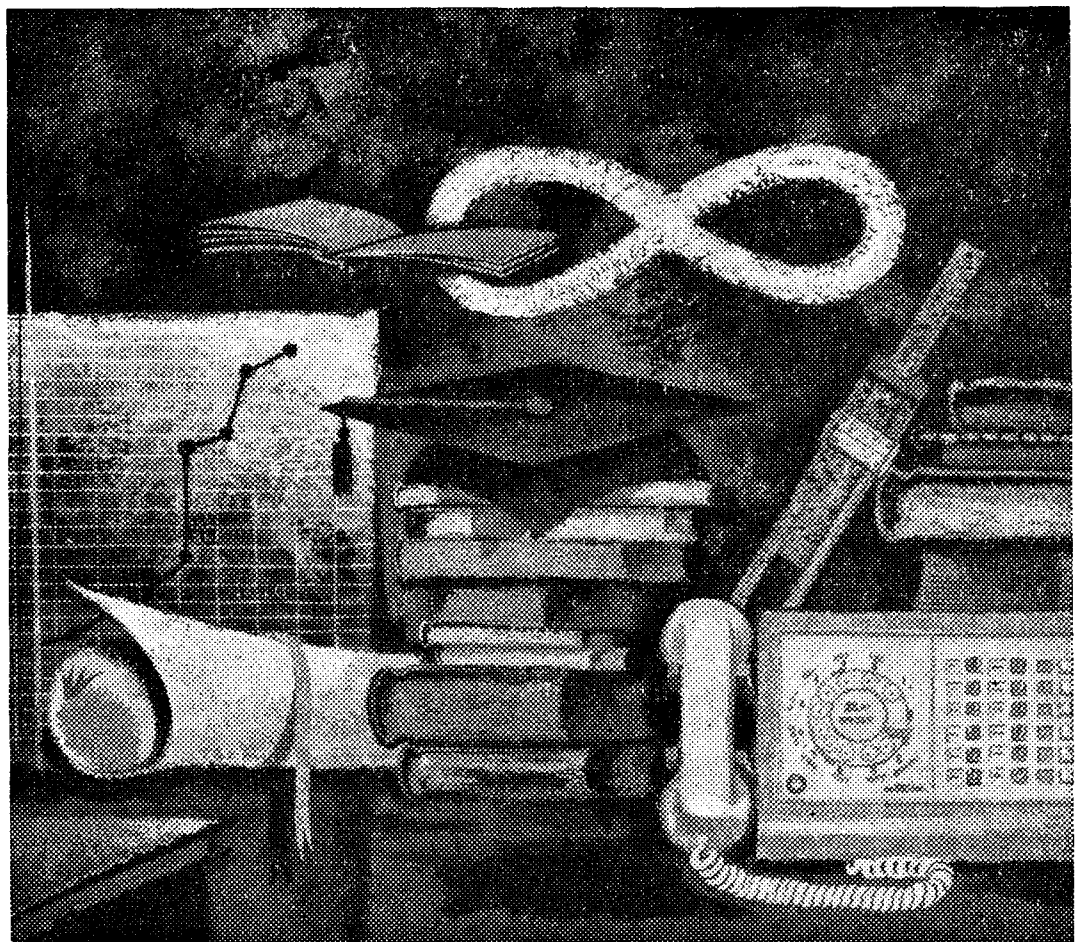
## THE CAMPUS BARBER SHOP

New Location:  
South End of T-4

ALL HAIRCUTS

\$1.50

Two Barbers to Serve You



## Learning never stops for engineers at Western Electric

There's no place at Western Electric for engineers who feel that college diplomas signify the end of their education. However, if a man can meet our quality standards and feels that he is really just beginning to learn... and if he is ready to launch his career where learning is an important part of the job and where graduate-level training on and off the job is encouraged—we want and need him.

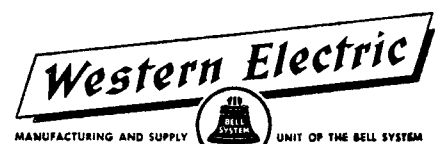
At Western Electric, in addition to the normal learning-while-doing, engineers are encouraged to move ahead in their fields by several types of educational programs. Western maintains its own full-time graduate engineering training program, seven formal management courses, and a tuition refund plan for out-of-hours college study.

This learning atmosphere is just one reason why a career at Western Electric is so stimulating. Of equal importance, however, is the nature of the work we do. Our new engineers are taking part in projects that implement the whole art of modern telephony, from high-speed sound transmission and solar cells to electronic telephone offices and computer-controlled production techniques.

Should you join us now, you will be coming

to Western Electric at one of the best times in the company's history. In the management area alone, several thousand supervisory jobs are expected to open up to W.E. people within the next 10 years. And our work of building communications equipment and systems becomes increasingly challenging and important as the communications needs of our nation and the world continue to increase.

Challenging opportunities exist now at Western Electric for electrical, mechanical, industrial, and chemical engineers, as well as physical science, liberal arts, and business majors. All qualified applicants will receive careful consideration for employment without regard to race, creed, color or national origin. For more information about Western Electric, write College Relations, Western Electric Company, Room 6206, 222 Broadway, New York 38, New York. And be sure to arrange for a Western Electric interview when our college representatives visit your campus.



Principal manufacturing locations at Chicago, Ill.; Kearny, N. J.; Baltimore, Md.; Indianapolis, Ind.; Allentown and Laureldale, Pa.; Winston-Salem, N. C.; Buffalo, N. Y.; North Andover, Mass.; Omaha, Neb.; Kansas City, Mo.; Columbus, Ohio; Oklahoma City, Okla.; Engineering Research Center, Princeton, N. J.; Teletype Corporation, Skokie, Ill.; and Little Rock, Ark. Also Western Electric distribution centers in 33 cities and installation headquarters in 16 cities. General headquarters: 195 Broadway, New York 7, N. Y.



AUDIENCE

By Steve Schwarz

# Page, Lloyd Take Lead As Interhouse Volleyball Opens

BY GARY CHAMNESS

The interhouse volleyball season began Monday with victories for Fleming, Page, and Ruddock. Only Page managed to score again on Tuesday as Dabney and Lloyd also entered the winners' column.

The Lloyd team, paced by sharp-spiking Joe Christensen, beat Fleming in its first game Tuesday and may be a good bet to take first place. Fleming, which topped Dabney on Monday, figures to place high with the sharp play of Roger Korus and the experience of Chuck Radoy. And player-coach Dave Stoutemyer should lead Page to a good season in spite of a close call with Blacker on Tuesday.

After dropping their first contest to Fleming, Dabney rallied around Ray Fernandez to beat Ruddock Tuesday. Ruddock has featured Starr Curtis (missing Tuesday) and Dmitri Papanastassiou. Fred Dorr coaches a balanced Ricketts team led by Butch Lungershausen, while Dave Pritchard and Al Whittlesey have played well for Black-

# Bring Wickets For Cricket

Under the auspices of that noted mentor of British Empire sports, Dr. Robert Huttenback, the Caltech cricket club will hold an organizational meeting Saturday at 9 a.m. at Tournament Park. Dr. Huttenback exclaimed, "All those who have ever had the urge to play this intriguing game are urged to come out and try their hand. No experience is necessary. Come and learn about the sport that built the British Empire."

He added that the club is the worthy successor to the Senile Seven Plus Four, the soccer team which he has led to victory in recent years.

er. Results through Tuesday, winner listed first, follow:

## MONDAY

Fleming-Dabney, 15-10, 15-10  
Page-Ricketts, 13-15, 15-6, 15-5  
Ruddock-Blacker, 15-8, 15-8

## TUESDAY

Dabney-Ruddock, 15-3, 8-15, 15-12  
Lloyd-Fleming, 15-8, 15-10  
Ruddock-Blacker, 15-8, 15-8  
Page-Blacker, 13-15, 16-14, 15-13

## Standings

Page	2-0
Lloyd	1-0
Fleming	1-1
Dabney	1-1
Ruddock	1-1
Ricketts	0-1
Blacker	0-2

## FRENCH RUSSIAN SPANISH ITALIAN GERMAN JAPANESE

THE BERLITZ SCHOOL OF LANGUAGES

PASADENA, 170 SOUTH LAKE AVE., SYcamore 5-5888

PRIVATE INSTRUCTION

SMALL CLASSES STARTING NOW

Native Teachers Day or Evening Free Trial Lesson

**THE LOWER DEPTHS**  
at the Toho La Brea Theater  
"Natasha, close the eyes of Ivan Petrovitch, they disturb me."

"Do not fear, Fyodor Pavlovitch, there are no ghosts. Hell is here."

"Pah! his smell is vile. Why must we sit here, starving and staring at this rotting corpse?"

"It is the system, Fyodor Pavlovitch, it is the system."

Actually Maxim Gorky didn't quite write it that way, but you get the idea. Perhaps **The Lower Depths** is the very best-known of all the offsprings of naturalism — that mixed marriage of literature and science that produced mostly misery and has since ended in divorce. Now Japan's great director Akira Kurosawa has adapted **The Lower Depths** for the screen, and he has done, as usual, a wonderful job. It is incidental that in doing so he has encountered naturalism's law of diminishing returns: the more successfully you do it, the more depressing it becomes.

As with Kurosawa's recent masterpiece **Throne of Blood** (which was taken from **Macbeth**), the locale has been shifted to Japan but the story line left much as the original. There is a room in the slums of Tokyo, and in it live the dregs of humanity: paupers, beggars, thieves; illusioned and disillusioned; healthy and dying. Remarkably enough they begin to seem human; we begin to feel for them and understand them. There comes a pilgrim, a good man, who tries to help them and make them to understand. It is hopeless; in their world hopelessness is a foregone conclusion, and misery a law of nature. The naturalist has been successful in getting us to feel for his creations, and we are dismayed; yet since our own world is not so hopeless, we at least can be made to understand.

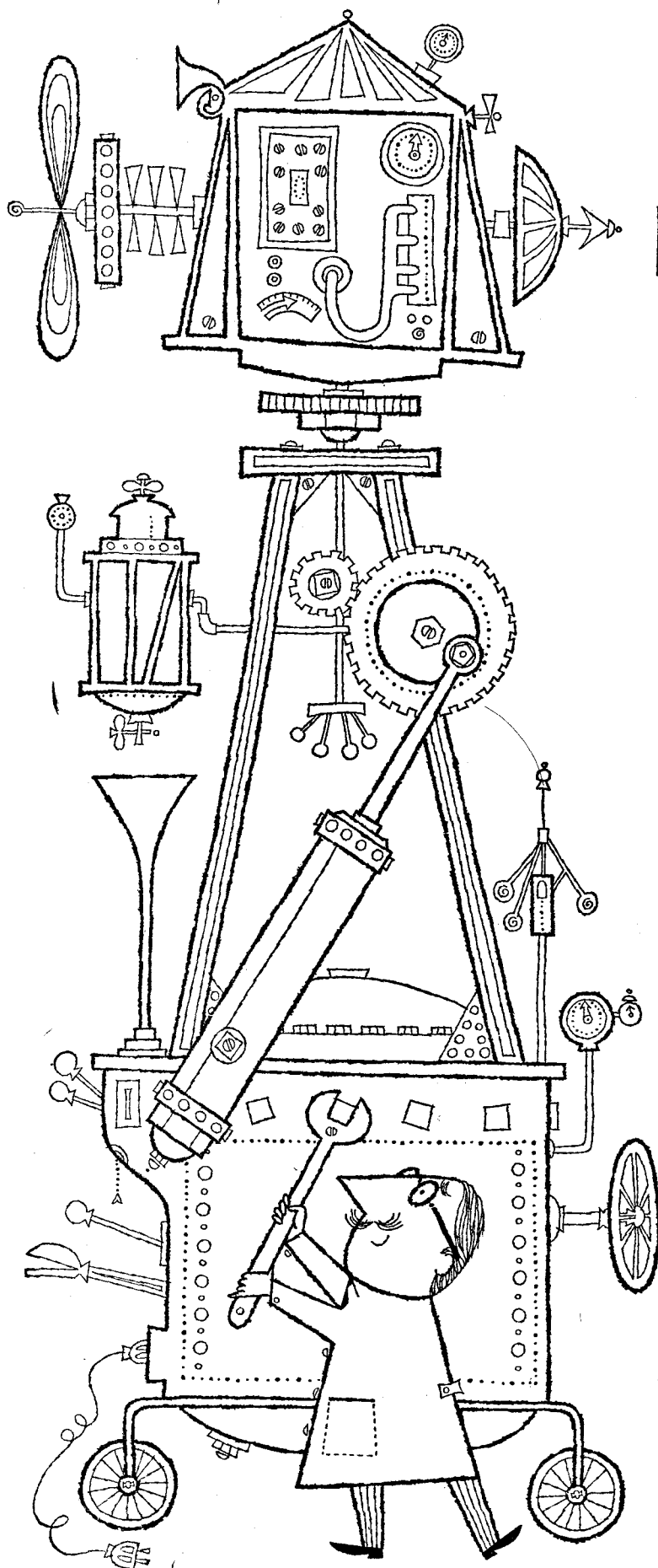
Toshiro Mifune, brightest star in Kurosawa's galaxy, has come down a long way, from Lord of Cobweb Castle to thief in the lower depths of Tokyo. This part does not like him nearly so well; he is at his best as a grimacing, screaming samurai — behavior

## Tech Golfers Top Redlands

The Caltech golf team continued its recent hot streak by downing the University of Redlands 31-23 at the Redlands Country Club Friday. The win boosts Caltech into fourth place in the SCIAC with a 2-4-1 record. Friday's performance was far and away the team's best effort of the year, as the average score per man was only 86½ strokes. This is encouraging, since the Redlands course will be the site of this year's conference tournament.

Ken Larson (83) and Frank Schultz (87) played well but not spectacularly. It was third man Chuck House who came through with the decisive points. Chuck fired an 84, his best round of the year, and won all his points easily. His partner, Dave Hyde, chipped in with a 91 and won all but one of his points. Gary Dahlman and Fred Dorr both shot 90's to complete the well-balanced team effort.

The golfers return to Brookside tomorrow for their last home match against an excellent Pomona team.



perpetual motion?

No! But scientists and engineers at Ford's research and scientific labs do deal in perpetual notions — and they have more than a few about what might be commonplace in the future, some of them just as startling.

Studies at Ford involving new energy sources and improved materials may help bring jet-propelled cars with gyro stabilizers... automatic driving controls... flying automobiles and wheel-less vehicles that glide on a cushion of air... vehicles propelled by atomic energy... plastics with the strength of conventional metals... adhesives that replace welding... radar and other electronic controls to assist or replace the driver in many situations.

Basic studies in these and other fields are just part of a continuing program of progress aimed at reinforcing Ford's leadership through scientific research and engineering.



MOTOR COMPANY

The American Road, Dearborn, Michigan

PRODUCTS FOR THE AMERICAN ROAD • THE FARM • INDUSTRY • AND THE AGE OF SPACE