

by Gleason

Complete in 25 words or less: Miss Fran Hamblin and Ken Evans, Stella Stanley in **STREETCAR NAMED DESIRE**, .....

## Carter, Evans star in Drama Club presentation

The Caltech Drama Club made its premiere showing of Tennessee Williams's 1947 play **A Streetcar Named Desire** last night in Culbertson. Performances will continue nightly at 8:30 p.m. through Saturday; admission is one dollar.

The Club is directed by Robert Capps of Portland, Oregon. Capps has had much experience with amateur groups and is planning to start a theatrical workshop in Pasadena.

Leading the cast is Miss Tina Carter of PCC, who plays Blanche DuBois. Blanche's sister, Stella, is portrayed by SC's Miss Fran Hamblin; Stella is married to Stanley Kowalski, played by Cal-

tech's Ken Evans, producer of the show. Director Capps rounds out the main characters as Mitch.

Grant Blackinton is in charge of lighting and sound, while Ron Adcock and Sven Anderson get credits for the props and set.

### Stella in squalor

The story takes place in the dingy Kowalski apartment in the French quarter of New Orleans. Blanche has come to visit her sister after supposedly being forced to give up their family's old plantation in Mississippi. Initially, she is disgusted with the relative squalor of her sister's life and the seeming boorishness of Stella's husband.

Friction between Blanche and Stanley increases, even though she becomes attached to his army buddy Mitch. The story reaches a climax when Stanley learns what Blanche's real reasons were for coming to visit for such a long time; Mitch rejects her, and she is left alone with Stanley when Stella suddenly goes to the hospital to have a baby. The play depicts the moral disintegration of Blanche and the evil she spreads in the process.

**A Streetcar Named Desire** is fraught with tense character struggle, sex, degeneracy, and drunkenness; nevertheless, humor is interspersed everywhere. Especially heartwarming is the third scene, which vividly describes the happy life of an average American family.

**A Streetcar Named Desire** was originally produced by Irene Selznick at the Barrymore Theater in New York City. This first presentation was directed by Elia Kazan.

## Notices

### SPRING AWARDS ASSEMBLY

The Spring Awards Assembly will be held on Wednesday, May 26, at 4:30 p.m. in Tournament Park. All spring athletes and honor award winners are invited to attend. A steak barbecue will follow: \$1.25 for athletes and honor award winners, \$2.00 for others. Buy tickets in your House, or from John Walter, 114 Lloyd.

### ALPHA PHI GAMMA

One of the most active campus fraternities will meet next Monday in the **Big T** office. All members attend and vote your friends into ridiculous offices.

### THE UNTOLD STORY OF KATANGA

and two other films will be shown at 7 p.m. tonight in Clubroom 1. Caltech Young Republicans invite you to see these films.

### A J. KENT CLARK COMEDY

will be seen tomorrow at 6 p.m. during the Frosh Diner's Forum.

# ASCIT, Classes, Beavers Name next year's leaders

Doug Holford will be next year's Senior Class president. Doug Eaton and George Sharman will vie for leader of the juniors in today's run-off election; Les Fettig opposes Greg Kourilsky for the sophomore presidency.

### Other offices

Results of yesterday's election for the seniors pit Walt Davis versus Joe Tymczyszyn for vice-president, and named Jerry Yudelson treasurer, Pat Miller secretary, and Doug Gage athletic manager.

For the juniors are vice-president John O'Pray, secretary Martin Smith, and athletic manager Don Blair; Anthony Gharrett, Bob Miller, and D. E. Peterson will run off for the coveted office of treasurer.

The class of '68 chose Sam Logan vice-president, Dick Wright secretary, and Ralph Kimbrell athletic manager. Mike Saulney, Bruce Stern, and Hank Thacker will battle it out for treasurer.

### BOC chosen

Newly-elected House representatives to the BOC are Ed Robertson, Blacker; Sean Solomon, Dabney; Mike Saulney, Fleming; and Martin Oiy, Ricketts. Gray Jennings and Andy McKay of Lloyd, Alan Porter and Lee Myers of Page, and Gary Bornzin and Bob Dickenson of Ruddock face each other in run-offs in their respective Houses.

### Appointive offices

The ASCIT appointive offices were approved by the Board of Directors in an important meeting last Monday night.

The new Students' Day chairman is Sean Solomon. Bill Rosen-

berg is the new Assembly chairman, while the triumvirate of Greg Shuptrine, Martin Smith, and Eric Young will integrate their acid wits to eat through next year's frosh with the **little t**. Next year's darkroom chairmen are Kim Gleason for the Winnett darkroom and York Liao for the old Houses' darkroom. George Solomon, John Tucker, and Jerry Sharman will be the new **Big T** business manager. And Bill Sampson will be next year's esteemed yell-leader.

### EPC filled

For the Educational Policies Committee, 14 Teckers were chosen out of the list of 27 which were approved by the BOD. Half of those nominated were juniors: Gary Borzin, Phil Laipis, Louis Newman, Carl Scandella, Sean Yudelson. The five sophomores who made it are: Bob Berry, Gary Cristoph, Dan Erickson, John Eyler, and Dick Hackathorn. Sam Logan and Dave Shirley were the only frosh appointed to the EPC.

### Busy Beavers

The Caltech Beavers elected 22 new members last Monday; new

officers had already been elected April 15.

The new officers are: Jerry Yudelson, president; Lenny Fisher, vice-president; Eric Young, secretary; and Gordon Myers, treasurer. The fourteen new seniors elected are: John Beamon, Grant Blackington, Stan Christman, Jim Crabtree, Jim Eder, Jon Evans, Bob Gillon, Yance Hershi, Dave Jarvis, Tom Menses, Hugh Maynard, Butch Niell, Murray Sherman, and Arden Walters.

Five juniors have also become Beavers. They are: Stu Galley, Lee Myers, Howard Powell, John Walter, and Tom Williams. Two sophomores, Lot Ensey and Marty Smith, and one frosh, Sam Logan, were given the ultimate honor of being the only underclassmen elected to membership in the Beavers.

The Caltech Beavers are an old, established group on campus which was originally organized as a service organization. The Beavers later drifted into inactivity, until around 1960-61, when they again reorganized along the same lines.

## Students to use brain

The Faculty Computer Committee, chaired by Booth's Dr. Gilbert McCann, proposed Monday four ways to integrate Caltech's computing facilities into undergraduate education.

One approach is to require computer use in certain courses. Students in Physics 1 and 2 might have several hours of computer instruction, with problems requiring use of the computer. Or, more computer-oriented electives might be made available.

### Fund for students

Another possibility is a super-Quiktran which would be able to instruct students in programming. Finally, the committee proposed turning over six to ten remote consoles to the students, as well as allotting several thousand dollars a term to ASCIT for student use of the central system.

In this way one of the main obstacles to student computer use is overcome. Federal government contract work is done at Caltech; hence by law Caltech must charge all users of the computer at least as much as the government is charged. Thus every minute that a student runs the 7094, somebody must pay five dollars.

### Classroom stations

The committee suggested two kinds of remote stations: the typewriter console, such as used now for Quiktran, and a larger station equipped with a CRT (cathode ray tube) display for classroom use. The large stations would be used in classrooms in Booth and Steele, and these would be connected via closed circuit TV to other classrooms. Later, if use justified the cost, more of these CRT displays would be set up around campus.

The committee recommended that several typewriter consoles should be put in a special lab, with a supervisor on duty to help with programming problems. The other consoles would be scattered

around the various labs on campus.

There are many other committees besides the faculty computer committee which must approve of these plans before anything can happen. Yet it is relatively certain that in the years to come the students will benefit from an increased contact with computers.

## Frosh Camp Counselors Announced

The Student Camp Committee has named 35 counselors for the 1965 Frosh Camp. Distributed through all seven Houses, the counselors will return to Caltech by next September 22 to meet the new students and attend a camp planning meeting. September 23-25 will be spent at Camp Radford, where the counselors will help give the fledgling frosh their introduction to Caltech.

From Ruddock come Fred Brunswig, Stu Galley, Tom Williams, Fred Lamb, Martin Smith, and Eric Young. Ricketts will send Tom Oberjat, Gary Ratner, Bruce Hudson, Greg Kourilsky, and Sam Logan.

Counselors from Blacker are Larry Anderson, Mike Cunningham, John Eastment, Lot Ensey, and Dan Erickson. From Dabney come Jim Pearson, Howard Powell, Jerry Yudelson, John Eyler, Mark Satterthwaite and Len Erickson.

Page will send Bill Colglazier, Lee Meyers, Carl Scandella, Dave Goodmanson, and John Stevens. From Fleming are Walt Davis, Gordon Myers, George Sharman, and Ed Perry. And the Lloyd contingent includes Len Fisher, Dick Hackathorn, John Walter, and Bob Piccioni.

Editorials

# Let's Apply Math

This school was built on the premise that the more theory a man has under his belt, the better scientist or engineer he will be. To this end, most of our courses tend to stress theory more than application. This is done to such an extent that in Dr. Weir's recent Alumni Survey, "A frequent comment was that the engineering courses were not practical."

This philosophy is reflected in the Ma 1 and 2 changes. Next year these courses will be taught with more emphasis on theory and even less emphasis on the practical aspects. This will certainly be an improvement for the mathematicians and physicists, who will be taking more math courses in the junior and senior years.

But what about the chemists, engineers, biologists, and the humanitarians? Will a theoretical treatment of math help them? Quite a few people think so, reasoning that if a person knows the theory, he can either psych out particular problems or take an upperclass course in applied math.

Well, that may be so, but wouldn't it work just as well the other way around? Wouldn't an applied math course be an advantage to this second group? Then if they wanted or needed theory, they could take an elective course. To us, both approaches seem equally reasonable.

Furthermore, at Tech, students have always been considered mature enough to be given a great deal of personal and academic freedom. Now, if frosh are mature enough to get along without grades, shouldn't sophomores be able to decide whether they would benefit more from a theoretical or an applied math course?

We think that sophomores should certainly be required to take a math course, but that they should have the opportunity to take either an applied or a theoretical course. We feel that if this were done, there would be less ill feeling about the situation and some students would benefit more from the course because they would find it more interesting.

—Bob Berry  
Norton Grenfeld  
Tim Hendrickson

# Schmidt extends universe

Caltech astronomer Dr. Maarten Schmidt's recent determination of the red shifts in five quasi-stellar radio sources has significantly pushed back the limits of the known universe. The measurements have been described as a new breakthrough in determining relative cosmological distances. Schmidt's findings are reported in the current *Astronomical Journal*, and stories have been written on his discovery in both the *LA Times* and in *Time Magazine*.

All five of the objects are much farther away than the previous most distant one — 3C-147, which also is a quasi-stellar source.

**Faster than a speeding bullet**  
The most distant of the five, 3C-9, is so remote that it appears to be receding from the earth at 80 per cent of the velocity of light, or at 149,000 miles a second! Under the expanding universe theory, the faster an object recedes from the earth, the farther away it is.

"Although all five quasi-stellars are many billions of light years away," explained Schmidt, "their distances cannot be stated because that would require accurate knowledge of the evolution of the universe. What we have are their relative distances."

As is true of other objects far beyond our Milky Way Galaxy, their relative distances are inferred from their red shifts. The greater the red shift of its spectrum, the farther away an object

is believed to be.

Schmidt pointed out that the relationship of red shift to distance is still uncertain for objects that are more than a billion light years away. At such distances the unknown geometry of the universe may affect this relationship. It is hoped that these uncertainties will be resolved by studying the red shifts, brightnesses and sizes of many more quasi-stellars.

**Move to the left**  
Previous to this announcement, red shifts had been obtained for four quasi-stellars. Schmidt obtained three of them. The largest was that of 3C-147, whose red shift corresponds to a recession rate of 76,000 miles a second. For such large red shifts, the corresponding velocities are computed according to Einstein's special theory of relativity proposed in 1905.

Although little is known about their structure and energy-producing mechanism, several theories have been advanced to explain quasi-stellars. Currently it is widely believed among astronomers that a quasi-stellar is a distant object with a mass of at least 100 million suns. It is believed that its energy-producing core is surrounded by two cloud layers. The inner, visible layer is of luminous gas, while the outer, optically-invisible layer is composed of fast-moving electrons that emit energy as radio signals as they spiral in a magnetic field.

# BOC explains Honor System

**Editors:**  
Recently several questions have arisen regarding certain aspects of the Honor System. In an attempt to clarify matters the Board of Control would like to restate views that have been, and are, generally accepted.

Some confusion exists on whether or not the failure to report a suspected violation of the Honor System is itself a violation. An individual who allows a suspected violation to go unreported allows the violator to take an unfair advantage of his fellow students. The observer thereby joins the violator in taking such an advantage. For this reason, the failure to report a suspected violation of the Honor System is itself considered a violation.

**Stay out**  
A second question has arisen which concerns entry into locked buildings. An individual to whom an office has been assigned should feel secure that no one, however innocent his motives, will enter that office without the owner's permission. Similarly, laboratory areas, because they are private facilities and because of the nature of the equipment contained therein, should under no circum-

stances be entered by unauthorized persons. For these reasons, unauthorized entry into offices, labs, and other private facilities will be considered a violation of the Honor System.

Another aspect of this question is the possession of unauthorized keys, and especially master keys. The possession of such keys is unfortunate in several ways. Knowledge on the part of the faculty that students possess such keys leads them to believe that students can and will use such keys to gain entry into areas they have no right to be in. This reduces their respect for the Honor System, and leaves undergraduates open to blame when theft occurs. Such keys occasionally fall into the hands of persons not associated with the Honor System. For these reasons, and because the possession of unauthorized keys is directly contrary to administrative regulations and is not in keeping with the spirit of the Honor System, the possession of an unauthorized campus key constitutes a violation of the Honor System.

**For the Board of Control,  
Gordon E. Myers,  
ASCIT Vice-President**



## DER ROSENKAVALIER

If you enjoy opera you may want to take time out next Monday to see a filmed version of Strauss' *Der Rosenkavalier*. It's coming to the Academy in Pasadena and other theaters in Los Angeles for one day only.

This production emphasizes the advantages and minimizes the disadvantages of a film version over a live performance. It brings an excellent cast, orchestra, and staging at a reasonable cost, allows each member of the audience a good view of the action, and attempts to create the air of spontaneity associated with live theater.

**Cast of thousands**  
The cast is headed by Elizabeth Schwarzkopf, Sena Jurinac, Anneliese Rothenberger, and Otto Edelmann. The supporting cast is pretty good, too. Action blends well with music throughout the opera, making the dramatic situations a bit more credible and heartfelt. Most of the filming was done close up, but some bird's eye views of the stage are cut in for variety and dramatic effect. The color is brilliant.

**Everything's rosy**  
The opera is presented in German, so read the libretto beforehand. Also, seats are reserved, so

call ahead.

The story, very briefly, concerns love. Princess von Werdenberg encourages the romantic attentions of a young cavalier, Octavian. They are interrupted by the boorish baron Ochs, who asks the princess to select a cavalier to present for him a silver rose, symbol of betrothal, to Sophie, daughter of a rich man. The princess realizes she is too old for Octavian, and chooses him to be the cavalier. Octavian and Sophie fall in love at first sight. When the baron meets Sophie, his coarseness is contrasted with Octavian's gallantry. The two men duel, and Octavian plots to reveal the baron's true nature. The princess discovers Octavian has found someone his own age, and gives him permission to marry Sophie.

BY BEN SALTZER

1	2	3	4
5	6	9	7
8	10	11	12

# FLICK GUIDE

**ACADEMY**  
1003 E. Colorado 796-3191  
Admission: \$1.49 w/Fox student card.\*  
Friday and Saturday:  
It's a Mad etc. World — 12:45, 3:45, 6:45, 9:45.

**COLORADO**  
2586 E. Colorado 796-9704  
Admission: \$1.25 for students.

Friday:  
The Unsinkable Molly Brown — 7:00, 11:00.  
The Americanization of Emily — 9:00.  
Saturday:  
Molly — 3:00, 7:00, 11:00.  
Emily — 1:00, 5:00, 9:00.

**CROWN**  
129 N. Raymond 796-3131  
Admission: \$1.25 w/Statewide student card, \$1.49 without.  
Friday and Saturday:  
Harlow (Lynley) — 12:15, 4:41, 9:07.  
Cheyenne Autumn — 2:02, 6:28, 10:54.

**ESQUIRE**  
2670 E. Colorado 793-6149  
Admission: \$.25 for Techmen, \$1.50 for other students.

Friday:  
The Lovers of Paris — 7:00, 10:25.  
A Woman Is A Woman — 8:55.  
Saturday:  
Woman — 1:30, 4:55, 8:25, 12:00.  
Lovers — 2:55, 6:20, 9:50.

**STATE**  
770 E. Colorado 792-7139  
Admission: \$1.49 w/Fox student card.\*

Friday:  
Mary Poppins — 2:00, 4:30, 7:00, 9:30.  
Saturday:  
Mary Poppins — 12:00, 2:30, 5:00, 7:30, 10:00.

**UNITED ARTISTS**  
606 E. Colorado 681-6577  
Admission: \$1.25 w/Fox, Statewide, or Uptown student card.

Friday and Saturday:  
Goldfinger\*\*\* — 1:00, 3:25, 5:50, 8:15, 10:40.

**UPTOWN**  
2316 E. Colorado 793-4330  
Admission: \$1.00 w/Uptown student card.\*\*

Friday:  
Strange Bedfellows — 7:00, 10:35.  
Masquerade — 8:53.  
Saturday:  
Strange — 1:37, 5:14, 8:56.  
Masquerade — 3:25, 7:02, 10:44.

\*If you are bereft of a Fox student card, one can be bought, included in an admission price of \$1.75. Good for six months.

\*\*An Uptown student card can be purchased under the following plan — first night: admission plus card, \$2.00; second night: admission, free; following nights: admission, \$1.00.

\*\*\*Horny Techmen anxious to see Miss Blackman and her coterie will be glad to know that this James Bond thriller is scheduled to run for ten weeks.

# California Tech

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

## Editors-in-Chief

Bob Berry, Norton Greenfeld, Tim Hendrickson

## News Staff

Les Fettig, Les Fishbone, Michael Meo, John Middleditch, Dick Tezak

Photographers: Bill Boyd, Kim Gleason

## Feature Staff

Jim Austin, Editor

Bart Gordon, Tom Greenfield, Wally Oliver, B'I' Orr, Jeff Pressing, John Rouse, J. C. Simpson, Martin Smith, Hank Suzukawa

## Sports Staff

Peter Balint, Editor

Steve Blumsack, Carl Friedlander, Dave Hammond, Gary Ihas, Ted Jenkins, Barry Liebermann, Gary Ratner

## Business Staff

Stuart Galley, Manager

Circulation: Bob Parker

California Tech, 1201 East California Blvd., Pasadena, California 91109.  
Member of The Associated Collegiate Press  
Represented nationally by National Advertising Service, Inc.  
Second Class postage paid at Pasadena, California  
Printed by Bickley Printing Co., 25 So. Fair Oaks Ave., Pasadena—SY 2-6594  
Subscriptions: \$1.50 per term, \$4.00 per year. Life Subscription, \$100.00.

## FILIPPO'S ITALIAN RESTAURANT

FEATURING THURSDAY CALTECH SPECIAL: 1 LARGE SIZE PIZZA, 2 ANTI-PASTO, 2 WINE OR BEER, 2 DESSERT — ALL FOR THE PRICE OF ONE.  
WEDNESDAY SPECIAL: 2 COMPLETE CANNELLONI DINNERS FOR THE PRICE OF 1.

Open 11:30 a.m. to 12:30 p.m.  
1111 E. Colorado Blvd.

Closed Mondays  
449-9201

**STUDENTS,**  
if you need  
**HELP**  
in fulfilling  
your language  
requirement-  
inquire about  
tutoring  
services at  
**BERLITZ,**  
THE LANGUAGE CENTER

170 South Lake Ave.

SY 5-5888

# Cricketers Ruddock edges Dabney

The Caltech Cricket Club suffered a narrow defeat at the hands of the Hollywood Cricket Club last Sunday. Playing at the Griffith Park field, the club lost by only 13 runs, 97-84.

## Dr. Huttenback, please

The top batsman of the day, for either side, was Bob Pidgeon who scored 38 runs for the Tech cricketers. Peter Dodds was the next highest for the Beavers with 14 runs. But nobody else was able to stay up at the wicket long enough to score a significant number of runs.

Jerry Brady and John Danziger were the bullwarks of the bowling staff again this weekend. Danziger was credited with five wickets while Brady got three. The lack of bowlers on the club has become very apparent as Brady and Danziger have had to bowl nearly the whole match for two consecutive Sundays.

## Come Home

This weekend the club has two matches. On Saturday they travel to UCLA, but they return on Sunday for another match against the Hollywood club. Starting time for the home match will be about 12:30, and spectators are urged to come for at least part of the five-hour game. Bring warm blankets!

Ruddock held the Discobolus book for another week by defeating Dabney's strong handball team in an exciting match played Monday afternoon at the Pasadena YMCA. After losing the first two matches Ruddock came back to defeat the Darbs 3-2.

The third singles match started the contest. Kawal of Dabney completely outclassed Pressing in two one-sided games.

The first doubles pushed Ruddock against the wall as Swatek and White easily took Dickinson and Yoshida in two games.

Fettig of Ruddock took on Briggs of Dabney in a battle of athletic managers. Fettig's consistent smashes with either hand brought home the first game 21-15. The loss of a contact lens completely demoralized Briggs and Fettig copped the non-contest second game 21-8.

Ruddock's second doubles team of Barbosa and Brewer evened the contest at two games apiece by defeating Darbs San Pietro and Schultz. Ruddock won in two hard-fought games by scores of 21-20 and 21-18.

The deciding second singles match proved to be the most exciting. The only match to go three games pitted Karlton, a Ruddock frosh, against Gowen, Dabney's most experienced competitor. The

first game seemed to show that Gowen had the upper hand as he moved to a 19-13 lead. Karlton then came to life and a few tense minutes later pulled the game out 21-20.

Gowen tried to prove that the loss was a fluke as he swept to victory in the second game 21-6 and then grabbed a 16-9 lead in the decisive last game. As the score moved to 17-11, Ruddock's chances seemed very slim, but Karlton was able to repeat the effort of the first game. He took nine straight points and won 21-18.

The next challenge came in soccer from Ricketts and will be played off this Saturday.

Fleming has already clinched the trophy because of the lack of time to play another game.

# SPORTS

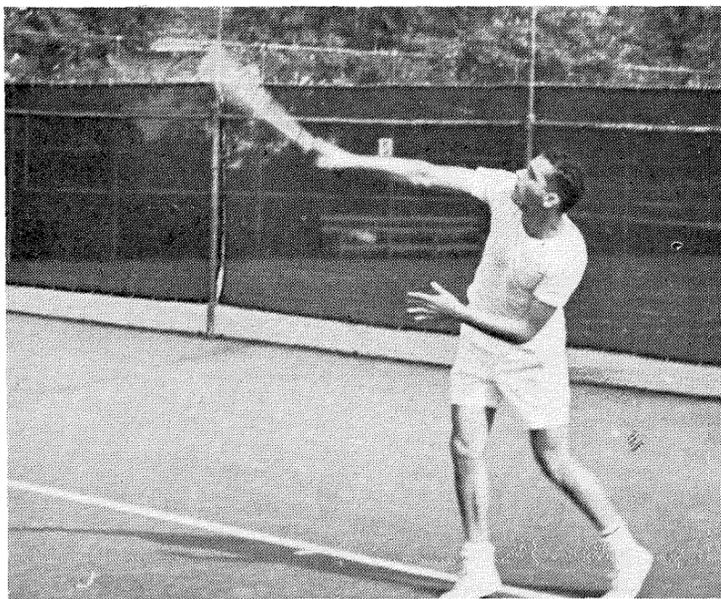
## Page, Dabney, Blacker Favorites in IH tennis

The Interhouse sports season, along with the school year, is rapidly drawing to a close with the start of the tennis competition. Fleming has already clinched the trophy, but the race is still hot for the other places.

The scoring of Interhouse tennis is rather peculiar as compared to normal tennis matches. Each house has a first, second, and third singles player plus a double team. Each of these plays eight games with each of its counterparts from the other houses. Thus a first singles player will play a total of 48 games with the six other first singles players. The total number of games won by each player or team is totaled, and a list is made up rating them against the other in that group. The results for the houses are determined by an aggregate of these ratings.

Honor Eligible  
Before the season started, Dabney seemed to be the strong favorite, having several players from the 1964 frosh tennis team. Blacker was supposed to give the Darbs a battle, and the placing of the other houses was uncertain. But with John Hoshor eligible, Page's chances have zoomed so as to give them at least an even chance with Dabney. Hoshor, who recently won the Scott Tournament by defeating Butch Niell 6-2, 6-3, is the best player on campus.

The scheduled matches will finish Friday, but a few leftovers might still be played on Monday. So come out and cheer for your players!



—by George Tucker

Jim Fishbein of Dabney gets off a powerful serve in Tuesday's Interhouse match.

## Low Alcindor displays great potential

BY IRA HERSKOWITZ

Big news in the world of sports has been Low Alcindor, 7' 1" high school basketball star from Power Memorial Academy in Brooklyn, New York. His recent decision to attend UCLA — despite scholarship offers from many other schools — has left many West Coast coaches and fans wondering just how good he is. To satisfy some people's curiosity here is my first-hand impression of Alcindor's playing ability.

Wilt's Boys

During the 1964 Christmas vacation, I watched Power Memorial Academy play Stepinac of White Plains in the finals of a city holiday tournament. The game was played before an NBA contest between the Knicks and Wilt Chamberlain's team, the Celtics. (Chamberlain was in the stands watching.)

The first thing I noticed about

Alcindor was that he did not look seven feet tall — that is, he was not just a gangling meathook. Rather he seemed well built for his height and ran down the court solidly. Most of the game showed little — Power did not have much outcourt shooting but could score almost at will by lobbing the ball into Alcindor, who dunked it perfunctorily. Alcindor's defender, who was about 6' 3" or 6' 5" — it doesn't make too much difference when his man is 7' 1" — could not do much defensively but bothered Alcindor on offense. To the roars of the crowd, he ducked under Alcindor's outstretched arms and scooped in two consecutive drive-in lay-ups. At this point Alcindor did not appear to be particularly happy at being outshined and came down court to show his colors — and he did.

### Great Things Ahead

Alcindor took a pass from one of his teammates on the right side of the freethrow line and made his move for the basket. He took a dribble or two and crossed very quickly under the basket, passing up an easy lay-in from the right side. Then, in one smooth motion, he took off from under the backboard and stuffed a reverse lay-in over his head from the left side — a beautiful, exciting, graceful, coordinated shot which has all the earmarks of things to come.

## Announcement

FOR CALTECH  
SENIORS, GRADUATE STUDENTS, FACULTY  
AND STAFF MEMBERS

A SERVICE CHARGE FREE  
CHECKING ACCOUNT FOR LIFE  
CAN BE YOURS—WHEN OPENED AT

### CONTINENTAL BANK

Come in today . . .  
Open till 5 p.m.—6 p.m. Friday  
for your convenience  
although you must apply in person.

Fill out application below  
to receive specific information.

Name (Please Print) .....

Address ..... Phone .....

School—College ..... Date of Birth .....

Student ( ) Faculty Member or Staff ( )



Member of F.D.I.C.

9430 Wilshire Blvd.  
Beverly Hills

8730 Sunset Blvd.  
Los Angeles

CR 3-5000

THESE, TERM PAPERS,  
DISSERTATIONS, SEMINAR  
REPORTS, LECTURE NOTES,  
OUTLINES, MONOGRAPHS,  
RESEARCH DOCUMENTS,  
BOOK-LENGTH MANUSCRIPTS  
I.B.M. typed according to your particular format. 24 Hour Service.  
Joan Hawkins 347-1801

# Frosh choose options

BY STU GALLEY

Frosh choosing options in which to spend the rest of their undergraduate careers showed a noticeable lack of imagination this year. The distribution of present frosh among their chosen options is not much different from previous classes' distributions, except for the presence of humanities.

The figures in the table below were released by the Registrar's office; they tell the whole story.

	(1)	(2)	(3)	(4)	(5)
Ay	12	8	9	4	6
Bi	7	10	10	6	12
Ch	33	26	20	20	32
Ch E	6	5	5	3	6
Eng	45	47	39	37	40
Ge	1	2	1	3	4
Ma	29	33	29	30	29
Ph	57	44	45	62	50
Ec	3	—	—	—	—
En	3	—	—	—	—
H	1	—	—	—	—
Total	197	175	158	165	179

(1) Frosh options, third term, 1964-65 (present frosh).

(2) Frosh options, third term, 1963-64 (present sophs).

(3) Soph options, first term, 1964-65 (present sophs).

(4) Soph options, first term, 1963-64 (present juniors).

(5) Soph options, first term, 1962-63 (present seniors).

Due to the lack of extant records, frosh choices as of third term are known only for this year and last; thus only columns (1) and (2) are strictly comparable. The other three columns are based on first-term registration and are strictly comparable among themselves.

It is interesting to note the predominance of the physics option. Also interesting is the difference between columns (2) and (3). These represent the same class with a summer between the two numbers: 17 left completely and a number of others switched, rather than fight.

The new humanities options have already attracted seven frosh into their grasp, but only two upperclassmen have joined the op-

tions — both sophomores, both in economics.

THE AMBASSADOR'S WORLD FAMOUS

*Cocoanut Grove*

THRU JUNE 5

**NANCY WILSON**  
**FREDDY MARTIN**  
AND HIS ORCHESTRA

JUNE 7 THRU JUNE 28

**JACK JONES**  
**PETER DUCHIN**  
& HIS ORCHESTRA

FRIDAY & SATURDAY

**SPECIAL STUDENT EVENINGS**

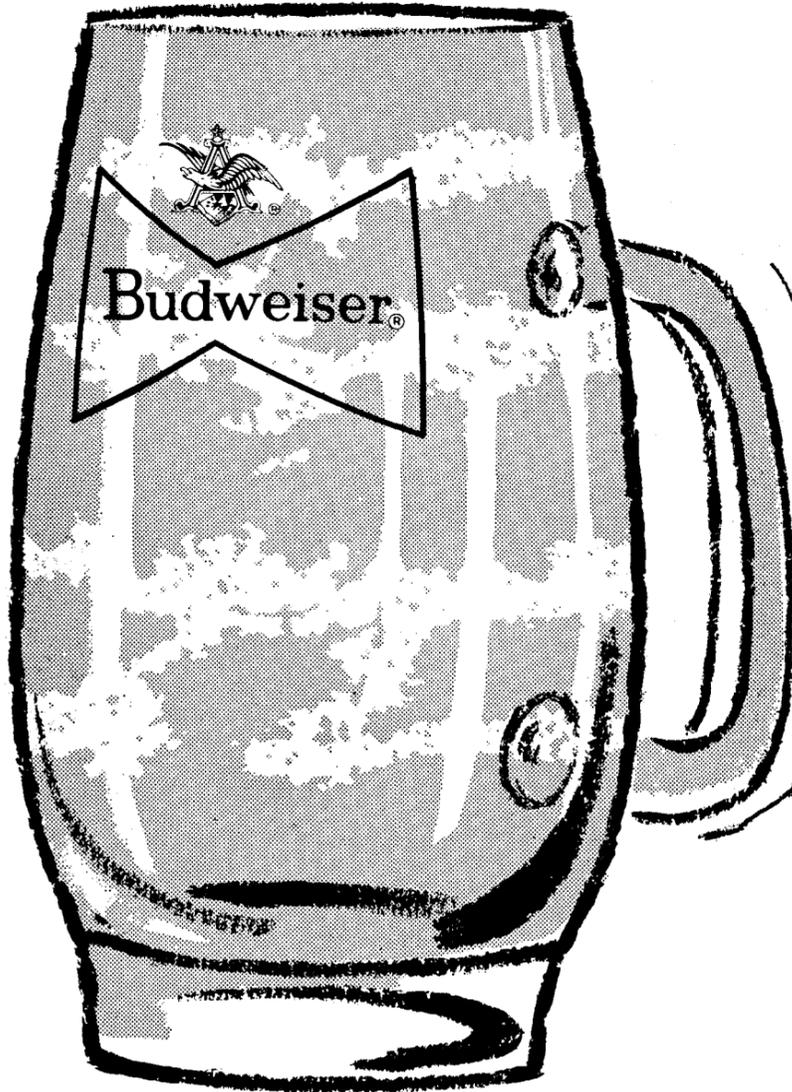
**\$8.50 INCLUDES EVERYTHING**

- Superb Supper, Show, Dancing, Cover charge, taxes and even the gratuity.
- Student ID Card required. This price for 2nd Show only Friday and Saturday nights. Purchase tickets at door.

RESERVATIONS: DUNKIRK 7-7011

**JAPANESE TRANSLATORS**  
Wanted — All fields — Also other languages. Free lance work.  
Send resume to:  
Scientific Translation Service  
4849 Tocaloma Lane  
La Canada, California

**ALL SAINTS EPISCOPAL CHURCH**  
132 North Euclid, Pasadena (across from City Hall)  
**SUNDAY SERVICES:**  
8:00, 9:10, 11:00, 7:00 p.m.  
The Rev. Terence E. Lynberg  
Episcopal Chaplain  
College Group meets every Sunday evening at 7:00 p.m. in the Parish House.



how did  
**this**  
happen?

Look closely.

Whoever polished off that glass of beer was a real beer drinker. Someone who uses the swallow approach. Not a sipper. Sipping, you see, is for wine. It's the best way to appreciate the delicate taste of a fine vintage. But not beer.

Especially not Budweiser®. Budweiser is a hearty drink brewed with lots of character, and the best way to enjoy it is to drink it. (Not chug-a-lug, either... just good healthy beer-drinker's swallows.)

Try this. Take a clean glass... say a twelve or fourteen-ounce size. Rinse it out with cold water. Open a can or bottle of the King of Beers and pour it right down the middle so that you get a good head of foam.

Now... take a big drink. No sips.

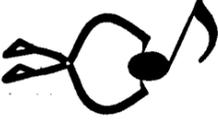
Good? You bet. This is how beer should taste. Budweiser gives you a taste, smoothness and drinkability you'll find in no other beer at any price. Our exclusive Beechwood Ageing with natural carbonation has a lot to do with it. This is the slow, finicky way to brew beer. Expensive, too... but the results are worth it.

So please, after we go to all this trouble, pour your Budweiser with a flourish. Drink it with a flourish.

And maybe a pretzel.

*it's worth it...it's Bud®*

ANHEUSER-BUSCH, INC. • ST. LOUIS • NEWARK • LOS ANGELES • TAMPA • and soon HOUSTON, TEXAS

 **at the ICE HOUSE**  
folk music in concert  
24 N. Mentor Pasadena MU. 1-9942  
Hootenanny Sunday from 9 p.m.  
**Ends Sunday**  
**The Pair Extraordinaire**  
Starting Tuesday, May 25 — Elektra Recording Artists  
**THE DILLARDS**

**WESTERN'S**  
**FAN**  
**JET**  
**COMMUTER**

**OAKLAND**  
**\$1350**  
PLUS TAX

CONVENIENT DIRECT FLIGHTS DAILY!

**WESTERN AIRLINES**