

Chick: "Are we people?"
Hen: "No, we're chickens."
C: "Are we born?"

The CALIFORNIA Tech

Volume LXXIX Number 29

Pasadena, California

Friday, April 21, 1978

Plans to Upgrade Houses Under Consideration

By Bob Morrison

The rehabilitation of the undergraduate student houses is under consideration in a request for funds proposal now being examined by Robert F. Christy of the Budget and Capital Expenditures Committee. The proposal, according to Marc Wold, IHC Chairman, would remedy deterioration caused by age and overuse, as well as improving room and appearance and utility.

The older houses (Blacker, Dabney, Fleming, Ricketts), which would receive roughly ten times as much in funds than the newer houses, are and have been needing extensive repairs for many years. Conditions have been worsened by the heavy rains this winter. The need for new roofs is undebatable, particularly in Blacker and Ricketts, where roof leakage problems are severe. Unfortunately, such repair is by far the most expensive; to reroof the old houses will require on the order of \$200,000. Allocation of funds for this purpose will receive high priority.

Plumbing is another problem receiving high priority. Problems with hot water and old pipes need to be dealt with. Some one inch water pipes have been found to have as much as 1/4 inch of mineral build-up on the pipe interior.

The reason for this and the bad condition of the roofs is that they are from thirty to forty years old. They are the original plumbing and roofs that the old houses were built with.

Approximately half of the \$1.1 million will be allocated to major repairs of this type. The remaining money will be used to improve rooms, alleys, and the kitchenettes. Aside from their

Continued on Page Two



Noted faculty, administrators, and friends of Caltech were plied with food and drink over the weekend, as they served as judges in the Interhouse Cooking Contest, which Lloyd won. Above, Pat Huber spreads good cheer, as mint juleps, to Dr. Christy, Dr. Liepmann, and Jim Black. At top, Abel Ramirez looks on, as Erik Eriksen, the hatchet-man, and Bunny Brackett do their surly waiter imitation. Photos by Joe DiGiorgio

Total Applicants Up But Women Admitted Down

By Brett Stutz

Offers of admission have been sent to applicants selected from the largest applicant pool Caltech has had since 1960, according to Mrs. Barbara Brown, assistant director of admissions. A total of 389 prospective students were selected from 1482 applicants. This was the highest number of applicants for any year since 1958-60, when science gained great appeal as a result of the Sputnik launch.

Mrs. Brown said that Caltech continues to maintain its high admission standards. The last 10 years' average test score decline has not affected the quality of Caltech's applicant pool, according to Mrs. Brown. About 400 Caltech applicants per year receive a perfect score of 800 on the math level II achievement test; this number is about 20 percent of all those receiving 800's. Test scores are used as the first criterion in scheduling interviews with the applicants. Another important thing the admissions committee looks for besides high test scores is the commitment to research Caltech desires in its students.

This year there were 168 female applicants, an increase of 107 percent over 1975. A total of 46 offers were sent to women applicants. About the same percentage of women applicants were offered admission as the percentage of the total applicant pool. However, this is only about two-thirds the number of women offered admission last year, when

Continued on Page Two

The Big T Debt: Causes and Possible Cure

By Martin Goldberg

On your next term bill will be an entry, "Yearbook-\$5.50." This term you paid \$4.00. Who is responsible for this increase?

On April 10, the ASCIT Board of Directors, under the authority vested in them by Article VI, Section 2d of the ASCIT By-Laws, approved a surcharge of \$1.50 per term in the yearbook charge for the next two terms. This raises the cost of the 1979 Big T from \$12 to \$15. Assuming 800 copies are bought, which is a reasonable assumption, that means \$3600 more than from the 1978 Big T will flow into the Big T coffers. However, this money is not for steak dinners for the staff; it is to pay part of an \$8000 debt. President Beausoleil said that they were increasing the cost to pay the debt as quickly as possible.

Ten thousand dollars worth of 1977 Big T's were bought, and \$2000 worth of advertising (of

Continued on Page Two

MORE ABOUT SEX

This article is the second in a series of articles reporting and discussing the results of a comprehensive poll on sexuality and sexual mores. First, however, I feel that it is important to recap some of the important facts mentioned in the first article.

This poll was conducted towards the end of the first term this year (1977-78). Over 250 completed three-page questionnaires were collected. In all, there were 60 valid questionnaires from Pasadena City College and 177 from Caltech. (Note: Some of the 250 questionnaires were not considered valid due to discrepancies in some of the

overlapping questions and also due to some improperly or incompletely answered questionnaires. Many of the overlapping questions were intentionally used in the poll to rule out some of the less than serious or truthful responders.) Finally, the responses were divided into eight sub-categories:

- 1) PCC males-33 responders.
- 2) PCC females-27 responders.
- 3) Caltech males-149 responders.
- 4) Caltech females-28 responders.
- 5) Caltech Freshman males-36 responders.

6) Caltech Sophomore males-45 responders.

7) Caltech Junior males-37 responders.

8) Caltech Senior males-31 responders.

It should be noted here that due to the nature of the poll and also due to the way it was distributed, that it is a highly biased poll. The poll tended to encourage the more sexually experienced or liberated to respond, and in turn discouraged the less sexually experienced from responding.

Still, between one-fifth and one-fourth of the Caltech undergraduate population filled out the questionnaire, and this is truly a very significant fraction. The PCC data is probably not nearly as representative, since sixty students from a school of many thousands is a pretty insignificant percentage. All of these ideas should be kept in


mind in reading and interpreting the data.

The first graph which I will discuss is the one dealing with virginity, shown on page (5). The data from this graph was obtained from the question, "At what age did you lose your virginity?" Once again, it is clear that this question, as it is worded, is geared to the non-virgin. Virgins were compelled to respond with "no" or "zero" or "infinity" or "not yet" or something similar. The graph shows the percent virgins in each of the eight sub-populations and also shows the average age that the non-virgins lost their virginity (in parentheses).

The first thing to notice in this graph is the simple fact that Caltech males have the highest percentage of virgins (42.6%) among the first four categories.

Continued on Page Five

SAVE THE WHALE
General Whale sends free anti-whaling information to schools. We pay for it by selling pins. Newspapers help us by running this ad.



GENERAL WHALE
"non-profit help for whales"
Dept. P
P.O. BOX SAVE THE WHALE
ALAMEDA, CA 94501
(415) 483-0194

The sperm whale largest brain ever evolved.

Pre-Frosh from Page One

a special effort was made to admit as many women as could possibly be justified by their academic records.

A problem the admission committee still faces is the declining acceptance rate among women: while the number of offers sent to women has increased over the years, the number of women actually admitted has remained relatively constant. The committee hopes that the existence of the Annex as a female single-sex facility and a personal letter from an upperclass woman sent to each prospective female student will act to make Caltech look more attractive to women.

Mrs. Brown points out that the reason so few women are offered admission is that there are not very many women with the necessary qualifications. High schools are still not geared to encourage women to go into science. Also, societal pressure is still basically against a scientific career for women. In a survey taken among the freshman class at the University of California at Berkeley in 1975, 56 percent of the men, but only 8 percent of the women, had taken four years of math in high school. This is a large sample with relatively even sexual balance. So roughly twelve percent of the graduating high school seniors with four years of math as women; about twelve

Houses from Page One

small size, many rooms are ugly and poorly equipped. Cramped into every conceivable niche of the houses, they leave much to be desired as a place to live. "Some of them are really holes" Marc said.

The rooms require carpets, new drapes, and lighting. Walls need fresh coats of paint. New desks are needed for many rooms, and lack of shelf space is a common complaint.

Larger and better equipped kitchens will also contribute to a better atmosphere. Shelf space in some kitchenettes is absurdly small considering the number of users. Many kitchen appliances need repair or replacement. The fixtures, especially in the old houses, are in a bad state of disrepair.

Unlike the roof or plumbing repairs, which would receive immediate attention, these repairs will take place over a period of three years, with the highest priority repairs beginning this summer. Such repairs include new lights for alleys, carpets, and so on. Lower priority items will be worked on in the summer of 1979 or 1980.

Stop Your Snaking and See Python

This week Cinematech bridges the generation gap with two films that are guaranteed to appeal to young and old. Although separated by only six years, these comedies were grown from two different eras. The first feature presented will be *Some Like It Hot*, followed by *The Loved One*.

Made in 1959, *Some Like It Hot*, is set back in 1929 at the height of the roaring twenties. The story concerns two musicians (Tony Curtis and Jack Lemmon) who are hiding out. To remain inconspicuous, they disguise themselves as female musicians and play in an all-girl band. The leader of the band is Marilyn Monroe. This film was directed by six-time Academy Award winner Billy Wilder. It turns into a frantic romp of babies, booze and jazz, that is simply funny. This is pure entertainment.

As a special favor to the guests, Cinematech will be showing a rarely seen combination of Marilyn Monroe shorts before the film. Get there on time, or you are likely to miss her first screen test and the only commercial she ever made.

The second feature is *The Loved One* (1965). For anyone familiar with NatLamp, this is a must, Terry Southern co-scripted the adaptation of Evelyn Waugh's

percent of Caltech's admission offers went to women this year.

Mrs. Brown stated that there was a "good proportion" of minority students among those offered admission. She noted that there were several Russian and Vietnamese applicants this year. Mrs. Brown said that while the admissions committee made "very few" concessions to attract and admit minority students, there was a slightly higher ratio of offers to applicants among blacks, latinos, and orientals.

The state of the houses makes one wonder how they could deteriorate so much. Clearly, the most obvious cause is a simple lack of money. Another cause is the lack of communication with Bob Gang, Director of Student Housing. Students who see something in disrepair often don't bother to report it, so the problem goes untended. Still another major factor is that B&G is expected to do maintenance on a tight budget, causing decreased efficiency and fewer repairs.

Lack of funds, however, is the dominant factor in limiting improvements. It's not even clear where the money for this proposal is going to come from, although "pilot projects" to repair small jobs have been funded from Bob Gang's housing fund. This fund has primarily come from room and board payments by undergrads.

The proposal is specifically aimed at the seven undergrad houses, and will not affect the co-ops, the game room, or the grad student houses.

Yak!

A consultant is someone who knows 69 ways to make love, and no women.

satire. The film was originally billed as 'something to offend everyone.' Although hardly offending by today's standards, the film does take riotous jabs at everything in sight, including love, death, sex, LA, pet owners, advice to the lovelorn columns, and American style of eating. Basically, the film is an attack on Hollywood and Forest Lawn cemetery. Nonstop laughs are assured.

Cinematech films are shown on Saturday nights at 7:30 in Baxter Lecture Hall. Donations are only \$1.50 for the general public, \$1.00 for ASCIT and GSC members and 75 cents for children under 14.

This week ASCIT is showing *And Now For Something Completely Different*, starring Monty Python. Anyone familiar with the British comedy team knows of their talents. This film is a compilation of some of their early work. Just remember that no matter how hard you laugh you are probably still missing half the jokes, since it is all British humor. ASCIT films are shown Friday nights at 7:30 and 9:30 in Baxter. Admission is only \$1.00 for the general public and \$0.50 for ASCIT members.

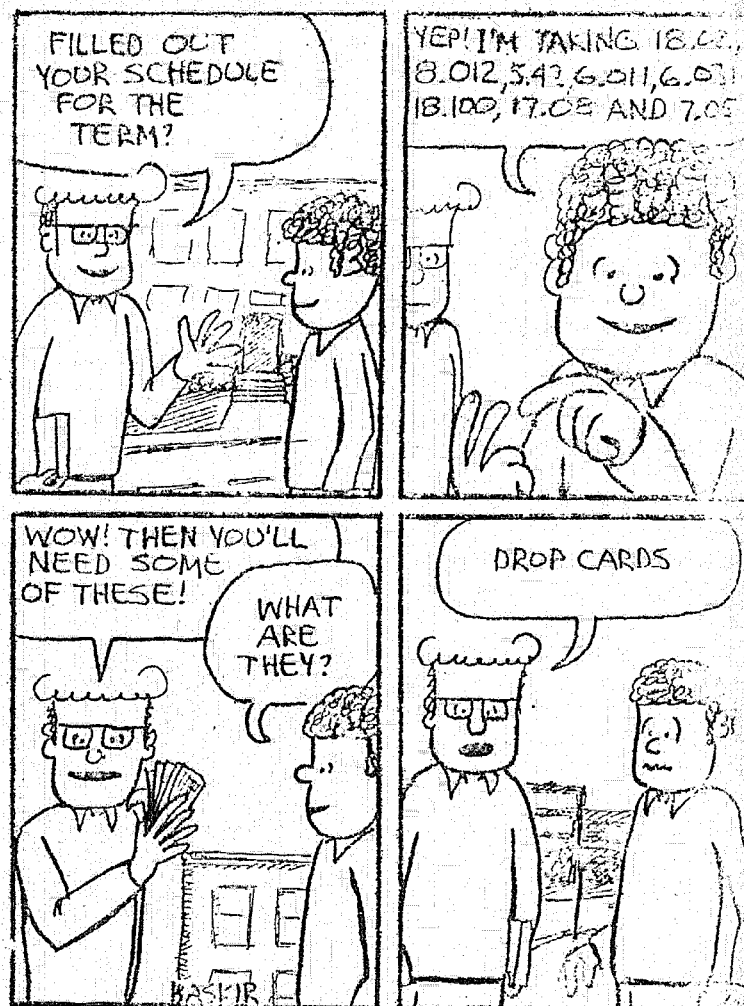
Michael Kurilla

Big T from Page One

which only \$25 is still uncollected) was sold. The printing company was paid \$16,000; expenses totalled \$1000; and the *California Tech* was owed \$3000. \$12K in and \$20K out makes negative \$8K. Adding in the \$3600 from the next two terms' increase makes a grand total of \$4,400 deficit.

Ray Beausoleil attributes the six thousand dollar difference between what students paid the *Big T* and what the yearbook paid the printer to three reasons. First, he claims that too many pages of the yearbook were in color rather than black and white. Second, he alleges an insufficiency of advertising. Third, he claims that too much of the yearbook was border around the pictures, and too little was picture or text inside the borders.

STICKLES



by geoff baskir

An interview with Bill Gross, the 1977 *Big T* business manager disclosed that in the early stages of planning, it was anticipated that the yearbook would cost \$18,000; that expenses would total \$0; and that there would be no debt to the *Tech*. In spite of the mere \$400 in advertising revenues collected out of the \$600 owed for the 1976 *Big T*, Bill was ambitious. He calculated that, if all the companies who had taken out ads in the 50's, including those at \$10 per full page in 1958, were to take out \$200 per page ads, \$6000 would come in. Note that full page ads in the 1976 *Big T* were only \$100. Based on this calculation, it was decided to go ahead with a spacious arrangement, including many color pictures. However, it was then agreed that economy measures would be taken should advertising money not be as plentiful as planned.

By the time mid-summer rolled around, it was obvious that

\$2000 in ads was all they would get. However, the yearbook was already laid out. A grand meeting was called. Then-President Bert Wells decided that, rather than cutting back the yearbook as per the original agreement, a long-term ASCIT loan would be used to finance the resulting deficit. Now-President Beausoleil decided that, rather than taking out a loan and making the class of 1984 pay part of the cost of

Continued on Page Eight

The CALIFORNIA Tech

Volume LXXIX Number 29
Friday, April 21, 1978

Published weekly except during examination and vacation periods by the Associated Students of the California Institute of Technology, Inc. The opinions expressed in all articles are strictly those of the authors and do not necessarily reflect those of the editor or of the corporation.

Editors-in-Chief

ed. Bielecki
Spencer Klein

Business Manager

Kevin Drum

Writers

ed Bielecki, Ken Duncan, Mike Kurilla, Sandy McCorquodale, Jim Reichle, David Ritchie, Joel Rubinstein, Geoff Sommer, Brett Stutz, Richard Willson

Photographers

Dave Wheeler [Darkroom Chairman], Don Bacon, ed Bielecki, Marc Berger, Gregg Bone, Joe DiGiorgio, Al Kellner, Yin Shih, Chris Wheeler

Production

Flora Boyer, Nick Smith

Circulation

Carl Lydick [Manager], Bill Gould, James Hong

The *California Tech* publications offices are located in Winnett Student Center (107-51), California Institute of Technology, Pasadena, Ca, 91125. Telephone: 795-6811, Editorial-ext 2153, Business-ext 2154. Printed by News-Type Service, Glendale, ca. Second Class postage paid at Pasadena, Ca.

Subscription rates: term-\$1.50, Year-\$4.00, Life-\$100

ASCIT MOVIE

Friday Night at 7:30 and 9:30
in Baxter Lecture Hall

ASCIT Members 50¢ Others \$1.00

Monty Python's Flying Circus

And Now for Something Completely Different

Next Week *The Magnificent Seven*

Britain- Standing Firm or Slipping?

By Joel Rubinstein

Sir John Colville, private secretary to Her Majesty Queen Elizabeth II, came to Ramo Auditorium Tuesday to speak on the condition of Great Britain. In his lecture, he spoke of how Britain is managing a new role in the world. The many former colonies of which Britain has divested itself point out the change in Britain's influence in world affairs. From the defeat of the Spanish Armada to WWI, Britain was the dominant world power. Now Britain cannot control the violence in Ulster and faces the threat of Scotland's departure from the kingdom. The world's first industrial state is plagued by strikes, low productivity, inflation, and unemployment.

Sir John said that the bad news from England consisted of inflation, unemployment, increases in crime, and a decay of morals. He did not say what sort of moral decay had occurred. Later, he said that women were penetrating formerly all male institutions, and only the Church (of England) was immune. He hastened to add, with respect to crime, that even with the increases, the crime rate remains low, even by the standards of the "civilized world." It remains a point of pride that bobbies do not carry firearms.

Most of the bad news was economic. Sir John cited several statistics to show that the former economic pre-eminence that Britain enjoyed had declined to mediocrity. For example, steel productivity per worker is five times higher in Japan than England, and Britain's GNP ranks below 22 other countries, including the U.S. and most of Europe. He attributed these difficulties to an uncentralized, inefficient union structure. There are 115 trade unions, and they often have wildcat strikes, against the union leadership's wishes. Furthermore, the "welfare state" provides money for striking workers, often at nearly normal wages.

In spite of these unfortunate facts, there are many points of pride to Sir John and the British. Britain maintains high standards of integrity, and has efficient systems for supply of spare parts and repair service. London is still the financial capital of the world. As Sir John pointed out, there are more American banks in London than New York. More stocks are traded in London than anywhere else. Agriculture also performs well, and with only two percent of the population, it provides nearly fifteen percent of the GNP.

Sir John said that he hoped for closer cooperation between England and the U.S. in the future. He suggested that England has much experience in world

affairs, and is a highly reliable ally. At the end of his speech, he admitted that English were known for arrogance and superciliousness. Actually, I hadn't known that. My impression from the likes of Alistair Cooke is that the British are warm and friendly. However, Tuesday's lecture did a lot to change my opinion.

I found his apologies for Chamberlain's sacrifice of "a far away country"—the Sudetanland—to Germany to lack merit. (Sir John was private secretary to Neville Chamberlain.) He said that World War One was "the ultimate horror" and afterwards, *peace at any price* was the philosophy. Another tragic sell-out on the part of the British

concerned the Balfour Declaration which guaranteed a Jewish homeland in Palestine. The White Paper, a blatant sell-out to Arab political pressure, limited Jewish immigration and forbade a Jewish majority forever. The Jews who did not enter illegally and remained in Europe were cruelly slaughtered by the Nazis. This is the failure of British "constance." This lecture was sponsored in part by the English Speaking Union. No, I haven't heard of it either. Said one middle aged member, "We're more active in the Bay Area." She added that the younger members like herself had less influence in ESU activities, and older members dominated the organization.

Sir John's speech was free and open to the public.

EGAD!

Gad!

Professor: I will not begin today's lecture until the room settles down.

Voice from the rear: Go home and sleep it off, old man.

Egad!

You know: Why did you take up the piano?

Who: My glass of beer kept sliding off the violin.

Snort!

He: What would you say if I stole a kiss?

She: What would you say to a guy who had a chance to steal an car but only took the windshield wiper?

CALTECH PRESENTS

SPECTRUM PRODUCTION 16

'ALL THAT FALL'

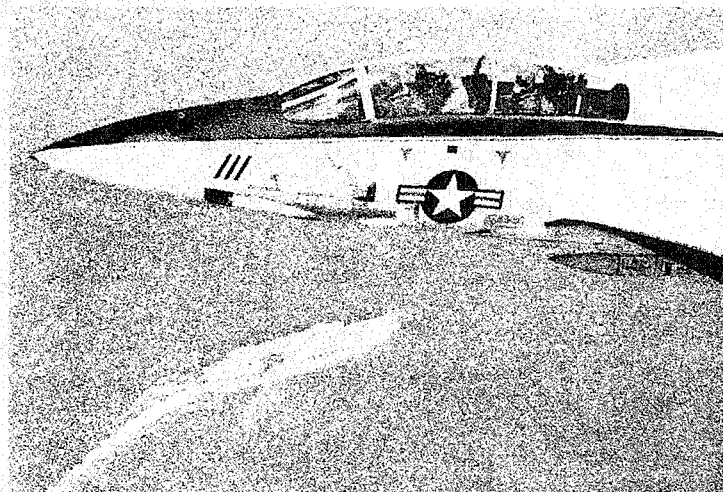
by Samuel Beckett

Samuel Beckett wrote *All That Fall* for the British Broadcasting Corporation in 1956. It is by all odds the master's most lovable—and most accessible—play: a genuinely Irish comedy, full of nostalgic touches in which Beckett reminisces about his native Foxrock, near Dublin. Of course, Beckett does not cease to Beckett, when he becomes affectionate and accessible. Everybody in *All That Fall* is sick, crippled, sterile, furiously dying, or downright dead. At the climax of the action, a child gets pushed out of a moving train. It's all as Beckettish as can be. But Beckett conducts the action with so much ornery guff, such high comedy, and such lyric beauty, that it is impossible to get depressed. This is not one of "horrors of life in a penitentiary" dramas that leaves you gloomy for a week. Beckett's personages squeeze an amazing amount of juice out of their despair. Spectrum's production—with an all-professional cast, as always—will pass on to you the "brimful cup."

Fridays & Saturdays,
April 14-15, 21-22,
and 28-29 at 8 P.M.
in RAMO AUDITORIUM



Gen. Adm. \$5.00 Faculty and Staff \$4.50. CIT Students \$4.00. (\$1.00 RUSH tickets available at 10 A.M. on Fridays for shows on that weekend at CIT Ticket Office and Ramo Box Office)
For information, call (213) 793-7043 or campus ext. 1652



THE SKY'S THE LIMIT IN NAVAL AVIATION.

If you want to get to the top in aviation, the Navy is the way to go. We offer unlimited opportunities as pilots and Naval Flight Officers.

As a pilot, you'll be trained to fly the most advanced jets ever developed. As a Naval Flight Officer, you'll operate the sophisticated weapon systems, computers and advanced electronics. As either, you'll wear the wings of Naval Aviation.

If you're a college man in good physical condition, Naval Aviation could be your route to the top. Find out about it from your local recruiter. Contact:

Lt. Tim Norrbom, 4727 Wilshire Blvd, LA, CA 90010

NAVY OFFICER. IT'S NOT JUST A JOB, IT'S AN ADVENTURE.

Caltech's
Burger Continental...
is gonna
make you an
offer you can't refuse

Come try
our new
Salad Bar

House of the Week
Ricketts

Free root beer float on weekends for students
from the House of the Week with purchase of meal.
Different house each week

SPECIALTIES

SHAORMA, SOUVLAKI—STEAK DELICACIES BAKLAVA, BOURMA—ARMENIAN PASTRY DESSERTS
FALAFEL—VEGETABLE BURGER WITH DELICIOUS SAUCE WRAPPED IN BIBLE BREAD

SPECIAL SERVED EVERY NIGHT: USUALLY STEAK OR PRIME RIB, RICE PILAF, SALAD, VEGETABLE, AND REFILLS ON SOFT DRINKS AND MILK

BURGER CONTINENTAL

792-6634

LOCATED ON LAKE 1/2 BLOCK NORTH OF CALIFORNIA

HOUSE

*Izzy Lewis
Page*

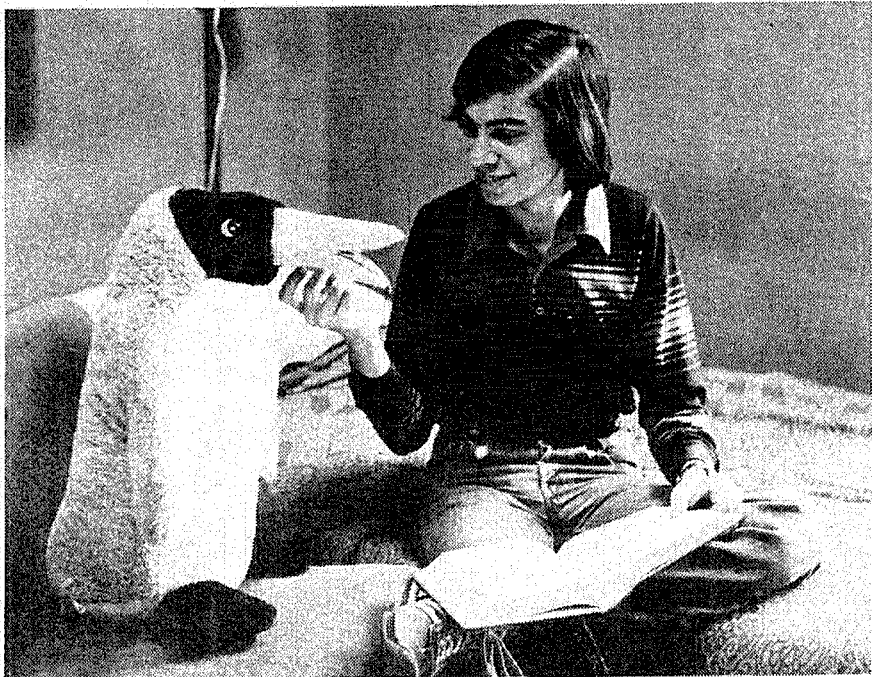


PRESIDENTS



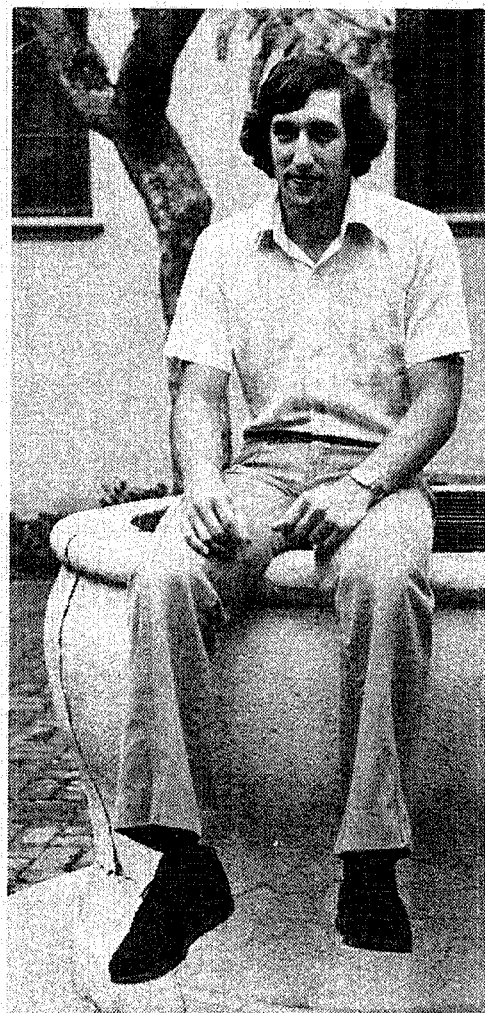
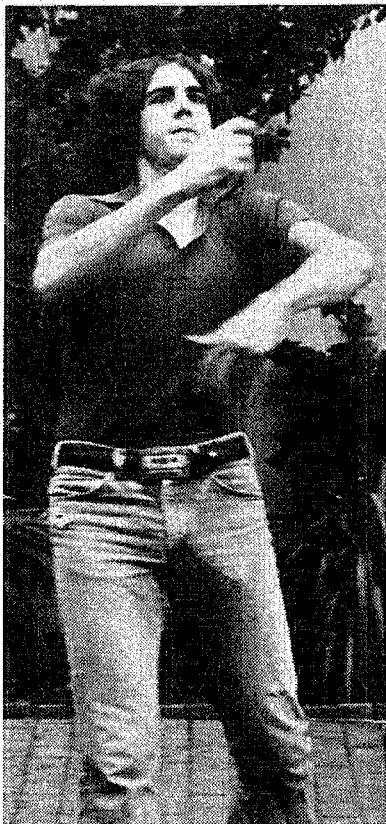
*Ernie Lewis
Ruddock*

*Dave Shenton
Blacker*



Photos by Joe DiGiorgio

*Jim Meador
Dabney*

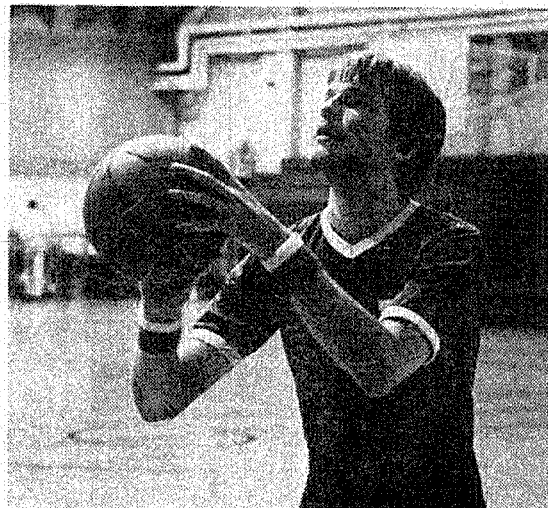


*Paul Magliocco
Ricketts*

*Doug Tally
Lloyd*



*Ken Rousseau
Fleming*



Sex from Page One

The last four subpopulations are just the breakdown of the Caltech male data by classes. The high percentage of Caltech male virgins is in no way a surprising fact. In a school where the male to female ratio is about nine to one there is little opportunity for Caltech males to meet unattached females on campus. Caltech females, on the other hand, have a much lower percentage of virgins (17.9%). While this is definitely lower than Caltech males and even less than PCC females (29.6%), it is in no way an indication that Caltech women are much more apt to lose their virginity due to the unusually large number of males at Caltech. The simple fact is that PCC males show an incredibly low percentage of virgins (3.3%), and yet PCC does not have an abnormal female to male ratio. Thus, while it is clear from Caltech's male to female ratio that there exists plenty of opportunity for Caltech females to lose their virginity, the percentage of Caltech female virgins indicates that a significant portion of Caltech females can and do resist any pressures which this abnormal ratio may present. And the fact that the PCC males showed such a low percentage of virgins in an environment which is in no way conducive to meeting members of the opposite sex as Caltech females are in, indicates that the male to female ratio is not as significant as many people believe.

I would like to emphasize once again here that the validity of the PCC data as it applies to all people at PCC is highly dubious due to the small number of males (33) and females (27) polled at PCC.

Another important aspect of the graph dealing with virginity has to do with the last four categories. Despite rumors floating around quoting Caltech Health Center people as saying that over eighty percent of the incoming Freshmen are virgins, the data indicates that only about fifty percent of the Freshman class males were virgins during first term. I find this point important that there are often numerous incorrect facts being circulated around campus which are not based on any actual research. The eighty percent figure which I stated above has been quoted to me more than once during my three and a half years at Caltech.

One other very important point to be taken from the last four columns on the graph on virginity is the overall pattern of these four subpopulations. At the Freshman and Sophomore levels about fifty percent of the Caltech males are virgins. In the Junior class this decreases to 37.8% and the Senior class decreases even further to 25.8%. This data indicates two facts. First, as mentioned above, about fifty percent of the incoming Freshmen have had some experience with sexual intercourse. Second, during the four or so years that males attend Caltech, another twenty-five percent manage to lose their virginity. This is despite the scarcity of females on the Caltech campus and the poor male to female ratio. In short, it

is clear that even at Caltech it is possible to gain in sexual experience, despite the disproportionate number of males and females. This very distinct pattern will be seen to repeat itself very consistently in almost all the remaining data from the poll, including the other two graphs presented this week.

The second graph is similar to the first in many ways, and deals with the question of sexual intercourse within the past year. This graph is presented on page (5). The question asked was, "Have you had sexual intercourse (heterosexual) within the past year?" The graph shows the percentage of people responding "yes" to this question.

Four extra data columns are added to this and the next graph. These data points were taken from a Playboy Foundation poll taken in the early 1970's. The overall data is taken from people eighteen or older while the Playboy 18-24 age group indicates a more limited population, similar in age range to most college populations, including Caltech.

In this second graph, the Caltech females show a high degree of sexual experience within the past year, higher than any other female population polled. Still, however, all male subpopulations polled, except Caltech males, showed a higher percentage than Caltech females for this question. Thus, while the Caltech females may seem sexually active in comparison with other female groups, they are not as sexually active as any non-Caltech male groups. This implies to this author that the unique environment at Caltech certainly does allow more sexual experience for Caltech females, but that this sexual experience in no way can be considered extreme.

Once again, the pattern of the last four columns is familiar and consistent. There is a general trend of increased sexual experience from the Freshman to the Senior years (with the also familiar Sophomore anomaly). So now it can be said (with data to back it up) that among Caltech men the Seniors do have a better chance of having sexual intercourse than the other classes.

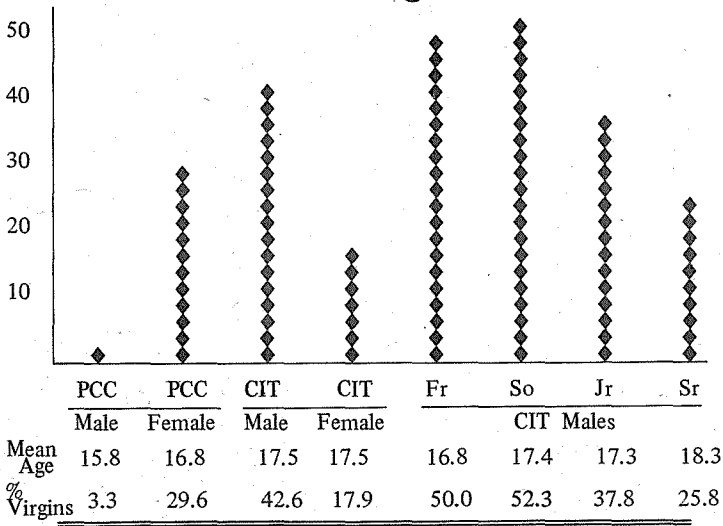
Another point of interest here is the PCC data. The data indicates a polarity or movement to the opposite statistical extremes for the males and females at PCC. The males at PCC show a higher percentage of sexual intercourse experience in the past year than any other category, male or female. In contrast, the females show a lower percentage of sexual intercourse experiences in the past year than all other female groups and all the male groups, except Caltech males. Even Caltech Senior males show a higher percentage here than PCC females, so all you horny Caltech males shouldn't feel so bad.

The third and final graph to be discussed this week deals with masturbation to orgasm in the past year. This graph is shown on page (5). The question asked was, "Have you ever masturbated to orgasm within the past year?" The graph shows the percentage

Continued on Page Six

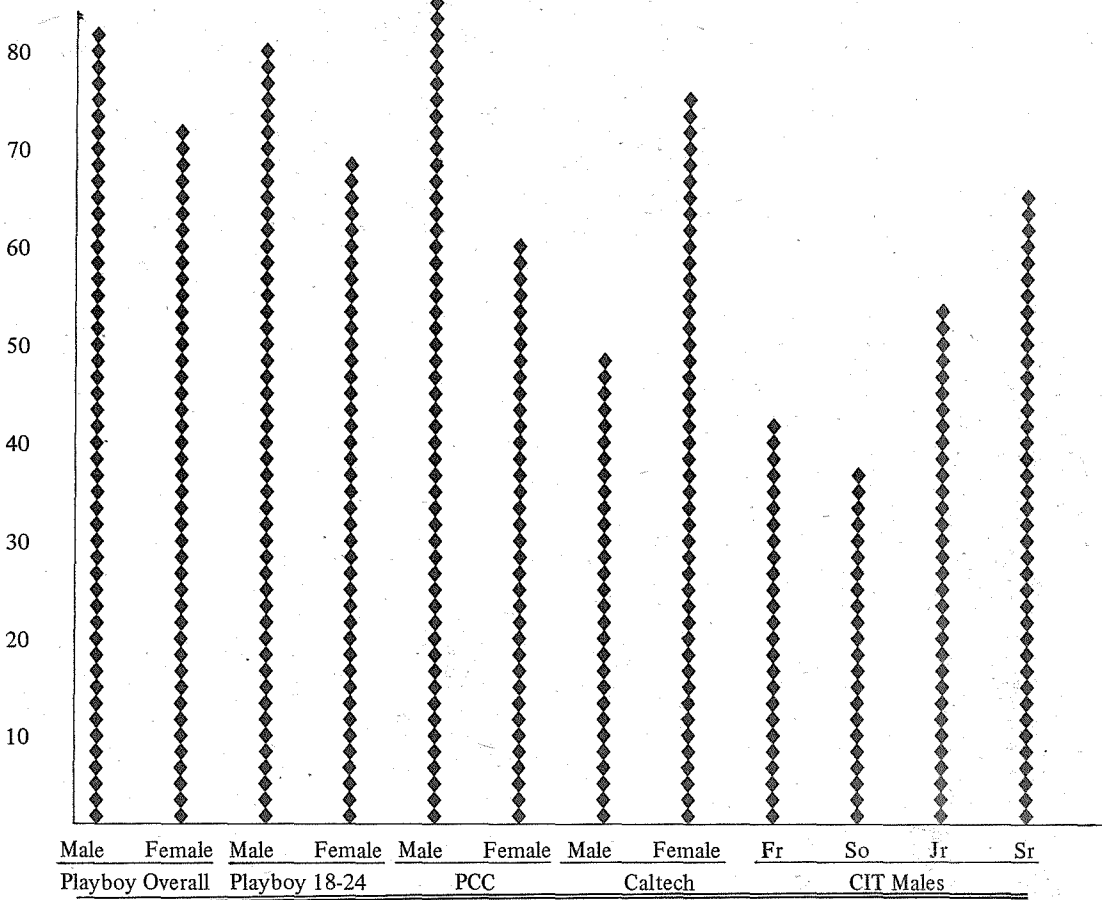
Loss of Virginity

Percent Still Virgins



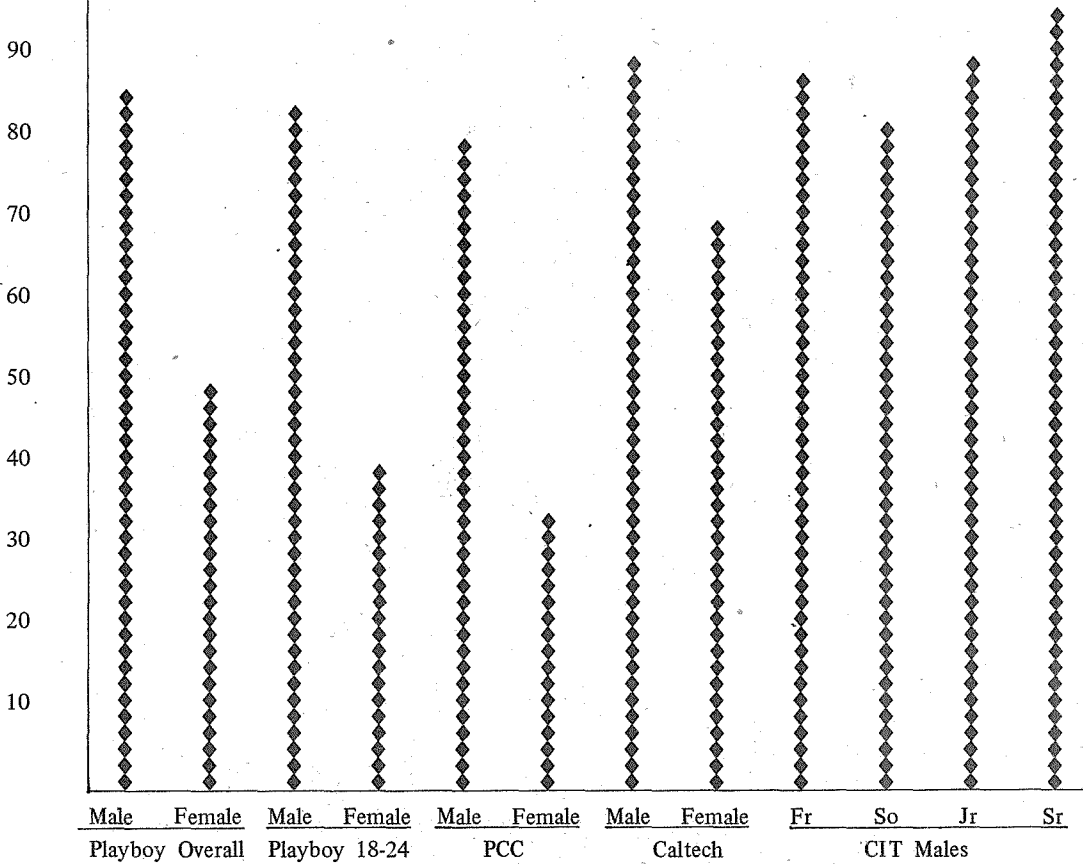
Heterosexual Intercourse

Within the Last Year



Masturbation to Orgasm

Within the Last Year



Dam Lecture

The results of investigations into recent dam failures will be discussed by Professor of Civil Engineering Ronald F. Scott, on Wednesday, April 26, at 8:00 pm in Beckman Auditorium, as part of the Earnest C. Watson Lecture Series.

Dam safety has become a controversial topic in recent years, as dam failures from different causes have focused public attention on the engineering problems of dam construction. Seismic effects on dams have been studied particularly thoroughly since the damage to several dams wrought by the 1971 San Fernando earthquake.

Besides reviewing recent dam failures, Dr. Scott will describe federal and California state programs to mitigate dam hazards. The talk will also include a discussion of problems encountered in the analysis of the safety of dams.

Dr. Scott and his colleagues recently conducted an unusual experiment on the Santa Felicia Dam, and earth dam in the Santa Clara Valley. To learn more about its response to earthquakes, the engineers subjected the dam to very small vibrations using two motor-driven weights which generated a combined maximum force of 10,000 pounds.

Cycle Shop to be Organized

The Caltech Cycling Club cycled to Griffith Park last Sunday as scheduled. This club plans a trip for April 30, destination to be announced.

On April 27, the club is meeting in the Y lounge at 7:15 to organize membership in the long awaited student bike shop. For only \$2.50 a term, students may use the facilities anytime. The tools include a bicycle stand and truing stand, and all tools needed to assemble or disassemble any bicycle component. The \$2.50 is much less than the cost of almost any repair or tune-up at a professional bike shop. Furthermore, when a bike needs fixing, it is inconvenient to take it to a shop, because the nearest one is Carousel on Colorado Blvd. past PCC. For these and other reasons, The shop is expected to be useful for students.



THE HAIR CUTTERS

HIS AND HERS
OPEN EVENINGS

449-6967 449-1022

1009 E. COLORADO PASADENA
NEXT TO THE ACADEMY THEATRE
PARKING IN REAR

Sex from Page Five

of responders replying "yes" to this question.

The most striking feature of this graph is the great dichotomy between males and females. Masturbation in general, even in the Playboy figures, is much more widely accepted and/or done by males than females. This fact is evident in noting that Caltech females, who show the greatest degree of masturbation among any of the female subpopulations, are still less inclined to masturbate than any of the male subpopulations.

It is still interesting to note that Caltech females do show a significantly greater degree of masturbation than any other of the female subpopulations. Almost 70% of the Caltech females polled had masturbated to orgasm within the past year, whereas less than 50% of any other group of females had masturbated to orgasm within the past year. I'd like to propose one possible hypothesis as to why this is so. The theory is simply that masturbation is a much more socially accepted idea on the Caltech campus. The large number of males at Caltech creates a great deal of sexual frustration. This frustration is most commonly relieved through masturbation, and open discussions or jokings around the subject of masturbation are quite common. Thus, a subject which many non-Caltech people can shove under the carpet or never talk about becomes a socially accepted topic of conversation at Caltech. Along with this comes a wider acceptance and use of

masturbation by Caltech undergraduates.

The high degree of masturbation at Caltech is particularly evident in the fact that Caltech men show the highest degree of masturbation to orgasm within the past year of any other subpopulation polled. In addition, there is now the familiar pattern of Caltech males from their Freshman to their Senior years. There is a slight dip in masturbation percentage for the Sophomore class, but overall there is a general trend towards increased percentage of people who masturbate to orgasm as one approaches the Senior year. In fact, better than 95% of Caltech Senior men have masturbated to orgasm in the past year. This is in spite of the data from the previous graphs showing a greater degree of sexual intercourse towards the Senior year for Caltech males. Thus, Caltech males, as they progress towards their Senior year, become more sexually active with others (intercourse and virginity graphs) and also with themselves (masturbation graph).

Once again I would like to welcome any mature opinions, ideas, or comments from the readers of the California Tech on this data and the poll in general.

—Larry J. Martin

Egad!

A beauty by the name of Henrietta

Dearly loved to wear a tight sweater,

Three reasons she had:

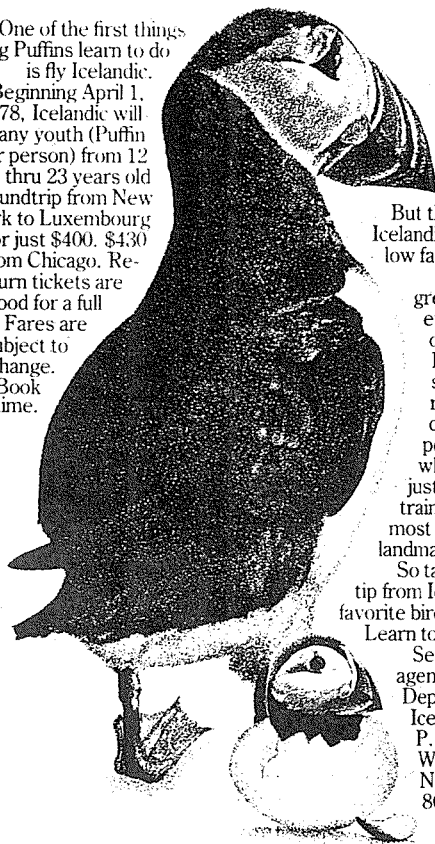
To keep warm wasn't bad;

But the other two reasons were better.

The Puffin fare for youths.

One of the first things young Puffins learn to do is fly Icelandic.

Beginning April 1, 1978, Icelandic will fly any youth (Puffin or person) from 12 thru 23 years old roundtrip from New York to Luxembourg for just \$400. \$430 from Chicago. Return tickets are good for a full year. Fares are subject to change. Book anytime.



But there's more to Icelandic than just low fares.

You'll get a great dinner and excellent service on your trip. And Icelandic will set you down right in the middle of the European Continent, where you'll be just hours away by train from Europe's most famous landmarks.

So take a travel tip from Iceland's favorite bird.

Learn to fly Icelandic. See your travel agent. Or write Dept. #C352, Icelandic Airlines, P.O. Box 105, West Hempstead, N.Y. 11552. Call 800-555-1212 for toll-free number in your area.

\$275

Roundtrip 14-45 day APEX fare from N.Y.*

\$400

Roundtrip Youth Fare. Good thru age 23.

Icelandic to Europe

*\$295 from Chicago. Tickets must be reserved 45 days prior to departure and paid for within 8 days of reservation. Add \$15 each way for travel on weekends.

Bio Grad David Corey Wins Research Prize

The Los Angeles-based Intra-Science Research Foundation has awarded one of its Graduate Student Prizes for outstanding research in the health sciences to David Corey of Caltech.

Corey is a biology graduate student in Dr. A. J. Hudspeth's research group. In addition to being instrumental in the establishment of a model system

for studying auditory transduction, Mr. Corey has successfully investigated the ionic dependence and latency of the response of hair cells, the cells that convert sound stimuli into electrical signals. He is presently studying the effects of several drugs (particularly streptomycin and quinine) that cause deafness in humans by blocking the response of hair cells.

ATTENTION JUNIORS

Earn over \$650 a month right through your senior year

If you're a junior or senior majoring in math, physics, or engineering, the Navy has a program you should know about.

It's called the Nuclear Propulsion Officer Candidate-Collegiate Program (NUPOC-C for short) and if you qualify, you can earn as much as \$650 a month right through your senior year. Then after 16 weeks of Officer Candidate School, you'll receive an additional year of advanced technical education. This would cost you thousands in a civilian school, but in the Navy, we pay you. And at the end of the year of training, you'll receive a \$3000 cash bonus.

It isn't easy. There are fewer than 400 opening and only one of every six applicants is accepted. But if you make it, you'll have qualified for an elite engineering training program. With unequaled hands-on responsibility, a \$24,000 salary in four years, and gilt-edged qualifications for jobs in private industry should you decide to leave the Navy later. (But we don't think you'll want to.)

Ask your placement officer to set up an interview with a Navy representative when he visits the campus or contact your Navy representative at (213) 468-3321 (collect). If you prefer, send your resume to the Navy Recruiting District, 4727 Wilshire Blvd., Officer Programs Office, Los Angeles, CA 90010, and a Navy representative will contact you directly. The NUPOC-Collegiate Program. It can do more than help you finish college; it can lead to an exciting career opportunity.

Navy Officer

It's not just a job, it's an adventure

ROMA GARDENS

BEER & WINE
ITALIAN CUISINE

PIZZA

SPAGHETTI

RAVIOLI

OPEN 5-11 p.m. Sun-Thurs

5-12 p.m. Fri-Sat

Now open for lunch 11-2. Buffet lunch \$2.95. All you can eat Thursdays for \$4.25

10% off on Italian food to all CIT students (buffet lunch excepted) 7 days/week

Use new back entrance for picking up orders

1076 E. Colorado

449-1948

Lost:

One blue Gravito-Electric Cap, from the APh/EE Library. It resembles a Mickey Mouse Hat, and they want it back!

Ladies, Defend Yourself

The Women's Self Defence class is this Sunday from 10 am to 3 pm in Dabney Lounge. Late registration may be made by calling Bev Pray in the Health Center at X2394 or 797-3617.

Nominate Yourself

Nominations for student/faculty committees are now open. Sign up on Flora's Door. Address enquiries to Marc Wold, IHC Chairman (126 Lloyd).

News Briefs**Amnesty International has Fundraiser**

Ian Whitcomb, noted singer-entertainer, will be featured at the Pasadena Chapter of Amnesty International's annual fund raising event at the Ice House in Pasadena, on Tuesday evening, April 25 th. Two evening performances will be given, one at 8:30 and another at 10:30.

The Ice House has allowed the local chapter to keep the entire proceeds from tickets sold in advance of the program. Tickets can be purchased from J. S. Haas, X1759, or Sethu Palaniappan, 5 Blacker.

Physics Sheep

Any student having information on the use of sheep in physics should call Dr. Ray at X2236.

WHY WAIT?

Sign up for summer work now. We are recruiting for:

Typists
Secretaries
Receptionists
File Clerks
Ten key/Bookkeepers
Light Industrial

Work in your own local area. Offices in Pasadena, Alhambra, and Glendale. For more information, call: THOMAS TEMPORARIES
301 E. Colorado
Pasadena, CA 91101

BEER FOOD at ROCKY'S BAR

Outstanding Sandwiches
Bud, Michelob on tap
25¢ per 8oz glass
Pinball, Pool

11 AM—2 AM 11 AM—Midnight, Sundays
1284 N. Lake, Pasadena

Best tilt of the day!



Good times are great times for the easy taste of

Budweiser®

KING OF BEERS • ANHEUSER-BUSCH, INC. • ST. LOUIS

Big T from Page Two

the 1977 yearbook, the debt should be cancelled in one year. To do this, several things would be done.

The cost of a 1979 yearbook was raised from \$12 to \$15. The number of pages planned for it was to be reduced. Careful records will be kept and economy measures implemented.

Who, then, is the villain of this incident? Is it Bill Gross, who only came through with a third of the ads he had planned? Is it Ray Beausoleil, who wants to pay the debt immediately? Is it Bert Wells, who decided not to redo any of the planned format for the yearbook? Is it really worth worrying about? After all, it's only three dollars.

[Neither the BOD nor the Excom has the authority to levy a cost increase (or surcharge or tax, or whatever you want to call it). The price is specified in the ASCIT By-laws, article XIV, and cannot be changed without an approval vote by the entire student body (By-laws, article XVII). Last years By-laws change had no effect on this, since the price is specified in the By-laws themselves and not the Resolutions to the By-laws.

Even if it were technically legal, there is absolutely no precedent for ASCIT to change the price of anything without a vote of the student body. If the BOD decides they want more money for the Big T they must go to the voters, as specified in the By-laws. —Spencer Klein]

Choke!

He: I suppose you dance?

She: Oh yes, I love to.

He: Great, let's do that instead!

CLASSIFIED ADS

CONTACT LENS WEARERS: save on brand name hard and soft lens supplies. Send for free illustrated catalog. Contact Lens Supplies, Box 7453, Phoenix, AZ 85011.

STILL GULLIBLE computroll seeks magtapes. Jim Angel x2830 or 793-2244 or send mail to [29970,JZA].

ADDRESSERS wanted immediately. Work at home —no experience necessary— excellent pay. Write American Service, 8350 Park Lane, Suite 269, Dallas, TX 75231.

Young dr., wife, child need furnished house July 1 through June '79, prefer to rent from Caltech faculty going on sabbatical; call 450-2710, Dr. Benham.

Pianist needed to accompany singers, classical/pop. For audition, 798-2891.

FOR SALE: CRC Handbook, 55th edition, \$12. Contact Spencer Klein, 29 Ricketts.

TYPING: Thesis/MS/Tech./Cassette. Polished quality, 15 years experience. Phone (213) 357-2311 days, (714) 593-4046 residence.

TYPING: Ruth C., Expert typist, West Los Angeles. Dissertations, Tables, Correcting Selectric. Symbols, pica and elite. Many typestyles. 7 days a week. 838-8425.

Apr. 20-22 **CHAKRA**
Apr. 20-21 **BEVERLY SPAULDING**
Apr. 23 **NIGHT OF PRAISE**
ISAIAH JONES, JR.
ALAN BASHAM
Apr. 25-26 **STAGE/KRYSIA KRISTIANNE**
STREET NOISE

DOUG WESTON'S World Famous
Troubadour
COCKTAILS • DINNERS • HOOT MONDAYS • NO AGE LIMIT
9081 SANTA MONICA BLVD., L.A. 276-6168

Clip and Save Trans Tuneup \$25.00
PASADENA TRANSMISSION
26 N. Hill Ave. 792-6104 Member BBB
Get Our Price And Guarantee Before You Buy!
PASSENGER CARS — 2 YEAR OR 24,000 MI. WARRANTY
Price Includes Installation

| | |
|--|-------|
| ALL CHEV. POWER GLIDES 63-76 | \$180 |
| ALL GENERAL MOTORS TURBINE 300 64-69 | \$190 |
| ALL GENERAL MOTORS TURBINE 350 & 400 64-76 | \$225 |
| ALL C-4 FORD/MERC (SMALL CARS) 64-76 | \$195 |
| ALL C-6 FORD/MERC (LARGE CARS) 64-76 | \$225 |
| ALL CHRYSL. PRODUCTS 6 CYL. 62-76 | \$195 |
| ALL CHRYSL. PRODUCTS 8 CYL. 62-76 | \$225 |
| ALL AMC PRODUCTS 62-76 | \$225 |
| ALL SEALED TORQUE CONVERTERS Amer. cars | \$68 |

CALL FOR FOREIGN CAR PRICES, FREE ESTIMATES
TAXES & FLUID EXTRA. FINANCING AVAILABLE.
FR WHEEL DR NOT INCL. SE HABLA ESPANOL

ENGINEERS

Federal Government agencies are involved in some of the most important technological work being done todayin energy fields, communication, transportation, consumer protection, defense, exploring inner and outer space and the environment.

Some of our jobs are unique, with projects and facilities found nowhere else. Salaries are good, the work is interesting and there are excellent opportunities for advancement.

Our nationwide network can get your name referred to agencies in every part of the country. For information about best opportunities by specialty and location, send a coupon or your resume to: Engineering Recruitment, Room 6A11.



U.S. Civil Service Commission
Washington, D.C. 20415

An Equal Opportunity Employer

Name _____
Address _____
City _____ State _____ Zip _____
Degree level and Engineering Speciality _____
Univ. Col. _____ Yr. Grad. _____
Geographic Preference(s) _____

4-Day, 36-Hour Week!

Interactive Graphics Programming

California Computer Products, Inc., a leader in the field of computer graphics, has several programming positions open in interactive graphics applications that we wish to fill with June graduates.

The successful applicants will be in such areas as raster graphics, man-machine interfacing, utility mapping, and development of sophisticated interactive packages for 2D drafting. Also will be involved with minicomputer systems programming on interactive graphics systems. Requirements include a good working knowledge of FORTRAN and/or PASCAL. Exposure to various minicomputer systems would be desirable. A degree in Computer Science, Electrical Engineering or other related technical discipline is required.

For further information, please send a copy of your resume to:

Don Modie
P.O. Box 4407
Anaheim, Calif. 92806

CALCOMP

CALIFORNIA COMPUTER PRODUCTS, INC.
An equal opportunity/affirmative action employer

STOTTLEMYER'S French Connection

569 South Lake Avenue • Pasadena, Calif. • 449-5050

Gigantic sandwiches, Unique salads,
Homemade soups. Pizza, Quiche Lorraine,
Fondue, European and homemade desserts.
Altadena soft frozen yogurt

You may bring your
own favorite beer or wine

OPEN 7 DAYS Sun. & Mon. 11am—7pm
Tues.—Sat. 11am—10pm

Present your student ID and get 50¢ off any
purchase of \$2 or more (through April 30)