

And Right On The Front Page

# Joe, Here's Your Picture



An unfortunate Darb (the horizontal decker) is escorted to an informal meeting with the Fleming shower. After the Fleming cannon was painted a healthy shade of pink last Saturday morning by a few, as yet, unnamed perpetrators, the Flems were understandably irked. As a result, they turned to devious methods of finding the conspirators and guarding the cannon. The latter was performed rather obviously by leaving their lounge door open, but the former was not discovered until some of the alleged (Dabneyites all: Steve Allen, Joseph Decker and Keith "Keevax" Hughes) criminals came forth during Wednesday's dinner in Fleming House to announce that they indeed were the exterior decorators of the cannon. The Flems subsequently showered them. How predictable.

Intimate Details of Meeting

# Saga Slop Exposed

By Glen Swindle

Tonight most of us will enjoy another meal prepared by Saga Foods, and it is likely that Saga will be serving us through the next academic year. In view of the scheduled renewal of Caltech's contract with Saga at

the end of this month, the Food Service Committee, a group of students consisting of representatives from each of the student houses, was organized to coherently express the opinions of the student body about current food service. Created through the efforts of Eric Chang of Ricketts House, the Food Service Committee has since met with Mr. Mike Bauccio, District Operations Manager of Saga Corporation, and Mr. James Minges, Caltech's Director of Business Services, to discuss the probable contract renewal with Saga.

## Shop Wants Gameroom

The Student Shop is the largest ASCIT organization on campus. As of now, membership is nearly 100 students along with assorted grad students, postgrads and staff. In addition there are at least 100 other undergrads who have been members at one time and a few who use the shop but are not members.

Now however, the shop is faced with a number of problems:

1. Shortage of storage space.
2. Machines already in the shop cannot be set up for operation due to lack of space.
3. The shop may lose machines which would otherwise be donated to use because we simply don't have anywhere to put them.
4. Overcrowding and lack of workspace.

Since the only solution is to expand the present facilities, the Student Shop Committee proposes that the shop be given control of the ASCIT gameroom, this being the only space adjacent in Winnett.

This leaves the question "What do we do with the

Presentation of the student opinion of food service at this meeting was based extensively on the results of a survey conducted by Richard Willson, a member of Ricketts House and a consultant to the Food Service Committee. Discussion of the food that we are now consuming centered on two basic topics—the quality of the ingredients and the way that the meals are prepared. The methods of preparation used by Saga were subjected to extensive discussion; a major complaint being that most of the food is served either cold or poorly cooked. Some students suggested the possibility of staggering the times that dinner is served in each of the student houses so that the kitchens would not have to struggle with serving seven houses simultaneously. If implemented, such a staggering system should result in warmer, fresher food. To the surprise of many at the meeting, Mr. Bauccio claimed that such a system would pro-

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# the body shop

## Warning Symptoms While Exercising, and What to Do About Them

Having begun your exercise program, certain situations may occur which indicate that you are doing too much. The warnings listed below are not cause for panic, but rather for cooling down and stopping exercise, evaluating and readjusting your program, and sometimes for consulting with your physician.

SYMPTOM	CAUSE	REMEDY
1. Abnormal heart action; e.g. — pulse becoming irregular — fluttering, jumping or palpitations in chest or throat — sudden bursts of rapid heartbeats — sudden very slow pulse when a moment before it had been on target. (Immediate or delayed)	Extrasystoles (extra heart beats), dropped heartbeats, or disorders of cardiac rhythm. This may or may not be dangerous and should be checked out by physician.	Consult physician before resuming exercise program. He may provide medication to temporarily eliminate the problem and allow you to safely resume your exercise program, or you may have a completely harmless kind of cardiac rhythm disorder.
2. Pain or pressure in the center of the chest or the arm or throat precipitated by exercise or following exercise. (Immediate or delayed)	Possible heart pain.	Consult physician before resuming exercise program.
3. Dizziness, lightheadedness, sudden incoordination, confusion, cold sweat, glassy stare, pallor, blueness or fainting. (Immediate)	Insufficient blood to the brain	Do not try to cool down. Stop exercising and lie down with feet elevated, or put head down between legs until symptoms pass. Later consult physician before next exercise session.
4. Persistent rapid heart action near the target level even 5-10 minutes after the exercise was stopped. (Immediate)	Exercise is probably too vigorous.	Keep heart rate at lower end of target zone or below. Increase the vigor of exercise more slowly. If these measures do not control the excessively high recovery heart rate, consult physician.

continued on page 2

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for  
63 units of blood  
donated through  
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SEE A PHYSICIAN BEFORE RESUMING REMEDIES WHICH MAY BE SELF-ADMINISTERED

# EDITORIALS (and other such lies)

## INT(RND(0))

Over the course of this term, we have noticed a subtle, yet distinct, shift in attitudes at Caltech. People are acting more forcefully and more purposefully than at any time before Christmas break. This may be partly due to "second term letdown"—the medical term used to describe the *apparent* length of the second term. But most of the blame lies on a common enemy of mankind: lack of humor.

We, at the *Tech*, admit to fostering some of this scourge, and feel helpless about the situation; on the one hand, we must run articles submitted by all folk, humorous or not. On the other, we cannot drastically alter articles (i.e. omit verbs, transpose columns, typeset in *Murray Bold*, etc.); our hands are tied.

Most of the problem, we believe, lies in the weekly columns. Examine the paper carefully: there is "The Body Shop"—Health Center stuff with slight tinges of humor. There is "Billie and Ich"—special interest column for bikers. Not even "the naturalist" nor "Christopher Robbin" can allay this problem. Ideas and methods have become commonplace, hackneyed, dry.

What is needed to alleviate this problem is something new and/or spontaneous. What is needed is a certain combination of vitality and randomness, which we will call "Bounciness" (the stuff that is produced ev'ry wek id puerlyu unintewntionmal). What we need is the wit and sharp humor [to protect the author's identity, we will abbreviate his name D.(as in Duncan) M.(as in Mahoney)] of R.(as in Random) N.(as in Numbers). Here is an example of bounciness. For the epilogue of his column, he wrote<sup>1</sup>:

On 11-29-79, Duncan G. Mahoney discovered that he was incapable of typing with his nose.

Or we'd even take something like "Jelloh":

I reached Dabney House and got a foot stuck in the wheel of a bicycle. I slid to a stop on my stomach...

CONTINUED ON PAGE 4

### THE CALTECH Y . . . . . fly-by

Saturday, February 21, 1981. Another trip to go YACHTING! Those of you who are going must meet in front of Winnett Center at 8:00 am. (You've got to suffer for a little fun.)

Tuesday, February 24, 1981. KINGS vs. EDMONTON HOCKEY at the Forum. Those who signed up and won the lottery must pay the \$5.00 per ticket by noon Monday, February 23, or else they go to someone else. Limited transportation can be provided by The Y, so be sure to ask about the details at The Y office.

Tuesday, February 24, 1981. THE PHOTO WORKSHOP LIVES ON! At 4:15, in Clubroom I of Winnett, Dr. A.M. Razum will talk on "Centers of Interest and Simplicity." This program is for those who have enrolled in the Photography Workshop.

Tuesday, February 24, 1981. An EVENING DISCUSSION focusing on CONTEMPORARY MEXICO. Tonight's speaker is Thomas G. Sanders of the American Universities Field Staff, formerly an Associate Professor of Religious Studies at Brown University. At 7:30 p.m. in Winnett Lounge.

Saturday, February 28, 1981. A Trip to MY FAIR LADY. 25 tickets are available for the 3:00 matinee show, at \$15.00 per ticket. Sign-up at The Y office on Tuesday, February 24, and Wednesday, February 25. The tickets will be distributed by lottery if necessary.

# the Body shop cont'd

SYMPTOM	CAUSE	REMEDY	FROM ONE
5. Flare up of arthritic condition or gout which usually occurs in hips, knees, ankles, or big toe (weight-bearing joints). (Immediate or delayed)	Trauma to joints which are particularly vulnerable.	If you are familiar with how to quiet these flare-ups of your old joint condition, use your usual remedies. Rest up and do not resume your exercise program until the condition subsides. Then resume the exercise at a lower level with protective footwear on softer surfaces, or select other exercises which will put less strain on the impaired joints; e.g. swimming will be better for people with arthritis of the hips since it can be done mostly with the arms. If this is new arthritis, or if there is no response to usual remedies, see physician.	
6. Nausea or vomiting after exercise. (Immediate)	Not enough oxygen to the intestine. You are either exercising too vigorously or cooling down too quickly.	Exercise less vigorously and be sure to take a more gradual and longer cool down.	
7. Extreme breathlessness lasting more than 10 minutes after stopping exercise. (Immediate)	Exercise is too taxing to your cardiovascular system or lungs.	Stay at the lower end of your target range. If symptoms persist, do even less than target level. Be sure that while you are exercising you are not too breathless to talk to a companion.	
8. Prolonged fatigue even 24 hours later. (Delayed)	Exercise is too vigorous.	Stay at lower end of target range or below. Increase level more gradually.	
9. Shin splints (pain on the front or sides of lower leg). (Delayed)	Inflammation of the fascia connecting the leg bones, or muscle tears where muscles of the lower leg connect to the bones.	Use shoes with thicker soles. Work out on turf which is easier on your legs.	

REMEDIES WHICH MAY BE SELF-ADMINISTERED

CAN BE REMEDIED WITHOUT MEDICAL CONSULTATION

continued on page 8

# Letters On Page 6

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TONIGHT:

# Slaughterhouse Five

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NEXT WEEK: *The Kids Are Alright*

### The California Tech

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**Editors-in-Chief**  
Roger Fong  
Tracy Furutani  
Ed Suranyi

**Associate Editors**  
Alan Loh  
Dave Younge  
Stuart Goodnick

**Writers**  
Joe Balke, Margie Farrell, Les Grate, Lisa Grenier, Grover, H.N.I. Mayhem, Absolutely Not Paul Ste. Marie, Richard Pogge, Bruce Sams, Lee Sunderlin, Glen Swindle

**Photographers**  
Ken Gant, Paul Ste. Marie, Steve Swanson, Mark Waggoner

**Production**  
Nick Smith, Peter Kaminski

**Business Manager**  
Gavin Claypool

**Circulation Manager**  
Paul Eskridge

**Special Consultant**  
Manny

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# Christopher Robbin

By C.R.G.

This is the first of a series of articles intended to be entertaining, informative and thought-provoking.

You will be given a series of events and a position of authority in the scenario. Confused? Try this one:

You are the President of the United States and the following information has just been given to you:

Soviet airborne units have just secured the airfields at Lodz, Wroclaw, Warsaw, Cracow, Katowice, and Poznan. Soviet naval forces have taken control of the following ports: Gdansk, Gdania and Szczecin. East German based Soviet troops are crossing the Oder and Neisse rivers at Forst and Frankfurt (East Germany). Czechoslovakia based Soviet troops are crossing the border at Ostrava. The bulk of the invasion force is coming from the U.S.S.R. border from Lvov, Brest, Grodno and Kaliningrad.

"Well Mr. President, Russia has just invaded Poland, what are we going to do?"

Give it a little thought.

Listed below are the consequences of a few choices.

a) Do nothing. This view would result in the loss of tens of thousands (possibly over a

hundred thousand) lives. As well as giving Russia total control of Poland. We would also partially lose face with the rest of the world, but **no U.S. citizens would die.**

b) Aid the Polish forces with arms and munitions through third party countries. In a realistic sense, this would only prolong the war. Russia would still have its 60 divisions. Poland would not have an organized military; most of the resistance would come from guerrilla forces deep within the Polish forests. Third party tactics would only result in more lives lost, but **no U.S. citizens would die and the U.S. wouldn't lose as much face as if we did nothing.**

c) Intervene with conventional weapons in Poland. This would be a very costly maneuver. Millions of dollars and thousands of lives would be involved (and at stake). The RDF (Rapid Deployment Force) may not be able to get the men and equipment there in time. (Reagan is planning to devote millions of dollars to the RDF in the next few years as part of his increased defense spending promise). After (and if) you get the troops there, you have to worry about supplying them with food, fuel and provisions. (The Polish winters are very cold!) The U.S.S.R. could have as many as one million troops. We could only send in a few hun-

dred thousand. We'd be outnumbered in a foreign country fighting an enemy that's trained for exactly this type of war. We'd most likely lose. Loss of life: high. Expenditures: high.

d) Nuclear strike against U.S.S.R. Not a wise move. Russia would counterstrike in a matter of seconds and in half an hour millions of people are dead.

e) Conventional strike against Russia (not very effective). Russia would probably counter with a similiar attack. Loss of life: high. End result: loss of life **period.**

(Don't lose track of what

you're trying to get out of this).

There are other answers, but just think them through. Interesting, huh? How could the U.S. come out on top? Can the U.S. come out on top? Well, what would you do?

Future articles in this series will try to deal with many subjects from religions to the creation of artificial life.

And so, for this week, what would you do?

P.S. This article sparked quite an argument when it was read in one of the houses after it was completed.

## Art and Architecture

In conjunction with the current exhibition "SITE: Buildings and Spaces" at Baxter Art Gallery, Coy Howard, noted architectural designer, will be speaking on the subject of SITE, the innovative architectural firm from New York, and the controversy centered on the firm's position in the worlds of art and architecture. The lecture will be held Tuesday, 24 February, at 8 pm in the Baxter Lecture Hall. The public is invited and there is no admission charge.

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### WHO?

If you are graduating in June (or sooner) with any degree in EE, CS, or a related field, see the Placement Office to arrange a visit on campus with the people from Teradata.

### WHEN?

Teradata will be visiting Caltech on Tuesday, February 24.

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# Bike Lane

## Billie und Ich

"They parked their bikes in the hall, and without turning on the lights felt their way into her bedroom..."

—Bernard Fischman  
*The Man who rode his 10-speed Bicycle to the Moon*

Well, we were planning to report on the riding conditions and places of interest in the Pomona-C Claremont area this week. Unfortunately, over a week ago, I had sprained my ankle while playing frisbee on skates and Lynnette at the

Health Center thought that it should be rested another week. Oh, well. I hope Billie can wait another week or two because she wants to go out there as much as I do.

In last week's column, I sort of put down California. Although riding in the L.A. area certainly has its bad points, it does have some good ones too. One most obvious fact is the quality of the roads. Although the arrangement and the general layout generally has much to be desired for bike

riding, you will not encounter the problems you find in New York. After all, you do not have to constantly dodge potholes in L.A. It is almost like flying over the Rhine in 1943. Falling into one of the fabled New York potholes can be a disaster whether you are on a bike or a taxicab. (I haven't tried an XM-1 yet since they usually break down before they get to N.Y.)

Although many people think that the weather out here is a big plus for biking, I feel otherwise. As many frosh have recently learned, it DOES rain in Southern California. Also, the factors that keep this rain away most of the time either create a lot of wind or makes

the air dangerous to breathe. It should also be pointed out that greater solar flux and temperatures create problems for bikers. Aside from overheating one's body and the constant need for fluids, the bike may also be affected. I have had two flats due to overpressure from heating. Also, some rim cements for sew-up tires can melt in hot weather. Just remember to be careful if you are not used to riding in this area.

By far the best part of riding in this area is the mountains. I can think of nothing better to admire while riding other than a certain type of biker ahead of you. Unlike the ocean on the most part, the mountains will seem to change as one moves along, especially in a direction parallel to them. It is almost as though the mountain is alive. Also, if you are familiar with the orientation of the peaks, you can use them as navigational aids. Try to remember in your head the image of Mt. Wilson and Mt. Harvard from the campus in case you get yourself lost.

Last term Billie and I head-

ed out toward Claremont on one lazy Sunday. There was a wind from the East to provide me a strong but steady headwind. There is a saying among bikers, "Always a headwind and an uphill," which makes the return trip easier. Although we ran off of my map and the wind shifted around San Dimas to force our return, this still turned out to be a special ride. On that day, there was a fire in San Gabriel Canyon, about a mile north of Foothill Blvd. Because of the strong winds, this fire was spreading out of the canyon. This meant that we had to ride through the smoke and the ashes from the thing. Also, watching those Privateers and Flying Boxcars do their water bombing, I was quite impressed.

By the way, Billie and I are writing this column freelance because we feel that this rag can use some interesting material to print. If you have something to say or add to what we say, just find us in Ruddock and tell us. Actually, any type of feedback will be greatly appreciated.

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# INT(RAND(0))

FROM TWO

Inside the dining room, lunch was still going. Was it possible that nobody had heard yet?

"Dunbar's been murdered," I screamed. They all looked at me. I stared back. I noticed that some of them had been in the class where Dunbar got it.<sup>2</sup>

This has bounciness; it flows, while being random, it has humor and a point hidden deep inside.

Bounciness applied in the correct amounts will help revitalize the *Tech*, and for this reason, we are soliciting the abovementioned writers to perhaps lay aside past differences and contribute once again. Hopefully, within a month of this bombast, a new *Tech* may spring up and bounce with new humor.

—Tracy "Terrance" Furutani

<sup>1</sup>The California Tech, Vol. LXXXI, Number 10, November 30, 1979, p. 2.

<sup>2</sup>The California Tech, Vol. LXXXI, Number 19, February 29, 1980, p. 6.



# History



by Pliny the even Younger  
Excerpts from this week in the history of Caltech taken from the pages of the *California Tech*.

19 February, 1948

Students logged complaints about the student food service after the price of a cup of coffee at the student cafeteria (known affectionately as the 'Greasy', or the 'Outhouse') was raised from 5% to 7%. Similar outrage was expressed over the fact that Oxy gives a good meal for 60%, where the same meal at Tech is 70%. As a possible solution to the problems that kept growing with the Campus Cafeteria was to place it under the control of ASCIT in an effort to gain efficiency, savings, and profits. As far as anyone can tell, nothing much else was said afterward, and the price of coffee remained at 7% a cup.

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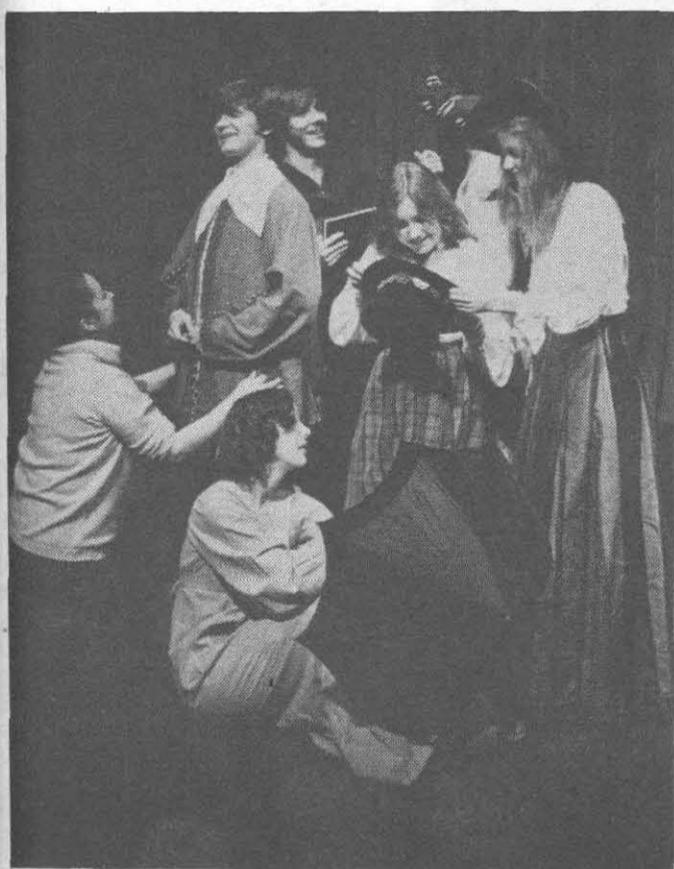
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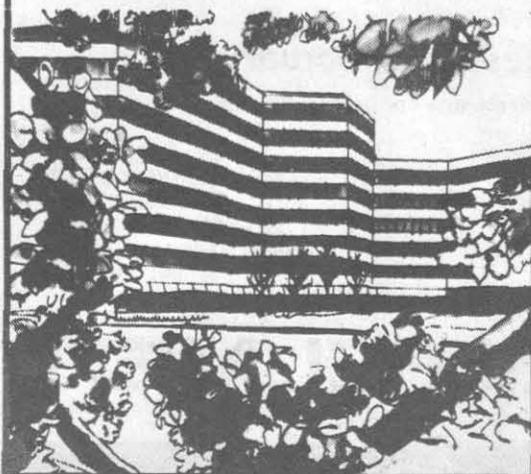
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**The Charles Stark Draper Laboratory, Inc.**

Caltech students prepare for the upcoming performances of this year's musical, *Candide*, by Leonard Bernstein. Chris Kingsley as the hero, *Candide*, is joined by Alice Cronin (also Assistant Director), R. C. Colgrove, Ginny Konikowski, C. J. Beagle and hiding behind a Turkish Turban, Chris Lindblad, who doubles as Student Producer. All line up to have their outfits checked by Flora Boyer, returning from Mills College (on her vacation time!) to help with wardrobe fittings. *Candide* will play Friday, February 27th, Saturday, February 28th and Sunday, March 1st, with matinees scheduled for both Saturday and Sunday afternoons at 2:30 pm. The Sunday afternoon performance will be interpreted for the hearing impaired. Get your tickets soon, as all five performances in Ramo Auditorium are sold out every year.



**Attn: Offices Available**  
Signups for the appointed ASCIT offices (Gameroom chairman, Elections chairman, Garage chairman, Publications Darkroom chairman, California Tech Business Manager, ESC Representative, and Ath Committee Rep-at-Large) are open on Theresa's door in Winnett Center. Hurry and sign up because we really don't know when they close (nobody told us).

# EPISTLES

## Concerning the Cannon Incident

To the Editors:

I read with interest Marc's Story, Dave's Story, and Epistles, all concerning the incident in which Marc's shoulder was screwed up. Both of the stories related by Flems insist that the incident occurred because of "errors in judgment and poor communication" but would not come out and say that they were sorry for the incident. Does an error in judgment make you innocent? Suppose someone had just shot someone. Isn't he liable for manslaughter? Why don't they just simply state that they were sorry that they had committed

a mistake and they won't do it next time? Instead, they try to say that it wasn't really their fault. Marc deserves an apology, not just a statement on how it happened.

As it turned out, the IHC has outlawed the use of full-nelsons in interhouse showerings except among Fleming and Page. This is a positive step but it won't stop further incidents similar to what happened to Marc. Only when people stop and recognize that just being there isn't "implied consent" can it stop. Even if the person does qualify under implied consent, the usage of the words

"I do not want to be showered" should stop the process. To continue would be taking the law into one's own hands. The person should be processed through the BOC or the IHC and reprimanded by them, not by an angered mob.

So, people, please stop and think, the next time you are about to cart someone off to the showers. Wonder what you would feel if the person being carted off was yourself. Wonder what would happen if you were totally innocent yet no one would believe you. Wonder why the calendar says 1981 instead of 1830. The way things happen around here has to change. The BOC and the IHC take care of things after they happen. It is up to each and every one of us to prevent such things from happening. The honor system is a treasured thing but it depends on us to make it work.

- Jimmy Kuo



## Declaration to Fleming

To the Editors:

In the past, I have held an obviously distorted view of the world in general and of contemporary Caltech social interaction in particular. However, after perusing *The serious California Tech* and reading in detail the most genuinely entertaining, engrossing and superlatively enlightening epistle by President Crowe, I have come to realize my willful and wanton misunderstanding concerning the reality of the situation, a reality intuitively obvious to the most casual observer.

Hitherto, I had groundlessly assumed that Fleming House in general and flems in particular behave with malice and contempt toward the rest of the

Caltech community. I can only thank God for the tremendous insight of the flems, who, in the face of almost insurmountable opposition, have discerned correctly that their posture of obnoxious arrogance toward the rest of the campus is a natural expression of house pride and of the strong feeling of unity within the house. Furthermore, I now understand that it is indeed they who are righteous, and that, excepting for flems, the whole world is out of step.

Henceforth, I shall conduct my intercourse with flems critically based upon my newly found due regard for the mutual trust between students here, guided by the true knowledge revealed by these amazing people.

Sincerely,

- Randolph Scott  
Lloyd House

[Ed. note: We have thus far not found any evidence to substantiate the existence of the person signed above. It is normally not the policy of the California Tech to print letters signed with fake names, unless the real identity of the pseudoperson is made known to the Editors, along with a good reason for the pseudonym. The point made in the letter, however, is an interesting one.]



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## PERKIN-ELMER

## Thanks

Open Letter:

I want to thank all of those who had the confidence and trust to vote for me in the recent Student Investment Fund elections. Being elected to the Board brought pleasant news last Sunday afternoon. I hope to do a good job. Thank you.

- Bradley Evans  
Lloyd House



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# SAGA SLOP

from one

ably cost more than the present one, and after some discussion, he agreed to compute the estimated cost for the suggested staggering method. Mr. Bauccio also stated that choice meats are already used in the entrees, although he continued that the students would have to pay more for a noticeable increase in the quality of food served. Upon request by the students at the meeting, he also agreed to assemble a sample list of expected entrees for 5, 10 and 15% increases in the current price of meals. Another complaint made by many was the lack of variety in the meals served. Several waiters present at the meeting claimed that Mr. Kevin Mulcahy, manager of Saga at Caltech, had been very uncooperative and closed-minded toward suggestions made by the waiters. The current contract provides for action by Saga in response to reasonable suggestions made by students.

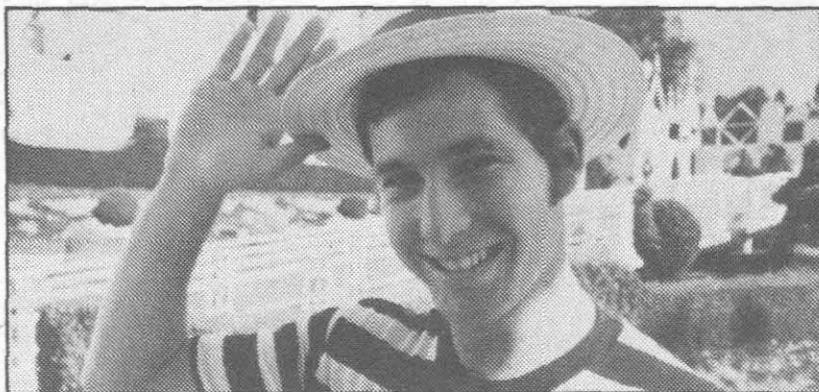
As the meeting proceeded, Mr. Bauccio explained that in the previous year Saga had lost approximately \$18,000 at Caltech, primarily due to high maintenance costs. When asked why Saga seemed so anxious to renew the contract in spite of these losses, he explained that Saga felt that better relations with Caltech could yield a potentially profitable arrangement. The possibility that money paid by students for board contract had been used to supplement Chandler Dining Hall (also run by Saga) was neither confirmed nor denied when Mr. Bauccio stated that the food used both for the student dining halls and for Chandler comes from the same storage areas, making separate inventories virtually impossible. Throughout the meeting, Mr. Bauccio firmly denied any implications that Saga was serving low quality food to compensate for the past un-

profitable year. Even with the apparently high prices that we are charged for meals (about \$6.25 per day), financial difficulties for Saga at Caltech are by no means inconceivable. Saga Corporation was formed in the late 1940s as a food chain, constructed around the concept of unlimited helpings. The largest part of Saga's business comes from serving universities, hospitals, and corporations. This food service aspect of Saga Corporation comprised 69% of its revenues for 1980, the remaining 31% provided by the three restaurant chains owned by Saga. Food service, while being the original business of the company, is not nearly as lucrative as it once was, and accounted for only 34% of Saga's earnings in 1980. Currently, Saga is obviously troubled with declining profitability of its food service establishments and is trying to reverse this trend.

Mr. James Minges, who represented the Caltech administration at the meeting, appeared to believe that Saga has been doing a reasonable job, while acknowledging the possibility of improvement in Saga food service. Unfortunately, the administration seemed very hesitant to consider any alternatives to Saga, namely other food service corporations or private dieticians, alternatives with which some universities have had considerable success.

Since the meeting with Saga, the Food Service Committee has met twice to assemble a list of suggested entrees from Saga's recipe file, to be used by Mr. Mulcahy on a trial basis. Another meeting with Mr. Bauccio and Mr. Minges is planned to discuss financial issues in greater detail, and, more pertinently, to decide whether to renew the contract with Saga for another year of food service.

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Petróleos de Venezuela S.A., la empresa petrolera estatal venezolana, adelanta actualmente un vasto programa de expansión. Las áreas principales de desarrollo son la exploración costa afuera, la ampliación de la capacidad de refinación y la explotación de los inmensos yacimientos de crudos pesados y extrapesados de la Faja Petrolífera del Orinoco.

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El ambiente de trabajo en INTEVEP es dinámico y estimulante. Los investigadores son en su mayoría jóvenes, altamente comprometidos con el reto que tiene planteado la organización. Los niveles de remuneración y beneficios sociales son muy atractivos. El Centro está ubicado en Los Teques, localidad a 30 kilómetros de Caracas, en una zona montañosa de hermosos paisajes y excelente clima.

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# SPORTS

## B-Ball Beavers Score Victory

By P. G. Hephzibah

After 12 straight losses, it seemed that the Caltech basketball team had forgotten how to win a game. Every time the Beavers would close in on an opponent, the Caltech coefficient of choke would take over and turn the momentum back in favor of the "other guys." For a while it appeared that last Friday would be no different.

Playing against Pacific Christian, the Beavers jumped out to an early lead. Pat McMurtry scored ten straight points, and it appeared that Caltech was really going to win

big for a change. But nooo. Pac Christian continuously came back to keep the game close.

Frank Janeczek scored 17 points and had 13 rebounds to lead Tech but it almost wasn't enough. Pacific Christian tied the score at 61-61 with 30 seconds left to play in the game. Bob Golden, after missing two free throws, scored the winning bucket to give the Beavers a 62-61 victory. The Beavers' next win will be tomorrow night against La Verne. Game starts at 8:00 pm at the Caltech gym.

CAN BE REMEDIED WITHOUT MEDICAL CONSULTATION

## The Body Shop

SYMPTOM	CAUSE	REMEDY	FROM TWO
10. Insomnia which was not present prior to the exercise program. (Delayed)	Exercise is too vigorous.	Stay at lower end of target range or below. Increase intensity of exercise gradually	
11. Pain in the calf muscles which occurs on heavy exercise but not at rest. (Immediate)	May be due to muscle cramps due to lack of use of these muscles, or exercising on hard surfaces. May also be due to poor circulation to the legs (called claudication).	Use shoes with thicker soles, cool down adequately. Muscle cramps should clear up after a few sessions. If "muscle cramps" do not subside, circulation is probably faulty. Try another type of exercise; e.g. bicycling instead of jogging in order to use different muscles.	
12. Side stitch (sticking under the ribs while exercising). (Immediate)	Diaphragm spasm. The diaphragm is the large muscle which separates the chest from the abdomen.	Lean forward while sitting, attempting to push the abdominal organs up against the diaphragm.	
13. Charley horse or muscle-bound feeling. (Immediate or delayed)	Muscles are deconditioned and unaccustomed to exercise.	Take hot bath and usual headache remedy. Next exercise should be less strenuous.	

(Taken from *Exercise Your Way to Fitness and Heart Health* by Lenore R. Zohman, M.D.)  
 -G. Ketabgian, M.D.  
 Health Center 1-8

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a Lit 15  
meeting!

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DIATOMIC

# INTERSIL'S INTERVIEWING

Date: Thursday, February 26, 1981

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Once, when the world was younger than 'tis today, a great kingdom flourished, and its name was Lennut, the fairest kingdom ever wrought by the hands of mortals, for it was here that the gods of Music did reside, playing continuously their sweet sounds for all to hear.

There were also other delights to be sought in the kingdom; it was said that in all of the other kingdoms of Aned Asap one could not experience the joys to be found in Lennut; even the air itself was delicately scented with scents to stimulate or to promote profundity.

But there came dark times, for with the downfall of the then-ruling lords of Lennut came a horde of creatures, those who scoffed at the sweet sounds of Lennut, those who mocked the offerings of incense, and above all those evil and most insidious graymen. (For ye who know not of the graymen, look about ye and see those whom you can not, save by extreme effort, discern; these be the graymen who will work to your undoing.) They greymen were like unto a hole in the sky, into which color and sound were sucked, never to reappear, save for fleeting death throes during the feast of the First Day of the Cycle of Slanif. Lennut became a mockery of its former self, a shadow that painfully hung on to the last thread of existence. Time and again, the spirit of Lennut was overpowered by the dark side of the mana, mana that drew power from the demons of Kute; yet the demons could not completely snuff the spirit of Lennut out of this plane of existence, for embedded within the very walls where once Lennut stood were the strangely drawn symbols that kept Lennut alive, if not well.

And now, may the graymen be thrice cursed, Lennut stands in its final hour. I pray unto ye, those whose blood still carries the memory of Lennut, to help our kingdom in this, its most bitter hour, to carry the fight once again for survival. Strike truly and strike well, for your fate has been cast from the laps of the gods into thine own strong hands. Godspeed.

—the realist

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**U F O**

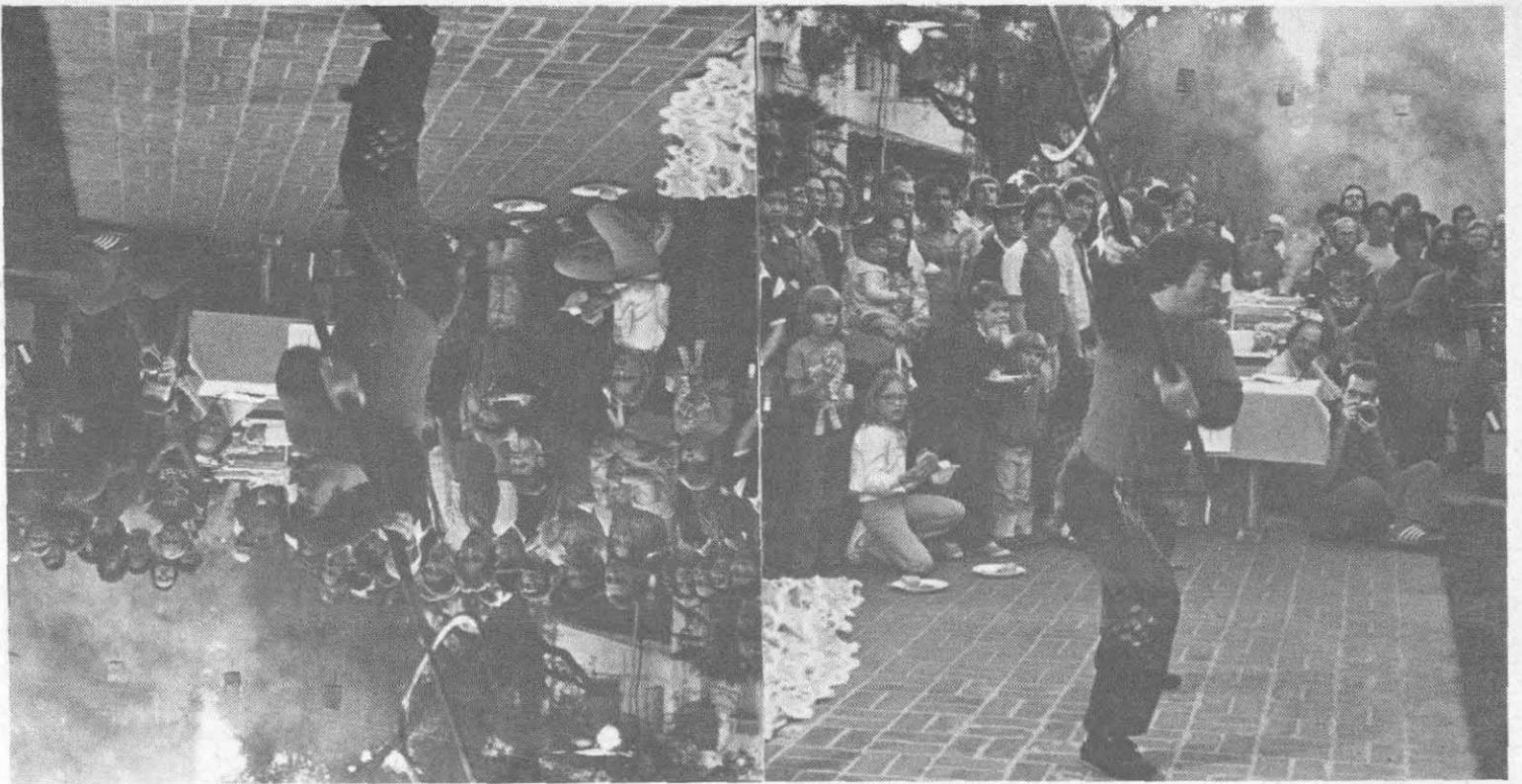
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- UFO TECHNOLOGICAL IMPLICATIONS
- WHO ARE THEY

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The Chinese New Year (of the Rooster) was received very well by the members of the Caltech community. Sponsored by the Master's Office, the event attracted a fair number of extra-Tech people. Many attractions, such as the martial arts dancers, the dragon train and a real barbecue style dinner, heightened the atmosphere of the evening. But can you spot the differences between the two photographs above? There are several.

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**Pacific Telephone**

Our representative will be on the Caltech campus on February 24, 1981. Please see our sign-up schedule in the Career Planning and Placement Office.

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## Y Presents

# Contemporary Mexican Politics Examined

By Joseph A. Garcia, Jr.

This upcoming Tuesday, Feb. 24, The Caltech Y will present a program, at 7:30 pm in Winnett Lounge, highlighting political and economic changes occurring in our previously obscure southern neighbor, Mexico. The program will focus on issues in contemporary Mexico. In particular, the discussion will explore the organization of the Mexican political system; effects of the recent Echeverría and López Portillo administrations; and the political and economic development Mexico is heading for. The focus will also be directed towards the problems Mexico still faces in the areas of agriculture, population and education.

Comments will be made on the political and economic policies Mexico currently is pursuing in the hope of solving these problems.

However, for all of their economic and political problems, Mexico is not a "third world" nation the U.S. can continue to overlook. The recent discovery of vast petroleum resources off the shore of Mexico has caused many an oil company to rear its ugly head due south. Fortunately, the Mexican government is prepared for this onslaught. They are not going to allow American corporations to exploit their resources at a cost to their people as many of their unfortunate "Latino cousins" have. In fact,

recent statements from the Mexican government, in terms of political and economic actions, have strongly established a Mexican policy which, at this point, does not include the giant U.S. corporations. The government of Mexico has made it clear to the world, and to the U.S. in particular, that they will deal with other nations on Mexico's terms when these issues concern Mexican resources. It would be wise, on behalf of the U.S., to change the existing attitude of pretentious ignorance towards Mexico if we are to be included in an undoubtably bright Mexican future.

The guest speaker hosting this program is Dr. Thomas G. Sanders, currently a member of

the American Universities Field Staff. Sanders, formerly an Associate Professor of Religious Studies at Brown University, received his A.B. in history from Duke University in 1952 and his Ph.D. in religion from Columbia University in 1958. Sanders has spent time in both Brazil and Chile investigating the changes taking place in Latin American Catholicism. Since joining the Field Staff in 1968, he has concentrated chiefly on Brazil, Chile and Mexico. Dr. Sanders has authored several publications dealing with Latin American religion, population, education, and politics. Dr. Sanders' current emphasis has been directed towards research and writing on human rights and the political process in Brazil. Once again, the program is at 7:30 pm in Winnett Lounge on Tuesday, Feb. 24. Hope to see you there.



## Insouciance

## Happy Band

The Preservation Hall Jazz Band played at Beckman Auditorium last Saturday night. When the band members walked on stage, they looked more like retirement home residents than jazz musicians. But, once they started playing, all doubts were pushed aside; these septuagenarians can really cook.

There was no set program for the evening; instead, the band led by trumpeter Kid Thomas Valentine played what they thought the audience would like to hear. These versatile musicians played everything from blues to swing, but they didn't confine their entertaining to music. The audience was treated to a little soft shoe from trombonist Worthia Thomas and some general clowning around from Kid Thomas and banjoist Manny Sayles.

The Preservation Hall Jazz Band has a very high standard of musicianship; most of the members have been playing jazz for over 50 years. The band provided a framework of tight playing on which individual performers could freely improvise. Saxophonist Emanuel Paul, Manny Sayles, and Worthia Thomas gave especially fine performances.

The Preservation Hall Jazz Band claims to be "the happiest show of the year." No one in the audience wanted to dispute this statement; they were too busy having a good time.

—Lisa Grenier

## Shop Talk

from one

gameroom?" ASCIT considered this question in 1978 but never reached a conclusion.

We've come up with three alternatives:

1. Move the gameroom to the basement of the old houses (its former location). This would necessitate the refurbishing of the basement at a cost of around \$11,000.

2. Dismantle the gameroom and let ASCIT divide the equipment among the houses.

3. Dismantle the gameroom.

Frankly, we prefer the last two, but we feel the matter deserves some discussion. In an informal survey, of 80 people questioned, 3 replied that they had used the gameroom in the last month. This would seem to indicate a trend away from the centralized facility and toward the houses buying and maintaining their own equipment according to their own interests. However, we need to hear from many more people—especially those who use the gameroom frequently—in order to make an informed decision.

On Theresa Meisling's office door in Winnett is a comment sheet to be used in case she's not in. We hope that a final decision will be made on this proposal soon, so try to come by before Feb. 28 and

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See our representative for an on campus interview February 27

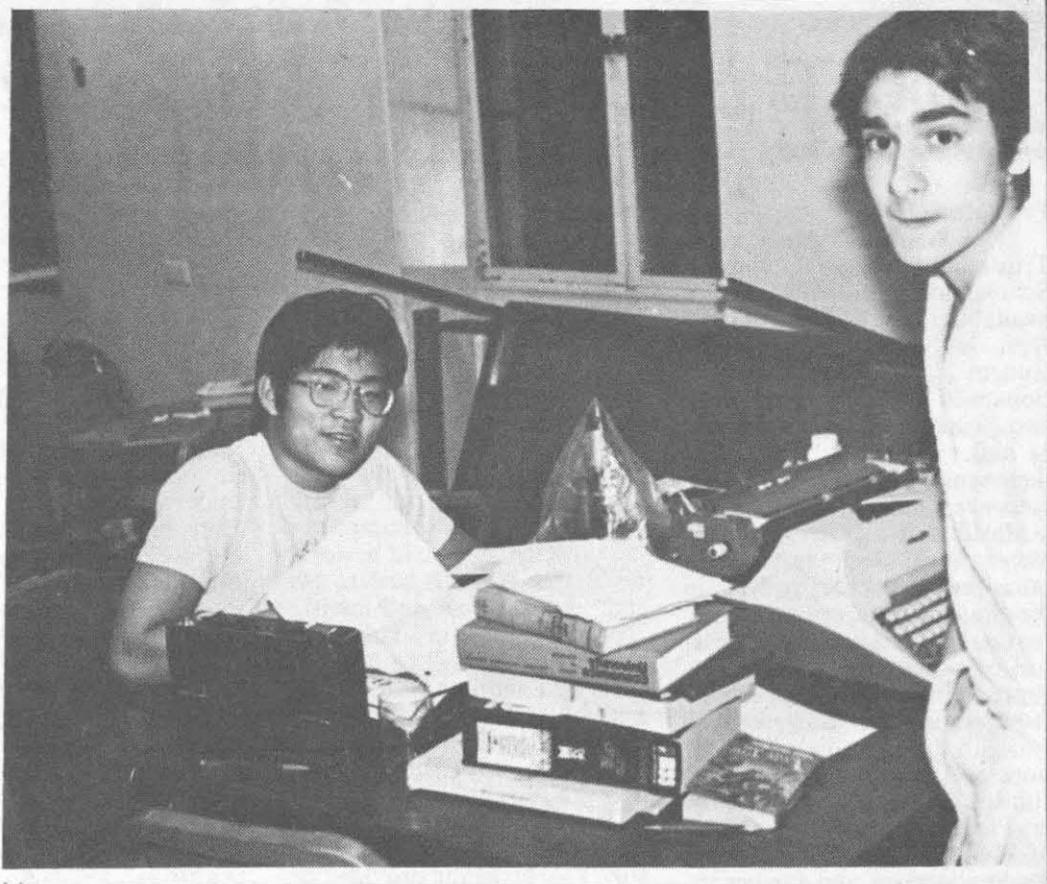
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# Imporant Notice For All Those Bored With Life

Hello. This is your wonderful *Tech* editor, with an absolutely fabulous opportunity for **you who are, like me, extremely bored with this mediocre, wretched existence.** Everyone hits this snag at least once, and the results may be fatal. Fortunately, when I reached this point, third week of first term, I glanced at an issue of the *Tech*, and, lo, there was an ad which promised me: **fame, fortune, drugs and women!** Taken by surprise (and armed with some knowledge of spelling), I followed the ad up, and soon found myself in Winnett Center, a layout troll. Now, I'm an editor and never have a dull moment; like me, you can troll seven weeks' worth of flicked homework at the end of the homework, much to your roommate's chagrin. But if you want to start off small, drop by the *Tech* office (across from Theresa) in Winnett, and see us or leave a note, and we'll see what we can do.



# Fair Lady Lottery

By Robert Hill

"My Fair Lady" is, according to its advertisers, "the world's best musical." And, if the current presentation of this classic stage show at the Pantages is any guide, they may well be correct.

Your Caltech Y is running a trip to the Pantages for the Saturday matinee on February 25. A sign-up sheet for this event will be in the Y office on Monday and Tuesday, February 24-25; there are 25 places available, and a lottery will be held if necessary. Cost is \$15, and transportation will be provided.

Based on the play *Pygmalion* by George Bernard Shaw, 'My Fair Lady' opened in Broadway in 1956. Written by Alan Lerner and Frederick Loewe, it stars Rex Harrison as Professor Henry Higgins and Julie Andrews as Eliza Dolittle. It ran for nearly seven years—2,717 performances. Pantages' production again has Harrison as Higgins and Cathleen Nesliff as Mrs. Higgins, but adds Cheryl Kennedy in her American debut as Eliza. Jack Crustlim is Col. Pickering, and Mile O'Shea as a particularly irrepressible Alfred P. Dolittle.

With the mixture of new and old cast and with the original set and costume designs of Oliver Smith and the late Sir Cecil Beaton respectively, the current Pantages performance received superlative reviews. The Pantages' notorious sound problems have been largely overcome as well, so the show is a pleasure to watch.

A thoroughly enjoyable evening's entertainment; definitely not to be missed. So remember, go and sign up in the Y office on Monday and Tuesday.

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**Free Money!**

The Bank of America as Trustee under the Jake Gimbel Scholarship Fund has funds available for \$1000 interest-free, ten-year loans to male student applicants. Applications will be considered from two categories of students: 1) male students currently in their senior year at Caltech and who are planning on pursuing a Master's or a Doctor's degree either at Caltech or at any other university or college in the State of California, 2) current graduate students in pursuit of a Master's or a Doctor's degree either from Caltech or from some other university or college in California. Applications are also restricted to U.S. citizens or permanent residents.

Please come by the Office of Financial Aid (208 Dabney) for applications and further information on the Jake Gimbel Scholarship Fund. The Office of Financial Aid will recommend each candidate for a scholarship loan upon review of all completed application materials. The deadline for returning all completed applications and letters of recommendation for this program to the Financial Aid Office is Friday, May 1, 1981.

**Free Music!**

Tuesday, March 3, at 8:00 in Dabney Hall, Michael Walsh will be giving a concert of original music. The program consists of several chamber ensembles of a neo-classical nature (no, this ain't New Wave). It's free. Be there.

**Use It Or Lose It!**

Any organization that was budgeted money from ASCIT for fiscal year 1980-81 must pick it up by Feb. 28 or it will be gone. This gives you only eight days! Contact Dan Pernich, 231-Lloyd, or phone 796-1698.

**SURF's Up!**

During the summer of 1981, there will be an opportunity for at least 25 Caltech undergraduates to participate in the Summer Undergraduate Research Fellowship (SURF) program. The fellowship will pay a stipend of \$2,200 per student for a ten-week project to be undertaken under the supervision of the Caltech research community. The student will be expected to attend a weekly discussion meeting and to present brief oral and written reports at the end of the summer. Selection will be based on perceived merit of the student and of the proposed research project. Choice of sponsor is at the discretion of the applicant, and the research project should reflect the mutual interest of both the applicant and sponsor. The program provides only the stipend for the student; other research expenses are to be borne by the sponsor. Applicants must be Caltech freshmen, sophomores, or juniors in good standing who plan to attend Caltech in 1981-82. Application forms are available from Carolyn Merkel in 207 Thomas, ext. 4285. Applications must be submitted before March 25, 1981. Final decisions will be made by April 15, 1981.

**ASCIT Money Requests**

Any student organization desiring ASCIT funds for the coming fiscal year must notify ASCIT in writing by February 27. The requests should include the organization's name, the number of ASCIT members in the organization, what the money is to be used for and any other sources of income the organization has. Send the requests to: ASCIT treasurer, Winnett, Student Center, 105-51.

**Struik Talks at Tech**

Dirk J. Struik, professor emeritus at MIT, will speak on Wednesday, February 25 at 7:30 pm in Winnett Lounge on the topic "Colonial Science in New Spain and California." Struik, a differential geometer and historian of mathematics and science in general, studied at the University of Leiden under H. A. Lorentz, P. Ehrenfest, and J. A. Schouten. He is a founding member of the Marxist quarterly *Science and Society* and the author of many scientific papers in the field of geometry, tensor calculus, and (with Norbert Wiener) the interpretation of quantum mechanics. His books include *Yankee Science in the Making* and *A Concise History of Mathematics* which is now in its third edition and has been translated into twelve languages.

Professor Struik's talk will range from the early maize growers to Friar Junipero Serra and the foundation of San Francisco.

The Office of the Vice President for Student Affairs invites twenty-five undergraduate students to join Professor Struik and members of the Caltech faculty at the Athenaeum on Wednesday evening. Sherry will be served in the Library of the Athenaeum at 5:30 pm, followed by a buffet dinner at 6:00 pm. A sign-up sheet will remain posted on Theresa's door (105 Winnett) until noon Tuesday.

**Quack wants you!**

Anyone interested in becoming a member of the Educational Policies Committee and helping publish the TQFR (i.e. summarize comments, get free donuts and dinner once in a while and gain the respect of faculty), should sign up on Theresa's door or see John Quackenbush in Fleming 67. Thank you, Quack.

**Classified Ads**

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**DIGITAL TECHNICIAN** experienced with microprocessors. Audio equipment manufacturer. Linn Electronics. 850-0741.

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**Buying or selling something? You, too, can take out an ad in *The California Tech!* The cost is \$2 per inch plus 30c per extra line for Classifieds. Bring ad copy to the Tech office or call 356-6154. OK?**

**Attention Grace Mah**

Grace, Grace, Grace!!!!!!! Please Marry ME. ME and nobody else. Think of our poor parentless baby spider plants. Ollie

**History**

**FROM FOUR**  
**20 February, 1958**  
 "We live in the most exciting period of the world's history," so said Vice President Richard Nixon in a speech to 2000 Caltech students, faculty, and staff members. Tricky Dick also told his audience that "If we allow our obsession of the military aspects of world conflict to be predominant, we will lose it... the conflict in the economic sphere, the sphere of propoganda, and of diplomatic activity," adding that we do not want to "buy friends."

**17 February, 1971**  
 Dwight Carey and Bob Durst of Ricketts House become the first people to scale the Southwest face of the Millikan Library. After spending over a month studying the library for ascent paths, and designing a special grappling hook which was inserted into the ventilation holes. Carey reached the top at 10:40 with Durst following along about a half an hour behind. Because several members of the administration did not approve of the attempt, it was decided to try it at night.

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