

## Crash Hits SIF

by Ian Dutton

Since early Monday, the top news stories have not been the state of affairs in the Persian Gulf or the progress of the World Series, but the dramatic dive of the stock market and its ensuing rally. The plunge of more than 20% of the market value has not only affected those holding stocks, but nearly anyone with money invested in any form. Here on campus, the Student Investment Fund has been keeping a wary eye on the changes in the market.

The Student Investment Fund was started in the late 70's with a grant of \$70,000 from Caltech trustee Stanley Johnson. The group has taken that money and invested it in diverse areas for the primary goal of gaining experience handling money, although it also has a goal of increasing its assets by 10% annually. Currently the SIF has assets totaling nearly \$124,000, even after Monday's dive.

The members of the SIF have nearly total control of where their money is channeled, but they do have some limits. For example, they are restricted to trading the stocks and bonds of American companies or mutual funds, which means that commodities and foreign currencies are not among their options. President Randy Levinson hopes to schedule speakers to discuss those very topics so that SIF members will have some exposure to these other means of investing.

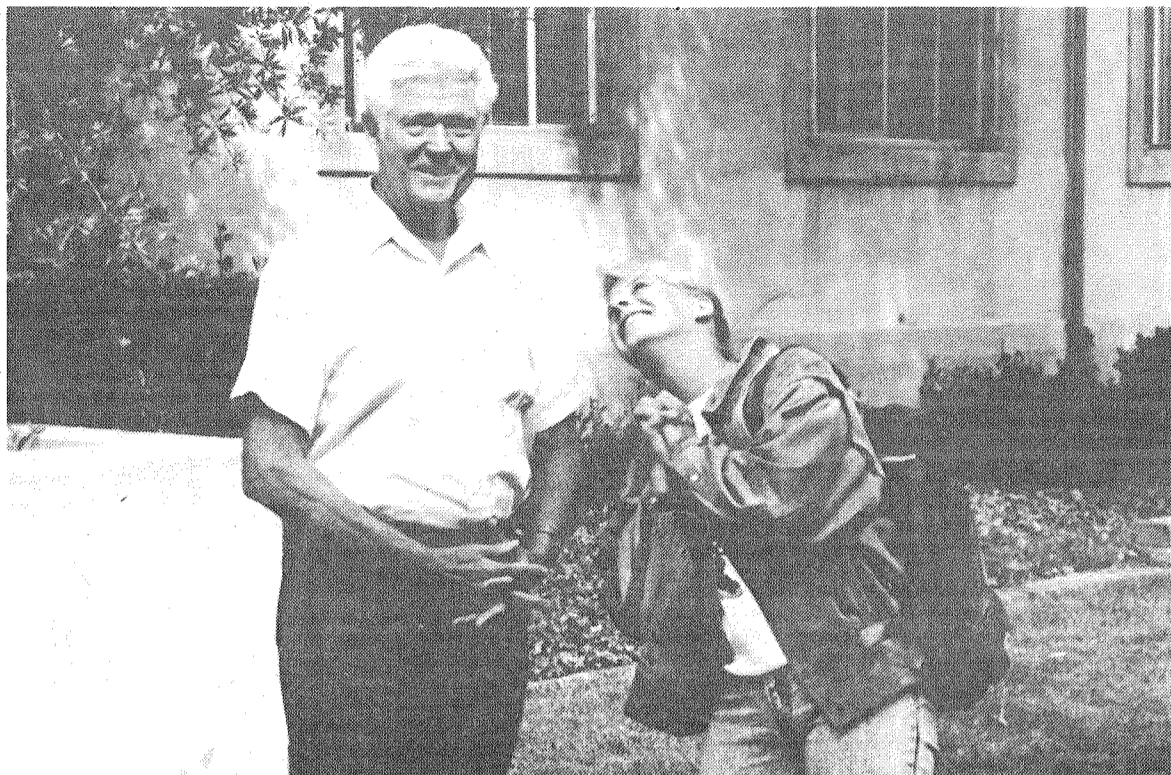
When a member is interested in

acquiring a particular stock, bond or mutual fund, they must first convince their fellow members that it would be a wise investment. Usually this includes collecting information about the company itself as well as the recent history of the performance of the stock or bond. If the members vote in favor of the acquisition, an order is placed through the Caltech treasurer and the SIF's broker. Then that purchase is traditionally managed by the one who proposed it—he keeps track of daily changes and usually is the one to suggest its sale. In this manner, individuals get to watch closely how various influences affect the trading prices.

Randy Levinson also mentioned that although members are given many opportunities to experiment with their theories, "the conditions are much different than they would be for the independent investor." For example, the average small investor doesn't start with a portfolio of well over \$100,000. Also, individuals don't have to worry about convincing others and can act much faster, not having to wait for meetings or a treasurer.

Still, Randy feels that this type of experience beats any kinds of economics classes because it is real money that is being dealt with. More lessons are learned through mistakes, and a point is driven home more deeply when the mistake costs hundreds or thousands of dollars.

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MOSH Bob Oliver sweeps Janine Hopkins off her feet. Janine is recovering nicely at the Huntington Memorial Hospital.

photo by Michael Keating

## Oliver Takes the Stage

by Marc Turner

What famous person have you heard of who grew up in California, used to do some acting, is involved in politics and international relations, and is over sixty? Actually, President Reagan declined our request for an interview. The person described above is our very

own Bob Oliver, Caltech's new Master of Student Houses.

Bob grew up in Southern California, where he graduated from USC with a Bachelors degree in International Relations. World War II began during this period, and he developed a deep interest in the question of "how to prevent war." After graduation he became a midshipman in the armed forces, where he remained until early 1946, when he left as a lieutenant second grade. The last few months were spent on a small island, playing softball and impatiently waiting to get home to his fiancée, who had waited two years for him.

His studies of international relations had brought no satisfactory answers to his concerns about war, so he considered a career as an attorney or in economics. He had been on the debate team in college. "I love to debate. I love to inquire about the why of things," he says. He enjoyed "discussing serious questions about serious issues," but felt that much of the studying involved in law was dull.

Economics began to appeal to him more and more. "It gave me things I could hang my hat on." As he earned his doctorate in economics at Princeton, he also discovered that "economics didn't answer everything." It did, however, provide generalizations from which one could derive substantial answers.

Following his studies, Dr. Oliver taught at USC for a few years, and later worked at the Stanford Research Institute. It was here that he wrote an economic survey report of Pasadena, which later led to the extensive redevelopment of the downtown area.

When he came to Caltech in 1959, Oliver had a side interest in local politics. In later years he served on the Pasadena Board of Directors, the Pasadena Planning Commission, and as President of the Pasadena Beautiful Foundation. He is currently part of the city's Utility Advisory Commission.

Macro-economic theory is his primary academic interest, and he has taught the course "The Economics of International Relations" for many years. He is quite proud of having received ASCIT's coveted teaching award. "Having decid-

ed early in life that I was unlikely to receive the Nobel prize for economics, I would have to try for second best, the ASCIT teaching award." Bob was also elected honorary alumnus at Caltech last spring.

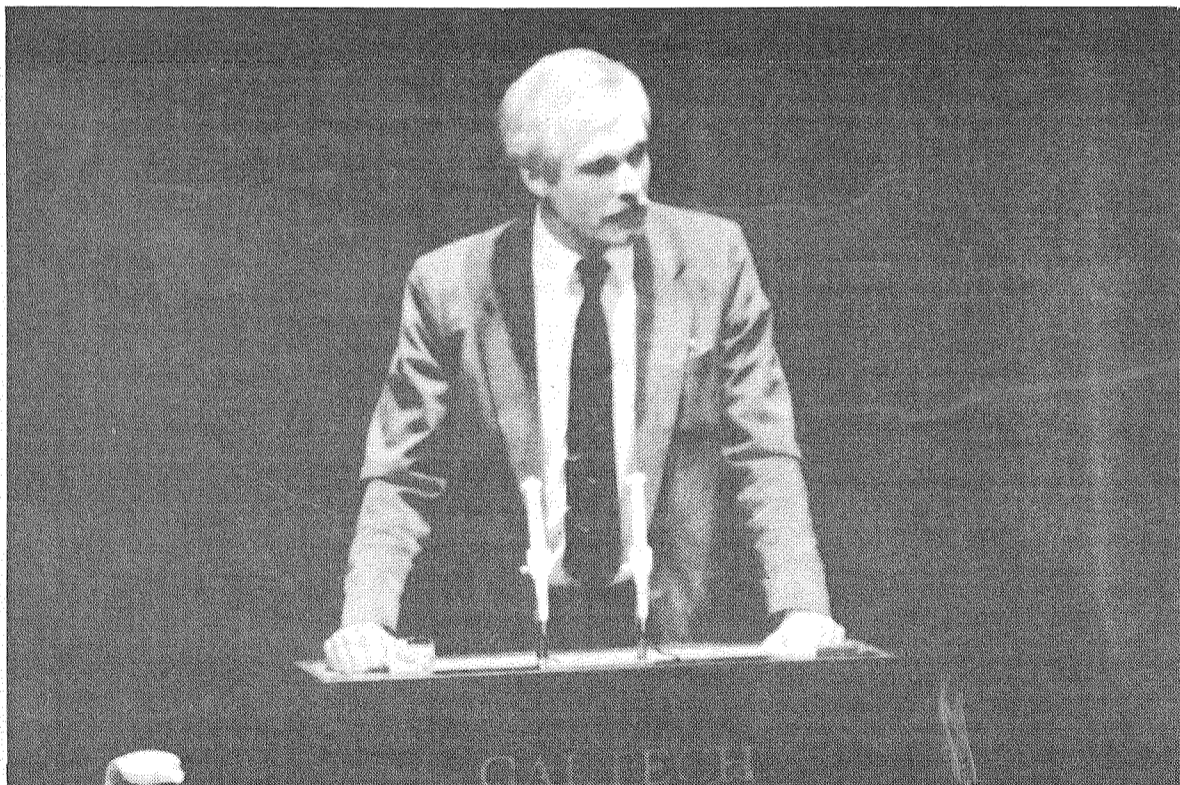
In his spare time Bob Oliver has enjoyed performing in a variety of musical productions, such as *Fantastics*. He recalls (and other sources corroborate) that he never made it completely through a performance with every line correct. Once he even went waltzing off the wrong direction during a dance. But what memory lacks, enthusiasm makes up.

The new MOSH certainly is enthusiastic about his new position, although he admits that he is still being educated as to what a MOSH is supposed to do. "I think I've mastered rotation," he said. As most of the freshmen can agree, that's quite a feat. He visited all of the campus houses during rotation week, and has decided that he would like to give more consideration to the precise manner in which it is carried out in future years.

Another problem that he is faced with as MOSH is the current housing shortage. This is partly a result of more students staying five years, some rooms being converted for computers, modification of the South basement, and some double rooms changing to singles. Furthermore, 20 students will be displaced to make room for a new building across the street west of Beckman Auditorium. Part of the solution has been to acquire more off campus houses on South Holliston, Chester, and Wilson.

To help Oliver with his duties is Conrad Mainwaring, the new Associate MOSH. Oliver describes him as vigorous, tireless, and enthusiastic in working with and getting to know students.

Bob is also getting to know the students and faculty better, and is carrying on the tradition of inviting a few to dinner each Tuesday evening. He is the oldest person ever asked to fill the position of MOSH at Caltech, but he hopes to teach again before retiring. "I'm enjoying it very much," he said. "We're trying to do it all, the best that we can."



President's Lecture Series begins a new year with the arrival of Ted Turner. Turner, a media mogul, entertains an enthusiastic crowd with political potpourri. Commentary on page 2.

photo by David Bruning

## Dr. Miller Arrives at Health Center

by Jackie Holmes  
and Chandra Tucker

This year, many new faces appear at the Young Health Center, following a comprehensive staff change. Most notably, Dr. Stuart Miller has replaced Dr. Greg Ketabgian as its director. He brings his enthusiasm and ideas in hope of giving it a "new attitude."

As director of the Health Center, Dr. Miller is responsible for the administrative aspects of the Center's day-to-day operation. This includes overseeing personnel changes, directing the budget, and representing the Health Center in the community. Also, he is directly involved in the medical care and

health education given to students.

Born and raised in Chicago, Dr. Miller attended the University of Illinois, where he did both his undergraduate work and medical schooling. Afterwards, he did a residency at the Masonic Hospital in Illinois.

In January of 1983, he moved to Pasadena to start a group practice, which he continues today. In addition to working at his group practice and holding the position of director of the Health Center, Dr. Miller is affiliated with the Huntington Hospital in Pasadena, and teaches students and medical residents at USC.

With so many duties, one

would imagine that Dr. Miller would not have much time or energy for each of them; yet his enthusiasm for the center seems limitless. As proof, he has developed some plans, and already implemented several of them. For example, the center has started a column in the *Tech*, "Ask Dr. Beaver," in which students can anonymously ask the Health Center staff medical questions.

In addition, Dr. Miller plans to host several open houses throughout the year in order to inform students about the center and its offerings, and to help them feel at ease when they do use it. "I want

continued on page 3

## OPINION

## Turner Demonstrates Ignorance

by David Bruning

In a talk greeted by both heartfelt applause and equally heartfelt jeers, Ted Turner kicked off the President's Lecture Series last Wednesday night in Beckman Auditorium. Speaking in an inarticulate and off-the-cuff manner, his talk covered a wide range of topics including disarmament, environmental problems, birth control, and the Reagan Administration.

After explaining his background, Mr. Turner launched into a discourse on the benefits of disarmament. Based on his visits with the Soviets and in particular Mikhail Gorbachev, Turner believes that the Soviets are prepared to follow a policy of complete disarmament. During the question and answer period, it became apparent that these beliefs are founded in a trust of the Soviets that few Americans share. He completely ignores previous situations in which treaties or other agreements were completely ignored by the Soviets.

Turner also believes in a

pacifistic approach toward the situation in the Middle East. His ideas for policy in the Persian Gulf include a withdrawal of American warships. But many times in his talk he explained that the world lives and dies together.

In response to a question pointing out that the U.S. is actually protecting its allies' interests as well as its own from the machinations of the fascist Ayatollah, Turner ignored his previous statements. He responded by asking where the British and Japanese are and also went into another of his attacks on the Reagan Administration. His attack included the accusation that Reagan only moved the warships there to retaliate for the loss of face incurred by failed hostage deals. In this statement, Turner, however, ignored the attacks on non-Iraqi and non-Iranian shipping that have prompted the U.S. response.

The response to the talk was varied. Many of the listeners were understandably amused by the anecdotes that peppered the talk.

However, when Turner moved into the political realm, he showed his lack of in-depth knowledge. He repeatedly used the defense that he was only stating his opinion, which is entirely acceptable, except for the fact that he runs one of the main news networks in the country.

Many of the listeners were very amused by his talk because of his simplistic views and lack of understanding. An example of this understanding problem is Turner's contention that our next move in space is to travel to the stars, which we will do by traveling "at ten times the speed of light because they are so far away." Unfortunately, he was not kidding.

Turner's speech was certainly one of the more entertaining speeches of the year. Besides containing humorous anecdotes, the talk humored the audience by giving the listener a view into the obviously simple mind of one of the country's most successful businessmen.

## An Apology??!! Last One for Decades

We, the editors of the *California Tech*, would like to make a few statements and clarifications about last week's issue of the *Tech*.

First, congratulations are in order for the winners of last week's runoff elections: Rich Arrieta for Senior Class President, VanEric Stein for Senior Class Treasurer, and Tom Bewley for Junior Class President. We would like to extend an special apology to Rich Arrieta. He was the only candidate to submit his statement before the deadline, but due to an oversight, his statement was not included in last week's issue. We are pleased that this omission did not compromise his campaign.

On a similar note, We would also like to extend our apology to all of the reporters, photographers, and everyone who helped us put together last week's edition whom we did not properly credit in the masthead. We really appreciate your help and will do our best to make sure that this will not happen in the future.

This brings us to a point we would like to make: We the editors reserve the right to refuse publica-

tion of any material that cannot be properly credited (except for the letters in Dear Dr. Beav.). This includes all of the authors of the Inside World, letters to the editor, and articles. Special exceptions will be handled on a case-by-case basis.

A reminder to all of our writers: Articles are due by midnight on Tuesday and Inside Worlds by noon on Wednesday. All material may be turned in to our maildrop 25-58 SAC or delivered in person to one of the four editors.

-Eds.

## Yet Another View on Abortion

by Eric Fung

In recent weeks, America has heard alot about birth control; following the grand tour of the Pope, who vehemently denounced its use, the Senate began its confirmation hearings of one anti-birth control nominee, Robert Bork.

On the other hand, students on this campus have heard... propaganda, if you will, exhorting them to use birth control methods. Moreover, in response to the overwhelming hysteria regarding the spread of AIDS, the Surgeon General has come forth to tell us to use a condom.

The use of the condom is a rather practical method; but let us discuss a different one - abortion: the ultimate form of birth control. I say ultimate not necessarily in a positive manner, but more to underscore its significance. After all, it is a method which is corrective as opposed to preventative.

The debate over this issue is rather old, and the primary focus has been over its morality or immorality. Even more fundamentally, the question arises as to when is the unborn entity a truly living thing? If we disregard the question of life, then abortion simply becomes a matter of choice; after all, the mother has the right to decide whether or not she wants to be a mother. Personal freedom must remain the most highly guarded freedom we have.

The anti-abortionists reel in horror - what about morality, they cry. Put simply, morality is all a sense of relativity. That is, each in-

dividual has a personal standard of morality. Whether this morality clashes or coincides with another's (for example, the Church's) is of no relevance. If a person feels that having an abortion is immoral, then undoubtedly she won't have one. It would be farcical, however, for a person who feels that having an abortion is immoral to prevent someone else from having one - it is any of his or her business?

Of course, there must be some standard of morality that everyone must live by; otherwise the world would be in a state of chaos (or at least more so than it already is). Most fundamentally, the right to life is indeed a moral question (but then again, if one examines the vicious deeds of terrorists, the right to kill is claimed to be part of their moral code, and is accepted as opposed to right to life). Let us assume, though, that the right to life is a given morality, and to deny this right is immoral - this is the way most of us think.

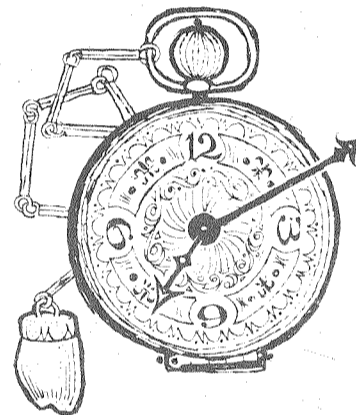
So, the anti-abortionists sigh a breath of relief - this writer then agrees. But not so. We return to the question of when does life begin? When is the fetus an actual living entity?

Abortion is a medical issue too; and so we examine the medical concept of life. In determining death, there is the concept of brain death, in which the brain no longer functions, but such organs as the heart and lungs still do their job with the aid of a heart-lung machine. Often, at this stage, a

doctor will take the patient off the machine; in other words, brain death is death. Of course, some doctors will disagree.

But I believe that if the brain is dead, the person is dead. Thus, the growing entity within the potential mother, if without a functioning brain, can be presumed dead. Non-medically, this makes sense too; how can we describe something which is not even complete, which has no ability to think, to feel, or to act, as being alive? After all, this describes a chair (an unfinished one at that), and could we call a chair alive?

It is not until the third month before the fetus begins to show "signs of life." That is, at this time, it will begin to kick, to take on facial expressions, to suck its thumbs. In other words, its brain has begun giving the future child conscious commands. Life has begun, and we cannot take this life now. For three months, the object was only that - an object, but now it is no longer simply an object, but a human being. Abortion is now immoral.



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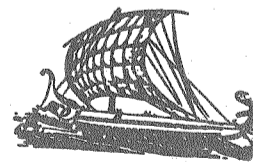
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**LETTERS**

**A Blatant Lack of Responsibility**

To the Editors:

As you may already know, there won't be a TQFR this year. Why? Because our Director of Academic Affairs, Devin Leonard, failed to fulfill his responsibilities. Wouldn't you find out how much work it takes to produce a TQFR before running for this office? Devin didn't bother to find out until two weeks before school started that it takes much of the summer just to compile the data.

His solution to this dilemma was to disclaim responsibility. He tried to blame the former Director, James Shih, for his own ignorance. He also tried to blame the administration for refusing to provide funding at such a late date. (The administration, in fact, did not refuse funding. They merely expressed concern about the quality of the TQFR.) And now he can

blame the ASCIT Board of Directors for deciding not to attempt production this far into first term.

It was Devin's responsibility to find James when he needed information; it was not James' duty to seek out Devin and make sure he stayed on the right track. And no wonder the administration expressed concern when Devin finally showed up. He could not possibly have done a reasonable job in the time remaining. The relationship between the faculty and students over the TQFR has been declining, and Devin's irresponsibility has further jeopardized this tie.

The BOD made a wise decision to cancel the TQFR this year and work on improving it for the future, but that does not absolve Devin from failing to fulfill his obligations.

His list of excuses is long, but that's all they are—excuses. Devin is ultimately accountable for the absence of a TQFR this year. When confronted, he admits to his failure, but simply shrugs it off as inconsequential. In his eyes, there won't be a TQFR this year, and that's about as far as it should go. He hasn't even apologized. This attitude is unacceptable. Voting members of the ASCIT BOD should be reliable and responsible. Devin obviously is neither, and should not remain in office.

The BOD is unwilling to take action because they believe that the TQFR needs a face-lift, and they need someone to do it. We agree that the TQFR needs to be redesigned, but the first step should be to find a responsible person who cares enough to do a good job. If you agree, please sign the recall petition and vote to remove Devin Leonard from office.

Sincerely,  
 Brian Catanzaro  
 John Haba  
 Andrew Huntington  
 Bibi Jentoft-Nilsen  
 David Lipin  
 Wayne Lukens  
 Frank Vasquez  
 Sam Weaver

**Student Investment Fund cont'd**

from page 1

The SIF benefits all of the Caltech community, not just the SIF members. The SIF is a non-profit organization, and therefore must give away 4% of an average of their assets every year. This money, last year totaling approximately \$4000, is distributed to Caltech groups who submit proposals for it.

The Student Investment Fund holds its meetings on Wednesday afternoons at 5:00PM. This week the meeting will be in 101 Kerckhoff, and thereafter they will be in the Millikan boardroom.

A final note of interest is where exactly the SIF's assets are and how they have been affected in the last week. The week before the slide, total assets were \$145,223.77 of which \$83,537.50 were in stocks. After the market collapsed Monday, total assets were off 17.1% to

\$123,981.87, and the stocks had fallen 24.7% to \$62,875. Randy Levinson was optimistic, though. His personal feeling was that it was quite a learning experience, and though he was cautious about predicting the future, he did not feel that this economic crisis would seriously hurt the SIF.

**New Health Center Director cont'd**

from page 1

students to feel comfortable here," emphasizes Dr. Miller. The open houses would also provide an informal atmosphere in which students could voice their feelings about the center's services and provide suggestions for seminar topics. Currently, students can voice their opinions through the center's suggestion box, situated at

the front desk.

Dr. Miller is constantly looking for ways to make the center more accessible to students. One program he is implementing is the hiring of more female staff, which would allow students to choose either a male or female physician. He is also attempting to boost the quality of medical care at the center, primarily by hiring personnel with great experience.

Even with his busy schedule, Dr. Miller still finds time for recreational activities. He enjoys all sports, and plays baseball, football, and basketball. Listening to music and reading books are some of his other interests.

The Young Health Center is at 1239 Arden Road behind the tennis courts, and is open continuously from 8 am Monday to 8 am Saturday. All students enrolled at Caltech are eligible to use the center's services, which include: preventative health information, diagnosis and treatment of illnesses and injuries, lab testing, x-ray referral, immunizations, allergy shots, birth control services, gynecological exams, and selling prescription medications at cost. Dr. Miller encourages students to visit the center if they have any questions.

**The Inside World**

**Blacker:** Semi-memorable week, filled with the kind of things that remind you that you're in college and having the best time of your entire life. Right.

Congratulations to Chris, the new historian, who must try to make sense out of everything that happens this year. And congratulations to Fred, the new food rep, who must try to make sense out of everything he eats this year. Right.

And congratulations to everyone who isn't me or Jared, who must make sense of financing interhouse on \$800 and still find room for a Jello pit.

Who am I kidding? This was a boring week.

**NOTICE TO ANIMAL LOVERS:** Your practice is illegal in the state of California and carries a maximum penalty of 10 years in prison or a \$10,000 fine.

—MOB

**Dabney: Patrick J. Wayne, reporting:**

"The Crash... Well, yes, I'm sure you do have your own theories about it. What?... Oh, well yes. I believe several members of the Board of Directors will have a bit of egg on their faces at the next meeting... Hm? You say what? But why?... I don't think that's possible for several reasons. One, DabniCorp has the best interests of American business at heart and would hardly cause this sort of thing. Two, we wouldn't want an Administration different in philosophy from the current one anyway... Well, that's certainly valid. We are on top right now and it would be in our interests to change the climate to prevent such radical business restructuring. But we feel that it's more important to keep a fighting edge on our people. Keeps them from getting soft... Oh, but the current Administration is hostile to us already. Or didn't you know our major product? In any case, the third reason is overwhelming. We don't need to resort to such crude measures to control the direction of the country. We've already fixed the next election. We're getting our man in there—finally... Explain what? Oh, our stocks. Why? They weren't that unusual... Oh, I suppose going up three points on that particular day was a bit noticeable. Well, even if we didn't plan it, that doesn't mean we didn't know about it in advance anyway... I see. Yes, sir. Good day, Dr. Xi."

*In other news:*

Fred and Ethel were in love. They sat across from one another at the Ath, gazing dreamily into one another's eyes. Now speaking, now silent, expressing their feelings for one another in the timeless fashion, they ate, hardly noticing the food, the sounds of their friends' wedding reception going on around them. It would be their turn next; all their friends knew it, and tonight, they knew it too.

Ethel's eyes gently caressed Fred's face, his hair, his strong muscular shoulders... She let her gaze drift, staring unfocusedly into the night above his head. Then, her eyebrows gradually frowned and her gaze became less dreamy. "Why," she asked, "is that building burning?"

*A hundred twoliter bottles bought by the frosh,*

*A hundred twoliter bottles.*

*Open one up, drink it all down, fill it with LN<sub>2</sub>, explode it, Ninety-nine twoliter bottles to go.*

So it doesn't scan. Sue me. I've done worse. Re: the Fleming Inside World of last week (hey, they mentioned us first):

**MARTY:** Don't mind her, Sandy. Some of us like to show off and use scurvy words.

**RIZZO:** Some of us? Check out Miss Toiletmouth over here.

**MARTY:** Up your, Rizzo.

(*Grease*, act 1, scene 2.) Suddenly, SuperDarb flies in and aborts the current storyline.

Free love. That's more of that sixties hippie shit, isn't it? None of that here. In recognition of the new spirit of the house, the left half will hold a ceremonial bookburning of all gaming materials and stop being annoying, and the right half will never congregate in groups of more than three and stop being annoying.

No, but seriously, there is a point to all this. We do live together, after all. This means clean up the courtyard, not just don't piss in it. Or rather, go ahead and piss, but bring Lysol.

Speaking of which, a certain Bill (the one living in the ash heap, not the one living next to this computer (where I am writing this, right now, even as you read this, don't be fooled)) looks great compared to last year. The only remnants of his former self are a permanently deformed ear and a continuing fascination with sleeping in untidy areas.

"Intriguing, Captain. I seem to have been resurrected with a paler skin, a more obvious inferiority complex, normal ears, and the absence of the necessity of beginning every sentence with 'fascinating'. Hmmh. Intriguing. I wonder if I'll ever write the book 'I am not Data!'? And if not, how will such a book ever exist? Or, if not exist, how is it that I'm able to postulate such a preposterous..." He is cut short by screams of anguish.

"Ohh, I feel a ghreat disturbance in the Force, Jean-Luc."

The Captain's eyes narrowed. "Alec?" he said, looking closely at his advisor for the first time.

"No thank you, sir. I'll take her looking just like that," retorted the sharp-witted, hip Cylon from his comfy chair at the helm.

The first officer bristled. "Watch it, boy. I'm the Kirk-clone here. I get all the girls. Especially Alec—er, I mean the Betazoid."

—Sorry, no pseudonym this time

**Fleming:** This week has been mystery week in Fleming House.

Mystery #1: Where did all those luscious women that were at Friday's party come from? Some of them were even unattached! If this keeps up maybe I'll even get a wench of my very own. I doubt it though. (Especially if I keep calling them wenches, but I'm too old and set in my ways to change.)

continued on page 5

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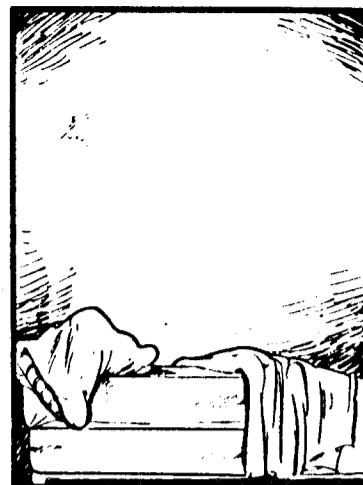
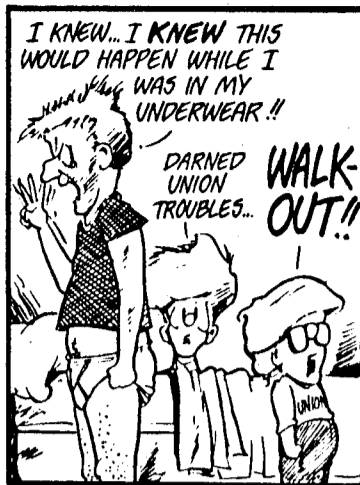
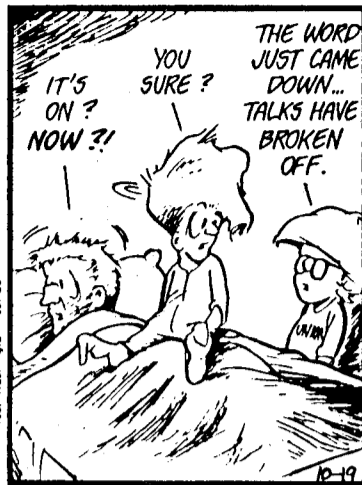
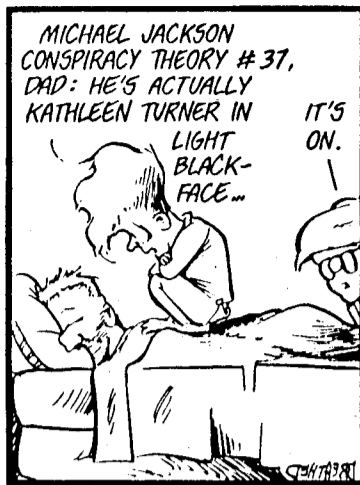
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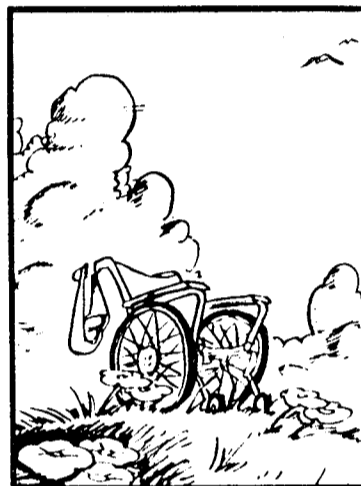
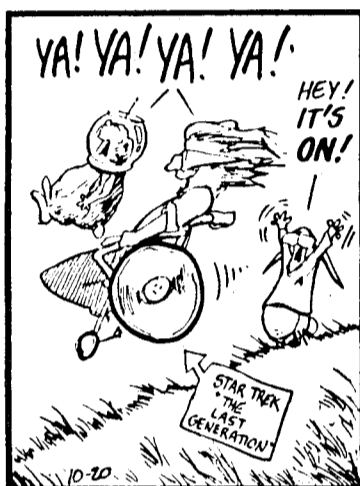
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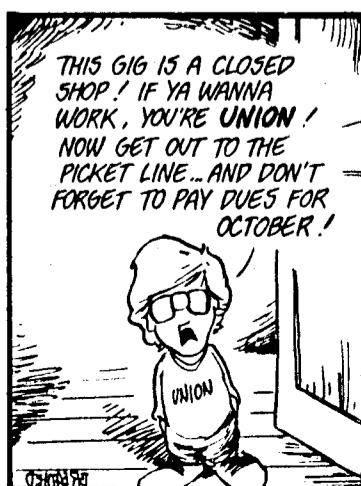
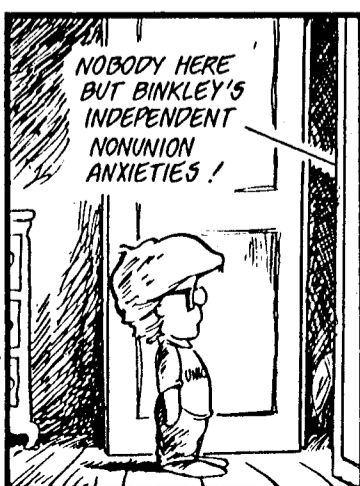
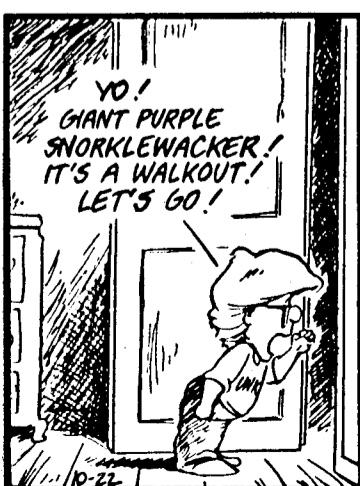
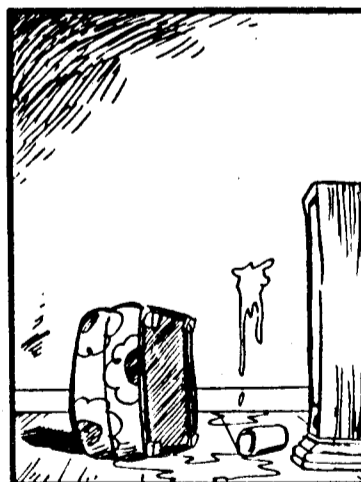
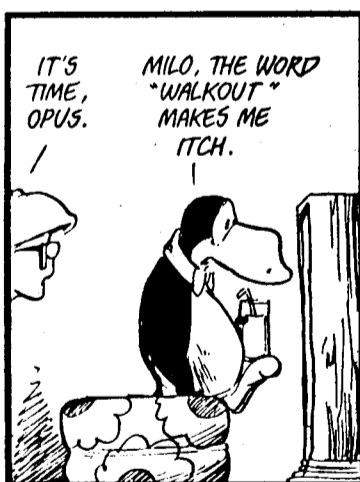
OFFER EXPIRES 11/20/87



# BLOOM COUNTY



## by Berke Breathed



CALTECH public events  
**MAGIC MOMENTS**  
 SHAKESPEARE AND IRISH MUSIC FEATURED THIS WEEKEND

The Berkeley Shakespeare Festival returns to Caltech with their production of "Henry V" Friday, October 23 at 8 p.m. in Beckman Auditorium. This version of Shakespeare's tale of war, politics and love features one of the West Coast's finest Shakespeare ensembles. CIT student rush tickets for \$6.00 and CIT faculty and staff TECHTIX—\$8.75-7.50-6.25—will go on sale Friday, October 23 at noon at the Ticket Office. The Berkeley Shakespeare Festival will also hold a workshop on stage combat on Friday, October 23 in Dabney Lounge beginning at 2 p.m. This activity is open to anyone who would like to participate.

Irish folk music and dance is featured on Saturday, October 24 at 8 p.m. when the Green Fields of America come to Beckman Auditorium. Led by the inimitable Mick Moloney, this group performs traditional Irish-American music that expresses the experience of the Irish in America. CIT student rush tickets for \$6.00 and CIT faculty and staff TECHTIX—\$7.50-6.25-5.00—will go on sale Friday, October 23 at noon at the Ticket Office.

Also beginning this weekend is the T.A.C.I.T. production of "A Life in the Theatre" in Ramo Auditorium. David Mamet's play will be performed Friday and Saturday, October 23 and 24 at 8 p.m.; Sunday, October 25 at 7 p.m.; Friday and Saturday, October 30 and 31 at 8 p.m.; and Sunday, November 1 at 2 p.m. Student tickets are priced at \$4.00; regular tickets are \$6.00.

That dazzling duo of comedy, The Alchemedians, will appear Thursday, November 5 at 8 p.m. in Beckman Auditorium. Bob Berky and Michael Moschen conduct comical experiments staged in a laboratory setting using both raw materials and the audience alike. CIT student tickets are priced at \$8.75-7.50-6.25. CIT faculty and staff tickets are \$15.50-13.00-10.50. CIT student rush tickets for \$6.00 and CIT faculty and staff TECHTIX—same price as regular CIT student tickets—will go on sale Thursday, November 5 at noon at the Ticket Office.

Russian folk music and dance highlight the appearance of Tzigan-ka Saturday, November 7 at 3 p.m. and 8 p.m. in Beckman Auditorium. Russian and Gypsy songs and Cossack dances are accompanied by the balalaika for true Old World entertainment. The 3 p.m. matinee is a special 50-60 minute program designed especially for children and families. Tickets to this performance are priced at \$8.00 for adults and \$5.00 for children. The full-length evening performance is priced at \$8.75-7.50-6.25 for CIT students and \$15.50-13.00-10.50 for CIT faculty and staff. CIT student rush tickets for \$6.00 and CIT faculty and staff TECHTIX—same price as CIT student tickets—go on sale Friday, November 6 at noon at the Ticket Office.

If you like chamber music, don't miss Conrad Josias and Friends on Sunday, November 8 at 3:30 p.m. in Dabney Lounge. Included on the program will be works by Randall Thompson, Gordon Jacob and William Bolcom. Plus, the concert is FREE!

The Caltech Ticket Office is located just north of the Beckman Auditorium parking lot. For information on all Caltech Public Events, call x4652.

## SPORTS

## X-Country Still Fast

by Y. Emi Running

After completing two meets in a row at Caltech's home course, namely the lower Arroyo Park, the fleet-footed Beavers traveled to the Yorba Reservoir for their next meet on October 10. As the team members can vehemently justify, the course at Yorba Linda unraveled before their eyes into a relatively flat ribbon of dirt path. However, the fact that there were minimal hills was balanced by the often rugged terrain.

It may have been the psychological confidence associated with a seemingly flat course or, more likely, the ever-growing strength of the women's team that gave them overall victory! In a skilled display of endurance, the Battling Beaverettes defeated Whittier (24-32) and Redlands by forfeit. Surprisingly, this was the girls' first win in five years not by forfeit. The last time the Caltech women's team won a meet was in 1982, also against Whittier.

The beauty of the meet occurred shortly after the women were halfway through the race. After one and a half miles, the score was 27-28, with Whittier in the lead. Thanks to the efforts of the Caltech women though, that score was soon turned around to our advantage. Bibi Jentoft-Nilsen once again headed the Caltech pack to the finish line, placing fourth overall. Compared to her time at the previous meet of 23:49, Bibi's time of 22:51 improved by fifty-eight seconds! Following close behind Bibi in less than one minute was Liz Warner at 23:31, a whopping one minute and six seconds faster than the 24:37 she clocked at the last meet.

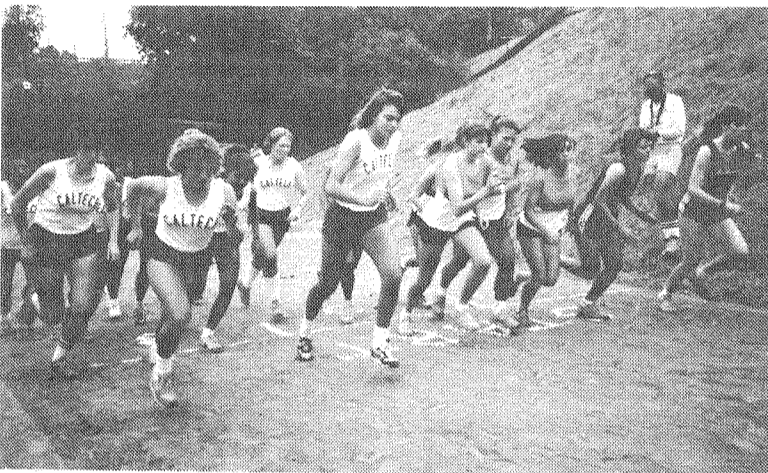
Both Betina Pavri and Susan Schima did their part to destroy Whittier's lead by finally passing the opponents that had been in their sights throughout the whole race. Coming in third for Caltech, Susan Schima, at 24:27, improved her time from last week by 1:43. Beti-

na Pavri was soon to follow with 24:44, a blazing 2:34 better than her performance at the previous meet.

Improved times seemed to be the trend as Carmen Shepard, at 25:23, ran one minute and thirty seconds faster, while Ami Choksi hot-tailed it over the finish line at 26:34, one minute and forty-four seconds quicker than before.

Claiming a win over Whittier at an astounding 20-42, the Caltech

men's team lost a very close race to Redlands (27-30). For the guys, it was a challenging battle all the way to the finish.



The Bouncing Beaverettes start with a lead in their first winning meet since 1982.

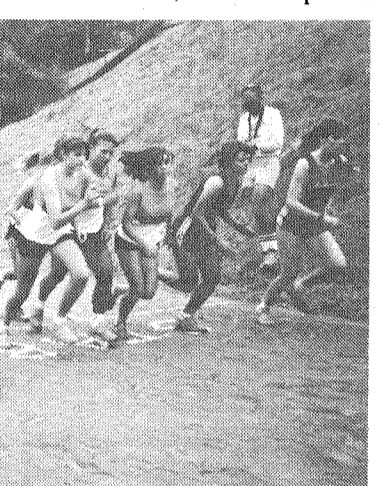
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ond for Caltech was Wayne Lukens, who completed the five-mile course in 30:18. Pretty good for a first race, huh? With the speed of lightning eleven seconds behind Wayne, the Greek god Alex Athanasopoulos must have had some divine intervention, causing him to run a time of 30:29, an entire 2:55 over last week's time!

The men were sizzling down the trail, because in a mere ten seconds after Alex, Chris Campo met



the finish with his best time ever of 30:13. Mark Lyttle was right on his tail, cranking out 31:13, a booming 3:13 faster than his time at the previous week's meet. As a result of these fine performances, the Caltech men's team took places five through nine in the entire meet!

A whole slew of personal bests swept over the team like it was contagious. Paul Socolow, sixth for Caltech, ran an amazing time of 31:27, while Ray Hu impressed everybody with his time of 32:27. The entire men's team is to be congratulated for a magnificent effort with the results to show for it.

But guys, let's face it. You're going to have to do better! Since we lost to Redlands by a mere three

To understand much of what we're doing with respect to cancer research, you'd need a graduate degree in microbiology or biochemistry.

But to understand how well our educational programs and service resources help both patients and their families, simply talk to one out of every 100 Americans who are part of our volunteer program. Or talk to one of the 3 million who've survived cancer.

The battle isn't over but we are winning.

Please support the American Cancer Society.



This space contributed as a public service

## More Inside World

from page 3

Mystery #2: Who will win this weekend's JD treasure hunt? Yes, that's right folks, it's *this* weekend. Personally, I really don't care who wins. In fact, as long as BD doesn't get any JD, everything will be OK.

Mystery #3: Just what is Linda's real haircolor? Will the dye wash out? How long will I live after Linda reads this?

Mystery #4: Does the Health Center stock ribbed condoms (with the 100,000 tiny pleasure studs)? How many prophylactics do Caltech students use each week? Do they deliver?

Mystery #5: Why are all the Sophomores in my alley gun freaks?

Mystery #6: And just who is Batman? For that matter, what does Bruce Miller look like?

Mystery #7: Is Burleigh's shadow real, or does he paint those whiskers on?

Mystery #8: How many frosh does it take to wash Pete Ying? So far its more than six. Or maybe frosh are just lame.

For all of you in Thermo, here's Era's law: Energy is invariant under penile transformation.

Coming soon to an interhouse near you: *Hell Clowns of the Damned* (a Love Story). Drunken play rehearsals of doom start soon.

—NeanderFlem

Lloyd: All right! We're not going to take it anymore! We're not writing one more column until the following demands are met:

- 1) The Tech Editors evolve the good sense (*dream on, buddy boys* —Eds.) to print Bloom County in the way God intended it: In order, and left to right.
- 2) Spuds MacKenzie is put to sleep.
- 3) The crime of Apartheid is brought to a halt in South Africa.
- 4) The Ricketts Inside World stops nauseating us with details of Lisa Lepome's sex life.
- 5) Keith Owens and John Wiltse are granted their rightful posts as Senior Class officers.
- 6) The Reagan administration stops its senseless attacks on the environment.
- 7) The theme of "Potatoes" is rejected as the 1987 Lloyd Interhouse theme.
- 8) The annoying little kid in the new Star Trek series dies a horrible death.
- 9) No more of those grotesque chocolate-covered falafel-balls for desert.
- 10) The mythical Lloyd satellite dish is installed before it becomes obsolete.

So until these terms are met, Chris Nolle and Rob Jarecki will be filling in for us. Bye, Y'all!!

—Skeeter & Jethro

Page: Sports Dept.-

Dwight's deft manipulation of that big stick helps the other godlike athletes of Page along to our second victory against ... where were those guys from? See you on the soccer field, Pete. Sorry to ruin your year so early. Lloyd wins Disco challenge. Larry wanted more white people playing tennis ("They don't have that killer instinct.")

What would happen if you greased a frosh and nobody came? Try again this weekend.

Drugs, Sex & Rock 'n' Roll Dept.-

Doug decides his long distance service sucks (or maybe not enough), transfers to another company. Nancy gets cut off rather unexpectedly. LBM party a lot of laughs, would have been great party except for all those Teachers who showed up. Fleming water polo stud makes offer to Page football stud. Dwight says he'd rather do it himself. Getcher U-2 tickets here. Keep those Flem back from the stage.

In Search Of Unexplained Phenomena Dept.-

Unidentified Froshlike Objects rumored to have deposited oddly shaped space debris in Lloyd courtyard. Twice. (Must be one of those "energy concentration" places they talked about when the harmonics were converging.) Wear your hard hats, folks.

God of Hellfire appears, annoys frosh, disappears.

Weenies spontaneously roasted in Page courtyard. Details after eleven.

Want Ads Dept.-

FOOD SERVERS NEEDED. No experience, talent or otherwise exceptional abilities required. Sophomores need not apply.

Visions of the Future Dept.-

Dwight will be pounding nails (or doing some equivalent activity) at eight o'clock on the 14th of November. Lots of singles will open up next term. Food riots in Page dining hall. Wilber learns to dress himself (waaay in the future).

Funny Name Dept.-

—Mr. Laughs

Ricketts: First off, I would like to thank all of my friends for making my 21st birthday one of the most special days of my life. Thanks, Cookie.

We would like to welcome Lisa F. into Ricketts Hovse. She is a woman who knows what to wear to a showering. Mark, her significant other, is taking lessons from her and has even gone so far as to wear her bathing suit at frosh wash. He's learning, but he didn't quite make the same impact as she would.

In this issue of The Tech we introduce a new feature to the Ricketts Hovse Inside World. This is your life: Tylis Y. Chang, what's the Y stand for anyway? Oh well, you probably can't pronounce it anyway.

Tylis was born a small, ugly child, as most of us were. He was raised in Gibsonia, a small suburb outside of Pittsburgh. This, of course, irreparably scarred him in ways that are only now becoming evident. He attended the infamous Shady Side Academy for his secondary education and learned some skills that he would use throughout his life. From there he came to Tech (wise decisions are not his forte). In the past three years Tylis has truly made his mark on Ricketts Hovse and on Tech in general. Few people can hear his name without violent allergic reactions.

This year, Tylis found the true path to romantic success: Tech editorship. Running on a ticket of four ornamentals, he obtained the position which he so desired. Now he could make his move. How many other people have ever used the line, "Hey baby, want to learn how to use the typesetting machine?" Tylis spent two hours teaching a very entertaining woman how to use this machine. It might have taken even longer if it had actually been working. For his second move, he again used the Tech and convinced her that two people have to review all plays. If this goes well, who knows how long they will spend with the typesetter next week?

The first screwdriver orgy took place last week in Snatch. Although sparsely attended, there were a few highlights. Jumpin' Joe Dadek showed what he was made of, inside and out. His room still bears the olfactory remnants. John Raguin, although he didn't attend, has lasting memories of the party. All Snatch frosh had to sleep on the wet spot Saturday night.

The frosh rang the brakedrum Monday night, but were not able to keep it up long enough (not surprising for frosh) to avoid a pile. The pile was postponed until Tuesday for the sole reason that it could then not be included in the Inside World.

Other Naughty Bits: Jim Jaquez and Kim Flowers decided that they needed a night away from Tech during the weekend, so they borrowed a car and drove into LA. They found that \$20 does not go a long way and so had to settle for one hand between them. Nicole, unable to do her physics, found that Legos are more her speed. She'll be transferring to PCC shortly. Sam, tired

continued on page 6

## Tech Meeting In Baxter Hall Today

The staff of the *California Tech* will meet this afternoon in Room 127 of Baxter Lecture hall at 12:15PM. All undergraduates who are interested in writing, news photography, or even editing are invited to attend.

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## More Inside World

from page 5

of being called a beast by Gaby, decided to surprise her by putting a goat in their bed. Gaby was surprised but also told Sam that the goat can't leave until Sam grows horns just like it. Laura understands how Gaby feels since she used to have a goat of her own. Goats have two horns, maybe they can share.

—The Lil' Cook-Man and the Great Neck Strangler

**Ruddock:** Hello, we are the Senior Class Secretary/Treasurer and the Senior Class Presidential Wanna Be. Top 10 things that happened this week:

- 10) Ruddock beats Ricketts in softball.
- 9) Bill Cross becomes a 1.5 fixture (argh!).
- 8) Caltech soccer ties Oxy.
- 7) Caltech Volleyball stomps Whittier for the 2nd time.
- 6) Stock market crashes.
- 5) Stock market regains 40% of loss.
- 4) Ruddock House gets new curtains.
- 3) Vax's cast comes off.
- 2) U.S. bombs Iranian Oil Platform.
- 1) Lloyd announces Potato Interhouse.

Well, what's happening around the old homestead? Ultimate on Sunday was a big success, so be there again next Sunday at 1:00 pm. The party at Lloyd was fun. No bad people came except for the Page DJ's.

90% of Ruddock assets were lost in the crash. Now we are as poor as Black-er. To raise money, an important Rudd soon will be sold as a sex slave (for Bibi), as well as other willing volunteers to provide various other (or the same) services. Featured on the list (besides W \_ \_ \_ \_ e L \_ \_ \_ \_ s, the sex slave) will be Jamal, a man so desirable, his testicles (though atrophied from misuse) are worth their weight in gold (about \$1.99). Also included is Joe, available at the bargain basement price of free to any Oriental woman (and worth every bit of that too). Due to our incredible lack of cash, we are now having a big social membership drive. If you have a pulse, you can be a Rudd too. Those of you who are tired of being Potato Heads or members of the Blundering Herd (who incidentally lost the softball game to the Sp \_ \_ \_ \_ Su \_ \_ \_ \_ g Spuds on Wednesday), or if you are tired of being inferior to Pete YING, then come on down and eat dinner with us. Basically, nothing much happened in the house this week, and the delay of the GAAC rules is not helping at all. Joseph M. Fierro.

Rumor of the week: Eddie spent the weekend spelunking. (We hope he wore a hard hat to protect his head, and a gas mask to avoid suffocation.)

Betsy Quote of the Week: "Strike Three!"

—Bets the Frosh

## Ask the Doctor Beaver

Dear Dr. Beaver:

Since moving to Pasadena, I have had off and on symptoms of what I think is a cold. I wake up in the morning with a sore throat, runny nose, sneezing, and itchy eyes. My symptoms seem to get better after I take a shower and have something to drink, but my symptoms return again around dinner time. I don't really feel sick, just uncomfortable. Is this a cold or what?

—Stuffy

Dear Stuff:

Your symptoms may seem like a cold but it sounds like your problem may be an allergy. Morning and evening sore throats are common symptoms of an allergy and are caused by post-nasal drip and swollen lymph tissue in the back of the throat (red bumps). The clinical term for this is allergic rhinitis - runny nose. It is estimated that over 85% of the people that live in southern California have some type of allergy problem. The most common cause of this problem is airborne pollen and dust, but other environmental factors such as smog or Santa Ana winds can also contribute to its etiology. The most common treatment is a combination of decongestants and antihistamines - there are many available over-the-counter preparations. Also keeping windows closed at night and increasing your fluid intake (but not liquor) is helpful. For more information and treatment, contact the Health Center.

Dear Dr. Beaver:

I have had an ongoing problem with vaginal yeast infections for the past several months. I have seen my private gynecologist and he prescribes medication that works for awhile, but then the itching and burning returns in a very short time. I'm a very clean person and I'm not that sexually active (at least not as active as I'd like to be). What can I do?

—Uncomfortable Undergrad

Dear UU:

We can't help you increase your activity, but we have some suggestions for your other problem. There have been people with recur-



rent yeast infections (*candidiasis*) but the symptoms that you describe raise suspicion for venereal warts (*condyloma acuminatum*). *Condyloma Acuminatum*, the number one sexually transmitted disease in the country right now, is caused by a form of Human papilloma virus. It is a relatively easy problem to treat, if caught early. In the late

# ENTERTAINMENT

## Haba at the Movies: A Critical Evaluation of The Princess Bride

by John Haba

Last weekend, a couple of friends and I were paging through the *L.A. Times* Calendar section looking for a good movie to see. Frankly, we couldn't find any. Since one pass through the paper wasn't enough, we looked again, trying to determine the least of the evils.

The movie that caught our eye was *The Princess Bride*, which had an enormous two page ad full of favorable reviews. We figured a movie with this many favorable reviews couldn't be all bad, so we decided to give it a try despite the warning signs. The warning signs in my mind were obvious: Billy Crystal has a brief role in the film; and Norman Lear and Rob Reiner are the executive producer and director, respectively.

Billy Crystal, the creator of one dimensional catch phrase comedy (remember "Mahvelous"?) and the perpetuator of the crotchety old Jewish guy impersonation, is one of America's unfunniest [sic] comedians. The Lear-Reiner combination had visions of 70's TV sitcoms

dancing in my head. Despite these misgivings, I tried to go into the movie with an open mind.

Much to my surprise, I found that *The Princess Bride* was not a bad movie (Luckily for me, Reiner, Lear and Crystal's influences are barely felt at all). It is basically a fairy tale, told in a satirical manner, yet aimed at audiences of all ages.

The humor is somewhat sophisticated, and by no means uproarious at any point in the film. Yet the level of humor does remain fairly constant throughout the movie, leaving no "dead spots" where the audience's attention could get lost.

The secondary characters are all portrayed wonderfully. Andre the Giant (one of my World Wrestling Federation favorites) is perfectly cast as the gentle giant with a heart of gold. Chris Sarandon, who plays the evil King, manages to flesh out his character well enough, despite the dimly flat dialogue written for him. Wallace Shawn is very funny as a balding con man, and manages to garner many of the film's laughs despite his relatively short on-screen appearance.

Peter Falk, most famous for his role as Inspector Columbo, does a great job as the story's narrator. Just seeing him again makes you reminisce about the great Columbo episodes of the past. And by far the best character in the movie is the noble Spanish swordsman played by Mandy Patinkin. His revenge sub-plot is the most humorous and most interesting facet of *The Princess Bride*.

My praise of the characters is somewhat of a set-up for my main disappointment with *The Princess Bride*. The hero and heroine of this movie, played by Cary Elwes and Robin Wright (your guess is as good as mine as to which was which), were very uninspiring. The hero's only good point was that he was slightly witty, with heavy emphasis on the slightly. The fact that

he was competent enough to make the movie keep going without lagging too much is to his credit.

Elwes, however, had an incredible lack of screen presence for a supposedly dashing young hero, and I personally didn't care about his character at all. The heroine was incredibly wimpy, and was completely blah. Robin Wright showed no emotion whatsoever throughout the film and this really destroyed the film in my eyes.

The central theme of the fairy tale is related to the "true love" that existed between the two main characters; a love that only "two in a million" can find. The screen chemistry between the male and female leads was so uninspiring; "true boredom" was the only image that sprang to my mind.

In all, I decided to review *The Princess Bride* because it is one of those "word of mouth" movies which will hang around the theaters along time because of good reviews; thus tempting many to give it a try. As far as I can tell, if you are a member of the Medieval Renaissance Society or enjoy a quiet and sophisticated type of humor, this movie is a must-see. Otherwise, it is not a bad movie, but it is not really a very good one either. You can take it or leave it.

What can you expect from this review column in the future? Well, better reviews for one thing. And hopefully, better movies to watch also. As a movie-goer, I'm most looking forward to the new Schwarzenegger flick *Running Man* coming out soon. I'm also looking forward to the crop of action/horror epics coming out this weekend and next.

My favorite thing to do as a reviewer, though, is to rip on stupid artsy films that get great reviews by a lot of critics. Next week, I'll be reviewing two or three Halloween horror movies and an artsy film or two, if I can stomach them.

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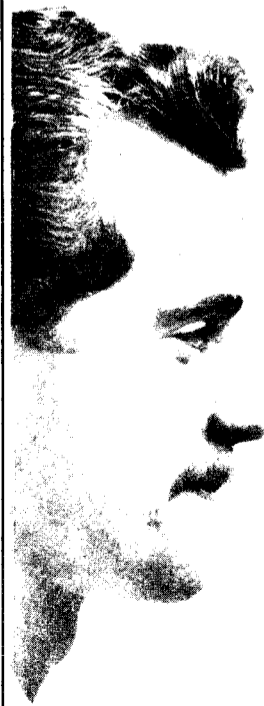
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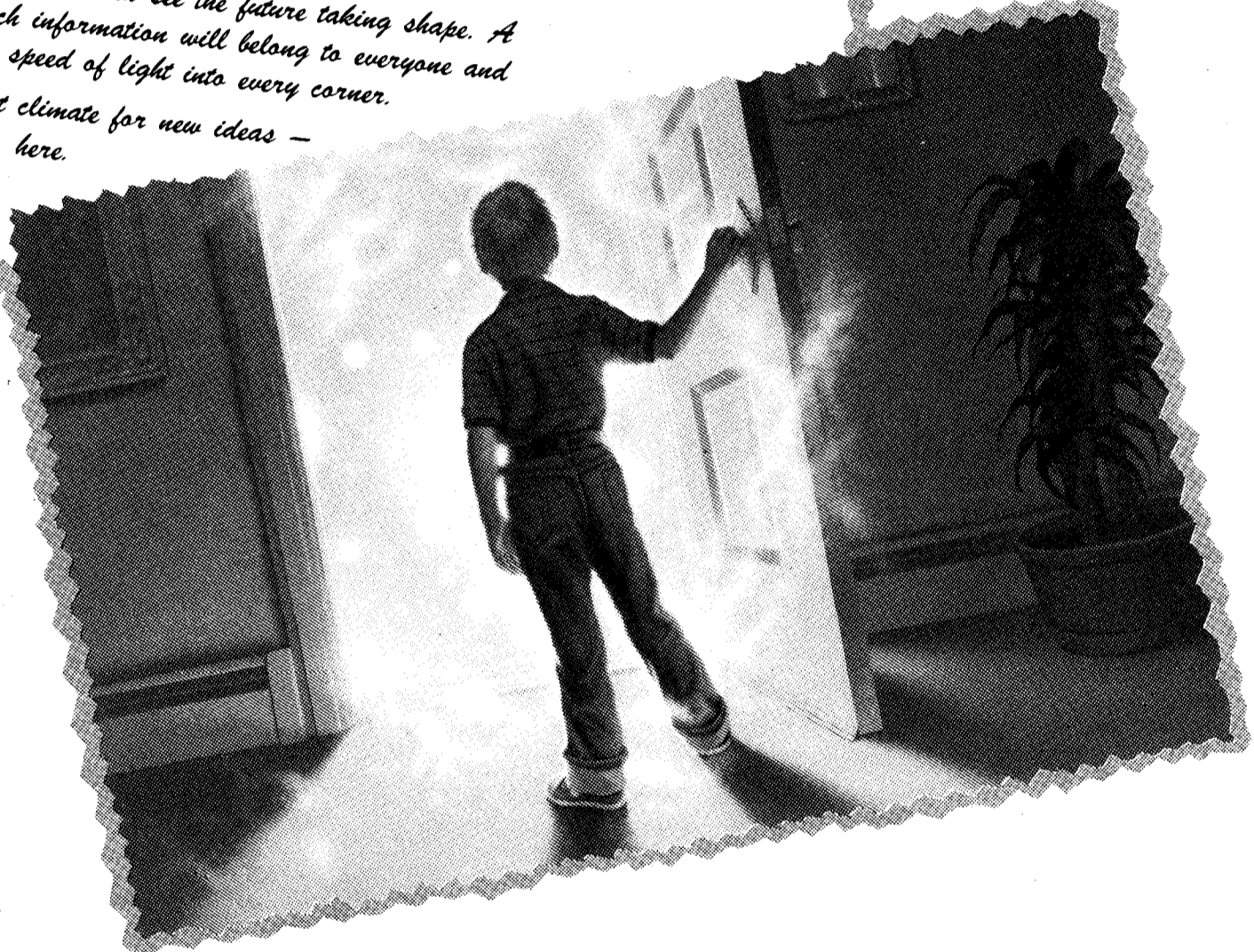
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BRAND	MODEL	DESCRIPTION	REG. PRICE	NOW!	BRAND	MODEL	DESCRIPTION	REG. PRICE	NOW!
GNP	MODEL 61	SPEAKERS 6" 2 WY	\$249		DENON	DRA-35V	RECEIVER 35w/ch	\$320	
LUXMAN	R-5030	RECEIVER 30w/ch	\$300		GNP	MODEL 10	SPEAKERS 6.5" 2 WA	\$350	
MITSUBISHI	DP-109	CD PLAYER	\$230		DENON	DP-23F	TURNTABLE D.DRIVE	\$260	
WIRE	XP-500	MONSTER CABLE	\$10		GRADO	XF3E+	ELIPTICAL CARTRIDG	\$66	
			=====		WIRE	XP-500	MONSTER CABLE	\$10	
			\$789	\$499				=====	
								\$1,006	\$751
SYSTEM #3 "JUNIOR"					SYSTEM #4 "SENIOR"				
BRAND	MODEL	DESCRIPTION	REG. PRICE	NOW!	BRAND	MODEL	DESCRIPTION	REG. PRICE	NOW!
NAKAMICHI	SR-2A	RECEIVER	\$449		PROTON AUDIO	D 540	INTEGRATED AMPLIFI	\$299	
GNP	MODEL 20	SPEAKER 3 WAY	\$599		PROTON AUDIO	440	SCHOTZ TUNER	\$249	
DENON	DP-35F	TURNTABLE D.DRIVE	\$325		GNP	SYSTEM 110	SATTEL/WOOF SYSTEM	\$750	
GRADO	XF3E+	ELIPTICAL CARTRIDG	\$66		PROTON AUDIO	830R	CD PLAYER	\$299	
			=====					=====	
			\$1,439	\$988				\$1,597	\$1,159
SYSTEM #5 "GRAD"					SYSTEM #6 "PROF"				
BRAND	MODEL	DESCRIPTION	REG. PRICE	NOW!	BRAND	MODEL	DESCRIPTION	REG. PRICE	NOW!
LUXMAN	LV-105u	HYBRID INTG'D AMP	\$900		AUDIBLE ILLUSION	MODULUS 2B	TUBE PREAMPLIFIER	\$775	
GNP	SYSTEM 220	SPEAKER SYSTEM	\$1,149		B & K	ST-202	150w PWR AMPLIFIER	\$595	
GRACE	F9E SUPER	PHONO CARTRIDGE	\$325		GNP	SYSTEM 220	SPEAKER SYSTYEM	\$1,149	
SYSTEMDEK	11X W/ ARM	BELT DRIVE	\$459		GRACE	F9E RUBY	PHONO CARTRIDGE	\$495	
			=====		SYSTEMDEK	IV-E W/ ARM	SUSPNS'N TURNTABLE	\$850	
			\$2,833	\$1,987				=====	
								\$3,864	\$2,844
SYSTEM #7 "PROF W/TENURE"					OTHER SPECIALS				
BRAND	MODEL	DESCRIPTION	REG. PRICE	NOW!	BRAND	MODEL	DESCRIPTION	REG. PRICE	NOW!
AUDIO RESEARCH	SP-11	TUBE HYBRID PREAMP	\$4,900		LUXMAN	R-405	AUDIO RECEIVER	\$500	\$244.50
AUDIO RESEARCH	M-300 (x4)	300w MOMO AMP	\$4,900	ea	MITSUBISHI	DP-209R	CD PLAYER W/ REMOTE	\$320	\$239.97
GNP VALKYRIE	SERIES II	SPEAKER SYSTYEM	\$1,895		NAKAMICHI	BX-125	CASSSETTE DOLBY B/C	\$480	\$348.97
ORACLE	DELPHI III	TURNTABLE (GOLD)	\$2,995		NAKAMICHI	BX-300	CASSETTE DECK 3 HEAD	\$750	\$599.97
SME	V	TONEARM	\$2,010		NAKAMICHI	OMS-5 II	CD PLAYER (DEMO)	\$1495	\$899.97
KISEKI	PURPLE HEART	SAPPHIRE CARTRIDGE	\$1,740		KYOCERA	DA-910	CD PLAYER (USED)	\$1600	\$699.00
CAL AUDIO LABS	ARIA	CD PLAYER	\$1,495		PS AUDIO	IVH	PREAMPLIFIER (USED)	\$725	\$499.00
MAGNUM DYNALAB	FT-101/209	ANALOG TUNER W/SLEUTH	\$858		NAD	1020	PREAMPLIFIER (USED)	\$198	\$69.00
ATHENA	ELECTRONIC	X-OVER	\$1,800		ACOUSTAT	TNT-200	POWER AMP 200w/ch	\$1299	\$699.00
ATHENA	MC-1	CARTRIDGE POLYPHASOR	\$500		PERREAUX	SM-3	PREAMPLIFIER (DEMO)	\$1800	\$1199.00
ATHENA	ML-1 (x8)	LINE POLYPHASORS	\$500	ea	PERREAUX	SA-3	PREAMPLIFIER (DEMO)	\$1200	\$849.00
ATHENA	MS-1 (x4)	SPEAKER POLYPHASORS	\$520	ea	PERREAUX	PMF-3150	AMP (DEMO) 325 w/ch	\$2400	\$1437.88
ENTEC	SW	SUBWOOFER	\$2,600						
MIT SHOTGUN	330 SG	1m INTERCONNECTS (x18)	\$490	ea			ALL GRADO PHONO CARTRIDGES		25% OFF!
MIT SHOTGUN	750 SG	8' SPEAKER CABLE (2pr)	\$890	ea			ALL ACCESSORIES		20% OFF!
NAKAMICHI	DRAGON	AUTO/REVERSE CASSETTE	\$1995						

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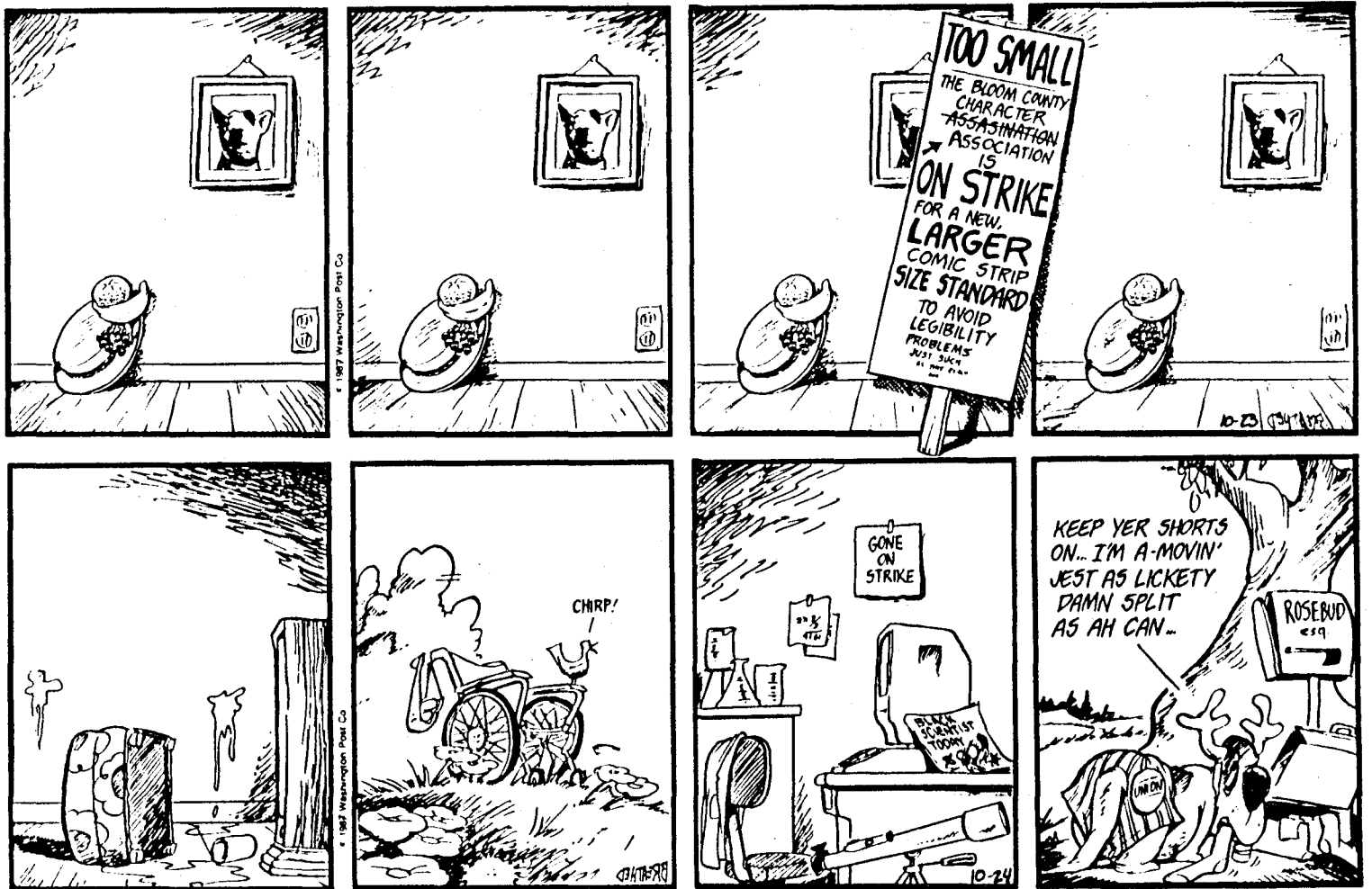
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More  
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COUNTY

from page 4



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In Briefs

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discount, plus Microsoft® Windows 1.04, Write, Paint, Cardfile, IBM DOS 3.3 and a mouse.

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For more information on the Model 25 Collegiate, visit the IBM Education Product Coordinator on campus. You'll quickly learn how to get the most out of the IBM® Personal System/2. **IBM**

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Leroy Hood, Chairman of the Division of Biology, recently won the Albert Lasker Basic Medical Research Award. He shared the award with researchers at MIT and Harvard. Hood received the prize for his "imaginative studies of the somatic recombination of genes of the immune system, which makes possible an infinite diversity of antibodies." The prize ranks just below the Nobel Prize in prestige.

In a recent poll of 764 college presidents, Caltech was ranked as the 18th best university in America. Stanford, Harvard, and Yale finished first, second, and third respectively. *U.S. News and World Report* conducted the survey.

Frederick J. Converse, who taught applied mechanics at Caltech from 1921 until 1962 died Oct. 9. He was a leader in soil mechanics and foundations, and worked on such problems as the BART tunnel beneath the San Francisco Bay, the Saturn Missile Test Stand for NASA, and the California Aqueduct. He was 95.

Mr. and Mrs. Oschin recently donated \$1 million to the Astronomy Department. Accordingly, the 48-inch Schmidt Telescope at Palomar Observatory will be renamed the Oschin Telescope. The gift will fund projects using both the Oschin Telescope and the Hale telescope. The long term project involves the photographing of the entire northern sky. Report comes from *Caltech Engineering and Science*.



SPORTS

X-Country

from page 5

points each time we met with them, we've got some catching up to do. It works out that for the repentant men's team, redemption time is October 24 at Redlands. Let's beat 'em this time!

October 17 marked the day of the Whittier Invitational 5K run. Not located at the same place as last week's meet, this course proved to be a bit more hilly and challenging. The difference between this meet and most meets was that both the men and the women ran five kilometers, which is approximately three miles.

Despite the difficulty of the trail, the men's team beat Whittier (60-103) and Chapman (60-135). However, they lost against Master's College at 30 and CSSB at 42. Although the women's team was defeated by CSSB (34-98), Master's (41-98), and Chapman at 51, they beat Pepperdine and Whittier by forfeit.

Blazing across the finish line first for Caltech was John Gehring, who placed fourth overall. With a time of 16:56, John trailed the first place runner from Master's by a mere nineteen seconds! Again, Wayne Lukens finished second for Caltech with a time of 18:12. Ripping through the course twelve seconds later was Scott Kister, placing fifteenth overall. Coming in next was Joe Shiang, neck and neck with a CSSB runner, until Joe stepped on the gas and beat him by a second!

To say that John Haba, fifth for Caltech, put on an excellent display of running expertise would be an understatement. John whipped across the finish line at an amazing 18:50. Mark Lyttle and Paul Socolow tore up the course with

their incredible times of 19:05 and 19:21, respectively.

Heading the Beaverettes at 23:08 was who else but Bibi Jentoft-Nilsen! She finished eighteenth overall. Liz Warner was not too far behind, coming in second for Caltech at 23:45.

In an astonishing recovery from injuries acquired before the cross-country season began, Margi Pollack pushed her way up to third for the team at 24:56. The good part is that Margi will only improve as she heals. So, we will be looking forward to the potential talents of this promising athlete.

Clocking 25:23, Susan Schima crossed the finish line fourth for Caltech. She was followed closely by Christina Garden, who was also running her first meet after a long absence due to injury. With the fantastic time of 25:54, Christina seems to be well on the road to recovery. Twenty seconds after Christina and tearing up the course was Betina Pavri, sixth for Caltech.

As they stand to date, the men's and women's teams are both 8-7. With a little strategy and a lot of muscle, the Beavers can balloon their wins even higher!

Polo Treads On (and On)

by Skip Schotte

The past week has seen the loss of some golden opportunities by the Battlin' Beaver Polo Team. In a six team tournament over the weekend, the team went 2-3 for a third place finish and subsequently was manhandled by the obviously superior Pomona team on Wednesday.

The first game of the tournament occurred early Saturday morning, and some of the team must have been asleep during the game. Playing against first-year team San Bernadino Valley College, the Beavers lost a close but poorly played game. In a problem faced all year long, the team was not able to overcome a fourth quarter deficit, and lost its nth close game in a row.

The next game was against Tech's favorite polo opponent, Chapman College. This team is the favorite opponent for a reason, as

the Beavers went out and destroyed Chapman 12-7. The game was not even this close as Tech had a 9-1 lead when almost anyone that could swim started to enter the game to get experience.

Saturday evening, after a three hour break which included SURF talks by at least 2 members of the team, Caltech battled the Hawaiian horde from Chaminade. All through the game the score was close, thus engendering great support from the fans of both schools. It was, however, a loss as the final score was Chaminade 17, Caltech 16. This was probably one of the most heartbreaking losses of the year, as Chaminade beat every other opponent by large margins to win the tournament.

Sunday morning Caltech battled the other perennial doormat of the conference, Redlands. Led by the goalkeeping of the only Mystic Studies major on a water polo

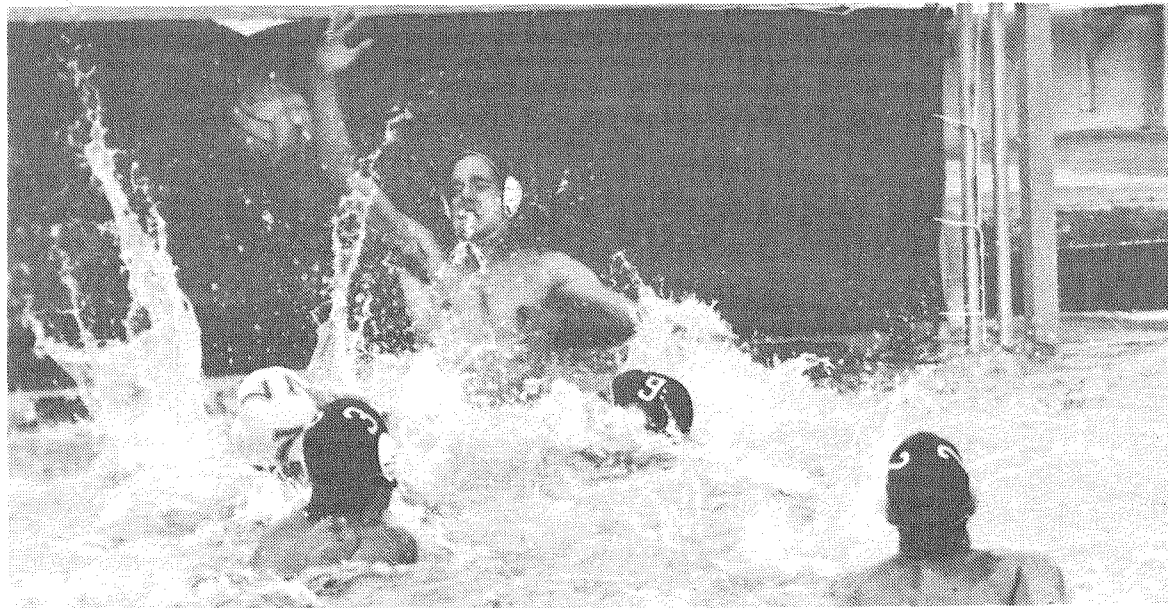
team, the Redlands team defeated the Beavers 9-7. This game was another morning game where the Caltech players could not hit the broad side of a barn, or in this case, the oft wide open goal. The team battles Redlands twice more before the season ends, to hopefully avenge this loss.

In the third place game, Caltech finally won a close game, 10-9 in sudden death overtime. The victory was achieved with a shot by Mark Holdsworth, ten seconds into overtime. To get to overtime however, the Beavers defense had to disappear with 1:00 to go and a two goal lead. By squandering the lead, the Tech team gave the fans and especially Coach Dodd all the excitement and grey hair they will ever need.

Wednesday afternoon was the Caltech version of Wall Street's Black Monday. In a game against Pomona-Pitzer marked by the absence of an offense and defense, Caltech managed to lose a 22-7 decision. This was actually an improvement after a 16-3 halftime score.

The last week has seen the return of the old style Eric Christensen, who has reemerged as a force in the goal. This will be especially helpful as Caltech prepares to battle conference opponents Claremont and Whittier this week.

Special thanks go to the most faithful of the polo fans: Junko Munakata who traveled to northern California with the team last week and even brought her sister along to cheer on the team. Also included are Linda Schleuter and Jeanne Noda who regularly make an appearance at the Caltech home games. Please come out and join these regulars to cheer on the hard-working polo team.



It's Another Goal in Wednesday's game against Pomona-Pitzer.

photo by Michael Keating



And They're Off... and they still have five miles to go.

WEEKLY SPORTS CALENDAR

Day	Date	Time	Sport	Opponent	Location
Sat.	10-24	9:30 am	Cross Country	Claremont & La Verne	Redlands
Sat.	10-24	10:00 am	Soccer	La Verne	La Verne
Sat.	10-24	10:00 am	Water Polo	Claremont-Mudd	Caltech
Sat.	10-24	12 noon	Soccer (JV)	La Verne	La Verne
Sat.	10-24	2:00 pm	Women's Volleyball	Christ College	Christ College
Mon.	10-26	2:00 pm	Football	La Verne JV	Caltech
Mon.	10-26	2:30 pm	Soccer	Macalester College	Caltech
Wed.	10-28	2:30 pm	Soccer	Redlands	Redlands
Wed.	10-28	4:00 pm	Water Polo	Whittier	Caltech
Thu.	10-29	7:30 pm	Women's Volleyball	Occidental JV	Occidental
Fri.	10-30	5:00 am	Wrestling	Pima, Arizona J.C.	Cypress College
Sat.	10-31	9:30 pm	Cross Country	SCIAC Championship	La Mirada
Sat.	10-31	10:00 am	Fencing	CSULB, SDSU, UCSB	U.C. Santa Barbara
Sat.	10-31	10:00 am	Soccer	Claremont-Mudd	Caltech
Sat.	10-31	10:00 am	Water Polo	Redlands	Redlands
Sat.	10-31	10:00 am	Wrestling	Cypress C.C. Tournament	Cypress C.C.
Sat.	10-31	3:00 pm	Water Polo	Cal State San Bernardino	Cal State San Berdo
Sat.	10-31	12 noon	Soccer (JV)	Claremont-Mudd	Caltech
Sat.	10-31	2:30 pm	Football	University of Baja California	Baja California
Sat.	10-31	2:00 pm	Women's Volleyball	Redlands	Caltech

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  - Signal processing
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## WHAT GOES ON

from page 12

**Work Study & On-Campus Jobs**

Students who are on College Work Study and those who are looking for work on campus are invited to visit us at the Career Development Center at 8 Parsons-Gates. There are lots of new listings every day. If you would like to do private tutoring, you can also sign up at the Center.

**Materialists Take Note**

The Society for the Advancement of Material and Process Engineering (SAMPE) is accepting papers to be presented at the organization's second International Metals and Metals Processing Conference. The theme of the three-day conference is "Space Age Metals and Technology."

Completed papers must be submitted by April 1, 1988. Unpublished papers and papers not previously presented at SAMPE conferences are eligible for submission. Single-page, preliminary abstracts must be submitted by January 1, 1988, to Dr. Sam Froes, program chairman, AFWAL/MLLS Wright Patterson AFB, Ohio, 45433. All abstracts and papers must include the author's name, affiliation, business address and telephone number. Authors will be notified of acceptance.

For additional information about SAMPE, please contact Ray Cull, conference deputy chairman, (517) 496-4992, or Marge Smith, business director, at P.O. Box 2459, Covina, CA 91722, (818) 331-0616.

**Hispanic Scholarships**

The National Chicano Council on Higher Education is accepting applications for their Science Fellowship Program. Hispanic and Chicano students in at least their junior year are encouraged to apply. Exceptional sophomores may also apply. If selected, sophomores and juniors receive \$400 and seniors \$500. Additional funds are available for graduate studies. Deadline is November 16, 1987. Applications and further information are available in the Financial Aid Office, 12-63 (515 S. Wilson).

**Low Calorie Scholarships**

College students can win thousands of dollars in scholarship money by creating a healthful recipe that uses Sweet 'N Low and can be prepared without a conventional kitchen.

The "Sweet 'N Low Grade 'A' Recipe Contest" features a grand prize of \$5,000, first prize of \$2,000 and second prize of \$1,000.

The recipes must be suitable for preparation in a residence-hall room using only small appliances such as a toaster oven, blender, wok, compact microwave or small refrigerator. They will be judged on the basis of healthfulness, taste, originality, ease of preparation and appearance.

Entry forms are available by sending a self-addressed stamped envelope by December 15, 1987 to: Sweet 'N Low Entry Form, P.O. Box 1901, New York, NY 10116. Entries must be postmarked by December 31, 1987 and received by January 10, 1988.

**CIC Minorities Fellowships**

The CIC Minorities Fellowship Program, sponsored by 11 Midwestern universities, will award about 40 fellowships to members of underrepresented minority groups seeking PhD degrees in social sciences, humanities, sciences, mathematics or engineering. Each CIC Minorities Fellowship provides support for four to five academic years depending on field of study. For 1988-89, each award will pay full tuition plus a stipend of at least \$8,000. Fellowships can be used at any CIC university (the list seems to be the Big 10 plus the U. of Chicago). American Indians, Black Americans, Mexican-Americans and Puerto Ricans are eligible for fellowships in all fields. Asian-Americans are eligible for fellowships in the humanities. Application deadline is January 8, 1988. Apply as early as possible. For more information, call toll free (800) 457-4420, or write to: CIC Minorities Fellowships Program, Kirkwood Hall 111, Indiana University, Bloomington, IN 47405.

**Planetary Science Scholarships**

The Planetary Society is offering five \$1,000 awards to students majoring in engineering and science. Awards will be made on the basis of scholastic achievement, a commitment to a career in planetary related science, and a written essay on a relevant topic. The deadline for completed applications is April 15, 1988. Mail in cards for further information are available in the Financial Aid Office, 12-63 (515 S. Wilson, 2nd floor).

**Pasadena's Other Football Team**

The Caltech Y has 25 UCLA football tickets for sale (games played at the Rose Bowl) for \$5 apiece. Available games are: Homecoming, October 24 vs. U. of California Bears (the old Bruins vs. Bears game), and UCLA vs. the Washington Huskies (November 14). Call The Y, x6163, to get your reserved seats.

**Work-Study At The Red Door**

Work-Study jobs paying \$6.00 per hour are available at the Red Door Cafe (2nd floor of Winnett, around the corner from The Y). Available shifts are 2-6 pm, Monday-Friday, 12-5 pm Saturdays, and possible evenings from 8-12. The Monday shift may be lengthened to 2-7 pm. Requirements are: a liking for people and the ability to ask for help without embarrassment. Flexibility and a sense of humor are musts. Apply at the Red Door, or call x6158.

**HHMI Doctoral Fellowships**

The Howard Hughes Medical Institute (HHMI) is offering 60 doctoral fellowships in biological sciences. The Hughes Doctoral Fellowships will be made to those who have demonstrated superior scholarship and show greatest promise for future achievement in biomedical research. Eligible students are college seniors and first-year graduate students, or others who have completed a limited amount of graduate work. For further information please contact the Financial Aid Office, 12-63 (515 S. Wilson, 2nd floor).

**Living In A Material World?**

The Society for the Advancement of Material and Process Engineering (SAMPE) is awarding 19 \$1,000 scholarships to college students pursuing courses leading to a career in Material and Process Engineering. Consideration is given to scholastic average, specific courses of study, academic awards and honors received, technical and other work experience and the student's communicated objectives in Materials and Processing technology. Competition starts October, 1987, and judging takes place in February and March, 1988, with awards being announced in April, 1988. Applications and details are available in the Financial Aid Office, 12-63 (515 S. Wilson, 2nd floor).

**Attention Swedes!**

The Swedish Club of Los Angeles is offering scholarships for 87-88 for \$500 to \$1000. To apply you must be a student residing in Southern California, must be of verifiable Swedish descent, have strong academic qualifications, be a citizen or permanent resident of the United States, and show financial need. Deadline is November 6, 1987. Send your resume to R.W. Jackson, 1250 E. Walnut St., Suite 210, Pasadena, CA 91106, or call (818) 795-1098 for more information.

**Environmental Studies Group**

Advances in science and technology have contributed to better standards of living for much of the increasing world population, but those same advances have also precipitated many crises in fragile and poorly-understood ecosystems. The efforts of this group will be focused on improving how the Caltech community interacts with the local environment, but we also plan to educate ourselves and other people on national and global ecological issues. The group is still in its formative stages, so input on problems to be addressed and actions to be taken is very welcome. For more information, contact Scott Ross (x6553, 127-72) or Claudia Barner (x6576, 127-72).

**Central America Studies Group**

Much of the discussion surrounding the nations and peoples of Central America is so clouded by rhetoric and ideology that it is difficult to discern what is actually happening there. By bringing speakers to campus who have experience in Central America, we hope to offer an alternative source of information on past and current events in the region. In addition, if you are interested in working with refugees, the sanctuary movement, political action, liberation theology, or any of a number of other topics, we can guide you to the proper organization. If you are interested, call Cindy (x6542) or Marty (x6576).

**Student Heart Research**

The American Heart Association is offering an undergraduate research training program to encourage and introduce gifted students from all disciplines to consider careers in cardiovascular research. In the program, students are assigned to leading research laboratories in California for a ten-week period during the summer to work under the direct supervision of experienced scientists. Each student will receive a grant of \$1,500 for this period.

Interested students should request application from the following address by December 15:

Antone F. Salel, M.D., Chairman  
Student Research Committee  
A.H.A., California Affiliate  
805 Burlway Road  
Burlingame, CA 94010-1795  
or phone (415) 342-5522.

**DOE Research Appointments**

The U.S. Department of Energy (DOE) finances research appointments in science and engineering that are administered by NORCUS, the Northwest College and University Association for Science. Participants in the program are placed with DOE contractors in Richland, Washington. Students or faculty interested in appointments outside the Richland area are requested to indicate the site of interest. Appointments are available for summer and during the academic year.

The program provides an introduction to science and technology and an opportunity to observe research methods while working under the guidance of experienced scientists and engineers. Candidates should have completed their sophomore year by the time they expect to participate in the program, have an above-average academic record, and possess potential for a career in engineering, mathematics, or the sciences. Most appointments are during the summer and last ten weeks. A stipend and travel allowance are included.

Completed applications must be received by December 1 to be considered for a summer appointment. Applicants normally are notified in late January whether they have been accepted. United States citizenship is required and applicants must be from U.S. educational institutions. For applications and information, write to:

The Northwest College and University Association for Science  
Tri-Cities University Center  
100 Sprout Road  
Richland, WA 99352

**EOP Scholarships**

Undergraduate students planning to pursue a career in engineering or computer sciences are encouraged to apply for the 1988 Equal Opportunity Publications Scholarship Program. One \$500 non-renewable scholarship will be awarded in each of seven different categories. For more information, come by the Career Development Center, 08 Parsons-Gates.

**Minority Fellowships**

The National Consortium for Graduate Degree for Minorities in Engineering, Inc. (GEM) is accepting applications for its 1988 Fellowship competition which will provide one-hundred and thirty (130) awards to minority students in engineering.

Designed for members of ethnic groups that are underrepresented in engineering, the program's goal is to increase the pool of minority students who receive master's degrees annually in engineering. Persons applying for the program must be American Indian, Black American, Mexican American, or Puerto Rican, and must be citizens of the United States. At the time of application, the minimum academic requirement for the student is enrollment in the junior year of undergraduate study in one of the engineering disciplines. Those presently in their senior year or recently graduated are also encouraged to apply.

As a GEM fellow, each participant must be free to work during the summer as an intern for a member employer and must complete the academic work for the master's degree at one of the member universities. In all, there are 52 member employers and 52 member universities.

Each fellowship pays tuition, fees, and a stipend of \$5,000 per academic year, as well as provides summer employment with a sponsoring member employer. The total value of the award is anywhere between \$20,000 and \$30,000 and depends upon which member university the Fellow elects to attend.

Applicants must be received by December 1, 1987. Awards will be announced February 1, 1988. Information on the program, as well as application materials, may be obtained from:

GEM Program  
P.O. Box 537  
Notre Dame, IN 46556

**Advance Your Swordplay Skills**

The Caltech Medieval/Renaissance Society is holding fighting practice on Sundays at 2pm on the lawn outside Winnett Student Center. Would you like to learn the techniques of medieval armored combat? Come join us! For more information, call Leif (213) 644-7566, or Amy (818) 794-2612.

**Lose Blood, Gain Beer**

The Caltech Fall Blood Drive will be on Tuesday, October 27 (9:45 am to 2:30 pm), Wednesday, October 28 (12:15 to 5:00 pm), and Thursday, October 29 (8:15 am to 1:00 pm). There will be a contest between the Graduate and Undergraduate houses to see who can donate the most pints of blood. The rules are: 1/2 keg of beer or an equivalent amount of soft drinks goes to the house with the highest percentage of donors. The blood drive will be in Winnett Lounge. Please make appointments in advance if you can, although drop-ins are welcome if you can't plan ahead. For appointments call Denise Okamoto, x6374 in the Personnel Office.

**Linen Exchange**

Undergraduate students were issued two sheets, two towels, one pillowcase and a mattress pad as part of the housing check-in process. You may exchange linens and towels on a one-to-one exchange basis for clean items each week at the following times in the South Complex and North Complex On-Campus Undergraduate House basement linen rooms:

Tuesdays, 7:30 am-9:00 am  
Wednesdays, 12 noon-1:30 pm  
Wednesdays, 7:30 pm-8:30 pm  
(North Complex basement only, providing service to all students)

Thursday, 2:00 pm-3:00 pm  
The Wednesday evening linen exchange is a new service being provided to students! Residents of Off-Campus Undergraduate Houses, Braun and Marks House, and the two apartment complexes may exchange linens in the North Complex linen room.

**5K For 5 Acres**

The first annual Five Acres' 5K Doo Dah Run will be held at 8 am on November 29, preceding Pasadena's famous DooDah Parade. The race will start at Garfield and Colorado and conclude at 9:30 am with an "Outrageous" Awards Ceremony at Memorial Park, at Raymond and Walnut. It promises to be a party for runners and spectators alike, entertainment every half-mile; jazz bands, marching bands, jugglers and waiters running ala DooDah.

Why? Runners will be contributing to Five Acres, the Boys and Girls' Aid Society of Los Angeles, which has been helping abused children for the past 100 years. For more information about running, call (213) 975-KRUN.



## WHAT GOES ON

Announcements for *What Goes On* should be submitted on an announcement form available in the SAC copy/mail room (Room 37) or on a plain piece of paper. Please indicate the date(s) you want the announcement to run. Send announcements to 25-58, or put them under the door of Room 40A of the SAC. Announcements must be received by the Tuesday prior to publication.

**Better Than Chem 1**

On Thursday, Nov. 5, the Caltech Chemistry Department is sponsoring High School Chemistry Day (complete with chemical magic, posters, tours of campus chemistry labs and an inspirational talk by Harry Gray). Any members of the Caltech community interested in being a part of this event are encouraged to call Erica Harvey at x6538.

**Indian Association Meeting**

OASIS (Organization of Students from the Indian Subcontinent) is holding a get-together to welcome the new students who have joined us this year and also to celebrate Deepavali which fell on Thursday, October 22. We will have a potluck lunch in Winnett Center at noon on Saturday, October 24. OASIS will arrange for dessert and snacks. After lunch, we will watch some Indian movies. Everyone is welcome. Please RSVP to Devendra Kalra, x6790 or 793-8632.

**Cu Vin Interesas Esperanto?**

Are you interested in Esperanto, the international language? Simple, flexible and musical, it can be used as a second tongue for all and solve the problem of universal, mutual understanding (it's great for traveling!) Its whole grammar consists of only 16 rules without any exceptions. So shouldn't you give it a try? You might be surprised how easy and exciting a foreign language can be.

A new beginning course starts on Nov. 3, 7-9 pm at 435 N. Euclid Ave., #22. It is \$4/session, and there will be refreshments, too!

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**Waterbeds**

Residents in Undergraduate Housing who have waterbeds are responsible for all damages incurred from the bed. Students must register waterbeds with the Housing Office. Waterbeds are NOT allowed in Braun or Marks Houses.

**Darkroom Opens**

The new darkroom in the Student Activities Complex (South Undergrad houses basement) is ready for use. Interested students should come to the darkroom (room 39, next to the *California Tech* offices) at 2 pm today (Friday, October 23) to discuss equipment and policies. Questions? Call Mark Looper at 304-0006.

**S.P.E.C.T.R.E. Meeting**

S.P.E.C.T.R.E., the Caltech science fiction club, will meet at 7:30 pm on Wednesday, 28 October, in the Y Lounge (upstairs in Winnett). The library is ready to start lending, and we'll assign keys this meeting. We will show a science fiction film, to be announced (watch for the banner on the south wall of Winnett). Questions? Call Mark Looper, 304-0006.

**Chess Club**

Don't be misled by the *little r*; we are meeting in Clubroom A, which is in the basement under Fleming House. The time is still Monday at 7:30 pm. Come on by and take out your frustrations on someone else's king. For more information contact Matt at 356-9208.

**Reach New Heights**

Join the Caltech Flying Club and learn to fly. Check our rates and compare. You'll find that now is the time to learn. For more information on the Flying Club or about a demo ride, contact Jay Ebersoll, x6182, or Jim Kaufman, x3807.

**TACIT's "A Life In The Theatre"**

Theatre Arts proudly presents its first production of David Mamet's "A Life in the Theatre." Starring David Stevens and Al Hibbs, it is a tale of life both in front of and behind the footlights. Performances are Oct. 23, 24, 30, and 31 at 8 pm. Oct. 25 at 7 pm and Nov. 1 at 2 pm. Get your tickets now at the Caltech Ticket Office or at the door.

**Accompanist Needed**

The Women's Glee Club needs an accompanist on Wednesday afternoons from 5-6 pm. Previous accompanying experience helpful. Work/study \$ available. Contact Monica Hubbard, x6260.

**It's Samurai Cinematech!**

This weekend's Cinematech feature is Akira Kurosawa's masterpiece, *The Seven Samurai*. This classic tale of a motley crew of warriors defending a small village spawned such diverse adaptations as *The Magnificent Seven* (a western) and *Battle Beyond the Stars* (a low-budget SF film). If you have never seen it, you have missed a great deal of cinematic history. It's the *Citizen Kane* of Japan. It's also cheap, costing a mere \$1.00 for admission. Baxter Lecture Hall, 7:30 pm, Saturday, October 24.

**Shakespeare Festival**

The Berkeley Shakespeare Festival will perform Shakespeare's *Henry V* in Beckman Auditorium tonight at 8 pm. CIT student rush tickets are only \$6.00. CIT faculty and staff TECHTIX are: \$8.75-7.50-6.25. These discount tickets go on sale at noon today, October 23 at the Caltech Ticket Office, located just north of the Beckman Auditorium parking lot. Call x4652 for information.

**Green Fields of America**

Eloquent songs capture the essence of traditional Irish music and dance in a performance at Beckman Auditorium at 8 pm on Saturday, October 24. Mick Moloney is joined by captivating musicians and step-dancers in a rousing evening of entertainment. CIT student rush tickets: \$6.00. CIT faculty and staff TECHTIX: \$7.50-6.25-5.00. These discount tickets go on sale at noon on Friday, October 23 at the Caltech Ticket Office, located just north of the Beckman Auditorium parking lot. Call x4652 for information.

**Help Desperately Needed**

The Caltech Coffeehouse is still looking for an additional manager as well as several waiters for *immediate employment*. Positions are open to *current* Caltech students only. Please sign up, if interested, on the door of the Student Activities Coordinator's office (Rm. 64 SAC). See Nancy Matthews or any current manager (Steve Bard, Barry Lind, Earl Taylor) if you have a question regarding either position.

**Found Bikes**

Four bicycles were removed from Blacker and Ricketts at the beginning of the summer (for construction purposes). They have been rotting in the Bike Shop every since. If one of them is yours, contact Andrew Huntington, 1-58, 356-9136, with an extremely believable story about why I should give a bike to you.



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**Bother Tom**

*The Totem* is once again hunting for pieces of fiction, poetry, and other creative works that are not derogatory to reinforced concrete. The editor, Tom Tromey, promises authors everlasting, world-wide fame, a chance at the Nobel prize in literature, and maybe even some toast (unbuttered). If you would like to aid Tom in his literary pursuits, bother him at 1-59 (Ricketts).

**Buy Used Jock Stuff**

The Athletic Department has a considerable amount of surplus athletic equipment and clothing for sale. A general description of the items available is available on fine bulletin boards everywhere, and a detailed listing of specific items and minimum bids can be obtained from Roger Garcia in the Equipment Room at the Gym. Bids are to be submitted in writing to Marc Otto, Director of Surplus Property at 315 Keith Spaulding Building. Bids must be submitted by November 25, 1987.

**Ivy Bibles**

Hey freshmen! Inter-Varsity Christian Fellowship at Caltech is holding Bible Studies just for you. The studies will cover 1 John this term. Studies are one hour per week, and their purpose is to strengthen freshmen in the Word and to provide a support group for them. Frosh studies will be held:

Thursdays, 8-9PM, room 229 Ruddock  
Fridays, 8-9PM, room 114 Ruddock  
Sundays, 2-3PM, room 301 Thomas

If you are interested in a Bible study, or if you have any questions, please contact Larry Trout or Mel Senft in Ruddock 114, or Scot Wolfe in Ruddock 229.

**Gay/Lesbian Discussion Group**

An ongoing discussion group on Gay/Lesbian topics is held every Thursday evening beginning October 22 from 7:30 to 9:45 pm at the Archibald Young Health Center. All members of the Caltech community are welcome. Refreshments are provided. For further information please contact Bruce Kahl, x6393.

**Get Yer Red Hot ASCIT Minutes!**

Now you too can receive a copy of the most coveted publication on campus. . . . the ASCIT minutes. Truly a masterpiece of modern weekly literature, the ASCIT minutes brings you inside the exciting world of Caltech student government. You'll meet Larry—the van magnate in search of his real name; Dugen—the man behind the TQFR; Jeff—the hopelessly optimistic leader; and a host of others as we venture each week where few dare to go. . . . the ASCIT meeting. The subscription price is zero—a rare bargain for such a keen publication, and worth every penny—so drop a postcard to Eric Scharin, Secretary-o'-the-Gods, mail code 1-53 or call him at x6236 to get yours now!

**Caltech Road Hockey Club**

The road hockey season is underway. New players are always welcome. Games are held every Saturday beginning at 9:30 am in the parking lot north of Beckman Auditorium. Contact Sheldon Green (796-3813) or Jeff Hall (796-9232) for details.

**Philharmonic Tickets**

The Caltech Y has tickets to two performances of the Los Angeles Philharmonic. October 30th's performance includes Harbison's "Diotima," Prokofiev's Piano Concerto #4, and Strauss's "Also Sprach Zarathustra." November 13th will include Stucky's "Dream Waltzes," Bloch's "Schelomo," and Rachmaninov's Symphony #2. Andre Previn conducts both evenings. Tickets and sign-ups in the Caltech Y, 2nd floor of Winnett. The number of tickets is limited, and each ticket costs \$3. Sign up soon or you won't get to go.

**Caltech Bridge Club**

The Caltech Bridge Club meets every Monday at 7:00 pm in the Red Door Cafe. Players of all standards are welcome and it is not necessary to bring a partner. We play Duplicate Bridge and Master Points are awarded every week. If you have not played Duplicate before, come to the cafe at 6:45 for a brief description and tips on how to play. So, if you enjoy playing, come on out Monday for an enjoyable evening of bridge.

**Off With Its Head!**

After a long, hard week, wouldn't you like to spend your Friday night working out your frustration by killing something? At least vicariously? The Caltech Gamers get together on Fridays at 8:00 in Clubroom 1 of Winnett Center, and do just that. Let's face it, in any game, from checkers to Rogue, the object is to bash your opponent into the ground, whether your opponent is a computer or your best friend (sometimes indistinguishable). Stop by and join in the fun. The mainstay of Fridays is a fantasy role-playing game developed here over the years, relatively easy to learn. People also use Friday night to make plans for private game sessions of just about anything that can be played by one or more consenting adults. Drop by any time. Beginners welcome, and not just as ore fodder.

**SCA Resource Assistant Positions**

The Student Conservation Association is recruiting students for their 1987/88 Winter/Spring season. Positions will start between November 1, 1987 and April 30, 1988. For more information, come by the Career Development Center, 08 Parsons-Gates.

**Goddard Scholarships**

Applications are being accepted for the *Dr. Robert Goddard Scholarship* for 1988-89. The award is for \$7500. Applicants must be U.S. citizens in at least their junior year. Apply by letter to the National Space Club/Goddard Scholarship, 655 15th Street N.W., Suite 300, Washington, D.C. 20005. With your letter include your transcript, letters of recommendation from faculty, accomplishments demonstrating personal qualities, scholarship plans, and proven past research in space related science and engineering. **Deadline is January 15, 1988.** Some additional information is available in the Financial Aid Office, 12-63.

**Zonta/Earhart Fellowship**

Women majoring in aerospace related science or engineering fields are encouraged to apply for the 1988-89 *Zonta Amelia Earhart Fellowship*. The grants are for \$6,000. Qualifications are a bachelor's degree, qualifying for graduate school, and a superior academic record. Applications and recommendations must be postmarked by **December 31, 1987**. For applications and further information contact: Zonta International, 557 W. Randolph St., Chicago, IL 60606.

**U.S.D.O.E.E.R.P.**

The U.S. Department of Energy has opportunities available for juniors and seniors in their Science and Engineering Research Semester program. Activities include hands-on research, seminars, academic courses, and advanced instrumentation training. See the poster on the bulletin board in the SAC (at the Orange Walk entrance) for more information.

**IBM Co-Op Program**

IBM in San Jose has co-op positions available for students interested in Information Development. Jobs will be for six months and will open up in November 1987 and January 1988. Students must be U.S. citizens or permanent residents. Those interested are encouraged to come by the Career Development Center, 08 Parsons-Gates, for more information.

continued on page 11

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