We don't want to edit another paper so please vote so as not to cause a runoff in the editor election.

## THE ALIFORNIA TECH house at 12:15PM today. There will be free pizza and drinks.

Pasadena, California

**Tech Meeting** Interested in writing for the Tech? Come to the Coffee-

Volume XCII, Number 25

This is the last photo you will see of Louis Wilde stroking his beard as MOSH.

## May 3, 1991 Wilde Resigns As Mo Search for a Successor B Begir

by Alecia Chen

Currently, Caltech is searching for a professor to fill the vacant position of Master of Student Housing. An ad hoc committee has been formed to aid in finding a potential replacement. This committee consists of Rod Kiewiet, James Lee and Jim Morgan. They will make suggestions to the Housing Committee.

The Housing Committee with its seven faculty and two undergraduate members selects the MOSH. But ultimately, Gary Lorden, Director of Student Affairs, and Dr. Thomas Everhart are responsible for the hiring of the new MOSH.

The position of Master of Student Housing was previously occupied by Professor Louis Wilde. Professor Wilde resigned as of April 1, 1991. It was said that Professor Wilde had been unable to devote sufficient time to his duties as MOSH partially because he wished to spend more time with his family.

Since then, a very busy Kim West, Director of Resident Life, has been doing the duties of both the MOSH and herself. Presently, she is dealing with the housing lottery, aiding in choosing a new RA for Ruddock, and much more.

Both Gary Lorden and Rod Kiewiet have stated that the Institute intends to fill the empty position before the 1990-91 school year ends. They want the students to be involved in the decision. Gary Lorden has been meeting with the house presidents and several other undergraduates to discuss what their expectations of the MOSH are. Although the new MOSH will most likely be chosen by the end of third term, he probably will not step into the office until September.

The MOSH's office has undergone many changes in the past year. The position of Associate MOSH has been abolished and the position of Director of Resident Life has been created. The role of MOSH has always been a demanding one, but perhaps more so over the past few years.

Thus the full-time position of DRL was created to ease many of the stresses. Since the job of DRL is relatively new, it is still uncertain as to exactly what the DRL will do as opposed to what the MOSH will do and how the two positions should interact. These aspects are to be discussed between the next MOSH and Kim West.

be an active and visible figure around the seven student houses. Since he will be the main gobetween in regards to students, faculty, and administration, students should feel at ease to discuss their concerns with the MOSH. With the DRL aiding the MOSH, he will have more free time to spend with students. Maybe house dinners at the MOSH's house will be revived.

Jack Prater, former IHC Chairman, is currently house sitting the MOSH's house, known as Steele House. The next MOSH will still have the option to live there if he wishes.

According to Rod Kiewiet, the Housing Committee is willing to listen to suggestions for potential candidates from students. Each house has a representative known as the non-resident faculty associate (NRFA) on this committee. Contact this person. You can find your representative's name by looking in the Caltech Catalog. Also, you can give your input at the Housing Committee meeting (assuming that you can find out where and when it is).

Sign Up for the ASCIT Formal

Sign-ups for this year's ASCIT Formal are now out on the MOSH's Office door. It will be held on Friday, May 10th at Caltech's Athenaeum, and will cost

\$50 for each couple. The formal is open to undergraduates from all classes and their date. If you have any questions, call Ari Kaplan at 440-9743 or x3691.

## Shuttle Endeavour nveiled

#### by Jeff Foust

Before a crowd of several hundred dignitaries, Rockwell employees, special guests, and members of the media (including four SEDS members!), Rockwell International delivered to NASA the newest shuttle to join the fleet, the Endeavour.

The ceremony, which took place at Rockwell's Space Systems Division facility in Palmdale, CA, last Thursday, April 25th, lasted about one hour and included speeches from Rockwell executives, Congressmen, astronauts, and NASA Administrator Richard Truly. The highlight of the day, though, was the actual rollout of the Endeavour.

"So now, let's roll out the Endeavour." With these words from Sam Iacobellis, executive vice president and chief operating officer of Rockwell International, Endeavour made its appear the ence. To the theme of "2001: A Space Odyssey", and then, more appropriately, Elgar's "Pomp and Circumstance", the shuttle appeared from behind the giant building where it had been constructed and rolled towards the wildly cheering crowd. It was a moment of pride for the American space program, and specifically the men and women of Rockwell who built the craft, managing what seemed to be the impossible: completing the Endeavour on time and under budget. Not surprisingly, praise for the

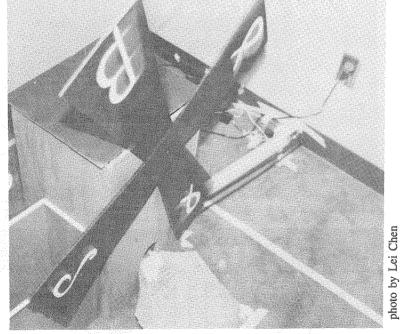
Endeavour, and for Rockwell, was widespread. NASA Administrator Richard Truly said, "I am extremely proud to be taking delivery today of the space shuttle Endeavour, the latest in a line of magnificent flying machines.

Painstakingly built by some of the finest and most dedicated members of the givernment/industry work force in America, and equipped with extremely capable avionics and mechanical systems, Endeavour will join our fleet of remarkable space ships - Colum-

bia, Discovery, and Atlantis - in carrying out the world's grandest adventure, the exploration of this vast new ocean we call space."

Another Shuttle? Although many had believed that the Endeavour was the last of the shuttles ever to be built, there was great hope and optimism at the rollout ceremony that another shuttle or shuttles would be built. According to Iacobellis, "We believe that funding for future orbiter production likely will be approved over

continued on page 4



## CRIME AND INCIDENT BEAT

- Crime Tip: All bicycle owners should register their bikes with the security office. If a bicycle is recovered and cannot be identified, it will not be returned to it's owner (if there's no victim, there's no crime, etc., etc.).
- 4/24 In a theft of the SAC library, one glass shelf was removed, and another one was broken. The estimated value of the shelves is about six hundred dollars.
- 4/26 An employee of the Infrared Processing and Analysis Center had his car stolen in the Highland Park area of Los Angeles. There was an IPAC key in the trunk, but apparently there is no information linking the key to Caltech.
- 4/27 Two persons were found in the Chester parking lot taking bags of cans from the recycling center. Security advised the persons to leave and not return. The cans were recovered.
- 4/27 A staff member found some vandalism on the west wall of the first floor hallway in Firestone Lab. There appeared to be dried blood on the wall, and a picture of Weird Al Yankovich with "Die White Pigs" written by it. Saturday school students were present in the building.
- 4/27 Two fiberglass ladders were taken from an electrical cart that was secured behind a fence on the north side of the electrical shop. The ladders were unlocked but behind a seven foot fence.
- 4/30 A solicitor was observed in Kellogg asking for one of the professors. When the solicitor asked how the professor spelled his name, a witness suspected that the suspect did not know the professor.

# Hopefully, the new MOSH will

A spiffy windmill adorns part of the Blacker golf course in Harry Gray's office.

Security was called, but the solicitor had left campus when they arrived.

- 4/30 A student sold a used car through a newspaper ad to a non-Caltech person. The person called the next day and stated that he wanted to return the vehicle. When the student refused, she was threatened over the phone. The student called a number given to her by the suspect, and was told that the suspect was using an alias but not where the suspect lived.
- 5/1 An electric cart was left in Millikan Pond, supported by bricks and wooden planks. The cart was removed later in the morning, and a note that was on it was delivered to the President's Office. 5/1 Security received a phone call from a student at 1170 Del Mar. Apparently someone had parked his truck in the vacant lot south of the apartments and had stayed there for several days. Security advised the person that he could not stay on private property. Total value missing or stolen: \$825.



### The California Tech

of cars driven to campus will be

age vehicle ridership rate by divid-

ing the number of nonresident

employees by the number of cars

to get 2135/1570 = 1.36 AVR, us-

conservative estimates and the in-

stitute's own data, there are only

1.36 non-student employees per

car. Note that the SCAOMD's stan-

Thus, we see that, using very

Now we can calculate the aver-

1151 + 419 = 1570 cars.

ing conservative estimates.

# letters

## Hide Behind P/F

#### To the editor:

When the pass-fail option for upperclass courses was first introduced, it was sold as an invitation to students to expand their intellectual horizons without worrying about the effect on their GPA's. Remembering my own hesitancy to take Physics in college for fear of the effect on my grade average, I applauded the change. Sometimes, perhaps often, it works as it was designed to at Caltech.

But as the letter to the April 26 Tech reminds me, in all too many instances, pass-fail invites not a broadened intellectuality, but a know-nothing gamesmanship. For the very student who complained of not being able to take Physics/Math 2 pass-fail very carefully calibrated the exact amount of work he needed to do not to fail my frosh Humanities course, and then didn't do epsilon more, daring me to fail him. (I reluctantly refused the dare.)

Whether he would have done the same thing in Physics/Math 2 is unclear. That others, before and since, do so in humanities and social science courses is incontestable. I agree with the writer that all Institute requirements ought to be treated the same way, but disagree on how the equalization should be performed. Rather than allow Physics/Math 2 to be taken passfail, upperclass humanities and social science courses that go to form the 108-institute requirement ought to be available only on a graded basis.

#### Sincerely yours,

J. Morgan Kousser Professor of History and Social Sciences

## **Bush Ignores** Honor Code

Dear Editors of the Tech:

As graduation approaches, it becomes time for alums and graduating seniors to reflect on the "Caltech experience" and wax nostalgic about the time spent there. The strongest influence upon most students is the honor system; there are few places that have created such a strong atmosphere of trust among community members.

The point of this letter, however, is not to write an ode to the joys of the honor system. What prompted us to write it was this year's graduation speaker. A graduation speaker should be a role model; someone for the graduates to emulate. In its zeal to promote Caltech, we geel that the Centennial Committee (or whoever it was

on individual trust and honesty. There is evidence that, even if he has always obeyed the letter of the law, Mr. Bush has repeatedly attempted to subvert the spirit of the Consitution he swore to uphold. Any student who consistently disregarded the spirit of the honor code would not have remained at Caltech long enough to hear Mr. Bush's speech in a cap and gown.

As Vice President, Mr. Bush was heavily involved in the infamous Iran-Contra fiasco, an attempt to skirt the legitimate authority of Congress. Recent evidence indicates that he was involved in assuring that Iran would not release out hostages until after Mr. Reagan defeated Mr. Carter ant took the oath of office. The build-up of troops in the Gulf was decisive, but probably not constitutional. Given Mr. Bush's failure to uphold his own sworn code of honor, what message will his presence give graduating seniors?

We realize that this graduation speaker was someone's coy idea of a great Centennial promotional stunt. Congratulations, Caltech will get a free press, and President Bush will have an opportunity to associate himself with a first rate educational institution. It is unfortunate that the price we will pay for 30 seconds on the national news is the devaluation of the principles that are the core of our honor system.

Sincerely,

#### Betina Pavri '89 Randy Pollock 372 Lloyd Ave. #5 Providence, RI 02906

## **Guest Limit At** Commencement

Letter to the Editor:

I recently found out that the number of guests that each senior may bring to the commencement ceremony may be very limited. The past few years there was no limit on guests. However, because President Bush is going to be the speaker the turnout may be much higher than in the past.

Seniors were asked to register the names of guests with the dean's office. But, this does not guarantee their admission. Someone on the convocations committee told me that 8 guests would probably be too many. They were thinking more like 4. As a result I suggest that seniors not have any friends or family make any non-refundable fight or hotel reservations. They would not give me any idea of when they will be able to tell us the limit. The Secret Service is not returning their phone calls.

The last day to sign up guests is May 17. Assuming the committee can decide one week later, it could be May 24 before we know the limit. In other words, it may be three weeks prior to the ceremony when I find out if the Secret Service is going to keep my grandmother out or not.

Students or parents with concerns about this logistical nightmare should call Senior Class President Bill Swanson 564-0464, the deans x6351, or David Wales x4332. I suggest seniors call them so they straighten out this potential mess.

Mitch Loescher

1-55

## **AVR Deception**

Dear Editors,

In the past month, there have been two letters to the editor dealing with Caltech's commuter surveys. One letter said that the surveys ought to be boycotted because Tech isn't interested in reducing smog, just in complying with air quality laws, and that if you didn't count students, Caltech's Average Vehicle Ridership (AVR) was actually just 1.2 people per car, far less than the 1.5 mandated by law.

The other letter, from Caltech's commuter services officer, claimed that the Institute was in full compliance, but wanted input from people on how to do better. Since all the scientists here like hard facts and data, I went to Caltech's reports on the commuter surveys to get the real numbers for AVR when student employees are not considered.

First, here's the data, straight from Caltech's Transportation Management Plan (which was filed in March 1989 as part of the process for approving Caltech's master plan) and last year's Trip Reduction Plan (which was filed in March 1990 with the South Coast Air Quality Management District (SCAQMD) and for which all Caltech employees had to fill out surveys). This year's Trip Reduction Plan should be out soon (or maybe it already is out), but I did not have it available for reference.

From the Transportation Management Plan: -40% of the respondents to the fall, 1988 transportation survey (which went to all employees) were students. (p. 6)

From the fall, 1989 transportation survey: - CIT has 3530 employees on campus, 2894 of whom were counted for this survey be-

Daily 5:00, 7:30, 9:55 p.m.

Sat-Sun Matinee 2:30 p.m.

• A

6am and 10am. (p. 3-1) - Of theemployees who returned the survey, 382 were in the 91125 ZIP code (on campus) and 281 were in the 91126 ZIP code (undergraduate houses). So 663 respondents listed their address as being on campus. (p. 3-2) - 2099 people responded to the survey. 96 people were either on vacation or sick. Therefore the base number of employees is 2798 instead of 2894.

699 employees did not respond to the survey (and are counted by the SCAQMD as people who drive alone). (p. 3-3) – Of the respondents, 20 people take the bus to work, 562 people walk to work, and 178 people bike to work. (p. 3-3) - The total number of vehicles coming to campus, among respondents to the survey, is 1151. (p. 3-3)

Now let's use these figures to see how Caltech would do if students were not counted as employees:

Since Caltech has 3530 employees and 40% are students, there are  $3530 \ge 0.4 = 1412$  student employees.

Assume that all people who listed their ZIP codes as 91125 or 91126 are students who walk or bike to work every day (this assumption seems reasonable).

Therefore, 1412 - 663 = 749student employees either live off campus, did not respond to the survey, or do not get to work before 10am. Nonetheless, we will only subtract the 663 on-campus students from the total number of nondriving employees (this should balance out any bias from the oncampus assumption made above).

Thus we have 2798 - 663 = 2135 non-resident employees who responded to the survey.

Note that this reduces the total number of non-driving employees (20+562+178=761) to 761 - 663 = 98.

Since students are just as apathetic as everyone else, subtract 40% of the people who did not respond to the survey: we get 699 x 0.6 = 419 nonresponding, nonstudent employees.

The SCAQMD counts nonrespondents as people who drive cause they arrive at work between alone. Therefore, our total number

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\$onny Arcilla

CIRCULATION Peyjen Wu Jennifer Wright

THE CALIFORNIA TECH Caltech • 40-58 SAC 1201 East California Boulevard

dard, which Caltech has promised the city of Pasadena that it would meet, is an AVR of 1.50. Caltech has been using its student employees to artificially boost its AVR and comply with the let-

ter, but not the spirit, of the law. I'll be the first one to admit that housing students on campus is a great way to cut back on commuters and smog. However, Caltech could, by spending no more than other employers of similar size, increase the AVR of its nonstudent employees to 1.5 or greater and at the same time set an example for other Los Angeles area employers.

Some options which Caltech has failed to implement include providing monetary and/or prize incentives for carpooling and vanpooling, constructing secure bicycle storage areas, charging employees for parking permits, and encouraging research into alternative energy sources.

THE CALIFORNIA TECH

Volume XCII • Number 25

May 3, 1991

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Sam Dinkin

Jeff Foust

Jo Ignatowicz

Flavio Noca

PHOTO EDITOR

Lei Chen

continued on page 4

who suggested that President Bush should be the graduation speaker) has made an unfortunate mistake.

By inviting President Bush to speak, we are inviting him into a community that places great value TECHTIX & CIT STUDENT RUSH TICKETS GO ON SALE FRIDAY, MAY 3 CIT Faculty & Staff: \$10.00 - 8.75 - 7.50 CIT Students: \$7.50

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Baxter Lecture Hall \$1.50 for ASCIT types, \$2.00 for outsiders THEATRES COLORADO 2588 E. Colorado Blvd. (818) 796-9704

> Christopher Walken Natasha Richardson The Comfort of Strangers Daily 4:45, 7:00, 9:20 p.m. Sat-Sun Matinee 2:00 p.m. Starts Wednesday, May 8: Truly, Madly, Deeply

Pasadena, California 91125

(818) 356-6154

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## **Jay Bromley** Ari Pine

We want to be the Tech editors.

We want to be the *Tech* editors because we've got something to say, and besides, the Tech editors get all the babes. So we didn't work on our high school newspapers, but this isn't high school and the Tech isn't the New York Times. Anyway, vote for us and we'll go streaking through your house. Or if you prefer, we won't go streaking through your house.

What do we want to do with the California Tech? Well for one thing, we need swivel chairs. We'd also like more creativity in the Tech. Personal messages, not just on Valentine's Day. Much more sports features, not just track, hockey, and Club Homeboy. We'd like to have at least pictures for most of the sporting events on campus. Interhouse standings and pictures. C programming tips - yeah right. Games and puzzles. Contests such as the win a dream date with Chon Torres contest recently published in that fine CalTech paper Das Ants. And then of course, is the blockbuster swimsuit edition - featuring super model Steve "NUTZ" Harkness. Find out how he got his nickname. Faces in the crowd - an in depth interview with interesting Techers. Maybe even a fiction section in between Totem issues.

public office Standard promises: we want to hear what you want in your school paper after all you are the ones who are going to recycle it. We want the Tech to be entertaining as well as informative. We won't fill the paper with Jim's Journals. After all, our

USC

CALTECH

names will be going on it - which are by the way, Jay and Ari. We really are serious about be-

ing editors so vote for us, or we'll touch you.

## **Andy Crews Delwyn Gilmore** Jon Liljeblad

How many Juniors does it take to run for Tech editor? Well, probably not three, and yet, here we are. I should think the real question is how many Seniors does it take to run the Tech? Alright, alright, probably one could do it -Seniors don't have anything better to do anyway.

So: what do we want to do with the Tech next year? Well, everyone has complained about the Tech once or twice, but the three of us have some strong opinions about things that could be improved, and things we'd like to see continued in the Tech next year.

We'd like to place a lot of emphasis on increasing the number and diversity of articles written for the newspaper. This would include a few regular articles which, while not unlike "Sam Dinkin's Bridge Column", would hopefully appeal to a somewhat larger slice of the student body, as well as other readers.

Considering how many of the letters written to the Tech every week concern complaints or suggestions about life at Caltech, it seems that there would be interest in a regular column that discussed both the problems and virtues of Caltech in general.

Such a column could bring up anything from how to prevent crime, to what to watch out for with the food service. There is certainly room for several steady columns in the Tech, whether they are written by clubs, concerned students, or whomever.

Next, lets consider the cartoons. Jims Journal is ok, I guess.... But how many people read that one about the rat and the scientist? Dumb, dumb, dumb. We'd like to look into what other cartoon could be put in the Tech, and poll the community to see what actually makes people chuckle. (And, well, if it's the lab rat and the scientist, I guess we'd have to keep it.)

In any case, some things may be more important than others. In general, we will try to increase the professional look and feel of the Tech by adding articles and other materials. On the other hand, we are very intent on keeping "The Inside World" column as a medium for communication of what goes on within the houses. The rumor that the Inside Worlds might be lost was one of the most compelling reasons for the three of us to run for the Tech Editorship.

Jon and I (Andy) have worked together previously, putting together a publication, as well as getting people to write articles for it; Delwyn has had experience as an editor a few years before. Together, we feel we are experienced and motivated enough to run The California Tech in the coming year.

Vote for us (or Delwyn will BOC you!)

> Thanks for your support, Andy Crews Jon Liljeblad Delwyn Gilmore.

## Jason Lee **Aaron Matzner Emily Wen**

The California Tech has been an exciting paper that is unique to our campus. We firmly believe that the main purpose this newspaper is to bring both serious and not-soserious news to the entire Caltech community. Besides keeping the Crime and Incident Beat and Inside World, we are planning to add more dimensions to the paper.

For example, an Associated Press section will increase student awareness about the world, and more features to introduce new people to the campus will be implemented. All in all, we wish to make the California Tech a highly readable paper.

Moreover, we are an experienced team in the paper business. Emily Wen has been The California Tech editor for a year, and has worked for the BigT for 2 years. Jason Lee has been a guest writer for the California Tech for the past year, and he was also an editor of his high school newspaper. And our star runner Aaron Matzner has been a reporter for Whitman College Pioneer, and editor for several newsletters at Whitman College.

We also realize some changes are needed and we will be more than willing to listen to suggestions from YOU, our readers, as to how the Tech can be imporved. And YES, we will carry out changes. We strongly encourage letters to the editors, or any kind of feedback from the entire campus.

Please vote Jason Lee, Aaron Matzner, and Emily Wen today for Tech editors. We promise to bring a quality paper to the campus.

# Crusade vs. Apathy

by Jo Ignatowicz Last Sunday, members of the undergraduate houses' social teams met with Kim West at the old MOSH's house to discuss social policy. The meeting was organized as an informal dinner and information session. After eating, we split up into groups and decided what we liked most and least about being part of a social team.

Many people agreed that the worst things about being a social chairman were the general complaints of their house members and the clean-ups after events. Though house apathy seemed to be a problem, Hoyt Hudson, Blacker social chairman, saw it in a different way. He said that the "crusade against apathy" was probably one of the BEST things about being on a social team. "Free food . . . " added Chuck Halloran from Page.

The meeting was organized into four parts and proved to be extremely informative. Kim West provided the social teams with official guidelines concerning DAPAC, guests, security, noise, and advertising at social events. It may seem that we were told, "You can't do this and you can't do that..." However, the aim of the meeting was to encourage cooperation and communication between the undergrad houses and the MOSH's office.

For instance, Kim West provided us with an extensive list of funding sources. It is clear that the administration is eager to improve the social lives of its students. The meeting was a sincere and successful attempt to make life more enjoyable for everyone.

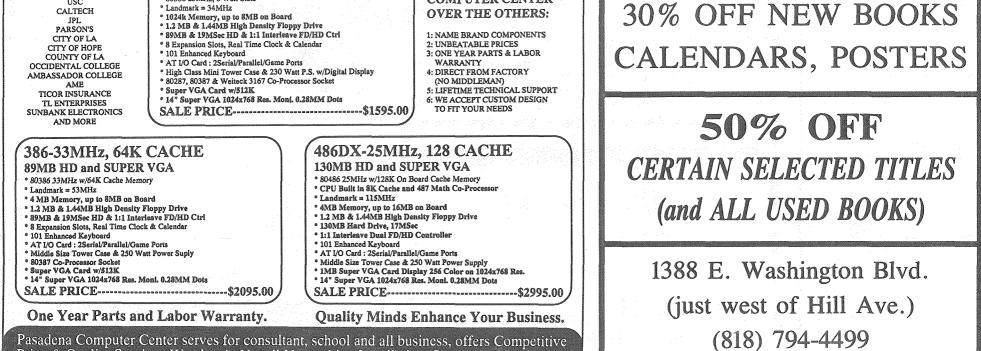
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### Endeavour

from page 1

the coming years.

That is based in part on the Shuttle's man-in-space capability. America has a continuing requirement for that capability, and no other mn-rated vehicle exists to meet it."

NASA Administrator Truly, while noting that no funds for another orbiter were included in this year's budget, primarily to stabilize the Space Station Freedom program, did not rule out the possibility for requesting funding for a future shuttle. "If I were a betting man," he said at a press conference after the rollout ceremony, "I would not bet against another orbiter rolling out eventually."

## **CLASSIFIED ADS**

APARTMENT/SUBLET NEEDED-

NEED TO SUBLET this summer? Two SURF students seek one bedroom apt/room with kitchen, 6/15-8/25, Under \$800/month preferred, negotiable. We'll rent or pay to house-sit. Call Deborah (719) 389-7730 (after 5/8, (603) 643-4582).

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#### HELP WANTED-

**PART-TIME PERSON** to manage laboratory computer operations for lab of Prof. Eric Davidson. Duties include system administration & computerized sequence analysis. Some knowledge of molecular biology a big plus. Salary negotiable depending on experience. If interested, contact Jane Rigg at x4933

EARN EXTRA CASH. Wanted, person interested in women's issues who has Mac expertise. The OWC will pay you to set our newsletter using Pagemaker. Fee is negotiable depending on experience. Call Gina Morea, x3609.

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The Naming of the Shuttle: The process behind naming the newest shuttle was unique, because it was named by students. In 1987, Congress passed legislation sponsored by Florida Congressman Tom Lewis whereby NASA established a competition for students in grades K-12 to name the shuttle that would replace Challenger. Students not only had to come up with an appropriate name for the shuttle, but they also had to create and submit a classroom project that had to support and justify the name selected.

Over 6,000 schools nationwide participated in the contest. The two winning schools were Senatobia Middle School of Senatobia, MS, and Tallulah Falls High School of Tallulah Falls, GA. Both schools had suggested the name Endeavour, the first sailing ship commanded by Captain James Cook in his voyages of exploration in the South Pacific during the 1760s and 1770s.

stage and sing? Dance? Perform in

a cabaret? Really sell a number to the audience? Now is your chance!

Caltech Theater Arts is holding au-

ditions soon for a Broadway musi-

cal revue. (Not to be confused with

the Caltech Talent Show, which

will hold auditions a few days

tion will consist of an evening of

songs drawn from a wide variety

of Broadway shows and will be

performed in Ramo Auditorium in

October, early in the fall term. It

is designed primarily as a showcase for student performers, and will in-

volve a minimal amount of rehear-

sal until shortly prior to opening.

this is going to be a small-cast show

with an emphasis on smaller num-

bers and smaller rehearsals. We

know you don't have lots of free

time, and we want you to enjoy

working on this revue! Rehearsals

Unlike the big annual musical,

This student-directed produc-

before.)

Did you ever want to get up on

To commemorate this, Dr. Robert Duce, dean of the Universitv of Rhode Island's Graduate School of Oceanography, presented NASA with a sternpost remnaint from the original Endeavour. The artifact will fly on Endeavour's first mission.

Endeavour's First Mission: The first mission of the Endeavour, designated STS-49, is slated for May of 1992. The seven-person crew will be commanded by Daniel C. Brandenstein, a three-mission veteran who is currently serving as Chief of the Astronaut Office at NASA. The mission's primary goal is to retrieve, repair, and redeploy a faulty communications satellite, Intelsat VI.

The satellite was launched in 1990 by a commercial Titan rocket but failed to reach geostationary orbit. The mission will also explore methods of assembly of components in a weightless environment that will be crucial to the construction of the space station.

rehearsals won't start until late

summer (in September), so the

production will not interfere with

the fall term either, since this revue

will happen at the end of October.

just a few weeks into the term. It's

been specifically scheduled to

minimize conflicts with fall term

academics. Come audition! Even if

you will be away for some of Sep-

tember or will have an especially

heavy load in the fall, we may be

by giving you a smaller role.

able to accomodate your schedule

basement of Baxter Hall. You can

posted sign-up sheets in the base-

Auditions will be held Monday

It shouldn't be too intrusive on

**Audition Soon** 

course work this term.

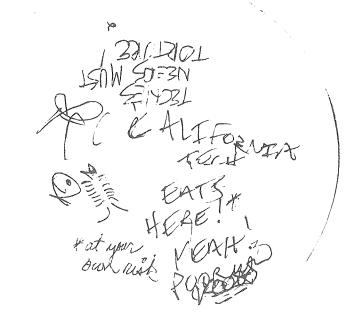
## **Beckman Prize Awarded**

The sixth annual Mabel Beckman Prize has been won by senior Elizabeth Warner. This award is dedicated to the memory of Mabel Beckman, who with her husband Arnold Beckman, supported Caltech as a faculty member, friend and benefactor for over fifty years. The prize bearing Mrs. Beckman's name is awarded annually to a woman student in recognition of demonstrated academic and personal excellence, contribution to the Institute community, and outstanding qualities of character and leadership.

Liz is a senior in Chemistry who has demonstrated her outstanding leadership qualities through her extensive involvement with athletics during her four years at Caltech. Liz captained the 1989 cross country team and the 1990 and 1991 track and field teams. She is also the current record holder in the following women's track and field events: 100 meters, 200 meters, long jump, 400 meter relay and 1600 meter relay.

The California Tech

Liz has also provided leadership and service to the Institute by assisting with new student orientation on Catalina during the last two years. She has been an outstanding student in the Chemistry department and plans to attend graduate school at Stanford next fall.



May 13 through Thursday, May 17 Jed the Fish and the Poorman share their thoughts over pizza with the editors. from 7:30 PM to 10:30 PM in the

sign up for an appointment on the revue, please let us know that too. Any questions? Call Deepto ment of Baxter, or you can just Chakrabarty at 356-6630/795-4152 show up. Please prepare a song for or Roberta Hart at 405-9741. your audition (it doesn't have to be Know anyone else who might be from a show, just something you interested? Bring them along! are comfortable with). Or, if you Above all, come audition!

### would prefer only to dance in our will be FUN and active. Moreover, ninteres

You know what you should be doing? Working on 95? Wrong. Finishing your stack? Nope. Clearing up those E's from first term? Incorrect. You should be getting your teams together for Bigger, Better, Boffo-Bonecruncher Broomball VI, at the Pasadena Ice Rink from 11:00 PM to 6:00 AM Saturday, May 18 to Sunday, May 19. 12 teams and just \$30 per team. Don't forget - the deadline to signup is Tuesday, May 14 at 5 PM at the Y. Get your team together today!

Along with International Day, on May 24, from 4 to 8 PM, FO-CUS (Friendship to Overseas College & University Students) is sponsoring a Square Dance on Friday, May 10, from 7:30 to 10:30 PM. The location is Morrison Hall at Westminster Pres. Church, 1757 N. Lake Ave., Pasadena. For more information, call Jean at 398-0145.

Does dancing interest you? The Y is sponsoring FREE ballroom dancing lessons every Thursday night in Winnett Clubroom #1 (above the bookstore) thru June 6, 1991. The fun begins at 7:00 PM for beginners, 8:00 PM for intermediate dancers and then join everyone for "The Simpsons" on tape at 9 PM !

Concerts, concert, concerts! There are two on Fri., May 10. At noon, the Y presents another noon concert by "Firefly". And then, for a change of pace, at 8:00 PM join Jessica Madow on harpsichord and piano and Rick Wilson playing baroque and classical flutes for an evening of Baroque and late classical music for flute and keyboard. This free concert will be held in Dabney Lounge. More music is available with the purchase of a Y sponsored ticket to a special college

(818) 449-9541

night with the LA Philharmonic, 8:00 PM Saturday, May 11 at the Wiltern. Only \$3.00 !

Fed up with student life? Wish there was more contact with faculty? There are two opportunities to make things better. First, Monday May 13 is the date for the Student Faculty Conference from 1:00 PM to 9:30 PM in Ramo Auditorium. Topics will include the Honor System, Caltech's curriculum and student life. Also, the Y has money available for facultystudent dinners - \$25.00 for each student-faculty pair. So go out and eat up!

Remember, the Y has discount

### **Ridership** Survey from page 2

We all know, however, that the Caltech administration hates to spend money on programs which won't give a return on the investment. That's why the Institute is spending so much money on centennial events and is failing to take any initiative in recycling or conservation efforts. The only way that we, as students, can get the administration to put its heart and its money into programs which are needed but don't pay well is to complain.

Maybe after President Everhart gets a few dozen letters and phone calls, he'll start considering implementation of some of these programs just so he won't be bothered by us any more. If that's what we have to do in order to get something done around here, then I'm willing to do it, and I hope that some of you who read this letter are, too.

> Sincerely, Andy Wells

	today and receive 10% discount (mention)	l
NULL N	ad). (818) 798-8548.	
COLORED IN		

#### TRAVEL-

CANYON EXPLORERS CLUB (since 1972). Backpacking . Peak Climbing . Skiing . Mountain Biking . Bus Touring . International Treks and Tours. CEC is a nonprofit, all-volunteer leadership and membership oriented outings club devoted to wilderness exploration. All trips and outings are run on a share-the-cost, share-the-responsibility basis; leaders volunteer their time and service free of charge. All of our trips emphasize the out-of-doors, natural science and native cultures. The trips vary in difficulty from strenuous backpacking and technical mountain climbing to quite easy hiking, biking and camping out. (Current membership-510.) New members and leader-types are currently being welcomed. Write CEC Newsletter, Dept CT, 12681 Silver Fox Road, Los Alamitos CA 90720.

RATES ...... \$4.00 for first 30 words; ...10c for each additional word. Send written ad with payment to 40-58. Deadline is 6 p.m., Monday before issue. No charge for on-campus lost & found.

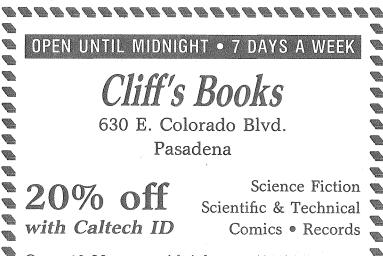
tickets to the Renaissance Pleasure Faire. It runs every weekend until June 9, 1991. It's worth attending.

So stop by the Y on the 2nd floor of Winnet or call x6163 for more information. Oh, and send some mail to Jennifer.

Grad Student, ME







Open 10:30 a.m.-midnight

## The Inside World

Inside World Policy:

All Inside Worlds must include the author's name. Inside worlds can only be written by current undergraduates. The editors reserve the right to edit any or all parts of an Inside World, or to not print it at all. No libelous material will be accepted. It is the author's responsibility to check material written about a person to see if they consider it libelous. 12 4 000112 To1 . . 1

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This Week's Inside World was written by:	Fleming	13	1	000000
Blacker: Noam Bernstein & Walker Aumann	Lloyd	26	15	210306
Ruddock: Jo Ignatowicz	Page	21	3	130004
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	Ricketts	15	9	040004

#### Ruddock

"No...please...dont die.... No! DONT DIE!!!!! YOU SHITHEAD!!!! AAARGGĞHHH!"

Yes, Hans is sitting next to me in the computer room. His eyes are bulging and his face is turning purple. I think he'll start hitting the computer soon. God, is he annoying. Doesn't he have anything better to do than to play Armor Alley all day? HA!! I was right! He's hitting the computer! Psyche.... Anyway, I guess it's not very ladylike to start an Inside World by slamming on a fellow Rudd, but really, he is annoying.

This weekend was SO cool. Okay, maybe I'm weird, but I had fun. The Jamaican Lloydie party was great. The band was awesome, the drinks were delicious and I LOVED the little torches and the bananas. I especially enjoyed watching various Lloydies, yes LLOYDIES, staggering around drunk. I'd love to know whose idea it was to put the coach outside. It was amusing to just sit there, sip my strawberry daquiri and observe Craig passed out on the little strip of sand next to the sailboat while several Rudds such as Delwyn and Chris ran around outside with purple mop thingies on their heads. Nice touch...really.

When the party started winding down, some of us went on top of the Ruddock-Lloyd bridge. If you know me at all, you know that I simply ADORE watching drunk people. Its not really that they make complete idiots of themselves, though it helps. They're just hilarious. John Bomberger and Chris Martin were sprawled out on top of the lounge chairs, quite drunk, screaming obscenities in Spanish at Matt and Andy. Not that I know much Spanish, but I could swear they were yelling things like Pass me your burro and Good night, senorita. Another funny thing was that several people stuck their heads out from 201 and asked John if he could feel his face. Last term, he apparently had a loss of sensation on his face at a party. I remember that party, but as I recall, he just told everyone. Hmmm..... I don't feel STUPID....

Speaking of Spanish, yes ladies and gentlemen, Cinco de Mayo is this weekend! And don't ask me when . . . If you have to, then youre either too dumb or too smart to be here. Anyway, that should be fun! Who says third term is dull? Sunday, the social teams met with Kim West (Hey, Chill out! it was cool!!) at the old MOSH's house. We were kinda embarrased about how little weve done this year and everyone wants to have more and better social events this term (including the administration!) By the way, have you SEEN the old MOSH's house. It's gorgeous-pool and everything. Jack Prater even gets to hang out there... I think Caltech should make it an off-campus Ruddock house.

Hey... the ASCIT formal is coming up AND the Tanning Invitational Cool... Okay, so maybe we Techers like doing things such as freezing roaches and oranges with liquid nitrogen, but were not hopeless ... Hey, I have a pretty nice tan I also have a car, 36 units and no physics... but thats beside the point. Anyway, GET OUT OF YOUR ROOMS AND DO SOMETHING! GO TO THE BEACH! Too much work? Take it to the beach... No car? Well... join the bodysurfing club! (see Dave Ross in Page.) Later...yall.... (couldnt resist.)

#### Blacker

While Fru and Ben were talking, Bittercup jumped overboard, and began to swim away but became frightened when she heard a tremndous yell. "Quiet, Fru, she can't hear the whining." "Oh, sorry." Bittercup then became frightened of the very loud (but not quite 140dB) whining surrounding her. "Do you know what those are, highness? Those are the whining three-toed carnivorous aquatic sloths, and that is the sound they make before dining on human spleen." A sloth

came to the surface, bearing down on Bittercup with its jaws agape. "Does she get killed, huh?" "No, not right now. You're getting kind of excit-ed about this. You know, we can stop." "No, that's all right, you can keep read-ing if you want." "Okay, then, where was I..."

Gary, the large one, pulled Bittercup out of the water. "Ben, I think he is gaining on us." "Pbbffttttt! BOING! It doesn't matter anyway! We've reached the Kitchens of Indigestion. Only Gary's appetite can possibly get through. He will have to go around." Soon afterward, they were on their way, with a man in black following them. "Pbbffttttt! BOING! Only Gary's palate can withstand "You keep saying that. I do not think it means what you think all this chicken." it means." "I don't think it means anything."

When they reached the end, Ben told Fru to stay behind and kill the man in black. Fru agreed, but insisted on giving out earplugs. "If I don't it's over too quickly." Eventually, the man in black reached the end, and stopped to rest before duelling Fru. Fru asked if the man in black had three distinctive scars on his right foot. When the man in black said no, Fru explained his story.

A man who had such scars commissioned his father to build a pair of speakers. "I have never seen their equal," said the man in black. After a year, the man came back to pay for them, but at only one-tenth the promised price. "Listen to the high-end. Hear that crackling? And where's the bass response?" The scarred man biffed Fru's father, and left Fru with the shitty speakers. After a while, with both stereos blazing and Fru beginning to lose ground, Fru suddenly began to laugh. "Why are you laughing?" "Because I know something you don't. You are wearing earplugs," said Fru as he snatched them out of the man in black's ears. "Yes, but I also know something you don't. I had the mute button on." Fru was suddenly knocked down and stunned for hours at the amazing clarity of 5A surplus Cerwin-Vega's. When Ben saw that the man in black was still following him, he took Bittercup from the giant, and told him to finish off the man in black his way. "My way. What is my way?" "Take away all the cereal, ramen, ice cream treats, milk cartons, and make him eat baklava." "My way isn't very appetizing." The man in black came around the corner and suddenly the curtains opened. "I didn't have to do that, you know. I could have sat on you and forcefed you baklava." "So now what do we do." "We put down our weapons and eat the way continued on page 6

#### Rome THE ADVENTURES OF NOAM AND WALKER, **VEEP SPELUNKERS**

Act One, Scene One:

Fade in. Noam is seated in a three legged chair. He is sitting in the lotus position, and is trying to suck a block of Jack cheese through a straw. Walker is standing over a ouija board. His pants are at his ankles, and he is prophecying. Suddenly.

Noam: Ropper room! Noam and Walker begin to twirl and spin about a small statuette of Ozzy Osbourne. Their hands are flailing in tribute and they are screaming. Noam: Ozzy! Ozzy! Ozzy! Walker: Fozzzzzzzzzzzzzzzzzzzzyyyy yyyyyyyy Noam: Fozzy? Walker: Yeah, what about it? Noam: It's Ozzy, as in Ozzy Osbourne, our hero. Walker: I thought it was Fozzy, as in Fozzy Bear, our hero. Noam: Oh? Walker: Oh?! Noam: Oh?!? Walker: HH! Noam and Walker: Zooma Zooma Zoom Zoom, I wanna Zoom with you! Exhausted, they fall to their knees and kiss their ankles. Fade out with a swirling psychadelic/kaleidiscopic effect.

Act One, Scene Two:

Fade in. Noam and Walker are sleeping in their lava lamp bed when, without warning...

Walker: OWWWWWWWWWWWWW Noam (taking off his pink earmuffs): What? Walker: It hurts, it hurts! Noam: What? What hurts? Walker: My head! My head! It hurts! Noam: Not tonight, Walker, I'm tired. Walker: I'm serious! It really hurts! Noam pushes a penlight deep into Walker's Unlit Cavernous Cranium Noam: I think I see somthing. Walker: What? Noam: I don't know. It looks grey. Walker: Fuck it. Noam (excited): What? Walker: Oh, I mean forget it. Let's smoke tinfoil. Noam: Ok Three days later Walker sneezed out the foreign body. The clinic said it looked like brain. Walker said he didn't know how it got there, but he was glad that it was gone.

Act One, Scene Three:

Fade in. Noam and Walker are exchanging wedding vows. Their friend is present.

Noam: In sickness and in health, till death do us part. Walker: In sickness and .... Noam (whispering): In sickness and in health, till death do us part. Walker: Oh yeah, In sickness and in health, till . . . (whispering) till what? Noam (stern whisper): Till death do us part. Walker: Oh, In sickness and in health . . . until we party with the Dead. Preacher: Good enough, you may kiss the bride. The lights dim. Spotlight on Noam and Walker. Noam is dapper and dashing in his rented velcro tuxedo. Walker is radiant and glistening, his luxurient hair blowing in the breeze. Preacher (prodding): You may kiss the bride? Noam: ... where? Walker (grabbing Noam): Give me some, you big love cookie! Noam grabs Walker's breakaway miniskirt and begins slobbering in his ear canal. Noam (stopped slurping): Waxy! Fabric tears, fluids fly, and the camera vomits. (Note: To get a copy of Noam and Walker's wedding send \$19.95 + S&H to.

Rear Entry Videos, Inc.

CalTech

Blacker House 1-60 Room 5a

Pasadena, CA 91126)

Act One, Scene Four:

Segemented frame fade in. Noam and Walker are racing giddily through the Pasadena petting zoo. They both come to a stop, Walker tripping over Noam.

Noam (sticking his hand into a cage): llama (pet) llama (pet) llama llama llama (pet) I love my little llama (pet) Unfortunately it was not a llama, not even close. Llama?: Hey quit it!...(recognizingly) Walker ... Walker Auman? Walker: ... Mom? Mom: Yes, its me mother. Walker: How's it hangin' Ma? Where've you been? We bin lookin for ya. Mom: I've been right here at the zoo, making money the only way I know how. Noam: Oh shit! I've got a rash! Your mother gave me a rash! Mom: That'll be three dollars. Cut to camera three. Aerial pan out.

Act One, Scene Five:

Pan out from Walker's vacant left pupil. Walker: Hey! Get that camera outta my face! Noam rushes in. He is in a hyperkinetic frenzy, and is clutching ballot results. Walker: What is it? What is it? Goddammit, slow down! Noam (at 25 kilohertz): We won! We won! Walker (his ears pricking up): We won? Didi (in a scooby-doo like ruffing language): They won? Cali (in dog-Latin): Shit!

Dogs everywhere are distrught. Some sigh. Some cry. Some jump off bridges. But most buy guns and pray to Vaulthuma, the doggie god of payback

Walker: We have so much to do, so much to accomplish. Oh my gosh, I'll need a new dress. Noam: Yeah, we have alley ordering to do, and the Ass-Tea. Walker (excited): Ass-Tea? Noam: Never mind, let's do alley ordering. They toss a pack of bingo cards on the floor, drop their pants, and begin the ordering. Fade out with a tight shot of the light switch.

ily. Noam (embarassed): Fly? Where? What fly? Walker: You dirty prick! We had a deal. If one of us gets a fly, flea, or small-to-medium-sized rodent, we split it 50/50. And you broke our deal. You violated that trust! Noam: Oh Walkie. I'm Sawwy. Walker: I'm serious Goddammit! I'm pissed (cracking) I really am. Noam (pouting): Don't be mad at me. It's not like you. . . my little headbanger. Walker: Oh Noamie, how could I be mad at you. They embrace. Noam: (Smooch smooch smooch) Walker: (Smooch smooch suck suck bite) Noam (abruptly): Stop it! Walker: What? Noam (behickied): Stop it! Walker: You know you want it. Noam (slapping Walker): Hey, I'm not that kind of faggot! A few months later Noam filed for divorce, on the grounds of mental cruely. He is seeking custody.

Act One, Scene Seven:

The situation is one of dire desperation. Walker is wearing an oversized tool belt filled with plastic hammers and wrenches. He is trying to pry open the side of the coke

machine. Noam's hand is protruding from the change slot. Walker (shouting): I'll get you outta there in a minute. Hang on man! Noam (muffled): Hurry man! It's cold! Fru: Hey Noam, can I have a sprite? Walker: Fru, beat it we're busy. Fru: Ok Walker (whisper): Noam, can I have a sprite? Noam (shiver): No! Get me out you prick! Walker (pulling out a wallet filled with crisp monopoly money): Noam, can I have change for a dollar? Noam: What the fuck for? Walker: For my sprite. Noam curses, and Walker races off to get change. Walker is distracted by a birdbath, and fails to return. Fru (thirty five cents in hand): I like sprite. It's limony! Cameraman: Ok, hurry it up. Tape costs money. Fru: Ok Fru drops in his money, and waits for his drink. One hears the clinking of change, and the distinct sound of an exploding kidney. Walker is off in the woods, sprinkling himself and playing with the birdies, when suddenly... Walker (psychically): I hear you Noamie. I'm coming! Walker returns 11 days later (afterall it was a 50ft walk) and asks about Noam. No one has seen Noam, but they all say that they like the Dr. Pepper. Walker blacks out.

Act One, Scene Eight:

Fade in on the Swamp computer room. Slow pan across the room, ending with a fixed shot of the door. Mumbling is heard outside the door, and the sound of someone frantically pushing buttons on the door lock. Three weeks pass, and suddenly

Noam: Wait! I'ts not locked! Walker (opening the door): I knew that, I knew that! They enter the room, and proceed to the laser printer. Noam: So what's wrong with it? Walker: I dunno. I think its busted. Noam: Let's see how badly its busted. Noam opens the side of the printer and shoves his head inside. Noam: Hand me my light. Walker: Here it is, O Greysprint, eater of discarded chewing gum. Walker takes a torch off the dungeon wall, and hands it to the gnome magic user. Noam: Thanks Walker. Walker is miffed by the fact that Greysprint has refused to use his real name, Trakastus, god of the cheap concert teeshirt. Noam: I think I've got it. Now, when I say to, throw the ... Walker, on command, throws the switch. A nasty grating noise is heard, followed by the usual Hebrew epiphets, and the sound of a pierced gallbladder. Soon the laser printer begins hummning and churning, and the sweet smell of toasting flesh fills the air. Then, suddenly, and with much violence, the printer coughs out a cloud of printer paper. The piece of paper closest to Walker slowly floats to his feet. There is writing on in.

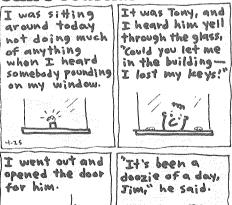
Noam

ff Walker! ff You fucking idiot! ff Help me!

Reading this message snaps walker out of his foetal position trance, and he gleefully runs off to his room to get crayons and finger paste (you know, the kind you can eat). Fade out with flourish and fanfare.

End of Act One

#### **Jim's Journal**



Act One, Scene Six:

Fade in. The BTE closet is dimmly lit by Walker's battery- powered testicle. Noam and Walker are stumbling around, tripping over one another and themselves. In the soft glow Noam spots a fly. Walker is distractedly grooming himself, and Noam greedily fails to notify Walker of the presence of the flittering delicacy. Noam, in a sudden burst of energy, lunges for the darting treat.

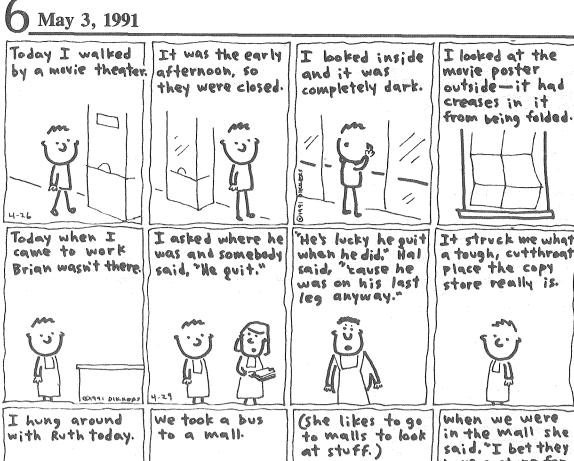
Walker (spotting the escaping lunch): A fly! You bastard! Noam crashes through the door, letting the fly loose. Noam's lips are smacking uncontrollable, and he is salivating heav-

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## May 3, 1991



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said. "I bet they

have a store for

everything here."

### The California Tech

Blacker

#### from page 5

God intended." "You mean you put down your baklava and I turn off my stereo, and we dine like civilized men?" They sat down and began to dine. Gary ate plate after plate, while the man in black, seeing how dinner was going, sent everything away as dinner messages and tipped the waiters heavily. He was soon

on his way after Ben. Shortly thereafter, the man in black caught up with Ben, who threatened to contrive for Bittercup and then decide. The man in black, confused, stopped immediately.

You bested the Fru, so you must be very loud, but you also bested my fatman, so you must have gastric fortitude. I am no match for you physically, and you are no match for me mentally."

"Very well then, I challenge you to a battle of wits."

"I accept."

"Very well, produce the bells. Okay, lift this."

"Ack, it spilled all over."

"What you have spilled on your lap are very young small early peas. They are odorless, tasteless, and completely impossible to see inside a bell. The battle begins when I hide the peas and ends when you pick a bell and we lift. Okay, begin.

Well, it's very simple. You obviously know peas. Therefore, you'd put them in the bell in front of me. But, since you know peas, you must obviously know Stephanie, so I can clearly not choose the bell in front of me. But, Stephanie lives in Tunnel, so I can clearly not choose the bell in front of you." 'That's it then?'

"No, it's vastly more complicated than that ....

After a time, Ben decided and they both lifted. Ben was aghast to see peas under both bells. The man in black quipped, "Ha, I spent the last three years on an island developing an immunity to Maxwellisms." "Peas know death is cool," said Ben with his dying breath.

"He's dead! Awesome!" exclaimed Dexter. "Shut up, or I won't approve an underload senior year," answered Dean Brennen.

The man in black dragged Bittercup off, fleeing from the pursuing party "The prince will find me and beak you.'

"So your true love will come to save you," he dripped with sarcasm.

"I never said I loved him. I know who you are, you're the Dread Prof Koonin." "At your service, highness."

"You killed my love."

"Possibly. I kill a lot of people. By the way, did you get engaged to your prince that day, or did you wait a week out of respect for the dead?" "I died that day. You mock my bitterness."

"Life is bitterness, highness. Anyone who says differently is part of the conspiracy.'

"You can just die a horrible slow painful death," she exclaimed as she kicked 

"Oh, my sweet dog boy."

They tumbled down the slope together, and reached a halt at the bottom, and ran to the Fire Hovse (o' da Munth). They walked in and heard a sputtering sound. They dodged just in time to avoid a burst of flat Coke shooting up from the ground. It landed on a nearby tree and ate a hole in it. As they continued wandering, dog boy explained how he had escaped Koonin.

"You see, it's all in the name. No one would be afraid of the Dread Professor Dog Boy, and besides, no one shows up to lecture to notice the difference anyway.

As he finished his story, Bittercup was sucked into a pit of Technopop sand. Bevan quickly put on his headphones and dove in after her while the opressing,

# what goes on

Submit announcements for What Goes On on forms available outside the Tech office (SAC room 40A) and in the copy/mail room (SAC room 37), or use a plain piece of paper. Send announcements to 40–58, or put them in the IN box outside the Tech office. Indicate the date(s) the announcement must run. Announcements for the current issue must be received by 5 pm Tuesday and should be shorter than 75 words. Announcements will be published as space becomes available and will be chosen according to size and interest to the Caltech community. Announcements for commerical events unrelated to Caltech will not be published.

#### Caltech Ultimate

LAY OUT !!! The Caltech Ultimate Machine is at long last forming with hopes of participating in Ultimate tournaments throughout the Southwest. We encourage all disc-hucking undergrads to come practice with us on the north athletic fields Tuesdays and Thursdays from 4-6 PM. See ya there!!

Auditions for Broadway Revue A student directed Broadway revue welcomes all singers and dancers. Auditions to be held Monday, May 13 through Thursday, May 16 in the basement of Baxter Hall from 7:30 to 10:30 pm. Please prepare a song. For more info call Deepto x6330 or Roberta 405-9741.

#### **Online Schedule of Classes**

The Caltech schedule of classes, as published by the Registrar's office, has been added to the online INFO system, accessible via CITnet. A write-up on using the INFO system is available from the CCO Consulting Office, 162 Jorgensen.

International Folkdancing The International Folkdancers meet in Dabney Hall Lounge every Tuesday evening all year round. Folkdance classes start at 7:30 pm each Tuesday. Open dancing starts at 9:00 pm. On Tuesday, February 26th, Greek dance instructor Joe Graziosi will be teaching, so put that on your calendar now! No experience is necessary. All are invited to attend.

#### Let The Games Begin

Every Friday night, the Caltech Gamers meet to enjoy role-playing and board games. Friday meetings are in Winnett Clubroom 1 or in Rm. 33 of the SAC at 8:00 pm. Meet others who share your interests. All welcome! Most common Friday games are fantasy role-playing, but it's a good time to find players to share whatever games you like.

#### Folk Dancing On Campus

The Caltech Folk Dancers invite you to come and join us for folk dancing on Tuesday nights in Dabney Hall Lounge. Dances are taught from 7:30 pm to 9:00 pm, with dancing from 9:00 until 11:30 or midnight.

#### AT&T Awards

On Friday, April 26, the seventh AT&T Research and Development Awards of \$500 each were presented to four Caltech Undergraduates. AT&T dontated this money to recognize sophomores and juniors in the Division of Engineering and Applied Science for academic excellence and service to Caltech and the community. The awards were presented over dinner at the Athenae-um by Mr. Alex Gillon and Ms. Janet Konopka of AT&T to: Dan Frumin, Aimee Smith, Sayuri Desai and Chris Ho.

#### Gay, Lesbian Discussion Group

The Gay, Lesbian, and Bisexual Discus-sion Group meets the first and third Tues-days of each month from 7:30 to 9:30 PM in the Health Center. This confidential meeting is open to all members of the Caltech community. The first hour is devoted to discussion of a specific topic, and the remaining hour is open for general conversation and socializing. Refreshments are served. For information please call 356-8331. On May 7 there will be a short presentation on some psycho-social models of gender development. Discussion will follow.

Flutes and Keyboards Jessica Madow and Rick Wilson will present a free concert of baroque and late classical music on Friday, May 10 at 8:00 PM in Dabney Lounge. The first half of the program features early 18th century music of Bach, Scarlatti, Telemann and Boismortier for one-keted flute and harpsichord; the second half concludes with music from about 1815 by Ries, Kuhlau, Tomasek and Schneider for 8-keyed flute and piano. The performes are associated with the mathemat-ics department. Sponsored by the Caltech Y.

#### Japan Film Series

A series of classic Japanese feature films will be presented by the Caltech Film Program as part of its spring 1991 series. These works will be screened on Monday nights at 7:30 PM in Baxter Lecture Hall. All the films will be introduced by Professor Robert A. Rosenstone, who will also lead post-film discussions. Shown as part of H 161: The U.S. and Japan, the films - like all CFP programs - are free and open to all mem-

bers of the campus community. May 6: Ugetsu (1953). Director: Kenji Mizoguchi. A poetic tale of humble men who dream of riches and military glory, and the havoc such aspirations wreak upon their families. A beautiful and deeply Buddhist approach to warfare, ghosts, and ambition, by a director considered by many natives to be the most Japanese of all filmmakers in terms of aesthetics and philosophy.

#### Immigration Act of 1990

On October 27, 1990, Congress passed the most significan reform of the legal immigration system of the United States in nearly 40 years. Known as the Immigration Act of 1990 the law was signed by President Bush on November 29, 1990. Most of the provisions of the Act take effect on October 1, 1991, the beginning of the next federal fiscal year.

To help foreign students and postdoctoral scholars understand the Act, the Caltech Immigration Office is sponsoring a presenta-tion by Ms. Josie Gonzalez on May 8 in Baxter Lecture Hall from 4 to 6 pm. Jose Jonzalez practices immigration law in Los Angeles. She is on the Board of Governors of the American Immigration Lawyers Association and is past president of the Im-migration section of the Los Angeles County

#### **SEPP Seminar**

Professor Allan Franklin from the Department of Physics at the University of Colrado will be giving a seminar titled "The Roles of Experiment" Thursday, May 9, at 4 PM in the Judy Library, Baxter Lecture Hall. Refreshments will be served.

#### Maria Magdalena

The German Film Studies for 1990-91 will show Maria Magdalena on Thursday, May 9 in Baxter Lecture Hall at 7:30 PM. Friedrich Hebbel's classical drama was projected into the present by director Fran Xavier Kroetz.

# scholarships

#### Merit Awards for 1991-92

Each year, the Scholarships and Finan-cial Aid Committee awards a number of Merit Awards to the most academically talented of the Institute's Sophomores and Juniors, and in special circumstances, Fresh-men. Merit Awards are based on outstanding scholastic achievement as demonstrated by exceptional performance in formal classes and/or in independent research, and not on financial need. Last year, the Committee recommended 41 Merit Awards of full or three-quarters tuition and six honorable mention awards of \$3000 each. The level of awards this year will be determined by the caliber of applicants. Applications are available in the Financial Aid Office at 515 S. Wilson. The deadline for submitting completed applications to the Financial Aid Office is 5:00 рм on May 3, 1991.

#### Scholarship Listings

The Financial Aid Office has applications and/or information on the following scholarships. All qualified students are encouraged to apply. Our office is located at 515 S. Wilson, second floor.

The Society of Women Engineers is offering six scholarships for the 1991-92 Freshman Program and one scholarship for the Reentry Scholarship Program. Applications, including supportive material, must be postmarked by May 15, 1991

If you have any questions, please come by the office or call x6280.

Summer College Work-Study Information and applications for 1991 summer college work-study are available in the Financial Aid Office. If you are interested, please submit the required application as soon as possible, but no later than May 31, 1991. Your entire financial aid application must be complete by May 31 to be considered. The award determinations will be announced as completed applications are reviewed. If awarded, the work-study funding will begin with the July 8th payroll period.

#### Harry S Truman Scholarship The Harry S Truman Scholarship Foun-

dation awards scholarships to juniors who have outastanding leadership potential and intend to pursue careers in public service. If interested plese stop by the Dean of Students Office, 102 Parsons-Gates for more information, Deadline is December 2, 1991.

#### **Green Hills Software Scholarship**

May 3, 1991

The Green Hills Software Corporation has announced the availability of \$5,000 Computer Science Scholarships. These renewable scholarships are to be awarded to juniors and seniors with an interest or ex-perience in computer science. Additional-, juniors selected to receive the scholarship will be offered the opportunity to receive a \$6,000 summer internship prior to their senior year. The Green Hills Scholarship is based solely on academic performance with no regard to financial need. The deadline for submitting the Green Hills Scholarship application is May 3, 1991. Applications are available at the Financial Aid Office, 515 S. Wilson, and the Deans Office, 102-31.

#### **Don Shepard Essay Contest**

Submit your creative, LEGIBLY WRIT-TEN, and informative essay to the MOSH's office by May 10th so we can read about your dreams and hopes. If you're willing to work a little, you may actually win a sum of money to do them. If you don't try, you'll never know if you could have won. (You can actually win up to \$1000.) So don't miss out, take a chance on something exciting, and get away from Tech for the summer!

SIF Disbursements The Caltech Student Investment Fund will be giving away money to clubs for the purchases of equipment. Equipment that you want to buy must be of a long term nature. If you are interested, you can obtain an application form from either our Chairman, Chris Assad (x6818) or our Treasurer, Tal Schwartz (578-9652, 228 Page House). The completed forms should be mailed to SIF, 142-58, by 5PM, May 14. Applicants will be told of the results within three weeks of this date.

#### **Ebell of Los Angeles Scholarships**

The Ebell of Los Angeles is offering undergraduate scholarships for the 1991-92 school year. The amount of the scholarship is \$3000 per year paid in monthly checks, September through June. In order to apply, students must be U.S. Citizens, L.A. County residents, have at least a 3.25 GPA, and be attending an approved college in Los Angeles County. L.A. County residence may be proven by in-school attendance. For more specific information on requirements and application materials contact the Financial Aid Office. All applications and materials are due in the Financial Aid Office by 5:00 рм Мау 17, 1991.

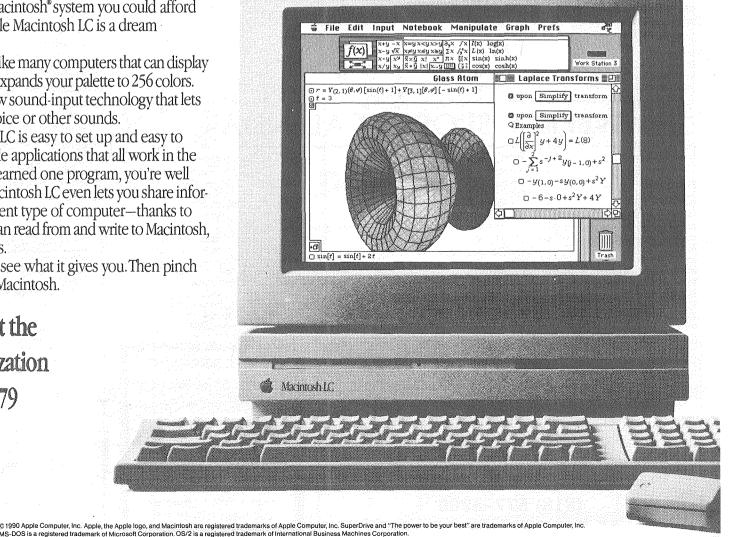
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## **Club Soccer Wins SoCal Collegiate Title**

#### by Flavio Noca

Extending their dominance over Southern California's soccer competition, the Caltech Soccer Club won the championship of the Southern California Collegiate Soccer League in a dramatic 1-0 final against UC Riverside last Saturday.

The game culminated a season in which the Caltech team overcame a series of early ties and losses to surge ahead for a set of victories late this spring, beating Cal State Long Beach by 3 goals to 1 and thrashing USC 7 - 1.

In the championship game played at Riverside on a hot afternoon, the play went end to end at a sharp pace with both teams advancing the ball well and both coming up with scoring chances. The first and only goal of the game came about 30 minutes into the first half when left back Scott Josephson took a free kick and sent the ball towards the goal mouth where it was rejected with a header by a Riverside defender.

Rolling free near the half line, the ball was settled by Caltech's right back Dick Whittington who again crossed the ball towards the goal mouth where a charging midfield player, Mark Drinkwater, headed the ball sharply into the left corner of the net past a diving goalie.

Two fans, one coach, and one substitute cheered, two dogs ran around unsettled by the brief excitement, while everpresent automobiles drove by on a major boulevard next to the pitch, their drivers unaware of the momentous occasion that had just passed.

Over the course of the game, Caltech exerted a surprising strength on the ground and in the air, relying on halfback Pahdraic Smyth and center half John Josephson who won the fifty-fifty headers with regularity.

In the second half of the championship game, Riverside attempted to re-assert their strength. Riverside players pressed hard for the equalizer, sending their backs forward and engaging in rough

VER. All AV RECEIPTER DESIGNER DOM ANY HEAT

Caltech's sweeper Michael Keating and stopper Todd Small met the challenge, although captain Flavio Noca was injured by a knee to the thigh on a flagrant foul. He was briefly replaced at forward by Christian Noiroux, but Noca walked off the injury and returned to the pitch.

Riverside had a clear chance to even the score when late in the second half, their star forward who played briefly with the English professional team Arsenal, broke free and moved towards the goal unmarked. But in a brilliant, gamesaving play, Caltech goalie Petros Koumoutsakos rushed out of the goal and deflected the forward's shot to the left side of the goal.

Stomachs of two fans, coach, and substitute recovered many minutes later. Two dogs accompanying the two fans panted in the heat and seemed unconcerned.

A Riverside player was then ejected with a red card for hacking a Caltech defender at knee-level, and forwards "Sam" and Art Del Castillo took the game to Riverside in counter-attacks late in the second half that threatened to put the game out of reach and re-asserted Caltech's control of the pitch.

As the match wound down to the final, interminable minute with the referee checking his stop watch repeatedly and Riverside failing in a last, desperate attack, the referee finally blew the long, slow whistle that signalled Caltech had become league champion.

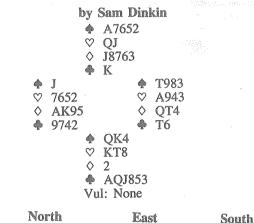
Over the course of the season, the Caltech team started out slowly, and progressed steadily in all aspects of the game as a group of intelligent, strong-willed athletes learned to play as unit. A person responsible for this progress is coach Bill Girdner who has accepted the coaching task as a volunteer and has met the challenge with great success.

The Caltech team has yet one last peak to climb, as it has just reached the final of the San Gabriel Valley league as well. So, stay tuned!



Sam Dinkin enjoys a solitary hand of bridge atop DEBMDHoHaSS.

# Dinkin's Bridge Editorial



West North East 1 & Micro-Roman 1 & Hamilton 2 Stayman 2 ♦ Jacoby Competitive Pass Bad 2 ♡ 3NT Hamman\* Pass \*If 3 NT is a legal bid, bid it, it ends the auction. Opening lead: K♦

In December 1967, Engineer-

ing and Science featured Governor

Ronald Reagan speaking at the

Ambassador Hotel to kick off the

Science for Mankind development

campaign. In that issue, we see for

the first time a model of the new

Court of Man flanked by BLoBB

and DEBMDHoHaSS. One score

and four years later, the ex-

governor's successor is going to

himself in Palm Springs or skiing

if there is still snow anywhere in

Location

Caltech

Redlands

Redlands

Redlands

LaVerne

Redlands

Occidental

Caltech Pomona-Pitzer

Caltech

Pomona-Pitzer

Caltech

TBA

TBA

While John Sununu is sunning

speak in that Court.

Pass

the country, George H. W. Bush will give the Commencement address to the graduating class of 1991. As Dr. Everhart said, he came in with this class and wants to see it off with a bang. My hat is off to him on this one.

Penalty Double

2 Strong NT

Pass

President Tom's motives are clear, but I wonder why lonesome George is coming to Southern California. What party parties will President George attend and will the party pay for it? My other question is would the President be speaking in South Carolina if the new fighter contract had gone to a California company? This is a rough time for California; Long Beach, Castle, Moffett, and other bases are closing. I think some pieces need to be picked up.

Enough looking backward. Caltech is the home of the multicomputer and the human gene. If HW takes the advice of the NSF, there will be twice as much money available for Caltech from the government in a few years. In the time, the education President should talk to the education Governor about keeping the doors open dollars. in Richmond, CA, schools.

Today's hand was bid at adjective bridge and played at mighty deuce. Adjective bridge allows the bidder to add one adjective to each bid to further describe the hand. Mighty deuce is played like normal bridge except that when an ace is on a trick, the two-spot is higher than the ace. If the ace is not on the trick, the deuce loses as usual.

After the auction that will not be explained, the play went king of diamonds, three, four, deuce. The deuce gave away the position of the queen. If south had the queen and the two, she would have pitched the queen to stop the suit a trick earlier. So west led the five of diamonds to east's ten. East cashed the queen and paused to count the hand. If south has a strong no trump, she can be missing at most one jack. Let's recreate the argument, "There is no other hope for the setting trick because either black jack will give south the contract. If partner has the spade jack, south has a bunch of club tricks. Unless west has the jack and deuce of clubs so declarer can only take one club trick if his heart entry must be used to unblock the spades. But wait, if south has the deuce of hearts she can lead the deuce of hearts to the queen and she would have to win the trick whether I play the ace or not. Hence to beat this contract partner needs the deuce of hearts.

After the pause, east banged the ace down on the table. West was not asleep. She overtook the ace with the deuce and cashed the ace of clubs for the setting trick. If west does not take the trick, declarer will unblock the king of clubs, cashing queen and jack. West would be squeezed in one suit. If west throws the deuce, the ace will take the nine. If west throws the nine, the eight will take the deuce, for making three and minus four

	WEEKI	LY SPC	DRTS	RESU	LTS	1994) 1
DayDateFri.Apr 19Sat.Apr 20Fri.Apr 26Sat.Apr 27Wed.May 1Wed.May 1	Sport Baseball Baseball Baseball Baseball Tennis (M) Tennis (W)	Opponent Occidental Occidental (2) Claremont-Mudd Claremont-Mudd (2 Redlands Redlands	2)	Results 4-7 4-19, 5-14 1-18 0-19, 3-24 0-9 1-8	ny kanala di mila (yy y tyreyddy ar ywdody di d	

## WEEKLY SPORTS CALENDAR

Day	Date	Time	Sport
Fri.	Apr 26	3:00 pm	Baseball
Sat.	Apr 27	11:00 am	Baseball
Mon:	Apr 29	7:00 am	Golf
Wed.	May 1	2:00 pm	Tennis (W)
Wed.	May 1	3:00 pm	Tennis (M)
Fri.	May 3	All Day	Tennis (W)
Fri.	May 3	All Day	Tennis (M)
Fri.	May 3	3:00 pm	Baseball
Fri.	May 3	4:00 pm	Track
Sat.	May 4	All Day	Tennis (W)
Sat.	May 4	All Day	Tennis (M)
Sat.	May 4	11:00 am	Baseball
Sat.	May 4	4:00 pm	Track
Sat.	May 11	5:00 pm	Track
Sun.	May 12	TBA	Track

GOLDEN

Opponent Claremont-Mudd Claremont-Mudd (2) SCIAC Championships (36 holes) Redlands Redlands SCIAC Tournament SCIAC Tournament LaVerne SCIAC Championships SCIAC Tournament SCIAC Tournament LaVerne (2) SCIAC Championships Oxy Invitational Caltech Open Heptathlon

Claremont-Mudd





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