

Volume XCIV, Number 24

Pasadena, California

Friday, April 23, 1993



photo by Anoop Singh

Prefrosh from around the country enjoy their chicken at the Saturday picnic catered by El Pollo Loco. Over 200 prospective students spent Thursday to Sunday at Caltech for the annual Pre-Frosh Weekend.

## Sex, Brains, and Hands

by Adriana Lozano

Last Sunday, Dr. Diane Halpern delivered a Skeptics Society lecture in Baxter Lecture Hall, entitled, "Sex, Brains, and Hands." Dr. Halpern, a member of the department of psychology at the California State University at San Bernardino, explained how her research in cognitive psychology and the psychology of women has led her into controversial research.

"It seems that almost everyone is interested in this topic which is probably why I have received so much press coverage," she said. She also expressed the downside of "science bypass release," which is "dominated by calls from the press who are more interested with meeting a near deadline than understanding complex issues, name-calling, and misleading headlines that have more to do with selling newspapers than they do with the content of the articles."

Nominations are still open for the following ASCIT-appointed offices:

- Coffee House Users Group Representatives
- Election Chairman
- Publications Darkroom Chairman
- Totem Editor
- Activities Chairman (ASCIT Movie director)
- Big T Editor(s)
- Big T Business Manager

Sign-ups are on the East side of Winnett. Sign-ups are also open for two undergraduate spaces on the Search Committee for a new Assistant Vice-President for Student Affairs.

Halpern feels like "a dentist who unexpectedly hits a nerve while drilling in the mouth of a sleeping giant." She said that there are few areas of research that have generated as much debate in psychology as the notion that cognitive abilities are related to one's sex or lateral preference (right- or left-handedness). One of her concerns is that the empirical conclusion that there are systematic sex and laterality differences in cognitive ability will be misused—for example, to justify discrimination or affirmative action based on one's sex or handedness.

Halpern said that she "had planned on showing the weakness of the evidence in support of biological bases for any of the differences and to argue that the differences were small and fragile." However, after analyzing research articles on sex differences in cognitive ability, she found that the biological data was in fact essential to the matter in question. When asked whether there are sex-related differences in cognitive abilities, she answered, "It depends." Whether sex differences in cognition are found depends upon several variables. First, it depends on the specific cognitive abilities that one examines. A majority of the literature in this area has investigated differences in three cognitive domains: verbal, visual-spatial, and quantitative abilities. Halpern ar-

gues that these terms are "category headings or general rubrics" used for organizing and studying cognition and not "unitary concepts."

Halpern concluded that whether or not sex differences are found depends upon "the ability being assessed, the type of test given, the nature of the subject pool, and numerous other factors." She believes that, although the answer to the question is yes, that this short answer does not do justice to the literature because there are so many test that do not show these differences. This

is because sex differences are most reliably found at the extremes of the mental abilities distributions. She asked us to consider the "distorted version of the results" supplied by newspapers, radio shows and weekly new magazines of the highly-publicized findings of Benbow and her colleagues concerning children who score extremely high on the mathematics portion of the SAT. Benbow has found that this mathematically-gifted sample of young people is disproportionately left-handed.

Halpern explained that there are disproportionately more males at the low end of the cognitive abilities distribution, with males overrepresented in some categories of learning disabilities and retardation. The low end of verbal abilities provides a clear example: stutter-



Dr. Diane Halpern

## Wernicke On Quakes

by Chris DuPuis

On April 20th, Dr. Brian P. Wernicke presented a Watson Lecture entitled, "Southern California's Faults: Lessons from Landers and the Basin Ranges." The lecture dealt with the mechanics of the plate tectonics that drive the seismic activity in Southern California.

Dr. Wernicke, who has devoted several years to the study of extensional tectonics in the American Southwest, began by discussing the actual effects of the Landers earthquake. This event was unusual in that, unlike previous large earthquakes which had occurred along a single fault, the Landers quake involved plate slippage along several different faults, with each one contributing a component of the final energy released. He also pointed out that Caltech's Terroscope, an advanced broadband seismometer project, was able to get a reasonably accurate measurement of the total displacement along each fault from the analysis of seismic data, and that these calculated results showed a close relation to the results obtained from field measurement of displacement as expressed in ground slippage.

He elaborated upon his displacement figures by showing some photographs of the effects of this displacement, including offset highways, shattered houses, and an electrical tower which had a fault trace with 2.5 meters of horizontal offset running between its legs, which were twisted crazily.

Wernicke went on to discuss the possibility, raised by a group at Stanford, that the Landers earthquake of last year and several other earthquakes that have been recorded east of the San Andreas Fault may represent the birth of a new major fault east of the Sierra Nevada. He admitted that this was certainly possible, since it would take on the order of millions of years to determine whether or not such a fault is forming, but he did not really give any credence to the idea. This "new fault" had been proposed from the study of seismic data while no fault break had been seen. This led Wernicke to remark that geophysicists and field geologists have different definitions of a fault: a field geologist defines it as a surface along which significant displacement can be seen, while a geophysicist defines a fault as two earthquakes connected by a ruler line (ba-dump-boom).

## David Stevenson Elected Royal Society Fellow

by Caltech Public Relations

Planetary scientist David Stevenson was elected last month to fellowship in Britain's Royal Society, an independent learned society founded in 1660 to promote the natural sciences, including engineering and medicine.

Election to fellowship in the Royal Society is recognized worldwide as a sign of the highest regard in science. Fellows are chosen for their contributions to science, both in fundamental research and in directing scientific progress at industrial and research institutions. Fellowship is restricted to British and Commonwealth citizens or residents.

The society cited Stevenson for his studies of the chemistry and physics of planetary interiors, es-

pecially the behavior of hydrogen-helium mixtures at high pressures, such as exist within giant planets. His studies of brown dwarf stars have developed a link between stellar and planetary physics, and he also has proposed explanations for the nature of several observed planetary magnetic fields.

Stevenson, a professor of planetary science and chair of Caltech's Division of Geological and Planetary Sciences, grew up in New Zealand, where he retains citizenship. He earned his bachelor's and master's degrees from Victoria University in New Zealand, then came to Cornell University to study for his Ph.D., which he earned in 1976. He joined the Caltech faculty in 1980, and has served as division chair since 1989.

## The California Tech

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# letters to the editor

## Objectivism, National Service

There are two things at issue in the past letters to the editor. First is the nature of Clinton's national service plan. Second is the value of Objectivist ethics, in particular the selfishness for which it calls.

Regarding the first topic: Both Mr. Anderson's and Editor Benedetti's previous letters make the point that Clinton's plan is as legitimate as any instance wherein the government provides compensation for labor it receives. However, this point neglects the philosophical principle to which this plan is appealing. You did not hear Clinton advertising "Jobs Available," you heard him making a "call to action," urging us to participate in a "Summer of Service." Hearing the president asking us to serve our communities and hoping that we do not "measure our success in the accumulation of material things" should give everyone a moment's pause. Throwing in tuition credits for this service does not legitimize this act. Rather, it is the institution of the policy of people working for the State and the State providing for the people's needs. Surely by now we should all understand what this policy constitutes and why it will not work (see newspapers for endless examples). What must not be overlooked is whether the State has any right to be offering these jobs and if it is proper for the State to discussing "national service." The actual *contract* that will be accepted is the current one of "service for tuition," but the *philosophical principle* that will be accepted is that it is good for people to engage in national service. From this it is a short step to compulsory service (even now there are many public school systems that require public service to graduate from high school).

As for Objectivist selfishness: Mr. Echols correctly responded to Mr. Pejic's mistaken belief that this was essentially a "Gimme what I want and everyone else go to hell" attitude. Relying on others for the satisfaction of your desires is a risk

a truly selfish person (i.e., a person serious in pursuing his personal interests) would never take. Benedetti uses a person-in-hole-dilemma to make his essential point that it would be impossible to live perfectly selfishly. The apparent dilemma arises only because he fails to consider his long term, full-contextual self interest: if I fell into a pit and needed help to get out, I would ask for that help because I value my life. If I saw a person in a pit needing my help, I would help him precisely because I could at sometime be in a pit needing help and thus I benefit by fostering a common sympathy to a person in such a predicament. Would I help a stranger if it meant that I would probably die? No. Would I help the man if he had five minutes earlier pointed a gun at me and demanded my money? No. Would I help him if he demanded that I do so? No, because he is the same in spirit as the man with the gun. A similar argument solves all such "dilemmas" because the truly selfish man thinks (and then acts) rationally and full-contextually.

Andrew Zug  
Caltech MB 881  
577-2772

## Selfishness Opposed

I have often remarked, without fear of contradiction, that nobody admires selfishness. I am only a priest, not the Pope, so I guess I had to expect it: I'm not infallible. It had struck me in the past that, among its many distinctions, Caltech can probably lay claim to a higher proportion of atheists and agnostics than any other institution in America. Now it turns out that it also harbors an extraordinary number of apologists of selfishness. Being Techers, they profess what appears to be an eminently reasonable and sophisticated kind of selfishness.

Perhaps the 'reasonableness' is the problem. I hope that some day they will experience the fact that human beings only find fulfillment in loving. I don't mean sex. I mean that unless the fundamental orientation of our life is towards others—others who merit our respect, our service, our time and sometimes even our life—we become stunted, impoverished beings in

whom the source of our greatness has dried up. The ability to reason is an extraordinary gift of our race. But the ability to love is greater.

The reason for this is ultimately theological (God is love), but the experience of it is common human patrimony, available to believers and non-believers alike.

There are indeed "values of individuality" etc. enshrined in the "American experiment", but those who were responsible for it were, knowingly or not, living in a society which enjoyed a capital of greater social solidarity than we retain today. That solidarity did not spring from a "social contract" but was rooted in human nature and fertilized by religious faith. Now that a majority of the citizens of this nation are more inspired by civic virtues and plain ole selfishness, the ideal of individual achievement will prove to be a fatal flaw undermining society rather than a driving force behind its construction. Unless, of course, we reverse our course, and Caltech gets around to producing more scientists and engineers who are conscious that their talents are for others. Now that would be a real distinction.

Fr. Brian Wilson, L.C.  
Chaplain, Newman Center  
218-51

## Objectivist Replies

Objectivism is the philosophy developed by the novelist Ayn Rand, and consists of a metaphysics based on reality, the acquisition of knowledge through reason, a morality of rational selfishness, and free market capitalism and limited government in politics. Mike Benedetti (4/9/93 Tech) criticizes Chris Echols' (4/2 and 4/9) Objectivist "ideals" for being impractical, but apparently fails to realize that the selfish pursuit of values is consistent with good will toward others, cooperation in the achievement of goals, having an emotionally rich life, and being a "nice" person. Similarly, Daniel Sandoval (4/16) questions my wisdom in leading by example (4/9) since he believes that example ignores the plight of the less-fortunate; yet, in principle, I am no different from people throughout history who have pursued rational self-interest (which does not mean disinterest



Ernest  
Tomlinson

# Ernest Explains

Dear Ernest:

My six-year old daughter is always full of questions. Could you help me out with one? The other day, while I was driving her to her dance lessons, she asked about the origins of ballet. Can you shed some light on the subject?

—an interested staffer

Dear Interested:

Ballet originated in Europe during the plague years. It was a difficult time, and sometimes the only way to survive was to make light of the horrors of the Black Death. One example of such morbid humor is the nursery rhyme "Ring Around the Rosy," which depicts the death of a plague victim. Another example, more relevant to your question, was a peasant dance that mocked the death spasms of plague-infected rats. The dance was called "Ballons des Souris," from the French for "mouse balls." This was eventually corrupted to "ballet." The dance, refined over the centuries, became a staple of classical theatre in the nineteenth century.

Dear Ernest:

I have heard about the planned C House, and frankly I'm scared by what I hear. Won't the construction of C House mean the end of the other seven houses?

—Monwhea Jeng

Dear Monwhea:

These concerns are valid and are patent in the recent controversy over denying certain professional positions to women because they are afflicted with a condition known as premenstrual syndrome, commonly referred to as PMS. I have often heard people saying that when a woman is suffering from mood swings it is because she has PMS. The person who says this is very misinformed about the subject of a woman's menstrual cycle. Not every woman has PMS and those who do have premenstrual syndrome are affected by—and sometimes suffer from—a group of symptoms which, although are similar, are quite unique for every woman. There is currently research underway which reveals not only the existence of PMS, but also the existence of at least two other syndromes which encompass a group of symptoms that occur both during and after menstruation.

**The California Tech**  
Volume XCIV • Number 24  
April 23, 1993

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Published weekly except during examination and vacation periods by Associated Students of the California Institute of Technology, Inc. The opinions expressed herein are strictly those of the authors.

Letters and announcements are welcome. All contributions should include the author's name and phone number and the intended date of publication. The editors reserve the right to abridge and edit all submissions for literacy, expediency, etc.

Turn in copy (preferably on Macintosh 3.5 inch disk) to the Tech mailbox outside SAC room 40. E-mail may be sent to editors@tech.caltech.edu. The deadline for copy is Wednesday at noon; for announcements, Tuesday at 5 p.m.

The California Tech is distributed free. Issues will be mailed off-campus upon receipt of \$10 per year to cover third-class postage and preparation costs.

Printed by News-Type Service, Glendale.

ISSN 0008-1582

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continued from previous page  
sual, and intellectual exchanges possible among individuals. The value I place on my own goals and the preciousness of my own life makes me respect the right of others to pursue their own happiness.

Finally, as a human being, I make mistakes, but I always seek to exchange value for value. Mr. Benedetti's query of two weeks ago (Isn't Clinton "asking you to serve your country in exchange for college money" the same thing?) can be addressed by noting that the President's endorsement of putting others above self is immoral, and that there are better ways to "serve your country" (e.g., contributing to the defense of its founding ideals, or to progress in science and technology).

Stuart Stephens, Grad  
170-25, x6961

## Houses Flawed

I am writing in response to Mr. Benedetti and Mr. Radford's letter last week criticizing my own submission on the subject of C House. They claim that students have a considerable say as to which house they will be in. But my point wasn't that students have no say as to which house they will end up in. Rather it was that giving the house say in the matter was degrading. I have found rotation meetings or other house meetings where new members were discussed to be disgusting examples of people putting others down to bolster their own wounded egos.

Mr. Benedetti and Mr. Radford also claim that if my proposal were adopted, the houses would no longer function as self-governing groups. But that was my point. I am already controlled by the administration and the faculty, but that is a necessary concession to obtain my degree. I don't have to also have fellow students telling me what to do, such as whether or not I can wear a hat, read a newspaper, or get up to get a drink or go to the bathroom. In my opinion, graduate students and faculty would never stand for being dominated by petty dictators. If C House is to function at all, it will have to be done on completely different lines than the present houses.

Mike Pejic  
797-8601

Please send letters to the editor to *The California Tech*, Caltech 40-58, Pasadena, CA 91125, or by e-mail to editors@tech.caltech.edu.

*The Tech* reserves the right to edit all letters for brevity or otherwise. Although we strongly discourage anonymous letters, we will withhold the author's name upon request.

## C House Article Decried

We are writing to convey our dismay at the front page story about C House you carried in the April 16 issue of *The Tech*. The article Zack wrote was based on an interview he had with Gary Lorden over two weeks ago. At that time, Dr. Lorden pledged to write an article about C House for *The Tech*, and so it seemed redundant for Zack to write another article. The article written by Zack was commissioned after Dr. Lorden's promised article was not ready at the time of publication of the April 9 issue.

Having talked independently with Gary Lorden, we feel that the views expressed in the article represented the opinions of the author rather than those of Dr. Lorden. Dr. Lorden, as well as others in the administration who are involved with C House, are very adamant that the new house should not disrupt the current house system.

"It is important that C House be included with the other seven houses so as not to create any élitism."

This quote from Zack's article, attributed to Gary Lorden, simply means that Lorden does not want C House to be in direct competition with the current student houses, as it would be if it were introduced as a new, eighth, independent house. Such competition would be unfair and deleterious to the current student houses, since the presence of faculty and graduate students, the fact that it will be a new building, the planned student union type facilities, and the number of undergraduate spaces (over 180) inherently make C House unequal in comparison. However, this does not mean that Gary Lorden or Kim West, for that matter, intends C House to be a bland "residence hall." Because of its unique characteristics, which we have mentioned above, C House will have a flavor all its own. No matter how it is integrated into the current housing plan, it should only serve to add to the undergraduate experience at Caltech.

In addition, the concept of C House was presented to the donor as place that will serve as a showcase for the talent of the community at large, where students can network with alums and professors from here and other institutions to make long lasting contacts that may be useful for promoting their careers both in academia and industry in the future.

Finally, the whole C House situation is still flexible. If you want to get involved in the discussion regarding C House, it is not too late. The IHC and ASCIT are involved in this discussion, and you should feel free to contact us. In addition, Gary Lorden plans to visit each of the

houses for dinner sometime in the next two weeks, and David Wales is hosting several functions specifically for C House (check with the MOSH's office). We would like to stress though that things will remain flexible up until the time the house opens in 1996, and even afterwards. What we decide now as the best format for the house is only an educated guess at what will work best. In the long run, the function of C House must be determined by its occupants, not by those of us who may never live there.

Respectfully submitted,

Moeen Abedin  
ASCIT President, x6757

Asif Hassan  
IHC Chairman, x6964

## The Tech needs an Off-Campus Circulation Manager.

We are looking for someone to handle *The Tech*'s off-campus subscriptions. This person will need to spend 2 to 3 hours each Friday preparing, labelling, and bundling the week's issue for delivery to our off-campus subscribers. If you need a job with small time commitment and good pay, call us at x6154 or write to 40-58 SAC for more information.

## WRITE FOR THE TECH.

### Submissions Policy

The deadline for all submissions to *The Tech* is noon on Wednesday. We reserve the right to refuse to publish any submission for any reason.

Please submit all material in one of the following three ways:

1. On 3.5 inch Macintosh disk, saved as a Microsoft Word 4.0 document
2. By e-mail, to editors@tech.caltech.edu
3. By mail, to 40-58 SAC.

You can reach *The Tech* at extension 6153. Please leave a message on the answering machine if no one is there.

THEATER ARTS AT THE CALIFORNIA INSTITUTE OF TECHNOLOGY PRESENTS



## The Importance of Being Earnest

By Oscar Wilde

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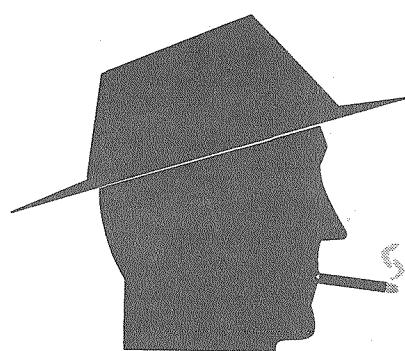
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## CRIME AND INCIDENT BEAT

by Gypsy Achong

**Crime Tip:** Please try to be aware of your surroundings. This week two thefts were prevented by alert people. It is also important to note that off-campus people are finding it very easy to invade both on and off campus housing, and the situation seems to have become worse since the *Pasadena Star's* article on Caltech a few months ago. Please keep your doors locked at all times to keep you and your belongings safe. It is a drag to carry around a key, but in the long run you will gain peace of mind.

4-7 6:28 p.m. A student in Braun House heard a loud noise coming from the lounge. When he looked out of his room he observed a man carrying a VCR out the exit. Another man walked past the student, asked him what was happening and then followed the thief. The VCR had been ripped off of its security base in the lounge. Pasadena Police were called and an extensive search was made of the area but the men were not seen again. \$265  
4-8 9:00 a.m.-7:30 p.m. Someone removed the radio from a vehicle in the North Lura Parking Lot. There were no signs of a forced entry. \$150

4-7/11 4:00-4:55 p.m. The rear window of a student's car parked on San Pasqual was broken and a CD player and radio removed.  
4-9 9:40 p.m. A man was observed trying to steal a bike from the bike rack in the Thomas/Spalding parking lot. He cut the cable of the bike lock, noticed he was being observed and drove off in a dark-colored minivan with an out of state license.

4-11 8:45 a.m.-4:30 p.m. The rear window of a car parked on Hill was broken. Nothing was removed.  
4-11 2:34 a.m. A group of four men who were assembled in the courtyard of the S. Chester apartments followed a female undergrad on her way to her flat. She managed to get inside and lock the door before they arrived and began screaming and pounding on her door. The group left while the student called security.

4-13 A member of staff was sitting in his car parked in the North Lura parking lot. He observed a white compact park but the driver remained in his car for awhile. Then the suspect got out of his car and jammed a tool into the driver's side rear window of a nearby vehicle. The witness jumped out of his car and ran to call security. When they arrived the suspect was speeding out of the parking lot and driving quite dangerously in the traffic on Del Mar. Apparently the thief wanted to steal a cellular telephone which was on the front seat of the damaged car. Extra patrols are being made in this area.

4-13 6:30-8:10 p.m. The passenger side window of a car parked in front of Central Plant was broken and some of the owner's belongings stolen. \$300

4-13/14 8:20 p.m.-12:23 a.m. A new motorbike which did not have a lock or license as yet was removed from the North side of Braun Lab. Pasadena police were summoned to take a report. \$6000  
4-13/14 4:30 p.m.-9:00 a.m. A bicycle was parked and locked to the bike rack at 362 S.Catalina. The bike and locking cable were missing when the owner returned. \$700

4-15 4:25 p.m. A female undergrad entered her on-campus room and found a man inside, leafing through her jewelry. When she asked him what he was doing he said that security had sent him but when the student said she would call security he replaced some of her jewellery and ran out of the room. The door to her room was closed but not locked. Missing: 1 necklace, \$400  
4-18/19 1:15 p.m.-12:55 a.m. The driver's side window of a vehicle parked on the North side of Jorgensen lab (the Physical Plant parking lot) was broken. A tool kit and a radio/cassette player which were hidden under the seat of the car were stolen.

Two-week total value: \$7815

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## ASCIT BOD Meeting: April 20, 1993

by Karen Shih

Present: BOD plus Pinky, Roy Jones, Won Bang, and Gavin Claypool.

taking over the job of bylaw interpretation. Hey guys, this is where the power is; talk to Jen Tritschuh or your House President if you're interested.

- The ASCIT Budget Meeting is scheduled for this Sunday, April 25th, from Noon until 5 p.m. in The Salvatori Room, 356 South Mudd. Come and ask for some money. The Budget Forms are available in Page 109 and must be returned to the same place by Friday in order to get on the agenda.

- IHC came up with the idea of ASCIT paying for the extra Dean's Helpers so that the UCC's won't have to miss any of the activities, i.e. BOC Talks, etc. The price per head is estimated at \$100-\$200; could the kitchen and clean up schedules be arranged such that the UCC's won't have to miss the important talks? Is it necessary to pay for these extra people when the Dean's Office has already made plans for cutting them out? Asif will find out about the exact cost next week.

- The Caltech Animé Society is here to get the money (\$40) that was promised to them last term by the old BOD. O.K.

- Mike reports that the BOC/IHC talks, as well as the talk on the Quality of Life, conducted over Prefrosh Weekend were very successful; recommendation will be made to the next BOD to do it again next year. In addition, Anandi and Mike both received positive feedback from the student body on the ASCIT-sponsored party Friday night. Final conclusion reached: we should do it more often.

- The ASCIT ExComm is still looking for people interested in

- Asif's extension is up: 6964

- Gisela's extension is also up: 6203

- The ASCIT Van is available for official uses only. Access for personal usage will be denied from now on. Official usage includes organized activities for an ASCIT Club, a Caltech sports team, or undergraduate Houses. The by-laws as stated in the little t will be followed.

- Stanley Grant is on the Search Committee for the Assistant Vice President of Student Affairs which will filter through the full applicant

pool for possible interviews; those who signed up will most likely be involved with the interview process. The decision was not made by the BOD; the BOD regrets to say that there was miscommunication with Dr. Lorden regarding the logistics of selection for this position. Thanks to all who signed up.

- Moeen's office hours are weekdays, 5-6 p.m.

- Discussion on Election Procedures are tabled.

- Next Thursday, the BOD will be visiting Blacker House for dinner and informal discussion afterward. Topics are to be determined by those who attend. Come and voice your ideas about what ASCIT means to you in terms of what services it should provide to the student body. All seven houses will eventually have their chance at the BOD.

- The ASCIT-CCF Ice Cream Social over prefrosh weekend was cheaper than expected (and still a huge success). Instead of the allotted \$500, Finny spent only \$200. Since ASCIT is paying for half, for the first time in a long time, ASCIT gets paid back.

- IHC has moved its meetings to Tuesday nights. Sounds like Tuesday is the only good day of the week for everybody. For next week, Asif will have a meeting marathon on Tuesday night (at least he won't be late to this one). Power struggle over who gets Tuesday night will continue next week... Asif is asked to go back to the IHC for a possible rescheduling of its meetings.

Respectfully Submitted,  
Karen Shih  
ASCIT Secretary

## IEEE Chapter Forming at Tech

by David Krum

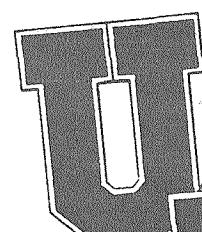
Are you an EE major? How about CS or APH? Can you linearize a circuit in 10 seconds? IEEE, the Institute of Electrical and Electronics Engineers, is forming a chapter here at Caltech. IEEE is the world's largest professional technical organization with over 300,000 members worldwide. Over 40,000 of these are students.

Future activities of the Caltech IEEE chapter include trips to local companies and obtaining

speakers from academia and industry. The branch aims to increase student awareness of job opportunities both on and off-campus and to help create closer ties between the faculty and the students. In addition, the branch will sponsor talks by Caltech faculty to discuss their research. Discounts on IEEE publications, design contests, student paper competitions, recognition awards, and IEEE conferences are also benefits of membership. Dr. Middlebrooke has agreed to be the organization's advisor.

Fifteen people attended the first meeting on April 20th, and many more have expressed interest. The next meeting will be Wednesday, April 28th at 7:30 pm in 102 Steele. Election of officers and many other topics will be covered. All those interested are encouraged to attend, including current student members of IEEE. Contact Brett Warneke at 795-4469 or email: bwarneke@cco, or Albert L. Lee at 449-5572 or email: albertl@cco for more information.

## Coming in May



The  
National  
College  
Magazine

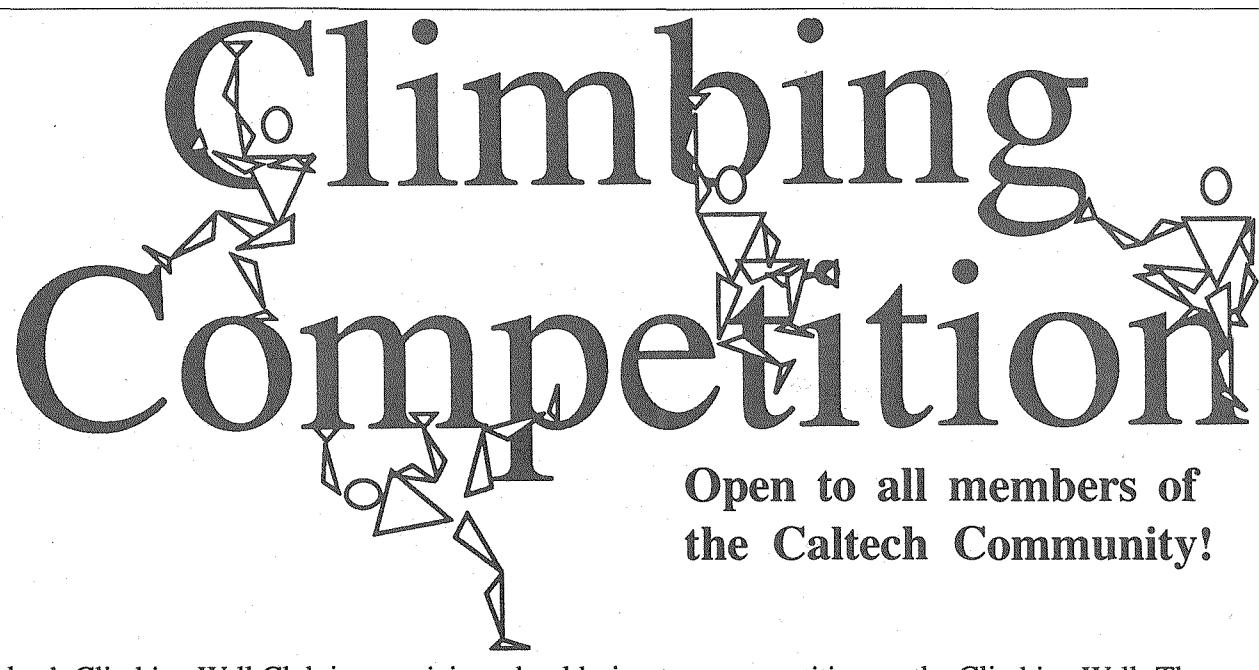
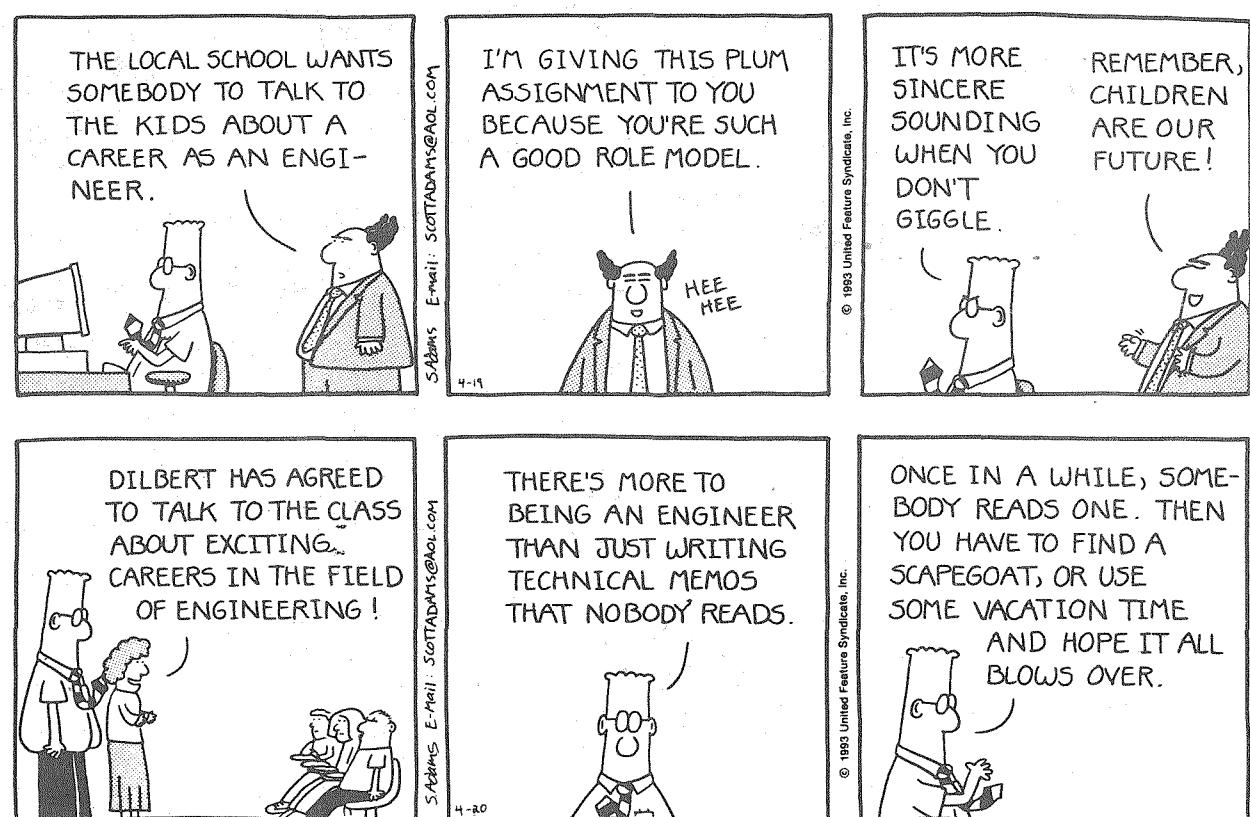
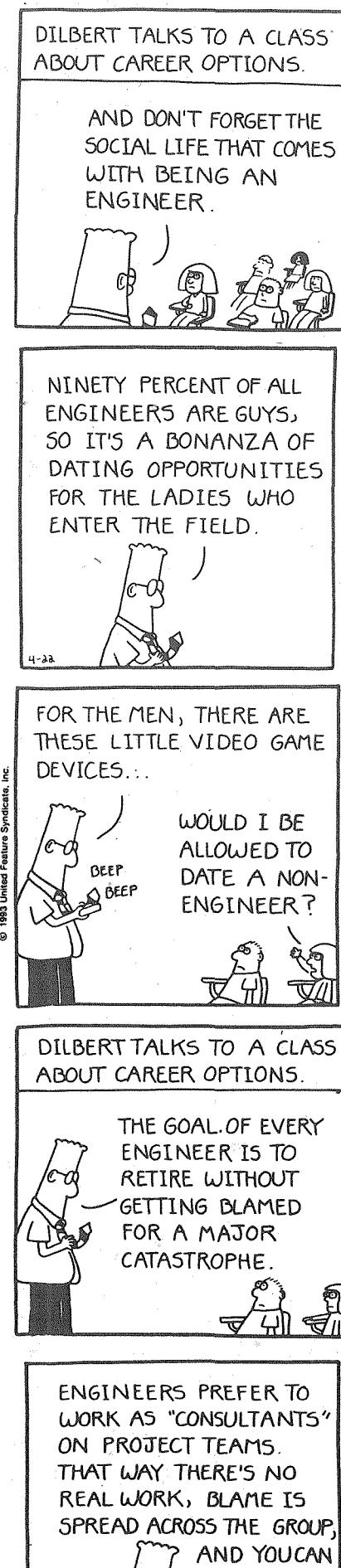
- Talkin' 'bout my Generation X
- U.'s Photo Year in Review
- The Reinvention of Depeche Mode
- See Page 5 for your chance to win Europe trip, \$1,000, and more!
- Win \$1,000 in U.'s "Capture the NIKE Spirit" Contest!

continued from page 1

**Sex**

ing is a predominantly male condition. She said that even though data of this sort demonstrate sex-related differences, we need to remember that the differences are small for the vast majority of the population.

She left us with the words of an 18<sup>th</sup> century British writer who, when asked "who is smarter, men or women?" replied, "Which man, which woman?"

**DILBERT® by Scott Adams**

The Caltech Climbing Wall Club is organizing a bouldering-type competition on the Climbing Wall. The competition will take place on a weekend day sometime late in May. There will be either two or three divisions, dependent on the number and skill of entrants. After the competition, there will be a get-together and awards ceremony. Hang out and meet the other climbers from the Caltech Community!

If you intend to compete, please mail in the form below, and we will be in touch with the particulars of the event. Note that due to the generosity of the Vic Veysey fund, there is no entry fee for the event. Please try to give an accurate and honest assessment of your climbing ability, since this helps us to organize an event that is fun, fair, and challenging for everyone.

Since this is a volunteer-run competition, any help with organizing or judging the event would be greatly appreciated. This event is sponsored by the Victor V. and Janet D. Veysey Student Life Discretionary Fund.

If there are any questions or comments, please contact Jed Pitera at (818) 356-9387 (phone), Caltech Box 700 (mail), or jpitera@cco.caltech.edu (e-mail).

**1993 Caltech Climbing Competition Entry Form**

NAME \_\_\_\_\_

ADDRESS (campus address preferred) \_\_\_\_\_

CAMPUS PHONE \_\_\_\_\_ HOME PHONE \_\_\_\_\_

STATUS: Undergrad Grad Student Faculty Staff JPL Alumni Other \_\_\_\_\_

GENERAL SKILL LEVEL: Beginner Intermediate Advanced GENDER: Male Female

GRADE OF SKILL LEVEL (highest top-rope on-sight): \_\_\_\_\_

Present plans call for the competition on Monday, May 31 (Memorial Day holiday). Can you make it?

Yes No — prefer \_\_\_\_\_

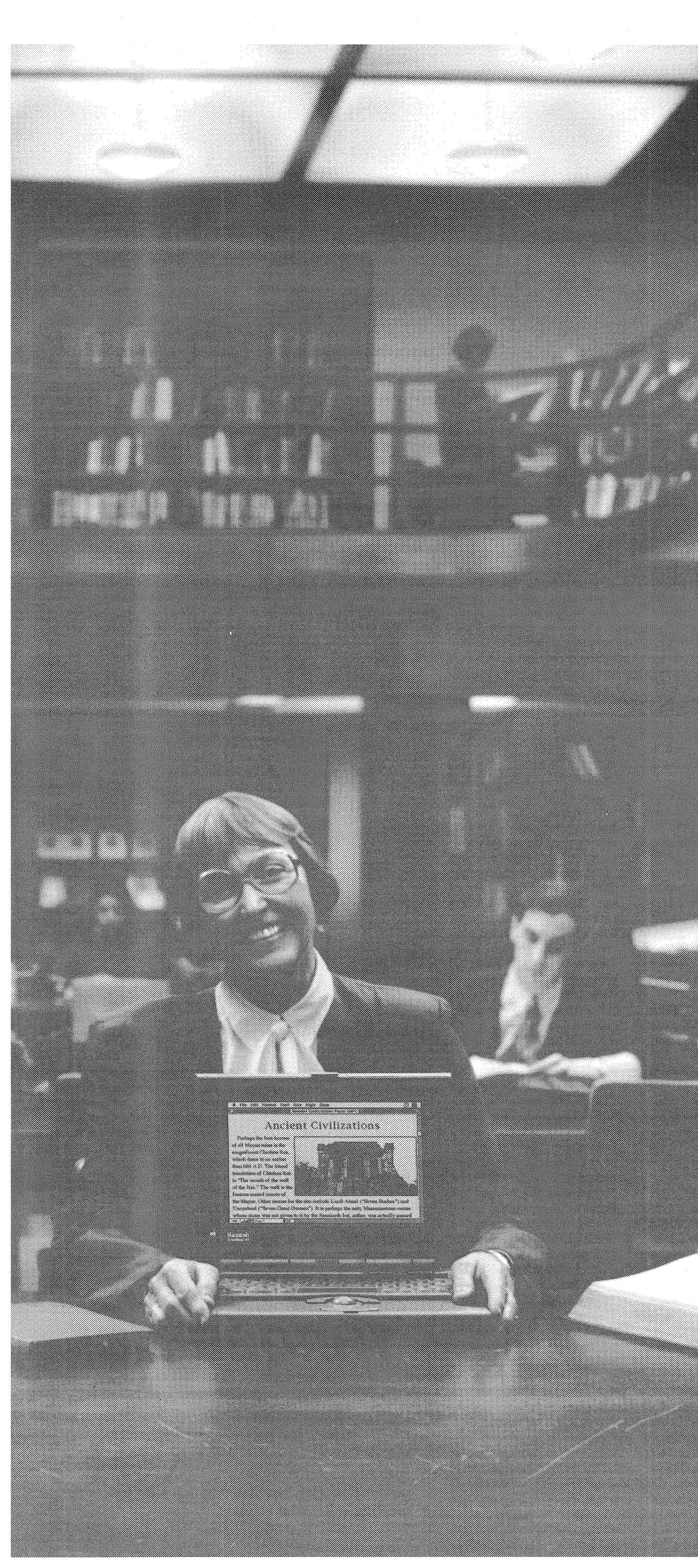
Please complete and mail this entry form to: **Jed Pitera, Climbing Club, Caltech Box 700**  
We would like to receive all entries by May 5, 1993.

**Theresa Rodriguez**  
**College senior**

My class schedule  
My phone/address book  
A list of assignments  
Notes from chemistry  
All my reports for this year  
Graphs for a chemistry report  
A fax/modem  
A letter I faxed to my dad in Florida  
Letters I faxed to my brother in London  
Travel info faxed to me by tourist bureaus  
Prices for plane tickets  
Packing list for Europe trip  
Berlitz Interpreter  
Currency conversion table  
Budget for Spring Sing production  
Fliers for the Spring Sing  
My résumé  
Cover letters to various companies  
Follow-up letters from interviews  
HyperCard  
Microsoft Word  
Microsoft Excel  
A bunch of games  
Sound clips from famous speeches  
A clip art file  
A letter to an old boyfriend  
A letter to a new boyfriend

**What's on your PowerBook?**





**Elizabeth Shaw**  
**College freshman**

My class schedule  
Assignments  
Notes from Ancient Civilizations  
Notes from English Literature  
A list of graduation requirements  
A dictionary  
A thesaurus  
A campus map  
A paper about Mayan culture  
Photographs I took at Chichén Itzá  
HyperCard  
ClarisWorks  
Quicken  
MacInTax  
A grocery list  
A family history I'm writing  
Scrabble Deluxe  
*Selected Stories by Eudora Welty*  
The PowerBook Guided Tour  
My daughter's college application  
Letters to my son at college  
Letters to my friends  
My monthly household budget  
An unpublished short story  
A list of publications

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Adrain Hightower attacks the hurdle with plenty of clearance.

## ASCIT BOD Minutes: April 13, 1993

by Karen Shih

Present: BOD plus Pinky, Andrew Maskiell, Dave Derkits, Heidi Sutton, Rich Zitola (*little t*), Jen Tritschuh (ExComm), June Fujimoto, Finny (CCF), Joan-Marie Gimble (for a fleeting minute), and Gavin Claypool.

10:05 P.M.

*little t* Business Manager: Heidi proved to be the only serious candidate for this position (someone signed Katy up without her knowing). The BOD felt somewhat dubious about Heidi's lack of experience in this field; Gavin came in later and asked a few more questions. Concern for Heidi's working relationship with the editors is noted. (motion passed later in the meeting. 6-0-2)

Executive Committee: Jen talked to the IHC last night about getting her committee together; she needs one representative from each House.

Social Committee: Anandi wants \$279 for pizza on Friday night for

the Pre-Frosh party. The party is scheduled for 9:00 P.M. on the Winnett lawn. Anandi promises that there will be plenty of food and drinks for everyone. But just as a warning to the pre-frosh: get there early, free food is the only effective incentive for many Caltech events.

Caltech Y: The Y is asking for more money for Earth Day festivities; last week's \$135 needs some beefing up. Dean Kiewiet will be in the dunking booth (did you know about that, Dr. Kiewiet?). Just for that, the motion passed. (8-0)

Gisela—her extension is up and running (x6203). No word yet on the new wording for the van's purposes. (See last week's Minutes.)

IHC Chair—The House Presidents and their Secretaries want copies of the Minutes, too.

CCF: Traditionally, ASCIT has helped sponsor an ice cream social during Pre-frosh Weekend with CCF (usually half). This year Finny is looking at a \$500 tab, \$250 of which ASCIT is to pick up. One thing: ASCIT requests Mint Chocolate Chip as one of the flavors. (Another thing: it's the ASCIT-CCF Ice Cream Social, not the other way around—got it?) Motion passed. (7-0-1)

Moeen has several things:

- ASCIT is to appoint two students to the Search Committee for the new Assistant Vice-President of Student Affairs. Sign-ups will be up soon.
- Should ASCIT sponsor activities during the summer? Last summer's Christmas in July Party went over quite well. The BOD thinks it is a worthwhile expenditure.
- Moeen and Stanley are speaking with Business Services on the possibility of getting parking for students that are closer to the Houses. Construction on Holliston has not only abolished most of the graduate parking, but parking for undergraduate car owners has also disappeared. Staff parking may be limited to the Wilson lot instead of including San Pasqual since it is safer to walk to the Wilson lot during business (daylight) hours, than

it is for students during their business (evening) hours. Since construction of the parking structure will not be completed until December, the parking crunch will affect us not only for the rest of the school year but also during first term next year.

• Faculty Board Meeting—Moeen, Mike, and Jen all attended yesterday's meeting. Here are a few highlights:

- The Faculty Board was excited about the new Richard Feynman Teaching Award. Not only are faculty eligible for this, but graduate student TA's are also eligible. This award recognizes not only in-class teaching, but also out-of-class mentoring. Details are yet to be worked out. The award will include a cash prize as well as a raise.
- There had been talk about increasing the number in the Self-Help column for financial aid packages. The latest figure is a 25% increase from before (\$6,000 from \$4,800 for upper-classmen). Moeen is looking at a possible proposal to bring that number down 10% to \$5200. We'll be kept informed.
- Academic Policy Committee: Changes for the core curriculum will be heading the agenda for the next Academic Policy Committee; these changes will have a huge impact on graduation requirements. As of now, Moeen sees the tide on the Faculty Board edging toward adding requirements rather than deleting them. If you're interested in influencing that wave of change, sign up for the committee.

- Mike thought of sponsoring a faculty "Science Fair" (or something of that sort) for the undergrads to get more interested with faculty research.

Asif says that the Alumni Association has money set aside for the undergrads. All we have to do is put together events that may involve alumni; something to keep in mind for the next fiscal year since some of the Houses are already thinking about tapping into that money this year.

Election Procedures: After a one-week hiatus from this lovable topic, the BOD seems to agree that NO

## Track Team Runs Away From Competition

by Ned Bowden

A very long time ago, I think it was in January, the Caltech track and field team began their season. The members have been hard at work training and competing against those brave enough to face us. Last weekend a conference track meet with Whittier, California Lutheran University, and Occidental was held at our track.

Leading the way for the men was senior Greg "Ironman" Dudey, who competed in eight events. He managed to win three of those events and placed second twice. Greg had been training for the decathlon and has hopes of going to Nationals in that event. After two false starts in the 1500 m race, Ron Stieger ran his heart out and finished in 4:20—a personal record by eight seconds! Ron surprised everyone except Coach O'Brien who had been telling Ron that he could run that fast. Fortunately, Ron did not run into the "wall" like teammate Schuyler Cullen did at the 600 m mark of the 800 m race.

On the women's side, Virginia Garcia ran an inspired 1500 m race and crossed the finish line in 5:38. Aimee Smith ran a steady 800 m race and placed fifth overall. On the field, Amy Oldenburg and Taletha Derrington kicked some butt while finishing first and second in the javelin! That performance went well with Amy's fourth place showing in the discus. Sadly, that was not enough for the undermanned team to pull off a victory against Oxy or Cal Lu.

In one week the conference championships will be held at Oxy. This will close out the season for most and be a perfect chance to run a personal best. Of course, the true athletes will stay in shape to run KELROF at the end of May.

## ynews

by Katy Quinn

Today's big event is EARTH DAY! Come and celebrate the protection of our home planet with food, games, prizes, and lots of fun. The festivities will be located around the Winnett Student Center from 12 noon to 2:30 P.M. Among our many events is the dunking booth, a real favorite from last year. Presenting Rod Kiewiet, Cary Lorden, Ben Smith, Moeen Abedin, et al, for your dunking pleasure. Bring a recyclable to get your favorite (or not) student administrator or student leader wet. Come on out and find out what else is going on; have some fun and save the earth all at the same time, you can't beat that with a stick.

Monday night Meditation classes are still going strong, 7 to 9:30 P.M. in Clubroom #2. We always have ongoing volunteer programs—this weekend a group is down in Tijuana helping to rebuild the local YMCA. These weekend trips will be happening fairly often, so come up and find out about them if you're interested. Also there is a Los Angeles Food Bank trip tomorrow and soon there will be another trip to Union Station.

The Caltech Y is open Monday to Friday, 9 A.M. to 5 P.M. We are located on the second floor of the Winnett Student Center. x6163. There is an Excomm meeting every Monday at 12 noon, all are welcome to attend.

should indeed be allowed only as a first-choice candidate but not any where else, reason being that too many voters may decide to give NO their second-choice just to express a strong preference for their first-choice candidate, in which case NO may in fact have an unfair advantage in the race.

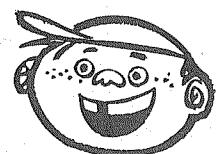
Discussion then centers around the logistics of the election. What

to do in case of a tie in the first round? Should the two candidates be eliminated simultaneously even if the sum of their votes could conceivably knock out the next lowest candidate? What about later in the ballot counting? Should a point system be used? Motion to adjourn passed.

Meeting adjourned 12:05.

## HOT AND THROBBING!

Hey, kids! Looking for some hot, throbbing rivet action? Come on down and help plan this year's issue of the Institute's most throbbing publication. Our first planning meeting will be this evening, Friday, April 23 at 10 P.M., in the Coffeehouse.



# Spring Into Action

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**Angola**

The Angolan government agreed to share power with the UNITA rebels. The government and rebels were still unable to reach a cease-fire agreement.

**Bangladesh**

The U.N. received permission to inspect Burmese Muslim refugee camps.

**Brazil**

Brazilians voted overwhelmingly to keep their presidential republic. In a referendum, 68% voted for a republic, and only 12% for a constitutional monarchy.

**Colombia**

A car bomb exploded in a shopping center, killing 11. Officials blame Escobar.

**Chechenya**

President Dzokhar Dudayev of the breakaway Russian republic of Chechenya dissolved the government and instituted direct presidential rule. He led the republic to secede from Russia in 1991. Russian forces were unable to retake the territory, but it is not recognized by any countries. It has a population of 610,000.

**China**

The government announced that it would no longer pay for agricultural goods on credit, but would pay cash. It also agreed to sign 300 copyright contracts with foreign publishers.

**East Timor**

U.N. Secretary General Boutros Boutros-Ghali oversaw the beginning of talks between Portugal and Indonesia over East Timor. East Timor was a Portuguese colony until 1975 when Indonesia occupied it. The U.N. and Portugal have called for a self-determination referendum for East Timor, while Indonesia says that the current situation is acceptable. The U.N. has reported torture, mass executions and other human rights violations in East Timor by the Indonesian military.

**Egypt**

President Mubarak replaced Interior Minister Abdel-Halim Moussa with Police Maj. Hassan Ali. Moussa sponsored the crackdown on Muslim fundamentalists which failed to stop Muslim terrorism.

**Europe**

19 West European and 11 East European countries agreed that free trade is necessary to solve economic problems in Eastern Europe left by Communist rule. The East European countries pressed to join the EC.

The EC criticized U.S. barriers to trade.

The EC Commission approved a \$42 billion stimulus package.

**Germany**

The IG Metall union in Eastern Germany called for a strike vote. If the strike occurs, it would be the first in Eastern Germany in decades.

Chancellor Kohl's government decided to send 1,600 German troops to Somalia for humanitarian purposes. The question over the constitutionality of German intervention in various foreign

countries has been a major issue lately. The Social Democrats are considering filing a suit in the German Constitutional Court.

**Haiti**

The ruling military junta refused to resign and allow ex-President Jean-Bertrand Aristide to return, despite substantial pressure from the U.S.

**Hong Kong**

The Hong Kong Governor Chris Patten stated that he favors increased democracy in the next two years. China said this would violates previous Sino-British agreements.

**Hungary**

The government approved a plan to accelerate the privatization of the economy.

**Iraq**

A U.S. plane destroyed an Iraqi radar site, claiming that the plane was threatened.

There were unconfirmed rumors of a purge ordered by Saddam Hussein in which former Interior Minister Abdel Wahab Shaykeli was executed.

In a major referendum, Italians voted 82% to replace the proportional representation system for 3/4ths of the senate with a U.S.-type district system. They also voted to end public financing of political parties, and to close the ministries of agriculture and tourism.

**Japan**

Clinton pressed Japan to increase imports of American cars, computers and other manufactured goods. He advised Japan to revive its economy and lower its trade surplus by increasing Japanese government spending. One top Japanese Ministry of Finance official was quoted as saying "Our feeling is 'Thank you very much but please mind your own business.' Don't you think there are enough problems with America's budget without telling us what's wrong with ours?"

**Los Angeles**

Elections narrowed the race for mayor down to Republican Richard Riordan and liberal City Councilman Michael Woo. There will be a runoff in June. A measure to raise property taxes to fund the

**Peru**

An earthquake killed three.

**Russia**

The trial for the twelve men who led the coup against Gorbachev begins. The defendants began by claiming that since the government they had rebelled against no longer existed, the trial was not valid. They also claimed that the prosecution and judges were not objective. The trial was later delayed indefinitely when one of the defendants, Alexander I. Tiyzyakov became ill.

Clinton proposed increasing the United States' pledged aid to Russia from \$1.6 billion to \$3.4 billion. The G-7 nations announced a \$28.4 billion aid package.

Yeltsin says that if the April 25th referendum goes against him and in favor of the Russian Congress, he will resign. But if the referendum goes against both him and the Congress, he will stay until new elections. Both Yeltsin and his rival Khasbulatov toured the country to gain support in the upcoming referendum.

**Serbia**

The United States said that un-

**Spain**

A poll put the opposition Popular Party ahead of the currently ruling socialist party of Prime Minister Felipe Gonzalez.

**Switzerland**

Police reported that an employee of the Union Bank of Switzerland had allegedly stolen 2,900 pounds of gold worth \$13.8 million.

**Texas**

The FBI used armored vehicles to break holes into David Koresh's fortress, and sprayed the building with tear gas. The cult members set a fire in which over 80, including David Koresh, died.

**Turkey**

President Turgut Ozal died. He was known for modernizing Turkey and siding with the West during the Gulf War. Parliament Speaker Husamettin Cindoruk will replace him until Parliament can choose a successor.

**United Kingdom**

Large increases in production convinced some that the recession that began in the third quarter of 1990 is over.

**United States**

Clinton considered a 3% value-added tax to pay for health care. A value-added tax is similar to a sales tax but the tax is taken at every stage of production for a product, rather than when the product is sold. Value added taxes are regressive.

Clinton announced plans to sign the biological diversity treaty that George Bush refused to sign at last year's Earth Summit. The treaty is supposed to offer financial incentives for Third World countries to conserve their natural resources.

The Republican filibuster in the Senate continued. Clinton proposed eliminating \$4 billion of his \$16 billion stimulus package as a compromise deal, but the Republicans refused. The Republicans proposed a bill which would keep half of Clinton's stimulus plan.

The Pentagon briefed U.S. leaders on possible military strikes in Yugoslavia. They centered on the possibility of air strikes.

The Pentagon, completing its investigation of the Tailhook sex scandal, is expected to recommend that over 140 people be tried in the military legal system.

A new survey says that 2.3% of American men in their 20's and 30 have had sex with a man. This is much less than the previously accepted value of 10%.

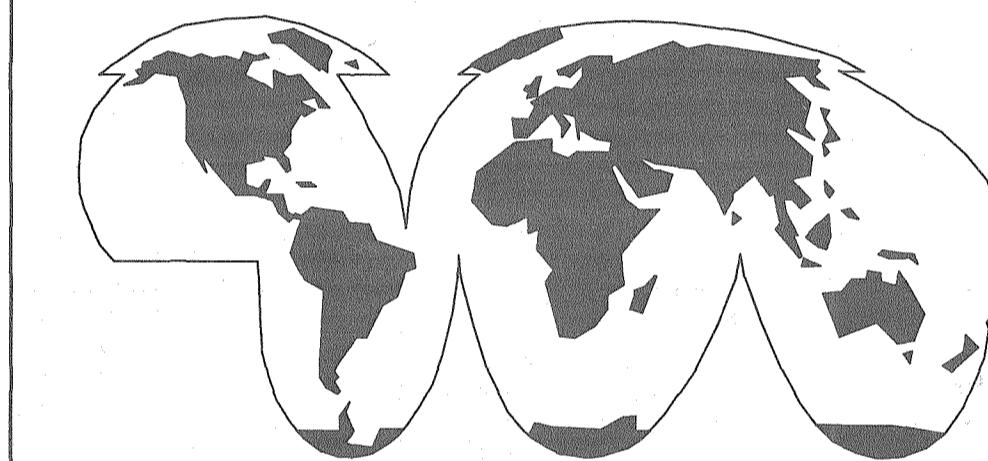
The Roussel-Uclaf, French manufacturer of the controversial abortion pill RU-486 agreed to license the drug to a research organization for eventual sale in the U.S.

Microsoft's profits increased 36% in its third quarter. Apple's profits fell 18%.

**Vietnam**

Vietnam sent documents to the U.S. about MIA's. Vietnamese officials agreed to cooperate in investigating a 1972 Russian document which appears to show that Vietnam took many more prisoners than they have previously admitted to.

# World News



by Momo Jeng

**Israel**

Expected peace talks were delayed when Palestinian representatives said that they would not enter until the occupied territories were reopened. Israel refused to give into Palestinian demands. Syria said that no Arab delegations would enter the peace talks unless the Palestinians were involved.

Israel moved more tanks into its security zone in south Lebanon. Iranian-backed guerrillas fired rockets into Israel. A car bomb went off in the occupied West Bank, killing two and injuring nine. An Israeli lawyer working with Palestinians in an Arab aid agency for peace and economic development of Arabs was killed by members of the extremist Palestinian guerrilla group, the Red Eagles.

**Italy**

Former Prime Minister Giulio Andreotti denied claims that he was linked to the Mafia when he was Prime Minister. A Senate commission is considering lifting his parliamentary immunity at the request of an Italian judge.

Current Prime Minister Amato confirmed that he plans to resign. Five of his cabinet members have already resigned after being faced with corruption charges.

Los Angeles Police Department failed. Term-limit proposals passed.

The Rodney King trial finished. Koon and Powell were convicted, while Briseno and Wind were acquitted. No riots!

The Supreme Court refused to hear a case about nude sunbathing, thereby upholding a lower court's decision that L.A.'s ban on nude sunbathing is not a violation of constitutional rights.

**Mexico**

A major victory for the Institutional Ruling Party (PRI) in gubernatorial elections in San Luis Potosi was reported by the government. The opposition claimed electoral fraud.

**Ohio**

The 11-day siege at the prison in Lucas, Ohio ended. The prisoners released their hostages after officials gave into 21 of the prisoners' demands, including reduced prison overcrowding and medical care.

**Pakistan**

President Ishaq Khan dissolved Parliament, fired Prime Minister Sharif, and named a temporary military-backed regime. His opponents prepared to appeal for Sharif's return.

less the Serbs accept a Western-mediated peace plan the U.S. will call for lifting the arms embargo on Yugoslavia in order to ship weapons to Bosnia-Herzegovina.

Serbia took over Srebrenica, which was declared a safe haven for Muslim civilians by the U.N. Security Council Friday.

**South Africa**

Millions protested the murder of ANC leader Chris Hani with a nationwide general strike. President de Klerk sent military forces to stop the rioting and looting.

Later, a peaceful demonstration of black protestors was disrupted by a white gunman. A black gunman shot into a black township, killing seventeen and injuring twelve.

Clive Derby-Lewis, a conservative in the South African Parliament, was arrested after evidence that he was involved in a conspiracy to kill Chris Hani.

**South Dakota**

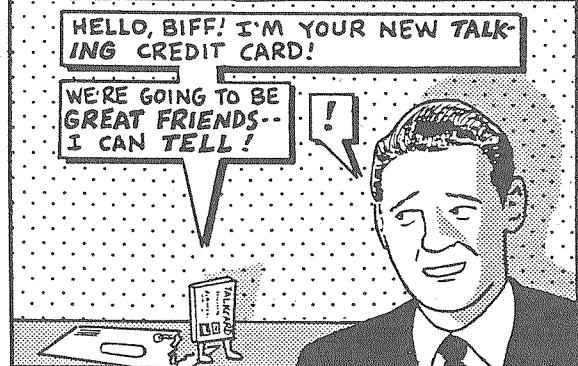
Governor Michelsom of South Dakota died in a plane crash.

**South Korea**

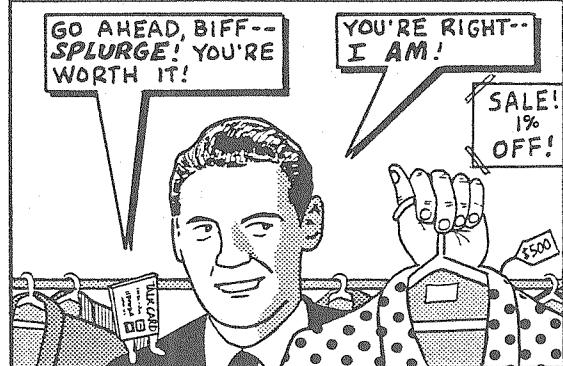
The new South Korean government began an investigation of illegal transfers of money through foreign banks, as part of a general anti-corruption drive.

# THIS MODERN WORLD

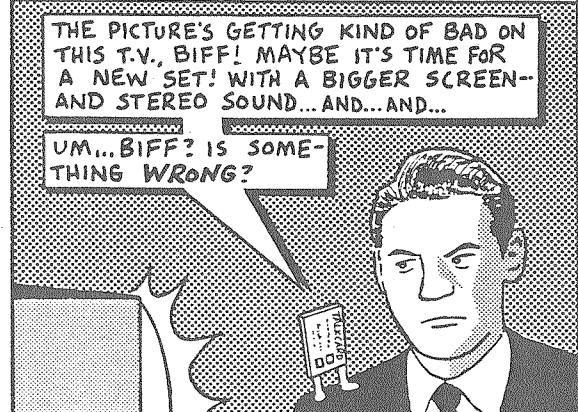
ONE DAY, BIFF'S BANK SENT HIM A NEW CREDIT CARD...THANKS TO THE WONDERS OF MICROCHIP TECHNOLOGY, IT WAS A VERY SPECIAL CARD...



BIFF AND HIS CREDIT CARD QUICKLY BECAME INSEPARABLE...AND HE BEGAN TO RELY ON HIS NEW FRIEND'S ADVICE MORE AND MORE...



IN TIME, HOWEVER, BIFF BEGAN TO WONDER IF HIS FRIEND REALLY HAD HIS BEST INTERESTS AT HEART...



SADLY, BIFF EVENTUALLY FOUND IT NECESSARY TO SEVER THE RELATIONSHIP.



# MOM

by Mike B.

Episode 1:

Momo has become a math prof @ a small, midwestern college.

Hello, Ms. Stevens.

Good morning, Dr. Jeng.

Dr. Jeng, did you notice something strange about the new prof, Dr. Jones?

What do you mean?

He's a koala.

Move it, Grad boy!

I THINK YOU SHOULD LET HOMOSEXUALS IN THE MILITARY.

I'D RATHER NOT.

O.K.

MOM

Out on the town

I'd like the Bagel Dog Au Gratin.

And you?

What do you think? Eucalyptus! What the hell kind of waiter are you?

No tip.

Nice car, Bob.

Thanks.

Give me your keys!

Don't worry, Momo, it isn't a real gun.

Here.

© 1993—THE INDUSTRIAL CARTOON WORKSHOP

*or just plain weird*

lechner

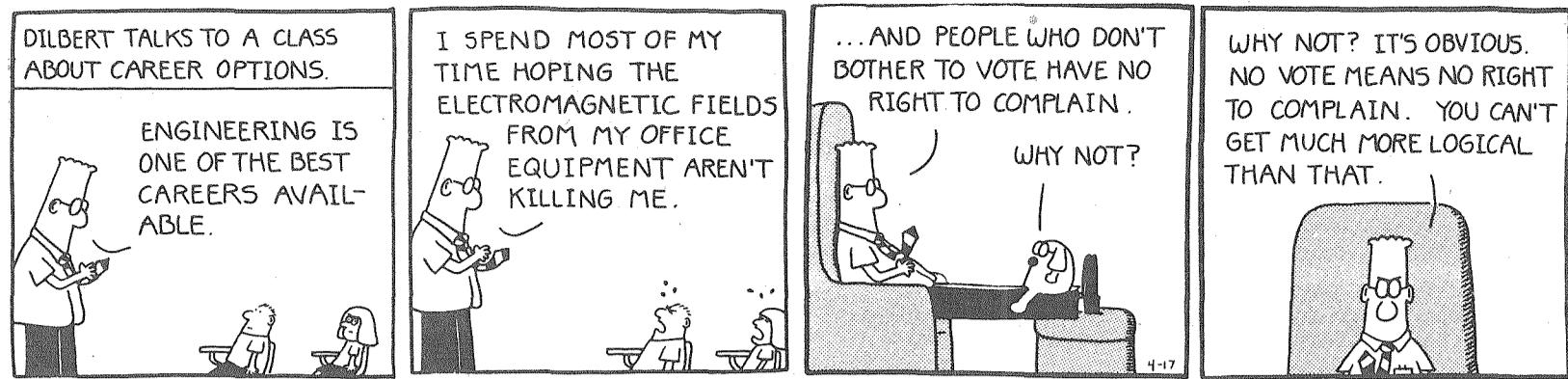
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**486SLC2-50MHz**

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>1.2 & 1.44MB Floppy Drive  
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>Paradise Window-Accelerator W/1MB 1280x1024, 16.7M Colors, 16Bit True Color  
>IDE Dual FD/HD Controller  
>2 Serial, Parallel, Game Port  
>14" SVGA 1024x768 (.28) Monitor  
>101 Enhanced Keyboard

CPU	IBM48650	486DX33	486DLC33
MIPS	19.4	14.5	11.2
Land mark	114.88	111.5	107.2
Norton	67.7	51.6	54.1

SALE PRICE:\$1465  
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MS-Works for Windows  
Win-Fax  
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>9600 Fax/2400 Modem  
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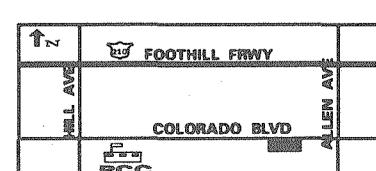
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\*Note: asterisks indicate new announcements.

## Notices

**C House Discussion and Lunch**—I am planning C House discussion and lunch on Saturday, April 24, from 12:00—2:00 p.m. at Steele House, 355 South Holliston. If you are interested in attending, please call Amy at x6194 to reserve a spot. If there are too many responses, we will have a second discussion the following week. Grad Students welcome. MOSH.

The Annual West Coast History of Science Society Meeting will be held from April 30 to May 2, jointly sponsored by Caltech's H&SS Division. Info: Helga Galvin, x4538.

**Attention all club leaders**—The 1993-94 ASCIT Budget Meeting will be held at noon on Sunday, April 25. All clubs, old or new, that desire ASCIT funding should fill out a budget proposal information form, available outside Angie Bealko's room (Page 109), by April 23. Further information can be found on the proposal sheets.

## Events and Services

**\* May Day Renaissance Tournament**—To celebrate the beginning of spring, the Caltech Medieval Renaissance Society (CMRS) is sponsoring a Tournament and Revel on Saturday, May 1, on the lawn in front of the Beckman Institute. The all-day festivities will begin at approximately 9:30 A.M., and will include armored fighters, merchants selling their wares, and a Maypole Dance. In the evening, a revel of dancing and music will take place under the arcade of the Beckman Institute, beginning at 7:30 P.M. and continuing into the night. Info: (May Day or CMRS) Alison Johnson 818-584-3828, before 10 P.M.

**\* Therapy Group** for Caltech students who grew up in dysfunctional families has openings for new members. The group examines the impact of familial abuse, alcoholism, and other serious difficulties on one's current relationships and self-image. Must be able to meet through the majority of the summer. Info: Aimee Ellicott, Ph.D. or Glenn Maarse, M.A. at the Student Counseling Center x8331.

**\* Caltech Velo — The Caltech Bicycle Club** meets Thursday, April 29, 8 P.M., in Winnett Lounge. The club organizes all types of rides, both road and off-road rides, for all skill levels, from novice to advanced, including collegiate racing. All cyclists are welcome. We lead the following weekly rides, all meet in front of Winnett Lounge: Monday 5:00 P.M.: about 20 moderate paced road miles; Tuesday 3:15 P.M.: various off-road rides; Wednesday 7:00 A.M.: about 20 hard, hilly road miles; Friday 8:00 A.M.: about 15 easy road miles; mountain bikes welcome. Rides leave at the time listed, so please arrive a few minutes early. Info: Michael Kantner x4882 or e-mail [kantner@hot.caltech.edu](mailto:kantner@hot.caltech.edu).

**\* Pasadena Politics Discussion**—Roy Begley, long-time Pasadena resident and political activist, will discuss Pasadena city politics on Sat, Apr 24, at 7 P.M. in room 134 of the Beckman Institute. The United We Stand, Caltech Club will provide refreshments. Everyone welcome. Info: 568-0186.

**International Students**—Hosts are needed for Up With People's international students for their stay in the Pasadena area, Apr 25 to May 2. These students are members of one of Up With People's five touring casts for 1993. These students will be involved in PROJECT PRIDE, focusing on children and involving area elementary schools. For more information on PROJECT PRIDE or on hosting, contact Ann-Michelle, Jennifer, Chris, or Christa at (818) 302-0221 or (818) 799-8152.

**Caltech Y ExComm Meeting**—The Y

# Events and Notices

invites anyone who wishes to cosponsor an event to attend on the first or third Monday of each month.

**Friday Prayer**—Prayers organized by Caltech Muslim Students are held in the Caltech Y lounge at 1:30 P.M. every Friday.

**Caltech Hillel/Jewish Community Weekly Meeting**—An informal gathering, every Thursday at noon in the Y lounge. For information call Caty Konigsberg at (213) 259-2859.

**Mass**—Thursday at 8:15 in the Y lounge and Sunday at 10 A.M. in Winnett lounge. Sacrament of Reconciliation (confession) is given 20 minutes before masses. Refreshments are served after mass.

**Bible Study and Discussion**—Every Wednesday at noon in the Y lounge. Bring your own lunch. For more information call Mike Cerf at 356-4886.

**Gay, Lesbian, Bisexual Support Group**—Meets the first and third Tuesdays at 7:30 P.M. in the Health Center Lounge. This confidential meeting is open to all Caltech community members looking for a supportive context in which to address questions and concerns about sexual orientation—including coming out, being out, self-discovery, coping with families. . . . We begin with a focus topic but move to whatever is feeling most relevant to the group that night. Refreshments are served. For information, please call x8331.

**Adult Children of Alcoholics**—A 12-step group which meets on campus every Tuesday, from 12 noon to 1 P.M., in Y club room 2. The group is open to any student, staff or member of the faculty who grew up with family alcoholism and other problems. For more information call Dinah Lee Schaller at x2961.

**Open Line**—Open Line meets every Tuesday in the Y lounge upstairs during lunch, between 11:30 and 1:00. Topics discussed include developing a youth center for ages 5-12 for tutoring services, activities and cultural development for the children of Caltech students, staff and faculty, developing a multicultural book for the understanding of all nationalities, traditions and customs. Open to all of the Caltech community.

**Baby Furniture Pool**—The Caltech Service League loans out baby furniture to students and postdocs on Wednesday at 324 S. Chester from 10 to 11 A.M. For more information call 952-1631.

## Entertainment

**\* Singer Red Grammer** will perform on Saturday, April 24 at 2 P.M. in Beckman Auditorium. This is a 60-minute Family Faire presentation designed especially for children and their families. Grammer is an energetic performer who brings together elements of children's music from the 1970's and '80s and launches it into the new decade. Tickets: Caltech Ticket Office, 332 S. Michigan Ave., and all Ticketmaster Ticket Centers (213-480-3232). ASL interpreted. Info: (818) 356-4652 or (800) 423-8849 (VTDD Deborah White at (818) 356-4688 Monday-Friday 9 A.M. to 4 P.M.).

**\* The Ethnic Visions film Series** continues with Who Killed Vincent Chin? on Monday April 26 at 7:30 P.M. in Baxter Lecture Hall. Mistakenly taken for Japanese, the Chinese-born Vincent Chin was beaten to death by an unem-

ployed Detroit auto worker. This feature length documentary, investigates the personal, psychological, social, and national causes of Chin's death. Open to the Caltech community.

**BANDORAMA 93**, at 8:00 P.M., Saturday, May 1, 1993 features the Caltech Occidental Concert Band and Caltech Jazz Bands with guest soloists Mario Guarneri on the trumpet and Janet Ketchum on the flute. At Beckman Auditorium on the Caltech Campus. Admission is free, and no tickets are required. Info: (818) 356-4652.

**The Pasadena Folkdance Co-op** offers beginning and intermediate instruction every Friday at 7:45 P.M. in Throop Unitarian Church on the corner of Los Robles and Del Mar. A program of varied international dances follows the instruction at 9:00 and continues until 11:00. Wear soft-soled shoes. A contribution of \$1.50 is requested.

**International Folk Dancing**—Tuesday nights in the Dabney Lounge. Beginning instruction starts at 7:30 P.M.; intermediate at 8:00 P.M. and open dancing takes place from 9:00 until midnight. Donations are accepted. For more information call Mike McKenna at (310) 692-0366.

**Israeli Folk Dancing**—Sundays in Winnett lounge, Beginning instruction starts at 7:30 P.M., intermediate at 8:00 and open dancing goes on from 8:30 to 10:30. For information call Nancy Macmillan at 795-3655. Admission is \$2.00.

**Scottish Country Dancing**—On Wednesdays in Dabney Lounge from 8 until 10 P.M. Beginners are welcome and no partners are needed. For more information call David Hills at 354-8741.

**Music with James Boyk**—Pianist James Boyk gives a performance each Wednesday from 4:30 to 6 P.M. in Dabney Lounge. The performance is open to the public and free of charge. Feel free to come late or leave early. For more information call x6353.

## Scholarships, Internships & Competitions

**Pre-Med Students**—There will be a presentation on applying to medical school on Monday April 26, 1993, at 5:00, in the Conference Room of the Caltech Health Center. Presentation by Arlene Marx, USC Medical School Director of Admissions, and Dr. Marlene Coleman, USC Medical Student.

**The E.T. Bell Undergraduate Mathematics Research Prize**—A cash prize of \$500 will be awarded for the best original mathematics paper written by a Caltech junior or senior. Contestants must be nominated by a faculty member familiar with their work. Each student is entitled to only one entry. All contestants nominated must submit their papers in final form to their faculty sponsors by April 27. A faculty committee will then judge the papers and announce its decision before the end of third term.

**The Morgan Ward Competition**—Entries for the Morgan Ward Competition, open to freshman and sophomores, should be turned in to the Mathematics Office in 253 Sloan during the fourth week of third term. Info: Given in Events & Notices of April 9, 1993.

For Details on the following announcements contact the Career Development Center, 08 Parsons-Gates, x6361.

**Malin Space Science Systems** has opportunities for grad students in GPS to participate in the operation of the Mars Observer Camera (MOC) in San Diego between September '93 and September '94.

**RAND** will be sponsoring interns in a wide range of academic disciplines in its Graduate Student Intern Program this year. They are looking for applications from students who have completed 2-3 years in Ph.D. study and are interested in the analysis of public policy problems.

**\* Raychem Corporation** is seeking undergraduate and graduate level students for Summer Internships. Come to the Career Development Center and check the ASPIRE program or send cover letter and resume to: Alison Council, Raychem Corporation, 300 Constitution Dr., Mail Stop 111/8201, Menlo Park, CA 94025-1164.

For details on the following, please contact the financial Aid Office

tion consists of your name, address, phone number, class, and research report of reasonable length. The deadline for applications is May 1, 1993. Entries should be mailed to 142-58. Any questions should be referred to Dave Krider (577-9955).

**The Jewish Family and Children's Services** announces the availability of financial support for Jewish individuals and their families. Students may apply for aid by mailing the questionnaire to the JFCS office or calling Ted Schrieber at 415 561 1226 to receive an application. There are no deadlines and students may apply throughout the year.

The John Gyles Education Fund is offering financial assistance to students in both Canada and the United States. Effective March 1st selected students will receive up to \$2500.00. Deadlines vary. A minimum GPA of 2.7 is required. For details and an application send a self-addressed, stamped (US \$2.29) No. 10 envelope to, The John Gyles Education Fund, Attention: R. James Cougle, Administrator, P.O. Box 4808, 712 Riverside Drive, Fredericton, New Brunswick, Canada E3B 5G4.

For details on the following, please contact the financial Aid Office

**Merit Awards for 1993-1994**. Each year, the Faculty Committee on Scholarships and Financial Aid awards a number of Merit Awards to the most academically talented of the Institute's Sophomores and Juniors, and in special circumstances, Freshmen. 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 a total of 40 Merit Awards. Awards ranged from \$5,000 to full tuition, \$14950. The level of awards this year will be determined by the caliber of the 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 P.M. on April 30, 1993.

The Ebell of Los Angeles is offering undergraduate scholarships for the 1993-94 school year. The amount of the scholarship is \$3,000 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. All applications and materials are due in the Financial Aid Office by 5 P.M. May 14, 1993.

The Society of Women Engineers announces its 1993-94 Freshman and Reentry Scholarship Programs. This year they are seeking applicants for eight scholarships totaling \$9000. Applications, including supportive materials, must be postmarked on or before May 15, 1993. More info is available in the financial Aid Office.

The 1993 Society of Consumer Affairs Professionals in Business (SOCAP) applications are now available. Individuals planning to work in business, academic, government, or media positions are encouraged to apply. Completed applications must be received by July 1, 1993.



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