



Lloyd House R.A. Shubha Tole, a grad student in behavioral biology, performs a classical Indian dance from "Kuthak" at last Friday's International Day. photo by Anoop Sinha

## Cultures Mix at International Day

by Zackary Dov Berger

You are facing Winnett. Greece, a hopeful Yugoslavia contingent, and (for that matter) Amnesty International are on your far left. In the center are Germany and the combined Australia/New Zealand groups; farthest to your right are India, Turkey, and Israel. Ranged behind you are (from east to west) Mexico, China, Korea, Vietnam, and Japan. You're at the Y's International Day, held last Friday. If you last through the long line

(wasting time by identifying the language those in front of you are speaking) you can sample some samosas, pitas, tacos, sausages, stuffed grape leaves, and all the variety of the world's cuisine. If you manage to keep patient the food lasts until 5:30 or 6. International Day, however, is more than an international free-food sampler; it's an international free-food sampler with cultural enlightenment thrown in. Tang-soo-do was demonstrated with agility and stamina; Korean folk musicians drummed

colorfully; a real Israeli folk dancer dragged some ignorant would-be folk dancers up from the reluctant audience. Over on the side somewhere a Mexican piñata was beaten silly. International Day, this year as last, was a chance to eat some food and listen to some music you ordinarily wouldn't have the chance to appreciate, and to talk to some interestingly international students, graduate and other, whom you normally don't see.

## "L.A. '93" Examines Race Relations

by Chris "Godot" DuPuis

On Wednesday, May 19, OpenLine, a Caltech organization formed after last year's riots in L.A., sponsored a community forum entitled: "L.A. '93: One year later . . . What has changed?"

Speakers at this meeting all seemed to agree that greater cooperation was needed both between and within racial and cultural minorities in order to properly address the problems faced by these groups. Many speakers referred to the fact that there currently exists no such thing as an "African-American position" on a subject, and that this

extends to all minority groups. In particular, Kathy Imhara, of the Asian Legal Center, pointed out that what is commonly referred to as the "Asian community" is actually composed of a great number of completely different cultures and religions, and that there is often as much difference between these various Asian groups as there is between Asians and Hispanics.

Other speakers called attention to the effects of the recession on race relations. The rise in unemployment seems to have contributed to interracial tension, in that members of any minority group are often singled out as scapegoats

for the nation's financial woes. Also, the lack of jobs for inner city youth, combined with the lack of funding for community programs, is a leading factor in the formation of gangs.

On the subject of actual changes that have come about after the riots, very little was mentioned. About the only after-effect of the riots seems to have been a slight increase in violence between Asian and African-American gangs.

This forum served to call attention to the need for improved communication in efforts to bring about change in interracial problems. The consensus opinion seemed to be that no meaningful change could happen without the voices of the minorities being unified to improve life in Los Angeles.

Steel drummer Clyde Williams will be playing a noon concert in front of Winnett on Monday.

### Last Chance

Nominations for Junior and Senior Class Offices close on May 25th. Sign up now at the east side of Winnett.

## Everything you ever wanted to know about AIDS\*

An HIV/AIDS Education Program sponsored by the HIV/AIDS Advisory Committee will be presented in Lloyd House on Wednesday, May 26 after dinner. This informative and interesting program will involve health educators Katrina Hammons and Joel Tan from the All Saints' AIDS Service Center, and a panel of HIV-infected individuals. For more information, call Dinah Lee Schaller at x2961.

**\*but were afraid to ask**

## ASCIT, BOC Bylaw Changes Proposed

by Karen Shih

After careful deliberation and hours of debate and argument, the ASCIT Board of Directors has abandoned the original multi-election, cross-off-based system for a single-election preferential-ranking procedure.

In the new system, the voter is allowed to rank any or all of the candidates on the ballot, plus write-ins. To interpret election results, the election committee will set up piles of ballots, one pile per candidate, which will include all those ballots that ranked that candidate first. The smallest pile is then distributed among the other piles according to the next highest ranking on the ballots. This process is continued until there is a clear majority.

In effect, the voter has voted in subsequent elections by ranking the candidates on the ballots—no other elections are necessary. This system eliminates the day-to-day fluctuations in voter turnout and background noise associated with multiple runoffs. In a nutshell, this system maintains some of the good points of the last system while discarding some of its less desirable aspects. The voter can still vote "NO" and can still express a preference, but election by plurality and the circle and cross-off system are eliminated, hopefully minimizing strategic voting.

In addition to the changes in the

election procedure, the ASCIT BOD will also be presenting the student body with some changes to the requirements for BOC Chair and BOC Secretary (see related article). These changes are merely changes on paper that are already in accordance with present practice—traditionally, the positions of BOC Chair and BOC Secretary have been filled by those who had previously served on the BOC, but the BOD felt it was necessary to codify the requirement in the bylaws. Basically, the BOD felt that someone supervising the execution of the Honor System should have a real working knowledge of the BOC.

The last change, which includes the Dean of Students and Director of Residence Life in the BOC's collaboration policy, is similar, in that the BOC has had to consult with the Dean and the DRL in past cases. To avoid confusion or misunderstanding, it seems best to state the BOC's right to these collaborations explicitly.

These bylaw changes will be voted upon by the entire student body in less than two weeks. Please read the related articles in the *Tech* for a better grasp of the proposed bylaw changes. Questions may be directed to anyone on the ASCIT Board of Directors or to the Election Chairman, David Derkits. Moeen Abedin, ASCIT President, is available every weekday from 5

BYLAWS, page 4

## Six Students Awarded Goldwater Scholarships

by Caltech Public Relations

All six Caltech students nominated by the Dean's office for the Barry M. Goldwater Scholarship were named recipients of this highly competitive and prestigious award. The Caltech students who won this year are juniors Ned Bowden and Peter Carlin, and sophomores Janice Lau, Jonathan Weinstein, Michelle Wilber, and Michael Zeineh.

The Barry M. Goldwater Scholarship and Excellence in Educa-

tion Award was authorized by the U.S. Congress in 1986 to honor the former senator from Arizona. The program awards \$7000 to those who will be juniors and seniors and who show exceptional promise in math and/or science, to encourage them to pursue careers in these areas. The scholarship is available to all college students in the United States and its territories. Less than 300 awards are made each year, and each university can nominate only six students.

## The California Tech

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# letters to the editor

## No Swimming

The Crime and Incident Beat this week (14 May) asked parents not to allow their children to swim in Millikan pond. I am wondering why children should not swim in Millikan pond. Is it because the pond is bad for the children or because the children are bad for the pond?

Mitra Hartmann  
G3 Neurobiology  
(MC 216-76)

According to Gypsy Achong (CIB Editor), Millikan pond is not a swimming area and if anyone drowned there, or was hurt by the sculpture, Caltech would be liable.

## Ditch Day Apprehension

[Editor's note: For part of a Ditch Day stack, several undergrads were asked to construct a parachute, attach it to a rat, and drop the rat from the top of Millikan Library without killing the rat. The rat survived the drop without injury.]

I was appalled and disgusted at learning that the students at Caltech were using animals in such a cruel manner as was shown in the front page article and photo in the 5/14/93 edition of the Pasadena Star News. I don't believe that anyone at a respected institution such as Caltech should be encouraging this kind of behavior, especially as part of a long-standing tradition. Dropping live animals from a nine-story building for "fun" is a far cry from using laboratory animals to prevent or cure disease. The fact that the animals used in the Ditch Day prank were unharmed is beside the point. There is no excuse for cruelty. If this is the manner in which Caltech students are being prepared as leaders, I fear for our future.

Lisa A. Vencill  
x6233

The editors agree that:  
• Cruelty to animals is wrong, but:  
• Rats are not fragile creatures. A rat can fall five stories without injury (National Geographic, January 1977).  
• The students took care not to injure the rat. As mentioned in the Star-News article, they put a great

deal of thought into the parachute design.

- The fact that the animals used in the Ditch Day were unharmed is not "beside the point", it is the point.
- Rats and other animals meet far worse fates every day in Caltech biology labs.
- It's a rat.

## Harassment Concerns

A major reason why I decided to accept the position of Dean of Students last August was the high regard in which I held Caltech students. Over the past year, my respect and admiration for the students I serve has grown even more. I am constantly amazed by the courage and integrity they exhibit in a challenging and sometimes grueling environment. I was also reminded on Ditch Day of the unbelievable amount of creativity and ingenuity that Caltech students possess.

I was thus saddened and disappointed a few weeks ago when a student brought to me a sign that had been posted in a lecture room

on campus. This sign made a hostile and derogatory sexual reference to a female Caltech professor. Although the professor was unaware that the sign had been posted (she tells me that she tends not to notice expressions of immaturity), it was nevertheless extremely disturbing to many students in the class.

For a number of reasons, I urge the one or two students on campus who did this to please refrain from doing so in the future. If it was intended to be funny, it was not. Anonymous insults rarely are. Secondly, Caltech is legally and morally bound to provide a non-hostile work place for all students, staff, and faculty. Thirdly, it is a shame to have such things like this interfere with the ability of students to concentrate on their studies. Caltech is already hard enough.

Rod Kiewiet

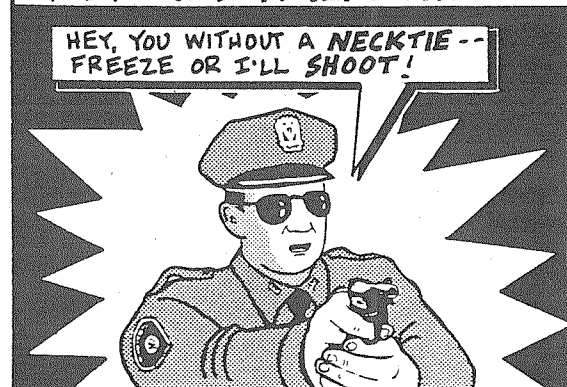
Please send letters to the editor to The California Tech, Caltech 40-58, Pasadena, CA 91125, or by e-mail to editors@tech.caltech.edu. The Tech reserves the right to edit all letters for brevity or otherwise, and to refuse to print any letter for any reason.

## THIS MODERN WORLD by TOM TOMORROW

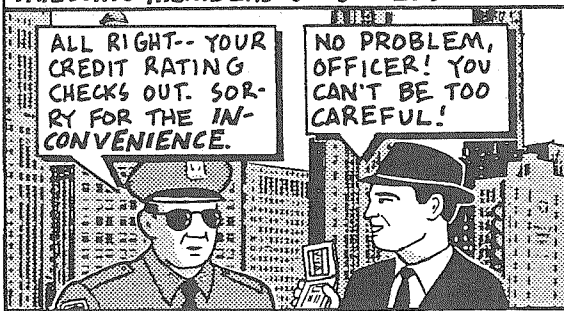
IN CALIFORNIA, THE STATE SUPREME COURT HAS JUST RULED THAT ANY PEDESTRIAN UNABLE TO PROVIDE POLICE WITH SOME FORM OF IDENTIFICATION CAN BE SENT TO JAIL.



FOR THAT MATTER, A LEGALLY-ENFORCEABLE DRESS CODE MIGHT ALSO BE HELPFUL TO POLICE OFFICERS-- SINCE, AFTER ALL, CRIMINALS ARE OFTEN POORLY DRESSED...



PERHAPS TO FURTHER ALLOW POLICE TO KEEP TROUBLEMAKERS AND NONCONFORMISTS IN LINE, CITIZENS SHOULD ALSO BE REQUIRED TO CARRY A CREDIT CARD AT ALL TIMES... TO PROVE THAT THEY ARE PRODUCTIVE, CONTRIBUTING MEMBERS OF SOCIETY...



HECK, PERHAPS IT WOULD BE IN THE BEST INTERESTS OF SOCIETY IF POLICE COULD SIMPLY ARREST ANYONE AT ANY TIME FOR NO APPARENT REASON...



Michael Benedetti

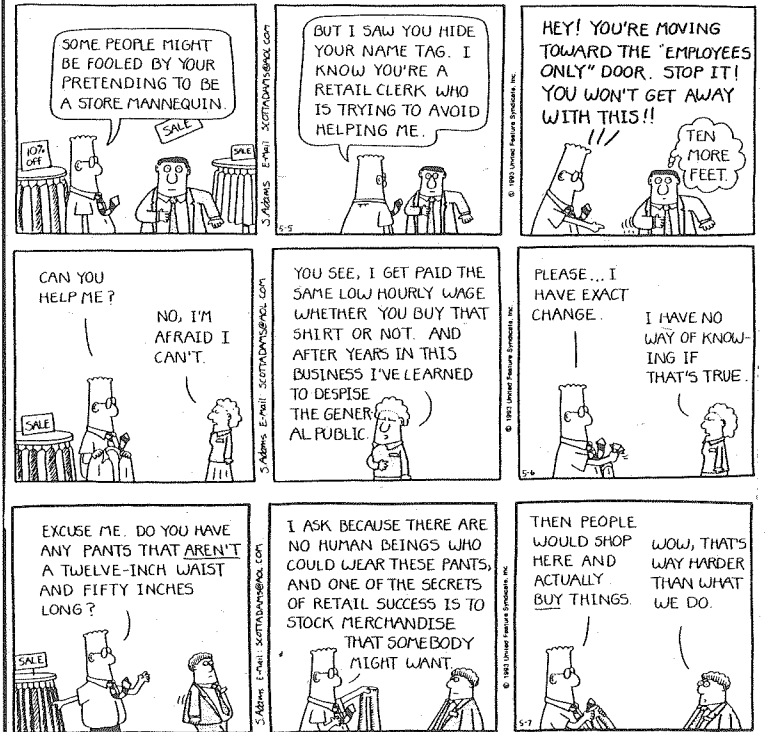
## Explanations Without Ernest

Dear Michael: I enjoy reading "Ask Ernest" in each week's Tech. Sometimes, it seems to be the only interesting thing in the paper. Why don't you run more "Dilbert"?

—Gerald Eigmann, Public Relations

Dear Gerald: No problem.

Dilbert® by Scott Adams



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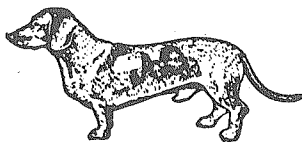
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Sat-Sun Bargain Matinee 1:00 p.m.  
Sat-Sun Regular Matinee 3:00 p.m.



## CRIME AND INCIDENT BEAT

by Gypsy Achong

5/12 7:15 A.M.-3:00 P.M. An Athletic Center employee noticed that the passenger side window of a car parked on Wilson Ave. on the west side near Braun gym had been smashed. Security was called and the owner of the car was located. An AM/FM clock radio and a beach towel had been stolen. Pasadena Police were notified. \$420

5/12 7:55 A.M.-6:45 P.M. A silver Mazda 626 was stolen from the Chester Lot, second row south of the Children's center. There were no signs of forced entry on the scene. The Pasadena P.D. was called to the scene. \$4000

5/12 2:50 A.M. There was the sound of an explosion at 2:50 A.M. from the north side of Braun Lab. Pieces of a plastic liter soda bottle were found in a dumpster there. A second explosion occurred an hour later in or near the undergraduate houses but the exact cause and location are unknown.

5/13 12:05 P.M. A pickup truck was illegally parked in a reserved space in the Chester parking lot. The truck was actually a stolen vehicle and the Pasadena Police impounded it for safekeeping.

5/13 7:05 P.M. A resident of Holiday Rd. called to complain that students and faculty frequently park on his street despite the fact that he has asked them not to. (Holiday Rd. is a public street near campus.)

5/13 11:30 P.M. Someone entered a student's apartment at 306 S. Chester and damaged two of her dresses which were hanging in her bedroom closet.

5/15 7:48 P.M. A resident of the S. Catalina apartment complex reported that a non-Caltech person was doing laundry in the Catalina III laundry room. Security recognized the person as one that had been found in a similar position before. She refused to identify herself or to leave, and said that she was visiting one of the residents. Security escorted her to the apartment that she was supposed to be visiting. Nobody was at home. When the lady was informed that she could be arrested for trespassing, she left with her dirty clothes.

5/17 11:30 A.M. A member of faculty left her office in Alles Lab for a few minutes. On return she noticed that a man was leaving her office carrying something black in his hand. Later on she realized that her wallet was missing from her purse which was under the desk. She then realized that the object that the person was carrying earlier was her wallet. \$80

This week's total: \$4500

### Denmark

56.8% of Danish voters approved the revised EC treaty in a political referendum that had an 85% voter turnout. Last June Danish voters rejected the Maastricht treaty 50.7% to 49.3%, after which the other EC countries agreed exempt Denmark from aspects of the treaty relating to a common EC currency and EC defense.

Riots in Copenhagen over the issue injured over 24 people.

At this point, Spain, Portugal, Ireland, France, Belgium, The Netherlands, Luxembourg, Italy and Greece have also approved the EC treaty, which aims to unify the 12 European countries politically and economically. The German Parliament has ratified the treaty, but questions over the legality of the ratification are still being considered in German courts. Britain is the only of the 12 EC countries which has not yet ratified the treaty. The treaty will not go into effect unless all members of the EC pass it.

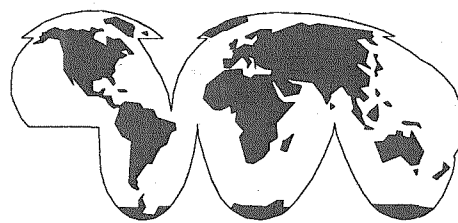
### Georgia

Yeltsin and Georgian President Eduard Shevardnadze signed an accord requiring the Russians, Georgian and Abkhazians to remove major military equipment from the region and cease military flights through the region. The war started when the Georgian army occupied the Abkhazian capital of Sukhumi to stop demands for autonomy. Russia, which has important military bases on the Black Sea in Abkhazia, assisted Abkhazian insurgents.

### Israel

The human rights group B'Tselem reported that Israeli soldiers were killing Palestinian children at a faster rate—34 in the last 6 months. An official on the Israel

## World News



by Momo Jeng

Defense Forces attributed the rise to increased unrest in the occupied territories.

Two Palestinian groups, Hamas and Fatah, killed two Israeli merchants and two Arabs who were bargaining over vegetable prices.

### Italy

Police arrested Benedetto Santapaola, a fugitive Mafia leader.

The Senate voted to lift former Prime Minister Andreotti's parliamentary immunity. He is accused of having been a Mafia contact when he was prime minister. He voted for the measure, saying that he was innocent and wished to prove his innocence.

### Russia

The trial of the Communist leaders who led the abortive coup against Gorbachev in 1991 was stalled yet again, when judges agreed with the defendants' claims that the prosecution is biased.

Russia said that it could back military action or stronger sanctions if the Serbs continue to reject the Vance-Owen peace plan.

### Serbia

The Bosnian Serb army commander Mladic warned the West not to intervene. Bosnian Serb leader Karadzic said that the U.N. peace plan was "dead," and that the only acceptable plan would involve breaking up Bosnia into independent Serbian, Croat and

Muslim states.

### Turkey

Prime Minister Suleyman Demirel was elected president by the Turkish Parliament. He said he would continue the policies of ex-President Turgut Ozal, who died last April, and supported democratic and free market reforms.

### Ukraine

The Ukraine lifted a ban on the Communist Party.

### United Nations

The U.N. reported that the majority of the people in the world have little to no say in their governing institutions. The U.S. was listed as having the sixth highest standard of living. When separated by race, U.S. whites came in 1st, while U.S. blacks were 31st. The U.N. also reported that 10% of parliamentary seats were filled by females, while 6 countries had female heads of government.

### United States

Secretary of State Warren Christopher said that while the Serbs have committed serious human rights violations, the Muslims and Croats are guilty of other war crimes, making the morality of intervention less clear. He continued to advocate U.S. intervention, and said that the U.S. would not enter the conflict without the assistance of European allies.

Conservative Democrats in the Congress defied Clinton by supporting a cap on entitlement benefits.

The Navy proposed cutting its fleet by over 100 ships.

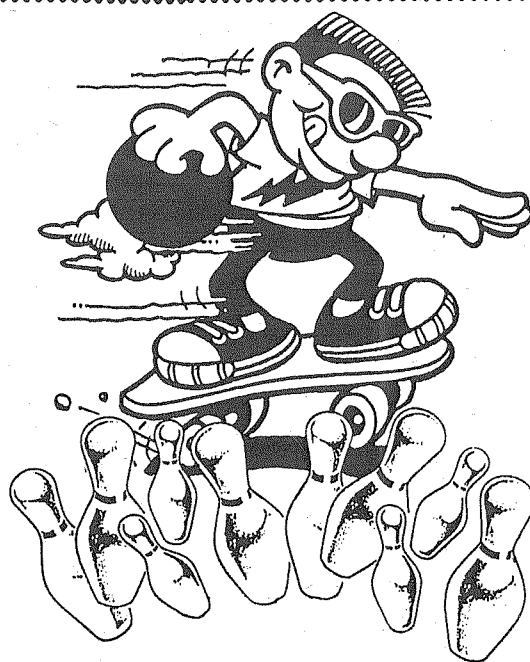
Dr. Jack Kevorkian was arrested for violating Michigan's new law against assisted suicide.

Gene therapy was used on a newborn child for the first time.

## ynews

by Sam Webb

Well, as the new VP of the Caltech Y, it is now my duty to inform y'all of the upcoming events sponsored by the Y. After a busy week with International Day, things seems a bit more quiet around the Y this week. Coming soon we'll soon have Phantom of the Opera tickets on sale. As usual, they're sure to be good seats. Also, there will be a chance to help maintain trails in the San Gabriels this weekend along with the JPL trailbuilders on Saturday. If you're interested call Chris at x6163. That's the news for this week, see you next week in the same place. Remember, only 21 days 'till the end of the term!



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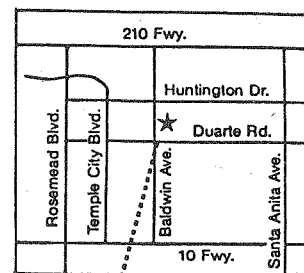
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# ASCIT centerfold

## Explanation of BOC Bylaw Changes

by Michael Brundage

In some exceptional cases, the Board of Control is not the best governing body to handle things expediently or efficiently. Examples of such cases may include those involving sexual harassment, extreme violence, students on leaves of absence, or infractions involving both graduates and undergraduates. In such instances, the Board may deem it necessary to enlist the help of other offices, such as the GRB, the Dean, or the DRL, and it seems best to explicitly state this in a bylaw.

Because of the special nature of the offices of Board Chairman and Secretary, previous experience in Board of Control procedures and methodology is very important. A Chairman or Secretary unfamiliar with the workings of the Board of Control will be significantly less capable of carrying out the duties of the office. In recent memory, all Chairmen and Secretaries have previously served on the Board of Control, but again, it seems best to require this in a bylaw.

**BOC BYLAW CHANGES**  
In ARTICLE IV, SECTIONS 3, 12, add

the italicized:

**SECTION 3.** Office of the Vice President: The Vice President shall, during absences of the President, assume the duties of that office. He shall act as chairman, without vote, of the Board of Control. He shall assist the President in coordinating the policies and activities of the Associated Students. His primary responsibility shall be to insure the continuance of the Honor System among the students. He must be either a junior or a senior in the fall term immediately following his election. *He must have previously served on the Board of Control.*

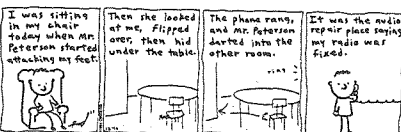
**SECTION 12.** Office of the Secretary of the Board of Control: The specific duties of the Secretary of the Board of Control shall be determined by the Board of Control. *He must have previously served on the Board of Control.*

In ARTICLE VII, SECTION 3, SUBSECTION Q, add the italicized: (Q) The Board of Control has the right to collaborate with the Graduate Review Board, the *Dean of Students, and the Director of Residence Life.*

### continued from page 1 Bylaws

to 6 P.M. in the ASCIT office, SAC 38.

*Editor's note: the vote on the bylaw changes will be held along with the class officer elections on Tuesday, June 1. We welcome any comments on the proposed changes; send letters to the editor to 40-58 SAC, or by e-mail to editors@tech. The deadline for submissions to the Tech is 5 P.M. Wednesday.*



## Comparison of Old and New Bylaws

by David R. Derkits

### ARTICLE VIII—Elections & Procedures

**SECTION 1** covers nomination procedures. It remains essentially unaltered from the old bylaws; the only changes are punctuation-related.

**SECTION 2** sets the day of the initial election. The clause describing a final runoff election has been removed as it no longer applies to the proposed system.

**SECTION 3** covers ballots boxes, absentee voting, and error. The times of the election have been moved one hour back (from 11:00 to 10:00) to give the Election Committee more time to count and to allow people to vote earlier in the morning. Guidelines on the ballot boxes have been slightly modified to allow them to be placed out earlier than 10:00 A.M., as long as they are placed in all seven houses at the same time. A definition of error has been added, and use of it is made in later sections.

**SECTION 4** gives voter qualifications. The one voter, one ballot clause has been added, and the voting information formerly in this section has been removed.

**SECTION 5** covers the guidelines that voters should observe when marking their ballots. The section is totally new and is specific to the Ranked-Preferential system. See the sample ballot to see how this section will be implemented.

**SECTION 6** gives the procedures to be followed by the Election Committee in determining the winner. See the Election Chairman's statement for an explanation of the count process. Like section 5, section 6 has been written specifically for the Ranked-Preferential system.

**SECTION 7** deals with the various situations in which a tie can occur. This bylaw is comprehensive—as evidenced by its length—but it promises to avoid the uncertainty present in the old system when a tie occurred. The old Section 7 has been moved to Section 9.

**SECTION 8** is a combination of the old sections 8 and 9. The Election Committee has been given an additional day to count the votes because of the increased workload due to the Ranked-Preferential system and in order to avoid rushing, which led to the IHC Chair mistake last term. The deadline for protests has been extended to give more time for individuals to prepare protests. In addition, a valid and final clause has been added in order to avoid changes to the results weeks after the election has ended.

**SECTION 9** is the old Section 7, with repetitive wording removed and replaced. There are no changes in the substance of this section.

**SECTION 10** is unchanged from the old bylaws.

**SECTION 11** is unchanged from the old bylaws.

**SECTION 12** has had some wording shortened, but it remains essentially unaltered.

### ARTICLE VI—Executive Committee

This change results from the move in Article VIII of the old Section 7, which is now Section 9.

**ARTICLE XII—Committees**  
The Manual has been introduced to provide suggestions and guidelines for the Election Committee. Experience gained by previous Committees would be recorded in this Manual, and a large portion of the document would be dedicated to dealing with finding and preventing clerical errors.

## Sample Ballot

### Directions:

- For each office, to vote for your FIRST CHOICE (#1), choose from the list of candidates, write in a candidate, or vote "NO." Alternatively, you may abstain by writing "abstain," but all blanks after an abstention should remain blank.
- For SECOND CHOICE (#2) and lower ranks (#3 . . .), the "NO" vote and write-ins are not allowed. Rank the remaining candidates (by their letters) in the order you prefer. You may abstain at any rank level, but all blanks after the abstention should remain blank, since they are not tallied.
- You may not rank any candidate more than once. Hence, if your First Choice was a nominated candidate, the last rank should be left blank.

### ASCIT PRESIDENT

- \_\_\_\_\_  
(#1: Candidate, NO, write-in, or abstain)
- \_\_\_\_\_  
(#2-#6: Candidate ONLY, or abstain)
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_ (use #6 only if necessary)

### Candidates are:

- Boris the Cat
- Hector the Cat
- Papa John Creach
- John Visconti
- Angus Young

### ASCIT WET HEAD

- \_\_\_\_\_  
(#1: Candidate, NO, write-in, or abstain)
- \_\_\_\_\_  
(#2-#4: Candidate ONLY, or abstain)
- \_\_\_\_\_
- \_\_\_\_\_ (use #4 only if necessary)

### Candidates are:

- Cthulhu
- Godot
- Q

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# Proposed ASCIT Bylaw Changes

Replace ARTICLE VIII with the following:

## ARTICLE VIII—ELECTIONS & PROCEDURES

**SECTION 1.** Nominations for the offices of President, Vice President, and Editor of *The California Tech* shall open at 8 A.M. the second Wednesday of second term and shall close at 5 P.M. the following Tuesday.

Nominations for all other elected offices shall open at 8 A.M. on the fourth Wednesday of second term and shall close at 5 P.M. the following Tuesday.

The Secretary shall publish an announcement in the issue of *The California Tech* immediately preceding the opening of these nominations. For a nomination to be valid, the nominee must be a current ASCIT member. All nominations must be given in writing to the Secretary and must be signed by the nominee. *The California Tech* shall publish a complete list of nominated candidates and any statements they wish to make.

**SECTION 2.** All nominated candidates shall be listed on a ballot and voted upon at elections to occur the Monday immediately following the closing of nominations for that office.

**SECTION 3.** Ballot boxes shall be placed in all of the undergraduate houses, within a period of one-half hour, before 10:00 A.M. and removed between 10:00 P.M. and 10:30 P.M. on the day of the election. Each voter must sign an official register at the place of voting before submitting a ballot. Error shall be defined as the sum of the absolute differences between the number of ballots and the number of voters registered by signature at each polling location. Absentee ballots shall be allowed in the case of a voter who expects to be absent on the day of an election. Absentee ballots must be filed with the Election Chairman no later than the midnight prior to the election. Voting by proxy is prohibited. All ballots shall be cast secretly. There shall be no campaigning or campaign materials present in a room where polling takes place during any election.

**SECTION 4.** All registered undergraduates may vote for the Vice President (Board of Control Chairman), the Board of Control Secretary, and the Interhouse Committee Chairman. Only members of the corporation may vote for other elected officers. A voter may cast no more than one ballot in each election.

**SECTION 5.** Each voter shall rank the candidates for each office in order of descending preference, with 1 (First Rank) representing the most preferred. For the First Rank, the voter may choose one of the following:

- (a) a nominated candidate;
- (b) any other legally qualified person;
- (c) the word "NO", by writing it in;
- (d) abstaining.

For Second Rank (2) and subsequent Ranks, only nominated candidates may be ranked; write-ins and "NO" are not permitted. No candidate may be ranked twice, and no candidates may be ranked equally. A voter may abstain at any point in the ranking by leaving the remaining Ranks blank. A ballot conforming to these guidelines shall be considered correctly-cast.

**SECTION 6.** In order to win the election, a candidate must receive an absolute majority of votes. Absolute majority shall be defined as one plus the error plus half the number of correctly-cast non-abstaining votes. The Count Process shall be conducted by the Election Committee as follows:

(a) For each office, all correctly-cast ballots shall be organized and counted according to First Rank votes. If no candidate receives more than the number of "NO" votes, then there shall be a vacancy in that office. If not, the "NO" votes shall be distributed among the candidates according to Second Rank.

(b) If no candidate has an absolute majority of votes, the candidate with the least number of votes shall be eliminated, and each of that candidate's ballots shall be redistributed among the remaining candidates by next available choice ranked. If all remaining candidates on a ballot have been eliminated, then that ballot shall be considered an abstention.

(c) If a candidate now has an absolute majority of votes, that candidate wins. If not, steps (b) and (c) shall be repeated until a winner has been determined.

**SECTION 7.** A tie shall be defined as the situation in which the absolute difference between the vote totals of two or more candidates is less than or equal to the error.

If a tie occurs among candidates in last place at any point in any count process, the votes of one of the tied candidates shall be distributed, and the count process continued until a potential winner is found. This shall be repeated for each of the other tied candidates, until all such potential winners are found. If the same candidate emerges as the potential winner in all cases, then that candidate wins. If no consensus is found, then all correctly-cast ballots shall be reorganized

and counted according to preferences for only the potential winners, using the procedure in Section 6. The candidate receiving an absolute majority of votes shall be elected.

If a tie occurs among all remaining candidates, the election shall be ruled indeterminate, and another election shall be held the Friday following the initial election. In this Second Election, voters may rank only the remaining candidates or abstain. Write-in candidates and "NO" shall not be allowed. The Count Process shall follow the procedure in Section 6.

In the event of a tie among all remaining candidates in the Second Election, a meeting shall be convened within ten days after the reporting of the tie, and all scheduled elections shall be postponed until after the meeting. A debate between the remaining candidates shall be held at the meeting, under guidelines established by the Board of Directors. Immediately after the debate, a Final Election shall be held. Procedures shall follow those of the Second Election, except that voting shall be open for a period of four hours, and ballot boxes shall be made available only at the location of the meeting.

**SECTION 8.** The Election Chairman

must release and post the report of the Election Committee no later than 10:00 A.M. on the second day following the election. This report shall be posted in each of the undergraduate houses and at the office of the Master of Student Houses. However, numerical results will not be made public until all officers have been elected. All protests must be given in writing either to the President, the Chairman of the Executive Committee, or the Election Chairman. If no protests are received prior to 8:00 P.M. on the second day following the election, all ballots shall be destroyed and the report of the Election Committee will be considered valid and final.

Upon receipt of a valid protest, all scheduled elections must be postponed for one week, pending resolution of the difficulty. The Executive Committee shall have the sole power to consider the validity of protests and to reschedule invalidated elections.

**SECTION 9.** In the event of a vacancy on the Board of Directors, the Executive Committee shall appoint an individual to fill the office temporarily and to perform its duties without vote on the Board of Directors, unless the vacancy was due to "NO" winning the election. In the event of a vacancy of

any other elected office of the corporation, the Board of Directors shall appoint an individual to fill the office temporarily, unless the vacancy was due to "NO" winning the election. In either event nominations for the vacated office shall be opened within a period of seven (7) days from the occurrence of the vacancy. In the event of a vacancy on the Board of Directors due to "NO" winning the election, the Executive Committee may appoint an individual to fill the office and perform all of its duties, until the end of its term or another individual is elected under the terms of section 12. In the event of a vacancy of any other elected office of the corporation due to "NO" winning the election, the Board of Directors may appoint an individual to fill the office and perform all of its duties, until the end of its term or another individual is elected under the terms of section 12.

**SECTION 10.** Installation of all officers shall take place at the second meeting of the Board of Directors following the completion of officer elections (except as provided elsewhere). An oath of office shall be administered by the retiring President to the incoming President which may take the following

CHANGES, page 6

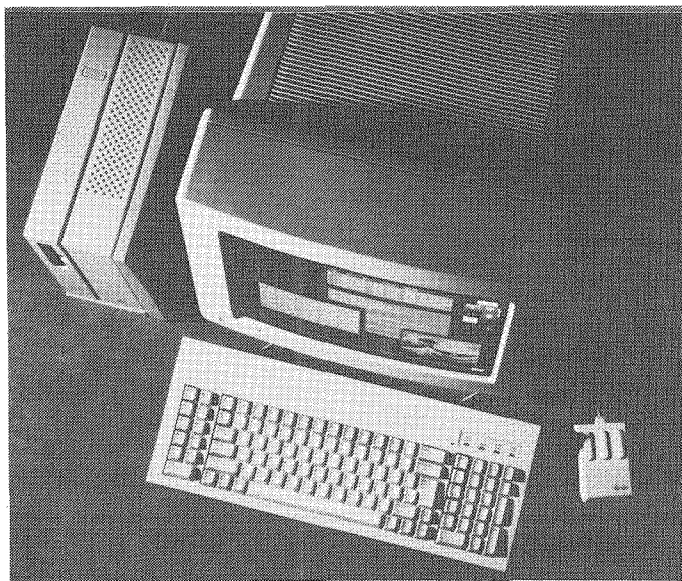
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sports

# May Wins Homeboy Triathlon; Heptathlon Planned for Saturday

by Andrew Zug

This past weekend, reports abounded of sleek athletic people sporting race numbers magic-markered on their legs. It was immediately struck upon as a status symbol, and people started to pine "Gosh, I wish I had a number written on my calf," and thus asked "How could I get one?" Alas for them, last Saturday was the only chance to get these coveted symbols of athletic prowess as that day, Club Homeboy held its Spring Triathlon. First year grad student Scott May did not miss his chance, instead he showed his mettle by winning the triathlon in the worst weather yet to hit a Homeboy event. In the middle of the opening 4.0 mile run, the skies unleashed a cloudburst upon our valiant competitors that forced the postponement of the bike portion until skies cleared and roads drained.

May came in from the run in third place, following closely behind Andy Zug and Mike Pejic. After about forty-five minutes of rain delay, the race was resumed and May and perennial Homeboy Phil Lovalenti (who has yet to miss a Homeboy race) set the early pace on the bike. The bike course was four laps around the run course that featured a short but steep hill that was made even more difficult

by the wet conditions. Zug promptly ended his race by flatting his rear tire after two miles, while Pejic suffered at the hand of the wet roads and wiped out (but continued the race). Despite the delay, the bike still proved to be a risky venture as a total of three people wiped on the wet roads. The fastest bike split of the day was handed in by EE prof and Homeboy relay John Doyle. May had the second fastest split, followed closely by alumnus Derek Slye and Homeboy newcomer Foley Weems.

In the pool, grad student and Caltech legend Dave Geraghty (relaying with alumnus Chris Campo) handed in the fastest split, while tireless Scott May scorched the water to edge out Clint Dodd who was relaying with Doyle and Ryan Naone. With May's improvement over his fourth place finish in the last Homeboy event, he established his rule over the Homeboy circuit and it seems that it could be a while before he is unseated.

Club Homeboy would like to thank everyone who came out and participated, even when the weather turned ugly. A special thanks is owed to Cathy Sauter who essentially single-handedly timed the race.

For this week, Club Homeboy is holding its always exciting Spring

Heptathlon. This is an informal event that features the 100 meter intermediate hurdles, high jump, shot put, 200 meter run, long jump, javelin throw, and 800 meter run. It is run and scored according to women's collegiate rules. This event is run at a more relaxed pace than your typical Homeboy event and is an opportunity for people to try a lot of track and field events that they may have never previously done. It features amusing performances of competitors out of their field (skinny runners throwing the shot; shot putters running the 800 m etc.) as well as experienced track and field athletes who can help you learn what to do and not do in the high jump or javelin or other events. So come out for a low-key, educational event. There will, of course, be plenty of food and drink. The Heptathlon will be held this Saturday, May 22, at 11:00 A.M. at the Caltech track. For more information, call Andy Zug at 577-2772. If you are not a student and do not have a gym membership, call Andy so that he can arrange to have you let into the gym.

Below are the results from the Homeboy Spring Triathlon. Note that the bike to swim transition is included in the swim splits.

# BDR Audience Delighted by Blew, Stale Urine

by Anne Dudzik

Last Saturday, Blacker House was infiltrated with four local bands at BDR. One of the more recently formed groups was Blew, a.k.a. Bleu, or Blue, formed last October by Rob Cresswell and Josh Dyer. The members of Blew think of their music as being along the lines of folk rock, although they have started to develop a harder, sharper sound. Their Caltech debut was at Dabney's Drop Day Party second term, and they had previously played at the E-Bar. Blew is comprised of Fred Caldwell on drums and guitar, Andrea Cavalluzzo on vocals, Rob Cresswell on guitar and drums, Josh Dyer on guitar and backing vocals, and Heidi Hofer on bass, with manager Dave Liney and engineering assistance from Trylaen. They are currently sketching out a polished demo and working towards playing at other colleges.

Blew's recent, harder sounds are especially impressive. Three highlights are "I Blame Myself," "Blew," and "Bruise." "I Blame Myself" has strong melodic vocals by Andrea Cavalluzzo, and an intricate bassline written by Fred Caldwell and played by Heidi Hofer. "Blew" is their hypnotic choice for a theme song, with its tribal style and solid stage performance. "Bruise," written by Josh Dyer, is a new song which shows all of the strengths of the band's trend towards faster, more defined beats.

Blew has recently landed a gig playing in front of Winnett (between the Y and the bookstore) on Friday, May 28. Expect to hear their own fluid tunes, with a few covers thrown in. Blew's covers are always well received, not only because they are performed well,

but because they manage to cover a wide range of music, unlike many bands whose covers dwell strictly in the domain of metal or pop. Instead of attempting to find and cover songs that are near clones of their own style, Blew chooses songs ranging from hard core to obscure folk and post-modern. For a band with so many aliases, they have a very defined sound.

Stale Urine also played at BDR, although their show was cut short by time constraints. They decided not to play the ever-popular "The Third Rail", instead playing several new tracks. Stale Urine is not nearly as polished as Blew, but that's probably intentional. The Stale Urine lineup is Mike Benedetti on accordion, Chris DuPuis on rhythm guitar, Jon Lange on lead vocals and accordion, Mike Radford on wastebasket, Kurt Revis on electric guitar/drill, and Adam Villani on large chunks of metal.

One of the band's most interesting songs was "Music in Two Parts," by Adam Villani. John Cage would have liked this minimalist piece, played with various car parts. All of the songs written by the band were enjoyable, although the covers were sometimes strange. The cover of the Go-Go's "Head Over Heels", for instance, was about as impressive as the original song. "Things Fall Apart" had great lyrics, and all of the songs were impressive considering that the "instruments" used probably have a total range of about two octaves.

Due to time constraints, Anne chose not to review the Milkhouse Vandals or The Ninth. The editors would like to mention that The Ninth played a tremendous set. As for the Vandals, any band with Xeno in it can't be bad. Hey, the man's got atmosphere.

# Flying Brooms Triumph in Broomball

by Seiya Fukuda

May 8, 1993 was a night of tribute to the utility of brooms, to one of the most important functions of duct tape, and to the precursor of hockey and tennis shoes (they're not called broomball shoes for some reason or other). It also heralded the ascension of a new team to the title of Broomball champion. This term's Broomball pitted some hot rivalries and very talented teams against one another to make one of the roughest and most exciting tournaments in its history.

We started with a very tight game between the Damn Scurves and the French Flying Brooms which broke in the last few minutes from

a scoreless game. This set the tone for the whole night. Team Moosebreath and Cocktosgenteens played well in the face of some really tough teams. And the Chicks returned, showing some audacity and experience, with some good breaks up the ice and determined goaltending. The seniors played until late though Ditch Day was Tomorrow, and showed a tireless effort despite their tiredness. The Weasels and Plaid had a gritty game which ended up in a contestable last-second goal to tie. The Scurves cheered mightily but were denied the chance at the playoffs. Truck and the Brooms fought a very even and exciting matchup in the first semi-final, concluding after a sudden-death overtime in a great shoot-out, with the Brooms one up. The final was

played in the slanting sunlight of morning through the windows, another tense game of wonderful passing and great goaltending ending in overtime with a hard shot up close. The Brooms stopped Team Freddie in their drive for four.

Altogether, it was a passionate and fun tournament. Thanks to y'all and to Laura and Dave for helping out.

Here are the final standings for Broomball, third term '92-'93:

1. Flying Brooms
2. Team Freddie
3. Larger Than A Truck
4. Plaid Thunder Penguins
5. Damn Scurves
6. Cocktosgenteens
7. Ditch Day Is Tomorrow
8. Ice Weasels
9. Team Moosebreath
10. Chicks With Sticks

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Triathlon Results					
Place	Name	Run Split	Bike Split	Swim Split	Total
1	Scott May	24:11	44:44	5:12	1:14:07
2	Ryan Naone	25:50			
	John Doyle	42:54			
	Clint Dodd			5:46?	1:14:30?
3	Derek Slye	25:11	44:57	7:16	1:17:24
4	John Pham	25:58	45:52	7:50	1:19:40
5	Chris Campo	25:03	52:33		
	Dave Geraghty			4:58	1:22:34
6	Foley Weems	28:29	45:30	8:27	1:27:11
7	Cindy Ball	28:40			
	Mark Huie	53:31			
	Mark Montague			8:14	1:30:25
8	Mike Pejic	23:55	56:53	10:07	1:30:55
9	Cheryl Anderson	34:20		6:00	1:37:00
	"Q" Bilimoria	56:40			
10	John Lewis	20:00	53:30	10:16	1:42:46
11	Laurent Stadler	30:22			
	Andre Yew	1:06:02			
	Jamie Sherman	6:15	1:42:49		
—	Phil Lovalenti	47:57	7:37		
—	David Lande	31:37	crash		
—	Andrew Zug	23:50	flat		

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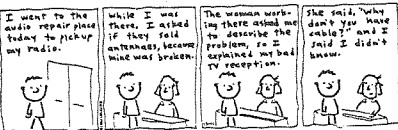
continued from page 5

# Changes

lowing form: "I do solemnly swear that I will support the Articles of Incorporation of the Associated Students of the California Institute of Technology, Incorporated, and that I will discharge the duties of the office to which I was elected to the best of my ability." The incoming President shall administer the oath of his choice to the incoming Board of Directors.

SECTION 11. All officers of the Corporation shall retire immediately upon the installation of their respective successors, with the exception of the Treasurer, who will remain as a non-voting officer until the beginning of the new fiscal year as per Article IV, Section 5. The new officers shall satisfy all qualifications and perform all duties as specified in Article IV.

SECTION 12. Upon presentation to the Board of Directors, by any member of the corporation, of a petition bearing the signatures of twenty percent (20%) of those eligible to vote for an office in which there is a vacancy because "NO" was the winner of the election, a new election for that office shall be held. Signatures will be valid only if the petition was signed not more than seven days before it was submitted to the Board of Directors. Nominations for the new election and the new election shall be held in accordance with the provisions of Article VIII; except that the nominations will be open on the Wednesday immediately following the presentation of the petition to the Board of Directors.



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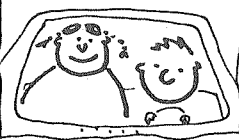
NATIONAL SUMMER SUBLET EXCHANGE List your apartment or find sublet in Boston, New York City, Chicago, Washington DC, San Francisco, Los Angeles, or other US cities. A service for students nationwide. Call (800) 877-3007.

RATES.....\$4.00 for first 30 words; ...10¢ 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.

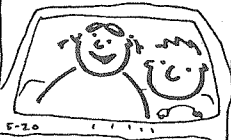
Change ARTICLE VI--EXECUTIVE COMMITTEE as follows:  
In Section 2, paragraph 2, replace "Section 7" with "Section 9".  
Change ARTICLE XII--COMMITTEES as follows:  
In Section 4, add the following sentence to the end of the section: "The Election Chairman shall maintain a Manual of Election Procedures."

## Jim's Journal

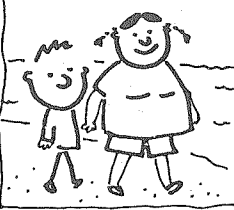
We drove up the east coast more today, through North Carolina and Virginia.



"I just can't believe how beautiful this is," Ruth said.



We stopped at a beach and walked along the surf.



We passed a little kid, playing with an up-turned bucket in the sand, who said, "Don't smash my castle, please."



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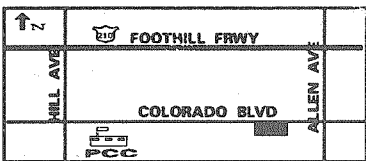
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\* Note: asterisks indicate new announcements.

Notices

**1993-94 H&SS Course Schedules**—Preliminary schedules of courses to be taught in the Humanities and Social Sciences during the 1993-94 academic year are available in 228 Baxter.

**New Telephone Prefix**—effective July 1, 1993, the telephone prefix for all campus offices will be 395 (formerly 356 or 397). All data lines, fax numbers, and private phones are not part of the campus switchboard, and are not affected by this change.

Events and Services

\* **Caltech Bike-to-Work Day**—Wednesday, May 26 in Winnett Quad, Noon to 1:00 P.M. Do the right thing to help launch Caltech's new Cyclo-Commuting Incentive Program. Free refreshments and other give-aways for those who bring their bikes by, along with equipment demos and safety evaluations. For further information, call Riley Geary at 356-6955 or Commuter Services at extension 3230.

\* **KSA Magic Mountain Trip**—will be held this Saturday. All ASCIT members are welcome. Transportation is on us, and non-members of KSA pay reduced fare. Meet in front of Red Door on 22nd at 9 A.M. sharp. Non-members must sign up by Friday night. Questions and signups are to be directed at Henry Choi (x6078).

\* **Caltech International Students** are invited to participate in the Pasadena Rotary Club's **POST EXAM OUTING** to the spectacular Yosemite National Park. This is a three-day trip from June 18 till June 20, 1993. The cost of \$50 per person includes transportation, park entrance fees and accommodation. Students must sign up by May 28. For information, call International Student Programs, x6330.

**BOOK SALE**—Friday, May 21, 8:30 A.M. to 2:30 P.M. in Dabney Lounge (enter through Dabney Garden). Don't miss this once-a-year opportunity to buy books at super bargain prices! Sponsored by FOCAL (Friends of Caltech Libraries).

**Caltech Velo**—The Caltech Bicycle Club meets Thursday, May 13 at 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 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 8:15 A.M.: about 15 easy road miles, mountain bikes welcome. Rides leave at the time listed, so please arrive a few minutes early. For information, contact Michael Kantner, x4882 or kantner@hot.caltech.edu (e-mail).

**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. For information, call Aimee Ellicott, Ph.D. or Glenn Maarse, M.A. at the Student Counseling Center x8331.

**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 members of the Caltech community looking for a supportive context in which to address questions and concerns about sexual orientation—including coming out, being out, self-discovering, 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,

Events and Notices

please call 356-8331.

**Caltech Y ExComm Meeting**—The Y invites anyone who wishes to co-sponsor an event to attend on the first or third Monday of each month.

**Caltech Hillel/Jewish Community Weekly Meeting**—An informal gathering, every Thursday at noon in the Y lounge. For information call Caty Konigsberg at (213) 259-2959.

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

**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 Gerfen at 356-4886.

**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

\* **Chamber Music at Noon**—Friday, May 21, 1993 in the Beckman Institute Courtyard. Bring your own lunch, we'll bring desert. Pieces featured will include Danzi's "Quartet in B flat," Tomasi's "Trois Divertissements," Albeniz's "Trois Pieces," and Joplin's "Cascades." Sponsored jointly by Student Affairs and Friends of Caltech Instrumental Music.

\* **Chamber Music**—A concert will be held at 8:00 P.M. in Dabney Lounge on Saturday, May 22. This concert will include Mozart's Quintet in A Major, K. 581, Beethoven's Piano Trio in E flat, Op. 70, No. 2, and Brahms' Piano Quartet No. 3 in C minor, Op. 60. Admission is free, and there will be a reception following the concert.

\* **Caltech Anime Society** is showing Japanese films, subtitled in English, in the SAC TV Room this weekend. These will include on Friday, May 21: Arion, at 7 P.M.; Arslan War Record, at 9 P.M.; and Record of Lodoss War, at 11 P.M. On Saturday, May 22: Otaku No Video, at 6 P.M.; Project A-Ko, at 8 P.M.; and Video Girl AI, at 10 P.M. On Sunday, May 23: Dominion (Acts I-IV) at 5 P.M.; Patlabor: The Movie, at 7 P.M.; Dirty Pair: Project E.D.E.N. at 9 P.M.; and Assemble Insert, Part 1&2 at 11 P.M. For information, contact Roy Jones in Ricketts 45, MSC #673.

\* **Chamber Music at Noon**—Friday, May 28, 1993 in Dabney Lounge. Lunch will be served. Pieces featured will include Saint-Saëns' "Caprice on Danish and Russian Arts," "Overture on Hebrew Themes," by Prokofiev, and Dvorak's Piano Quintet in A Major. Sponsored jointly by Student Affairs and Friends of Caltech Instrumental Music.

\* **Chamber Music**—A concert will be held at 8:00 P.M. in Dabney Lounge on Saturday, May 24. This concert will include music by Telemann, Pepusch, Geminiani, Ibert, Distler, Beethoven, and Mendelssohn.

\* **The Ethnic Visions film Series** continues with *To Sleep With Anger*, Monday, May 24, at 7:30 P.M. in Baxter Lecture Hall. Writer/director Charles Burnett will be present to introduce the film and lead a discussion. Open to the Caltech community.

**Masters of Magic and Mystery**, featuring Jeff Martin and Ed Alonzo, will be presented on Saturday, May 22, at 2 P.M. in Caltech's Beckman Auditorium. This is a 60-minute Family Faire presentation designed especially for children and their families. Tickets: \$8.50 adults, \$4.50 children; available at the Caltech Ticket Office and all Ticketmaster Ticket Centers (call (213) 480-3232). For information, call x4652 (V/TDD x4688).

**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.

Lectures

\* **"Managing Diversity in the JPL Environment"**—Dr. James King, Jr., JPL Assistant Laboratory Director, Technical Divisions will give this discussion on Tuesday, May 25, 1994 at 12:00 noon in 180-101 Conference Room. JPL must not only learn how to do things better, faster, cheaper: we must also learn how to adapt to a changing workforce. It is projected that by the year 2000, three out of four people coming into the workforce will be women or minorities. Managing diversity calls for the empowerment of people who are diverse. This means that managing diversity is a prerequisite for full implementation of total quality management.

\* **The Prospects for Real Deficit Reduction**—Michael J. Boskin, Visiting Scholar at the American Enterprise Institute and former Chairman of the President's Council of Economic Advisors, will present a major address at the Caltech campus in Pasadena at the Beckman

Auditorium on Monday, June 7, 1993 from 8:00 to 9:00 P.M. Mr. Boskin will talk about "The Prospects for Real Deficit Reduction." In 1988 Michael Boskin assumed the position of Chairman of the Council of Economic Advisors and chief economic advisor to the President of the United States. Prior to that he was professor of economics at Stanford University and director of the Center for Economic Policy Research. His extensive research and publishing covers social security financing, tax reform, capital formation and the impact of public debt on economic growth. He will address the key issue of whether the U.S. budget deficit can be meaningfully reduced through the economic policies and fiscal measures currently being debated and, further, what steps need to be taken to bring the deficit under control in the longer term. The address is sponsored by the California Institute of Technology Industrial Relations Center. Special sponsorship of this event was provided by the Ann Peppers Foundation in memory of Giles S. Hall, Jr. There is no charge for this event. For more information, call (818) 356-3746.

Scholarships, Internships & Competitions

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

**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.

For information on the following scholarships, please contact the individuals listed at the end of each scholarship.

**Unique Scholarship Opportunity offered by The Kirby Company.** "Makin' the Grade" is a scholarship program designed to offer college students a realistic alternative to dead end summer jobs, with emphasis on time management, communication skills, and professionalism in an actual business setting. Participants work as full-time and part-time independent Kirby dealers during June, July, and August, competing for monthly scholarships. For more information, call (216) 228-2400 or write The Kirby Company, 1920 West 114th Street, Cleveland, OH, 44102-2391.

**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 \$29) No. 10 envelope to, The John Gyles Education Fund, Attention: R. James Cogle, 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.

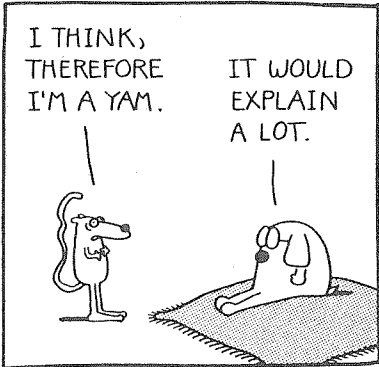
**Summer Work-Study**—Information and applications for 1993 Summer Work-Study are available in the Financial Aid Office. If you are interested in Summer Work-Study, please submit the required application as soon as possible, but no later than June 1, 1993. Your entire financial aid application must be completed by June 1 to be considered. Summer Work-Study determinations will be announced as completed applications are reviewed. If awarded, the work-study funding will begin with the July 5th payroll period.

Applications are now available for the **National Hispanic Scholarship Fund**. Students must be U.S. citizen or permanent residents of Hispanic parentage, who has completed at least fifteen units of college work prior to submission of this application. Students must be enrolled in college for the Fall of 1993 and enrolled in attendance through the Spring of 1994 as full-time, day-time students. The postmark deadline is June 15, 1993.

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.

Hot and Throbbing

**Rivet**—Planning has begun for this year's low-budget edition of the *Hot, Throbbing Rivet*, Caltech's very own compendium of humor and bad taste. The *Rivet*, which will come out as the year's last *Tech*, is widely respected in the publishing world, and resembles the *Nothing*, except that it doesn't suck. For more information on how you can cop the hot, throbbing action, contact the *Tech* office by campus mail or by e-mailing to editors@tech.caltech.edu.



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