

**Win a Date With Andre!**  
or some celebrity student at the 2nd Caltech Y Decompression Dating Game. Prizes include dinners, movies, and trips to Palm Springs. The "Dating Game" will be Saturday, March 10 at 8pm. Call Dwight



Gene Wilder takes a break from filming *New York Times* in the Athenaeum.

## Stars at Tech

by Lindee Goh

Lights, cameras, action! Is it a camera crew? Are they filming here? There's Gene Wilder! I heard Farah Fawcett was in it. What's going on here? These were some whispers heard among curious bystanders early on Monday morning as they stared at the orderly commotion of lights, screens and other movie-making equipment in front of the Athenaeum.

Yes, there was a movie being filmed on the Caltech campus at the faculty club from Monday to Thursday. The working title is *New York Times*—as in life and times in New York.

The movie focuses on relation-

ships between men and women; specifically, it is a comedy-romance about a man falling in and out of love. The movie stars Gene Wilder as Duffy, Christine Lahti as Meg, Stephen Tobolowsky as Hugo, Mary Stuart Materson as Daphne, Susan Ruttan (of *L.A. Law*) as Claire, Jean de Baer as Vivian, and Robert Prosky as E.T. Leonard Nimoy directs (yes, he was at the Athenaeum to the delight of some *Trek* fans). Jon Avnet and Jordan Kerner are the producers. Paramount is the distributor.

The movie crew will continue filming in locations around Pasadena until March 5 and then departs to New York the next day. The movie itself will be released in August or November of this year. Watch for it!

**Boffo-Bonecrusher II**  
Saturday, March 3, 11:00 pm  
Game Time Teams Scorekeeper

11:00 pm	3 vs. 4	6
11:25	5 vs. 6	8
11:50	7 vs. 8	2
12:15	1 vs. 2	10
12:40	9 vs. 10	3
1:05	2 vs. 3	5
1:30	4 vs. 5	7
1:55	6 vs. 7	9
2:20	8 vs. 9	1
2:45	10 vs. 1	4
3:10	Playoffs	

### Team Names

1. Club Homeboy
2. "I don't know"—Chris Goddard
3. The Samantha's
4. Damn Scurves
5. Team With John Krowas 1st
6. Roadkill
7. "Free Beverage"
8. Sinister, Icy Broomball Team of Death
9. Team with Delwyn 1st
10. The Brutes

The new playoff format: game 1—1st place vs. 4th place; game 2—2nd place vs. 3rd place. Winner of game 1 plays winner of game 2. The championship game will be three 10-minute periods.

Any special requests for refreshments should be phoned in before 7:00 pm Saturday. Call Dwight at 795-8606.

## Pasadena Bans Malathion

by Mel E. Thighon

In order to protect a \$16.6 billion a year agricultural industry, the state of California has been fighting a running battle against the Mediterranean fruit fly. Recently it has also had to fight its own citizens over its program of aerial pesticide spraying. At night, helicopters have been spraying a mixture of malathion, an organophosphate pesticide, and corn syrup to attract the flies.

Farmers claim that this is necessary to keep the flies from invading the fruit-growing regions. The mostly urban areas which are being sprayed are less than enthusiastic about being sprayed repeatedly with pesticides. The cities of Los Angeles and San Marino, as well as other municipalities, have filed suit against the state in a gambit to have the spraying stopped.

Pasadena went even further, passing an ordinance designed to stop the spraying by banning the type of helicopter flights necessary. Since Pasadena could not legally pass such a law (it violates FAA regulations and would be superseded by the state of emergency which has been declared by the state to deal with the flies), the city is now considering filing suit against the state.

Although the spraying is inconvenient because of the noise and the mess left on uncovered cars, the largest concern is the health risk. It has been claimed that malathion has not been sufficiently studied, and is unsafe.

## Feminism Dissected

by Ch. Dunn

The widely divergent opinions held by feminist groups on issues of the application of technology to human reproduction provides one of the best discriminants for feminist classifications, according to Professor Ruth Schwarz Cowan.

Those distinctions, especially those concerning prenatal diagnosis, served as the basis for Cowan's SEPP (Science Ethics and Public Policy) lecture last week.

There are, says Cowan, three generally observed divisions of feminism: liberal, radical, and social. The liberal feminist reaction to amniocentesis (the first reliable form of prenatal diagnosis, in which the analysis of a sample of amniotic fluid can indicate the baby's gender and the presence of certain genetic disorders) includes both acclaim and reservation.

The information from amniocentesis allows a woman, particularly one of "advanced maternal age" or with a family history of genetic disease, a measure of confidence that her baby will be born healthy, but for the unfortunate 2% who receive positive test results,

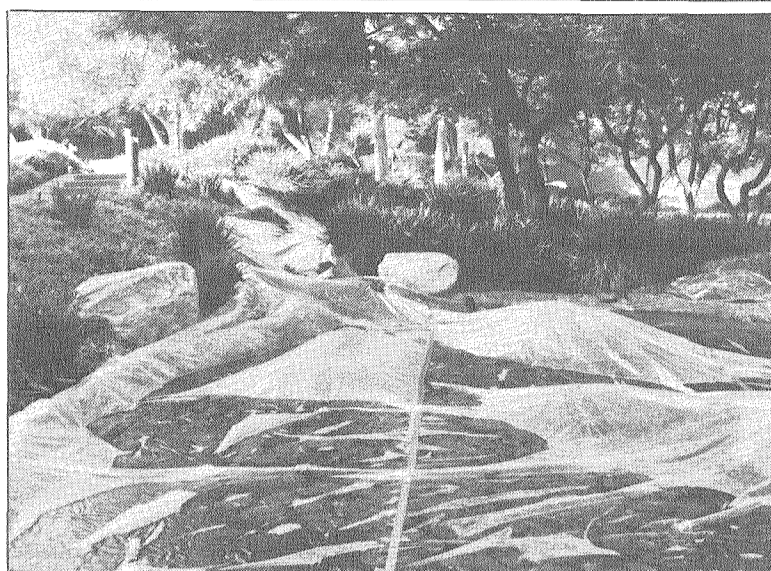
the decision to abort can lead to an array of difficult explanations and emotional problems.

Radical feminists see the enemies as "both patriarchy and capitalism," states Cowan, and they see reproductive technologies as agents of both. They fear eugenics, biological control of women, and discrimination against the disabled, all of which they link to prenatal diagnosis.

Cowan infers a hidden agenda: "Radical feminists, I am venturing to guess, do not like prenatal diagnosis for precisely the same reason that medical geneticists do: amniocentesis encourages more women to have more babies."

Socialist feminists most closely approach "the goal of establishing a feminist ethics" by "systematically analyzing the social policy implications" of the behavior and attitudes of men and women faced with the abortion of a wanted pregnancy.

Cowan is Professor of History at the State University of New York, Stony Brook, and for this year, Sherman Fairchild Distinguished Scholar at Caltech.



The fish don't like malathion spraying either.

## CRIME AND INCIDENT BEAT

**CRIME TIP:** Don't buy items being sold by solicitors. If solicitors are not successful they will not return to campus. Report any solicitors to Caltech security immediately.

- 2/21 Both wheels were stolen from a bicycle locked at the housing office between 2/16 and 2/19. The bike was used by the housing office and is Caltech property.
  - 2/21 A fire alarm was pulled in Guggenheim in response to smoke observed coming from the subbasement. Fire and paramedic crews responded. The smoke was believed to be emanating from the electrical system; the electricity was shut down and the smoke dissipated. See last week's Tech for the complete story.
  - 2/21 A worker in the women's gym returned to his office at 10:39 p.m. to find two strangers. One, the suspect, demanded to use the phone as he was talking on it. The suspect became irate and threw a punch at the witness. The other stranger ushered his companion outside. The two left in a vehicle; identification of the license plate indicated that the vehicle is registered in the name of a man who worked for Caltech four years ago.
  - 2/22 Caltech security received numerous calls from the Catalina complex concerning a solicitor. Security accosted the man; he was soliciting money for St. Mary's Outreach Mission in Los Angeles. The man had no permit and was advised that he would be arrested if found again on Caltech property.
  - 2/22 A Camelot cast member was struck on the head with a seven-foot wooden stake during at 11:25 p.m. She was dizzy but conscious. Paramedics checked the victim; the MOSH took her to Huntington Memorial Hospital.
  - 2/23 A man approached two Caltech security officers and requested permission to be let in to Noyes so that he could get dry ice for a production in Ramo Auditorium. The man had no Caltech ID and no written authorization, so security refused. The man began uttering obscenities and left in a vehicle at a high rate of speed. As he left, he had to swerve violently in order to avoid hitting a person crossing Wilson Street.
  - 2/23 The car cover from an auto parked in the Holliston parking lot was reported stolen.
  - 2/23 Security received a suspicion person call: there was a person loitering on the eighth floor of Millikan Library. A search of the area revealed nothing.
  - 2/24 A Sony Walkman and a silver necklace were reported stolen from a Baxter Lecture Hall room between 11:30 p.m. on 2/23 and 4:00 p.m. on 2/24.
  - 2/26 A faculty member observed a man at the California Blvd. entrance to the SAC. He motioned as if to unlock the door, but the curiosity of the faculty member was aroused because he knew the door to be unlocked. The faculty member called security, who approached the suspect. The suspect stated that he was visiting a friend who was a student, however the name given was not on any student roster. The suspect was told he would be arrested if found on Caltech property again without a host.
  - 2/27 At 7:14 p.m. a professor in Watson Lab observed a suspicious person enter the locked lab behind a group of people the door was being held open for. It appeared to the professor that the suspect was attempting to enter the building before the door closed. The professor asked the suspect, who appeared as if he might be an undergraduate, about his purpose in the building. When the suspect did not answer, the professor asked him for ID. When the suspect stated that he had no ID, the professor suggested that he wait there until security arrived. With this the suspect produced ID. The suspect turned out to be Jack Prater, a resident of Lloyd House.
- Total dollar value stolen this week: \$130 plus unknown dollar amounts.

INSIDE

Relief From Track,  
Climbing Basketballs

page 8

Movie Beat With  
Varoujan Gorgian

page 4

Due to space constraints,

Jim's  
Journal

Next Week

# Letters

## Damn Scurves

To the Editors:

It was late in the morning, hot and sunny. I had nothing to do for the day but ride my motorcycle. The feeling of the wind streaming through my hair with the warm sun on my face was something I always looked forward to. But before I get out of the driveway, my mother yells out, "Be sure to wear your helmet!"

"But mom!"

"We've been through this before. Don't make me talk to your father again."

So I decided to walk down to the local burger hang-out to see if anything was happening. Halfway down the steps my mother says, "You can't go down there without your shirt and shoes. Haven't they kicked you out enough times for you to remember? Besides, I'd like you to go shopping with me."

"Ok mom."

I put my shirt and shoes on and get into the car. Then my mother starts the engine and looks at me.

"We're not going anywhere until you fasten your seat belt."

"Yes, mother."

George Orwell envisioned a world with Big Brother watching. Fortunately, we don't have Big Brother per se, or the thought police. What we are developing is a Big Mother, the government agencies to enforce your mother's pet peeves. Most kids can't wait to move out on their own, to live their own lives. But now they find laws forcing them to live the way their mother wants.

—Neil Shire

Director, The Bare Feet Society  
P.O. Box 7492  
Eugene, OR 97401

## Standards Not Lowered

To the Editors:

The article "Controversy Over Diversity" contained some misconceptions that have cropped up repeatedly in discussions of this year's admissions procedures. The Caltech community deserves to have these clarified.

The article stated, "Some students and faculty members felt that the admission staff went out of its way to admit a more diverse student body at the expense of the Institute's overall academic

standards." The admissions staff per se does not admit the class. The Freshman Admissions Committee is composed of four staff, eleven faculty, and five students, each of whom has an equal vote. Therefore, the freshman class is admitted primarily by Caltech faculty and students.

There is an assumption that academic standards were lowered, and have suffered since the new freshman class arrived. First of all, there is not a shred of evidence to support this assumption. Secondly, the assumption is being made that *because* there are more women, the standards *must* have been lowered. How else could all those girls have gotten in?

People are not generally aware that last year we sent a letter to female high school students who had scored very high on the PSAT and who had indicated an interest in science, but who had not applied to Caltech. We encouraged them to think about us. This generated many more applications from women than we had had before, so we simply had more women to choose from. Believe it or not, many women *were* denied admission because they didn't meet the academic standards! We have done the same thing this year.

The article also implied that some people thought that grades and test scores were the main factors in evaluating the applications of white and Asian males, but that "other criteria" were used for women and minorities. This is not true. All applicants, regardless of the color or shape of their skin, must first meet rigid academic requirements. After this hurdle has been passed, these very single application is studied carefully on the basis of "other criteria". Basically, we try to determine whether the applicant has taken full advantage of all opportunities available to them, and whether it seems that they will make a positive contribution to student life. It must be remembered that about half of the total applicant pool is "academically qualified" if we are looking only at grades and test scores. We have always considered "other criteria" for all applicants.

This issue of whether or not the current freshman class is fully qualified would never have come up if there had not been a larger percentage of women than in the past. The fact that so many people were

quick to assume that the standards *must* have been lowered is disheartening, and certainly must make the current freshmen, especially the women, doubt their superb qualifications for study here. What would be the point of admitting unqualified students for the purpose of achieving diversity? They would quickly flunk out, and our reputation would suffer tremendously. As we say in the admissions field, we strive to admit not only next year's freshman class, but the senior class of four years from now. And, I might add, the world leaders of twenty years from now.

Sincerely,

—Mary Whaley  
Caltech Admissions

## Males Victimized

To the editors:

Commendations to the writer of the 2/23 letter concerning male sexual coercion for it reminds one of an often overlooked point — males too can be sexually victimized. According to the LA county rape hotline, 1 out of 5 males will encounter some form of sexual victimization within their lifetime (vs. 1 out of 3 for women).

Specifically, 1 out of 10 males are survivors of child sexual abuse (defined as fondling to intercourse for ages 1-18). Though incidents of sexual violence decrease as men reach adulthood (unlike for women), such incidents do occur. These men are traumatized in a similar fashion as women but there is little to no support for male survivors. Particular consequences of such violence are feelings of powerlessness and concerns about sexuality and masculinity.

Lack of a counseling network for men is also disturbing when it is noted that at least 90% of sexual crime against men and women is perpetrated by men and that up to 90% of incarcerated sex offenders report having experienced some form of sexual victimization (statistics vary according to the study). Early intervention and prevention seems to be the key to breaking this cycle. Note: This does not imply that all survivors become victimizers. Perhaps more counseling programs will become available as the general attitudes toward male (and female) survivors become more sophisticated.

—Kelly Goodwin,  
graduate student

## Langdale Foggy

To the Editors:

I got a few of my "quizzes" back since last week and a couple of people came in to discuss my views of the nature of *The Tech*. I have a better grasp of how others see all this and learned that my point of view is a little foggy.

*The Tech* is a window on the culture, values and style of Caltech for impressionable students (and their parents whose opinions are so influential at that stage). I see the bridge between high school and college as a narrow, rickety structure. I think the view from that bridge yielded by *The Tech* is likely to jar kids off of it.

We won't link front-page photos of the *N.Y. Times* with those in *The Tech*, but the uninitiated will. Imagine a stranger remembering the photo of the young man confronting the tanks in Tiananmen Square and linking it to the picture of the Caltech student body president urinating in public. What will they make of the character of our campus, thinking that the freedom earned to construct a Caltech has led to such apparent abuse. Not knowing about some of Caltech's inside traditions, is the view that they will develop likely to yield freshmen of character.

None of us will have the chance to put such pictures or the ramblings of *Inside World* into a context for them. The community insistence on an "honest" representation of the mores of the campus will actually lead to a *distorted* image. I haven't met a student here yet who would knowingly and purposely hurt someone. I regularly benefit from the empathetic attitude here and have found that understanding is achieved in my one-on-one conversations, even when disagreement continues. That is just what one would expect from intelligent, well-educated people.

I applaud the apparent community conviction that others have the right to openly express their thoughts. I am concerned, though, that conviction about rights reduces attention to responsibilities. Does "Page House Purity Symbol" (2/23 *The Tech*) really want to tell women concerned for their safety that his vulnerability is parallel to theirs? Does the author of the *Dabney Inside World* piece (same issue) really want to profane the

sacred symbol of others—and do those others suppress response for fear of censure? Does the woman named in the *Ruddock Inside World* segment (same issue) feel empowered to object to the salacious references to her body? These questions concern me.

But my primary wish is that we broadcast an appropriate message about Caltech in our official newspaper. It is an exciting place with remarkable people. It is far better than it thinks it is—and that's part of its charm. Its nature and character must be *learned* to be understood. To whack visitors with some of its curious idiosyncrasies seems certain to cause them to bounce elsewhere—for the wrong reasons.

Caltech is not really a club. It sort of looks like one, partly because of its size, partly because of its focus on science. But truly, it is "owned" by Galileo, Curie, Franklin, Carver, Millikan and others who have sacrificed and worked to bring it into being. So *The California Tech* isn't really a club journal. It has a legacy and responsibilities. I hope for a publication intended to provide a forum for *all* the voices on campus, less committed to the raucous and mundane, already so well-known. We need a journal more attuned to the quieter among us, whose messages need amplification to be heard—the new and fragile thoughts and ideas, those which hold hope for change, which need nurturance, not drowning out.

continued on page 3

## THE CALIFORNIA TECH

Volume XCI • Number 19  
March 2, 1990

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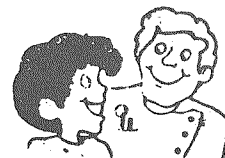
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7:30 & 10:00 p.m., Mar. 2 \$1 for ASCIT members  
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Next Week: Return of the Jedi



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Friday - Saturday 3-10:30 p.m.

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## Langdale

from page 2

Why not produce Inside World as what it is, a weekly living group newsletter? Let the houses take turns producing it with desk-top graphics and print enough copies for *inside* distribution. Then all those people who should not see Inside World won't. And those who should, will. And the newspaper could commission challenging articles and provide a forum for discussion of the important issues facing us all.

As an aside, I would encourage you who contribute to the newsletter to check with an attorney (and if you're a dependent, your parents) about libel laws once you move from behind the Caltech shield. When my son, then a UCLA student, elected to tromp across the hood of a car parked on a crosswalk to assert his rights, the financial implications to me in the face of a threatened law-suit, were quite real.

In summary, I don't want to lose people who belong here, who would come to value Caltech ideals, but who will be dissuaded by the view formed from reading the official newspaper.

Sincerely yours,

—Daniel T. Langdale  
Director of Admissions

*The Tech is not printed for the purpose of "strangers", "visitors", or as a recruiting tool for high school "kids." The Tech is the undergraduate newspaper—for undergrads. If you want a "journal more attuned to the quieter among us," then there is On Campus.*

*The Inside World are written by and for undergraduates, and thus belongs in the undergraduate newspaper, the Tech. If others find the Inside Worlds offensive, why don't they just assert their right not to read them.*

—Scott Kister,  
editor

## ASCIT MINI MINUTES

of the meeting 2-27-90.

Present: Dave Geraghty, Craig Volden, Aimee Smith, Bill Swanson, Jason MacLeod, Mark Lyttle, Gavin Claypool, Jason Curtis, Steve Harkness, Rich Reid, Dave Ross, Emily Wen, Todd Schamberger, Chris Oei, Dwight Berg, Gary Eastvedt, Sonny Arcilla, Alecia Chen, Alecia's boyfriend, Jerry Hauck, Andre Ohanissian.

**Society of Physics Students:** Chris Oei came to collect the club's budgeted money for the upcoming high school weekend.

**Protest of Bylaw Election:** Sam Dinkin and Michael Nassir protested last Friday's bylaw election on the grounds that the bylaws concerning the *Tech* were unclear in both wording and the execution of the ballot. The Excomm voted (7-0-0) that since the protest was only concerned with a vagueness in a certain portion of the ballot rather than in procedure, the only part of the election invalidated would be the bylaw changes concerning the *Tech*. The BOD supports the Excomm's decision and agrees to hold a make-up election on Friday, March 2 and the old bylaws will also be printed to reduce confusion.

**Big T:** Alecia Chen says the Big T needs \$10,000 to pay off last year's bill. She talked to Stan Borodinsky about obtaining a loan from the institution. To get this loan, the institute wants ASCIT to raise Big T dues by a dollar a quarter. The decision to bring this bylaw change to an election was tabled until next week, but the majority of the BOD is in favor (5-1-0) of the increase. For this year the Big T has a contract with Josten's, who signed a release saying they would not sue. She will bring in the contract for the BOD to approve next week.

**Organizational Staff:** Aimee Smith needs a social committee and wants people willing to help from all houses. Go talk to her if you have any ideas. Bappa didn't get CLUE reviews from first term this year, Scott needs anyone who feels like reviewing a class from first term to send their reviews to ASCIT/CLUE 41-58. Bill discusses ASCIT Van policy and what to do about people who get tickets and don't pay for them. Charge to their student account.

**The California Tech:** Sonny Arcilla, Business Manager, wants to get paid retroactively 20% of advertising revenue as stated in the bylaws. Sonny was paid 10% or \$2500, while Gavin Claypool, Office Manager, who took on some of the jobs of the Business Manager was being paid a salary at least equivalent to that of the other 10%. Sonny says since the BM is a separate job it is irrelevant, and he deserves the additional 10%. About half the people present feel that the amount is excessively high, while the other half feel obligated since it is in the bylaws and Jason MacLeod is just totally confused. The BOD votes that Sonny should get more than 10% but less than 20% (3-2-1), but the vote is totally useless, because it is only a recommendation and Sonny has already said he's taking the money, but came for expected BOD approval. The new BOD's first week and they can already waste one hour arguing over something they have no control over.

**Upcoming Topics Next Week:** New *Tech* compensation schedule, budget questionnaire discussion, and signups for appointed offices. All are encouraged to attend the next meeting, Tuesday, March 6. Free food and drink for those who show up. If you want your own copy of the ASCIT minutes send your name and address to Mark Lyttle, 1-59.

# SURF Update

by Asim Mughal

Fourteen SURFers from SURF team 89 have been selected to represent Caltech at National Conference on Undergraduate Research at Union College in Schenectady, New York in April. This will be the fourth year for the conference. Over 1,000 students, faculty & administrators are expected to attend this year's conference, said Carolyn Merkel.

It will be held from April 19 through April 21. "It gives a great opportunity for undergraduate students to see what research is being done by other students," commented Carolyn Merkel, Director of Sumer Undergraduate Research Fellowship program (SURF) at Caltech. The "conference covers broad spectrum of sciences... with outstanding keynote speakers", she added.

The students selected for the Conference, as announced by SURF office are

1. Joseph Bach
2. Sabeer Bhatia
3. David Cutrer
4. Mike Ehlers
5. Glenn Eychner
6. Laura Hernandez
7. Ari Kaplan
8. Gene Lit
9. Jennifer Low
10. Alfredo Morales
11. Asim Mughal
12. Gay Obernolte
13. Kevin Van Bladel

14. Mary Katherine Raymond (Reed College)

These students were auditioned and selected by a panel of judges. The funding for the trip is being provided by two grants, JPL, faculty contributions and SURF fund.

Talking about this year's SURF program, Carolyn Merkel said that total of 400 applications have been handed out. She made it clear that as of now, SURF office can support 95 students. JPL is expected to fund about 50 students who will be working there. NSF is expected to give grants for six SURF students. As Carolyn put it, NSF grants are restricted for off-campus (non-Caltech) students.

Answering a question, Carolyn Merkel emphasized that non-Caltech students are not funded from the SURF fund, that is, money raised by SURF office for Caltech Students. Only the outside grants which are given specifically for non-Caltech students are distributed among non-Caltech students. This procedure ensures that all the money raised for SURF students at Caltech is awarded among the techers, she explained. "The goal is to fund all the outstanding students, hope the funds keep coming in", said Carolyn Merkel in her closing remarks.

Next year, the National Conference on Undergraduate Research will be held at Caltech!!

## more bylaws

### TECH PROPOSAL 1

#### COMPENSATION SCHEDULES

Replace Article XIV, Sections 8-9 with the following:

**SECTION 8.** The salaries, commissions, and bonuses of the Editor, Assistant Editors, and Business Manager of each publication will not be paid until the Board of Directors has approved payment. No commission will be paid until payment for that advertisement has been received, unless specifically approved by the Board of Directors. Salaries may be withheld by the Board of Directors, in whole or in part, for unsatisfactory performance by the Editor, or failure to submit on time the required financial reports or for gross financial negligence by the Business Manager.

**SECTION 9.** Compensation schedules for the *California Tech*, *Big T*, and *little t* must be submitted by each publication to the Board of Directors for approval. The schedule must be submitted within a month after the Editor and Business Manager of that publication have taken office. If either is replaced before their respective term of office ends, the schedule must be resubmitted within one month after such replacement has taken place. The schedule must include the following: salaries, commission rates, and possible bonuses; descriptions of duties for all paid positions; and a payment schedule. The salaries, commissions, and bonuses will be paid from the respective publication's funds.

**SECTION 10.** Salaries and bonuses for the other publications will be paid from corporate funds.

(a) *Course Listings of Undergraduate Education (CLUE).* The Editor will receive a salary of three hundred dollars (\$300) with a possible bonus of one hundred dollars (\$100). He may appoint a maximum of two (2) Assistant Editors, who will each receive a salary of fifty dollars (\$50).

(b) *Totem.* The Editor will receive a salary of one hundred dollars (\$100) with a maximum bonus of one hundred dollars (\$100). A group of corporation members may hold this position.

(c) *Undergraduate Research Opportunities Handbook.* The Editor will receive a salary of one hundred dollars (\$100).

**SECTION 11.** Satisfactory performance by the Editor and Business Manager of a publication will usually require that

the publication be available by the date specified in this section.

(a) *Big T*—ten (10) days after the day of general registration first term of the next academic year.

(b) *little t*—the day of general registration first term.

(c) *CLUE*—the day of general registration first term.

(d) *Undergraduate Research Opportunities Handbook*—the day of general registration third term.

[Current sections 10-14 will be renumbered if this amendment is passed.]

### TECH PROPOSAL 2

#### ELECTION & TAKING OFFICE

A. Replace Article VIII, Section 1 (first paragraph) with the following:

**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.

B. Replace Article XIV, Section 11 (first clause) with the following:

**SECTION 11.** The Editor of the *California Tech* takes office upon installation of the corporate officers;

### TECH PROPOSAL 3

#### DUTIES OF THE TECH EDITOR

Replace Article IV, Section 13 with the following:

**SECTION 13.** Office of the Editor of the *California Tech*: The duties of this office are specified in Article XIV. A group of corporation members may hold this position.

### TECH PROPOSAL 4

#### APPOINTED OFFICES

Insert a new section after Article XIV, Section 1 as follows:

**SECTION 2.** The Business Manager of the *California Tech*, the Editor and Business Manager of the *Big T*, the Editor and Business Manager of the *little t*, the Editor of *Totem*, and the Publication Darkroom Chairman are appointed by the Board of Directors.

[Following sections will be renumbered if this amendment is passed.]

# Is The Honor System Working

The second session of the ongoing Community Conference will be held in Winnett, today at noon. It will discuss the Honor System. The agenda to be discussed is as follows:

1. Due process under the Honor System. How is the Honor System administered? The "Three Decisions". Is this structure integral to the Honor System? Is the Honor System fair? Should changes be made to ensure due process?

2. Secrecy in the administration of the Honor System. Why is the secrecy observed? Do we want to change the degree to which it is observed? Should students who have been expelled still have the right to the protection that secrecy offers them? How can those things that are not secret be made known more widely?

3. What is the role of Faculty and Staff under the Honor System?

Do they understand it? Do they support it? How can awareness be improved?

4. Jurisdiction of the Honor System. Jurisdictions of the bodies administering it. Can the Honor System govern non-academic areas? Do we need the Court of Traditions again? Who can take the Three Decisions? BOC; GRB; Grievance Committee; Deans; MOSH; IHC; GSC; ASCIT Ex-Comm... How do we define who has jurisdiction when? Are there any appellate bodies?

5. Any other business with the permission of the moderator.

As before there will be a panel of concerned members of the community there to lead the discussion should it become bogged down. They are: Arden Albee, Dean of Graduate Students; Alan Blanchard, Chairman, GRB; Christopher Brennen, Dean of Stu-

dents; Jerry Hauck, former chairman, BOC; Peter Fay, faculty; Mark Fey, former secretary, BOC; Kate Loomis, undergrad; Bruce Rossiter, staff lawyer; Maneesh Sahani, rep. at large, BOC; Robert Sweeney, grad student; Craig Volden, chairman, BOC.

Clearly the Conference cannot hope to resolve every issue on the agenda, but we guarantee that they will all be touched, that the opinions of everyone who speaks will be respected when the panel draws up its recommendations, and that progress towards a resolution will be made. It is well worth your time to be there. (Besides, you get free, good food!)

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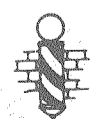
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Sat-Sun matinees 1:20, 4:10 p.m.

# Orchestra Performs

by Lei Chen

The Occidental-Caltech Symphony Orchestra performed Beethoven's Piano Concerto No. 1 and Dvorák's Symphony No. 9, "From the New World" this Tuesday night in Beckman Auditorium. In addition to the standard repertoire, the orchestra also presented the Los Angeles premiere of a contemporary piece, "Collage: Boogie" by Libby Larsen.

The performance was lucid and flowing in the Beethoven piano concerto. Robert Ward, the soloist, had little trouble with the most demanding passages, such as the cadenzas. But he seemed to have trouble blending together with the orchestra. Often during the exchange of phrases between the soloist and the orchestra, they would have different tempos and dynamic levels. For instance, the tuba had trouble in the softer sections: in order not to overwhelm the piano, it made harsh sounds. Both parts were beautifully performed, but together they didn't reach perfect unity.

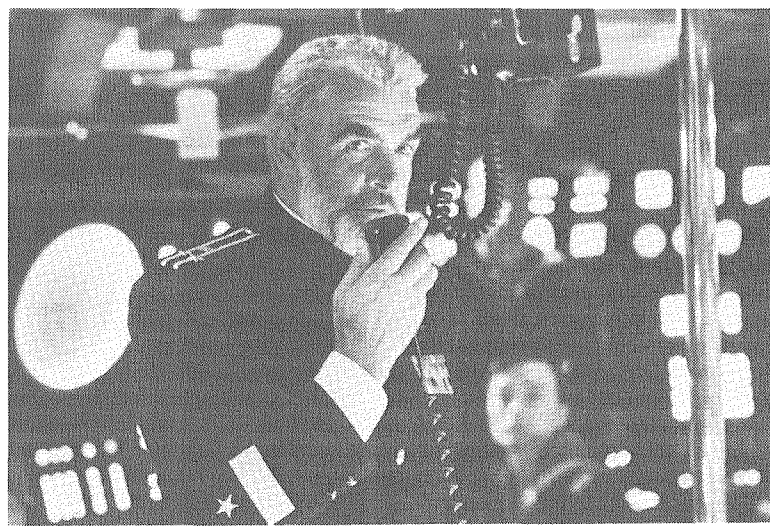
In Dvorák's Symphony No. 9, on the other hand, the orchestra achieved excellent balance between brass, woodwinds, and the strings. Especially in the Largo, the flute playing was sweet and mellow, giving the piece extraordinary expressive power. The oboes, however, sounded almost mechanical in the lyrical passages; a bit more rubato would have been more appropriate. Yet, over-all, the performance was solid and enjoyable.

# Camelot Comes to Life

by Deepi Brar

TACIT's production of Lerner and Loewe's "Camelot" opened to a sold out house last Friday, and quite a show it is. When working with a story that has retained its magic for centuries, there is little you can do wrong. The first thing you notice is the set, an impressive looking castle, but wait - just about everything else in the musical is as well done.

This particular version of the Arthurian legend is for the most part a lighthearted and often irreverent account based on "The Once and Future King" by T. H. White. Arthur is played very sen-



The Hunt for Red October stars Sean Connery as Marko Alexandrovich Ramius, the captain of the Soviet Typhoon submarine Red October.

# The Hunt is on!

by Glen Brown

I can hear you thinking "Is the movie as good as the book... Is the movie as good as..." No... It's better!

I'm SO tempted to tell you the basic plot, but even that isn't obvious until well into the movie, and the start of the movie is so beautifully done that I couldn't forgive myself if I spoiled the suspense.

"Suspense" is "Red October's" middle name. The movie lasts two and a half hours, but after 30 minutes, you will shift forward to the edge of your seat and remain there till the credits roll. You will be overwhelmed by conflict on too many levels to count: "Hmm, should I worry about the torpedo headed toward me, the fact that my nuclear reactor is shut down and I only have a couple of hours of air, or the entire Soviet navy which is trying to hunt me down?"

In addition to suspense that

makes "Aliens" look like "The Little Engine that Could," incredible submarine interior sets, awesome submarine fight and chase scenes, and acting that will redefine your standards of what good acting is. The characters are like you and me. They fit no screenwriter's stereotypes. They are individuals, a lot like people you've met, yet completely different.

This being the CALifornia TECH, I cannot omit that the "U.S.S. Enterprise" is in "Red October," Marko Ramius (Sean Connery) says "You have the con" in Russian, and "Caltech" is mentioned at least twice!

You must see "The Hunt for Red October." It is truly a great film.

After you watch the film and as the credits roll, sit back and let it hit you: It COULD have happened. Today, last week, last year. You would never know.

Now I'll bet you're curious!

sitively by graduate student Mark Adler, who adds depth to the role and portrays Arthur as a human being, compassionate and often unsure of himself, a man to whom has been entrusted great power and desperately wants to do the right thing, whatever the personal cost to him.

As for Guenevere, don't expect the dark, regal beauty the posters would have you see - from the minute you lay eyes on her you know you are looking at the classic American heroine, blond and energetic. JPL's Lynne Cooper makes a lively and passionate Guenevere, torn between her loyalty to her husband, the King,

and her consuming love for Lancelot, the best of knights. Senior Dave Stevens is well cast as Lancelot, pure in spirit and undefeated in battle, seemingly flawless until he falls in love with his Queen. His portrayal seemed somewhat one-dimensional, however, as he always seemed sure of himself and one never glimpsed the anguished soul behind Lancelot's handsome face.

Other extremely notable performances included Mordred, played very convincingly by Todd Brun, who looked just like a slimy villain should look, Bruce McLaughlin as an extremely loveable and gently humorous Pellinore, and Chris

# Movie Beat With V.G.

by Varoujan Gorjian

Manhattan seems to be the target of many an avenging monster in recent movies. After having recently been visited by Jason of "Friday the 13th" fame it will now get a visit from those lovable little gremlins in *Gremlins 2: The New Batch*.

All the original cast return in this story where scientists are studying the little creatures and doing some genetic engineering which produces an even worse version of the evil gremlins. These bad gremlins then go on to terrorize New York and only our heroes from the original film can save the day.

Also visiting New York might be the Predator in *Predator II: Body Count*, although this location has not yet been confirmed as of this writing. The sequel stars Danny Glover of *Lethal Weapon* fame and is written and directed by the same group of people who did the original *Predator*.

Unfortunately it seems that Arnold Schwarzenegger won't be returning in this film. The film that he will be appearing in this summer is *Total Recall*, which centers around a man in the future who somehow realizes that all his memories are implants and he sets of on a quest to find his real self. The movie has been extremely expensive and it was reported that Schwarzenegger took a salary cut so that the special effects of the movie could be finished.

Also appearing in the Big Apple is *The Phantom of Manhattan*, played by Robert "Freddy Krueger" Englund, who recently starred in one of the many *Phantom of the Opera* films.

Continuing the sequel craze we come upon the sequel of a sequel, *Alien III*. Reportedly there are two scripts for this movie, one with Ripley and one without, due to the possible delays arising from the real-life pregnancy of Sigourney

Weaver. 20th Century Fox is bent on releasing the sequel in the summer of 1991, thus it is willing to do the sequel with or without Ripley.

The director this time around is Renny Harlin, who is now busy putting the finishing touches on another sequel, *Die Hard II: Die Harder*. (Yes, they finally went with "Die Harder" as the subtitle.) No statements can be made as to the quality of either film since Harlin is a relative unknown whose only other film is the as-yet unreleased *Ford Fairlane*, but he has very hard acts to follow in *Alien III* and *Die Hard II* since *Alien* was directed by Ridley Scott (*Blade Runner*, *Black Rain*), "Alien II," which was titled *Aliens*, was directed by James Cameron (*Terminator*, *Abbyss*) and *Die Hard* was directed by John McTiernan (*Predator*, *The Hunt For Red October*).

Rumor has it that the villain in *Batman II* will be a person of the feline persuasion, though this is not yet confirmed.

Though I try to only do previews, once in a while a movie grabs my attention so much that I have to say something about it. One of the best films of 1989 which is nominated for five academy awards is *Glory*, which is about one of the first all-black regiments to serve and fight in the Civil War.

Historically very accurate, this film is probably one of the best war films ever made. Don't be put off by the historical background of this movie. This is no history lesson, it is a story about honor and courage and the realities of war. It has a haunting musical score and beautiful cinematography and to enjoy these aspects to their fullest you must see it at the Universal Cineplex Odeon which has the Lucasfilm THX sound system, which enhances every part of the movie from the battle scenes to the lull between the battles. It is sure to become a classic.

Brennan as an absolutely WONderful Sir Dinadan almost unrecognizable in the best hat in the whole play - he'll have you laughing out loud. One of my personal favorites is the large, friendly dog Horrid, who knocked the Queen down - by accident?

Everyone else in the musical on stage and off is to be commended - the excellent singing, imaginative set design, the attention to detail in the lighting and the elaborate costumes all contribute to making

this one of TACIT's better and more successful productions. Nothing is perfect, though. The last scene is rather confused, as most of the action is missed in the shadows and Arthur ends by trying to shout above the orchestra and all the other singers. Some of the costumes in the early scenes are jarring to those who would never wear orange and purple together, and the choreography isn't terribly interesting except for the very modern flame dancers in the last scene. The orchestra played valiantly, and the music is catchy, however, and I highly recommend it as an entertaining show well done.

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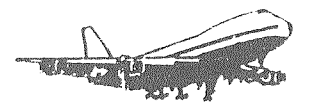
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Page	15 0 4 3 0 0 0 0 4 3 14
Ruddock	33 0 0 2 1 0 1 0 5 0 9
Ricketts	23 1 2 4 2 4 4 4 3 1 25

This Week's **Inside World** was written by:

**Blacker:** Walker Aumann, Noam Bernstein, and Andrea Mejia  
**Dabney:** Tracy Fu  
**Page:**  
**Ricketts:** Joe Dadek

**Blacker**

The game is played on a 6x9 grid. The board is placed with the thinner sides facing each player. Players set up pieces as follows:

Blacker (back row, from left to right):

- Black Hand
- Marty O'Brien
- Dave Kim
- Andrea Mejia
- Blacker Plague
- The Waiters

Blacker (second row, from left to right):

- Alex&Jen
- Kevin Kan
- Glenn Eychaner
- Fru
- Bill Greene
- Dan Ruzek

Administration (back row, from left to right):

- UASH
- Security
- Nancy Carlton
- Louie Wilde

Administration (second row, from left to right):

- Professor Goodstein
- Professor Skelton
- Professor Fuller
- Professor Pine

Administration (back and second rows, right two columns):

- Gary Hindoyan

Play proceeds with the Blacker player moving first. The Administration then gets an opportunity to respond if it so wishes. Play proceeds in this manner until one of the following events:

- 1) All upperclass Blacker pieces are eliminated
- 2) All Blacker pieces graduate
- 3) The Blacker player quits in disgust

**Movement:** On a turn, each player may move one piece. After movement is resolved, the player may invoke one piece's special power (see below). Note: some of these powers are automatic and need not be invoked during this phase. Frosh and Professors move and capture as chess pawns. The Black Hand pieces, and UASH move and capture as chess rooks. The Blacker Plague and Marty move and capture as chess knights. Nancy and Andrea move and capture as queens. Louie and Dave move and capture as kings. Gary moves and captures as a rook, but due to size and weight considerations, may only move one square every other turn.

**Special Powers:** These are listed piece by piece.

**Professor Goodstein:** Administration must publish list of moves for this piece at the beginning of the game. If any of these moves cannot be made, then the piece must wait.

**Professor Apostol:** Can assign impossible theorems to prove, baffling the frosh for two turns.

**Professor Fuller:** Puts opposing pawns to sleep until the end of the next turn.

**Professor Pine:** Can force opposing pawns to remain in place for the next three turns while they try to finish their phys labs. NOTE: Use of this power results in the Pine piece being charged by Nancy for damages to carpeting.

**UASH:** Randomly removes one Blacker piece from play permanently.

**Security:** This piece does not move, and cannot capture. As an optional rule, it can confuse the frosh for one turn each game as they wonder why Security is there in the first place.

**Gary Hindoyan:** Makes all Blacker pieces sick and weak for one turn. This piece is also immune to the effects of the Black Hand (not even they would touch this piece).

**Nancy Carlton:** Can bill one piece per turn for damages to the game. The billed piece must spend the next two turns on the phone explaining to his or her parents why he or she was charged with the damages and how it will never happen again.

**Louie Wilde:** Can declare one piece "PNG" (Piece Non Gratia). That piece can not move into any other square, or participate in any intra-game social events, for the next three turns.

**Alex&Jen:** These are in actuality two separate pieces but are treated as one for all game purposes.

**Kevin Kan:** This piece is WAY TOO GOOFY! It may send the Stephanie Buck piece (otherwise unused - there are WAY TOO MANY Stephanie pieces in this game anyway) screaming in frustration toward an opposing prof, stunning the prof for a turn.

**Glenn Eychaner:** This piece is equipped with phaser which it can use on as many opposing pieces as it likes. However, since phasers don't exist, and wouldn't work if they did, this power has no effect.

**Fru:** No Blacker piece can remain within one square of Fru for more than a turn at a time. Either that piece or the Fru piece must move to keep this from happening.

**Bill Greene:** Can cancel any action made by the opposing Nancy Carlton piece.

**Dan Ruzek:** After three turns, this piece is removed from play.

**Black Hand:** Can abduct one opposing piece per turn. The abducted piece returns after 5 turns. When a piece returns from being handed, its options are limited to either looking dazed and bewildered, or else warning one other piece, "Don't Fuck With The Hand."

**Jerry Carter:** This piece is not placed on the map. The location and actions of this piece are kept secret throughout the game, even from the Blacker player.

**Ricketts**

Good evening. I'm Guru Brokaw, and this is RBC Weekly News. Our top story: Apache. Members of Ricketts House encountered a local space-time warp which confused them with Paris during the days of the French Underground. All manner of seedy men and cheap women were seen frequenting the vicinity. For more details, we go to our reporter at the scene, Hurting Turtle:

Whelll, Gurru, there are ah (hic) llot of people herre who arre vvery drunk. The music seemz (hic) ok, and the partygoerz seem to be enjoynguh themselves to exce... (THUD)!

Hurting Turtle, are you still there? Well, we seem to be having some trouble with the satellite feed. We will return to this story after the difficulties are corrected. In political news this week, house BOC rep elections were held. The results were (approximately) Alex, 80% diagonal votes; Paul, 75% diagonal votes; and 'Los, 50% diagonal votes. The % diagonal votes were those votes cast for the particular candidate which were folded diagonally as indicated in the instructions. The overall winner of the election was 'Los.

Other political events include Ricketts House elections. Nominations for the menial Minor Offices had progressed as of Wednesday night with Angus and Shroom leading the pack for president. Election returns are not available as yet.

In sports, the Mighty Maroon Moose trampled over its opponents this week to score two volleyball victories. The Ath Men have become neglectful of their duties as their term comes to an end. Also, the Froosh seem to be unclear on the concept of the Brakedrum since they successfully rang and escaped with it, thus obviating the possibility of a pile.

We have restored our satellite feed now, and return to our coverage of Apache:

Hello, Guru. The situation here is very festive. People are dancing, eating, drinking, and generally having a great time. And it's not just fun, but good clean fun that is occurring here. I have every confidence that this will be remembered as a great party. (hic)

Thank you Hurting. That's the news for this week. This is Guru Brokaw. Good night.

-The Physics Messiah

The Inside World

Page

A promise is a promise, so here's that revision of "Louie, Louie" I promised! Crank up your own copy of the (old and not nearly so fun) song and sing along!

*Louie, Louie. He gotta go!  
Well, Louie, Louie. He gotta go!*

*Fine little MOSH, he's not for me.  
He took my campus of CIT.  
He made his stand all alone.  
I never thought he'd go home.*

*Well, Louie, Louie. He gotta go!  
Louie, Louie. He gotta go now!*

*3 nights and days, Page threw the dice.  
It thought of money constantly.  
The whole night, he dreamed us there.  
He smelled a rat in our lair!*

*Yeah, Louie, Louie. He gotta go now!  
Louie, Louie. He gotta go.*

*He see Dabney the moon above.  
It won't be long, he see their love!  
He take'm in his office and then  
He tell'm to never come back again!*

*And Louie, Louie. He gotta go!  
Louie, Louie. Well he gotta go now...*

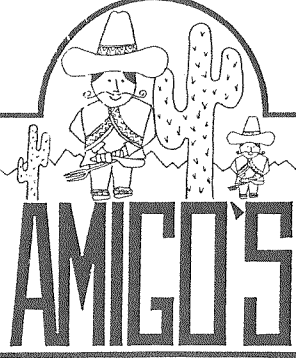
Emm's stud farm managed to dethrone the wimpy Wt. alley last weekend in the awesome "oriental girl toss from Millikan Bridge." The 'studs' took it on pure style! Next, rumor has it that Alley 5 is going to challenge Emm's alley in "Oriental girl toss from the top of Millikan!" Should be fun to watch, well at least more fun than that stupid pumpkin drop. I guarantee you won't see any quantum blue light emanating from the shattered remains this time! Dave Lande was all excited to hear that Stephen Hawking interviewed with Playboy magazine. Last seen, he was taking the house copy into his room with an EAGER smile on his face. Nitu refused to comment later on the unusual moaning sounds coming from the room.

There's been a lot of talk going around about sexism on campus. Even last week, a member of this very house recounted a painful tale of date rape. Going along with this theme, Page would like to present its Top Ten Reasons Why Page Boys Wouldn't Want To Say "I Love You" To Their Girlfriends If They Had Girlfriends:

10. Their dicks will fall off if they utter the words.
9. It has become a throwaway phrase.
8. It will lead to "I'll marry you."
7. They think it's more hip to say it to other men, like Schamu to Hardnuts.
6. They said it before and found out they were wrong.
5. They don't want to be trapped in some long term THING.
4. Their fathers didn't say it to them.
3. Their father didn't say it to their mothers.
2. They want to get laid but not THAT bad.
1. They don't mean it.

Next week, perhaps one of the short oriental girls in Page will comment on the Top Ten Reasons Women Want Men To Say "I Love You!" Until then, just remember, 'Girls are bad news, dude!'

-Bart Simpson



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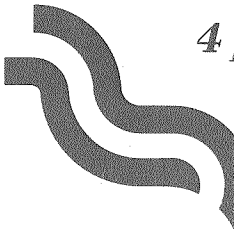
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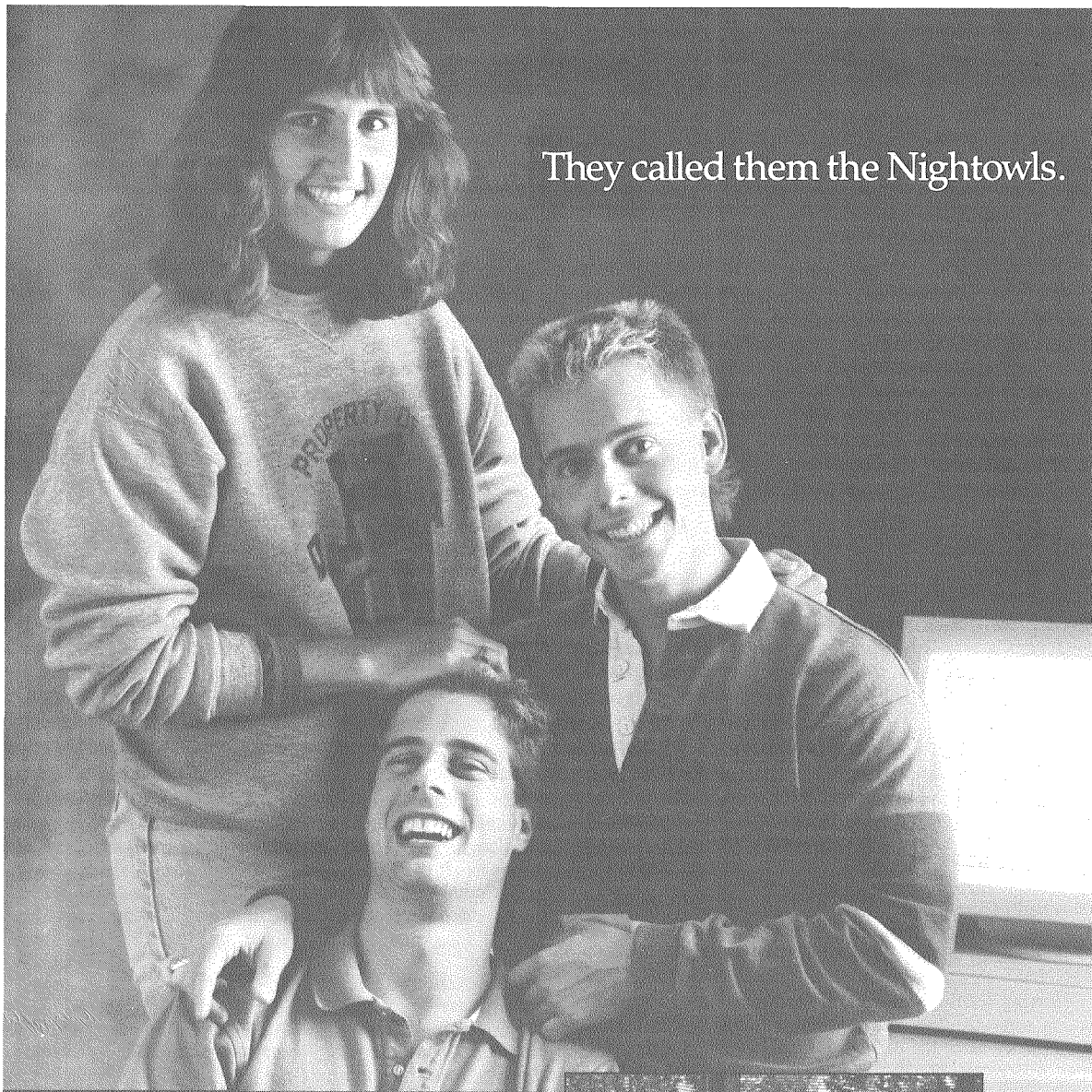
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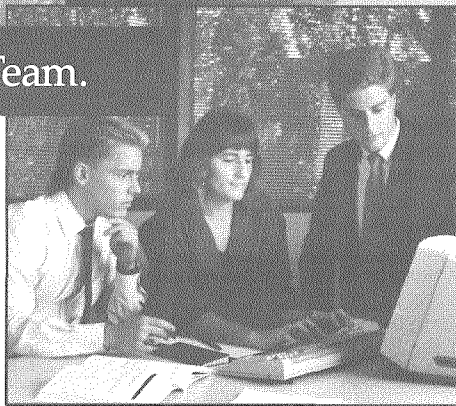
Dr. Vogel is the winner of the first annual Irving and Jean Stone Prize for science writing for his book *Life's Devices: The Physical World of Animals and Plants*. Jean Stone will present the award prior to the lecture.



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The Inside World

Dabney

As a service to the Caltech community, Dabney House proudly presents the BOC beat:

- 2/1 Betsy Marvit is seen taking 12 Rice Krispie Treats from the dining room. BOC decides not to take action because it is a minor offense.
- 2/5 Several complaints are made about some tall, thin, Jewish male looking through stacks of exams on the second floor of Sloan. Later this person is confirmed to be Mike Greenblatt. Disciplinary action is impending, but until then if you're wondering what you got on your last midterm. Ask, Mike. He should know.
- 2/13 A few undergraduate Moles are accused of taking unfair advantage of the Caltech community by writing long and aggressively boring inside worlds. The BOC decides that this is not an honor system violation, but gives the poor Moles a few tips of advice, "Instead of writing inside worlds you might try wearing an "I'm a dork" T-shirt. You'll probably get the same effect."
- 2/23 Female undergraduate makes complaint about being viciously slandered in the Dabney inside world. Tracy Fu is brought before the BOC, and only offers one defense, "I've been mentally scarred since seeing Al Petterson in a speedo last year. While Al did a fine job of censoring the paper, he did a poor job of censoring his body. I still have never really recovered from that incident." The BOC feels sympathy for poor Tracy, and tells him to seek counselling. The BOC advises people to be nice to Tracy because he's unstable.

-Lamebutt

Endeavor Tour

by Sonny Arcilla

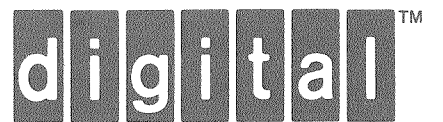
Forty Caltech students (and a few faculty members) will leave today at 12:45 from the Athenaeum parking lot to tour the Rockwell International site at Palmdale where the space shuttle Endeavor is being built.

Because of extra publicity by ASME, well over 60 students signed up for the 40 spots, and those who cannot attend today's tour will be able to the second tour to be held on Friday, April 20.

Organized by SEDS (Students

for the Exploration and Development of Space), the group will receive an overview of Palmdale Organization and Space Shuttle Systems then proceed on the tour of the Orbiter Assembly Area (Endeavor, TPS Manufacturing, and the ACE Control Room.

There may be a few spots left for the April 20 tour, and those interested should either call SEDS President Sonny Arcilla at 577-4423 and/or come to the Monday, March 5 SEDS meeting in Rm. 13 of the SAC at 7:30pm.



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Our Western Software Laboratory, located in Palo Alto, California, is the focal point for UNIX\* operating systems workstation development software for Digital. This group is involved in the development of enabling system software for highly interactive workstation applications running in a distributed environment.

This system software includes UNIX operating systems drivers for displays and multi-media devices, X Window\*\* system servers, X libraries and toolkits, lower level X clients, multi-media servers and toolkits, and related tools and debuggers. The group is also responsible for the packaging and release of the software components that it develops for integration with base system components.

Ideal candidates will have strong interests and skills in system software development with a workstation focus. A solid understanding of operating systems basics, working knowledge of UNIX operating systems and C for interactive and distributed applications, and graphics principles is highly desirable. An understanding of X and audio and video basics would be a strong plus.

We have positions for both BS/MSCS or EE graduates (ideally with a B/B+ average in Computer Science). U.S. Citizenship or permanent residency is required.

On-campus interviews are scheduled for Wednesday, March 7. Please sign up for interview at the Placement Office.

If interview is not convenient, please send your resume to Employment Dept. 0302 CATP, CA, Digital Equipment Corporation, 130 Lytton Ave., Palo Alto, CA 94301.

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

**Ray Bradbury in Pasadena**

Author Ray Bradbury will be in Pasadena on Saturday, March 3 at Planet 10, 79 N. Raymond Ave. in Old Town Pasadena, signing autographs and answering polite questions about his new book. Call 577-9309 for more information.

**Communism Postponed**

The lecture "Communism in Crisis: Movement Toward Democracy in Vietnam," which was publicized in the Caltech Weekly Calendar for March 6, has been postponed until early April.

**Master Morris**

The Caltech Non-existent Equestrian Team has something different this Monday (March 5) from noon-1 pm. We will show a video of a George Morris clinic. We will fast-forward through the flat work and concentrate on the jumping. All are welcome to Baxter, Rm. 19, to watch (bring your own lunch). Questions, etc. call Liz at x4515 or Victoria at x3828.

**Hawaii Club**

The Hawaii Club will be meeting in the SAC, Rm. 25 on Monday March 5 at 7:30 pm. If you can't make it or want more information, call Katie at 577-6063. Everyone is welcome.

**Repossessed Wizard Brides?**

On Saturday, March 3, 1990, the Caltech Science Fiction Club will present the following films at its "Full Moon" (or at least within two weeks of one) Festival: *The Wizard of Speed and Time*, *The Princess Bride*, and *Repo Man*. The place: Catalina III grad rec room (our last one in this location). The time: 8:00 pm. Questions should be referred to the S.P.E.C.T.R.E. Hotline (440-0459) or Eric (564-8949). As you wish, this is intense...

**German Conquistador Film??**

There will be a showing of *Aguirre-Der Zorn Gottes* (1972) on March 7th in Baxter Lecture Hall at 7:30. There will be an introduction and discussion after the showing. Shown in conjunction with L 132.

The destruction of a Spanish conquistador in the 16th century, filmed in the jungles of the Amazon, is the subject of the film. An adventure film, it portrays a monstrous leader image, imperialism, flagrant insolence and insanity.

Directed by Werner Herzog, starring Klaus Kinski, Ray Guerra, Helena Romo, Peter Berling and Daniel Ardes.

**Monticello Reminder**

Current freshmen, sophomore and junior women: today is the deadline to submit your proposal for the Monticello Foundation Internship for the summer. The description of your project along with two faculty recommendations are to be submitted to the Deans' Office, 102 Parsons-Gates.

**DNA Fingerprinting And You**

On Wednesday, March 7th at 4:00 pm in 119 Kerkhoff, Dr. Eric Lander of Whitehead Institute, MIT, will speak on the subject of "DNA Fingerprinting: Science, Law and Policy of the Ultimate Identifier." This seminar is part of the series on Issues in Ethics and Policy Arising from the Human Genome Initiative. Discussion and refreshments follow.

**Richard In Mexico**

An exhibit by artist Richard Littlefield will be at the Folk Tree, 217 S. Fair Oaks in Pasadena, from March 3-25. The works in this exhibit are both two- and three-dimensional works based on various themes inspired by Mexican sources. There will be a reception with the artist on Saturday, March 3 from 2-6 pm.

**AMTRAK to Universal Studios?**

Come by The Caltech Y for discounts on AMTRAK trips to San Diego, etc., and on special rates for Universal Studios Tours.

**Trash Club**

Are you interested in driving recyclable plastic and aluminum to a local Pasadena recycling center, once a month? The time commitment is approximately 60 to 90 minutes, and would require either the use of one's own truck or driving the ASCIT van. If interested, please contact David Mackay, x6114, 164-30 CNS.

**Do You Want To Dance?**

Social dances, such as the waltz, tango, swing and others will be taught at Dabney Hall on Tuesday nights during March. Come and dance with the Caltech Folk Dancers. Beginning teaching 7:30 to 8:00 pm. Social dance teaching 8-9 pm, followed by open request dancing until 11:30/12:00.

Special note: on March 20th, we will be meeting in Winnett Center, instead of Dabney Hall.

**New Aero Course**

Next term, engineers and scientists from Hughes Aircraft will present and discuss communications satellites in Ae 107c—Case Study in Engineering. The Organizational meeting will be held in 269 Lauritsen on Monday, April 2 at 4:00 pm. If any questions, please call Patrick at x4789.

**Scholarship Listings**

The Financial Aid Office has applications and/or information on the following scholarships. All qualified students are encouraged to apply. The office is located at 515 S. Wilson, 2nd floor, phone x6280.

The Society of Women Engineers announce their 1990-91 Freshman and Reentry Scholarship Program for all qualified women students who have been accepted into the engineering curriculum. Deadline for applications and supportive materials is May 15, 1990.

The Polish University Club of Los Angeles, Inc. is offering scholarships to students interested in the Polish/Polish-American ethnic. The filing deadline is April 15, 1990.

The Planetary Society actively encourages science students through a variety of programs. The Mars Institute Contest is open to students in both high school and college, and college undergraduates are eligible for the College Fellowship Awards. For entry details write to: The Planetary Society, Scholarship Department, 65 N. Catalina Ave, Pasadena, CA 91106. Deadline for completed applications to be received by The Planetary Society for both the Mars Institute Contest and College Fellowship Awards is April 16, 1990.

California Council of the Blind is offering a number of awards to applicants who will enter or continue studies at an accredited college or university in either undergraduate or graduate status. Awards will be granted on the basis of academic scholarship and other factors including financial need. Deadline for application, transcripts and records is June 1, 1990.

The San Joaquin Valley of the Society of Petroleum Engineers will be awarding scholarships to qualified applicants who are enrolled as full-time undergraduate or graduate students in engineering or energy-related disciplines at an accredited college, university or local community college. The completed application, question section, and an up-to-date official transcript should be submitted to ARCO Oil and Gas Company no later than March 31, 1990.

The Rotary Club of Los Angeles is offering a \$2,000 per year scholarship to current sophomores and juniors who are U.S. citizens or permanent residents. You must have a 3.0 GPA. Deadline to submit applications to the Financial Aid Office is March 5, 1990.

**General Motors Scholarship**

The General Motors Corporation is offering one scholarship to a sophomore in Environmental or Chemical Engineering. The GM Scholarship includes full tuition, a book allowance, and a paid summer internship. The award is renewable for the senior year. Financial need is *NOT* a consideration in the selection process.

Applications and additional information are available in the Financial Aid Office, 515 S. Wilson. Deadline is March 19, 1990. Apply now!

**SURF's UP.**

Applications for SURF-90 are now available in the SURF Office, Rm. 3, Dabney. Students should pick up a proposal packet, complete the application portion, and give a copy to potential research sponsors. Proposals are due TODAY, March 2nd.

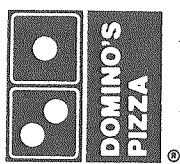
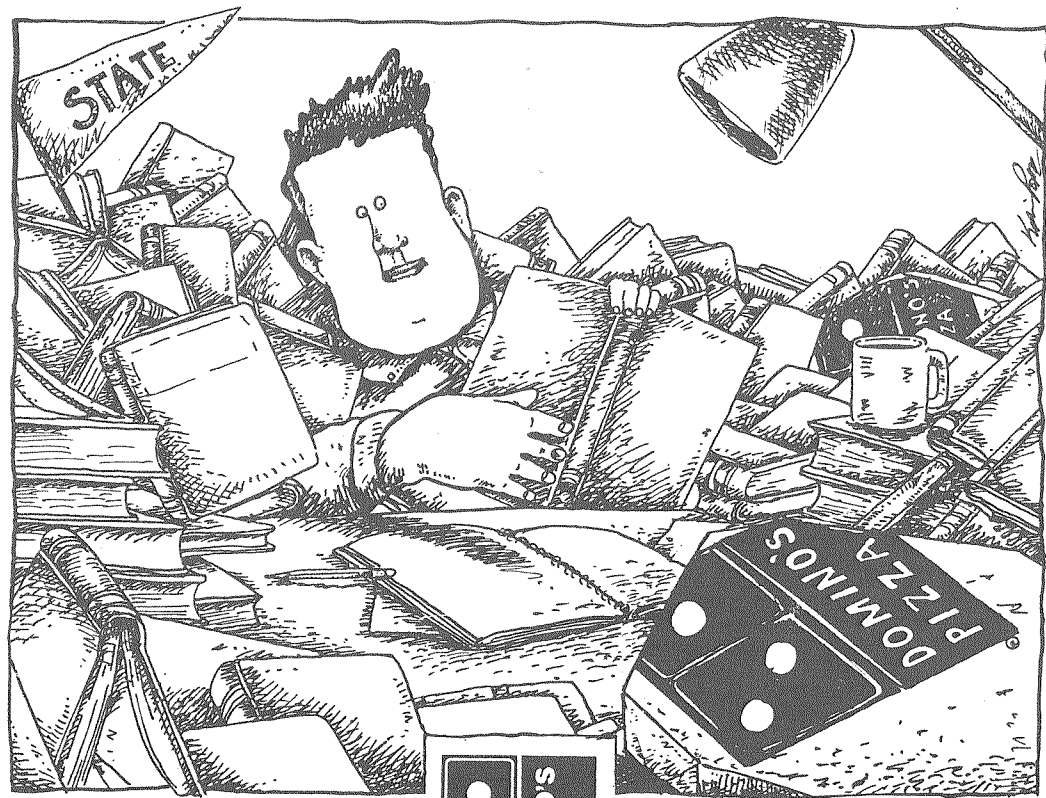
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# Go Climb a Wall Track 11-0? Weak Opponents

by Jeff Hagen

What is 50 feet wide, 12 feet high, and made up of 300 holes and 100 pieces of rock and glue? No, it's not BC's weekly supply of macaroni and cheese; it's the Caltech Climbing Wall. Affectionately called "the Wall", this newest addition to Caltech's athletic facilities was officially unveiled a week ago to a crowd of about 50 potential users and interested persons.

The Wall was first conceived early last year by Paul Miller, a graduate student in Aeronautics. Along with friends Anne Alder, Rick Gilbrech, and Rudy Hofmeister; Paul brought the Wall from conception to rock-hard reality. With the support of Dan Bridges, Louis Wilde, and the Caltech Alpine Club; students, faculty, and staff of Caltech may now use the Wall for training, instruction, and general recreation.

The Wall is located off one side of the gym, and for now access is

restricted to those who have met the membership requirements. The Wall is composed of around 100 different holds bolted to a wall. The holds are composed of rock particles held together with resin to give a "rock-like" feel. The Wall is set up as a traverse, so it is practically impossible to hurt yourself when you peel off (and you will). This allows relatively long climbs without having to worry about rope-handling or possible injury. There are also finger boards available for use. These vertically oriented 2 x 6's will quickly put to shame even the most fit athlete. Although the Wall does not exactly simulate rock-climbing, it provides an excellent workout which any person desiring increased strength and flexibility can benefit from. It's also the second most fun thing you can do standing up.

For more information about the Wall, or to become a member, contact Paul Miller at x4455.

by Chris Campo

February 24, 1990, a warm slightly smoggy Saturday, was the date for the Caltech Invitational II Track and Field meet. Tech's men won the meet easily (244 points), with Whittier trailing a distant second (122), followed by Christ College Irvine (71), La Verne (37) and Masters (36).

Although the turnout by other schools at the meet was not high, and correspondingly the level of competition was a low one, there were a number of outstanding performances by Tech's athletes.

Tech's 4x100 relay (Park-Whiteley-Eastvedt-Montz) put on what was perhaps the highlight performance of the meet, winning the race in 44.1 seconds despite two poor handoffs. Another tremendous performance was that of Brady Montz in the 200 meter race. Brady won the event in a respectable 23.2 seconds.

Freshman John Freeman turned

in an admirable early-season 2:03.2 to finish first in the 800 meters. The race was a close one with a battle down the last straightaway between John and Whittier's Sean Blanchard (Second Place in 2:03.6). "I had to give Blanchard a little nudge because he tried to pass me at the start of the last straightaway and cut into my lane before he finished passing me," Freeman commented when asked about the race.

Junior Steve Harkness threw for 41 feet 6 inches to win the shot put. While Harkness shone in the shot, freshman Jeff Martin excelled Saturday at the discus. Martin took second place with a throw of 111 feet 7 inches. "I'm very pleased with the solidness of our field unit," said Caltech Track and Field Coach Jim O'Brien after the meet. "Harkness is consistently throwing over 40 feet now, and Dave Park came out of nowhere Saturday to throw 150 feet 10 inches in the javelin." Park's second place performance in the javelin was quite remarkable considering the fact that it was his debut in the event.

In addition to his fantastic javelin throw, Park turned in excellent performances in two of his specialty events: the Triple Jump (First Place, 39 feet 6 inches) and the Long Jump (second place, 20 feet 3 inches.)

Greg Dudey turned in two more noteworthy performances for Caltech. Dudey took second in the 400 hurdles in 59.2 seconds and won the pole vault with a vault of 12 feet 6 inches.

The margin of victory which Tech held over the competition Saturday was due in large part to the invitational scoring used at the

meet. Since invitational scoring scores 6 places deep (rather than 3 in dual meets), Tech's formidable depth and spreading around of the athletes defeated the other teams handily.

In a dual meet situation, Tech will probably not fare as well. "It's nice to have an 11-0 record, but next week we enter the real world in a dual meet scoring situation against Oxy, Pomona, and Claremont," said Coach O'Brien. Those three teams, along with Redlands, have traditionally been far and away stronger than the rest of the SCIAC Conference (Caltech, Whittier, and LaVerne.)

Coach O'Brien foresees the upcoming April 2nd meet against Whittier as the crucial one. "On paper, in a dual meet situation, they look really strong. At this invitational they had individuals turn in strong performances in one event. When they start spreading some of those guys into two events, they're really going to be tough to beat."

## THE WOMEN

Caltech's women were victorious Saturday with 108 points, beating Whittier (74), CCI (64), LaVerne (61), and Masters (2). Caltech's "team" consisted of Aimee Smith, Jennifer Remine, and Liz Warner. The victory was the result of Aimee "competing" in eight events, and Jennifer in three.

In a tragedy for the women's team, Liz Warner injured herself while long jumping. Liz, the traditional high scorer for Tech, hasn't practiced during the last week. She is wearing a leg brace and should get the word from the doctor sometime today as to the ultimate seriousness of the injury.

# New Stats For Relief Pitchers

by Roy Lee

Last Friday afternoon, Caltech sophomore Ari Kaplan met with the General Manager of the Los Angeles Dodgers Fred Claire in order to discuss the future potential of a new statistical analysis of relief pitchers in Major League Baseball.

This new form of analysis was developed by Kaplan during the summer of 1989 for a SURF project, entitled "How Do You Spell Relief? An Analysis of Baseball Pitching, 1876 to Present." Rod Kiewiet, Associate Professor of Political Science and Kaplan's sponsor, offered Kaplan guidance and support in the course of Kaplan's research.

In a speech delivered to the Board of Trustees at Caltech late last year, one member of the board, who coincidentally is the owner of a Major League Baseball team, expressed interest in Kaplan's SURF research. Kaplan's project generated much publicity in the forms of newspaper articles and official reports of SURF undergraduate projects.

One reason why Kaplan chose to do this SURF project was that he felt that "there was some better way to judge pitchers than the Earned Run Average." To enhance the effectiveness of the ERA, Kaplan developed two new statistics, the PERA (Potential Earned Run Average) and the WERA (Worst-Case Earned Run Average). Both statistics describe hypothetical situations which correct for the presence of inherited runners whenever a relief pitcher comes to the mound.

Another important statistical development is the Reliever's Ratio, which describes how well relief pitchers are able to prevent inherited runners from scoring. The average RR would be one, while anything lower than one would indicate an above average relief pitcher and anything higher would indicate a below average relief pitcher.

In order to test his new statistical analysis, Kaplan wrote a computer program which calculated all the statistics for the 1989 Dodger season. The calculations done by the program correlated with

Kaplan's own predictions, which were based upon his developed statistical analysis, to a very high degree.

Although Kaplan's statistics have not yet been incorporated into Major League Baseball, many professional players praise the new statistical analysis for its enhancement of the way baseball statistics are viewed. Because professional baseball has shown a significant amount of interest in this new form of analysis, Kaplan is hopeful that the fruits of his SURF project will be incorporated into baseball statistics in the near future.

# Final Hoops Stats

	fg		3pt fg	FT					
	pts	m-at		m-at	rebs	A	Blk	Stl	
Swanson	286	118-224	52.7	0-0	51-97	152	9	18	8
Karceski	204	77-167	46.1	32-76	18-30	66	35	2	13
Ahle	140	52-145	35.9	24-78	12-17	53	64	0	11
Oslakovic	96	43-105	41	3-14	11-14	57	79	0	7
Ralph	89	31-122	25.4	13-37	14-39	46	36	2	5
Creath	69	32-68	47.1	0-0	7-15	37	9	11	3
Kollmorgan	21	9-37	24.3	0-0	5-11	32	9	0	0
Totals	982	387-938	41.3	79-214	127-249	556	263	38	66
SCIAC Totals	528	212-510	41.6	33-114	67-134	281	148	22	25

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## WEEKLY SPORTS RESULTS

Day	Date	Sport	Opponent	Results
Sat.	2-24	Baseball (2)	LaVerne	0-16, 4-19
Sat.	2-24	Track	Whittier, LaVerne, Masters, Christ College	Men: CT 243, Whittier 120, Christ 71, LaVerne 35, Masters 34 Women: Caltech 108, Whittier 74, Christ 64, LaVerne 61, Masters 2
Sat.	2-24	Tennis (M)	Whittier	2-7
Sat.	2-24	Tennis (W)	Biola	0-9
Tue.	2-27	Tennis (M)	Redlands	0-9
Wed.	2-28	Tennis (W)	Occidental	0-9

## WEEKLY SPORTS CALENDAR

Day	Date	Time	Sport	Opponent	Location
Fri.	3-2	2:30 pm	Baseball	Redlands	Caltech
Fri.	3-2	All Day	Fencing (M-W)	Western Regionals	Stanford
Fri.	3-2	3:30 pm	Tennis (W)	Mills College	Caltech
Sat.	3-3	7:00 am	Golf	So. Cal. Intercollegiate	Torrey Pines C.C.
Sat.	3-3	11:00 am	Baseball (2)	Redlands	Redlands
Sat.	3-3	11:00 am	Track	Oxy & Pomona-Pitzer	Clare-Mudd-Scripps
Sat.	3-3	1:30 pm	Swimming	Christ College	Christ College
Sat.	3-3	1:30 pm	Tennis (W)	Whittier	Whittier
Sat.	3-3	1:30 pm	Tennis (M)	Christ College	Christ College
Mon.	3-5	1:00 pm	Golf	La Verne	Pomona-Pitzer
Tue.	3-6	3:00 pm	Swimming	Occidental	Caltech
Tue.	3-6	3:00 pm	Tennis (M)	Occidental	Caltech
Wed.	3-7	3:00 pm	Baseball	Pac. Coast Baptist Bible College	P.C.B.B.C.
Wed.	3-7	3:00 pm	Tennis (W)	Cal Lutheran	Caltech
Thu.	3-8	3:00 pm	Baseball	Colorado College	Caltech
Fri.	3-9	1:00 pm	Golf	Redlands	Whittier
Fri.	3-9	3:00 pm	Tennis (W)	Pasadena City College	Caltech
Sat.	3-10	12 noon	Track	CIT Invitational III (Revenge of the Beavers)	Caltech
Sat.	3-10	2:00 pm	Baseball	Alumni	Caltech

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