

Election Time is here again. Time for greed and fear again.

# The California **TECH**

They're coming to take us away, ha ha, he he, ho ho.

Volume XCVII, Number 13

Pasadena, California

Friday, January 19, 1996

## Caltech Celebrates Martin Luther King, Jr.

*Concerts and a speech by noted political activist June Jordan highlight the day-long festivities*

by Maria Huang

On January 15, 1995, the California Institute of Technology observed the legacy and accomplishments of a great man. The Caltech Dr. Martin Luther King Birthday Commemoration included a series of events that introduced the community the contribution of Dr. Martin Luther King to all Americans.

The one-day-long event started at noon when the teenage Alkebulan Boys Choir sang for the campus at Ramo Auditorium. A guiding light for numerous young Americans, Dr. King's spirit led the choir boys as they sang "Someone's Calling My Name," and "Holy Spirit Don't You Leave Me." Followed was the speech made by famous political activist June Jordan. A recount, Jordan told the saga of her growing to love Dr. King for his political

beliefs. While questioning the purpose in celebrating the MLK day, Jordan challenged the audience to think of the impact Dr. King had had on America; reciting a few poems of hers that described her shock after the assassination of Dr. King, she delved into the emotions of all Americans at the time who respected Dr. King as a guiding light. After a discussion Jordan led regarding education, economics and politics, she concluded her speech urging the attendants to become aware of the rapid economic change in the society.

The evening's celebration high-

lighted the critical events of Dr. Martin Luther King Jr., including his spiritual influences, struggles, trials, and the tremendous contributions he made to our world.

Followed by the recital of Dr. King's famous speech, "I Have a Dream" was a series of medley performed by Mass Choir, directed by Betty Griffin Keller. Echoing, the lyrics "Free at Last" compelled the crowd to sing along with the performers; the singers and the audience

had merged into one group, some humming, some clapping, some singing along. The event climaxed when all the audience stood up, danced hand-in-hand, and

chanted. A dream come true for Dr. King on his birthday, "the sons of former slaves and the sons of former slaveowners [sat] down together at the table of brotherhood, commemorating the contribution of Dr. King."

Dr. King's insistence on non-violence and his vision of a color-blind world overcame his fear of death and bullets. A significant memory in the American history, he made it possible for all people to attend schools and to receive basic education; in addition, voting was no longer a privilege belonging to certain privileged group. Dr. King passed away twenty years ago, but his message remains urgent. Challenging themselves to judge people by "the content of their character" instead of by their color remained essential to all Americans. The Martin Luther King day commoration ended a great success.

*Jordan challenged the audience to think of the impact Dr. King had on America*

## Physics Undergraduate Wins Scholarship

by Tanya Tickel

John Carrasco, a Junior Physics major, has more than one nose - at least when describing his summer reasearch (SURF) project :

"Say my nose is a quasar, and it's making light rapidly. If there's nothing between you and me, the light will go straight; you'll just see one nose," he said, "If there's something massive there, the light will be deflected, and can take more than one path ... and if the deflecting mass is non-spherical, you will see multiple discrete images."

Carrasco's translation of complicated physical phenomena into layman's terms such as these are testimony to his command of the subject, and is one of the reasons that on Thursday, January 17, the Caltech Physics department awarded him the Incentives for Excellence Scholarship in a luncheon at the Atheneum.

In 1994, Caltech graduate Paul S. Mineiro (Physics, '94) received an award as a part of the National Science Foundation (NSF) Minority Graduate Fellowship Program, and as a result Caltech received this \$1000 prize to give to an outstanding minority undergraduate in Physics. Professors Steven Frautschi, Executive Officer for Physics, and Ricardo Gomez, Undergraduate Physics Chair, selected Carrasco for the award. "John was working very productively in research," said Gomez, "and on the basis of his research we picked him."

Carrasco and his research advisor, Dr. Roger Blandford, worked last summer on a model of a gravitational lens using data that was gathered from the Keck observatory by Dr. George



PHOTO COURTESY CARRASCO

Scholarship recipient John Carrasco contemplates .....

Djorgovski. "George took a picture, using Keck, of a multiply-imaged quasar. Based upon his observations, we came up with a model that could reproduce the manner in which the light was deflected," said Carrasco, "These types of models are interesting because they allow insight into the rate at which the universe is expanding, and thus the age of the universe."

As a lucky coincidence, Dr. Nick Scoville, a professor in Astronomy, and his Post-Doctoral student Min Yun had gathered infrared data on the molecular dust cloud surrounding the same quasar that Djorgovski had observed. This provided a

unique opportunity for Blandford and Carrasco:

"By mappng their observations back through our model of the lens, we were able to come up with a crude velocity description of the carbon dioxide cloud orbiting this quasar. In a sense, using the gravitational lens as a crude telescope allowed us to ask questions about the makeup of quasars we might not otherwise have been able to explore."

Blandford was very happy with the success of the project, and said, "I've enjoyed working with him as a SURF student over the past summer, and we're still working on our research on gravitational lenses."

## A Chance to Explore:

The Alumni Association is delighted to extend an invitation to the Caltech community to participate in a travel/study program in the Yucatan to explore the world of the ancient Maya. Led by senior research associate emeritus Bill Schaefer, the program, which will be held from February 24 through March 8, is designed to take participants behind the scenes for a comprehensive look at the greatest of Mesoamerican cultures. Two nights will be spent in each of the three major sites of Chichen Itza, Uxmal, and Palenque. There will also be explorations of the lesser-known ruins of Labna, Sayil, and Kabah with their distinctive architectural styles. Other visits will include the Calakmul Biosphere Research to visit recent excavations, as well as to the seaside ruins of Tulum, poised above the Caribbean.

For further information, contact Judy Amis at extension 6594, mail code 1-97, or [judy\\_amis@starbase1.caltech.edu](mailto:judy_amis@starbase1.caltech.edu).

Ancient America

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LETTERS TO THE EDITOR

*Caltech staff abuses Honor Code*

Dear Editor,

The other night I found within myself a need to expand my horizons and explore my surroundings. I decided upon the Caltech version of spelunking, going when many had gone before. I descended into the tunnels. After a while I found that this particular tunnel opened up into a room containing many orange water pumps. Having seen similar pumps, I ascended up a metal staircase and into Central Plant. The cavity was somewhat more interesting for it contained many generators and power switching equipment. After looking around a bit I exited through a door to the south. From there I walked across a parking area and down a flight of stairs. Inside this building was a massive waterfall of great beauty, framed by concrete walls.

I got caught. The details are irrelevant and actually quite mundane. However, during the chat with Security which followed I learned something which puzzles me

still: that "being in the tunnels is a violation of the Honor System." I do agree that the tunnels are dangerous and that there are all sorts of nasty things down there. In addition I concede that I had no need to be where I was. But an Honor System violation? "How so?", I queried. The answer was that I was breaking the rules. But how was I "taking unfair advantage"? Up until the time of my apprehension there was no one to take unfair advantage of!

This incident brings to light what I believe may be a misconception that some of the staff may have. The Honor System does not mean that we as students will blindly follow the rules set down by this administration. Rules are made and rules are broken. Some rules are good. They keep our labs, lecture halls, and hoves safe. Other rules are bad. They limit us and reduce us to mindless lemmings. The strength of the Honor System lies in it's simplicity. Attaching extra baggage to this code of behavior by decree weakens it and with it all of Caltech.

*No member shall take unfair advantage of any member of the Caltech community.*

ANONYMOUS STUDENT

*Affirmative action is a valuable program*

Dear editor:

Affirmative action is necessary, as President Lyndon B. Johnson said in 1965 when the policy was initiated, "to ensure that applicants are employed without regard to their national origin." It is not, as was stated in your January 5, 1996 editorial, a misplaced policy.

The policy of Affirmative Action was vague from the moment it was established, even when expanded to include public education in the Equal Employment Act of 1972; and contrary to the statements of your editorial, racial quotas are by precedent not permitted:

In 1978 the Supreme Court heard a case about a white man, Allan Bakke, who sued the University of California when not admitted to the medical school at Davis because of a quota system. The ruling states that strict quotas violate the majorities right to equal protection under the law, but that less rigid programs that are merely conscious of the race of the applicant are allowable.

The author, however, never included the fact that minority or

no, there are many well-qualified people who will never reach their potential or fulfill their dreams, simply because in our society there are not enough opportunities for every single person to succeed.

This equality of representation at schools and work reflect how minorities view themselves: if the same percentage of minorities exist in society as want to become doctors or engineers, this means that on average, the self image of a minority is high enough for him or her to set high goals and pursue high dreams.

The reason, I assume, that no issue was made over the fact that the majority of professional athletes are Black is because it is assumed that White people know it is possible to become basketball players; they are empowered and do not need the mental security blanket of a special program, since there are already people in the field.

The opportunities for Caucasian males are unlimited; it has been proven by years of accomplishment that white people can do anything — no such long history of accomplishment in the United States exists for minorities. There are no examples of female Presidents, or Latino C.E.O.s; if young children of minorities were to ask their parents what relatives did, the answer,

until the advent of affirmative action, would only have been housekeeping or manual labor.

This is why racial preference in hiring is not in any way meant to be payback for a long history of repression. It is just a way of repairing the damage done to the self images of those who have been put down for centuries; who by and large believe themselves now to be inferior in a nagging, subconscious way.

This is why Affirmative Action was established as a temporary program: It is meant to make equality a reality by encouraging those whose families never had a doctor or a lawyer in them to try, even if they do not truly believe themselves capable, to enter a new, complex field. It makes childhood dreams enough of a reality to actually strive for. As soon as there are enough role models in society to make all occupations seem open to young minorities, Affirmative Action can be ceased. It is simply a matter of when this should be done.

I believe that Affirmative Action is nearly finished with its work, but not yet. Even after it is finished, specifically hiring people from specific

SEE LETTER ON PAGE 15

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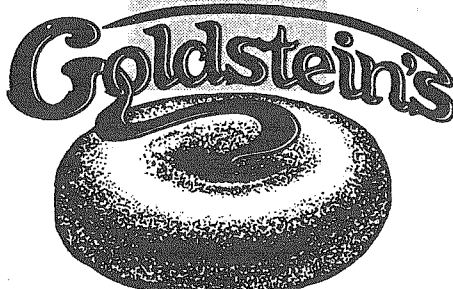
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# Aff Action: Minorities Respond

by Patricio Vela

In reading the affirmative action opinion piece on January 5th, the author has omitted key issues concerning the nature of our society in the recent past and in the present. While such ideals as equality and the irrelevance of sex, race, etc. are wonderful, we must examine the reality of the situation and how effectively and faithfully the said ideals are implemented by society.

Before continuing this debate, I must unfortunately recount our recent history since it seems possible that some members of our community have forgotten this. The essence of the Civil Rights Movement was to attempt to correct the wrongs of racism. The movement aimed to create equality; equality in education, job hiring, and various aspects of daily life whereby the minority citizen was given alternative resources, often inferior to the analogous majority resources (buses, bathrooms, etc.). In an effort to fix the racism and provide a level playing ground for minorities, affirmative action was initiated.

Therefore, the real question to be asked today is not whether

or not we need affirmative action, but has it lived up to its goals, is our equal employment mentality matched with actions which support it. To attack affirmative action without reference to this question is to deny affirmative action the proper attention it requires. So without further ado, let us examine the current state of the nation as it applies to the minority condition.

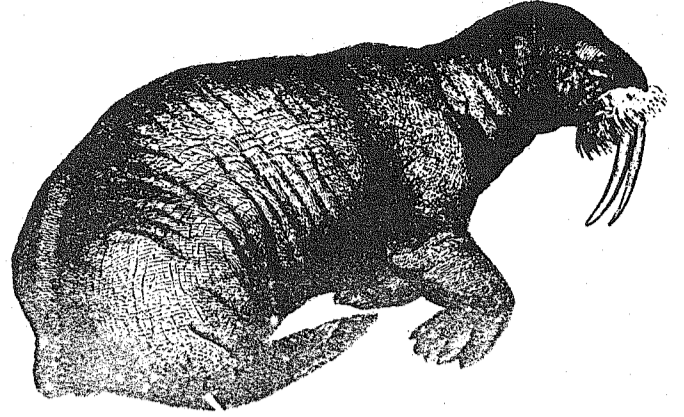
The media has happily devoted its time to the majority opinion, i.e. all those unfortunate people who lost their jobs to other minorities. Instead we will look at the minority viewpoint, which can easily be gleaned by reading just a handful of the many books in existence. In education, politics, the justice system, one sees many beliefs and actions which have two effects, glorifying the Anglo-world, or denigrating the minority population. The denigration works on two fronts: 1) by not showing the beauty and inventions of a group, and 2) by perpetrating negative stereotypes.

In our educational system, students learn of the wonderful discoveries, inventions, and intellectual accomplishments of the white majority. This makes sense considering their majority status,

but the complete lack of black, latin, asian, female, etc. personalities indirectly affirms the white male stereotype. Additionally the student learns of many facts as they pertain to english history. How our founding father did this or that, how some United States citizen discovered something, when indeed the reason for the existence of this fact has a basis on some African development, or some female discovery, or maybe the viewpoint being espoused is not necessarily correct. Examples abound, trial by jury (Africa), discovery of the double helix in DNA (Rosalynd Franklin), Sir Francis Drake (privateer to US, but a thieving, horrible man to Latin America), the first permanent settlement (most say Jamestown, but in reality it was San Agustin which was spanish), the stealing of northern Mexico from the Mexicans, the genocide of the Native Americans, etc.

In politics and the judicial system, there is much stereotyping of blacks and mexicans. Just recently a judge agreed that a latina mother was being abusive to her child by letting her first language be spanish (he claimed that knowledge of spanish was

SEE AFF. ACTION ON PAGE 15



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# Philosophy: You Need It

by Eric Dennis

Do you take it for granted that you will leave a humanities class just as ignorant of the subject matter as when you came into it? Do you take it for granted that there are no real answers to the questions posed in these classes as there are in the natural sciences? What is man's essential nature? How can he gain knowledge of reality? How should he live? — are these fruitless musings, forever relegated to the realm of the subjective, the non-absolute, the undefined? Why?

Is it not peculiar that man can so successfully understand and master his physical environment, that he can traverse oceans in a matter of hours, that he can probe into the infinitesimal atom, but that he seems unable to understand or to master himself — to understand or to master his own mind? The science of nature has proven itself. Perhaps you do not know that there is also a science of man.

Over two thousand years ago a man discovered the elements of that science, and for most of those two thousand years his ideas have been denied, forgotten, or sabotaged. The man was Aristotle, and his science is philosophy. But do not mistake what he called philosophy for what the moderns let pass by that name today. There is not a science, but

a game. Their goal is not to discover, but to play. Where there should stand the academic and cultural institutions of philosophy, there is now the intellectual equivalent of a sand-box. Are you curious as to what could have been had philosophy remained a science?

Ayn Rand was curious. Fifty years ago she set forth to make it one. The result is what she called the philosophy of Objectivism — the philosophy dramatized in her novels *The Fountainhead* and *Atlas Shrugged*. In brief, it holds that:

1) "Reality exists as an objective absolute" independent of

*Man must be left free to pursue his life and happiness — free from the force of others, no matter their numbers and no matter their needs or desires.*

any consciousness which perceives it.

2) "Reason (the faculty which identifies and integrates the material provided by man's senses) ... is his only source of knowledge, his only guide to action, and his basic means of survival."

3) Morality is the province of neither subjective preference nor divine commandment but of reason, and reason necessitates that each man take his own life, his own happiness, as his high-

est value to be gotten on the terms demanded by his nature as the kind of being he is.

4) Man must be left free to pursue this, his life and happiness — free from the force of others, no matter their numbers and no matter their needs or desires. Man has an absolute right to his own life, which means a right to act in support of his life and to keep the products of this action. The social system consistent with these principles is laissez-faire capitalism, the system which sanctions only voluntary dealings among men and in which physical force is used (by the government) only in retaliation against those who initiate its use.

Ayn Rand wrote: "As a human being, you have no choice about the fact that you need a philosophy. Your only choice is whether you define your philosophy by a conscious, rational, disciplined process of thought

... or let your subconscious accumulate a junk heap of unwarranted conclusions, false generalizations, undefined contradictions, undigested slogans ... " If you would prefer the former path, the path taken by Ayn Rand herself, perhaps you would be interested to study her philosophy. A few of us at Caltech have been and are doing so. We are forming a campus club for that purpose, and if you would like more information about it e-mail me at edennis@cco.

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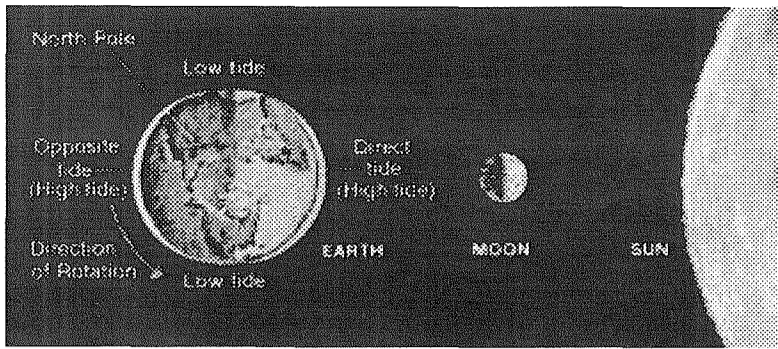
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**NEXT WEEK:**  
**THE BROTHERS McMULLEN**



# CALTECH SPACE SOCIETY WARMS UP FOR SPACE 101

by Joe Trela

It's the start of winter term, and once again the thoughts of Techers lightly turn to snow, the Winter Olympics and, of course, the Space 101 high school conference. Okay, so the snow will mostly stay on the mountains until Inuit Freedom Day and the Winter Olympics got pushed off to 1998. But Space 101 remains!

This Saturday (1/20) at 3:15 p.m. in SAC Clubroom B, the Caltech Space Society will have its first general meeting of the term to begin preparations for the 1996 Space 101 conference, which is to be held on February 24. This conference of high school students from all across the Southland will follow the same general plan as last year's highly successful conference on asteroids and comets, but this time the focus will be on the long-term colonization of space. There will be four seminars focusing on the politics of space

colonization, the technological aspects, the medical and biological problems and available information on the Internet. We are planning to include other elements as well, including an "Oregon Trail"-type colonization computer game (ask your older siblings, frosh) that will let players build their own mission and try to avoid running out of important things (such as air).

However, a lot of the specifics remain to be determined and this is your chance to get in on the ground floor and mold the minds of our nation's future. In addition, we will discuss elections for new officers and the upcoming YESS "Spacecraft Design" program for high schools. And (most importantly to some of you), we will have food available! New members are always appreciated, so come on down and help the human race achieve its Manifest Destiny in space (*insert stirring music here!*)

# NEWS Perpall Awarded

by Jim Cheng

Before an audience of judges and guests, nine Caltech SURFers presented the results of their summer research projects in the final round of the 3rd Annual Doris S. Perpall SURF Speaking Awards, held Wednesday in the Beckman Institute Auditorium.

Having been selected as both the best speakers in the session on SURF Seminar Day in October and in a semi-final round, the nine finalists again delivered their twenty-minute presentations before a panel of eight judges comprised of Caltech and JPL faculty members and an alumnus.

After a few opening remarks by Carolyn Merkel, the final round of the competition got underway as Heidi Eldenberg began her presentation, which highlighted her research on the 17-year history of the SURF program.

She was followed by David Cuthbert and Sebastian Maurer, who presented their research on high speed digital communications and vortex pinning in superconductors, respectively. After a short break for refreshments, finalists Jane Brock, Samson Timoner, and Gina Serraiocco gave their presentations, on aminoborolide chemistry, nanofabrication, and plant genetics. They were followed by Jeremiah Darling, who lectured on his search for quasars, Rebecca Blankenburg, who gave her presentation on fruit-fly neurobiology, and Steven Chase, who presented his research on light scattering.

After the finalists had all given their presentations, the judges selected the winners based on their presentation skills, and awarded first prize to Jeremy Darling, the second prize to Samson Timoner, the third prize to Jane Brock, and honorable mentions to all the other finalists who had made it this far.

The Perpall Awards were started three years ago by Robert C. Perpall, a 1952 Caltech alumnus and SURF board member, in memory his of late wife. Asked why he started these awards, Perpall replied, "I noticed students doing good research, but they weren't doing well on their presentations for SURF Seminar Day, and that's the only time their sponsors get to see their work." To give an incentive to SURF students to prepare better presentations, he started the awards in honor of his late wife.

# The Outside World

by Myfanwy Callahan

JERUSALEM, ISRAEL — **Palestinian gunmen** killed two Israeli soldiers Tuesday near Hebron. It is surmised that the attack was a response to the killing of Israel's most wanted terrorist, Yahya Ayyash, two weeks ago.

KEMSI-YURT, RUSSIA — As of Wednesday **Chechen rebels** still hold a village near the border despite Russian siege. They have expanded their efforts to include the Black Sea, hijacking a Russia-bound ferry with 165 people on board. Another group captured 30 employees of a power station near Grozny, hoping to induce a withdrawal of Russian forces from Chechnya.

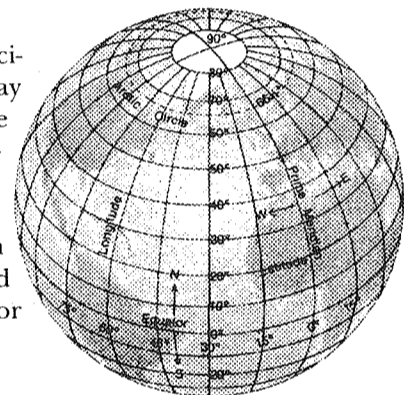
MOSCOW, RUSSIA — **Anatoly B. Chubais**, the last liberal on Yeltsin's cabinet, resigned. He had supervised changes in the Russian economy and resigned because of the criticism he received from Yeltsin.

SAN ANTONIO, U.S. — Scientists announced Tuesday that the **dark matter** of the universe is most likely simply a number of unseen white dwarfs. Dark matter is said to make up as much as 90% of the universe and has remained a mystery for years.

SEATTLE, U.S. — Yet another way of contracting **AIDS** was recognized when Washington State's top educator announced how she became infected. Like seven other known cases, she contracted the disease after trying to become pregnant through artificial insemination.

SHANGHAI, CHINA — China's government announced Tuesday that incoming financial news will be monitored from now on by the New China News Agency for content and subscriptions. **Chinese leaders** have grown concerned about the flow of foreign information into the country via various media, including the Internet.

ZAGREB, CROATIA — Most of the data on **human rights violations** in Croatia that the United Nations has collected in the last four years has been stolen, reported officials Tuesday. No back-up files existed.



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# A.S.C.I.T.

## Minutes

January 15, 1996

**Present:** James, Dave, Kanna, Tom, Ken, Laura  
Meeting begins at 10:04 p.m.

☛ Somebody mentions that Francois ("Willie", "Bill", "William Penn") is Blacker President. Kanna leaves for a short while. Ken tells us a funny story. It involved a funnel. Christina walks by and waves hi. James and Ken discuss VGA Planets. Kanna returns.

☛ Tom calls Melissa and puts her on speaker-phone. Melissa has all of the UROH (Undergraduate Research Opportunities Handbook) printed and is now waiting to contact a publishing company (Econoprint) which Gina recommended. The UROH should be out in one to two weeks. Melissa says good-bye, and hangs up. Tom calls the 5X lab, and somebody answers the phone. Tom asks (Greg. Who? Greg. Who? Greg. DAC? No, Greg.) for Greg, who isn't there.

☛ Dave mentions that an election is going on. The election for President/Vice-President (BOC Chair) will happen next week on Monday. *Signups For Elections For All Other ASCIT Offices (Sign Up) (This Means You) WILL BE PUT UP NEXT WEDNESDAY.* (bold, underlined, 18 point font)

☛ Tom says the NSBE (National Society of Black Engineers) will present us with a proposal for funding for Black History Month in a few weeks. Tom also agrees to do donuts cause Tom wants to drive the van.

☛ The BOD discusses and revises the Bylaws changes separating the offices of BOC Chair and Vice President. The BOD passes the amended version of the change. The election for Bylaws changes will happen at the same time as the election for ASCIT President/BOC Chair (Vice President).

☛ Dave got funding for a 660C HP Inkjet from Stan Borodinsky. Dave would like to mention that Stan is a cool guy.

Yup.

*David Relyea*

ASCIT Secretary

### YNEWS

by Donna Ebenstein

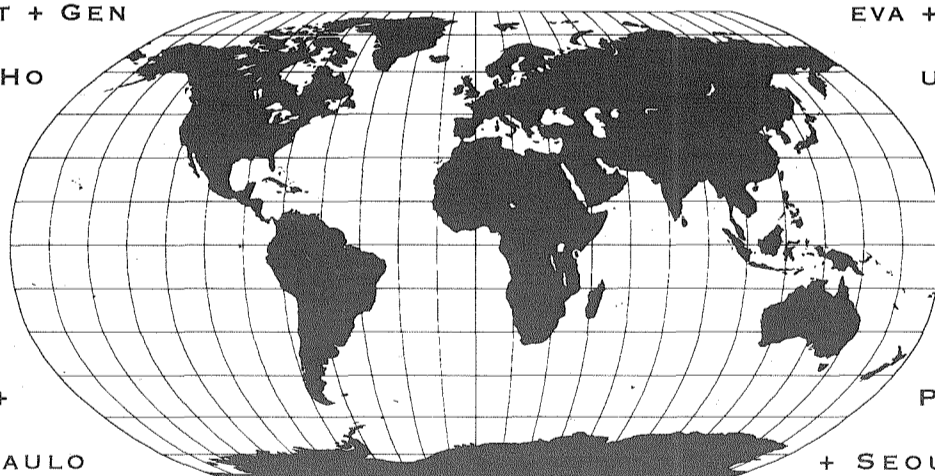
On Friday we are having our next installment of the noon concert series. **Sweet Cream USA**, a rock band, will be playing in front of Winnett at 12 noon. Bring your lunch out and enjoy the music (weather permitting!).

This coming week is **Wellness Week**. This means there will be a series of events promoting living a healthy, happy life. A brief calendar follows, but you should call the Caltech Y (x 6163) for more information or if you want to help out. The conclusion of Wellness Week is the **Senseless Death Comedy Night**. Senseless Death is a comedy group that has played successfully at numerous Decompressions over the past three years, so you should come and see them again.

Wellness Week Calendar (January 22-27):

<b>Monday</b>	<i>Understanding and Overcoming Procrastination</i>	
	12-1 p.m.	Winnett Clubroom 1 <b>Free Food</b>
<b>Tuesday</b>	<i>The Facts About Depression</i>	
	12 noon	Winnett Clubroom 1
<b>Wed.</b>	<i>Traditional Oriental Medicine</i>	
	12-1 p.m.	Winnett Lounge
	<i>Barnaga Night: Relating Across Cultures</i>	
	6-9 p.m.	Winnett Lounge <b>Dinner Provided</b>
	<i>Open House at the Student Health Center</i>	
	4-6 p.m.	Young Health Center <b>Free Food</b>
<b>Thursday</b>	<i>Chamber Music Concert</i>	
	12-1 p.m.	Dabney Lounge <b>Lunch Provided</b>
<b>Friday</b>	<i>Health Fair (health booths and samples)</i>	
	11-2 p.m.	Winnett Quad <b>Free Stuff!!</b>
	<i>Wellness Week Family Night</i>	
	5:30-7 p.m.	Winnett Lounge <b>Free Food</b>
<b>Saturday</b>	<i>Senseless Death Comedy Night</i>	
	9-11 p.m.	Winnett Lounge <b>Free Food</b>

+ AMSTERDAM + ATLANTA + BARCELONA + BERLIN + BOGOTÁ + BOMBAY + BOSTON + BRUSSELS + BUENOS AIRES + CARACAS + CHICAGO + CLEVELAND + COLOGNE + COPENHAGEN + DALLAS + DUBLIN + DÜSSELDORF + EUROCENTER + FRANKFURT + GEN  
 HELSINKI + HONG KONG + HO  
 JOHANNESBURG + LISBON  
 MADRID + MELBOURNE +  
 MINNEAPOLIS + MONTERREY  
 MUNICH + NEW DELHI +  
 OSAKA + OSLO + PARIS +  
 SAN FRANCISCO + SÃO PAULO  
 VALLEY + ST. PETERSBURG + STAMFORD + STOCKHOLM + STUTTGART + SYDNEY + TAIPEI + TOKYO + TORONTO  
 VIENNA + WARSAW + WASHINGTON D.C. + ZURICH + AMSTERDAM + ATLANTA + BARCELONA + BERLIN +  
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**Thursday, January 25, 1996**

**Athenaeum – Main Lounge, 4:00 pm – 6:00 pm**

Interviews will be held on February 15, 1996

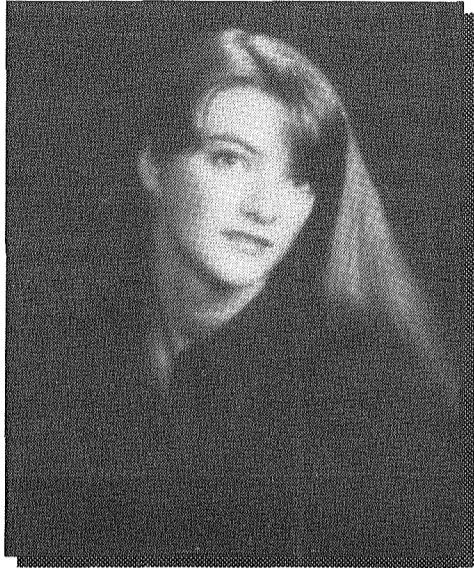
Interested candidates should submit their resumes along with an official transcript and SAT/GMAT/LSAT/GRE scores by February 2, 1996 to:

McKinsey & Company  
 400 South Hope Street, Los Angeles, CA 90071-2890  
 Attn: Susanne Mahoney

# ASCIT VP / BoC CHAIR

The Vice President shall, during absences of the President, assume the duties of that office. He shall act as Chairman 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.

## MARIA SATTERWHITE



The Honor System is probably one of the most unique aspects of undergraduate life at Caltech. This system allows us to live in an extremely open environment and promotes an atmosphere of trust within the student body and between students and faculty. The Board of Control's role in ensuring that the Honor System continues effectively is to investigate and deal with any suspected violations of the Honor Code and to make sure that the community is educated about living under the Honor System. The ASCIT Vice President/ BoC Chair must make sure that the BoC is playing this role in the community effectively.

One of the primary responsibilities of the Chairman of the Board of Control is to lead the investigation of possible honor code violations with the BoC Secretary and to preside over hearings when a case is brought to the full board. I have served on the Board of Control as a Representative at large for the past year and have assisted with the process of investigation and resolution of Honor Code Violations. Every defendant has the right to a timely and well-thought out investigation before a case is even presented to the full Board. I feel that this responsibility is extremely important, and I will do my best to devote a great deal of time and effort to this process.

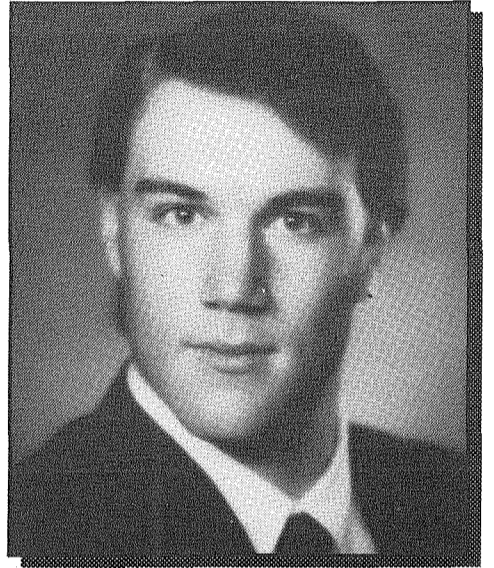
The Board of Control Chairman must act as a liaison between the BoC and the rest of the Undergraduate Community. In addition to explaining the Honor System to new students, this includes soliciting input from the undergraduate community about the effectiveness of the Honor System and the Board of Control. Recently, the BoC has discussed several strategies for improving communication between the Board and the student community. Some of the ideas suggested include distributing a survey to current undergraduates asking for impressions and input about the Honor System and the procedures of the Board of Control, and holding open meetings once or twice a month as a forum for discussion of procedures and general ideas. I would like to see more of these ideas implemented and plan to work toward this if I am elected. The Board of Control is composed of representatives chosen by the undergraduate student body and needs to be in constant contact

with the community. I feel that it is the chairman's responsibility to encourage and promote this communication.

The BoC Chairman should also be in contact with the faculty to discuss the Honor System from an academic viewpoint. In order for the Honor System at Caltech to remain in place to the extent that it is now, we need the faculty to support the system by counting on students to uphold the high ethical standards that we raise for ourselves. By keeping an open line of communication with the faculty, I hope that we will continue to have the support of our professors (and hopefully gain some along the way). The BoC Chairman's responsibility in this area includes attending faculty board meeting and meeting with professors in the investigation process. I would also like to develop additional mechanisms to communicate with the faculty, perhaps orientation sessions for visiting professors and new faculty or question and answer sessions with members of the Board of Control and the community at large about the Honor System and its effectiveness.

In conclusion, I would like the opportunity to represent and serve the undergraduate community in this position. If elected, I will attempt to fill this position to the best of my ability. I hope that you will consider voting for me for ASCIT Vice President/BoC Chairman in Monday's election.

## JAMES PIERCE



One of the craziest things I have ever seen happen during the first term of frosh year, during finals week. An upperclassman came out of his room very irate, having just finished a final. He was yelling and stomping and telling everyone that he totally blew the exam because he couldn't remember one formula. He knew the page number, the paragraph before and after, but not the formula; since the test was closed book, it remained that way for the whole test.

It would have been easy for him to cheat, behind that closed door and closed window. He could have opened the book and looked, and probably never gotten caught. But he didn't.

That was when I realized just how important the honor code is. It is an integral part, not only of academics, of student life, of the Caltech community, but of research, science, and life as a whole. It works because almost every one of us wants it to work. We each do our part.

I'm running for Ascit VP - Boc

Chair because I would like to do my part. Unfortunately, no system is perfect, including ours, but I would put my time and my effort in with the other members of the Boc so that we can keep the system running smoothly and, in the end, help keep our community the way we all want it.

Thanx.

The elections for ASCIT President and ASCIT Vice-President/BOC Chair will occur on

Monday from 10 a.m. to 10 p.m.

Bylaw changes passed by the current ASCIT BOD will also be put up for vote in this election.

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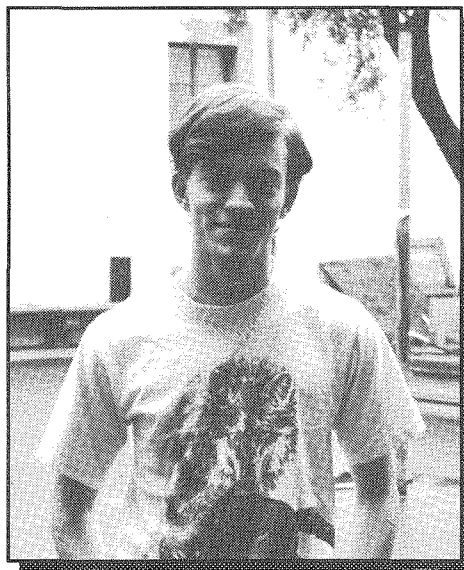
# ASCIT PRESIDENT

The President shall be the official representative of the Corporation, and he shall preside at all meetings. He shall be chairman, without a vote unless a tie occurs, of the Board of Directors, and a member of the Executive Committee. He shall have ultimate responsibility for proper observance of all responsibilities delegated to all members of the Board of Directors. He must be a junior or senior in the fall term immediately following his election.

## Dave Relyea

Hi. My name is David Relyea, and I'm running for ASCIT President. I tried to recycle my statement for ASCIT Secretary from last year, but somebody deleted it. My goal as ASCIT President will be to find that person and kill them.

Actually, I'm running for ASCIT President for a variety of reasons. During my term as ASCIT Secretary, I learned how the BOD conducted its business (on a day by day and a term by term basis) and I talked and worked with various members of the administration. I saw budgets for clubs and publications, begged for money from higher powers, and put out a decently comprehensive set of minutes every week. I enjoyed serving on the ASCIT BOD. I'm not even bitter. Serving on the BOD allowed me to open-mindedly (usually - nobody's perfect) have a say in club funding, bylaws changes, and general weekly decisions concerning the student body. The BOD attempted and (I feel) succeeded in fairly donating money to all groups (houses, clubs, events, etc). Very few complaints surfaced after our budget meeting (and very few occurred throughout the entire year). The BOD didn't aggravate the entire student body, and I'd like to continue this tradition (go figure) by adhering to most of the current BOD's policies (financial, administrative, etc). From my experience on the BOD, I feel that I'm qualified for the position of president and that I can do the amount of work involved. As many undergraduates don't actually know what the ASCIT president does, I'll add that the job of the ASCIT President currently involves tasks such as relating student issues to the faculty and administration, making sure that the operations of the ASCIT BOD are running smoothly, signing checks (requires a messy signature), and acting as information guru to everyone who needs to know bizarre, exotic questions that might pertain to the



ASCIT government (I know nothing about the status of the ASCIT Van in 1963) (but there are minutes which run back to the forties in the ASCIT office, and if you think I'm going to read them, then you know how boring spring break gets at Caltech). The ASCIT president is also supposed to act as a fair, non-partisan arbiter upon the BOD, and I believe that during my term as Secretary, I've fairly considered both sides of every argument before arriving at a decision (and voting).

The current ASCIT BOD has been responsive to the needs and desires of the student body, houses, and groups. I intend to put a considerable amount of effort into making sure that next year's BOD is (and most importantly, I am) just as responsive to the comments, queries, requests, and demands-by-gun-point from the student body (though the last, I believe, can be handled by the BOC Chair). I believe I have the experience, the ability, and (very importantly) the time it takes to be ASCIT President. Again, my name is David Relyea. Thanks for reading this.

## JAMIE WALLS

*Note to the reader: by the time you have finished reading my statement, you will hopefully know the answer to the ancient and often debated question, "What do you get when you stab a baby?" denoted by \*.*

Before I go into the various points of my manifesto, I believe a brief introduction about me would be helpful. For those of you who do not know me, you can call me Jamie Walls; for those of you who do, I told you not to call me. Those of you trained in physiognomy of those you who read Cosmopolitan can see from my picture that I am an introverted soul who seeks asylum from the outside world, choosing to hide behind a veil of hair. Don't let my child-molesting appearance fool you; I really despise children, especially the ones that have eyes (I have been exonerated from all charges brought up against me).

Although I have done nothing for the Caltech Community except consume precious oxygen, me pre-Caltech days were full of moments where I assumed various degrees of leadership. During my high school days as head librarian's aide, I helped mitigate the painful transition from the Dewey Decimal System to the Library of Congress system. During a summer in Berkeley, I became involved with a group of militant pantheistic electrophysiologists whose sole purpose was to propagate the idea that all nervous twitching of muscles could be remedied with electric shocks to the thyroid gland supplemented with religious readings. During this time, I worked my way up to top test specimen, where experiments performed on me helped establish the link between the dreaded charley horse and the music of Tony Bennett.

Enough about me sordid past. You may be asking yourself what can I do for you. Well here are six propositions that, if elected, I would try to implement.

**Proposition 1.** I propose to help nurture student/administration relations by allowing lists of addresses, telephone numbers, and other personal information of the various members of the administration to be available to the student body. This will facilitate in achieving that intimate level that only terrorists and stalkers possess with their acquaintances/victims.

**Proposition 2.** Doughnuts!!! When I think about the main function of ASCIT President, this word resonates inside of me. To think that this disyllabic word, composed of two words, one slang for money, the other slang for insanity, could come to symbolize the ASCIT President. You may be asking yourself what novel ideas does Jamie character have in store for the donuts? Well wonder no longer, for I propose that we get rid of those bland tasting, all too greasy and gooey Far Foster's donuts (AKA the Donut Man), and replace them with sumptuous yet subtle Winchell's Do-



nuts, whose flavor still reminds me of my happy days in the quarry.

**Proposition 3.** The ASCIT minutes will from now on be reported in Swahili, with ASCIT BOD meetings being conducted in Assembly, this further preserving the technical nature of out school.

**Propositions 4.** I will actively campaign for increased safety measures here on campus. The feeling of security is an intrinsic right that all people should be allowed to possess. Keeping this in mind, I will make sure security officers are fully armed with the latest technology in armor piercing ammo, and a policy of brutality will be implemented to help us, the students, feel safer. Speed bumps will be constructed all through campus sidewalks to make sure people are not walking at unhealthy speeds. Also, if I am elected, I will personally wear a seat belt at all ASCIT BOD meetings, hopefully presenting the message that seatbelts save lives to the Caltech masses.

**Proposition 5.** To remove the number 4 from all campus extensions. Along with changes in extension structuring, I would also try to fund more clubs. In the past, clubs and events like Scientists for Sadism, the Pedaphiliac's Toy Drive, and Wei Hwa's Puzzle club could not be funded, no doubt due to budget constraints. I propose to make funding no longer an issue by strengthening the ties between student government and organized crime.

**Proposition 6 (66).** My final point: none of what we do now, no matter how revolutionary in nature, can save Caltech from its fate. Old Celtic lore prophesied that a gigantic shaking of the earth (an earthquake) would cause the ground to open up, causing Caltech (referred to in legend as the City of the Damned) to sink back to the depths of hell in which it was spawned. Oh well.

I hope you enjoyed the manifesto as much as my psychological advisor at the health center did. My \*erection as ASCIT President would be a turning point in student body elections (the term "downfall" comes to mind). I hope you are now in an enlightened frame of mind to do the right thing.

## THE TECH EDITORS

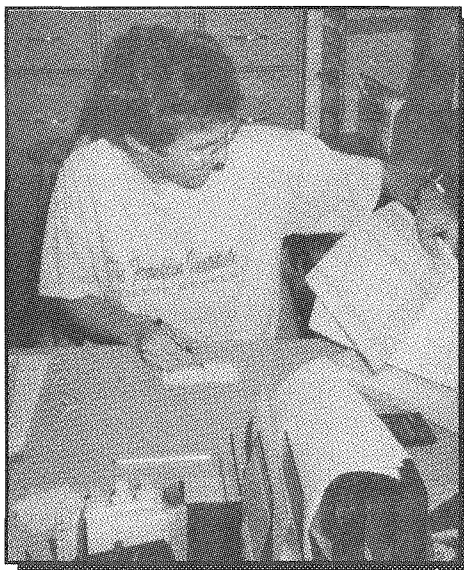
Every year, several highly unqualified people run for ASCIT president. However, we present an alternative to this conundrum; in our case, several unqualified people are running under one banner. Therefore, we expect you guys to vote for us. In fact, there is no doubt in our minds that we will not only win, but do so unanimously. One would have to be completely crazy not to choose us, as we possess the power of multitudes yet the efficacy of few.

There are several policies which we will implement upon our victory. First, we intend to increase the power of The Tech as well as the compensation substantially. Additionally, we would like to systematically eliminate all prior Little T editors because of the grief we have incurred in the past as a result of their malicious activities.

Moreover, we are sick of being confined to the miniscule office we currently use in the SAC. In fact, it is to your utmost benefit to give us the room we need to breathe. Therefore, when elected, we will annex the entire SAC, Blacker House, Ruddock House, and Beckman Institute for the glory of The California Tech. (We want all the ASCIT chairs!)

As Tech editors, we know the importance of responsibility, and as such, we promise, that if elected, we'll put all the ASCIT chairs to good use (we're not quite sure what that is yet, however...)

Finally, as we are the only important publication on campus, it is imperative that we be the only one. So, once elected, we will eliminate this cam-



pus from the scourge of these daemons.

A vote for us is a vote for stability and action. We're not afraid to do what we want! We will force people to do what should be done, whether they like it or not. Vote for us! It will change the world as we know it. We're not just strangling cats anymore! First Caltech, then the world!

# ADAM VILLANI: MEDIA GUY

by Adam Villani

## Do You Watch a Lot of Movies?

With the Oscars coming up, critics' and other associations' awards coming in, and the year-end "prestige" movies getting a wide release, this is the most exciting season of the year for cineastes like myself. Inspired by all of these goings-on, I'd like to form a group of avid moviegoers from the Caltech community to get together and honor our choices for the best movies, performances, and other cinematic achievements of the year. If you're a member of the Caltech community who's seen at least thirty movies released in 1995 and would like to contribute, then send me e-mail at [adam@cco.caltech.edu](mailto:adam@cco.caltech.edu). You can see a reminder list of 1995 releases and visit other movie-related sites on my web page at <http://www.ugcs.caltech.edu/~adam/>.

## Georgia

Jennifer Jason Leigh seems to play nothing but self-destructive drunks these days, but in doing so she's rightly earned a reputation as one of the finest young actresses working today. Her latest movie, *Georgia* (playing at Laemmle's Esquire theatre), is a character study of Sadie, a self-destructive drunk bar-band singer (Leigh, of course) and her

relationship with sister Georgia, a successful middle-of-the-road Bonnie Raitt-type singer-songwriter family woman played by Mare Winningham. While moving from job to job and man to man, Sadie lives much more in admiration of her sister than envy. Georgia, on the other hand, loves her sister but hates to see her abusing herself, meanwhile both of them are tired of the responsible Georgia always coming to Sadie's rescue. The surprising thing about *Georgia* is how upbeat the movie is despite its subject matter. Sadie retains her optimism despite her failings, and likewise the movie retains a glimmer of hope even in its darkest hours.

## The City of Lost Children

*The City of Lost Children*, a bizarre and astounding product of Jean-Pierre Jeunet and Marc Caro's cornucopia of imagination, has the honor of displacing the wondrous *Babe* as my favorite film of 1995. A work of pure fantasy, *The City of Lost Children* is the tale of a strongman (Ron Perlman, of TV's "Beauty and the Beast") and his quest to retrieve his little brother from the clutches of Krank, a melancholy artificial man without the ability to dream who kidnaps children from a seaside town to steal their dreams. Jeunet and Caro's unnamed town is from neither the past, present, or future and is in no

known place on earth. The world of *Lost Children* is populated with the most freakish denizens of any movie I've seen, from a flea trainer whose fleas carry vials of a madness-inducing poison to six clones with sleeping sickness to "cyclopes" with video cameras instead of eyes. The story makes only a marginal amount of sense, but that doesn't matter—this movie is a magical feast for the eyes that is guaranteed to have you gasping with amazement. It's showing now at the NuWilshire in Santa Monica.

## The American President

I didn't really want to see this movie, because the ads for this thing made it look like a hokey left-wing flag-waver. But then the accolades started coming in and there was talk about it getting nominated for Best Picture, so I decided to satisfy my curiosity and check it out. To my surprise, *The American President* is a pretty smart, well-directed hokey left-wing flag-waver displaying a good sense of comic timing. It's good to see Michael Douglas (as the President) in something other than the "angry white male" role he's done to death in *Basic Instinct*, *Falling Down*, and *Disclosure*, and Annette Bening out-Meg Ryans Meg Ryan as the President's cute girlfriend. The best reason to see this movie is to watch Michael J. Fox play the President's uppity fresh-out-of-the-Ivy League domestic advisor. This movie's politics stride right down the Hollywood Democratic Party line, but it does bring to light the fact that government as it usually works in America is much more about trying to get reelected than about doing anything to serve the American public.

# SUCCESS AND DESIRE

by Samson Timoner

Your life is your own. When you sit down to do a homework set, you do it for yourself, no one else. You are the master of your destiny. Your success in life is up to you and you alone. You can achieve anything you want. The question becomes, how intensely do you want to succeed?

Desire is the most important ingredient to success. If you want anything badly enough, you can get it. You can become who ever you want to be if only you are willing to work hard enough. In the words of Vidal Sassoon, "The only place where success comes before work is in the dictionary."

Achieving your dreams will require hard work. When you are writing your goals list, figure out how much work you will have to do to accomplish each goal. Determine how much free time you will need to give up or how much money you will need to save. If you want to succeed badly enough, you will make the sacrifice.

Let's say your goal is to become a tenured professor at a top notch university like Caltech. Are you willing to work an extra hour every day to get a 4.0 GPA? Are you willing to spend sixteen hours a day studying and working in a lab so you can be in a position to achieve your goal? Are you willing to spend less time in the lounge talking to friends and more time working? If you aren't willing to make the extra effort, are you willing to risk that someone else might, and pass you by?

The usual reply to questions like these is that hard work does not guarantee success. "Why should I risk working so hard when nothing may come of it?" I can only respond with one question. Are you willing to live the rest of

your life knowing you had the opportunity to live your dreams and you didn't seize it?

Ross Perot is a classic example of someone who had an intense desire to succeed and made the sacrifices

necessary to do so. He had a stable job at I.B.M making a comfortable salary when he decided he wanted to start his own company. Imagine how difficult it was to give up the safety and security of a job at I.B.M for an uncertain future. He gave up a 50 or 60 hour work-week for a 100 hour work-week. He gave up a large salary for no salary. For all his efforts, his company might never have succeeded — most companies don't succeed. But, he did it. He followed his dream with a ferocious desire. He created EDS which he would later sell for 1 billion dollars.

How can you build a burning desire to succeed? How can you build the will power to work the extra effort necessary to achieve your goals? The only way I know is to constantly remind yourself of your goals. Think about them when you get up in the morning, between classes, and when you go to sleep. The more important they will become to you. They will become your life - as they should be, since your goals are what you want to accomplish in your life.

Once you do have the unwavering desire to succeed, everything else will follow. By that point you will have the vision of what you want to achieve in life. You will have your goals list, which will help keep you focused on your future, and, you will have a plan to achieve each of your goals. These are four main ingredients in the recipe to become successful. If you master these four things and make the sacrifices necessary to achieve your goals: Beware. You might just become the next Ross Perot.

Next Week: Your Future, Your Attitude.

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## Late Evening Pick-Me-Ups At The Coffeehouse She's Open Again



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January 7, 1996

### False Fire Alarm

While playing with a Frisbee, students in Blacker House accidentally hit a smoke detector. Service mechanic notified.

January 8, 1996

### Suspicious Person

Security responded to a report of 3 males sitting in a truck on the third level of the Holliston parking structure. Upon arrival, persons and vehicle were no longer on property.

### Vandalism

Victim stated that her office was in proper order on January 6, at 5:30 p.m. Upon returning to work on Monday, discovered two frames valued at \$80 were damaged, name plate was on the floor and

items on her desk were moved around. Nothing seemed to be missing.

### Missing Mail

Victim stated that four checks were placed in the interoffice mail at Baxter Hall 3rd floor mail boxes on December 12. As of January 8, the mail had not reached the intended parties.

### Unauthorized Entry

On January 8, at 11:58 p.m., security responded to a report of an unknown person in the tunnel area. Upon arrival discovered a student in the tunnel area. Student was advised of the danger of being in the tunnel area and that entry is restricted to authorized personnel only.

January 9, 1996

### Theft

A white Hatachi, Auto Home Bakery Plus, bread machine valued at \$230 was taken from the Allies kitchen area of the Fleming house. The bread machine was last seen on December 30, 1995 at approx. 7:00 p.m.

January 11, 1996

### Theft

On January 2, victim mailed a package containing an audio tape

from Downs to Baxter using interoffice mail. As of January 11, mail had not reached its intended party.

January 13, 1996

### Suspicious Odor

Security responded to a report of a gas leak at 370 Catalina on the 3rd floor. Security notified the Pasadena Fire Department. Upon their arrival it was discovered that the smell was lighter fluid from a B.B.Q. grill on the lower floor.

### Incident

Security responded to a report of candles burning on the roof of 430 Catalina. It was discovered that the candles had been placed on the roof by a student. The student was informed that for safety reasons the candles could not be in that location.

### Vandalism

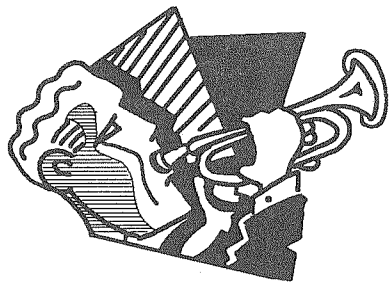
Security responded to a report of vandalism to a vehicle parked in space #754 in the Athenaeum lot. Graffiti was written on the passenger side windows of a black Mercedes Benz, parked in space #754.

### Theft

One ASCIT chair reported missing. Victim frantic.



So, we have been just throwing in CD reviews here and there as we get them for a time, and, like all good bachelors, our CD reviewers have conferred and decided to actually work together in something less than a completely chaotic way. So, we'll have CD reviews as a general feature, with over four different reviewers (in alphabetic, not quality, order): Mike Benedetti, who will be reviewing mostly everything—industrial, R&B, the blues, folk music, pop music, or just about anything that appeals to him; our alternative/techno set of ears, James Pierce (who has taken upon himself to review over 354 CDs so far, all to come for a LONG time!); Terry Moran, who finds himself heading towards punk/ska, with some classical rock mixed somewhere in there; and lastly, Patricio Vela, who is the Power 105.9 — Cypress-Hill-phile.



## Jim's CD Reviews

by Jim Pierce

The CD's reviewed are all ones that I liked enough to buy, and as a result, the starring scheme is a little weird. it works like this:

- 0 - a gift, saved only to be a ride chaser
- 1 - it's okay, so I keep it around for those occasional urges
- 2 - it's pretty good, but either not great or not my usual genera
- 3 - it's good, gets listened to regularly, and I plug it to friends
- 4 - it's really good and spends more than its share of time in the player
- 5 - it's absolutely awesome and I can't live without it. (note that there are not very many CDs that make it this high)

Mean=3, Std dev=.5

The halves are because I can never make up my mind. if you want any more info on any CD, or think I should hear one of yours, just drop on by my room (Dabney 11) or email me (jpierce@ugcs).

### Alien Community I+II

This purple album with two schwa on the front is a two-CD set

from FAX USA. Found in the ambient section, I bought it on a whim; since then, it has taken me on a long and perilous voyage with interdimensional communication. The first CD begins with a very airy, open atmosphere, leading to that beep-beep-boop-boop fast ambient we know so well. After an hour of sounds that conjure images of hyperspace travel from a golden thirties dime Science fiction novel, it fades away with some beeps akin to Close Encounters of the Third Kind. The second disc is much more atmospheric than the first, and it's not quite as fast. All in all, 12 bucks for 2 hours 6 minutes and 9 seconds of good ambient, well spent. 3.5 stars

### The Allman Brother's Band: A decade of hits, 1969-1979

After hearing They Might Be Giant's version of "Jessica", I went out and bought this Allman Brother's band compilation. Not only does it have their really famous songs like "Ramblin' Man" and "Jessica," it also has some great live versions of songs from a concert at Fillmore East in 1971. Despite being out of the genera of music I usually listen to, this

foot tapping album is a great addition to any CD collection, with it's funky guitar and occasional blues riffs, and a great drummer to top it off. I especially liked "Statesboro Blues," an auspicious start to what proved to be an excellent album. 2.5 stars

### Ambient - 152 minutes 33 seconds, a brief history of ambient, volume 1

This is, in my opinion, the best ambient compilation I own. Granted, they butchered "Phaedra" by Tangerine Dream to make it short enough, but they have included lots of Eno, Hassell, and Fripp, as well as introducing me to the grid (way, way back when I first got this album). The second disc of the two CD set is a little weirder than the first, but still has cool meditative songs like *Dance #2* by Laraaji and Gong's *Castle in the clouds*. This album, whether for falling asleep, work, or just chilling out is definitely worth it. 4.5 stars

### Ambient - Imaginary landscapes, a brief history of ambient, volume 2.

Unfortunately, this wasn't as

good as volume 1; however, it did relatively well in the player. Laraaji had *Dance #3*, and the Tsinandali choir had a very chant-like, meditative "orovela." Some things weren't so hot, like "god" by black Jesus. The continuity of the two CD's were interrupted every few songs. If you like ambient, then this CD is a nice addition to your collection, mostly because of the large amount of Schulze, Eno, Fripp, and Sylvian, but I wouldn't make it a corner piece of ambient, because that slot should be reserved for volume 1. 2 stars

### Tori Amos - Crucify

This is her CD single with songs from little earthquakes plus some new stuff and a Nirvana cover (go Tori!). Besides the fact that she has an incredibly beautiful voice and tons of emotion, she manages to put so much meaning in her stuff. Her cover of "smells like teen spirit" was particularly cool, partly because you could actually understand the lyrics, and partly because the new twist to the song gave it a different message. If you like Tori, buy it. 3 stars

### Tori Amos - Little Earthquakes

I can't remember when I heard this album first, but somehow, it found its way into my collection, where it sat until senior year in High School. I was having a sad Saturday, so I went for a drive and popped this CD in. It has occupied my player often ever since. Tori's lyrics are very appropriate to the music, which sings,

hums, and sometimes even yells at you. She sings of love and sex and loss and sadness. The piano echoes sorrowful tunes behind her, and drums and guitar hit you in your ears. Definitely a great album. 3 stars

### Tori Amos - Under the Pink

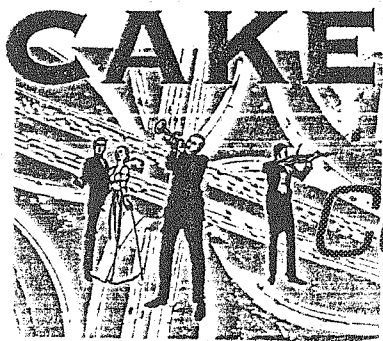
This is absolutely her best album. It's perfect for those moments; my biggest moment was when I had just past the 24th hour awake on an infinite time final, and the CD player switched disks, and on came pretty good year. I felt alright. The songs on this album are even better than on little earthquakes, and I feel that under the pink is less bitter and hating, too. Her voice wraps you soul and, listening to the album, you can't escape the feelings and the tones and the way the piano echoes behind her voice. 4.5 stars

### The Aphex Twin - I care because you do

I care because you do is an excellent beep-beep-boop-boop album whose bpm is not too fast, but not ambient. It's the eponymous collection of the Aphex Twin's techno singles released from 90-94, including my personal favorite, ventolin. Some people who are less fond of electronic music complain that a few tracks have a bunch of high pitched whines, but I think that it's in tune and fits with the drum program. Clearly a fine album. 2.5 stars

Word

c-ya next time... JP



Motorcade Of Generosity

Although some of these are right off the press, I'll be trying to introduce some somewhat older CDs which are worthy of notice of a more underground type style. I can't say that all the music I end up enjoying fits in so tight categories—some is more "harsh" while others are just talented. I have to admit that I have been saving up my CD reviews, but only put ion print this week those ones I really liked or knew most alternative/punk/ska listeners would most likely enjoy.

### Cake- Motorcade of Generosity (Capicorn)

This Sacramento based group is definitely a Rodney on the ROQ-type group- while MTV might not think that much of a group that prefers to remain completely inauspicious and fully enjoyable, Rodney as well as (from what I have heard) a couple Fresno college alternative stations have. Compared by some to a het-

### CD Reviews by Terry Moran

erozygote of They Might Be Giants and , Cake is simply very cool—their single is "Rock'N'Roll Lifestyle", which is just an awesome song, but "Comanche", "Mr. Mastodon Farm" and "Up So Close" are pretty cool too. Every person I know who knows of Cake heard one of their songs one time on one radio station, and has loved their songs since. Definitely worth a listening to.

### Suede- Suede (Columbia)

This isn't a very well known band (in fact, I'd say the front cover of this album is enough to discourage most people from looking farther, unfortunately), but I have to say the best that I have had a chance to review this week. The talents on this album are wide. "She's not Dead" is a song that would pull on anyone's emotions, while the "Drowners", "Animal Lover", "The Next Life", and "Pantimine Horse" are just awesome

as well. I was lucky enough to be introduced to Suede by a friend who hates KROQ limitations, and just because they are rather unheard of is more credit if anything to them.

### Dance Hall Crashers- Lockjaw (MCA)

Although they've dropped their ska trumpets, DHC hasn't lost their ska feel. Remaining in the background for the past five years or so, there's no doubt that, with the resurgence of ska in the growing popularity of No Doubt and Rancid and revisits to the English Beat, and the Specials, the Dance Hall Crashers are likely up and coming. Personally, I like ska quite a bit, and really liked this album. I found that their style took a little time to get used to: the group is an all female American ska band, with a fast beat and a sharp sound. But their music is very talented, and very addicting if you give it a chance! I especially recommend

"Sue Us", "Shelly", "Flyin' ", "Good for Nothing", and "Buried Alive" off *Lockjaw*.

### Big Audio Dynamite f punk (MCA)

This album is honest proof that bands can get too old; most just disappear, leaving a whispering of "whatever happened to..." in the mouths of the fans, but BAD had to slap their fans with one album too many. The label may say punk, but the music is much more in the style of John Denver: in one song, Mick Jones complains of how many Vitamin C he finds himself taking, while in another he claims he "turned out a punk"-if this is punk, then Mr. Rogers must be a rapper. I guess I wouldn't have been this disappointed if the last BAD album, *Big Audio Dynamite II*, hadn't been so damn good: with the original creation of BAD with the joining of the talents of The Clash and a couple other really talented British groups, all at the high point of their talents, there isn't a single song that isn't spectacular on the whole CD. But f-punk isn't even worth staying awake for. It can serve as a cure for insomnia, though...

There'll be more to come next week: Mallrats, Shattered, and a couple others.



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# Work for the Tech

# DILBERT® by Scott Adams

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**Panel 1:** I CALL MY NEW OPERATING SYSTEM THE "DOGBERT 2000."

**Panel 2:** SOON I WILL DOMINATE THE ENTIRE PC INDUSTRY! HEH-HEH...

**Panel 3:** IT LOOKS LIKE "WINDOWS 95."

**Panel 4:** I USE SOME OF THE SAME GRAPHIC METAPHORS, BUT I PRONOUNCE THEM DIFFERENTLY.

**Panel 5:** HOW DO YOU PRONOUNCE THE "MICROSOFT" LOGO?

**Panel 6:** THANKS TO MY SOFTWARE EMPIRE, MY NET WEALTH IS TWENTY BILLION DOLLARS.

**Panel 7:** CONTRARY TO POPULAR OPINION, IT DOES SEEM TO MAKE ME HAPPY.

**Panel 8:** MONEY CAN'T BUY A SUNSET, DOGBERT.

**Panel 9:** NO, BUT I WAS ABLE TO LICENSE THE DIGITAL RIGHTS.

**Panel 10:** AFTER I BECOME A BILLIONAIRE FROM MY SOFTWARE COMPANY I'LL DO A LITTLE DANCE.

**Panel 11:** I'M SO RICH IT'S ME YOU HAIL IF I'M OBNOXIOUS KISS MY TAIL

**Panel 12:** DO YOU PLAN TO DO ANY CHARITY WORK?

**Panel 13:** LET ME PUT IT THIS WAY— YOU JUST SAW MY CONTRIBUTION TO THE FINE ARTS.

**Panel 14:** I HEARD YOU WERE DOING SOME BABY-SITTING, BOB.

**Panel 15:** YEAH! I DID THE MORTON TRIPLETS LAST NIGHT.

**Panel 16:** IT'S NOT EASY TO JUGGLE THREE SCREAMING TODDLERS.

**Panel 17:** IT'S THE MORTONS WITH A QUESTION ABOUT THEIR CEILING FAN.

**Panel 18:** WHEN YOU SAY "JUGGLE..."

**Panel 19:** IF YOU PLAN TO REMAIN IN THE COMPUTER BUSINESS YOU'D BETTER BUNDLE THE "DOGBERT 2000" OPERATING SYSTEM WITH EVERY UNIT YOU SELL.

**Panel 20:** OTHERWISE, AFTER I DOMINATE THE MARKET YOU'LL BE LAST ON MY LIST TO RECEIVE NEW PRODUCTS!

**Panel 21:** YOU REMIND ME OF SOMEBODY...

**Panel 22:** IT'S THE GLASSES, ISN'T IT?

**Panel 23:** SEND THIS BY E-MAIL.

**Panel 24:** FAX IT, TOO, IN CASE HE DOESN'T CHECK HIS E-MAIL. AND MAIL THE ORIGINAL SO HE HAS A CLEAN COPY.

**Panel 25:** GOODBYE "PAPERLESS," HELLO "CLUELESS!"

**Panel 26:** DOGBERT MEETS WITH SOFTWARE DEVELOPERS

**Panel 27:** NOTE THE HUGE MARKET FOR SOFTWARE THAT RUNS ON THE "DOGBERT 2000" OPERATING SYSTEM.

**Panel 28:** BUT WHO CARES? THE IMPORTANT THING IS THAT I BROUGHT A BAG OF TOYS.

**Panel 29:** SOME SAY THE COMPUTER INDUSTRY IS BUILT ON SILICON. I THINK FOAM AND PLASTIC ARE EQUALLY IMPORTANT.

**Panel 30:** IT'S STATUS REPORT TIME WHERE EACH OF YOU GETS TO PROVE WHAT POOR COMMUNICATORS YOU ARE WHILE I ACT INTERESTED!

**Panel 31:** REMEMBER TO USE LOTS OF ACRONYMS THAT ONLY YOU UNDERSTAND. AND SPEAK IN A WHINY MONOTONE THAT MAKES US ALL WANT TO SLAP YOU!

**Panel 32:** I'M STARTING TO LOSE MY IDEALISM.

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# ATHLETIC ACCOLADES

by Angie Bealko

Over the next term, some of Caltech's most outstanding athletes and members of the community will be spotlighted weekly in this section. This week, two four year lettermen who have made outstanding contributions to the community as a whole are featured: Laura Verhoff and Mike Greene.

## All Aces:

Senior Laura Verhoff spends a lot of her time around the athletic facilities at Caltech. Besides being a four year letterman on the Women's Varsity Tennis team, Laura has also played Varsity Volleyball three years (lettering once), club softball, and some women's water polo. But her connection with the Athletic Department doesn't end there. Laura also helped start the Athletic Counsel for Mentoring and Education, a group of student athletes at Caltech who receive training on various issues surrounding athletes, plan special events for the department, and keep their teams up to date on what's happening around campus. Ms. Verhoff has also dedi-

cated a lot of time and effort toward various activities throughout campus. She was on the social team of Page House, and has served as its historian and Vice President in the past as well. In addition, she was ASCIT Athman for awhile and helped organize a hideous mess left by the previous Athman. Laura also has worked at the Residence Life Office for the past three years and worked at the Athenaeum for a year. She hails from Sarasota Florida and hence, you can often find her trying to catch a few rays out on the lawn somewhere on campus. Laura is majoring in environmental engineering and plans to enter the work force after graduating in June. Some of

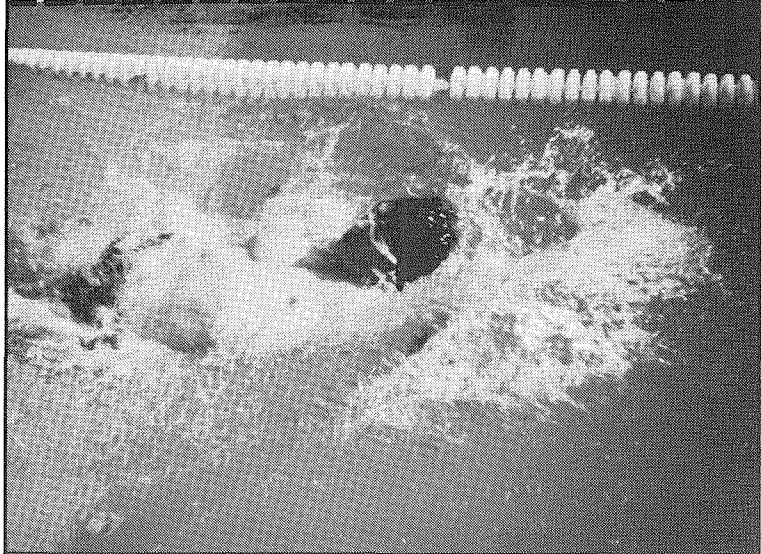
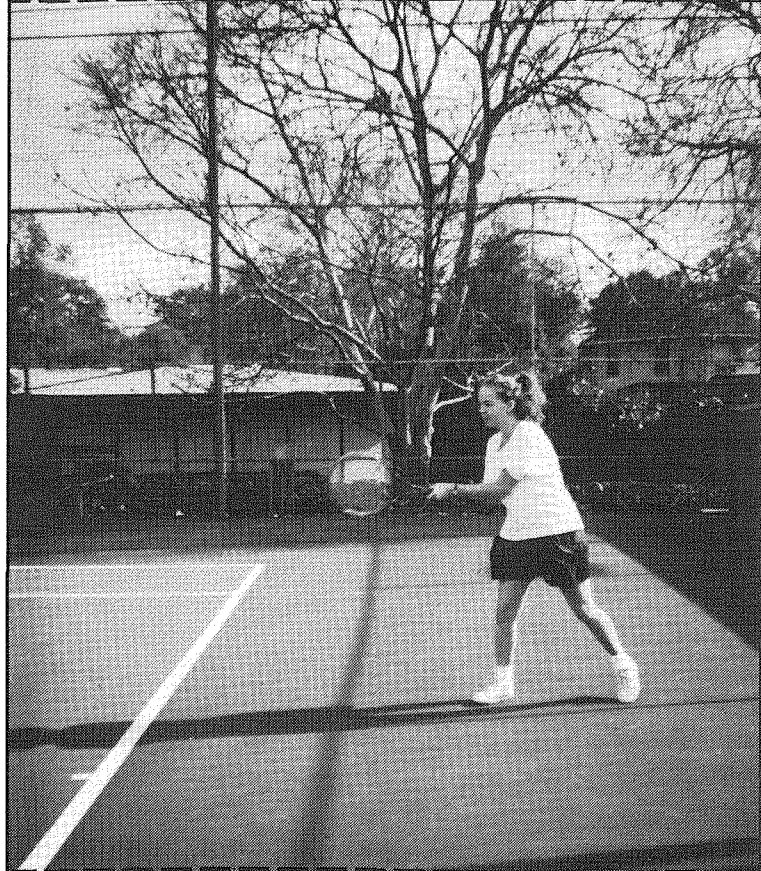
her greatest achievements in tennis include: 1993 Most Inspirational, 1993 Players Award, 1994 Most Inspirational, 1994 Co-MVP, 1995 Co-Captain, and 1996 Captain. During the 1994 season, Laura also posted an amazing 13 and 3 record with her #3 doubles partner June Fujimoto. This year Laura looks to make strong contributions to her team once again in hopes to finish even higher in the SCIAC championships than last year's high of a fourth place tie. Laura concentrates very deeply on the court and is quite an inspiration to watch. Catch her in action at the team's home matches this year on Wednesday afternoons and Saturday mornings.

## Water World:

If you've ever seen Senior Mike Greene walking around campus, you might think he was just the average mellow California grown boy. You would never know by looking at his relaxed stroll or his warm smile that this man would try to tear you apart if he ever met you in a pool. But then that's what might give him that extra edge...being underestimated. Mike has lettered for the past four years in both swimming and water polo. He plays with the sort of passion that many athletes at Caltech could only dream of. He currently holds three individual records at Caltech: 50 free, 100 free, and

100 fly. Mike has already made huge strides this year as he made an outstanding showing at UNLV over Christmas break against some very steep competition. His best races this year have been a 21.1 posting for the 50 free in which he took 2nd for that race, and a 56.7 finish for the 100 backstroke in which he won the race. Mike is hoping to make his first appearance at the NCAA National Championships this year, and according to his coach Clint Dodd his chances are excellent. Mr. Greene works extremely hard training throughout the season swimming every day from 4 to 6 and two times a

week in the mornings. He also lifts weights three times a week. Mike also puts in a lot of time as Page House's Vice President and one of the house waiters. He plans on entering graduate school after he graduates with a B.S. in environmental engineering in June. Mike is a true pleasure to watch due to his amazing speed. His philosophy during races he says is "to beat the guy next to me, especially when he takes second place." Mike played on his high school water polo team and swam as well when he lived in El Toro California. He hopes to try diving some time during the season, but is currently concentrating on increasing his speed for SCIAC swimming finals in six weeks. Witness Mike's smooth strokes at Saturday morning meets as he trains for a trip to Nationals.



## Scoreboard

by Angie Bealko

- Friday 1/5 Men's Basketball Won 76-55 Arizona College of the Bible (Hi-Tech Tournament)  
 Saturday 1/6 Men's Basketball Won 71-61 Southwestern (Hi-Tech Tournament)  
 Saturday 1/6 Women's Basketball Lost 23-72 Swarthmore  
 Saturday 1/6 Men's Swimming Lost 72-155 Pomona Pitzer  
 Saturday 1/6 Women's Swimming Lost 31-162 Pomona Pitzer  
 Tuesday 1/9 Women's Basketball Lost 33-57 La Sierra  
 Wednesday Jan. 10th  
 • Men's Basketball LOST to Occidental 59-71  
 Friday Jan. 12th  
 • Women's Basketball LOST to Pacific Christian 41-55  
 Saturday Jan. 13th  
 • Men's Basketball LOST to Whittier 37-70

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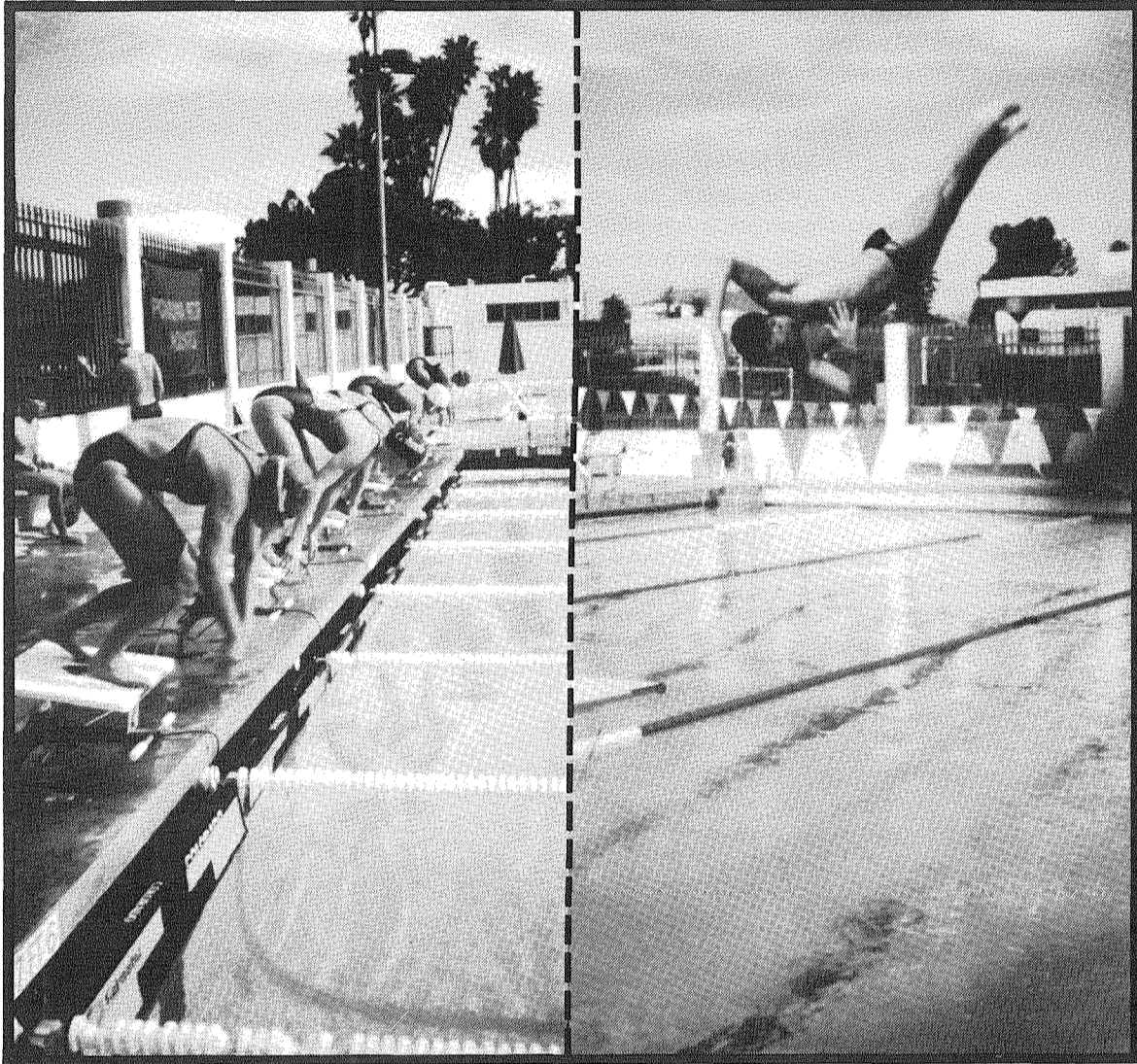
## Swimmers Battle Pomona and Pitzer

by Clint Dodd

Last Saturday the swim team hosted the men and women from Pomona Pitzer. The ladies of Pomona are historically one of the nation's top teams. The sunny day saw the Techers losing on both fronts from the opening events. Only Phil Rodriguez winning both diving events and Mike Greene touching out a Pomona swimmer (22.42, 22.52) were the highlights for the men.

Liz Callaghan had the closest of matches as she just missed first on the three meter diving (200.35 to 200.55) but came back to win the one meter board (202.95 to 200.20). Caltech did have some good individual performances. Doris Tsao and a sick Jen Holland had a good race in the 50 freestyle. Wes Tanaka swam a solid 100 yard fly with 1:02.07 and Sooketoo Bhuta low-

ered his time to 5:40.42 in the 500 yard freestyle placing second. First time divers Mike Fisher and James Honaker shined on the boards when Fisher upset the Pomona's diver on the one meter board to grab a second place (142.65 to 140.80). Final score for the men were Caltech 72, Pomona 155 and for the women, Caltech 31, Pomona 162.



## Men's Volleyball Club News

by Rich Chin

The Caltech Men's Volleyball Club opens its competitive season this Saturday at a Westside Tournament to be held at Fairfax High School. Hoping to surpass its 12-6 match record of last year, the team has been drilling hard through the off-season. This year, the squad elected last years star outside hitter Andreas Masuhr to coach, and he is doing a remarkable job in polishing the veterans skills as well as familiarizing the newer members with the teams style of play. Andy Berkin is the new Team President, contributing his administrative skills as well as his solid presence as an outside hitter. The team roster is dominated by a core of returning players, all of whom have started in at least some of last years matches. Setters Chad Edwards and Rich Chin are reveling in the improved passing and attacking options of the new squad. Middle-blockers Ken Wiberg, Stuart Demcak, and Gary Leskowitz are becoming ever more intimidating in their blocking, and the years worth of experience with the setters has allowed a greater diversity of attacking options from the middle. Opposite hitter Mark Lonergan has reduced his playing time, but when he is around, his presence is strongly felt by both the team and its opponents. Outside hitters Andy Berkin, Mike Burl, Andreas Masuhr, Jack Prater, Brendan McKenney, and Aaron Kiely have firmed up their passing and defensive skills, and, as always, are showing brilliance in killing the ball. The squad welcomed six new members this year, who have increased the depth in many of the positions. Steve Sears, Wengki Ching, and Joel Jones have adapted to the outside hitting position with great facility. Forrest Fisher is training with the middle hitters, and has already begun to show good blocking skills. As an opposite hitter, we now have Tyson Grant, who is natural for the position, being left-handed and able to blast the ball as hard as anyone on the team. Finally, there is Mike Machczynski, who's versatile skills have led him to see time in just about every position on court, though he is concentrating on the opposite and middle positions. With the large roster and great depth in every position, the team is looking into playing in several venues this year. Intercollegiate matches are being scheduled and USAV, Westside, and other league tournaments are being investigated. The club hopes to have an exciting, successful season, and looks forward to continue to bring highly competitive men's indoor volleyball to Caltech.



### A Message From the Sports Editor:

#### Sports at Caltech?!?

Yes. They exist. As a matter of fact about one fourth of the undergraduates at Caltech play an intercollegiate sport. A good many of them could even hold their own at other collegiate athletic programs. It's too much for you to believe you say? Well, you need not doubt any longer. Over the next term, in the new and improved sports section, you will read about the accomplishments of some of Caltech's finest intercollegiate athletes. There will also be articles written about all kinds of athletic events covering intercollegiate activity, club sports, GSC leagues, and Interhouse. You'll see lists of past week's results and upcoming events. Features on members of the athletic department will also flash across these pages. I have decided

that it's time that Caltech had a real sports section in its paper since so many members of the community participate in and support athletics here. However, I can't do it all alone. So send me articles about your last cycling race or your department's annual Frisbee golf tournament or any other athletic endeavor for that matter. The most precedent articles will be printed first. If you would like to see someone's athletic accomplishments acknowledged, send me that information as well. Email all articles to [angie@ugcs](mailto:angie@ugcs). Mail all pictures to Angie Bealko at MSC 392 or deliver them to the athletic office on the second floor of Braun Athletic Center. Please make sure I get all submissions by midnight on Tuesdays.

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Kayoko Watanabe  
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## STATS ON STAFF by Angie Bealko

This section will introduce you to various staff members of the Athletic Department. Anyone from coaches to building supervisors will be featured throughout the term. The first spotlight focuses on head athletic trainer Denise Gabaldon.

### Bones and Bruises

Often times the student athletes joke around that they spend more time in the training room than on the practice field. Head trainer Denise Gabaldon would tend to tell you that it's no joke. If you've ever strolled into the training room you've seen how many athletes she has to help heal and tape up every day. Denise has been at Caltech since 1992. Prior to that she was the head trainer at Mesa State College for a year and Cholla High School for two years. She received her B.S. from the University of Nebraska at Lincoln and her M.S. from the University of Arizona. Denise has been a NATA certified trainer since 1989. She is by far the most overworked staff member of the Athletic Department. Without Denise most of the athletes would fall apart. Besides working in the training room everyday from 1 p.m. until anywhere from 7 to 10 p.m., Denise also is on the Health Week Planning Committee, serves as one of the heads of the Athletic Counsel for Mentoring and Education, and is the Sports Information Director, and teaches several P.E. classes (including an excellent movement anatomy class, prevention and care of athletic injuries class, and introduction to Physical Fitness class). Taking one of her classes or stopping into the training room to meet her could be one of the most pleasant experiences you have at Caltech...just ask any of the athletes. Denise is extremely knowledgeable and will help put you on the road to recovery before you know it. The training room is open from 1 to 3 p.m. Monday through Friday to all staff, faculty and students. From 3 p.m. to 6 p.m. the facility is reserved for intercollegiate athletes only.

## Upcoming Events

by Angie Bealko

Saturday Jan. 20th

— Swimming vs. Redlands at HOME 11 a.m.

— Men's Basketball vs. Cal Lutheran at HOME 7:30 p.m.

Wednesday Jan. 24th

— Men's and Women's Tennis vs. Occidental at HOME 3 p.m.

— Men's Basketball vs. Claremont AWAY 7:30 p.m.

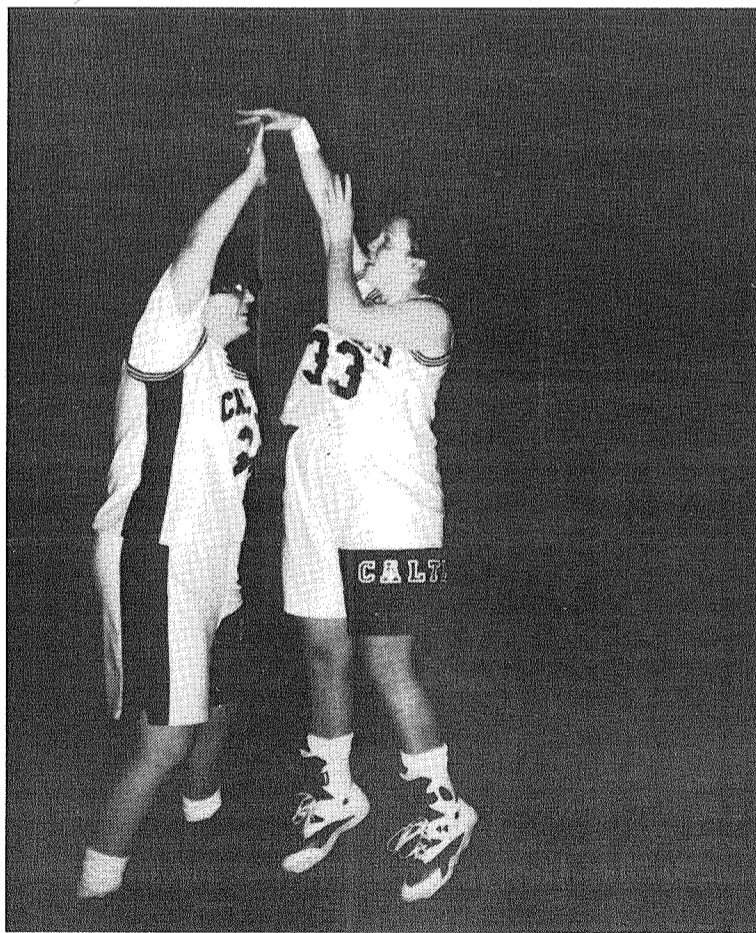
## Hoopsters Take On Pacific Christian

by Angie Bealko

Last Friday Caltech's women's basketball team met Pacific Christian for the last home game of the season. Despite having lost two previous season match-ups to the P.C. Royals by more than thirty points each time, the Beavers made an impressive final showing and fell by only fourteen. Before the game began, lone senior Angie Bealko was honored with a bouquet of flowers and some warm words from coach Roche. Caltech came out strong from the very beginning keeping the game very close for three fourths of the match-up. Sophomore Irene Wong stole several passes in the first few minutes giving the Royals a scare. Sophomores Michaelen Callahan and Lori Hsu did a phenomenal job putting pressure on the defense and controlling the offense at guard. Freshmen Rachel Steinberger and Kara Swedlow played tough at forward setting some excellent picks and pushing around opponents in the key. Sophomore Frances Siu earned herself the title of "Frances the Fierce Foulster" when she literally tackled and flattened an opponent. That one went down in the record books as the most flagrant foul in Tech history. Junior Melissa Hampton and Freshman Joanna Dodd provided a much needed offensive threat as baseline forwards, garnering several offensive rebounds. Hampton also earned herself four fouls

proving she can hold her own in the key. One of her fouls was actually a perfectly clean block stolen away by a referee. There was a moment when the crowd, booing and hissing, looked as if it would riot after that play. Bealko and Junior Ellis Meng controlled the top of the key for the Beavers on offense, each sinking twelve

points. Bealko went out in style for her last intercollegiate home game, fouling out with 4.1 seconds left in the game. The final score of 41-55 did nothing to discourage the lady hoopsters as they looked forward to meeting La Sierra for their final season match-up last night. The score for that game was not available at press time.



As we dance to the "Masochism Tango"

PHOTO BY ANGIE BEALKO

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**AFF ACTION**

CONTINUED FROM PAGE 3

automatically relegating her to maid status). We have politicians claiming that (black) ghetto mothers are stealing our (white voters) money by having babies on welfare. We have police beating on blacks and latinos (If the police are not racist, why then does one not see a white man being beating to death by the cops? As a note, I have an asian friend who goes to GeorgiaTech, and he fears for his safety when traveling by car down to school. If it's that bad for Asians, think of how much worse it is for Blacks).

Examining the premise that equality exists among minorities and majorities, it becomes obvious that the premise is indeed a weak one, if not an incorrect one. How so? Well for each negative or missing fact, the minority population loses a hero, and gains a white idol, leading the minorities of other colors to view themselves as inferior. Additionally a white society sensing this fuels the views by perpetuating them in action and in speech.

Let us now examine the premises involving affirmative action only, and not the state of the nation. Many of the arguments against affirmative action involve less capable minorities, "deleterious" effects, or appeals to reverse-racism. The argument that the majority population is being looked over for unqualified minorities does not hold water. If one were to take a look at the statistics produced by the U.S. Census Bureau, and specifically at the top students in all of the categories, there exists enough minorities of outstanding academic excellence. An example of enough is the following: Take students with a 1500+ SAT score, and in the top 5% of their school. The number of Asians and Latinos occupying those slots is essentially equal, yet for some reason we do not have people complaining about asians taking the slots of more qualified whites. The point of reverse-racism was nicely countered in last weeks reply. Practicing reverse-racism in a society which practices racism should equalize the negative effects of both, however ignoble they may be. So long as racism exists, affirmative action plays some role in neutralizing the effects.

In view of all the facts and criticisms of affirmative action, the debater must realize that affirmative action has not existed very long. Thirty years is nothing. Our generations parents grew up during the Civil Rights Era, during a time period when racism was rampant. How can we expect this problem to disappear when those reared under this hideous doctrine are still alive today? Although affirmative action may seem problematic to many today, the effects of removing it would be worse. However, instead of voting yah or nay for affirmative action, I feel we must discuss the issues involved and realize the future ramifications of any conclusion we make as a whole.

**LETTER: Keep Affirmative Action**

CONTINUED FROM PAGE 2

groups will be an important advantage in business, as in the Supreme Court (when President Clinton specifically said he wanted to choose a female for the vacant position) for the perspective that these people have. The multidimensionality that makes

American culture so rich can be exploited by using every available resource, every culture, to make our projects the best they can be.

Teaching America's children to treat each other equally, as stated in your editorial, is a wonderful solution to half of the problem of racial inequality in the United States. The other half, the

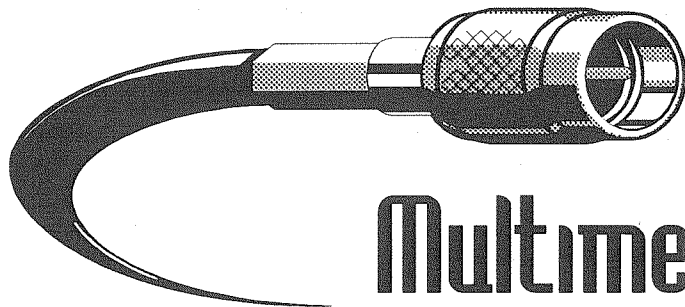
inequality that many minorities subconsciously internalize from the mannerisms of society, from their own parents' insecurity, and simply from the fact that they are not like most of the rest of the people they see every day, must be corrected in society and in their parents insecurity, so that they see real life examples of their

equality, and not just read about how equal they are in politically correct Dick and Jane books.

This absolute equality can be achieved through Affirmative Action, if only opponents can see the policy from another point of view.

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Announcements

Caltech **Guitar Classes** for the Winter quarter will meet on Tuesdays starting on January 9th in Room 1 of the Student Activities Center (SAC). Beginning classes will be held from 4:30 to 5:30pm, intermediate from 3 to 4pm, and advanced classes from 5:30 to 6:30pm. Classical and Flamenco repertoires are explored but techniques transfer to other styles of guitar. The Beginning Class includes a jazz/folk chord system. Classes are free to Caltech students and other members of the Caltech community (space permitting). Undergraduates can receive 3 units of credit if they choose. Private instruction on any level can also be arranged. The instructor, Classical Guitarist Darryl Denning has an international background in performance, teaching and recording and can be reached by phone at (213) 465-0881 or by e-mail at [ddenning@cco.caltech.edu](mailto:ddenning@cco.caltech.edu).

Events

Dr. Michael Roukes, associate professor at Caltech, will be giving a Watson Caltech Lecture entitled *The Hopes (Admired the Hype) of Nanotechnology* on January 24th at 8pm in the Beckman Auditorium.

The Caltech Jazz Bands will be holding **An Evening of Latin Jazz** with guest trum-



denotes either a new announcement or a communist country.

peter Bobby Rodriguez on Saturday, January 27th at the Beckman Auditorium at 8pm. Bobby Rodriguez has played trumpet with greats like Quincy Jones, Ray Brown, Willie Bobo, Chaka Kahn, Louie Bellson, and Pancho Sanchez.

Stockpile Stewardship and the Comprehensive Test Ban Treaty will be the subject of **Dr. Victor H. Reis'** Science, Ethics, and Public Policy seminar, to be held on this Wednesday, January 31st at noon at the Judy Library. Dr. Reis is the Assistant Secretary of Energy for Defense Programs, U.S. Department of Energy Defense Programs.

Dr. William Summers, Professor at the School of Medicine, Yale University, will be holding a Science, Ethics, and Public Policy Seminar entitled *The Prehistory of the Phage School: How Millikan, Mudd and Ellis Brought Bacteriophage to Caltech* on Thursday, February 1st, in the Judy Library at 4pm.

Omer Barov of the Department of History at Rutgers University will be giving a William Bennett Munro Memorial Seminar on *Industrial Killing: World War I, the Holocaust and Representation* at the Judy Library, first floor of Baxter, on February 8th at 4pm. Refreshments will be served.

The Dorian Wind Quintet will present a Coleman Chamber Music Concert on Sunday, January 21st, at the Beckman Auditorium at 3:30pm. The program includes Bach's Concerto after Vivaldi (arr. M. Reichtman); Mozart's Divertimento, K. 499b (flute, clarinet, bassoon); Schifrin's La Nouvelle Orleans; and Beethoven's

Quintet in E-flat Major, Op. 4 (arr. M. Reichtman). Admission starts at \$22.50.

A one day **blood drive** will held in the Winnett Student Lounge on Wednesday, January 31st, between 9:15am-2:30pm. To make an appointment, please contact Villa Zmuidzinas at x6001, although walk-ins are welcome and much appreciated.

From the Counseling Center

Looking for a safe and supportive place to discuss issues such as coming out, being out, dealing with family, coping with a homophobic culture, and being GLB at Caltech? Want somewhere just to make new friends? You are invited to the **Gay/Lesbian/Bisexual Support Group**, which meets on the first and third Tuesdays of each month from 7:30pm till 10:00pm in the Health Center lounge. This is a confidential meeting and attending does not imply anything about a person's sexual orientation—only that he or she is willing to be supportive in this setting. The group usually discusses a particular relevant topic and then moves on to the general discussion. Refreshments are served. If you would like more information, please call x8331.

Fellowships and Scholarships

From the Fellowships Advising and Resources Office, extension 2150, e-mail [lauren\\_stolper@starbase1.caltech.edu](mailto:lauren_stolper@starbase1.caltech.edu):

The Fellowships Advising Office will be holding a **Work Abroad Meeting** on Thursday, February 1st at 11am in Winnett Club Room 1. Lauren Stolper, Fellowships Advisor and Rosana Gatti, Assistant Director of Career Development, will discuss summer and short term paid work opportunities abroad as well as volunteer opportunities. Spending a summer or part of an academic year working or volunteering abroad can be a tremendously rewarding experience. Options for graduating seniors are also available. Even if you don't plan to go soon, come and find out what's available.

If any interested Juniors, Seniors and Grad students missed the December 1st **Rotary Scholarship** meeting, the application is currently available in the Fellowships Office. The deadline date for this application is **February 1st** for those applying through the Pasadena branch. A completed application and all supporting material including references and transcripts are due to Lauren Stolper in the Fellowships Office on that date. Students can also look into applying through the club in which their permanent residence is located.

Women who are U.S. citizens can apply for a **travel grant to Sweden** if they plan to study or research in Sweden. More information is available in the Fellowships Advising Office. Students can request an application from The American Women's Club in Sweden, Scholarship Foundation, P.O. Box 12054, S-102 22 Stockholm, Sweden. *Be sure to include a self addressed envelope with your application request.*

Summer language fellowships are available through the **University of Michigan's Japan Technology Program** to students interested in Engineering Science or Management from any U.S. institution. The fellowships are not for study in Japan, but fund study at the University of Michigan's Summer Intensive Japanese Language Program in Ann Arbor. Fellowships include tuition, fees, and a living stipend, but no travel costs.

Work as a volunteer in one or more of 23 countries this summer: Volunteers receive room and board and can work from 2 to 4 weeks on a project. More than one prect can be scheduled. Projects include tasks such as restoring a castle, organizing a festival, planting trees, building a playground or implementing a recreation program for children. This program is sponsored by the **Council on International Exchange (CIEE)**. It is a very popular program, and it is highly advisable to apply early. No language skills are needed with the exception of Spanish for Spain and conversational French for North Africa. There is a placement cost of \$195 for one 2-4 week project. Information brochures are available in the Fellowships Office or we would be happy to send you one via campus mail: e-mail your name, the fact that you want an International Volunteer Projects 1996 brochure and your mailcode to [lauren\\_stolper@starbase1.caltech.edu](mailto:lauren_stolper@starbase1.caltech.edu) A listing of last year's volunteer projects is available for review in the office. Note that special fellowships for minority students interested in this program are available through the CIEE.

Attention seniors interested in pursuing a Masters of Science degree in aeronautical, astronautical, or aerospace engineering: Student members of the American Institute of Aeronautics and Astronautics who are planning to attend graduate school next fall can apply for a one time **Francois-Xavier Bagnoud Fellowship**. The award will provide six students with full tuition up to \$20,000 plus an \$18,000 stipend for one year. The Fellowships Advising Office has applications; the deadline for this application is **February 1st, 1996**.

From the Deans' Office, 102 Parsons-Gates:

The **National Academy for Nuclear Training** awards scholarships to engineering undergraduates with outstanding academic achievement and interest in careers in the nuclear power industry. For the upcoming year, 200 college sophomores, juniors and seniors will be awarded scholarships of \$2,500 each. To be eligible, you must have 3.0 or better GPA and be majoring in one of the following: nuclear engineering, power generation health physics, mechanical, electrical or chemical engineering (with nuclear fission or power options). If interested, contact the Dean of Students Office, 102 Parsons-Gates. The deadline for applying is **February 1st, 1996**.

The **Morris K. Udall Scholarship and Excellence in National Environmental Policy Foundation** has created a scholarship program to attract students into careers in environmental public policy, health care, or tribal public policy. Scholarships are awarded on the basis of merit to students who are sophomores or juniors during the 1995-96 academic year and who have excellent academic records and demonstrated interest in and potential for careers in environmental public policy or are Native Americans or Alaska Natives who have excellent academic records and demonstrated interest in and potential for careers in health care or tribal public policy. The scholarship covers eligible expenses for tuition, fees, books, and room and board to a maximum of \$5,000 for one academic year.

From the Financial Aid Office, 515 S. Wilson, second floor:

The **Chinese-American Engineers and Scientists Association of Southern California (CESASC)** is offering scholarship awards for outstanding achievement. Approximately 10 awards will be made to undergraduate students for the 1995-96 academic year. The award consists of a certificate and a scholarship of at least \$400. Full-time undergraduate students with a minimum GPA of 3.5 are eligible to apply. Applications and all supporting documents are due **January 25, 1996**.

The **Korean American Scholarship Foundation, Western Region**, is offering scholarships of \$1,000 to \$2,000 for full-time undergraduate and graduate students of Korean heritage. Application forms are available upon written request from: KASF Western Region Office, P.O. Box 486, Pacific Palisades, CA 90272. The deadline to apply is **January 31, 1996**.

**GLAMOUR Magazine** announces its **1996 Top Ten College Women Competition**. Women who are currently full-time juniors are invited to submit applications to receive one of ten awards consisting of a cash prize of \$1,000, the opportunity to meet with top professionals in your field, and national recognition in **GLAMOUR's** October 1996 issue. Applications are available in the Financial Aid Office and must be completed and **postmarked no later than January 31, 1996**.

The **American Mensa Education & Research Foundation** announces its 1995-96 Scholarship Essay Contest. Applicants must submit an application/entry form and an essay of fewer than 550 words describing their academic or career goals. Applicants must be U.S. Citizens or permanent residents. Applications must be **postmarked on or before January 31, 1996**.

The **National Academy for Nuclear Training** will be awarding 100 new \$2,500 scholarships for the 1996-97 academic year. Applicants must be U.S. Citizens, sophomores, juniors, or seniors in 1996-97, enrolled full-time, with a minimum GPA of 3.0. Applicants must also be majoring in nuclear fission or electric power-related fields, and must be interested in a career in nuclear power. Applications must be **postmarked no later than February 1, 1996**.

The **College Women's Club of Pasadena** is accepting applications for scholarships for the 1996-97 academic year. The competition is open to both undergraduate and graduate students who are planning to enroll full-time for 1996-97. Women who are U.S. Citizens, who will be at least sophomores in 1996-97, and who have a minimum 3.0 GPA are eligible to apply. Applications are due at the **Financial Aid Office, 515 S. Wilson, on February 8, 1996**.

The **Association of State Dam Safety Officials, Inc.** announces its 1996 Dam Safety Scholarship Program. The scholarships are for a maximum of \$5,000. Eligible applicants must be juniors or seniors in 1996-97, must be U.S. Citizens, and must have cumulative GPAs of 3.0 and be recommended by their academic advisors. Applicants must also be in civil engineering programs or related fields, and must demonstrate an interest in pursuing careers in hydraulics, hydrology, or geotechnical disciplines. Applications and all supporting documents are due **February 15, 1996**.

The **American Society of Naval Engineers (ASNE)** is sponsoring a scholarship program to encourage college students to enter the field of naval engineering. The scholarship amount is \$2,000 for 1996-97. Applicants must be in their senior year of undergraduate studies, or be graduate students working toward a designated engineering or physical science degree. Both graduates and undergraduates must also be enrolled full-time, be U.S. Citizens, and must have demonstrated or expressed a genuine interest in a career in naval engineering. Applications and supporting documents are due **February 15, 1996**.

The **Thai Government** is offering scholarships to Thai students studying in the U.S., who are also under 30 years of age, and who are majoring in computer science (2 scholarships), economics (1 scholarship), and business administration (1 scholarship). Students must have no commitments to other scholarship donors, as they will be required to work for the Thai Revenue Department, Ministry of Finance for a period of time following graduation. Both undergraduate and graduate students are eligible. Applications and supporting documents are due by **February 29, 1996**.

The **American Association of University Women (AAUW)** will be awarding several scholarships of \$500-\$1,000 to female college students who will be juniors or seniors in 1996-97, and who have lived in the San Ramon Valley. Applicants will be evaluated on the basis of scholarship, achievement, educational goals, financial need, and campus or community involvement. For more information and an application package, send your request with a \$64 stamped, self-addressed large envelope (9 x 11 1/2) to: Charlette Orren, 248 Belaire Court, Danville, CA 94526. Applications must be **postmarked by Tuesday, April 2, 1996**.

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