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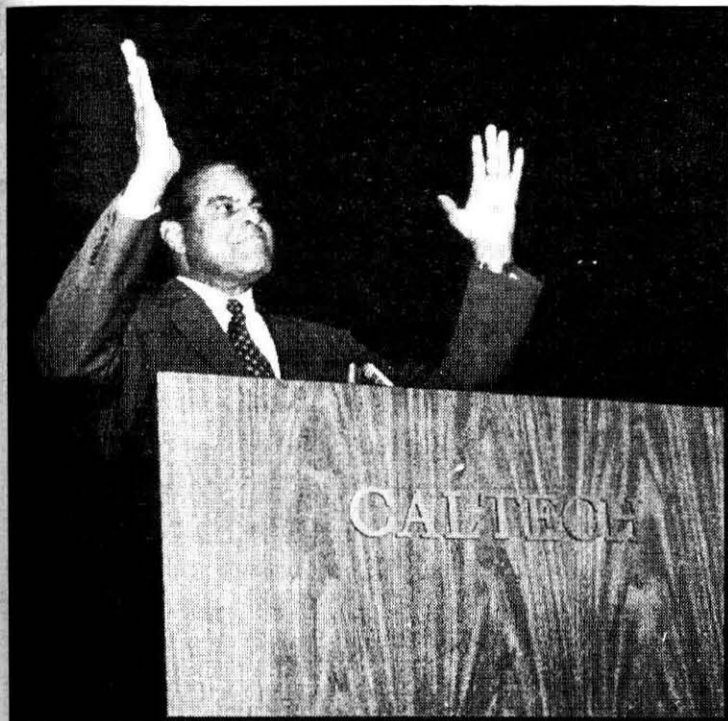
THE CALIFORNIA TECH

VOLUME XCIX, NUMBER 14

PASADENA, CALIFORNIA

FRIDAY, JANUARY 23, 1998

Conscious Social Leadership Remembered: Caltech Observes Martin Luther King Day



Tommy Hawkins looks back to a dark chapter in history as he speaks about Dr. King.

BY ERIK DILL

“Together we can make it.” In this lyric, the P.C.C. Multicultural Gospel choir distilled the life and message of the Rev. Dr. Martin Luther King Jr. The Caltech community and members of the public gathered in Ramo Auditorium on Monday

to join the nation in celebrating Dr. King’s achievements. In addition to music from the Pasadena City College choir, Tommy Hawkins, Vice President of Communications for the L.A. Dodgers, spoke about his experiences during the Civil Rights Movement and the continuing relevance of Dr. King’s ideas.

This year’s observance was particularly special, in that it falls close to the 40th anniversary of King’s visit to Caltech. In 1958, the Rev. Martin Luther King, accompanied by his wife Coretta Scott King, followed Richard Nixon as the second visitor in the Caltech-Y sponsored Leaders of America program. By this time, he had successfully led the Montgomery Bus Boycott and was gaining both national and international stature. Between February 25 and 27, King gave speeches in Dabney Hall and the Athenaeum, including an early version of his “I have a dream” speech, which was delivered in its more famous form at the foot of the Lincoln Memorial during the 1963 March on Washington. He was also the guest of honor at several dinners hosted by undergraduate houses and interacted widely with faculty, students and staff, leaving strong impressions.

While he did not parallel Dr. King’s stature in the Civil Rights Movement, the afternoon speaker, Tommy Hawkins, related his experiences combating

segregation on the most basic level. When he received a full scholarship to Notre Dame, he was one of only nine blacks in the university. While Rosa Parks was being arrested, he was a freshman in the less hostile, but certainly not more accepting Midwest. Hawkins credits the university and its president for exercising the “conscious moral leadership” that made his integration possible. Early on, the administration stated that any place he was not welcome, the entire University of Notre Dame was not welcome. He recalled taking a date to a local pizza parlor, where he was asked if he had a reservation. This was a poorly hidden excuse to bar him from the restaurant, and when he was denied entry, fellow students immediately left without paying their checks, and the establishment was made officially off limits for all students until Hawkins received a public apology, an apology which was eventually given. Similar scenarios occurred in restaurants, hotels, and movie theatres across the country; he was a member of the basketball team, and as they traveled on the road in pursuit of a national championship, they always found establishments where everyone was welcome.

Mr. Hawkins went on to discuss modern problems which have persisted after the gigantic achievements of the 50’s and 60’s. He expressed the need to provide greater support for the nation’s children, and attributes a great deal of social degradation to individuals’ lack of self respect. Young people exposed to racism and bigotry start out with a social deficit, which must be overcome through “family support, education, good feel-

ings of self, and education.” Clearly Hawkins feels that education is key, making the assertion that experience and education make an individual competitive with anyone. When asked after his speech to comment further on minority students pursuing college degrees, he stated that higher education was still not a level playing field, and that exceptional schools like Caltech must make a concerted effort to appeal to minorities, making it clear that the doors are open. Hawkins supports affirmative action, provided that ability remains the primary criterion, and said that athletics is currently the only area where performance based equality is realized. “It doesn’t matter what color they are. You give a kid what they need to succeed,” he said.

While the Civil Rights Movement is over in the eyes of historians, Hawkins expressed the need for responsible moral leadership to heal the wounds that remain. The celebration of Martin Luther King Jr.’s birthday remains a controversy as people are unwilling to look back on such a negative history. He was a great man because he was able to lead the oppressed into a higher dimension of human dignity, Hawkins said. At the end of his speech, Dr. Baltimore presented Hawkins with a model of the Sojourner probe as a token of Caltech. Perhaps it is more indicative of the distance we have come, and the distance we have yet to go. As Mr. Hawkins put it in the closing lines of his speech, Dr. King’s ultimate message was that “you give people what they need to be the best they can be, and you’ll have a better country.”

Student Quality of Life Report Released

BY MYFANWY CALLAHAN

The Committee on the Student Quality of Life has released its report to the Caltech community. Their findings are based on the responses to the Quality of Student Life survey distributed at the end of last year. The report will be made available to students through the Houses or libraries on campus.

President Everhart formed the Committee on the Student Quality of Life after a visiting NSF team produced an unfavorable report about the conditions for women and minorities at Caltech. Everhart’s goal was to “assess whether our students are able to live and learn in an environment of mutual dignity and respect ... regardless of their gender, culture, race, national origin, or individual differences.” To that end, a committee was formed to include faculty, staff, graduate and undergraduate students. A survey was produced and distributed to both undergraduates and graduate students asking a variety of questions about housing, academics, and social life. The results of this survey were encouraging in some ways, but also showed areas in which the quality of student life could be improved.

For undergraduates, the areas of concern for

the NSF team did not appear to be the seat of any problems. Statistically speaking, women and minorities were just as likely to live in the Houses as in Avery or off-campus. It appears that the accusation that Caltech was forcing women to live in the equivalent of male fraternities is unwarranted, or at least that the housing situation is enjoyed as much by women as by men. Another question asked about how comfortable the student is with his/her TA. Men and women responded similarly indicating that, although individual problems do exist, women are not disproportionately affected.

However, one of the questions returned disturbing results. When asked whether they had experienced “unwanted attention based on gender which has frightened them or caused them to change their behavior” on a scale from not at all to frequently, 31% of undergraduate women stated they had experienced such behavior more than somewhat. Although it can be expected that some percentage of women will have such an experience, the size of that fraction is very large. Only 16% of graduate women responded in the same way indicating that there are social problems still plaguing undergraduates.

SEE STUDENT LIFE REPORT, PAGE 2

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LETTERS TO THE EDITOR

Comments from Dr. Kim West

Dear Editors,
 Geoff Smith's article in last week's *Tech* raises some important issues that warrant further discussion. The student conduct system currently in place on our campus allows conduct issues to be adjudicated by a number of different groups and/or offices (e.g. BOC, Deans, Residence Life). While this may have its benefits, it does allow some situations to be addressed by only one person (e.g. the Dean of Undergraduate Students or the Director of Residence Life). In general, I do not believe campuses are best served by systems like this. My previous professional experiences have typically involved working with "conduct boards," not unlike the BOC, that are comprised of faculty, staff and students working together to maintain a set of standards for a campus community. I raised this idea with some of our students several years ago and was surprised that I did not receive a more favorable response. There seemed to be concern about creating a system that was duplicative of the BOC and some concern about peers adjudicating conduct issues that appear to fall outside of the Honor Code. Maybe it is time to revisit that issue.
 You also indicated that I "declined to contribute and refused interviews on the subject" of the pot. I think your

statement is misleading. When this incident first occurred, I spoke with three of you in my office about what had happened. Since it was a confidential conduct issue, I was limited in the details I could provide but did make a general statement about my concerns. When the issue of the "pot" came up, your first request for a comment from me came at 1:20 a.m. when a Tech reporter came to my home. I don't think it is necessary to explain why I did not give you a statement at that time. Your second request for a comment came in the form of an e-mail sent at the end of 1st term. I received that message after returning from a 10 day vacation and responded to you that I had just received it and that it was probably a moot point at that time, meaning that I had obviously missed your printing deadline. Your third and most recent request came last week. I indicated to you that Dean Revel had written a letter to the editors that I had read and commented on for him. In addition, I stated that I felt he had addressed all the important points that I would have and that I agreed with his letter thus it was not necessary to reiterate what has already been said.
 Kim D. West
 Director of Residence Life

In response to Dr. West's letter, the editors would like to raise the following points.

Our first request for information came late Thursday night, when we had just discovered the plan to remove the pot during Winter Break. As our publication deadline did not permit us to wait until Friday morning to ask questions, and it was the last edition of the term, we thought it best to attempt to cover the issue in the limited time we had, as it is of great concern to the undergraduates.

As Dr. West noted, we attempted to contact her many times to get her comments on the Pot. (We count at least six tries.) However, Dr. West failed to note that after she e-mailed us that she thought the issue was a moot point, we replied that we did not agree, and again requested her comments. As we replied on December 20, three days after her e-mail, there should have been plenty of time to craft a reply for the January 9 edition. When we returned from break, we again asked for an interview about the status of the Pot, and were turned down.

Dr. West may have agreed with the Dean's comments, but there is a large difference between reviewing someone else's article and going on record yourself. We may not agree with the Dean, but at least he had the courage to put his opinions and the reasons behind them in print.

We find it disturbing that Dr. West, who was hired as a liaison between the students and the administration, was unwilling to go on the record about the incident, either by writing her own opinion or by talking with the undergraduates through the *Tech*.

The *Tech* firmly stands by its original statement.

Student Life Report

FROM PAGE 1

Graduate students had a number of concerns. Most were unsatisfied with Caltech's housing opportunities. Also, the variation in wages from department to department caused some friction. Like the undergraduates, they complained about a lack of social opportunities.

By far the most worrisome aspect of graduate student life was a perceived deterioration in the student-advisor relationship. Many graduate students felt trapped if they had problems with their advisor, and felt there was nowhere to turn for help. The advisor-graduate student relationship is vital to a graduate student's future career and professional life. Students complained that what was demanded of them varied tremendously from advisor to advisor, and hope to see a list of guidelines for students and their advisors in the future.

Although, some of the NSF's concerns were allayed, other problems surfaced from the results of the Quality of Student Life Survey. Women and minorities may not be experiencing discrimination as such, but there are still situations that may make them feel uncomfortable in the current student setting. Suggestions for improvement have been made to President Baltimore, faculty and staff.

Copies of the report will be made available soon. However, if undergraduates have further questions about the report, feel free to ask committee members Kohl Gill (kohl@cco) or Myfanwy Callahan (myfanwy@ugcs).

Please send submissions for letters to the editor to

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 Pasadena, CA 91125

or by electronic mail to

editors@tech.caltech.edu.

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The editors reserve the right to edit or refuse to print any letter for any reason.

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Foaming at the Mouth

by Mason Porter

In some math and physics courses, one learns that our universe is a "4 dimensional Lorenzian manifold." We are taught various "laws" of behavior for our universe, but I have never encountered a course that discusses the mathematical consequences of our universe's structure if such "laws" are broken.

So-called "un-physical" behavior should correspond to an added dimension in our universe's structure. For example, conservation of mass/energy (considering them as the same quantity) cannot be violated (as far as we know). If it were violated, our universe would have to have at least a fifth dimension! In particular, the character that Eddie Murphy played in The Nutty Professor must (tongue-in-cheek) be at least 5-dimensional!

Humans view the world in three dimensions, even though we know there are at least four. (We cannot tell if there are more than four without observing some unphysical behavior because—regardless of what space our universe actually is—the 4-dimensional projection of it that we witness would be the same.) One looks at an object and decides that it is 3-dimensional. However, it is at least four dimen-

sional, because it would otherwise exist for only an instant in time. Nevertheless, unless the so-called laws of our universe are violated, we cannot recognize a better lower bound of its dimensionality.

Though scientists model the universe in which we live as a certain mathematical structure, there is no way to tell—a priori—whether what we observe is actually a projection of something more complicated. "Unphysical behavior" would imply that our model is somehow wrong. However, it is possible to think of the alterations to the model mathematically rather than physically, although it is ideal to consider it using both ways of thinking. (Part of the point is that it is possible to derive a lot of physics without really understanding it just as is the case with mathematics.)

I would like to receive feedback concerning the contents both of this feature and the installment that appears in this issue. Most of the content of this particular article is not entirely serious, and I have not verified my assertions rigorously. All mail I receive should be written in light of the above statement. That caveat aside, if you have any comments or constructive criticism, please e-mail mason@ugs. I will address some of comments in future articles.

The Outside World

by Myfanwy Callahan and Kati Isaacs

HAVANA, CUBA — Pope John Paul II arrived in Cuba Wednesday in his first visit to that country. Tens of thousands of Cubans came to see him as he arrived. Though expression of religion is discouraged in Cuba which has been under communist rule for 39 years, many people carried posters of a religious nature to proclaim their faith.

BAGHDAD, IRAQ — President Saddam Hussein has barred all military inspections or even discussion of sensitive military sites until April of this year. In response, President Clinton stated, "I far prefer the United Nations.... But if they really believe that there are no circumstances under which we would act alone, they are sadly mistaken."

DUBLIN, IRELAND — The Irish Republican Army announced that there is a crisis in the peace talks in Northern Ireland. In the last month six Catholics and two Protestants have been killed near Belfast. Peace talks are scheduled to move to London next week.

LAGOS, NIGERIA — Over 60 people have been arrested in the last month and charged

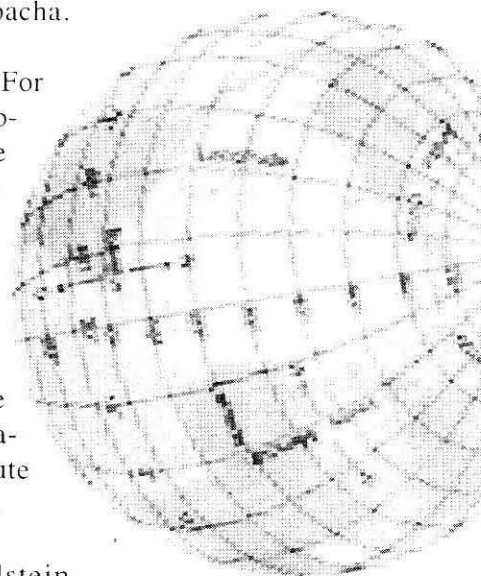
with plotting to overthrow the country's military leader, Gen. Sani Abacha. These include the deputy head of state and two Generals from Abacha's Cabinet. Critics say the coup was invented as an excuse to remove possible challengers to Gen. Abacha.

HARARE, ZIMBABWE — For two days, riots have broken out over a steep rise in the price of basic foodstuffs. Prices rose after Zimbabwe's currency fell 70% with respect to the dollar last year. In an emergency session, the government of Zimbabwe decided to institute price controls on food.

BOSTON — Two Holstein calves were born in a new cloning experiment based on a variation of the procedure which produced Dolly the sheep. University of Massachusetts scientists Dr. James Robl and Dr. Steven Stice simplified the technique and envision cloning technology soon becoming a commercial enterprise for pharmaceutical companies.

SACRAMENTO — Theodore Kaczynski admitted he was the Unabomber on Thursday

January 22nd. Kaczynski pleaded guilty in a deal with the government. He will spend the rest of his life in prison, avoiding death by lethal injection. Kaczynski was judged by a prison psychiatrist



to be paranoid schizophrenic and did not want to be portrayed in court as a madman.

AUCKLAND, NEW ZEALAND — Officials announced the discovery of southern right whales, previously believed to be extinct. These whales were found in the Southern Ocean whale sanctuary, 200 miles south of New Zealand. Scientist estimate the newfound group to be about 150 in number.

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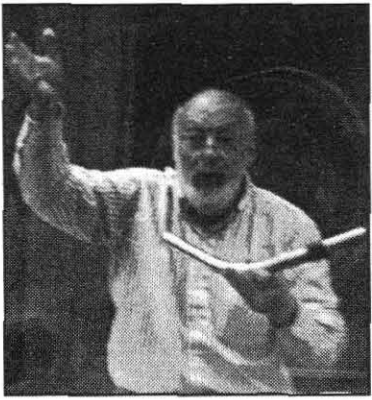
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Dean's Corner

Add Day

by Jean-Paul Revel

So here we are... today is Add Day, already 3 weeks into the term, and into the New Year, 3 weeks in which to implement all these resolutions. You have not forgotten already have you, the promises that you made to yourself in a fog of golden bubbles and a haze of hard pounding heart under the mistletoe? Please tell me you have not.

For me Add Day means oodles of yellow cards signed for absentee advisors. It also means many petitions coming to me, petitions to overload mostly. Although a priori I find it hard to approve of anyone signing up for a 60 hour work week, (see last weeks Dean's Corner) I scrutinize each application and try to discern its merits.

By and large there are two categories of petitions. A few come from upper

class- women and men who know the ropes, have a long and persistently excellent record, and a limited time to finish all they want or need to do. I have very little trouble on their account. How can I argue with someone who has a 4.28 GPA? Overloading may never be the the smartest thing to do for the reasons I'll come to later, but students with a near perfect record can obviously handle whatever the fabled firehose will deliver.

The other set of petitions comes from eager Frosh. Frosh wanting more than the 51 units the catalog limits them to. Very often these requests are very hard to decide on and I am really torn. On the one hand they could come from brilliant students, who, looking at the catalog, find all kinds of courses they would like to take. It is hard to reign in these enthusiasms. I remember only too well

wanting to do the same. Even now I look at the catalog and see myself taking this or that course, dreaming of a new career as an astrophysicist, or materials science, tempted by the ethical problems presented ever more frequently by science.

I look at the images brought back from Mars and yearn to interpret them, I dream of landscapes and views that I could render poignant and meaningful to many, trying to show them what I see, sharing my perception and the feelings they provoke in me. Like you, (I hope you do), I dream of so many things I'd like to do understand, to explore.

So it is hard to turn any one down who wants to do the same, yet it is my responsibility when I feel it is necessary, as a dean, i.e. adviser, teacher, role model, friend, and authority all wrapped in one. It is hard at this point

to distinguish those who can really do it, from those whose P in the first term is just that, an honest but undistinguished humdrum Pass, a Pass that is just not a Fail. What makes life easier for me is the knowledge that although I might disappoint some and even dull the edge of their enthusiasm, I am doing the right thing by them. I know, I know, believing oneself right does not mean that one is right, but the buck must stop somewhere.

time there is for any one course. That's not a very profound observation except that early in your career here is the time to consolidate your understanding of the basics. It isn't the time to take lots of courses, or as used to be the case to take many courses P/F, which one was too insecure to take on grades. This is the time to get things straight, to remedy any of the deficiencies you might have, to prepare yourself for what is coming in the

next few years. It is the time to adjust to Caltech, find the friends and companions for the rest of your stay, explore the environs, prepare yourself for the future. It is a time to make sure that you know the ropes, those that can trip you up and those that can save you, both.

You see, doing poorly in the second term often carries consequences which extend further on. It may mean your first Es, heaven forbid, Es that you'll have to remedy before the next Add Day, thus taking away time from the courses next term, and reducing your chances of doing well. It is difficult to climb out of that spiral. So I'll do my best to keep you out of this to give you your best shot at doing well... good luck all, keep at it, and a beantoe

J.P. Revel

... Woodstock with the scarf flapping behind him, the one with the Sopwith Camel ...

I have seen too many such people start on a downward spiral which it is difficult to come out of. Its very much like the aerial acrobats who push their planes to the limit, with a double barreled Immelman or whatever those maneuvers are called and can't recover in time to avoid crashing. Ah shades of Woodstock! the Woodstock with the scarf flapping behind him, the one with the Sopwith Camel, not the other one, the cow pasture turned concert hall and shrine to a generation past.

What's to be worried about is that the more courses one takes, the less

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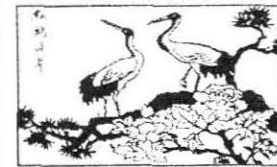
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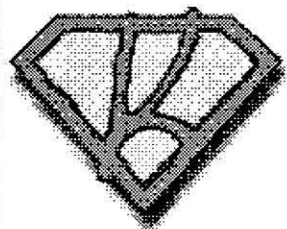
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A Message from Kohl Gill

by Kohl Gill

Hi. In case you've forgotten, if you're a Caltech undergraduate, you are, by default, a member of the Associated Students of the California Institute of Technology (ASCIT), Inc. (You'd be surprised how many students don't know that.) Which means you pay \$20 per term to the non-profit corporation as dues and you are entitled to services provided and, of course, representation.

That's where the ASCIT Board of Directors (BoD, as opposed to the BoC) comes in. You may have seen us (or some subset thereof) eating dinner in your house last term. We make the decisions and do (some) of the grunt work that makes ASCIT the veritable beehive of productivity it is. I'm the chair of that committee. My name is Kohl. I carry a badge(r).

The Point: I ask that you take a few minutes out of this day, the third glorious Friday of the term, to skim and take note of the goings on of the BoD (and, if you are so moved, to send us some feedback: ascit@cco). We meet at 22:15 on Monday nights in SAC 64 (beside the laundry room). Be there or be square.

Publications: One of the BoD's major tasks is the managing of ASCIT's many publications. (They can't be in too bad a shape; you're reading one now!) They are: *the California Tech*, the *Big T*, the *little t*, the *Totem*, the *CLUE*, and the *UROH*.

The Tech: Is in pretty good shape. They're getting lots of advertising (Go Mic!) but they need people to write. The editors tell me that you can get all kinds of bonuses for writing for them, including actual payment (if you're willing to wait for payroll) and (not-necessarily-sexual) favors!

The elections for the Tech editing team will be this term (nominations at the end of this month). Fame, Fortune, Romance — edit the Tech! The (new) BoD will appoint the Business Manager shortly after general elections. Earn thousands of dollars, literally; manage the Tech!

The Big T: Is late. Sorry 'bout that. The entire editing team has resigned, and the interim team has just completed the yearbook (Go Wren!), so it should get to you by early 3rd term at the latest (only 2 terms late!). At the BoD meeting on the 12th, we discussed the *Big T* in detail. Since the '98-'99

team was just the '97-'98 team re-appointed, we'll be appointing a new '98-'99 editing team very shortly. Good luck to all those who signed up!

The next BoD will appoint the '99-'00 *Big T* Editors and Business Manager. You can also make lots of money with either of these jobs. Try it. You'll like it.

The little t: Also did fine, don't you think? I really like the theme. The next BoD will be appointing next year's team shortly, so sign up.

The Totem: Is nonexistent. Oops. The original editing team here, too, dwindled away; it's now being handled by one of next year's editors (Go Shep!), and the plan is to put out a two-year double-stuffed edition.

The CLUE: Is also late. D'oh! Let that be a lesson to the next Director of Academic Affairs: Don't Flake!

The UROH: Is almost done, and on time. Staples screwed up on the copying. A few copies have gone out to the houses, but the real versions (with nifty covers) won't be out for a while.

So, collectively we're battling 500. Ouch. This brings up an interesting point: wouldn't it be great if there were one head of ASCIT's publications, someone with the authority of the BoD, but the publications knowledge to actually keep things on track? In fact, such a Director of Publications position has been proposed and will be pursued, either by this BoD or the next very soon (hopefully at least before the '99 elections!).

Representation: Much of our time is spent assessing the concerns of students, and trying to resolve those concerns with the Faculty and Administration at this fine Institution. Nothing has really embodied that goal better than the Student/Faculty Conference of 3rd term. True, the three committees (Quality of Student Life, Honor System, Undergraduate Purpose) haven't completed their reports as yet, but they are still working on them. I'm sure that, once completed and distributed, they will have a definite impact on the current concerns, thanks to the great input the entire community, students, faculty, and staff, provided.

Speaking of Quality of Student Life, another committee was formed (by President Everhart) last year and, after extensive surveys, focus groups and data analysis, produced a report detailing the concerns of both graduates and undergraduates at Caltech. That report has been released

by President Baltimore -- all undergraduates should be receiving a summary, and copies of the full reports will be going to the Houses and to ASCIT. If you want a peek, let me know (kohl@cco). An interesting result: undergrads ranked the House System as one of the best and worst aspects of Caltech!

And of course the Core is still being reviewed and revised. It's about time for the Institute to review Frosh on P/F, so we'll be ready for it. The Academic Director is all over that.

Most recently, the BoD met with new VP for Student Affairs, Chris Brennan, and the discussion was very productive. Look for minutes from that meeting next week.

Every now and then, we need to find undergraduates to represent us on various committees, or need warm, active bodies to fill various positions (Big T Editor, for example). This year I've started initiating a new measure to gather souls: the President's List. It consists of a list of (pretty much) every interested student in our community -- most of them are gleaned from the IHC Faculty Committee sign-ups. **Hey Frosh:** You guys aren't on this list ('cause you weren't around third term). If you're interested in representing working for the student body, get in touch. To get on or off the list, mail me (kohl@cco).

The BoD can only address the concerns of which we know. If you think something is wrong about Caltech, or see something else we should be doing, let us know by e-mail (ascit@cco)!

Services: Some of the biggest advances ASCIT is making is in the realm of services. True, the ASCIT Van is unavailable for use, but we're investigating replacements (ASCIT Monster Truck? ASCIT Old Russian Submarine?), and, Student Affairs now has their van available. (It's really easy to test for it, and you get to hang out with Athena!)

But besides the van, we're in pretty good shape. The ASCIT Copier is up and running, soon to have swipe-card access. We've acquired a set of ASCIT Party Lights so folks won't have to rent them all the time. Ideas of an ASCIT Fax and ASCIT Typewriter (especially for seniors doing applications!) have been tossed around. We're also working with the Process Engineering folks to get better Telephone Services (Automatic CallBack, etc.), and more.

We're also trying to move more of our services to the web. There is already a Social Calendar, to which our Social Director has access (adrienne@cco), on the web, and hopefully we can get a Web-Based Bookmark up by the end of the year (or maybe over the summer). We want to further automate the CLUE and the UROH, as well as all of our surveying capacities.

We're thinking of hiring someone to write a lot of the necessary programs for us (if you're interested, we can't pay a whole lot, but it's really fulfilling, honest!), since programming isn't one of our competencies, either (see Publications).

Of course, all of these services demand your continued support: either by checking the UROH for research stuff, checking the Social Calendar and telling the Social Director your party schedules, putting your used books up for sale and buying them from the market, reading and writing CLUE reviews, or participating in surveys. It all hinges on you. Thanks ahead of time.

Money: Another one of ASCIT's major jobs is the collection and distribution of funds. You each pay \$20 a term, so you should probably pay attention, as well. You will be receiving a survey very shortly, showing you last year's ASCIT budget, and asking you what you would change and how. Please take the time to fill it out (on paper, or via the web), as that is a major help in our determination of just what you think ASCIT's job actually is.

Bookkeeping: Because the finances of the Tech, the Big T, and ASCIT (proper) are really too big of a job for any one office (including the Treasurer), we have hired a Bookkeeper for all of ASCIT.

We at the BoD are realizing, slowly but surely, where our competencies lie. They do not lie in the aspects of Publications, or Programming. Neither do they lie in the intricacies of Finances. Currently, we are approaching several alumni groups and a non-profit-assisting consulting organization for help. We hope to develop a long-lasting advising partnership for ASCIT. Such a partnership would insure, among other things, that we are managing our finances efficiently, fulfilling our obligations as a non-profit corporation, and taking full advantage of our non-profit status.

Which brings us to a major point: ASCIT's coffers are low. One of the things we want the survey to assess is how the corporation wants us to spend

our limited resources, and whether you think the resources themselves should be increased. To a great extent, this means a dues increase. ASCIT dues haven't been adjusted since 1984 - which means we are currently working with roughly half the real income we had then. According to the bylaws, we were supposed to adjust them for inflation every year, but we haven't done so, either by defeating such changes, or by failing to propose such ill-fated measures.

What does an adjustment mean? Well any change of dues requires a bylaw change, which means that a 2/3 majority must vote in favor of it. I propose, pending the results of the Budget Survey, that we adjust the dues for inflation since 1984.

I ask all of you to think seriously about what benefits you currently receive from ASCIT, and what more you'd like to see us do. We are trying our hardest to provide you with the publications, representation, and services you want from a campus-wide student government. We are, however, limited by our resources.

The BoD Itself: A startling statistic: fully 1/3 of the Board of Directors has turned over this year (VP/BoC Chair, IHC Chair, and ASCIT Secretary). That's a pretty high attrition rate, don't you think? Have you hugged your BoD today?

These are fulfilling jobs, but they're hard, too. Which makes me all the more pleased that we have more competition this year (at least for ASCIT President) than the past two years. Good luck to all the candidates.

None of the BoD gets paid for the job it does (the Academic and Frosh Directors used to be paid for putting together the *CLUE* and *UROH*, respectively). We are constantly trying to find ways to make our jobs manageable with Tech schedules. We are also working on "how-to" guides for our successors, to insure a little continuity and information retention.

Well, that's about it. Look for stuff I missed in the following weeks' minutes. Thanks for listening. In case I forget to say so before the next guy takes over, it has been a real pleasure serving all of you as President.

Kohl Gill
x6757
kohl@cco

✓ ASCIT Election 1998 ✓

ASCIT PRESIDENT

Brigitte Roth

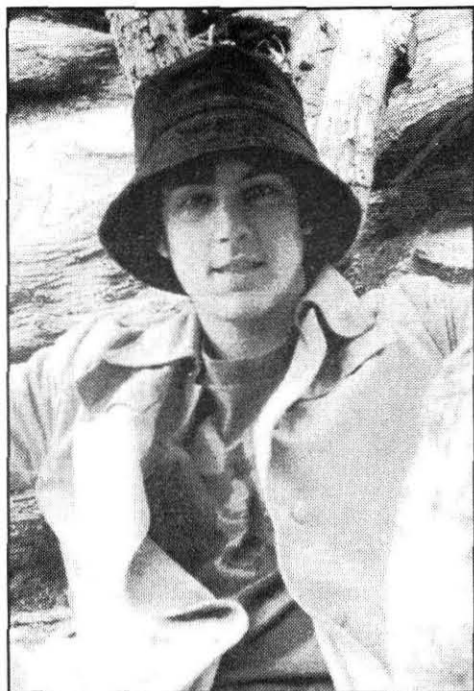
Hey, there... I am Brigitte Roth, and I would love to lead you to glory as ASCIT President!

I am fully aware of the fact that ASCIT is not very important to most Techers. Rather, it tends to sit in the background as long as all is running smoothly. If there are problems (such as: where is my Big T??), then there will be concern. This is why one of the most important functions of the ASCIT President is to make certain that day-to-day projects keep running smoothly so that you all don't have to worry about it or pay attention.

Another major responsibility of the Prez is commonly referred to as "schmoozing." In seeking student representatives, a likely choice is the ASCIT President. Making undergrads look good is important, when dealing with people who might affect our lives.

In addition to keeping the ASCIT machine going and working up our image, the President should be innovative and imaginative, always coming up with better ways to do things.

You probably already knew all that. Now it is important that you know why I am the right person for this job.



FILE PHOTO

Since I have been at Caltech, I have been both a BoC Rep at Large and the BoC secretary, served on the Admissions Committee, and started an ASCIT club. Before Caltech, I chaired a youth organization in Southern California and organized a week-long camp and a weekend conference. I am experienced at running meetings efficiently and organizing activities. I have found myself in all sorts of political situations and dealt with all sorts of crises. I already know (and like) many of the Caltech administrators with whom I may be "schmoozing" in the future.

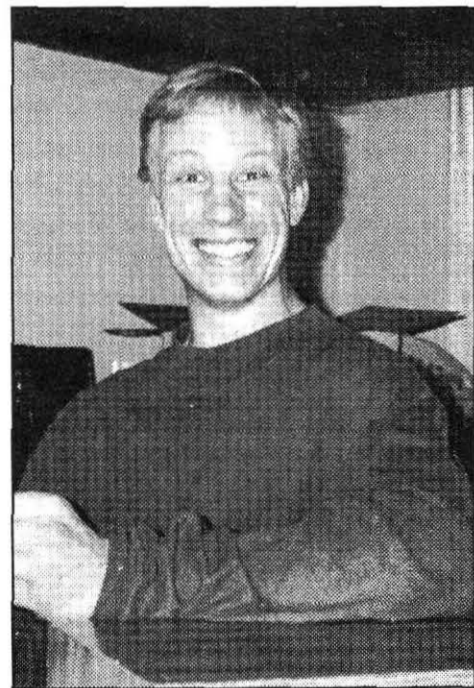
I feel completely confident that I am more than capable of being the ASCIT President. I think it'd be fun, too.

Brett Tolman

Hi, I'm Brett Tolman and I'm running for ASCIT President. I think there are a lot of important things going on around campus these days, and I want to take an active role in them. The most recent and one of the most important is the quality of student life report. There are important issues discussed in the report, among them are bringing more women and minorities to Caltech, and encouraging more interaction among the houses. I hope to use my skills as an organized leader to help change these and other issues at Caltech.

Until now I have been very involved in Page House, first as the social chair and currently as the President. As Vice-President (social chair), I was very effective in getting a very large portion of the house (and other social members and friends) involved in many different activities. As President I have taken a role in all aspects of my house's many adventures.

I look forward to working for all of Caltech's students. I plan to talk to as many students as I can, to find out their concerns about this school, and to find ways to improve any of our problems. I also hope to promote Caltech as much as possible, and to insure that Caltech under-



FILE PHOTO

graduates continue to be known as some of the smartest in the country.

I also challenge every one of you to do a little more, not just in your studies, but to get involved in something. I have been very impressed with the different opportunities that Caltech offers. WE CAN DO ANYTHING! But too many of us are content to worry about nothing but our next hw set, or about the grad schools we're applying to. Do something good for yourself. Run for a house office. Do things for the Y. Get a job. Do something good for someone else. That is what I love to do. So I would like to be ASCIT President. Thank you.

Baldeep

You're probably wondering why I'm running for President. I'll be honest—my motives are purely selfish. I'm in it for all the perks that an ASCIT President gets. The corporate jet, the Mercedes stretch limos, the armed bodyguards and the codes to launch nuclear weapons pointed at rival tech schools all over the world. Besides, nothing beats the smell of fresh donuts at 8 a.m., Friday morning.

I was also thinking "Hey, maybe I could do something while I'm in office too!" I mean, heck, being at Tech, all I do all day is watch the grass grow.

Since I served on the previous board of directors as Freshman Director-at-Large (and Acting Secretary for a period of time) I have an idea of how ASCIT does its business. I also know the trouble spots that the Board of Directors is likely to run into again, and what we have done successfully. Experience is important to maintaining some continuity in the transition between the new board and the old.

At this point you're thinking "Okay, great. This guy wants to do something. Yeehaw." I figure that about now I'm sounding full of hot air. "Give me some specifics," you say. Alrighty. Here come two ideas.

One thing I see as a high priority is making the government more integrated. Basically, I'd like to make the Board of Directors more responsible and more actively involved in everything that ASCIT is responsible for. This ranges from publications all the way to the power amplifier that ASCIT owns. A more



FILE PHOTO

tightly integrated student government is what will do its tasks efficiently, and make sure they get done.

Another priority of mine is to directly involve students in making policy that affects them. Eventually, what I'd like to see ("I have a dream") is a formal channel of communication between the administration and the students which will form policy where appropriate. Communicating exactly what both parties feel can prevent any administration vs. students divisions.

Hopefully my rhetoric hasn't caused you any abdominal spasms or other discomfort. If you're not nauseated, think back to my election statement Freshman year (those of you that were here). In it I made the promise that if I liked my first taste of student government, I'd love to serve again. Here I am, and if I meet with your approval, I'd love to serve again.

ASCIT VICE PRESIDENT/BOC CHAIR

Alex Ihler

Well, I'm running for BoC Chair again; I've been Chair of the Board for the past term or so, before which I was the Secretary, and before that a House representative... As I am a senior, and intend to graduate, I would be unable to serve the entire term of office, but am willing to continue until sometime early 3rd term, at which point I would need to resign (the day before Ditch Day, of course). Although more elections are of course not ideal, I think there will be more possibilities available at that point, both from the current Board (which will have a break) and from the incoming Board (which will by then have experience). I've enjoyed the job, and think that I've done it well; I have



quite a bit of experience with it by now, and I'm happy to do it for a while still. I would like to continue; I ask you to give me that chance.

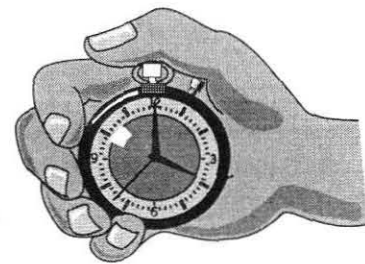
A.S.C.I.T. Minutes

MAY 20, 1996

There is a LOT of discussion on this issue. Several different viewpoints are voiced (specifically by Ge244 and Baldeep). The BoD decides that it is best to go to our respective corners and come out fighting next week.

UASH and the admissions committee this Thursday. Ph106, Ge244, and Kohl are invited to attend. I feel some beer coming on. Also, the House System will be liquidated on Friday with the proceeds going to coke fueled IHC nitrous craziness in Tijuana.

Excomm Minutes



NOW IN TWO PARTS!

Issue: Lori has resigned as IHC chair, and the ExComm has to meet to appoint someone for the interim.

should take over when the Chair is unavailable. She has also heard that Geoff might run for IHC chair, and she doesn't want to bias any future election.

Part I (Monday, January 12) Present: Myfanwy Callahan (chair), Brandon VandeBrake (secretary), Michelle Miller, Joe Carroll

Wren interrupts, again extending the meeting.

opens at 8:03 pm

We decide that it would be most consistent with the by-laws to ask Judy Green if she wants the job. We recess at 8:10 pm.

We consider a few possibilities for the job, Jonathan Little and Geoff Smith, for instance. None of us have talked to the IHC, so were not really sure what they want. Michelle doesn't really like the idea of giving a House President the job. We decide to take care of some smaller details first. Since elections are coming up in a few weeks anyway, were not going to hold another election, even though the bylaws say were supposed to have one immediately. Everyone agrees that would be silly.

Part II (Wednesday, January 14) Present: Kohl Gill, Myfanwy, Brandon, Joe, Steve VanHooser

Meeting reopens at 10:10 pm.

Mike Astle rudely interrupts, seriously lengthening the meeting.

So it turns out that Geoff was only planning to run if we had an interim election, just for consistency. Judy is perfectly happy remaining Secretary and letting Geoff act as chair, and Jon Little didn't want the job after all. There is in fact precedent for a House President taking over after the resignation of an IHC chair, and it shouldn't really matter to us anyway, since the IHC is a separate entity from ASCIT. So there really isn't any reason not to appoint Geoff, and we do 5-0.

We also decide that it would be better to choose someone already on the IHC, since what were really talking about is a liaison between the IHC and the BOD. Myfanwy points out that the IHC rules state that the IHC Secretary

Meeting adjourned, 10:12 pm. submitted, Brandon VandeBrake

WRITE FOR THE TECH

Present (at some point): BoD (minus Alex, Adrienne, and Kiran).

Geoff Smith (of Ricketts fame) has been appointed IHC Chair by the Excomm.

Meeting called to order at 22:48.

(This week Mike W. = Ph106 and Mike A. = Ge244.)

General Business Brennen - The BoD is lunching on Thursday with the brand spanking new VP for Student Affairs.

Survey - The report from the committee compiling that student life survey from last year is available. Copies will be made available in every house. Contact ASCIT (ascit@cco) if you would like to receive your very own edition. Each copy is handmade by Master Craftsmen of the Franklin Mint and are expected to increase significantly in value. Collectors everywhere shouldn't be without this memorable report.

Officer Guides - Kill 'em all. Let God sort 'em out. "They look so nice in leather."

Bylaws - There are a bunch of changes that need to be made in order to bring the bylaws in line with current practice. Proposals need to be ready by the Big Ass ASCIT Election next month.

Publication Manager - The BoD has been gently fondling the idea of creating a new board position responsible for interacting with publications.

Big T - The nominees for editor are coming in next week to be interviewed. John moves that the BoD decide to appoint only one editor who is completely responsible for the publication of the Big T. Ge244 seconds and the vote carries 2-0-2.

Officer Reports Baldeep - There were some problems getting the UROH copied. We got about 50 free copies without covers. Their naked bodies glisten softly in the sun. Some of the extras will be distributed and others will be donated to the book burning this Friday in Ricketts courtyard. New (complete) editions will be produced lickity split. The UROH will also be made available on the web (alt.sex.stories.moderated).

Adrienne - (Channeled through the new ASCIT supercomputer.) Out there getting party lights and planning installations. Cocktails, anyone?

Ph106 - Midterm course examinations will be available soon. The results of these surveys will be filtered through the ombudsmen (or the deans) and returned to the professors. Hopefully, this information will give profs a good measure of how their classes are going (before they are over). Out of the ashes of Ph106 may appear the CLUE. Stay tuned for updates. Ombudsmen training, anyone?

Geoff - The IHC will be meeting with members of

John - Ba ba ba, ba ba ba Bookkeeper. (Up an octave) Ba ba ba, ba ba ba Big T.

Ge244 - Elections for Pres and VP/BoC Fhrer will be on Monday. Vote for your favorite flavor of Nazi - Boobleberry or Sharkasaurus Rex. The budget survey is done and will go out soon. John and Ge244 met with David "The Minuteman" Derkits and snagged some phat up software. The ASCIT love machine will soon be running its own web server and an entire truckload of other Microsoft applications. Ge244 wants to get a foosball table for the coffeehouse. He also thinks that a giant chess set might be nice. The BoD votes 3-1-0 to approve the purchase of a foosball table (with Baldeep voting nay because he eats farts). The BoD just gets plain silly and votes 5-0-0 to allow Ge244 to actually purchase the new software from ITS.

Kohl - A retired alum is willing to meet with us to determine how we might better organize the corporation's affairs. Some non-empty set of committees will take the place of the planned "Fire Committee". The exact contents of this set are to be determined. Any construct will definitely have students on it. Who knows what evil lurks in the hearts of men?

Meeting adjourned at 00:49.

Respectfully submitted, D. Astle ASCIT Secretary



by Daisy James

Run for Your Life
by Marilyn Levy

At its heart, this is the basic inspirational-sports-story, with the underdog team, impossible odds and motivating coach trying to succeed... What makes it distinct is the grimness of the setting and the fact that the author pulls no punches describing it.

The story takes place in a housing project in Oakland, where the actual events fictionalized here occurred. It is about a group of girls on a community

track team and how the team changes things in their lives. The setting itself could be a real problem for

any author not willing to stick with reality; sugar-coating would destroy any chance of atmosphere. At the same time, though, some things are inappropriate for a book aimed at fifth graders. The author circumvents this by having it narrated by a slightly naive thirteen-year-old. The naiveté works, but the occasional shifts into a world-wise actually have a less authentic tone than the rest.

Though the book means well and has no real technical deficits, it is mostly unexceptional. The world of children's literature is

full of stories about sports and hardships and coming of age, and to compete with the best a new entry must be more than just good.

London
by Edward Rutherford

At 829 pages, this isn't the sort of book that you can read in an afternoon. Nor are you meant to. It covers the entire history of London, from early Celtic settlers to the present, in twenty-one novellas, each set in a different period and all following the same families through time, with new ones being added to represent the different waves of immigration.

The Ducket/Dogget family is there from the beginning, the Bull family comes with the Anglo-Saxon invasion and the Barnikels with the Vikings. The Silver-sleeves were French merchants who came with the Norman conquest, the Pennys, French Huguenots escaping persecution. They

do not span all aspects of the English population: Jews are referred to only in passing and there are no Chinese or Indians. To be fair, there is only one family added after 1533 and as it is, there are a lot of characters to keep straight by the end of the book. Still, the deficiency raises some questions about the author's impartiality.

One of the most striking things about the book is how it moves you with the opinions of the time. There are no permanent "good guys" and the group that comprised the villains in one story may be the heroes in the next. This is most striking in matters of religion. The conflict between Catholics and Protestants shaped English politics for decades, with atrocities on both sides. By telling the stories from the most common perspective for each period, Rutherford draws the reader along with the flow of public opinion. He has obviously done a lot of research on the subject and there

is a lot of historical information presented here; but it is presented in such a way as to not seem like a textbook with stories but rather stories with historical context.

But, first and foremost, this is a novel. Apparently, to sell a novel you need to put in a lot of sex, so *London* has it in spades. In fact, one wonders about the author's views. He seems to think that sex is the only component of love and the driving force of most male/female interactions. Which brings up my greatest problem with this book. I'm sure the author does not think himself a sexist, the book is chock full of strong, intelligent, dominant women. Unfortunately he appears to think that this excuses him from introducing almost every female character with a minute description of her anatomy; a treatment which, needless to say, he does not extend to the men. These considerations aside, it is a fun book to read if you have a few months.

Now Hear This: A New Year, A New Song

BY RON DOLLETE

"Old Year, Old Music, New Year, New Music"

All right, the year that was 1997. Technically the Spice Girls and the Wallflowers both arrived in 1996, but they really seemed to hit home in 1997. That can good or bad, depending on what you're talking about.

If the rising popularity of Spice Girls and Hanson are any indication of things to come, then this year will be very interesting. Of course, the new Beastie Boys album might change things up, and I'm predicting a big wave of East Coast rap to overtake the West Coast. Even though 2Pac is still producing albums (he's still alive and he's playing for the L.A. Lakers), it won't be enough to keep with Busta Rhymes, Puff Daddy, and EPMD.

I resolve to never say the word "electronica." But if there's anything that this craze is producing, it's beginning to make dance music more and more popular. Why do you think the Spice Girls are so popular? Still, the popularity of jungle and trip-hop isn't as big in the U.S. as it is in Europe, but there exists a healthy underground base of fans, so it can only grow from

here. I think techno has to solidify itself first through the dance floor. That's the only way I envision it to survive nineties "fad"ism.

I don't know what to make of the new ska wave. My favorite band right now is El Niño, but they haven't released any CDs yet. Other than that, I like The Cherry Poppin' Daddies.

The remaining members of Sublime are now the Long Beach Dub All-Stars, and I believe they have a new lead singer as well. The new album from Sublime, *Second Hand Smoke*, is a decent collection of remixes and unreleased stuff. I'm not too impressed with it, although the song "Superstar Punani" is cool.

The early releases of *40 oz. to Freedom* included two songs that are no longer available in the major label distributions. One is "Trenchtown Rock" (a cover of a Marley tune) and the other is a remix of "Get Out."

But I predict the usual 15 minutes for the new crop of cookie cutter bands. This, with no apologies attached, includes Matchbox 20 and... wow, look at that, just them.

The quasi-punk sound is enjoying a resurgence. Of course, 311 is a good example, as is Blink 182. I think the new Offspring album sounds a lot

more mature. And that's a good thing. You can only sound like a garage band for so long. Unfortunately, no one passed the word to Green Day. That Kottonmouth Kings song off the *Scream 2 Soundtrack* is also pretty cool. (The CD is worth getting just for that.)

It's all about the benjamins, baby, and I really don't care that Sean "Puffy" Combs continues to use sampling in the work he produces for the likes of Mase and Mariah Carey. As long as the original artists got paid, then I have no qualms. If you're more into soul and R&B, check out the two albums from Erykah Badu: *Baduizm* and *Live*.

Let me continue rambling: *OK Computer* from Radiohead was the best album of 1997. And even though Ben Folds Five released their CD *Whatever And Ever Amen* last year, I expect them to hit the big time this year. The song "Brick" is already receiving a lot of air play. Their folksy, down to earth sound is at the same time bitter and energetic. To continue on the depressing theme, Fiona Apple is releasing her followup album. Considering *Tidal's* success, a sophomore slump from her would still make the new album better than The Mighty Mighty Bosstones.

Reduced Shakespeare plays Beckman

BY ANDREA MCCOLL

"History was written by the winners - well, tonight, it's our turn!"

With humor and intelligence, insight and innuendo, and playful jabs at anything and everything, the Reduced Shakespeare Company (RSC) presented "The Complete History of America (Abridged)" on January 17th in Beckman Auditorium.

This travelling troupe, whose most famous production is a 90 minute rendition of the complete works of Shakespeare, thoroughly entertained a sold-out house, as they attempted to relate and interpret the events and people which shaped America.

The RSC has two companies, one of which remains in London while the other one, consisting of Matthew Croke, Reed Martin, and Austin Tichenor, travels. Within their repertoire, they have three shows: "The Complete Works of William Shakespeare (abridged)," History and "The Bible: The Complete Word of God (abridged)," which they cycle through when they play at different locales.

"What's really fun is doing them in rotation," said Tichenor, when asked.

Caltech has previously hosted the RSC, when, last year,

they came to perform their Bible show. "It's good to be back," said Martin.

The show itself was ninety minutes of fun, which spanned over 50,000 years of history—from the Ice Age to the present day. Additionally, references to modern history were made throughout the performance, to the delight of the audience.

Various methods were used in the presentation of different ideas, including: a Bill of Wrongs accompanying the Bill of Rights; WWI was fought with water guns; the sixties and seventies were presented like an art film. Additionally, Martin did an excellent Ronald Regan impersonation, and several of the cast members participated in a very realistic car chase in pantomime.

The group appears to thrive on having a wide variety of humor at their disposal. At one moment they might be poking fun at one of their members or making a blatant innuendo, and at the next, singing a song whose creation as a parody is a direct result of skillful manipulation of the English language.

The shows themselves are written by troupe members. History was written by Martin, Tichenor, and Adam Long (who is currently performing with the London company). Shows generally take around nine months to write, and, according to

Tichenor, "It always changes as soon as we start performing."

Perhaps the greatest skill possessed by the members of the RSC is awareness of the audience. Rather than treating the crowd as a nonexistent entity, they played off the reactions of the people watching them. At times, they feigned surprise at laughter, at others they got the audience to read aloud large cards. They even asked questions to the audience, and allowed people to test the actors' knowledge of history. As Croke said, "Those of us who forget the past are doomed to forget . . . um . . . er . . . other things."

But no one will forget the RSC, after having enjoyed an evening entangled in their web of wit. They are definitely a performance group worth seeing at least once, if not for each of their productions.

The RSC is likely returning to Caltech next year, with their Shakespeare production, and according to Martin, a millenium show is in the works. The writing for this new production began last December, and rehearsals start in August. It is uncertain as to when this show will enter theaters, but if "America" is any indication, a performance by the Reduced Shakespeare Company is a performance of the highest caliber and the highest level of entertainment.

ADAM VILLANI, MEDIA GUY



by Adam Villani

I don't feel like repeating myself, so if you'd like to read another of my rants about how stupid the Grammys are, you can just go down to the Tech office and read my column from a year ago. I'll just say for now that it's great to see Radiohead's excellent *OK Computer* nominated for album of the year and that I enjoyed a hearty, satisfied chuckle upon seeing the Chemical Brothers' "Block Rockin' Beats" nominated for Best Rock Instrumental alongside such guitar wankers as Steve Vai and Joe Satriani (sorry, no Yngwie Malmsteen this year).

Kundun

This is one Martin Scorsese movie that's *not* going to get him accused of remaking *Goodfellas* again. This biopic of the current Dalai Lama's early years, from his humble beginnings, through his childhood as the Buddha of Compassion, and to the conflicts with the 1950 Communist Chinese occupation. *Kundun* is an exceptionally beautiful film; the cinematography, costumes, sets, and Philip Glass score are all unquestionably award-worthy. The story and screenplay are quite powerful, but not without problems. Scorsese's handling of the personal and spiritual issues in the early part of the film seems elementary and sluggish compared to the strength and innovation of his handling of the more direct and political events that dominate the movie's second half. Nevertheless, this movie is well worth seeing in a good theatre and should garner the Dalai Lama understanding and some well-deserved sympathy in the West.

The Sweet Hereafter

One of the year's best films, Canadian director Atom Egoyan's (*The Adjuster*, *Exotica*) latest offering is a haunting, lyrical film about the efforts of a small British Columbia town to come to terms with the deaths of most of the town's children in a school bus' plunge into an icy lake. The central character, played by Ian Holm, is a big-city lawyer come to town to try to drum up support for a class-action lawsuit and actually believes that he's helping the parents in their grief. Egoyan's non-linear storytelling seems far from mere trickery, instead a tool for letting the story unfold according to emotion rather than chronologically. The cast is excellent, in particular Sarah Polley as a teenage survivor with some pivotal testimony. Without giving away any spoilers, my only complaint is that in a complex movie that offers few easy explanations, there's one brief scene in the middle I would have excised that seems to give credence to a cliched motivation-of-the-week. Otherwise, the movie's practically flawless.

Jackie Brown

Wunderkind Quentin Tarantino's most recent movie isn't particularly good. The heist story is reasonably interesting, and Tarantino has allowed his actors enough space to create some great characters. The problem is that he seems to have directed the film from a Barcalounger; the pace of the two-and-a-half hour movie crosses the line from "leisurely" into the realm of "tedious" and "boring" and isn't helped by cutting away from every other scene with a fade-to-black. I saw this movie far from home in Newton, Massachusetts, where at least it was great fun to see the Del Amo Fashion Center and other familiar locations close to my home in Long Beach used so prominently. Toning down the density of the pop-culture references from *Pulp Fiction* was probably a good change of pace for Tarantino, but I just wish the result was better.

The California Tech and its editors would like to apologize to Mr. Andrew Strauss for the modified picture of him in last week's *Inside World*. We realize, unfortunately in hindsight, that it was published in poor taste and hope that Mr. Strauss was not offended by it.

Spring sports evaluate new season teams; play begins next week

FROM CALTECH SPORTS

The Women's Tennis team began practice on January 5th under the guidance of Coach Karen Nelson. Nelson is beginning her 8th year as Head Women's Tennis Coach at Caltech.

The team begins the season with five returning players and seven newcomers. Senior Alexis Johnson heads up the team returning for her 4th year. Junior Amy Chang-Chien returns for her 3rd year, while sophomore Audrey Lee begins her 2nd year. Senior Grace Yang returns after a year hiatus and begins her 2nd year. When the basketball season is over, senior Irene Wong will begin her 4th season. The seven newcomers bring additional strength and depth to the team. They are senior Emily Ho, and freshmen Dominika Rytwinska, Nita Losopunkol, Susan Sher, Heather Graven, Caroline Lim, and Nancy Wei.

Coach Nelson plans to remain competitive in the conference with this year's team, while challenging their non-conference opponents. She hopes to have the squad members improve both individually and as a team. They open their season in the state of Arizona against Mesa Community College on Friday January 23rd.

The Caltech Men's Tennis team begins their season under the guidance of Head Coach Wade Gillam, who is starting his second year at Caltech. The team has ten players returning, as well as a large group of newcomers.

"Because of our returning nucleus of experienced players we are confident of a solid season," stated Coach Gillam.

Returning for their senior years are co-captains Jason Jenkins and Ronak Bhatt. Other returning players include senior Eric Dennis, juniors Jeff Custer and Gabe Miller, and sophomores Matt Musick, Kanwar Kahlon, Albert Hsiao, Stephan Kazachki, and Ian Swett.

The team's goal is to finish higher in the conference, while individual goals revolve around playing competitive matches with the best teams in the conference. The Beavers have 21 players out for the team, including seven very talented freshmen who will see plenty of playing action. All of their top players from last year have returned. Gillam believes the team is stronger this year and he is hopeful that this strength will be reflected in their matches.

The team's season-opener is against Whittier on January 28th. This year, they are also looking forward to a Spring Break trip to Hawaii.

The Caltech Golf team begins their season with Head Coach Mike Jackson, who is in the 17th year at Caltech. He is assisted by Tom Jarrett.

Returning for the Beavers are Kyle Stickle, Kazu Nakada, and Nick Lorensen. Newcomers to the Caltech squad are Oxy transfer junior Paul Welander, and freshmen Francis MacDonald, Nick Wisniewski, Stephen Wexler, Nathan Heicht, Matt Davis, Amy Peterson, Dennis Fong, and Jason Chua. Stickle and Welander are All-Conference performers. MacDonald was a three time All State performer in high school. Nakada, Lorensen, Wisniewski, and Wexler provide strong backup while the rest of the newcomers will gain experience for future years.

Coach Jackson is hoping to have a strong team which will finish in the top half of the SCIAC. They open their season against Occidental at Annandale on January 26th.

The Caltech Baseball team began their season on January 6th. The team is led by Head Coach John D'Auria and assistant coach Frank Monzon.

Though one player was lost to graduation, 11 players who lettered are returning, giving this 1998 Beaver team experience

and depth. Leading the group of returning players is second team All Conference shortstop and catcher Greg Fricke.

"If he has a solid year like his freshman year, I'll be extremely happy," stated Coach D'Auria.

Other returning players who may contribute in a big way are second-year team members catcher Jeremiah Smith, pitchers Alan Rosenwinkel and Kevin Bradley, and outfielder Matt Sullivan. The veteran leadership will come from juniors Grant Williams, Matt Dawson, Miles Shuman, and seniors Jon Allen, Jason Barnes,

and Rob Tryon.

Another pleasant surprise for Coach D'Auria was the group of freshman players. The six of them should contribute a great deal over the season. Three of them have some pitching experience, which is always a bonus for the Beavers.

Having a unique blend of experience and depth coupled with freshman enthusiasm should make for a very positive team experience. Coach D'Auria is hoping for a very competitive season this year. The Baseball team's season opener is against Dodgertown on January 24th.

Upcoming Matches

1/23:	Women's Tennis at Mesa Community College	1:30pm
1/24:	Women's Tennis at Paradise Valley CC	10:30am
	Swimming at Redlands	11am
	Baseball vs. Dodgertown	11am
	Women's Basketball vs. Claremont-Mudd-Scripps	5pm
	Men's Basketball at Whittier	7:30pm
1/26:	Golf vs. Occidental	1pm
1/28:	Men's Tennis at Whittier	3pm
	JV Men's Basketball vs. Occidental	5:30pm
	Men's Basketball vs. Occidental	7:30pm

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IF YOUR CONTROLLED TESTS HAVE NEVER FOUND PSYCHIC POWERS, HOW DO YOU KNOW THE TESTS WORK FOR THAT SORT OF THING?

ISN'T THAT LIKE USING A METAL DETECTOR TO FIND OUT IF THERE ARE UNICORNS IN YOUR SOCK DRAWER?

NO!

LATER THAT NIGHT

A SKEPTIC CHECKS ALL THE DRAWERS.

THE SALES FORCE WAS OFFERED A RETIREMENT BUYOUT PACKAGE OF FIFTY DOLLARS.

ONE HUNDRED PERCENT OF THE SALES FORCE ELECTED TO TAKE THE OFFER.

I WONDER WHAT THEY KNOW THAT I DON'T KNOW.

THERE'S A HOLE WITH NO BOTTOM.

I'D QUIT AND BECOME AN ENTREPRENEUR, BUT I DON'T KNOW HOW THEY HANDLE SUCH HUGE RISKS.

DENIAL, PROBABLY.

WE GOT BOUGHT BY OUR ARCHIVAL THIS MORNING.

THEIR CEO SAYS HE PLANS TO BE AS "HUMANE" AS POSSIBLE.

HE SOUNDS NICE.

MAYBE WE'LL GET BONUSES!

DON'T WORRY ABOUT MY FLU, ALICE. GERMS DON'T FLY THROUGH THE AIR.

AACHOOO!

REMEMBER, GERMS DON'T FLY THROUGH THE AIR.

YOURS ARE GONNA.

I FINISHED MY WORK DESPITE HAVING A SLIGHT FLU. HERE'S YOUR COPY.

UM... YOU SHOULD GIVE THAT COPY TO WALLY.

WALLY ISN'T ON THIS PROJECT.

I KNOW. I JUST FIGURE HE HAS THE LEAST REASON TO LIVE.

LOOKS LIKE SOMEONE CAME HOME IN A GOOD MOOD.

ARE YOU KIDDING? IT'S THE WEEK BEFORE THE SUPER BOWL!

TIME TO GRAB A BEER, PLOP DOWN ON THE SOFA, AND LET THE TELEVISION BATHE ME WITH ENDLESS PRE-GAME REPORTS, STATS AND INTERVIEWS.

HATE TO BREAK IT TO YOU, BUT JASON'S CHATTER'S NOT GLUED TO THE TV PLAYING HIS NEW "DUKE QUAKEM" VIDEO GAME.

NO BIGGIE. "SPORTS-CHATTER'S" NOT FOR ANOTHER 20 MINUTES. HOW LONG CAN ONE GAME TAKE?

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HOO BABY! ONLY 661 LEVELS TO GO!

UM, JASON? "SPORTS-CHATTER'S" ABOUT TO COME ON.

HEE HEE... I GOT THE GATLING GUN!

JASON? IT'S THE WEEK OF THE SUPER BOWL. SOAKING UP EVERY PRE-GAME DETAIL IS SOMETHING OF A TRADITION WITH ME. WHADDYA SAY? CAN I WATCH THE TV?

HEE HEE... I GOT THE FIRE DARTS!

SON? ARE YOU EVEN LISTENING?

HEE HEE... I GOT THE FISSION BAZOOKA!

DARN IT! WHY WON'T THIS CLICKER WORK?!

HEE HEE... I GOT THE BATTERIES.

JASON, PLEASE? I NEEDED TO WATCH "SPORTS-CHATTER"!

DAD, I CAN'T QUIT NOW. I'M ON A MAJOR "DUKE QUAKEM" ROLL!

CAN'T YOU SAVE THE GAME LIKE THAT ON THE JUPITER-64 COMPUTER? YOU NEED ONE OF THOSE SPECIAL CLIP-ON MEMORY PACKS AVAILABLE AT BIG BOB'S TOY TOWN FOR \$10.99 PLUS TAX.

NOPE. TO DO THAT YOU DO ON THE JUPITER-64.

I THINK THEY'RE OPEN UNTIL 8:00.

SCREECH!

AND TO THINK I USED TO HATE SUPER BOWL WEEK.

YOU KNOW, YOU CAN PAUSE THE GAME.

OK, HERE YOU GO, JASON. NOW CAN I WATCH FOOTBALL??

DAD, YOU WERE SUPPOSED TO GET ME A MEMORY CARTRIDGE!

WHAT'D I GET YOU?

THIS IS A RAMBO PACK! DON'T GET ME WRONG... I'M STILL GRATEFUL, BUT THE IDEA WAS TO GET ME SOMETHING TO SAVE MY "DUKE QUAKEM" PROGRESS.

WHAT'S A RAMBO PACK DO, THEN?

IT GIVES YOU AN ENHANCED TACTILE SENSATION AS YOU PLAY. HERE, TAKE THE CONTROLLER AND HAVE YOUR GUY TOUCH THAT BIG ELECTRIC FENCE.

SON... PLEASE. I JUST WANT TO WATCH TV...

OOO - TRY SHAKING THAT BOX MARKED "MUNITIONS"!

SON, I AM BEGGING YOU TO LET ME WATCH FOOTBALL.

ALL RIGHT, I AM POLITELY ASKING YOU TO LET ME WATCH FOOTBALL.

OK, I AM NOW ORDERING YOU TO LET ME WATCH FOOTBALL!

SWEETHEART, CAN YOU GIVE ME A HAND HERE?

DAD, WHO DO YOU THINK I PLAY VIDEO GAMES ALL WEEK?

ANDY, I CAN'T BELIEVE YOU DELIBERATELY TOLD JASON TO PLAY VIDEO GAMES ALL WEEK SO I COULDN'T WATCH ANY TV SPORTS NEWS!

IT'S THE WEEK OF THE SUPER BOWL! YOU KNOW HOW MUCH FOOTBALL MEANS TO ME! YOU KNOW HOW I LIKE TO WRAP MYSELF IN EVERY NUANCE AND DETAIL AND STATISTIC ABOUT THIS CONTEST! SHEESH - WE'VE BEEN MARRIED 20 YEARS!

WHY WOULD YOU, OF ALL PEOPLE, WANT TO DENY ME THE ONE TRUE LOVE OF MY LIFE?!

UM, THAT DIDN'T COME OUT QUITE RIGHT.

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Women's Basketball wins, Men's to follow?

BY KATY ISAACS

by Lori Hsu, ran up the score for the Lady Beavers.

The Caltech Women's Basketball team triumphed over Mills College 46-30, on Tuesday January 13th in Braun Center. The Lady Beavers led for the entire game, gaining their first win of the season.

The team was able to overcome Mills despite the opposing team's aggressive man-to-man defensive and full court press, becoming especially heated in the second half. The Lady Beavers contrasted with a solid zone defense and half court press. Both teams displayed nice passing throughout the game.

The Mills team missed a large number of lay-ups, making up for it with the elegant three point shots of Mills player Jennifer Barton, who scored over half of the points for her team.

Caltech made a lot of shots and was much better off the board than the Mills Team. The consistent shooting of Ellis Meng and Joanna Dodd, along with the successful fast breaks

With the rebounding of Meng and Dodd and the ball handling of Hsu and Irene Wong, the Caltech Women's Basketball Team outplayed the Mills Team impressively.

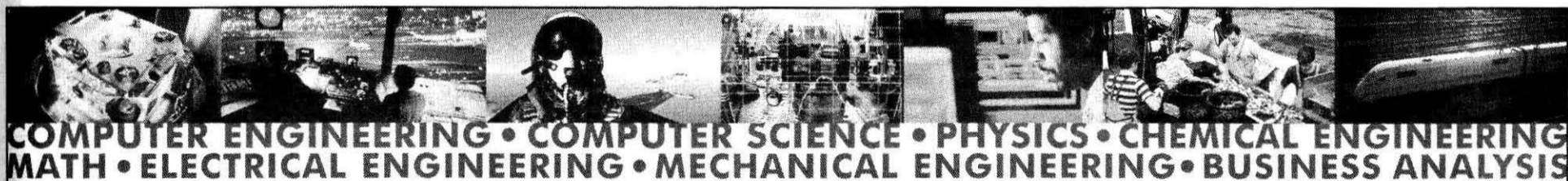
The Caltech Men's Basketball Team will face Occidental College on Wednesday January 28th at 7:30 pm in Braun Center in what should be a very exciting match-up.

This game is important to the Beavers, who stand an excellent chance of winning. Last year, Caltech lost to Occidental by just four points. This year, Oxy faces an experienced Caltech team without the help of last year's All-American center, who transferred to a NCAA Division I school for this season. This will give 6'10" senior center Ben Turk and the rest of the team an easier time than they had last year.

The team is eager to fill the stands and remind fans that this will be a game that can't be missed.

Intercollegiate Scoreboard

1/3:	Women's Basketball	Caltech	28	Pomona	73
	Men's Basketball	Caltech	46	Carnegie Mellon	61
1/6:	Women's Basketball	Caltech	18	LaVerne	70
1/9:	Men's Basketball	Caltech	42	Southwestern	65
	Women's Basketball	Caltech	20	Redlands	62
1/10:	Men's Basketball	Caltech	45	Arizona Bible	56
	Women's Basketball	Caltech	32	Pacific Christian	49
	Men's Swimming	Caltech	100	Occidental	111
	Women's Swimming	Caltech	39	Occidental	159
1/13:	Women's Basketball	Caltech	46	Mills	30
1/14:	Men's Basketball	Caltech	21	Claremont	52
1/16:	Women's Basketball	Caltech	35	Whittier	58
1/17:	Women's Basketball	Caltech	31	Christian Heritage	75
	Men's Basketball	Caltech	43	Pomona Pitzer	66
	Men's Swimming	Caltech	92	Redlands	148
	Women's Swimming	Caltech	40	Redlands	184
	Men's Swimming	Caltech	83	Pomona Pitzer	159
	Women's Swimming	Caltech	28	Pomona Pitzer	201
1/20:	Women's Basketball	Caltech	36	Pacific Christian	88
1/21:	Men's Basketball	Caltech	53	LaVerne	83



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Announcements

* **Daffodil Days** is a nationwide event that raises funds for cancer research, education and prevention, and patient services (such as support groups, transportation to treatments, loan of hospital equipment, wigs, summer camp for children with cancer, low cost mammography screening, etc) by selling daffodils, the first flower of spring. Orders for flowers are taken through February 27th, with delivery March 16-17. A bouquet of 10 flowers is only \$7, and with a vase is \$10. Additionally, shirts, bouquets, note cards, and mouse pads will be sold. Additionally, the "gift of hope" can be given - an anonymous gift of 10 daffodils with a vase that is delivered to cancer patients in the area. If you would like to collect for your department or division, or to find out who else is selling, call Jill King at x2089

* The **Prefrosh** are coming! The Prefrosh are coming! Prefrosh Weekend 1998 will be held from April 16-19, 1998. If you have comments or suggestions for Prefrosh Weekend, or your club or organization would like to be involved with Prefrosh Weekend activities, please contact Dina Figueroa at dina@admissions.caltech.edu.

* If you have symptoms of recent **sinus infection** (less than 4 weeks) and are seeking relief, you may be eligible to participate in a study at Huntington Hospital's Asthma and Allergy Center. Compensation is available for selected participants who complete the four-week study. Call for more information, 397-3383.

Beginning Monday, January 5th, **free anonymous HIV testing**, using an oral HIV antibody test, will be available each Monday evening from 6:30-9:30 p.m. at the AIDS Service Center, 1030 S. Arroyo Parkway in Pasadena. Persons wishing to be tested may make an appointment by calling (888)488-9242. Walk-ins will also be accepted. Both pre- and post-test counseling will be provided, and results will be given the following Monday.

The Gay/Lesbian/Bisexual Discussion Group meets on the first and third Tuesdays of each month from 7:30 p.m. until 10 p.m. in the Health Center lounge. This is a confidential meeting and does not imply anything about a person's sexual orientation—only that s/he 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 will be served. If you would like more information, please call x8331.

Events

* **The Caltech Jazz Bands** will perform in a free concert on January 24th, at 8:00 p.m. in Beckman Auditorium. The special guest soloist for the evening will be pianist and composer, Billy Childs.

* **On January 27 from noon to 1:00 p.m.**, Dr. Morris Low, research fellow, Division of Pacific and Asian History will be speaking on the topic of **Japanese physicists and the Reorganization of Science in Postwar Japan** in the Judy

Library of Baxter.

* **Caltech President David Baltimore** will be interviewed on Airtalk, the Caltech Edition, on January 28th from 6-7 p.m. The station, KPCC-FM 89.3 is celebrating its 10th anniversary with this show. Call-ins are welcome during the show, at 793-3667 or 798-2489.

* **Darryl Denning**, guitar, and **Cuarteto Ysaÿe de Los Angeles** will be performing in Dabney lounge on February 1st at 3:30 p.m. Admission is free.

* Caltech is sponsoring a one-day **blood drive and bone marrow donor program** which will be held in Dabney Lounge on February 5th between 10:15 a.m. and 3:30 p.m. Please contact Vilia Zmuidzinas via e-mail, Vilia.Zmuidzinas@caltech.edu or at x6001 for an appointment or more information. Walk-ins are also welcome.

* Pianist **James Boyk** will give a free concert on February 8th at 2:30 p.m. in Dabney Lounge.

* Beckman Auditorium will be hosting the **Vermer Quartet** with **Anne-Marie McDermott** on February 8th. This Coleman Chamber Concert will feature Schubert's String Quartet in E-flat Major, *Shotakovich's String Quartet No. 8* in C minor, and Dvorak's Piano Quintet in A Major.

* **Les Ballets Trockadero de Monte Carlo** will perform classical ballet parodies on February 13th at 8 p.m. in Beckman Auditorium.

The **Distinguished Speaker Series** of Southern California is moving into its second season. The events will be held at the Pasadena Civic Auditorium on five remaining dates, at 8 p.m.: Dominick Dunne will be speaking on February 26th, Elizabeth Dole on March 12th, Jean-Michael Cousteau on April 8th, Maya Angelou on May 13th and Mark Victor Hansen on June 10th. For more information, contact (800) 508-9301.

For most Caltech events listed, further information can be obtained by calling 395-4652 or (888) 2-CALTECH, or through the Caltech website, <http://www.caltech.edu>.

Fellowships and Scholarships

* **Real World Internships/Careers, Inc.**, the only agency of its kind in New York's Silicon Alley, recruits college students and recent grads for internship, contract, and entry-level positions at New York-based firms. More information can be obtained at www.rwinterns.com, or by calling (516)295-5373.

The **Glamour Magazine's 1998 Top Ten College Women** competition has begun. The competition is open to all full-time juniors regardless of major or GPA. All entries must be postmarked by January 31, 1998. Contact the Dean of Students Office, 102 Parsons-Gates

Mints

* denotes a new announcement.

for the applications.

The **Korean American Scholarship Foundation** is pleased to offer over 48 scholarships totaling over \$52,000. Applicants must be full-time students of Korean heritage enrolled in at least the 2nd year of college, graduate school or professional school in the Western Region. Each applicant must submit an application form, transcripts from the last two years, two letters of recommendation, one picture taken during the last year, and a copy of both student's and parents' or guardians' Federal Income Tax return from last year. Applications and information may be obtained through the Financial Aid Office or through the foundation website at www.kasf.org. Applications must be submitted by January 31, 1998. **UFA**

The **Josephine de Kármán Fellowship Trust** is pleased to announce the availability of ten fellowships in the amount of \$7,000 for 1998-99. All studies must be carried out within the United States and expended within the United States. Fellowships are open to students entering their senior undergraduate year and graduate students entering the terminal year of a Ph.D. program in Fall 1998. For application information, visit the Financial Aid Office. Applications must be postmarked no later than January 31, 1998. **FAR/UFA**

All undergraduates can apply for a **summer or academic term fellowship** for research at one of nearly 60 federal and industrial facilities, which range from 8-16 weeks and available in a range of science and engineering fields. Students receive a minimum of \$300 per week plus travel to/from the facility. For summer fellowships, applications are due by February 1, 1998. For more information, visit the Obtaining Fellowship section of www.awu.org.

The Postgraduate Fellowship allows graduating seniors, Master's or Ph.D graduates to work for one to three years at a national laboratory. Fellowships are funded by the host lab/facility, and include support for stipends, travel, relocation, and other allowances. For more information, visit the Obtaining Fellowship section of www.awu.org.

Applications are now being accepted for the 1998-99 **National Academy for Nuclear Training** scholarships. Scholarships are \$2500 each and will be awarded to eligible students majoring in nuclear engineering, power generation health physics, or chemical, electrical, or mechanical engineering with nuclear or power options. Applicants must be U.S. Citizens, have minimum 3.0 G.P.A.s, and be full-time sophomore, juniors, or seniors in 1998-99. Preference will be given to students demonstrating specific preparation for employment in the U.S. nuclear power industry. Scholarships are renewable. Applications and information are available in the Financial Aid Office. Applications must be postmarked by February 1, 1998. **UFA**

Applications are now being accepted for the **College Women's Club of Pasadena Scholarship Foundation**. Two nominations will be made from Caltech.

Applicants must be female, U.S. Citizens, sophomore year or higher, and have a minimum 3.0 GPA on a 4.0 scale. Each nominee must provide a completed application form, a one page, typed, personal essay, transcript of college work to date (including current courses and commitments), three recommendations, preferably from professors familiar with applicants aspirations and achievements, and a current resume. All application materials should be submitted to the Financial Aid Office no later than Thursday, February 5, 1998. **UFA**

Seniors interested in journalism as a career may wish to apply for the **Newhouse School of Public Communications fellowship** for Masters programs in journalism at Syracuse University. Students receive full tuition, \$1,100 per month living stipend, up to \$1,500 for moving expenses to Syracuse, NY, \$800 for travel, up to \$1000 for books and fees, and a paid professional internship with a newspaper. Applicants must be U.S. citizens, and members of underrepresented groups in the journalism field. Fellowships Advising can send you more information on the program or contact the program director, Jane Lorraine at jalorrai@suadmin.syr.edu. Applications are due February 10 and GRE general test scores are required for application. **FAR**

The **American Society of Naval Engineers** is offering \$2,000 undergraduate scholarships and \$3,000 graduate scholarships for the academic year 1998-99 to students who are interested in naval engineering. Applicants must be U.S. Citizens, must demonstrate a genuine interest in a career in naval engineering, and must be applying for either their last year as an undergraduate or co-op undergraduate program, or one year of graduate study leading to a designated degree at an accredited college or university. The deadline to submit applications is February 15, 1998. **UFA**

The **Backpacker Outdoor Scholarship Program** is offering twenty-five \$1000 scholarships in three categories: Outdoor Leadership, Environmental Leadership, and Outdoor Writing. Students may apply for more than one scholarship, but can only be awarded one. The scholarship is open to any full-time undergraduate student, any major, attending a four-year college. The student must maintain a 3.0 G.P.A. average or better and must be a junior or senior the year the scholarship is used. The application and submission requirements are available in the Financial Aid Office. Entries must be postmarked by February 16, 1998. **UFA**

* During the summer of 1998, the **National Nanofabrication Users Network (NNUN)** will be sponsoring a Research Experience for Undergraduates (REU) Program. Emphasis will be placed on minority and female participation; however, all engineering students entering their junior and senior year in the fall of 1998 are eligible. Forty-two undergraduates will be chosen to partake in a ten-week program, offering hands-on nanofabrication research in chemistry, electronics, materials science, optics and optoelectronics, physics, and life sci-

ences. Participants receive a \$3500 stipend, round-trip travel expenses from their home institution, and housing at the research site. The application deadline is February 20th, and awards will be announced on March 20th. More information is available on the REU website, www.cnf.cornell.edu. Applications are available in the Deans' Office, 102 Parsons-Gates.

The Dean of Students Office is accepting proposals for the **Monticello Foundation Internship** and the **Robert and Delpha Noland Summer Internships**. Three to five Caltech undergraduate women will be given an opportunity to participate in research projects outside of the Caltech community for ten weeks during the summer. Applicants are required to identify the projects in which they wish to participate. Please stop by the Deans' Office to review sample proposals from past years, or to discuss your proposal before the deadline date. Proposals must be received by March 2, 1998.

California residents who plan to attend graduate school in California should apply for the **California Graduate Fellowship Program**. The application deadline is March 2, 1998. Information booklets giving details and application procedures are available from Fellowships Advising. Information is also available on the Web at <http://www.csac.ca.gov>. **FAR**

The **American Electroplaters and Surface Finishers Society** is offering scholarships to undergraduate juniors and seniors and graduate students who are interested in careers in the electroplating and surface finishing industry. Undergraduates must be full-time and must be majoring in metallurgy, metallurgical engineering, materials science or engineering, chemistry, chemical engineering, or environmental engineering. Applications must be submitted by April 15, 1998. **UFA**

The **Jewish Family and Children's Services** offers financial support for Jewish individuals and their families. Individuals may apply for up to \$5,000. Special scholarships are available for study in Israel. Eligible students must have financial need, have at least a 3.0 G.P.A., and be residents of San Francisco, the Peninsula, Marin or Sonoma counties, or the Bay Area. There are no deadlines—applications are accepted throughout the year and are available in the Financial Aid Office. **UFA**

For information on the listed fellowships, assistance with essays, or clarification of questions, contact:

FAR - The Fellowships Advising and Resources Office.

For information, please contact lauren_stolper@starbase1.caltech.edu. To make an appointment, call x2150.

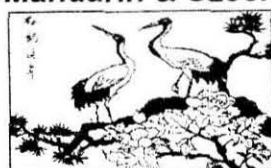
UFA -The Undergraduate Financial Aid Office.

For information, call x6280, or stop by 515 S. Wilson for an appointment.

To submit an event for the Mints, contact mints@caltech.edu or Mail Code 040-058 by noon on the Monday prior to its inclusion. Submissions must be brief and concise, and the editors reserve the right to edit and abridge all material.

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