Caltech Presidency shifts from Thomas Everhart to David Baltimore

Dr. David Baltimore, who took over as Caltech's President two days ago, sent an message of introduction to the Caltech Community. For the benefit of those who have accidentally erased the e-mail before reading it, or those who, despite repeated efforts, are not on the directory mailing list, The California Tech has reprinted Baltimore's statement below.

Hello to the Caltech community. Today I take over as President of Caltech, and because I have a week of responsibilities in the East, I wanted to take this way to greet all of you.

Last spring the Caltech Board of Trustees asked me to be the sixth chief executive of Caltech. I accepted only after some deep soul-searching, because it meant a profound change in my life. My wife, Alice, and I had to contemplate leaving friends and close colleagues behind in the New England we have come to love. It was the excitement of the opportunity to lead such a great institution that finally overruled all other emotions.

I have been to Caltech often since then and each visit has reinvigorated my commitment to the institution. To be steward of a school that reaches such peaks of excellence in so many areas of science and technology is a rare honor and a deep responsibility. Caltech has such wonderful students, outstanding faculty, and dedicated staff, that I look forward with excited anticipation to becoming a member of the community.

Caltech's greatness today is very much the result of the attentive and creative leadership of Tom Everhart over the past 10 years. I am very pleased that we will continue to benefit from his wise counsel.

Don DeLillo starts his grand new novel with the line, "He speaks in your voice, American, and there's a shine in his eye that's halfway hopeful." American is a language and a style that dominates the world. It derives from the efforts and dreams of hundreds of millions of people spread over 3,000 miles. It comes from two centuries of development of a uniquely effective-although occasionally chaotic-form of governance that gave us the moral strength to fight two world wars on foreign soil and today oversees an economy of remarkable flexibility and strength.

No piece of America is more important or more generative than Caltech. I am proud to make the 3,000-mile voyage to Pasadena to preside over Caltech's greatness at the beginning of a new millennium. There is a shine in my eye of high hope that the future holds great opportunities that we can realize together. I'll see you all next week.

Dr. David Baltimore, President, Caltech
Letters to the Editor

Business manager excesses and editorial control of the Tech

Dear Editors,

I am writing because I am more than a little concerned about the compensation schedule debate noted in the ASCIT BOD minutes from the meeting of July 28, 1997. In it, the Business Manager’s proposal states that the system of commissions for ads brought in be eliminated and a flat rate system be adopted. This to me opens the way for shiftless and flabby business managers (of which there exists a long history) by eliminating the incentive to find new sources of advertising revenue. This type of proposal by the incumbent Business Manager makes reasonable people wonder what type of racket is being run from the Tech offices in the SAC. Is the appointment to Business Manager now the way to riches on campus? The allegations of “overpaid” and “underworked” individuals on the staff who are making $5000 or more in a school year should not be swept under the rug, especially when ASCIT routinely denies various funds, salary increases, and bonuses for lack of funds.

In the belated wisdom, the BOD rightfully struck down this proposal; however, I strongly believe a deeper problem exists with the handling of ASCIT membership dues in regards to the Tech, and the various by-laws that have the potential to essentially give the ASCIT BOD control over the Tech.

Under the current system, the Editors and Business managers are responsible for the Tech’s success under Article 14, Section 3. In the same section, however, the financial supremacy over the Tech’s finances by the BOD is asserted. As most people know, the real editors of a publication are those who hold the pursestrings. Certainly, there seems to be a guarantee of the Editor’s independence from the BOD in Section 4, but recent history has shown that given a “concerned” ASCIT BOD, pressure can be applied to the editors of the Tech, something that should concern all of us that claim adherence to the idea of a fair and unrestricted press. In addition, Section 5 states that “The Business Manager is the only one empowered to transact business in the name of a publication.”

The Business Managers are appointed and thus beholden to the ASCIT BOD and not necessarily to the editorial staff of the Tech.

To compound all of the above power the ASCIT BOD has over the Tech editors is Section 9, essentially giving the BOD power to delay or deny payment of salaries to the Tech editors, especially if the BOD claims “unsatisfactory performance” against the Tech editors.

In addition, Section 10 demands that the editors come on board and request approval for a compensation schedule and any changes to said schedule.

All of this makes for a Tech where the editors be, and occasionally are, overruled in their editorial decisions concerning content by the BOD. This is simply unacceptable—the editorial staff of the school newspaper should never be held around and intimidated by an arm of the student government. Such activities would basically turn the Tech into a low-budget clone of the public relations mind of On Campus, a process that I think has been slowing occurring.

To have such a byzantine system of requesting salary changes and such changes seem rather absurd for a school of our size, and seems to send a message that we tend to like our government processes to mimic our homework assignments—that is, complicated, difficult, and time consuming.

I propose that the Tech editorial staff be given greater control over their paper in the following manner:

• Eliminate the appointed position of Business Manager and the elected position of Editor. Create in their places the elected position of an executive staff that will combine the two positions into one team that can get along with each other, and have the power to compensate members of the staff in a fair and expedient manner, as they see fit.

• Eliminate all notions that the BOD can make financial decisions concerning the paper beyond dispute resolution and investigations into allegations of gross misconduct or negligence.

• Make it explicit that the BOD cannot even think of influencing content of the paper beyond its weekly minutes submission and other public notices.

Such a system would leave most of the financial decision making up to the people who are running the Tech; certainly, some groups will fare better than others in making such decisions, and the results will be visible every Friday paper. Only the free editors can see the real reins, explicit or otherwise, that the BOD currently has on the Tech.

It would be sad to think that in a place where ideas are freely flowing in the pursuit of knowledge, a student newspaper can be so easily gagged by a tug on its pursestrings.

Tatuya Murase

Campaign finance: the moneymakers.

By John Hatfield

Yet again, President Clinton is being investigated, this time for certain indiscretions in his money-raising procedures. However, this is only the tip of the iceberg when it comes to campaign finances. President Clinton is only one of many politicians who has skirted the edge of campaign finance laws. However, the real crime is what is allowed legally, which is virtually nothing to limit on soft money; the money given to the party and spent on advertisements about “issues.” In the recent New York Times article, the superb abilities of Trent Lott, Senate Republican leader, at raising this kind of money

Caltech Apathy Society disbanded due to lack of interest.

By Neil Stevens

With the arrival of David Baltimore next week as Caltech’s new president, the campus has more to deal with than a challenge. This university is already a leader in research and a pioneer of cutting-edge research, as a result of such work evoking fundamental moral and policy questions, Caltech remains a leader in yet another field: apathy. I suggest that we should, together, strive to change this. Baltimore’s presence gives Caltech new opportunities for notoriety. Let us take full advantage.

When fruit flies sprouted four wings, and men experimented with markets, Caltech changed the world. Yet, as a teacher about the moral or social implications of such advances, and you get an angst shroy and a low muttering of, “Hum majors.”

The California Tech

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VOLUME XXIX, NUMBER 5
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Letters

Terri Lopez

Opinions

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Child Educational Center presents 17th annual arts & crafts festival at JPL

BY J. L. BICAUCAMP

You’ll find activities, entertainment, and artwork at the Child Educational Center’s 17th Annual Arts & Crafts Festival, which will take place at JPL this Saturday and Sunday.

The Fair features more than 80 artists and craftspersons selling handmade items, including paintings, ceramics, jewelry, children’s toys and furniture, hand-woven clothing, Halloweeen costumes and holiday decorations. A special area for children features activities for children of all ages, including pumpkin painting, crafts, games, and face painting. Entertainment includes vocal groups, chamber music, dance groups, and other presentations. Life-size models of the Voyager, Galileo, and Pathfinder spacecraft, smaller models of other JPL spacecraft, and a radar globe of Venus are on display. A demonstration of the Mars rover will take place both days. NASA-T-shirts, coffee mugs, souvenirs, and toys will be available for purchase at the Fair.

CONTINUED FROM PAGE 1

The reasons for The Totem's delay are different. This year's editors agreed at the beginning of the year that The Totem would work better as a September publication than as a June one. However, the general Caltech community will not be seeing The Totem until late November or early December. Five editors began working on this year’s Totem, but there are now only two de facto editors. The division of labor that was designed became skewed because of this. One problem that thus arose was financial. Normally, funding—in addition to that provided by ASCIT—is procured at the beginning of the year, but the breakdown of the editorial division of labor prevented this. Until the middle of July, the editors felt that The Totem would not be published because the money that ASCIT was provid­ ing was not quite enough to cover the cost of the printing plates, and other sources of funding had not yet been found. That problem was eventually solved thanks to the generosity of the Dean’s Office and the Humanities and Social Sciences department.

There was also the usual dearth of submissions, but the Caltech community should still expect some intriguing literature, art, and photography this year. For example, The Totem will include several sketches by the noted artist, Dean, and Biology professor Jean Paul Revel. Expect both publications to be innovative this year, although only in the Big T case did that contribute to the delay in publication. The problems faced by both publications are transient, so next year’s editions should be published promptly, barring unforeseen disasters. For more information about The Totem, contact Andrew Strauss, aks@cco, for The Totem, contact Strauss or Mason Porter, mason@agec.

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the California Tech
October 17, 1997

The Outside World

by Myfanwy Callahan

YAOJENE, CAMEROON — Elections in Cameroon resulted in the reelection of President Paul Biya to another 7-year term with 80% of the vote. Many question the results however, as the three main opposition parties boycotted the election and few Cameroonians voted. It is feared that Cameroon may join other African countries and spiral into civil war.

BERKAT, CONGO — President Laurent Kabila of the Congo has yet to gain military control over the eastern province of the country, four months after his rise to power. Nearby in the Republic of Congo, fighting is escalating, especially along the border with the Congo.

CARACAS, VENEZUELA — At the beginning of his first trip throughout South America, President Clinton stated he envisioned "a new world in the making." During his trip he will be overseeing various international agreements on energy, education, and the environment. Clinton hopes to generate enthusiasm for a free-trade zone throughout the hemisphere.

Havana, Cuba — Authorities are holding a suspect in the half dozen bombings of hotels and restaurants that have occurred in recent weeks. One person was killed in the attack. Since his arrest, no other bombings have been reported.

Washington, D.C. — A law in Oregon allowing physicians to participate in some cases of assisted suicide may finally come into effect after it was voted on three years ago in a state-wide referendum. The last appeal was overturned this week, leaving the law available to terminally ill patients.

Alumni Association offers funding for student organizations

The Alumni Association has funding available for student organizations that encourage interaction between students and alumni. To be considered for funding, an application form must be completed and returned to the Association no later than October 30, 1997.

To receive an application form, call Kerry at x6832 or e-mail her at kerry@alumni.caltech.edu. The form can also be found on the Web at www.cco.caltech.edu/~alumni/sac_funding.html.

Decisions on funding will be made in November by the Student/Faculty/Alumni Relations Committee of the Alumni Association Board of Directors.

Alumni Association offers funding for student organizations
1997 California Tech Poll

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**FEATURES**

Clip this form and return by next Friday to The Tech, SAC 40-58, or drop it in the IN box outside SAC 40. Results will be published in two weeks.

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Fall Deadline: October 31st, 1997
Dean's Corner

Liquid gold

by Jean-Paul Revel

In some cases there will be seeds of bigger things to come. In others, it is true for many a research project, there will not be anything concrete achieved. The hypothesis was not proved or disproved, there was no proverbial brick added. The thing that was added was to the experience of the SURFer, a recognition that research represents a stab in the unknown, the result of which cannot be predicted.

So, come one, come all, friends, acquaintances, professors, advisors, parents, any of you interested and cheer on your favorite researchers. It will mean a lot to them. Even now I remember well giving my first research report being cheered by my Prof. the best compliment he ever gave me (or was it?) “Give’m hell Revel!atta boy!” Hang ten and ride the wave ....

My second topic is also about liquid, not a great big wave crashing on the beach of the unknown, but a smaller one, as would be expected of liquids of lower surface tension. Smaller but important.

There have been long negotiations about how best to enforce the laws regulating the use of alcohol, and finally a compromise emerges; a compromise which allows the students and the houses the independence and self reliance they crave, yet would seem, on the face of it, also allows us to respect the law of the land.

In case you don’t know, and who does not, the solution involves training students to become bartenders. A great idea if your chosen career should fail, but in the school seem too drawn out a road to become a psychiatrist.

A subset of the student volunteers was selected and given TIPS training by a professional trainer. This involved a ground in the legal aspects of serving liquor to minors, how to recognize an intoxicated individual, a discussion of how to resist pressure by peers, and instruction in the mixing of drinks. The head bartenders so prepared then trained more students and qualified them to serve alcohol.

I really liked the idea — we all liked the idea — but it has one major problem. In order to be feasible, it has to work. That sounds like an idiotic statement; it seems so obvious, no rocket scientist needed to see that. Actually rocket scientists, busy as they are, biting their fingernails about their rockets, will it fly, will it not, (I write this before Cassim) may not be the right image.

Anyway, there is a flaw, and that is: what if the bartenders refuse to do their thing? Impossible! After all it is to the students advantage to make sure the system works. Without that we may .. no not that, too difficult to contemplate, let’s not even mention it. Impossible: there are now a dozen trained bartenders. They are being paid for the job they are doing; they are doing a service for all of the student body and the school as a whole.

The organizers of the party have listed 4 bartenders for a 5 hour party. So impossible!

But possibly it turns out it was not at all impossible. It has already happened. At the last minute, several of the people who were supposed to work, for whatever reasons of their own, probably very justified, could not, would not, do their stint. Some could not work their whole shift, some just did not show up — and as a result there were too few people to stand behind the bar. Outside people had to be brought in.

By the time this is printed, twelve more bartenders will have been trained, thanks to the kind cooperation of Mr. Charles Alper, the general manager of the Athenaen. But however many bartenders we have, the problem will still be there unless we all pull together and do our thing. All of us, student consumers, legal, student bartenders and everyone.

The alternative, I understand, is too horrible to contemplate.

A bientôt,

Jean-Paul Revel

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THE CALIFORNIA TECH

October 17, 1997

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All of you know what the job of being ASCIT VP and BoC Chair entails, at least in some sense. First of all, the VP is the person who steps into Kohl's office in the event that he should be assassinated. Of course, this means that they shouldn't ride on the same plane, so if elected I'll try to make sure that never happens. (I'd like to avoid any part that involves Secret Service agents, though.) But by far the more demanding part of the job is the position of Board of Control Chair. The BoC chair is charged with overseeing the workings of the Board, running preliminary investigations, mediating hearings, and generally administering all the things that need to be in place for the Board of Control to operate. Most of these duties are shared jointly with the Secretary—they are the two members of the BoC who do not vote, preliminary investigations are generally done by the Chair and Secretary, and most of the other, smaller duties are shared in some way. So I have already had experience with almost all of these; as Secretary I've been doing them for some time, and since mid-September I've been filling in for the Chair. I know the job and I can do it well. (Hell, I've even got the paper shredder in my room.) I think that another portion of this job is often forgotten, though. The BoC Chair is, in some sense, a representative of the Honor Code to the faculty and administration. Just as house representatives are probably the most visible aspect of the BoC in the undergraduate community, the Chair is the person the faculty usually deal with. The Chair and Secretary jointly are representatives of the Board's decision to the Deans after the resolution of a case, and the Chair is the person who deals with explaining (any disclosed parts of) the results to faculty. I feel that I could do this well; I already do part of it. So why do I want to do this? The BoC Chair does a lot of work; it's a large time commitment. I want to do it for the same reason that I ran for Secretary—I think that the Honor System is the best thing Caltech has to offer. It is what allows us all the freedoms and privileges that we enjoy; at the small cost of giving foresight and consideration in return. I want to be able to do the most I can for the Honor System and to try to help it work smoothly and well for the rest of the community. I hope that you will consider allowing me to do it from the position of Chair.

Robert Saliba for BoC Chair!!

Friends, Teachers, Undergrads. I run for the office of BoC Chair. In my heart, I do this not to run the everyday business of cases and violations. Although I have experience as a Board member in handling all stages of Board investigations, I get no satisfaction over "nullifying" advantages. Rather, I want the Board to grow from a disciplinary body to a true advocate for a stronger, more vibrant, Honor Code. I stand for more open BoC business meetings, more open discussion about how the Board goes about administering the Honor Code, and more open communication between the Board of Control and the undergraduate community which it serves. I want to make the Board a vehicle to the administration about the Honor Code implications of campus policies. I want to see better, clearer, collaboration policies. I want to see saner rules on house parties and pranks. I want the Board to at least discuss openly questions about the coexistence of the Honor Code with some of the more abrasive administrative decrees. As far as the ASCIT VP position, I think that ASCIT needs to spend more effort soliciting money and support from alumni, needs to be more representative of the student viewpoint in campus politics, and should help the student houses deal with the administration. If you want what I want, vote Saliba for BoC Chair.

Don't forget to vote!

The ASCIT Election will be 10 a.m. — 10 p.m. Tuesday in your house's lounge.

CHURCHILL SCHOLARSHIPS
Campus Deadline: Nov. 12 @ 12 Noon

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To ensure that Caltech's alcohol policy is effective, paid, trained bartenders must now be used at every registered event where alcohol is served. In order to obtain alcohol, students must prove they are 21 or over by showing their official ID's (not a Caltech ID but a driver’s license or acceptable substitute) to the bartender. The bartenders will provide only one drink at a time to those of age.

Last year a student, faculty, staff committee was formed by Student Affairs to review Caltech's previous alcohol policy and to consider the effectiveness of its implementation for students. The committee met with Caltech's lawyer, the IHC, and the ASCIT BOD and talked among themselves extensively. It is clear that Caltech cannot serve alcohol to underage people, nor can we serve intoxicated people, regardless of age.

The committee struggled with questions of how best to insure that underage and intoxicated people are not served. After much discussion the committee recommended using trained, paid student bartenders. So far, over 20 Caltech students have participated in this training.

A committee has been formed to evaluate the success of this new approach. Their first task will be to come up with guidelines for the amount of alcohol to be purchased relative to the number of students of age at a party.

Barbara Green is the Associate Dean of Students.
Special effects creator speaks about The Fifth Element, other films

by Wei-Hwa Huang

In the year's first talk in the Computer Science Department's Computer Graphics Seminar series, Doug Roble, a software developer from Digital Domain, spoke on the topic of "Integrating Special Effects with Live Action Film — Computer Vision Techniques and Challenges" in the Earle Jorgensen building this past Wednesday.

Digital Domain is best known for its superior compositing and other special digital effects on such movies as True Lies, Color of Night, Interview with the Vampire, Strange Days, Apollo 13, Chain Reaction, Sgt. Bilko, Dante's Peak, Strange Days, Apollo, and other films as well as several award-winning Jeep commercials.

The company is also responsible for the "Terminator 2: 3-D" show at Universal Studios Florida.

During the talk, Roble divulged some inside information about the special effects in the upcoming James Cameron extravaganza Titanic and the upcoming Richard Gere thriller Red Corner.

Compositing is a commonly desired effect in many Hollywood movies. It allows different elements from within two pieces of film, filmed under different circumstances, to be put together on the big screen.

In the early days of filmmaking, this might have been restricted to split-screen or camera masks, where the camera basically had to stay unmoved while the parts are filmed separately. Later on, blue-screen/green-screen effects were used to add a character anywhere in the scene, but the camera still had to be held still or the filming had to be synchronized with motion-controlled cameras.

In the movies of recent years, however, directors want more control over the viewing angles, often expecting a special effect in a sequence of film where the camera is hand-held; from a helicopter, or moving in other ways that are difficult for a computer to simulate. Or, a director may want a fake scar to appear on a character's hand (which is moving in somewhat unpredictable ways), or a logo to be changed on a moving vehicle in the scene.

One might ask why the effects studio doesn't just alter the image to remove the jitters. The reason is that the 2,000 pixels by 1,000 pixels resolution isn't quite enough to satisfy directors if the image gets digitally filtered.

This makes the science of tracking very important. Tracking is a way to let the computer know where some object actually is, just from the information contained within the film, which then allow digitized effects to be added.

As can be expected, the best possible trackers are known as human artists, since they can account for millions of exceptions that a computer may have trouble with. However, getting humans to track and modify every single frame of a clip is very tedious, expensive, and time-consuming, and so it is desirable for some sort of computer aid. Roble, the author of the most commonly used tracking program in the industry, detailed the processes and the difficulties regarding what such a tracking program should do.

There are essentially two ways to attack the problem. The first method is to treat the sequence of film as a two-dimensional image, and use some form of image correlation to see where the desired object to be tracked appears in successive frames. This is non-trivial since the object may have changed perspective, size, orientation, or simply moved partially out of view.

The second method is three-dimensional; by noting the movement of certain reference points .. one may build a "digital model" inside the computer — this is the actual production method used for Michael Jackson's video "Ghost," which depicted a digitally animated skeleton dancing with the exact same dancing moves that Jackson used in a studio, with little white reference balls stuck all over him.

Roble went into moderate detail on what the difficulties and advantages are of each method, seasoning the session with actual anecdotes, such as the plastic balls used as reference points getting consumed in flame during the filming of Dante's Peak, or of daredevil surveyors measuring painted-black 55-gallon oil drums that were dropped on a glacier in British Columbia while hanging out from a helicopter. This, of course, was the preparation for the famous "Jeep under snow turns left at a stop sign" advertisement.

The seminar closed with the exploration of several yet-to-be-solved problems in the field, such as the ability to move a character without the aid of a green-screen, or on improving existing 3D reconstruction methodologies. The Seminar was hosted by the Multi-Res Modeling Group at Caltech.

Oh, and word has it that Titanic will have completely digitized people interacting with live actors ...

If you have a passion for technology and a desire to implement change, consider a career with Deloitte & Touche Consulting Group.

Deloitte & Touche Consulting Group cordially invites you to our on-campus reception and information session on

IT Consulting in the Athenaeum on Thursday, Oct 23 from 4 - 6 pm.

Campus interviews will be held on Thursday, Nov 6. Please sign up with the Career Development Center.

A scene from Dante's Peak showcases special effects by Digital Domain.
A.S.C.I.T. Minutes
13 October 1997

Present: (at some point): BoD (minus Mike A.), Myfanwy Callahan, Owen Affreth
(This week Mike A. = Mike W. and Mike W. = Mike A. Huh.) Alex Ibler is still the temporary VP/BoC Chair.

Meeting opens at 22:40.

Dealing With Guests
Myfanwy — Picks up the check for the Ballroom Dance Club. Tangos right out of my life.

Officer Reports
Baldeep — Getting started on the UROH. Later this term, will organize the BoD having dinner in all of the houses so that y'all get to see our smiling mugs. Working with Kiran to organize a BoD turnover retreat.

Kiran — The wire drop to put the copier on the card system is done. The next step is finishing implementing his little master plan is to get a card reader installed. An article about the state of student bartending may appear in the Tech soon. As for the van, we're waiting to see how much demand there is for the new Student Affairs van before deciding whether to sell or trade the old girl.

Adrienne — The ASCIT Halloween Party will be Saturday, November 1 somewhere at Tech. Get your costumes ready. There will be donuts on the Olive Walk sometime after midterms. The Caltech Y and the GSC are supporting jazz concerts in front of the Red Door. They have requested ASCIT funding. Adrienne is on top of that action.

Lori — The Dean will be eating in Ricketts first during his whirlwind tour of Tech dining facilities. The Ricketts waiters may make an exception and extend dinner to six minutes because of this unexpected honor. The IHC is meeting Thursdays at 23:00 in the ASCIT/IHC office (SAC 64). The Alumni will be holding a career panel in Fleming in late November. Lori is working on setting up a senior formal which would be a sort of training session for polite society.

(Ownen and Myfanwy come in, give Lori some cash, smirk, and split. Somebody poisoned the waterhole!)

John — Kim West allocated us $300 a term for Friday donuts. Be behind (in front?) of Winnett at 08:00 on Fridays to get in on the action. ASCIT needs a new computer. The one we got is slow. It would be convenient to be able to have our own web server and to unify corporation finances. Lori and Mike W. will meet with Rick Fagan of ITS to look at our options. The inventory of ASCIT property is still in progress. So much crap, so little time.

Mike W. — Setting up the election for VP/BoC Chair. Statements will be in this Friday's Tech along with the bylaw change proposal. The election will be held on Tuesday of next week. The BoD will be meeting with so soon to be President David Baltimore on Wednesday, November 5 to discuss undergraduate issues.

Alex — Keeps badgering Mike W. about the election. Alright already. I'll put up the damn bylaw proposal. Just get your foot off my throat you honky mofo.

(Steve Michaels drops by looking for his keys. What a hunk.)

Kohl — Really likes the word honkey and is slightly less hunky than Steve. Everybody should come up with agendas for their office for the rest of their terms and think of issues to bring up with Dr. Baltimore. The Student Affairs has asked Kohl to suggest some student representatives for the DAPC (pronounced "suck") committee. Kohl is nominating two undergrads for the sexual harassment committee. Adjudicate - to settle judicially. Henceforth the BoD will meet at 22:00 in the ASCIT/IHC office (SAC 64).

Meeting adjourned at 00:30 or so.

Respectfully submitted,

Michael D. Astle
ASCIT Secretary

Announcement For Applications:

Intel Foundation Women in Science & Engineering Scholarship

Objective:
The Intel Foundation seeks to support science and engineering education, and to encourage the entrance of women into technical careers. This highly competitive undergraduate scholarship will be awarded to 1 or 2 students at each designated university who have demonstrated academic excellence and an interest in computer science and/or engineering. Consideration will be given to the overall impact of the award for each applicant.

Provisions:
- Scholarship covers tuition, fees, and book allowance
- Summer internship of 10 weeks or more offered by Intel Corporation (subsequent internship opportunities based on performance).
- Annually renewable through the student’s fifth undergraduate year
- Intel Mentor assigned
- Not transferable to other institutions

Eligibility Requirements:
- Female
- Sophomore or junior eligible
- U.S. Citizen or permanent resident
- Computer Science, Electrical Engineering, Computer Engineering, Chemical Engineering, or Materials Science major (enrolled full-time)
- Minimum cumulative GPA of 3.0440 (B)

To Apply:
Applicants must complete an email application and a short (300) word essay; university and/or high school transcripts due by surface mail. Transcripts available in Registrar’s Office.

Contact: Ms. Lauren Stolper
Fellowship Advisor
Student Activities Center
x2150

Deadline: Friday, October 24, noon
known for the fact that he has made his fortune through investment alone; unlike most other billionaires, he has never been involved in a particular industry or corporation. This year’s DuBridge Lecture is co-sponsored by Aurora Capital Partners, Avery Dennison, Crutzen-Roth Inc., Edison International, Independent National Mortgage Corporation, the Los Angeles Times, Northern Trust Bank of California, The Parsons Corporation, Thompson & Company Insurance Services Inc., and United Airlines.

The worst offender on this page is probably me, and I'm just one person among others in this column. If I can still be considered a writer, then I should not only apologize for my mistakes but try to make the world a better place by showing that I can write better. My goal is to improve my writing skills and communicate my ideas more effectively.
Caltech Women's Junior Varsity Volleyball Road Trip

Kara Swedlow and the rest of the Flens on the JV Volleyball team showed Celeste Yang of Blacker House what happens when you count Flens. Photographs courtesy of Lisa van Hooser, a neutral observer. GO BIG RED -ed

1. Running

2. Grabbing

3. Ponding
The Apathy continues.

The Apathy continues, as well as campus to start talking.

something we must know over this campus, in house current events. From there, outside.

There are newspapers all ideas and theories, if only we would tell them:

and reading. A good way to begin keeping up with the world outside is to read the

This puts our politicians in the unfortunate position where concerns for their constituents have to take second place to the concerns of those who can afford to pay for television advertisements. And so the concerns of their constituents over the trade dispute with Japan, or worker safety issues, or union regulations, must take back place to the concerns of the automakers, the factory owners and the A.F.L.-C.I.O., as these are the organizations which can help a candidate become known to the state.

The way elections are run now, money makes more of a difference than the politician's views or moral stature (The debate over whether moral stature should be considered when deciding about a candidate is one I will leave for now.) The problem is simply this: to acquire someone's vote, they must first have heard you. Since this is a nation that no longer reads its newspapers, one can only be heard by advertising during the hours when many, many Americans are mesmerized in front of their televisions, watching the trials and tribulations of Tim Allen and Bart Simpson. Thus politicians are forced to rely on contributions from large donors in order to perpetuate their stay in office.

And, of course, to say

William Lloyd Garrison once wrote, "I will be heard!" While social upheavals like slavery shaped his century, and the politics of war shaped the current one, the 21st century dawns with the age of Information. Caltech needs to remain a pioneer in this new era, and this will take action, not apathy. We need to become aware, form opinions, and join this great debate of ideas, so that we may be recognized as more than "that science school."
Men's soccer puts up fight against Pomona-Pitzer

BY RON DOLLETT

The Caltech men's soccer team, ranked as high as 4th out of the eight teams in SCIAC, headed into a challenging week culminating in Saturday's game against a tough Pomona-Pitzer squad.

There were some changes in the roster coming into this weekend's game. Jorge "Pala" Palamara made his debut as a great playmaker, Brian Frazier replaced Greg Frickle in goal as Frickle took leave from the squad, citing injuries that could jeopardize his baseball season. Frazier provided a lot of veteran leadership and excellent goalkeeping on the field, including a great save across the defensive wall into his own net.

Also, Brian Frazier replaced Greg Frickle in goal as Frickle took leave from the squad, citing injuries that could jeopardize his baseball season. Frazier provided a lot of veteran leadership and excellent goalkeeping on the field, including a great save across the defensive wall into his own net.

Caltech surrendered three goals in a span of four minutes in the first half, but staved off the Pomona-Pitzer offense by aggressively defending passes in the middle of the field. This stalemate continued into the second half until the defense appeared to break down again and another string of three goals were scored in a short time.

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I'M STARTING A MUTUAL FUND FOR INVESTORS WHO AREN'T BRAVE ENOUGH TO KNOW THEIR ALTERNATIVES.

THE DOGBERT MUTUAL FUND

SO MY STRATEGY IS TO USE YOUR ENTIRE INVESTMENT FOR MY PERSONAL EXPENSES AND SEE WHAT HAPPENS.

HAS THAT STRATEGY EVER WORKED BEFORE?

YOUR FUND IS THE HIGHEST PERFORMER OF ALL TIME.

I'M NOT SO SMART, BUT I DON'T APOLOGIZE FOR HIRING THE BEST.

I TRY TO STEER CLEAR OF INTELLIGENT INVESTORS.

HERE'S MY LIFE SAVINGS.

COO YOU WANT MY NAME AND ADDRESS?

NO, I TRUST YOU.

I'LL JUST COMPARE MY FUND'S PERFORMANCE TO THE S&P 500 UNDER A COMMON SET OF ASSUMPTIONS.

IF YOU DID OUR DODGEBUSINESS UNDER A COMMON SET OF ASSUMPTIONS, TEN PERCENT BETTER THAN THE S&P 500.

IT'S REPORTED THAT YOUR FUND IS THE HIGHEST PERFORMER OF THE DECADE. TELL US HOW YOU MADE THAT HAPPEN.

APPARENTLY, THIS GUY WILL READ ANYTHING YOU HAND HIM.

OKAY.

ARE YOU TIRED OF EATING THAT OLD BURGER OF YOURS AGAIN? LOOK HERE IS SOMETHING NEW, MONGO FRESH BBQ. YOU CHOOSE WHAT YOU WANT, WE HAVE 4 KINDS OF THICKLY SLICED FRESH MEAT AND 14 KINDS OF FRESH VEGETABLES THAT ARE IN PERFECT COMBINATION, AND WE WILL COOK IT THE WAY YOU WANT. NOT ONLY THAT, WE USE NO MSG, NO LARD, NO MICROWAVE OVEN, NO ARTIFICIAL FLAVORS. SO WHY DON'T YOU COME BY AND FIND OUT FOR YOURSELF, HOW GOOD WE ARE.

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PRESENTATION

| DATE:     | THURSDAY, OCTOBER 30, 1997 |
| TIME:     | 4:00 PM                    |
| PLACE:    | 101 WATSON LAB BUILDING    |

UNDERGRADUATE INTERVIEW DATES

Fixed Income Sales and Trading Thursday, January 22, 1998

Contact career services for resume drop dates.

For more information about Credit Suisse First Boston, visit our website at www.csfb.com.
The Tuesday of each month from 10 Sparrowgrass Policy Forum returns to the office assistant. for 6 afternoo n hours eac h line is
not
 hopeful. Eligible candidates may be accepted for a period of study or re- search at a Swedish educational institu­ tion or agency and show evidence of finan­ cial need. The completed application forms must be re­ ceived by April 15, 1998.

Graduate students for Women and Minorities in the Physical Sciences are offered by the National Physical Sciences Consortium to graduating seniors who are female or a member of a mi­ nority group for 13. level study in At­ homony, Chemistry, Computer Science, Geology, Material Sciences, Mathemat­ ics and Statistics. For more informa­ tion contact (800) 508-8690.

The Howard Hughes Predoctoral Fel­ lowships in Biological Sciences, for se­ niors and 1st year graduate students, have been received from the American Academy of Arts and Sciences. Application forms can be found on the web at http://fellowships.nat.s.

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denotes a new announcement.

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