At the gray sky and the light sprinkling of rain, Caltech kicked off its five-year, $1.4 billion fundraising campaign on October 25th with a live band and bots d'oeuvres galore. The big white tent that had for a week occupied the north fields was transformed into a wonderland of lights, tunnels and Caltech logos. The invitational-only Caltech Campaign Celebration played host to such campus greats as Gordon and Betty Moore, Eli Broad, David Baltimore, Benjamin Rosen and many other distinguished alum and faculty. Despite the recent $600 million gift from Gordon and Betty Moore and their family foundation, more money is necessary for Caltech to remain at the forefront of scientific research. According to Baltimore, "Without the best labs, equipment and instrumentation, we cannot hope to attract the very best scholars and students to campus." With the $1.4 billion, approximately $800 million of it will be committed to people and programs, which includes fellowships, scholarships and faculty funds. $400 million is slated for buildings and $200 million for equipment. Among Caltech's plans is to build a telescope three times larger than any in existence and to create a Center for Plate Boundary Studies. Right now, over $800 million dollars has been pledged toward the ultimate goal.

**Campaign Launches with Celebration**

By TAMMY MA

Despite an opening budget more than 60% dependent on federal funding, Caltech is eligible to continue to receive appropriations in the wake of an ongoing delay in Congressional budget appropriations, Vice President of Business and Finance Al Horvath said last week.

Budget negotiations ground to a standstill last month over opposing education and defense spending initiatives. California, representing 1% of the nation's population, does not want another three-day—more than a month beyond the previous year's budgets—that Congress will not continue funding for the next fiscal year.

The move leaves Congress with a projected $159 billion deficit, down from a surplus of more than $100 billion in 2001 and more than $200 billion in 2000. It is in the largest spending deficit since 1994, and that, Democrats and Republicans will be coming weeks over education spending for fiscal year 2003.


Continued on Page 2, Column 3

**Advances Aid Research Amidst Federal Delays**

By ROBERT LI

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Continued on Page 2, Column 3

**Panel Sets Off Honor Code Talks**

By TAMMY MA

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

Given the lingering vagueness of the Honor Code at Caltech, student leaders in conjunction with administrators staged a panel discussion last Thursday on "The Role, Philosophy and History of Caltech's Honor Code." Panelists members present included John Choi, Graduate Review Board chair, Vice Provost David Goodstein, professor at Caltech for 35 years; Jason Hickey, `85, instructor in computer science; Ted Jou `03, ASCIT President; Vikram Mittal `03, BoC chair; and Phil Naecker `76.

Each member began by sharing his perspectives and an interpretation on what the Honor Code is and what it meant to him. Responses ranged from describing the Honor Code as a system of respect to a character-building exercise to a bond that unites us as scientists. "To me, the honor system is intimately tied with science. As scientists, we expect honesty and truth. It's the same at Caltech. The Honor Code gives us lots of freedom and is not necessarily true in the outside world," explained Hickey.

Said Naecker, "the honor system is about not having rules. We're all smart people." He went on to say that the system works because it is a community-wide structure that everyone respects and tries to follow.

Jou explained the Honor Code by calling it a system of student governance where students police themselves rather than dependence on interference from administrators. For example, students are allowed to pull pranks, but when something breaks or someone gets hurt, the person concerned must take his due responsibility. Through this, many conflicts can take care of themselves.

Although other universities have tried to emulate Caltech's honor system, the panelists felt that the arrangement here is unparalleled. For example, at Cornell, it is a student's leaving his work where another may be tempted to copy constitutes a violation of the school's honor system At Caltech, this would seem absurd, because our Honor Code is based on a system of mutual trust by which everyone agrees to abide—not just a select few.

John Choi explained the impact of the Honor Code to graduate students. "Most graduate students come from other places without the Honor Code. Usually, their first eye-opener to its significance is as TA's for the undergraduates. It is easier for the undergrads to grasp, but more confusing for the TAs. It is not applicable in many classes, so the academic aspect is not as clear. But it makes science much easier and pleasurable."

Others also praised the Honor Code Continued on Page 2, Column 3

**Biologist Lester Lays Out Nicotine Research**

By JON FOSTER

"Talking about your own research is like buying a new computer," quipped Henry Lester, instructor in biology. "You always want to wait another six months for the next big thing." Many of the interesting parts of Lester's talk on Wednesday were discoveries which seemed so close. His talk, entitled "Response to Nicotine," "Drugs and the Brain," it was no surprise that Lester gave a very thorough description of how nicotine reaches the brain, aided by the ammonium hydroxide that Lester showed to be an ingredient in Marlboro ciga-

Continued on Page 2, Column 3
Senator Paul Wellstone was killed in a plane crash last Friday in northern Minnesota along with his wife, daughter and five others. Senator Wellstone held a key Democratic seat in the US Senate and was in a tight re-election campaign against Republican challenger Norm Coleman. Many politicians, Democrats and Republicans alike, have expressed grief over the tragedy, including President Bush, who described Wellstone as "a man of deep convictions. He was a plain-spoken fellow who did his best for his state and for his country."

Washington Area Sniper in Custody

The Washington area sniper suspect, alleged to be responsible for killing 10 people and wounding three, was caught last Wednesday and is currently in police custody. The suspect, John Muhammad, a Gulf War veteran, along with John Lee Malvo—who police accuse of aiding Muhammad—appeared last Friday night as demands were made that they face the death penalty.

Police found the suspect after searching his car, a 12-year old Chevrolet which had its backseat removed to allow someone to lie flat in the car with a rifle to pick off victims. The suspect had actually drilled two holes through the back of the trunk of the car so that he could shoot through the muzzle of his rifle, the other to allow him to sight his victims.

No Caltech Left Behind in Budget

CALTECH HONOR CODE DISCUSSED IN PUBLIC PANEL

By SAM HSUHNG

In believing that the suspect’s vehicle was a white van, police actually pulled over the suspect twice for traffic violations, but failed to search the car. Police now claim they have ample evidence linking Muhammad to the crime, including bullet casings that link the bullets found at each crime scene to his gun.

The arrests have ended a week of terror in the Washington area. Schools have resumed normally and motorists now fill up their cars at gas stations without fear.

"Special Substance" Ends Chechen Crisis

Approximately 40 Chechen rebels, including 10 women with explosives strapped to their chests held over 700 hundred people hostages last Thursday. The rebels, who took control over a packed theater only three miles from the Kremlin, threatened to start killing hostages if Russia would not withdraw its troops from Chechnya within a week.

Finally, early Saturday morning, Russian special forces stormed the Moscow theater killing their leader and successfully freed the captives, using what President Vladimir Putin called a "special substance" to kill the rebels. Up to 20 bodies were seen being moved from the theater after the fight, some of them hussages. However, the situation remains in a flux after a Russian surgeon admitted Sunday that the police had used a brand of anesthetic questionable under UN chemical weapons regulations.

No Caltech Left Behind in Budget

Continued From Page 1, Column 3

Beckman Auditorium plays host to Wednesday’s Watson Lecture, which saw Instructor in Biology Henry Lester outline his latest research on nicotine’s effects on the brain. The theory is that in the hyperactive mice, over-stimulation of the dopamine produces reactions in their death, a condition called excitocixity. Nicotine’s obertainty and history make it an ideal drug for study and the debate being made by biologists like Lester will have wide implications for how we deal with drugs and diseases in humans. The next “six months” in this field could be very exciting.

Paul Wellstone Killed in Plane Crash

Democratic Senator Paul Wellstone of Minnesota was killed in a plane crash last Friday in northern Minnesota along with his wife, daughter and five others. Senator Wellstone held a key Democratic seat in the US Senate and was in a tight re-election campaign against Republican challenger Norm Coleman. Many politicians, Democrats and Republicans alike, have expressed grief over the tragedy, including President Bush, who described Wellstone as "a man of deep convictions. He was a plain-spoken fellow who did his best for his state and for his country."

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No Caltech Left Behind in Budget

Continued From Page 1, Column 3

a decade that saw education spending rise from $17 billion in 1990 to an 18.5% increase approved in Bill Clinton’s final year in office, the No Child Left Behind Act seemed to forecast an administration “spending freeze” strategy that didn’t bode well for K-12 educators.

However, organizations like the National Science Foundation, the National Institutes of Health and the Department of Energy—two of the major users of the federal funds that come to Caltech, the budget problems in Washington has not affected Caltech in any way nor is it likely to. According to Horvath, Caltech re­ mains unscathed from these troubles because the federal funds that come to Caltech, most are research grants from various agencies.

These fund a significant part of Caltech’s re­ search and are very important financially. In addition, there is also financial aid of various forms received and passed along to the students.

Despite the importance of federal funds to Caltech, the budget problems in Washington has not affected Caltech in any way nor is it likely to. According to Horvath, Caltech re­ mains unscathed from these troubles because the federal funds that come to Caltech, most are research grants from various agencies.

When asked if other universities were hav­ing financial troubles, Horvath explained that “we are not connected to [the] federal government so much that our project is not going to be done as to whether or not students truly follow the code.”

WAXBATS wrapped up the discussion by asking the Caltech community what it feels can be done to make the system work.

Biologist Details ‘Staub Tails,’ Ion Channels in Tobacco Talk

Continued from Page 1, Column 5

World News: Senator Killed, Sniper Caught, Hostages Freed

By SAM HSUHNG

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Choose AT&T for Long Distance when you sign up for local phone service. Then call 1 877-COLLEGE to add the AT&T One Rate® 7¢ Plus Plan and get up to 4 hours of FREE calling.
...AND I NEED IT THIS AFTERNOON.

FORGET IT! I'M A SHORT-TIMER.

I PLAN TO SIT IN THIS CHAIR AND NOT MOVE MY ARMS OR LEGS FOR A WEEK. AFTER THAT, I'LL NEVER WORK ANOTHER DAY!

I HESITATE TO ASK THIS, BUT I HAVE AN ITCH IN AN ANNOYING PLACE.

I THOUGHT I'D DIP OVER TO CUSTODEL TO BUY CANDY FOR HALLOWEEN, NOT BY YOURSELF.

DON'T BOTHER TO SEND YOUR SONS TO CUSTODEL. THEY JUST SEND A BUNCH OF THINGS WE DON'T NEED.

YOU NEED NICE SUGAR FOR YOUR SONS TO SELL ON SEASONAL HOLIDAYS.

YOU SHOULD THINK ABOUT SUGAR IN YOUR FOOD.

I AM NOT SUGAR!

THAT'S A COMBINATION THAT'S GOING TO MAKE ME A VERY GOOD SCIENTIFIC SPACE.
Maie-female Ratio Red Herring In Debate Over Gender Equity

BY SARAH HEILSHORN

Two weeks ago, I noticed an article blaming Caltech’s male-female ratio on student and faculty gender issues on campus. While I agreed with the author’s analysis, I noticed that the social impact of the gender imbalance is a very real thing. In light of this, I believe that the author’s suggestion of a “swing vote” meeting whereby students will be a nice addition to the curriculum. I believe that the solution to this problem is to reframe the ratio oversimplifies the problem. Also, students seem to be among the largest proportion of the student body. However, it doesn’t seem to me that expanding the ratio because it takes away their responsibility for social and gender issues, but rather a reflection of the fact that more women don’t apply to Caltech and that admission often decide not to come here.

However, I was an undergraduate at Georgia Tech, a school with a ratio of 50/50 and I simply didn’t notice the same types of social and gender issues there.

What makes these two campuses different? I have three possible explanations. First and most obvious, the work load expected of students at Caltech is much heavier than for Georgia Tech students. I think it’s a positive development that the overaching of Caltech undergraduates has been getting some attention. Most undergraduates meet over time and to stay competitive, and have periodic quizzes on their education, and I believe it is important to spell over into other aspects of their lives.

For those of you who are not used to “surfing mode” and you don’t spend much time thinking about how to make Caltech a nicer place or how to be more gender sensitive, I would like to mention a few things that need to be changed.

However, I believe that attempts to bring about these types of changes on campus would be met with a backlash of non-majority groups. All entries must be peer-reviewed in order to publish. After you’ve been admitted to Caltech, you could come up with a few ideas to create places on campus where women could feel more comfortable socializing together.

“I think that simply blaming the ratio oversimplifies the problem.”

However, I believe that attempts to bring about these types of changes on campus would be met with a backlash of non-majority groups. All entries must be peer-reviewed in order to publish. After you’ve been admitted to Caltech, you could come up with a few ideas to create places on campus where women could feel more comfortable socializing together.

One problem is that this ratio is much higher than most of the other major universities in the country. As such, the committee will also be responsible for examining the required curriculum and the requirements for the core and core programs. This will help students and graduate students from a particular option or division.

The goal of the curriculum is to improve the support network for undergraduates. This will also work to help students and graduate students from a particular option or division.

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All Tricks, No Treats

BY JEAN-PAUL REVEL

However, why he shot at 13 people and killed 10 is still a mystery. Perhaps these assaults were "copy cat" acts encouraged by all the other terrorist acts taking place around the world? Maybe the killers gained a sense of power by evading police. FBI, other federal agencies, their surveillance helicopters and phone stake outs, by dogging the authorities on the lookout at first for a white van when the getaway car was actually burgundy and had holes cut out of it so one could shoot from the inside.

But while this case may be winding down, the horror of terror never seems over. From Baltimore now comes the news that not "just" a mother and her children were burned to death, but that the dad also had died a few days after a drug dealer took revenge by fire-bombing a family unwilling to have drugs plague their neighborhood.

And terror continues torench the world; now it is the seizure of a theater in Moscow where Chechens or Chechen sympathizers took hundreds of hostages and killed one apparently for the evil of not talking on her cell phone and attempting to escape. The New York Times Web site has a frame from an Al-Jazeera video with the picture of one of the hostage takers quoted as saying, "we came to the Russian capital to stop the war in Chechnya or to die for the sake of God." Is that a familiar ring to it, I understood that some of the people who have been suspected of links to the perpetrators of the September 11 outrage had said that they were preparing to help the Chechens.

I just came across images of large gatherings in Australia where 100,000 was a national day of mourning for the nearly 100 Australians killed in those bars on Bali. Terror in Bali, this fabled isle of exotic beauty, which, in my mind's eye, is populated by languorous people right out of Gauguin's paintings?

Peace seems to elude us everywhere. We feel sufficiently threatened by Iraq that our government insists on threatening a preemptive war; never mind if only the Brits are willing to along with us. From the other end of the axis of evil comes the revelation that North Korea has been doing all along what they had been denying for years.

Just why this confession is made is not clear. Why should we believe that what they now say is the truth and what was claimed before lies? Can they not be up- playing pressure by lying now?

The "confession" certainly raises our concerns for South Korea with its sunshine policy towards the North and neighboring—rocket in- wise—Japan. Both could be on the receiving end of bomb-tipped Taepo Dong 2 missiles. Maybe we'll be willing to make concessions to avoid a nuclear horror.

Like the figure in "The Cry," the famous Edward Munch painting, which is being shown in Europe, hearing about it all, the Israeli threats to throw out journalists, the conflict between Israelis and Palestinians, the seemingly never ending political and psychological situations in Ireland and the Basque country, the drug wars in Columbia and the disputes between Pakistan and India. All these public catastrophes built of personal catastrophes beside which the stock market's wild oscillations are nothing, even though they threaten the future of so many remories.

And now we hear that that newly fallen icon, Martha Stewart, is being sued by the FBI. Martha Stewart is also being indicted for allegedly violating their patented pumpkin carving kit. It does make one want to scream.

But there may be better things to do than scream when things go wrong, when we are faced with such mountains of stress piled on top of all the daily stresses closer to home, which do not reach the visual horizon.

Counseling Center. Midterms are coming up! More stress on the way. Make sure that you spend time with loved ones, don't try to tackle too much at once; just circumspect in how you manage your time. Be thoughtful lest you take advantage of your fellow students. May your bag end up full of treats.

A biennial.

Letters: Cafe at Broad, Gun Training Questions

Board Plan Clarifications

Dear editors,

I wanted to clarify some of the statements in the article "Checkout Counter, Limited Hours Mark New Board Plan" by Rum Chumra and L. Li as well as give you some more information. Open Kitchen in the North Houses are open from 10:30 a.m. to 11:30 a.m., but closed during South Kitchen's hours. The North kitchen is open for lunch 11:30 a.m. to 1:30 p.m., not 12:30 p.m. as stated in the article. "Cafe at Broad" is located in the North Broad building. They are open for lunch 11:30 a.m. to 1:30 p.m. It is busy for about a 20- to 30-minute time period starting at noon and slowing down by 12:30. The most popular items are "spicy" pasta, along with the special bottled sodas. There are retail "grab and go" items in the retail refrigerator for students who are in a hurry. We carry bottled drinks and "grab and go" items in the retail area.

Thank you,

Melissa Wetnagel
Student Board Program Manager

Gun Training Concerns

Dear editors,

I would like to express my dis- satisfaction and concern with this week's Tech that supported the donation of free passes for Caltech un- dergraduates to attend firearms training in Nevada. While I hesitate to adopt a "holier-than-thou" at-itude, I feel there are two things that aren't being mentioned. First of all, we are talking about a slightly deranged Charlton Heston may well tell you, guns are designed to kill things and to kill people. Guns, pistols and assault rifles—all of which you could write a book on—are designed to kill people. In fact, go to frontnigh.com and look at their brochure on gun training. Does it make you want to fire a few rounds? If not, you may want to consider taking a course. The course, upon completion, you will be able to safely and easily own a weapon. If you have a gun, you can go to your local gun store, and get a permit. But hey: it's up to you. If you want to go to Vegas for fun and hang out in the desert with a gun talking about killing people, that's your business. Please remember, however, that the world doesn't need any more violence and that if this camp were in some country where there were a majority of Muslims, we'd probably call it a terrorist training camp.

Marcus Williams '03

Letters: Cafe at Broad, Gun Training Questions


Some Traditions in Need of Scrutiny
Thoughtful Action Better Advised Than ‘Blind Tradition’

By JIALAN WANG

Tradition is one of the most important—and to some, one of the few—aspects of life as a Caltech undergrad to take pride in. We have Dutch Days, ASCiT doughnuts, inter-house parties and many, many house-specific traditions. Of course, many traditions are fun and harmless and we all enjoy them, but they can also be quite damaging.

The problem is that the current justification for perpetuation of a number of traditions is simply the fact that they are traditions. Such reasoning is just inadequate from whose future careers depend on astute attention and strict logic. All of our actions, traditional or not, deserve careful scrutiny every once in a while.

Of course, traditions and rituals were all men and wore dinner jackets every evening. In the very recent past, ASCiT hosted—

A while back, we were all men and wore dinner jackets every evening.

movies in Baxter lecture hall instead of having a theatre bought out for a film a time or two. But the food would be thrown away anywhere. Perhaps you might remember after the release of Arnold Schwarzenegger’s Collateral Damage was delayed and the Twin Towers scene was removed from Spie- derman 3, and in its trailers. To top it off, there was talk of changing the title of the second Lord of the Rings movie from The Two Towers. Perhaps we should be asking our- ourselves a very similar question: why did they do it? The duo’s motives have not been disclosed and may never be. For all we know, they may have spent these two weeks emulating Hol- lywood. How many movie sniper attacks have been released in the past de- cades? Enemy at the Gates and Sniper immediately come to mind, but many others have at least touched upon the terrorized world with being in a sniper’s sights. Even more notable is a Twenty-First Century Fox’s Pool Booth, a movie with what was thought to be a fantastic premise of an unseen sniper shoot- ing people in phone booths, post- poned due to the recent events.

“Our relative peace that we take for granted is nothing but a veneer over the real world.”

Now, does that seem familiar? Perhaps you might remember after the September 11 attacks when the release of Arnold Schwarzenegger’s Collateral Dam- age was delayed and the Twin Towers scene was removed fromSpiderman 3, and in its trailers. To top it off, there was talk of changing the title of the second Lord of the Rings movie from The Two Towers. Perhaps we should be asking our- selves a very similar question: why did they do it? The duo’s motives have not been disclosed and may never be. For all we know, they may have spent these two weeks emulating Hollywood. How many movie sniper attacks have been released in the past decades? Enemy at the Gates and Sniper immediately come to mind, but many others have at least touched upon the terrorized world with being in a sniper’s sights. Even more notable is a Twenty-First Century Fox’s Pool Booth, a movie with what was thought to be a fantastic premise of an unseen sniper shoot- ing people in phone booths, postponed due to the recent events.

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Cross Country, Water Polo, Soccer Teams Post Losses

Athlete of the Week

This week’s selection is Paul “the Wall” Wahl of water polo. The sophomore goalie racked up 18 blocks against a goal-oriented Chapman this weekend. “Chapman shot a ton of balls on goal Thursday and we were lucky to have Paul in the net,” said coach Dodd of Wall’s outstanding play. The water polo team plays on Pomona-Pitzer on Wednesday before heading to the SCIAC Tournament over the weekend.

Cross Country

At SCIAC Multi-Duals—five miles men, three miles women—the men lost, two to five and the women, one to seven.

Individually, Gustavo Olm ’06 placed 23rd at 28:33; Eric Anderson ’03, 27th at 28:47; J.R. Heberte ’04, 33rd at 29:30. Steve Berardi ’04, 50th at 30:01; David Gutschick ’03, 54th at 30:23; and Kristen Kiernan ’04, 83rd at 35:38.

For the women, Andrea Vasconcellos ’05 placed 36th at 19:54; Tamara Becker ’04, 29th at 20:09; Kamalath Chang ’05, 41st at 20:44; Kim Popendorf ’05, 57th at 21:13; Tracy Janov ’05, 76th at 22:56; Michelle Giron ’06, 81st at 24:56; and Kathleen Kiernan ’04, 83rd at 25:38.

Men’s Soccer

The men have been playing their best of the year and the gap is narrowing, according to coach Urbe. The Beavers played tough against both SCIAC opponents this week with a very narrow loss to Occidental. Look for a big game coming up against Whitman and La Verne.

Women’s Volleyball

The Lady Beavers traveled to Boston to take on MIT and Plymouth State.

PASadena, Calif.—When a university the caliber of the California Institute of Technology sets its sights on the future—it thinks big.

Caltech wants to build a telescope three times larger than any in existence, to create an unprecedented center to study the movement of tectonic plates globally, to explore the brain in action, to study protein structure and to initiate a number of other groundbreaking projects. Thus, the Institute just last Friday kicked off a five-year, $1.4 billion fundraising campaign.

“We want to find the big new opportunities in the intellectual world, the great unknowns. When you do something like this, you either go to things that are bigger and bigger or things that are smaller and smaller. So you go to nanotechnology or molecular structure, but at the same time you’re building telescopes to look out 14 billion years,” said David Baltimore, Caltech president.

Caltech fundraisers have recently received an estimated $800 million in gifts and commitments toward the $1.4 billion capital campaign. The effort is among the nation’s most ambitious for institutes of Caltech’s caliber.

Caltech kicks Off $1.4 Billion Campaign

Alumni mingled at last Friday’s “Galas,” marking the official kickoff of Caltech’s latest $1.4 billion capital campaign. The effort is among the nation’s most ambitious for institutes of Caltech’s caliber.

SURF presentations draw broad crowd

In a day-long event that drew parents, alumni and hundreds of researchers, the annual SURF Seminar Day bore witness to original research by over 300 students, from Caltech and abroad.

This year’s slate of SURF projects ran the gamut from “Searching for the cis-Regulatory Region of SpKrox1: An Endomesodermal Transcription Factor in the Purple Sea Urchin” to “Characterization and Cloning of Mutant Genes Affected in Melting Movements”.

Now in its 24th year, the Caltech SURF program gives undergraduates across the globe a chance to work closely with faculty members in conducting an independently designed research project. For a stipend of $5000, students collaborated with research mentors over the course of the summer and prepared final reports in the style of a Nature article.

But perhaps the capstone experience for SURF’s students was Seminar Day, which saw each deliver a prepared 15-minute technical presentation on his subject of research. Presentations ranged from the humorous to the profoundly technical, but all bore consideration from judges for the annual Perlall Speaking Competition. Finalists advance to later rounds over coming months, in which judges select winners for three cash prizes up to $500.