The California Tech

Baltimore receives Eddy Award

By Rumi Chhinda

On Wednesday, Nov. 14, the Los Angeles County Economic Development Corporation (LAEDC) honored President David Baltimore with an Eddy award at the annual recognition dinner. A celebration of economic development and excellence, the event is the sixth year for the Eddy awards, established to foster regional economic development, and honor those who do.

Caltech is a significant contributor to economic and technological development, particularly for the Los Angeles area; over half of start-up companies from Caltech stay in the greater LA area. Responsible for the licensing and transfer of technology from Caltech and JPL, the office of Technology Transfer makes Caltech stand out as a source of technological growth. Although only founded in 1995, the office has seen 70 new companies come out of Caltech. In addition, since 1980 Caltech has issued over 800 US patents, and in 2000 alone over 120 patents were issued. Dr. Baltimore's involvement with the school, and its contribution to the economy was honored, adding to his many achievements.

The Honorable Michael D. Antonovich, Los Angeles County supervisor, was also awarded at the banquet, for his work in developing many aspects of Los Angeles's economic market, by serving on transportation boards to air quality commissions.

The LAEDC is led by a Board of Directors, comprised of top business and community leaders dedicated to sustained economic growth for this region. Los Angeles has the third largest port in the world, making it a gigantic center for economic activity. Students and staff from Caltech, among many Los Angeles business community members at this year's event at the Hilton Hotel in Beverly Hills, to support Baltimore, Antonovich, and the LAEDC's mission to make the world a better place economically.

Caltech shows pride in international heritage

By Iram Parveen Bilal

This November, US schools, businesses and communities, along with US embassies around the world, are carrying out activities in support of the 2nd Annual International Education Week (Nov. 12-16). The week was jointly declared by the US Department of State and Department of Education.

Caltech is celebrating International Education Week for the first time and is incorporating a foreign film festival with the activities of the week. As many as six different cultures are being represented in the days from November 11-17. These include Italian, Cantonese, Russian, Korean, Indian and Iranian ethnicities. The remainder of the events will be held today and tomorrow.

Today at the Red Door Cafe, The Caltech C will present "Today's China - Culture, Achievement and the Future", which will be a poster presentation from 11:30-1:30pm and a noon concert by Lilian Wang, a Chinese classical musician playing the zither. In the evening at 8pm, OASIS (Organization of Associated Students from the Indian Sub-Continent) will host Diwali in the Beckman Institute Courtyard. This is the traditional Indian Festival of Lights.

There will be dancing, food and an art contest followed by the screening of the Indian film Pushpak at 8pm in the BI auditorium. On Saturday November 17, 2001, FICCI will hold a reception at 7:30pm in the BI auditorium followed by a screening of the film Silence in the BI auditorium at 8pm. Everyone is encouraged to attend the events to be enriched by foreign culture and language.

So far the events have been wonderful only enriching cultures, " encouraged Ms. Parveen Mabuchi, the Director of International Student Programs. The clubs that have already presented their events this week will continue to show their interest in learning about the world and its different cultures by attending such campus activities. Powell also vowed that there is no more valuable asset to America than the friendship of future world leaders who have been educated here.

Caltech International Week 2001 is sponsored by International Student Programs (ISP).

Watson Lecture: Quantum-classical transition on trial

"There are some things they don't tell you as you're growing up as a young scientist," Dr. Hide o Mabuchi, one of the slides shown during Dr. Mabuchi's lecture, confided at the opening of his Watson Lecture.

"Sometimes, instead of running out to the great frontier of science, you stumble across a little inconsistency. And sometimes, if you pull on that string of an inconsistency, everything comes tumbling down."

For the next hour and a half, Professor Mabuchi sat calmly on a chair on the stage in a gentle voice explained what he believes to be a fairly important problem in modern physics, and why he has dedicated the early part of his professional life to pulling on this little inconsistency and seeing if the foundations of modern physics would collapse around him. This conflict was the title of his lecture. "The quantum-classical transition."

Professor Mabuchi explained that these two subjects have been wonderfully dovetailing in recent years. These are the "wild frontiers" of physics, and according to this view the size range between quantum and classical physics (larger than an atom but smaller than a cell) is the "middle-class suburbia" of physics.

Nonethless, there are unanswered questions here, potentially extremely important ones. The traditional quantum mechanics are completely linear and contain intrinsic uncertainty. The fundamental theories of classical mechanics are highly non-linear and uncertainty is only a measurement of ignorance. Yet classical systems are made up of quantum systems joined together. How does quantum fuzziness give way to the sharpness of classical physics? How does the orderly nature of quantum mechanics become nonlinear? Why is the transition so universal? How are we to understand the role of measurement (a classical process) on a quantum system?

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TODAY: Harry Potter comes to a theatre near you!

TUESDAY: Hume speaks at Caltech
Hume to visit, speak at Caltech

by KEVIN BARTZ

As an Irish nationalist on the battlefield, he strode through tear gas and dodged rubber bullets, yet he also founded Northern Ireland’s leading nonviolent activist party. Throughout the 90s, he was chummy with both bomb-throwing terrorists and Britain’s quick-witted Parliament, but he also brought both to the table for a cease-fire. As a Catholic, he took the stage with a Protestant on the steps of City Hall in Oslo, Sweden to formally receive the 1998 Nobel Peace Prize.

Retired since this past September, John Hume brings over thirty years of peaceful politics with him tonight at 8pm to Beckman Auditorium, where he plans to share past experience and present outlook in “A Conversation With John Hume,” a public dialogue with award-winning journalist Kevin Cullen of the Boston Globe. The appearance marks the culmination of a two-day stay in California, where Hume will meet with students at the Caltech Y on Monday afternoon and LA Times editors later that night.

“He’s always been one of my heroes with the work that he’s done in bringing peace to Ireland,” said Robert O’Rourke, who spearheaded administrative efforts to bring Hume to Caltech. “We’ll all really be thankful he’s coming made today in Northern Ireland that he’s a very positive story of peaceful politics.”

The third in the yearly Lee A. Dubois Distinguished Lecture Series, Hume’s presentation features a conversational format targeting students seeking “a greater understanding of the whole process that’s taken place in Northern Ireland that’s gotten us as far as we are today,” in the words of O’Rourke. Previous speakers ran the gamut from billionaire Warren Buffett to media magnate Walter Kroncke.

Kevin Cullen, who has covered developments in the region since 1996, will delve into the conversation-answer session with a series of inquiries aimed at “charting out the peace process, charting his political year, and getting what [Hume] thinks now from his vaunted position of retirement.” A nationally respected authority on Irish affairs, Cullen has been guest to a butterfly walk during a visit over the last five years, in addition to opening the Boston Globe’s Dublin Bureau.

“Lots of it taking us will be just taking us through the whole peace process, looking at the results and just trying to get as many recollections as we can from experience over the past thirty years,” explained Cullen. “While John has retired, his party remains the largest nationalist party in Ireland, so we’ll be asking also about what the future holds realistically and politically for Northern Ireland.”

Hume’s roots in regional affairs extend back to 1980, when he founded the Social Democratic Labour Party, bringing together the various strands of nonviolent activists in Northern Ireland. And ten years later, amidst protest from his supporters, Hume stood trials with Gerry Adams, the political arm of the militant Irish Republican Army—nominations that culminated in a series of readings.

PLEASE SEE HUME ON PAGE 3

THE OUTSIDE WORLD

by William Fong

Anti-Taliban Forces Take Over Kabul:
The offensive launched by the Northern Alliance resulted in the fall of Kabul this week. Northern Alliance troops advanced onto the capitol forcing the Taliban to flee to southern Afghanistan. Reports as of Thursday suggest that the anti-Taliban groups have control of two cities to the north of Kandahar and are preparing to attack the Taliban forces in Kandahar.

Also on Thursday, eight Western aid workers were released from an abandoned Taliban prison. Local leaders contacted the International Red Cross and U.S. Special Forces took the aid workers to Islamabad, Pakistan. The workers had been held by the Taliban for three months on charges of promoting Christianity.

Jet Crashes in New York City:
On Monday, American Airlines Flight 587 crashed in a Queens neighborhood where all 260 people aboard and 5 people on the ground were killed. The American Airlines Airbus 300 took off from Kennedy International Airport and shortly after took off, the jetliner and rudder fell off are underway with speculation computing theory are predicting that large quantum computers could possibly be built in such a way as to maintain their quantum nature, in effect resisting the decoherence transition.

Will the decoherence theory turn out to make everything alright, leaving only a few little things to clear up, or is our picture of the world fundamentally wrong because of these problems with reconciling these two theories? Only time will tell, but Dr. Mabuchi and his group (as well as a handful of other scientists around the world) will continue to try to answer this question.

As Mabuchi put it, “Often times you find these problems which get to feel very personal,” and it is this immense desire to solve a problem that has led to new understanding in the past.

WHAT’S NEW AT THE Y?

- Noon concert: Wien Wang will be performing today outside of the Red Door Café. The performance will be complemented with an Exhibition of Today’s Chinese Art, co-sponsored with the Caltech C.
- Union Station’s Thanksgiving Day Service: Voluntary members of the Pasadena community in providing over 5000 meals to the homeless on Thanksgiving Day. Help with cleanup is especially needed. Contact bourbois@caltech.edu for more information. If you would like to help organize games for the children, please contact parukar@
- Joshua Tree camping trip after Thanksgiving: Enjoy hiking, relaxing, and spending a night under the stars. The trip leaves late Friday morning and returns Saturday night (11/23-11/24). Contact homann@caltech.edu for more information.
- Community Service Fair: November 30 from 11:30 to 1:30 outside of the bookstore. Talk to representatives of local service organizations and learn about opportunities to make a difference.
- The Caltech Jazz Band will be performing at noon on Friday, November 30 outside of the Red Door Café.
- Day hike Saturday, December 1 in the San Gabriels. Details about the hike will be made available after the event. Approximately 14 miles. Contact twong@caltech.edu for more information.
- Did you know? The Y funds club events that are open to the entire Caltech community. In addition to monetary support, the Y offers use of audio and visual equipment and barbeque grills. For more information, please stop in to "Subscriptions" or call (626) 395-8134. Please note that funding requests should be submitted no later than the month of publication. The preferred method is to e-mail tech@ugcs.caltech.edu and the body of the article appearing in plain text.

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HUME
CONTINUED FROM PAGE 2
mentioned in the text. However, if the student body voted for the policy, it would allow for power sharing between various factions, dismanment of the IRA and "a more lasting peace." And just last month, the IRA for the first time promised gradual disarmament, a "conversion of Hume's idea of getting guns out of Ireland," in the words of Cullen. "He's always been the architect of the Irish peace process, bringing Sinn Fein (the unofficial political wing of the IRA) in peacefully and quietly."

In a related vein, some pegged Cullen's visit as particularly appropriate to the backwash of America's own recent terrorist hijackings. His insight, said Cullen, "may be able to see how this all fell the light of Sept. 11th.""The timing for Mr. Hume's visit is very appropriate for the negotiations in Northern Ireland but also for our own security, for terrorism it faces," lauded O'Rourke. "After all, this is a man who's walked in this path many times in Ireland."

FROM
Meeting called to order at 5:09 pm.

General Meeting

The ASCIT BoD welcomes Marcus Williams as the new IHC Chairman, who is replacing Dana Vukajlovich. Marcus was approved of his appointment by the ASCIT ExCom.

Joe Fassler and Martha-Helene beef came to the ASCIT meeting via the Faculty Board conference. Of particular interest to undergraduates- Dr. Chris Brennan introduced a plan to formalize the procedures for dealing with grade disputes outside of the faculty board grievance committee.

Joe's Parking news. Dr. Balti more responded to the BoD's letter in an e-mail, mentioning the formation of the parking committee that will evaluate the prohibition on freshmen on-campus parking taking into effect next year. Response's from administration have been posi tive, but actions have not been taken to annul the policy. Joe plans to write an editorial in next week's paper's viewpoint section to underscore the underground population about the need for demanding more student representation in these and other decisions.

ASCIT dues to BoD. Paul Bell who serves on the committee for scholarships, the ASCIT dues have not been raised in the last 10 years to account for inflation. In light of increases in health insurance and possible tuition hikes in the future, ASCIT is conscious of the burden an inflation-adjusted fee would cause on the student. However, if dues were to be raised, the increased revenue would be diverted directly to clubs so that students could participate in more activities without having to pay club dues.

Clubs for negligent treasurers, secretaries, or presidents may be unable to put increasing the ASCIT dues to an undergraduate student body vote will be ongoing.

Todd enjoys getting donuts, and Martha-Helene likes donuts gotten by Todd. Eric Tutt has been paid for his work on the 2001 Big Ts, which have arrived for upperclassmen to work on, along with the publishers. Erik Dill has not yet been paid, and the 2000 Big T will be arriving by the end of this week, to be taken by juniors and seniors only. Also, the little t should be arriving in student mailboxes, following autographing by the editors, by the end of this week.

IHC update. A new IHC Athletic Manager has been selected [Sophomore Shane Arney for those who don't know-.]. Martha-Helene mentioned that she would like the IHC Ah Man to advertise and coordinate the purchase of varsity jackets, which ASCIT will subsidize as a service to UROH.

The Undergraduate Research Opportunities Handbook is a publication that lists research opportunities through the departments. Accordingly, the faculty will be solicited for potential lab openings for undergraduates, pending approval of a mass e-mail to professors by the Provost. As SURF applications will be on the minds of students, the UROH will be updated with new entries in the near future.

Abe has updated the budget, detailing the amount of money that is not being spent far the Stupelton administrition. Ted's social budget has been completely spent, as last year's formal was better attended than this year's. Most of the clubs have picked up their funding for each term, which may be a result of our new policy on penalizing clubs that pick up funding late. While Ted outlined the new policy as an incentive for clubs to be active each term, Martha-Helene opens the floor for evaluation of the penalty clause since the amount of money that we grant, divided over three terms, it already rather small. Penalizing clubs for negligent treasurer, secretaries, or presidents may be unfair. However, while half of the originally designated amount is granted to clubs that pick up their funding a term late, the other half ultimately goes to a different club since there are new clubs that form after our Budget Conference, that we also provide for. The total club budget remains constant and money that isn't picked up by one club is recycled and given to another one. Again, this debate returns to the question of whether or not we should dedicate more club funding to the clubs (possibly raise dues), since students enjoying their undergraduate experience should not have to worry about whether their club has enough money to pay for sheet music or uniforms, etc.

Meeting adjourned at 6:14 pm.

Evidently.

JPS: Midnight donuts were last night.

Sound alters activity of visual areas in human brain

Scientists at the California Institute of Technology have discovered that hearing can significantly change visual perception and that the influence of hearing on visual perception occurs at an early perceptual level rather than at a higher cognitive level.

Ladan Shams, a Caltech postdoctoral researcher, and Shinshke Shimizu, a professor of neurobiology, used systems at Caltech to report that visual signals are influenced significantly by sounds at early cortical levels that have been believed to be specific for the visual system. The team's initial behavioral finding was that when an observer is shown one flash of light accompanied by two beeps, the left visual system is tricked so that the observer sees two flashes instead of one. In the new study, 13 healthy volunteers were asked to observe the stimuli on a computer screen and judge the number of flashes they saw on the screen.

While the participants performed the task, their brains' electrical potentials were recorded from three electrodes positioned in the back of the scalp, where the early visual areas are located. The researchers found that when the participants perceived the illusion-in other words, when sound changed the visual perception-the activity in the visual areas was modified. Furthermore, the change in activity was similar to that induced by an additional physical flash. This suggests that the second flash, which is nothing but an illusion and is not due to a visual stimulus but rather caused by sound, invokes activity in the visual areas very similar to that which would be caused by a physical second flash. In short, sound induces a similar effect in this area of the brain to a visual stimulus.

The goal of this study was to get an understanding of how this alteration of vision by sound occurs in the brain. More specifically, the researchers wondered whether the change in visual perception is caused by a change in the higher-level areas of the brain or whether it is related to sensory conditions where the observers experienced the double-flash illusion. This suggests that the activity of the visual areas in the brain is affected by sound.

These findings challenge two traditional perspectives on how the brain processes sensory information. The first assumption is that different sensory modalities process information in different areas of the brain; vision is the dominant modality and hence not malleable by information from other modalities.

Another general belief is that the information from different modalities is processed in the brain in parallel and separate paths. The findings show that the visual information is affected by the auditory signals while being processed in the "modality-specific" visual pathway. These findings, together with earlier results in other modalities, suggest a paradigm of sensory processing that is more intertwined than segregated.
A Thousand Words

by Jillian Wang

As we enter the thick of the digital age, we are increasingly experiencing time as the per-petual present. Large fractions of our lives are now lived online, where the past is overwritten daily and transactions happen instantly. We, as Techers, are not only highly immersed in the digital world, but our analog lives are also lived on the fly from problem set to problem set. Thus, along with bringing about dramatic changes in our lifestyle, digital technology has fundamentally altered our view of time.

In the digital world, nothing remains the same for long. Moreover, things often change at super-human speeds, and in this incessant present, our only solace is the past. We are nostalgic for simpler, quieter, slower times, when there weren’t so many deadlines to meet, bills to pay, or emails to answer. Being in a time-centered people, we best revisit these times through photographs.

While words are to be read and then discarded, good photos are kept and framed and taped onto our walls and locker doors. There is a certain ritual to taking photos. We must purchase film, then load the film into the camera, take the photos, unload the film, process it, and then wait a certain amount of time before we can actually see the photos we made oh-so-long ago. Because this process is rather complicated and expensive, we usually only take pictures of momentous occasions, and the ones we do get are of some value to us. We may put photos in a shoebox somewhere and never look at them again, but we never throw them away. We treat photos as prized possessions, framing them and putting them in plastic sheeting to protect them, and showing them to dinner guests with pride. The photos themselves are relics, a defiance to the digital age.

But if photos are a symbol of the present, the taking of making a break from the present to reflect on the past, what do we make of digital photos? The only maintenance necessary for a digital camera is recharging the batteries and emptying the memory card once in a while.

Further, most pictures are never converted into analog form. They are just stored on our computers along with all of our emails and mp3s. It hardly takes any effort to take them, and we don’t think twice about deleting them. Thus, while digital photos are personal, the way we treat them is akin to the way we treat mass-produced wall calendars and posters. We keep them, but they are not really permanent.

While digital and traditional photos are superficially the same, they are part of two very different paradigms. Traditional cameras are a technology over a century old, and the photos they produce are used to preserve important moments in permanent form. Digital cameras use an essentially different technology to capture and store the images. We use digital pictures to put on our webpages and to email to friends, but we don’t view them as key mementos to be treasured and kept forever. The shift between the two technologies is symbolic of the shift in our whole conception of time.

Just as we purge past appointments and reminders from our digital calendars, we purge unimportant memories from our cameras and hard drives. As modern jobs, homes, marriages and lives, in general, become more temporal, it is perhaps appropriate that our modern mementos are also now semi-permanent at best.

Marcus in Macedonia

Something’s changed at the Albanian bazaar. I used to wander through its vegetable-lined aisles as a celebration of parade, waving and chatting with the Albanians who loved me because I was American. Now everything has changed.

America used to support the National Liberation Army (NLA), the Albanian guerrillas fighting the Macedonian police for greater minority rights. They were touted as freedom fighters, responding to the oppression of the Macedonian society. Our support was not overt, and officially America was a neutral force for peace in the area, but promoting peace meant stopping the Macedonian government from crushing the insurgency, pushing through a cease-fire which gave the Albanians the terms they demanded.

Then September 11th happened. Now America is calling the National Liberation Army terrorists, as the Macedonians have been calling them since the fighting began. I take personal exception to the description as most of the “terrorist” actions have been ambushing army vehicles and raiding police posts, not instilling wild fear in the citizens. I find “guerilla” to be a more appropriate description.

Anyway, guerrillas or terrorists, they are Muslim and this has been causing problems. I didn’t expect it would initially since for the month or a few months after the plane crashes Albanians were extremely forward about expressing their sympathy for America and their distaste for Osama bin Laden, but it’s turned out that was just an initial reaction.

I don’t know whether it is from the NLA being labeled terrorists, or the continuing stream of civilian casualties, but now America is not popular.

I went through the bazaar the other day to meet some friends and of course my friends don’t judge me from the political perspective—but the random Albanians do. I was subjected to a relentless barrage of the Albanian language, from which I could only discern the words Osama bin Laden again and again. As I was sitting in my favorite hole in the wall, sipping Turkish coffee and chatting with a Macedonian friend, a man grabbed me hard by the back of the neck and pulled me out of the chair. I whipped around and pushed him away, telling him to control himself.

“Bush is no good. Afghan-i-stan, very good. Osama bin Laden, my cousin.”

“Yeah, OK,” I dismissed him. I don’t entertain conversation with men who grab me by the back of the neck.

It was a far cry from the old bazaar days, when people would wave and welcome me. “Hey, America! Come here, America! America very good country.”

On the other side of things, there was a Serbian guy who mingled with my group of friends but, whenever he was drunk, would start yelling at me about bombing Belgrade and supporting the Albanian “terrorists” in Kosovo and Macedonia. It didn’t bother me much, and it was interesting to see him blantly refuse to see me as anything more than an embodied American government.

Then, at a party last weekend, he strode up to me and offered me some of his wine. I took it, perplexed. Was he trying to show me that, after a few months of knowing me, he’s realized that I don’t embody the American politics? Is this his philosophical awakening?

As I sipped it, he put me on the back. “America very good,” he said in his broken English. I was slightly disappointed in his change of attitude, as his scorn has brought me some twisted pleasure.

“What?” I asked. “What about when we bombed Belgrade?”

“I ignored my political confusion. America very good. Muslims, BANG BANG. Very good!”

He was teaching me the rules of Balkan politics. There are a lot of simple people here, unable to see the world as much more than a personal ethnic struggle. Memories are short and the rule for political friendship is a What-are-you-doing-for-my-ethnic-group-right-now? attitude. It seems strange that I—indirect and international—am now an ethnic American and helplessly stuck with all that it entails.

INVARIANCES

The Structure of the Objective World

Robert Nozick

In this pathbreaking book, the eminent philosopher Robert Nozick rethinks and transforms the concepts of truth, objectivity, necessity, contingency, consciousness, and ethics. Using an original method, he presents bold new philosophical theories that take account of scientific advances in physics, evolutionary biology, economics, and cognitive neurosciences, and casts current cultural controversies in a wholly new light. Nozick brings together the book’s novel theories to show the extent to which there are objective ethical truths.
Caltech strikes out on student issues

As many are becoming aware, Caltech has made a number of policy changes in recent months that will seriously impact students at Caltech. Individually, these changes could represent a significant need for increased user fees to offset costs or effectively reallocate resources on campus. Collectively, they suggest a trend in current administrative policy to transfer important resources from students to other members of the community, even in spite of Caltech's renewed wealth and continuing campaign for large donations.

Issue #1: Budget Cuts. The whole of Student Affairs, which, as the name implies, runs virtually every office on campus that provides free services to students, received a 7% budget cut this year. President Baltimore, who described the cuts as a way to be able to present the school to donors as a "lean and mean financial institution," is an acceptable explanation as long as the rest of campus, which accounts for far more spending than Student Affairs and did not receive budget cuts, is just as lean and mean. Caltech is operating in debt, but instead of targeting students, necessary budget cuts could be eas­

ierly taken care of. Students would have to do anything to ensure that the plan be reconsidered. His response to the carefully drafted letter, after three weeks of being ignored, was "We have taken this action because we believe that we have to do everything we can right now and then carefully consider its outcomes and what other measures might be possible." Careful consideration is important, but in this case, a response suggesting a desire to work with students would have been more articulated and mean­ingful. It is not clear! Away with toilet paper frosh to park on campus.

Issue #2: Health Insurance. Most people know that de­

ductible costs have been increased that, AS CIT recently pointed out the existence of a document on the web that indicates plans to pass the cost of health care premiums on to students (gradu­

ate and undergraduate), starting with about $400 next year and increasing them up to the full cost, $1200, in a few more years. These costs could not be covered by financial aid. When these figures were pointed out in last week's Tech (surely embarrass­

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resentation less than 6% of the cost of tuition, suggesting that Caltech should already have enough income to pay for it.

Issue #3: Freshmen Parking. This summer, a parking policy was put in place that will not allow fresh frosh to park on campus next year. ASCIT submitted a letter to David Baltimore urging that the plan be reconsidered. His response to the carefully drafted letter, after three weeks of being ignored, was "We have taken this action because we believe that we have to do everything we can right now and then carefully consider its outcomes and what other measures might be possible." Careful con­

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Lately, it has seemed that the voice of the student body has been falling on deaf ears. Once instrumental in the decision making process, students are lucky if they are heard after a decision has been made. It is alarming to see numerous policies be passed down or changed without any student input what­
soever. Students weren't consulted when insurance deductibles effectively went from effectively nothing to $150 a year. If some students need a fee waiver for the $100 GRES which they take only once, how can they possibly afford four deductibles of this size?

This kind of decision making is ineffective at best, and some­times even detrimental. A case in point is the decision by the Deans to dissolve the student bar­
tender program. Students know that the new, more expensive, "professional" bartenders have served underage drinkers. The new bartenders don't feel the same obligation to the commun­
ity and their employer as stu­

dents would. If student bartend­
ers ever served minors, they could be disciplined in far more ways and far more effective ways than an employee of the Athenaeum.

As the Senior Class President talks to the Deans about having Daughters on Ditch Day, the fire policy is re­

thought, and count­

less other decisions are re­

worked, I hope that the admin­
istration doesn't forget Booker T's words completely.

Dinkar Gupta, THC Secretary

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WELL, IT LOOKS LIKE SOMEONE DOESN’T LIKE HAVING HIS CHEESE MOVED.

YOUR PSYCHOLOGICAL PROFILE TEST RESULTS ARE EXCELLENT. CAN YOU START MONDAY?

MONDAY IS FINE. I’LL READ THE EMPLOYEE HANDBOOK OVER THE WEEKEND, THANK YOU VERY MUCH.

THE “GENTLE BIKER” LOOK IS OVERDONE. I’M GOING FOR “PSYCHO HILL BILLY.”

YOU LOOK LIKE A PSYCHO HILL BILLY. THANK YOU VERY MUCH.

WE NETWORK DESIGN ENGINEERS LIKE TO DRESS WITH A THEME. MAY I CALL YOU CRAZY OLD COOT?

I USED TO BE PREPPY. THEN I WAS A DANGEROUS-LOOKING BIKER WITH A HEART OF GOLD.

I CALLED MY CURRENT ROOMIE TO TELL HIM THE NEWS: “LOOK THE PSYCHO HILL BILLY.” (WHAT’S YOUR THEME?)

IF YOU ARE TRYING TO THINK OF A HOUSEWARMING GIFT, I WOULDN’T SAY NO TO A FLASHLIGHT.

IF YOU NEED HELP MOVING, DON’T HESITATE TO CALL ALICE.

YOU ARE TOO KIND.

I DON’T SEE WHY YOU WANT TO MAKE IT A ‘HARRY POTTER’ THEME. YOU’RE JUST AN ORDINARY BIKER, BOBBY.

THEY’RE BOOKS AND MOVIES, NOT SPORTS TEAMS!

I DON’T THINK HARRY POTTER IS AN APPROPRIATE THEME FOR A HOUSEWARMING PARTY.

CAN WE AS FANS JUST ACKNOWLEDGE BADgehED PASSIONS AND COEXIST IN PEACE AND RESPECT AND NOT REMEMBER THEY ARE COMING INTO THIS?

AND I THINK HARRY POTTER IS A FANTASY, BUT A FANTASY WHERE I CAN’T ZAP YOU.

GOING TO BE A PARTY OR WHAT?

ONE HOUR.

WHAT? WHY?

I’M GOING TO TRY DOING IT IN ONE HOUR. AND YOU CAN’T USE A VEHICLE.

I GUESS I CAN TRY DOING IT IN ONE HOUR.

OH, IN ELLEN’S NO. 2, I CAN’T 90.

WE NEXT TO THE MOVIES WITH A szcz.

WHEN DID IT JUST THE ONE HE’S BEEN BORN FROM YESTERDAY.

YOUR FRIEND ELLEN SAYS SHE’S HAVING A BABY.

HA!

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DIRECTED BY WILLIAM BING

SATURDAY NOVEMBER 17, 2001
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JOSEPH JEWELL: TYMPANI SOLOIST
WITH GUEST CONDUCTORS,
PAUL ASIMOW & CHAD KISHIMOTO

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The California Tech
The Full term is flying by at an inconsiderate speed. So many emotionally consuming things have been happening, starting with the attacks of 9/11, followed by the war against those who shelter terrorists, through the Anthrax mailer epidemic, the concerns about more bioterrorism and the other specters of doom that all these evoke, and now this morning another crack, likely unrelated, yet, in the present circumstances, casting an even wider pall than it would normally do. All this in addition to the usual local tensions, yeah you know better than I, horseworks, tidemarks and all that ... the time for midterms is past already, but, because I was unable to go to camp this year, the school year does not seem to have started for me, when it very obviously has for everyone else. My personal clock still says it is September in spite of the fact that it gets dark early. Ready or not it is Thanksgiving time.

Following the traditions of the Holiday gives us a chance to put back some normalcy in our lives. So let us consider all the things we have to be thankful for, the poor beasts that make up the “piece de resistance” for the holiday were perhaps hoping to be spared this year. No such luck. I can hear the pitiful cries of the turkeys in Carmen’s Baruna. Humans always contrive some way of justifying the pleasures of the table and right now a Turkey of course is an obvious choice to take us back to when the good times used to roll effortlessly. Extraordinary times call for extraordinary feasts, and so I decided to look for more esoteric stuff than turkey and where to go for that if not the web? Ah yes, a webbed foot, a duck or maybe a goose. Of course a goose would be in tradition not so much at Thanksgiving than at Christmas, and more commonly in Europe than locally. A goose at Thanksgiving would lend a snobbishly sophisticated cachet to the occasion.

So I looked at what to do with a goose. Well, not what to do, that’s obvious, but how to achieve the aim. I turned up a site named chew.com, the place to go to find out how to do many things, even apparently cook one’s goose. Assuming that a goose has already been caught, or

of noodies like those my grand mother used to roll out and cut out by hand on the dining room table, Old-fashioned stuffed Salmon, Poached Salmon with lobster butter, Pto a feu of Salmon, Roasted Salmon in horseradish crust, Salmon baked with a warm salad, Salmon cobb:ic (the word is not in the office’s big Webster, and is not explained where on the Web (not-stem) but I think it has something to do with spinach and mushrooms), Salmon en papillote, Salmon in foil with Herb-Mustard Salad Dazzer® (a patented salmon yet!), Salmon in lettuce chernise (pretty one that, no?) Salmon in red wine with apricots, Salmon in vodka cream sauce with green peppercorns (you have to be 21 to eat it), Salmon alla Marcel Trompier (whoever he was), Salmon steak-bake, Salmon suflie for 1, Salmon with cabbage, chestnuts & bacon, Salmon with yogurt, Seared Salmon with horseradish mustard vinaigrette, Salmon with anagula, tomato and caper sauce, White Alaskan Salmon with horseradish crust and a tomato-fennel coulis, Feuilletes de saumon aux asperges, Mom’s Salmon mousse... In all I spared you some), 134 recipes, not counting the Esotic, or the French Salmon recipes which were listed separately. So now I have another problem. All this choice, what to do? What to do? Here I was looking to regain my composure and what do I get? Another headache. I will guess it must be especially trouble to plunk for the gobbler with all the trimmings. May it is the time to enjoy a Turkey and give thanks. I’ll pay cash at the supermarket and no one will know I did not buy a but-terball. Now lets see, how big a bird will it be?

Dean's Corner

by Jean-Paul Revel

Thanksgiving pasts, and repasts

Thanksgiving time.

Following the traditions of the Holiday gives us a chance to put back some normalcy in our lives. So let us consider all the things we have to be thankful for, the poor beasts that make up the “piece de resistance” for the holiday were perhaps hoping to be spared this year. No such luck. I can hear the pitiful cries of the turkeys in Carmen’s Baruna. Humans always contrive some way of justifying the pleasures of the table and right now a Turkey of course is an obvious choice to take us back to when the good times used to roll effortlessly. Extraordinary times call for extraordinary feasts, and so I decided to look for more esoteric stuff than turkey and where to go for that if not the web? Ah yes, a webbed foot, a duck or maybe a goose. Of course a goose would be in tradition not so much at Thanksgiving than at Christmas, and more commonly in Europe than locally. A goose at Thanksgiving would lend a snobbishly sophisticated cachet to the occasion.

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Announcements

TACIT Auditions. All members of the Caltech Community are invited to audition for the TACIT production of Shakespeare’s Love’s Labours Lost. Auditions will be held as follows:

Wed., Nov. 28, 7:30-10:00 pm (Ramo);
Thurs., Nov. 29, 7:30-10:00 pm (Dabney Lounge);
Fri., Nov. 30, 7:30-10:00 pm (Ramo);
Sat. Dec. 1, 1:30-4:00 pm (Ramo).
See www.library.caltech.edu/tacit for related information as it becomes available. The play will be performed during winter term on three consecutive weekends beginning February 22.

TACIT Production. The final two performances of Tennessee Williams’ The Notebook of Tristian will take place in Dabney Gardens and Dabney Lounge on Sat., Nov. 17, and Sun., Nov. 18, at 3 pm.

Work-Study Opportunity at JPL. Compton Gamma-Ray Observatory Archival Data Analysis for Studying Temporal and Spectral Properties of Gamma-Ray Sources. This is an announcement of opportunity for one or two undergraduate students in physics or astrophysics to participate in a part-time work-study program including the steps to follow in the design and processing of archival data obtained by the Burst and Transient Spectroscopy Experiment (BATSE) onboard the NASA Compton Gamma-Ray Observatory. The major scientific objective is to study the properties of gamma-ray emission from cosmic sources including black holes and active galactic nuclei and neutron-star systems. For this research, it would be useful if the student had some experience with programming as well as working with the Interactive Data Language (IDL) package. Employment would be on a part-time work-study basis during the school year and possibly up to 40 hours per week during the summer. If interested, or for further information, contact Dr. James C. Lingenfelter at ext. 1627, (818) 554-2189, jingenfelter@jpl.nasa.gov.

The Caltech Ballroom Dance Club is offering two five-week class series this month: Samba and Waltz. This will be the third week of classes, but if you missed the first two classes and know the basic steps, you can join now. AMERICAN SAMBA, taught by professional instructor Andre Fortins, takes place on Mondays (through Dec. 3). Class fee is $60 for Samba for students and $75 for others. AMERICAN WALTZ (Wednesday evenings through Dec. 5) in miniature taught and cut-size $45 for class fee. Minimum number of 5 people is required for the classes to be held. For registration information, call the Dance Club at ext. 8163.

Student Program Board. The Caltech Women’s Center invites you to be part of the new and exciting changes taking place in our office. Our new staff is interested in working with you to develop programs and services that meet your needs and interests. Get involved now! Take on a leadership role in deciding how the Women’s Center addresses the issues you are interested in. Be a part of designing, developing and implementing programs and events focused on women’s and gender issues. Undergraduate and graduate students, women and men encouraged to get involved. Contact the Women’s Center at ext. 3221 or stop by our office in room 265 of the Center for Student Services.

The Caltech Dance Troupe will be sponsoring Beginners’ Hip-Hop Dance Classes on Tuesdays, 9-10:30 pm in Braun multipurpose room beginning October 9. No experience is needed and no special clothing or shoes are required. There is a $2 fee for the introductory class. This fee will be credited to the fall quarter fee if you decide to join the class for the rest of the term. The fee for students is $10 and for non-students is $15. Register online, email troupe@caltech.edu. For further information, contact Megan Knight at knightm@its.caltech.edu or visit our web page at http://www.its.caltech.edu/ballroom/.

As a result of Irvine Foundation funding, Caltech has a limited amount of money available for diversity programs related to underrepresented minorities and women for academic year 2001-2002. Proposals from students, faculty, and staff are welcome and should clearly address how the program relates to issues of diversity. Proposals should also include a description of the event, including purpose, audience, date, location, and budget. Application forms can be picked up at the Caltech Y. An initial review of proposals will be made and the applications will be reviewed and the awards. For more information, contact Athena Center (athena@caltech.edu) or Greg Fletcher (gregf@caltech.edu) at ext. 6163.

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Stressed??? Sign up for the Stress Management Workshop offered by the Student Counseling Center. This workshop will take place in Dabney Gardens and Dabney Lounge on Sat., Nov. 17, and Sun., Nov. 18, at 3 pm.

The Caltech Y offers students and staff a variety of ways to participate in community service. Opportunities include working with Habitat for Humanity, Union Station Homeless Shelter, math tutoring (on or off campus), reading tutoring, and working at local hospitals. One-time community service events are planned each term and opportunities for service on a regular basis exist. Undergraduates with federal work-study can receive $15/hr for their community service work. To be added to the community service interest email list, or for more information about the Community Service Program, please contact Greg Fletcher at gregf@caltech.edu, ext. 5636. Or stop by the Caltech Y in the Center for Student Services (formerly Knock House) for a complete listing of opportunities.

Are you interested in discussing life at Caltech and in the United States? If so, the Intercultural Discussion and Support Group provides a forum for Caltech students to explore the process of cultural adjustment and relating across cultures. The group will meet every Monday beginning October 22 from 12-1 pm in the Women’s Center Lounge. The group is facilitated by the Counseling Center and International Student Programs, and is open to ALL Caltech students, graduate and undergraduate. American and international. Drop-ins welcome. Since lunch is provided, please contact Jim at endre@caltech.edu if you plan on attending one of the meetings, this will guarantee that we have enough food!

Les-Bi-Gay-Tra Trans Discussion Group. Whether you are out and proud, exploring your sexual identity, coming out, or anywhere in-between, we invite you to our Discussion Group, which meets on the 1st and 3rd Tuesdays of each month from 7:30-9:30 pm in the Health Center Lounge. The group is a great place to meet new friends and the atmosphere is generally very relaxed; at the same time, more personal and “serious” discussion topics can be covered. This is a confidential meeting and attendance does not imply anything about your sexual orientation; supportive students and staff are welcome as well. For more information, contact ext. 3843. To find out about LBGT events on campus, please visit the Caltech Student Pride Association (CSPA) calendar at http://www.csa.caltech.edu/cspa/.

For information on available scholarships, please visit the Financial Aid web site at http://www_finaid.caltech.edu/news.html All qualified students are encouraged to apply!

Scholarships

The Caltech-Occidental Concert Band, directed by William Ring, will present a free, fun-filled, musical offering this Saturday night, November 16th, at 8 pm in Beckman Auditorium. Featured on the concert will be Caltech undergraduates Joseph Jewell and Chad Kishimoto. Special guest artist will be the director of the Caltech Women’s Glee Club, Deborah Lavina. There will also be music by Sousa, Beethoven, and Gershwin. No tickets are required.

Women in Science is a new group on the Caltech campus. It was started by a group of concerned female graduate students, and we are now looking for new members. The group will be hosting Lunch With Faculty #1 on December 4 at noon at the Carriage House. Professors Jackie Barton and Sossina Haile will share their experiences about being women in science. Lunch will be provided; however, space is limited so please RSVP by sending email to Cynthia Collins at cynthia.1@caltech.edu. If you would like to find out more about the Women in Science group, feel free to contact us at cynthia.1@caltech.edu.

Caltech Library System Presents. The following sessions are approximately one hour of formal instruction followed by an optional hands-on practice. All classes begin at noon and meet in the Sherman Fairchild Library Multimedia Conference Room (Room 328). Walk-ins are welcome, but pre-registration is preferred.

Tuesday, November 13: Image Searching Quick Review: Bitchin, the CCD and SciFinder Scholar (CAS)
Tuesday, November 27: “Business Resources”

For further information, please contact Kathleen McGregor at ext. 6713 or kathleen.mcgregor@caltech.edu.

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