Caltech hosted a forum on the issue of biodefense on Nov. 7. The goal of the forum was to explore society's vulnerabilities to bioterrorism, the science behind the problems and solutions of biodefense, and the steps that public agencies are, or should be, taking to deal with bioterrorism.

The forum began with a brief welcome by President Baltimore followed by presentations from Caltech Provost and Professor of Theoretical Physics Steven Koonin; Dr. Alan Zelicoff, Chief Scientist of the National Security and Policy Planning division at Sandia Labs; and Dr. Jonathan Fielding, Director of Public Health of LA County and Professor of Health Services and Pediatrics at UCLA. A Q&A session moderated by veteran reporter Jess Marlow from KCET concluded the evening.

Prof. Koonin, a government advisor on national security issues for many years, made her presentation on the civilian biodefense study she recently led for the Department of Defense. Four scenario analyses were analyzed: release of anthrax spores into the NY city subway system, release of ricin (a ribosome-inhibitor derived from castor beans) attack on a government building, and a wheat field attack in the Great Plains. While the current health-care infrastructure is adequate for handling some of these bioterror scenarios, Prof. Koonin believes that present capabilities do not meet the full spectrum of plausible threats. He advises that the public health information system be strengthened, efforts be made to determine who's been infected by a possible bioterror agent before symptoms appear, and improvement in government and deployment of sensors, search be done on possible biowarfare agents, and the installation of HEPA filters, positive pressure systems on other technologies to protect buildings from biological attack.

Dr. Alan Zelicoff gave his presentation on the Rapid Syndromic Valuation Project (RSVP), a real-time epidemiological reporting system developed at Sandia National Labs. RSVP allows doctors to enter the symptoms of a patient into a database.

By Rumi Chnaka

Caltech students received negative changes to their health insurance plan this year for the first time ever. Changes have been made each year in previous years, however according to Thomas Schmitt, the Assistant Vice President for Human Resources, this is the first year in which the changes "are not all positive" nor are they, this year, "relatively minor".

For example, last year, positive changes were made including increased well-child care up to age 6, and annual pap exams, pap lab tests and prescription contraceptives were introduced into the plan. This year, under-graduate and graduate students are burdened with a deductible increased by 50% to $150. Not only is the cost increased, but Caltech will no longer reimburse it. An additional change, receiving less attention, is a $50 fee for non-emergency use of a hospital emergency room.

The underlying reason for these changes is the increased cost to Caltech. Since 1997 the cost of health care has gone up by 50% from $1.6 million to $2.4 million. This change in allocation of costs will reverse the trend of loss for Caltech. Not only will Caltech have to pay less money to its health insurance company, but the insurer will lower their rates because of the effects of the changes. The Human Resources Department anticipates that this will make a real difference.

Students, however, have different thoughts. Grad students have always had the most concern with the health care, in part due to more issues about dependants. The Graduate Student Council Chairman, Jose Mumbru, outlined some of these concerns. This included that the cost of health insurance to Caltech represents only 0.6% of the entire $400 million annual budget, while the deficit is about $15 million. Mumbru pointed out that if it is Caltech's goal to eventually make students pay for their own health care (currently at a cost of $1200 per year), this would, however, make a significant impact of about $2 million. Mumbru also compared the cost of the insurance to the average graduate student's monthly salary of $1500.

While this cost is large, the Human Resource Department conducted a survey in April of this year, of local schools and their health plans, in addition to schools such as Yale, Stanford and Harvard, each with their own medical schools, Caltech was the only school on the list that covers the cost of the insurance for their students.

Costs at other schools range from approximately $500 to $1300 per year, for varying levels of coverage.

Cost reduction, along with a commitment to delivering the same level of service to the students is what the Human Resources Department had in mind when it decided to make the changes. This goal was met, according to Schmitt.

By Philip Wong

Earlier this summer, Lt. Gen. Eugene Tattini made the transition from leading one of the most advanced Air Force research departments to becoming the Deputy Director for the Jet Propulsion Laboratory. Tattini succeeded Larry Dumas who retired from the position after nine years of service.

Prior to his position as deputy director at JPL, Tattini served twelve years as the head of the Space and Missile Systems Center at Los Angeles Air Force Base. His experience in managing large scale space projects was one of the key criteria in the selection process.

In addition to 36 years of service in the Air Force, Tattini graduated with a degree in industrial management from the University of Illinois as well as obtaining a master's degree in business administration from Oklahoma City University. During his service in the Air Force, he has received the Distinguished Service Medal, the Legion of Merit with oak leaf cluster, the Meritorious Service Medal with three oak leaf clusters, the Air Force Commendation Medal, and the Humanitarian Service Medal.

Because his position at JPL is similar to that of heading the Space and Missile System Center, Tattini's project management and cost control is greatly valued.

However, the most notable difference and one that contributes to the excitement of working at JPL is that the military relies on proven technology while JPL strives to make the impossible a reality.

General Tattini is working with Dr. Charles Elachi, JPL's Director of the Genesis project which collects solar wind particles, and the 2003 Mars Exploration Rover project.

Tattini will be speaking at the Leadership Forum presented by Caltech's Management Association. His talk, "An Illinois General in King Charles' Court: Perspectives on Technology Management," will be on Mon. Nov. 12, at 4:45pm in the Von Karman Auditorium.

The Usual

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ONLINE

ASCIT BookD

BOD ANNOUNCEMENT REGARDING HEALTH INSURANCE CHANGES

In light of changes instituted over the summer concerning the Student Health Plan, the ASCIT BoD is now seeking undergraduates who would be interested in serving on the Health Insurance Committee that will address the impact that these changes will have on the quality of life. A summary of the changes is available online as a pdf file at http://wvate.caltech.edu/Wakekis_Happenings0701.pdf and in this week's Minutes in the Tech.

Any interested students should sign up outside SAC 33, and send a short blurb to the ASCIT secretary at justinh_@co.caltech.edu with reasons for his/her appointment.

ASCIT BoD
The Outside World

by William Fong

One Month of War:
One month after starting its anti-terrorism campaign against Afghanistan, the US is still continuing its air strikes with this week's focus on troops situated north of the Afghan capital of Kabul and in the city of Kandahar. There have also been reports that the anti-Taliban Northern Alliance has made gains to within a few miles south of Kabul. In addition to the military action, the continuing investigation into the funding of terrorist groups led to the discovery this week that the borders shared by Brazil, Argentina, and Paraguay may be a haven for terrorists. Unfortunately also, psychology. I say:

On Tuesday, Alan Greenspan and the Federal Reserve cut interest rates for the tenth time this year and for the third time since the September 11 attacks. Today's cut was a half percentage point with the overnight bank lending rate down to 2.0%. Although the rate cuts have yet to prove any success in stimulating investment, the Fed will continue cutting as long as it deems it necessary in its part to revive the economy. Financial experts say that a quarter-point rate cut is expected for December with another to follow in January to bring the lending rate down to 1.5%.

Unemployment Soars:
In response to the weak economy, employers cut 415,000 jobs in the month of October, the largest unemployment jump in 21 years. With the unemployment rate up from 4.9% to 5.4%, there is growing concern about the status of the US economy; this has prompted President George W. Bush to consider an economic stimulus package to help stabilize the economy. With the third quarter GDP down 0.4% and a larger drop expected for the fourth quarter, a recession is near future although some analysts speculate improvement in the economy by early 2002.

World Series Classic:
On Sunday, Game 7 turned out to be a classic as the Arizona Diamondbacks rallied in the bottom of the ninth for two runs off Yankees closer Mariano Rivera to win the game 3-2 and the World Series. Arizona, in its fourth year in the league, became the fastest expansion club to win a World Series. In the series of the World Series finale, Bud Selig, the MLB commissioner, announced Tuesday that two teams would be eliminated before the start of the 2002 season. The frontrunners are the Minnesota Twins and the Montreal Expos.

Hurricane Michelle Rips Through Caribbean:
Over the past week, Hurricane Michelle moved from Central America to the east where it crossed Cuba, Haiti, and the Bahamas. Packing winds of 135 mph upon entering Cuba, the hurricane left many on the Caribbean islands in the dark as the power lines were taken down. The hurricane has been labelled as a Category 4 hurricane and has injured at least 10 people and caused much damage.

What's new at the Y?

The Y was created 85 years ago by a group of Caltech students as a chapter of the national YMCA. The Y is now a nonprofit organization independent of Caltech and the YMCA, and is run by a board of directors, four full-time staff members, and a student Executive Committee.
explore
A
Wealth of
opportunities

When: Monday, Nov. 12, 2001
Time: 6:30 p.m.
Where: The Athenaeum

(Also WIN $2500)

Enter your resume to win $2,500! Join us for information and hot hors d'oeuvres. www.oracle.com/college
The California Tech

Features

BIODEFENSE: CONTINUED FROM PAGE 1

base and receive immediate information regarding the type and lethality of disease that the patient might have. Furthermore, RSVP allows public health officials to determine whether a novel disease was naturally or intentionally introduced as well as statistics regarding the geographical dispersion of the disease, the origin of the disease, and possible methods of transmission. RSVP involves a touch-screen terminal placed in a doctor's office connected to a central server. It is currently in seven locations across New Mexico and will soon be introduced in 150 locations across the nation.

The last presentation was made by Dr. Jonathan Fielding, Director of Public Health of Los Angeles County. He gave an overview of the work being taken by Los Angeles County regarding a possible bioterrorist attack. These include sending posters on anthrax diagnosis to all physicians in LA and a bioterror attack exercise that will occur next week. Dr. Fielding listed some steps that everyone can do regarding bioterrorism. These are: regular disaster preparedness including adequate stockpiling of food and water, regular preventive activities like exercise and getting a flu shot, and finally not to give into fear. Further details, including guidelines for handling suspicious mail, can be found at the Los Angeles Bioterrorism Preparedness and Response website at http://www.labio.org.

In fact, fragments of this idea are manifest throughout our culture. Not only do we look for natural ingredients in our foods, medicines, and shampoos, but we also cling to notions of natural ethics, such as "homosexuality is unnatural because it does not produce offspring, and therefore it is bad," and "natural selection has made man superior to other organisms, so therefore we have the right to use them as we please." We debate issues like whether rape is a natural phenomenon, or as having the answer to the question would support or oppose the idea of rape as immoral.

As with many things, we seem to endorse nature only when it serves our own purposes. Coming to think of it, most Americans don't have a clue as to what the natural order of things is, if there is such a thing. Even if we did, we wouldn't accept the idea that we can use it to our own ends or debase it as effectively as possible. Clearly we do not care a bit about the "natural order of things," if there is such a thing.

The word nature itself so that it no longer refers to the wild world, but to safari parks, herbs, shampoos, and Hain Pure Foods brand rice. Nature is now a catchword for advertising and rhetorical purposes only. So if what is natural is good, as is popular opinion nowadays, then what does that make us?
Men’s and Women's Cross Country
Caltech ran strong at the SCIAC Championships with a fifth place finish for the men and a sixth place finish for the women. Ten Caltech runners set personal records in the meet. Jan Sharpfo, Eric Anderson, JR Heberle, Steve Berardi, Silas Hildaus, Steve Habeger, Abel Bourbous, Serena Eley, Tracy Janow, and Kathleen Kiernan. The men's finish was the second best in 5 years (sixth '96 and '97). Graduate student Ian Shapiro finished fourth overall with a time of 26:11, qualifying for the NCAA Regionals in Salem, Oregon on Nov. 10.

Men’s Soccer
Caltech finished up a tough season with loses to Chapman and Redlands. The loss to Redlands gave the Bulldogs the outright win of the SCIAC. Seniors playing their final games for Caltech were Doug Baker, Matt Kalenik (13), and Brian Palmer (9).

Although the regular season is over, don’t miss the alumni game this Saturday, Nov. 10 at the North Field.

Women’s Volleyball
The women played hard in their final week of competition against two tough SCIAC teams. Six seniors, Barbara Krantz, Ingrid Cotter, Lauren Durakian, Emma Kang, Karen Lam, Dauna Paulikas, and Dana Vakulikjoo, played their final match for Caltech. Freshman Colleen Moody hit .333 on the night and had 13 kills. The Senior Barbara Krantz had 5 kills, 4 assists and 8 digs on the night. Sophomore setter Megan Kennedy had a great night with 2 kills, 9 assists and 9 digs.

Men’s Waterpolo
Caltech took on some talented SCIAC teams this week with a narrow loss to Occidental at home. This week marks the last week of competition for the team as the Championships start on Saturday at Pomona-Pitzer. The competition will be all-day event.

Men’s and Women’s Fencing
The teams all gave a great effort with the men winning 3 of 4 and the women winning 4 of 4. Next Saturday Caltech hosts the Stanford Cardinal, a national powerhouse, and the following weekend the team travels to San Diego to face conference nemesis Cal State Fullerton and UCI.

Women’s Basketball
The previous weekend, the SCIAC Individual Tourney, grad student Cedric Anene won the foil, senior Tiago Wright won the saber, senior Sarah Quan showed for third in the epee, and Senior Alexander Kuo won fourth in the men’s epee. The fencing team is off to a great start!

Come support your fellow Tuckers at the alumni games! Also, basketball season is starting soon... come watch the men’s basketball alumni game this Saturday at 2pm in the Braun Gym.

- by Don Ly

Schlumberger:
"Because they put no limits on how high I can climb or how far I can explore.

Schlumberger Ltd. is a $12 billion technology services company active in more than 100 countries. So when we promise you the world, we mean it.

And careers at Schlumberger are "sordid", which means you have lifelong opportunities to move across disciplines and divisions. So you can follow your heart and intellect. And explore the boundaries of science and technology as you expand your own horizons.

If you have a passion to excel and want a future without limits, you’ll discover we’re the place for you. Find out more on our website at www.slb.com/careers.

Cal Tech Interviews!
Information Meeting: November 14, 2001 5:00pm - 6:00pm Career Center Conference Room
Interviewing: November 15, 2001 BS or MS Degrees
All Engineering, EE, EECS, Geology, Chemistry, Physics, Math

Schlumberger
In Any Language, It’s The Opportunity of a Lifetime

Scope of engineering projects at the University of California, Los Angeles (UCLA) and the University of California, Berkeley (UC Berkeley) includes fish and water supplies, drainage systems, sewage treatment plants, and pipelines. The projects range from small-scale systems to large-scale systems involving hundreds of thousands of gallons per day. Some of the projects involve design, construction, and operation of new systems, while others involve modernization of existing systems.

The scope of engineering projects at the University of California, San Diego (UCSD) includes land development projects, such as development of new buildings and roads, as well as the design and construction of infrastructure systems, such as water and sewage systems. These projects are carried out in collaboration with other agencies, such as the Department of Public Works, and involve the coordination of activities with various departments within the university.

The scope of engineering projects at the University of California, Santa Barbara (UCSB) includes the design and construction of new buildings, as well as the modernization of existing facilities. These projects involve the coordination of activities with other departments, such as the Office of Physical Plant, and the coordination of activities with other agencies, such as the California Coastal Commission.

The scope of engineering projects at the University of California, Davis (UC Davis) includes the design and construction of new buildings, as well as the modernization of existing facilities. These projects involve the coordination of activities with other departments, such as the Office of Physical Plant, and the coordination of activities with other agencies, such as the California Coastal Commission.

The scope of engineering projects at the University of California, Irvine (UC Irvine) includes the design and construction of new buildings, as well as the modernization of existing facilities. These projects involve the coordination of activities with other departments, such as the Office of Physical Plant, and the coordination of activities with other agencies, such as the California Coastal Commission.

The scope of engineering projects at the University of California, Riverside (UC Riverside) includes the design and construction of new buildings, as well as the modernization of existing facilities. These projects involve the coordination of activities with other departments, such as the Office of Physical Plant, and the coordination of activities with other agencies, such as the California Coastal Commission.

The scope of engineering projects at the University of California, Santa Cruz (UC Santa Cruz) includes the design and construction of new buildings, as well as the modernization of existing facilities. These projects involve the coordination of activities with other departments, such as the Office of Physical Plant, and the coordination of activities with other agencies, such as the California Coastal Commission.

The scope of engineering projects at the University of California, San Francisco (UCSF) includes the design and construction of new buildings, as well as the modernization of existing facilities. These projects involve the coordination of activities with other departments, such as the Office of Physical Plant, and the coordination of activities with other agencies, such as the California Coastal Commission.

The scope of engineering projects at the University of Southern California (USC) includes the design and construction of new buildings, as well as the modernization of existing facilities. These projects involve the coordination of activities with other departments, such as the Office of Physical Plant, and the coordination of activities with other agencies, such as the California Coastal Commission.

The scope of engineering projects at the University of California, Los Angeles (UCLA) includes the design and construction of new buildings, as well as the modernization of existing facilities. These projects involve the coordination of activities with other departments, such as the Office of Physical Plant, and the coordination of activities with other agencies, such as the California Coastal Commission.
DILBERT® by Scott Adams

WE SHOULD ADD THIS FEATURE TO OUR PRODUCT TO MAKE IT MORE USEFUL.

ARE YOU TELLING ME THAT NOT ONE PERSON ON EARTH WILL USE OUR PRODUCT WITHOUT THAT FEATURE??

YOU CHANGED WHAT I SAID INTO A BIZARRE ABSOLUTE.

OH, I CHANGE EVERYTHING YOU SAY?!

I SIGNED UP FOR A YOGA CLASS.

THEY SAY IT WILL HELP ME ACHIEVE HARMONY AND BALANCE.

FAILING AT THAT, I PLAN TO STAR AT STRETCHY WOMEN.

I'VE LOST TWO POUNDS SINCE I SIGNED UP FOR YOGA CLASS.

AND I NEVER HAVEN'T HAD A STICK CLASS YET.

MAYBE I'M SOME SORT OF YOGA PRODIGY.

WE'RE GOING TO HAVE A "TOWN HALL" MEETING TO IMPROVE COMMUNICATION.

BUT IT'S NOT IN AN ACTUAL TOWN HALL, AND I'LL HAVE QUESTIONS IN ADVANCE, SO IT'S NOT A MEETING PER SE.

WOULDYOU LIKE THE WINNER OF A PRESTIGIOUS AWARD FOR ATTENDANCE.

MY NAME IS MISSPELLED... AS AN OBSCENITY.

TYPO.

TYPO?

YOU ADDED FOUR LETTERS!!

I STILL HEARD BACK FROM "SURVIVOR".

I DON'T GET IT! MY IDEAS ARE ALL GREAT, AND I WORRIED MY STEEL-CASED MALLET SYSTEM FOR SETTING TRADITIONAL CULTURAL PATTERNS AND PROBABLY DOUBLE THEIR ESTIMATES!

ASOK, YOU ARE THE WINNER OF A PRESTIGIOUS AWARD FOR ATTENDANCE.

I'VE LOST TWO POUNDS SINCE I SIGNED UP FOR YOGA CLASS.

WALLY LOOKS DIFFERENT.

HE CHANGED WHEN HE STARTED YOGA CLASSES.

ALL I'M SAYING IS THAT IT WOULD NOT BE A "YOGA" CLASS.

SUSPICIOUS YOU ARE.

I THINK WE GIVE OUR QUESTIONS TO?

WHO DO WE GIVE OUR QUESTIONS TO?

I THINK WE GIVE OUR QUESTIONS TO...

I STILL HEARD BACK FROM "SURVIVOR".

I DON'T GET IT! MY IDEAS ARE ALL GREAT, AND I WORRIED MY STEEL-CASED MALLET SYSTEM FOR SETTING TRADITIONAL CULTURAL PATTERNS AND PROBABLY DOUBLE THEIR ESTIMATES!

SUSPICIOUS YOU ARE.

YOU ARE THE WINNER OF A PRESTIGIOUS AWARD FOR ATTENDANCE.

MY NAME IS MISSPELLED... AS AN OBSCENITY.

TYPO.

TYPO?

YOU ADDED FOUR LETTERS!!

I STILL HEARD BACK FROM "SURVIVOR".

I DON'T GET IT! MY IDEAS ARE ALL GREAT, AND I WORRIED MY STEEL-CASED MALLET SYSTEM FOR SETTING TRADITIONAL CULTURAL PATTERNS AND PROBABLY DOUBLE THEIR ESTIMATES!

WHAT'S MY NAME?

I'LL CHANGE WHAT I SAID INTO A BIZARRE ABSOLUTE.

WHAT ARE YOU DOING?

WHAT ARE YOU DOING?

WHAT ARE YOU DOING?

WHAT ARE YOU DOING?
Dean’s

CONTINUED FROM PAGE 2

from the demonstration by Robert Koch that anthrax was indeed transmitted by a bacterium. A few years later Louis Pasteur had developed a vaccine against the dread disease and was triumphantly carried around on the shoulders of celebrating French peasants. (NB not all disease are caused by germs, some are caused by other organisms, or by physiological failures, etc).

What makes anthrax such a desirable (feared) weapon in biological warfare? After all it is not transmitted from people to people. The disease spreads not by exposure to the anthrax bacteria but by exposure to large numbers of their spores, usually by ingestion or inhalation. Skin lesions, although ominously coal black in color (hence the bacteria’s name) are only rarely fatal. Spores are like fleas or lice so far as bacteria are concerned. They form when the conditions for bacterial survival deteriorate, encapsulating bacterial DNA in an almost indestructible shell. All bacterial spores are tough, but the spores of Bacillus anthracis are unusually so.

Having such a sturdy spore means that a terrorist’s calling card can stay around for a long time. Anthrax spores, buried in the soil for even fifty years can still germinate and continue the bug’s life cycle. They are washed out by rains and concentrated as the puddles dry up, ready to infect sheep eating the grass and swallowing or breathing in anthrax at the same time. The spores germinate in the lungs or the gut and develop into bacteria, which produce the toxins responsible for the damage leading to death. Unless exposed through maltreatment, people contract the disease by handling animal pelts or eating meat from sick animals.

Besides the longevity of its spores, the time course of the disease also contributes to making anthrax a convenient weapon. The symptoms of the infection are not obviously threatening until it is already too late for treatment. That is because death is caused not by the bacteria themselves but by toxins they release. Once sufficient toxin has been released and people or animal in serious trouble, killing the bacteria with antibiotics is of no help, because the antibiotics have no effect on the toxin. As a result one must treat prophylactically, before serious symptoms are apparent, with little to go on but a suspicion of exposure.

This Russian roulette aspect of not knowing whether one is at risk until it is too late makes anthrax particularly well suited for terrorism, because, whether exposure is real or not, many can be led to fear. Suspect packages and mail believed to be laced with anthrax spores have been reported from as far afield as Mexico, Malaysia, South Africa, the UK, Brazil and Pakistan and elsewhere. The level of alarm is now so high that paint fumes recently led to a bioterrorism scare. All of us are a bit less exposed through malfeasance, or by ingestion or inhalation. Skin lesions, although ominously coal black in color (hence the bacteria’s name) are only rarely fatal. Spores are like fleas or lice so far as bacteria are concerned. They form when the conditions for bacterial survival deteriorate, encapsulating bacterial DNA in an almost indestructible shell. All bacterial spores are tough, but the spores of Bacillus anthracis are unusually so.

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Shots will be available free of charge to Caltech students and staff who present a current, valid ID. Vaccinations will be given at Wimmen Lounge on Wednesday, November 14, 2001, from 10 am to 5 pm. ONE DAY ONLY. Dependents are not eligible for this program.

As a result of Irvine Foundation funding, Caltech has a limited amount of money available for diversity projects 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, date, location; and proposed application forms can be picked up at the Caltech Y. An Institute committee will review the applications and make the awards. For more information, contact Athena Coster (acoster@caltech.edu) or Greg Fletcher (gregf@caltech.edu) at ext. 6145.

Student Programming Board. The Caltech Women's Center invites you to be part of the new and exciting world of student programming and events. We need volunteers to plan and coordinate 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 programs and events focused on women's and gender issues. Undergraduate and graduate students, women, and men are 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.

Japana Internship Orientation Meeting. Are you a freshman, sophomore, or junior who wants a meaningful, research-based summer internship? Are you interested in the Japanese culture? There will be an Orientation Meeting on Friday, October 19, at 1 pm in the Student Center, room 240. We also have here at Caltech now, Wednesday, November 14th at noon in the Wimmen Club Room. Lunch will be served; RSVP no later than Monday, November 12 by e-mail to: student@caltech.edu. (You must have a 3.0 GPA to apply.)

The Environment, Health, and Safety Office in conjunction with the Pasadena Fire Department will be offering Pasadena Emergency Response Training (PERT) on Friday, November 16, 2001 from 9 am to noon. The disaster training is taught by the Pasadena Fire Department. The session will cover what to do during a PERT event. It will cover basic life support and self-recovery. Questions or comments? Email: heather@caltech.edu.

The Caltech Dance Troupe will be sponsoring Beginners’ Hip-Hop Dance Classes on Tuesdays, 9-40-58 584-8833 to facilitate or visit forms can be picked up at the Caltech Y. An Institute committee will review the applications and make the awards. For more information, contact Athena Coster (acoster@caltech.edu) or Greg Fletcher (gregf@caltech.edu) at ext. 6145.

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The Environment, Health, and Safety Office in conjunction with the Pasadena Fire Department will be offering Pasadena Emergency Response Training (PERT) on Friday, November 16, 2001 from 9 am to noon. The disaster training is taught by the Pasadena Fire Department. The session will cover what to do during a PERT event. It will cover basic life support and self-recovery. Questions or comments? Email: heather@caltech.edu.

The Caltech Dance Troupe will be sponsoring Beginners’ Hip-Hop Dance Classes on Tuesdays, 9-40-58 584-8833 to facilitate or visit forms can be picked up at the Caltech Y. An Institute committee will review the applications and make the awards. For more information, contact Athena Coster (acoster@caltech.edu) or Greg Fletcher (gregf@caltech.edu) at ext. 6145.

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