Physics Teaching Assistants Threatened In Sudden Cuts

By KAYTE FISCHER

It may take Richard Feynman to save this year’s physics TAs. Facing a TA budget strained by a deficit of about $100,000, Kenneth Kiewiet, head of the physics department, has requested extra funds from a fiscal committee headed by Dean Kiewiet of Graduate Studies. But if he can’t find money there, the department may have to use royalities from the Feynman Lecture Series to save more than 20 teaching assistants who would otherwise have to be fired.

As a role, each department submits an estimate of its needs for the next year. Commonly, yearly budget proposals are estimated at a higher value than the actual need, because options know that their estimates will be cut and want some padding to spare. Mr. Kiewiet and his committee designate funds going to each option at the start of each school year by looking at numbers of classes, sizes of classes, and past budgets.

According to Mr. Kiewiet, the Dean’s office does its best “to make good forecasts as we can on what options will need.”

In theory, more attendance in one class causes another to have less, but it is difficult to predict needs with the new classes being offered; required menu classes, for instance, can disrupt previous relations between class enrollment.

Because class enrollment varies from year to year, the budgetary needs can run higher or lower than the requests. A portion of the overall fund is set aside each year to cover deficits from the amounts allotted. So far this year, the Dean’s office has been able to honor all the additional requests for money from this reserve fund. However, the physics department’s request for additional $100,000 to cover the end of this year will make that task difficult to continue.

“Things are tight this year,” noted Mr. Kiewiet, “but we’ll figure them out.” To alleviate the deficit, one option under investigation is paying undergraduates TAs using work-study funds. But most likely the division will pick up some of the costs.

Years ago, Richard Feynman and his editors gave the royalties from the sales of the popular Feynman Lecture Series to the physics department. Historically, the money has gone to fund creative teaching endeavors such as the Physics 77 lab and a potential history of philosophy class next year to be taught by Professor Halbach. However, the physics department may be forced to dip into this fund to cover the deficit in TA budget for this year. According to Thomas McQuiberry, Chair of the department, math and astronomy department, “it certainly seems that the spirit of Richard Feynman, like Merlin from his cave, has risen to save us in our hour of need.” Generally, the physics department has difficulties filling its needs for TAs. Because most graduate students are paid from grants of their own or their principal investigators, they are pressured to be paid in the lab rather than TA. Often, physics TAs come from engineering or applied physics with some even from the undergraduate pool.

Overall, the job of teaching assistant serves two major purposes for the graduate student population. Others are compensated for research assistant positions and fellowships. The Dean’s office is looking to increase fellowship funding for graduate students. This money does not come out of the TA budget. The fellowships provide a living expenses. Recent additions to the fellowship pool as the Moore fellowship, which can help up to 15 students, and the Kosen fellowship, which can help several more. If possible, most graduate students choose to stay in the TA fellowship because they require more money.

Even though the overall TA budget grows by around 4% every year, this becomes zero if there are cuts due to campus wide budget considerations, student body growth, and increased wages.

For the last two years, the incoming class of graduate students has been around 275, much higher than its past classes of around 215. This fall will bring in an additional 240 students. Also, the undergraduate lab will be cut and want some padding to spare. Mr. Kiewiet and his committee designate funds going to each option at the start of each school year by looking at numbers of classes, sizes of classes, and past budgets.

Physicists have been paying the price of having so many students in the TA pool and the average size of classes has grown. “It may take Richard Feynman to save this year’s physics TAs.”

In 1907, Throop Institute offered an option in Mechanical Engineering. In 1960 this option became part of the new Engineering & Applied Science option. Students who wished to focus their studies on Mechanical Engineering could still choose to concentrate in M.E. at graduation their degree would be in E & AS with a note that they had concentrated in M.E. Starting in October of next year, students will once again be able to get a diploma which gives them a B.S. in Mechanical Engineering.

According to Erik Antonsson who was instrumental in bringing about this change, the reasons for making this switch were fourfold: to give the option a clear identity, to give the M.E. profs greater control over the option requirements, to give them an improved ability to keep track of alumni, and to recognize the importance of the M.E. undergrad program.

The ability to more easily change option requirements is seen as a key factor. Although the existing requirements are basically identical to those of the M.E. concentration under E & AS, the new introduction to the option in the catalog will stress the changes in M.E. occurring through interfaces with biology and nanotechnology. “The change of the century was a good time to make changes,” noted Antonsson, "things had been the way they had been for most of the last century.”

The current set of option requirements are the result of a series of guidelines, but only a beginning. The basic goal will be to “make sure we’re preparing undergraduate students for the future of Mechanical Engineering as we see it.”

Antonsson does not see the creation of the new option as a way to attract more students into M.E. Few M.E. students make the decision not to attend Caltech simply because of the formal option exists, so while a degree program may raise visibility, it is not expected to increase enrollment.

The “objective,” according to Antonsson, “is not to increase in size, only to strengthen the existing program.” Part of the reason this option came into being was due to the already large interest in M.E. at Caltech. “If we can attract the students of the department who have classes there are about 40 people per year interested,” Historically about 20 to 30 have gone on to concentrate in M.E. (with about 75% actually fulfilling all the requirements for concentrating). Most students will not notice much change in the fall when the new option becomes available. But over the next few years the ability of the M.E. department to be more flexible in changes in the field may mean that a lot more people are interested in the Mechanical Engineering program at Caltech.

Five Seniors Chosen For Paid Fellowships

By LAUREN STOLPER

Five seniors have won prestigious fellowships for study abroad. Robb Rutledge ’02 has won a Watson, Serena Eley ’02, a Loeb, Michael Shulman ’02, a Churchill, and Kristin Englund ’02. May ’02 have received Fulbright awards. Rutledge’s, whose option is biology, will spend his Watson year traveling throughout the Pacific re- searching Areas en the Beagle in order to study evolution- ary issues. He will be doing field work on his own and with several research groups.

For her Luce year, Eley, also a physics student, will research at Cambridge University and as a Churchill Scholar will live in Churchill College.

This year’s Watson Award winner, Robb Rutledge ’02 joins five other students selected for simi- lar summer science fellowships.

Construction Delayed For Recycling Center

By MICHELLE GIRON

Caltech’s recycling center, which had long been used by members of the Caltech community and area residents, has been temporarily closed since last fall. Originally located across the street from Avery house on Holliston Avenue, the recycling center will be relocated to the site of Caltech’s previous fire station. Due to a holdup in the removal of trailers at this site by the city of Pasadena, the construction of the new recycling center is being delayed. Delina Delmon, who oversees Caltech’s recycling program, predicts that the new recycling center will be completed in early June.

The new center will operate like the old one: recycling will be operating on a “self-serve” basis in that separation of recyclables will be done by users of the center. The center will be open to public, but electronics recycling (i.e. computers) will be open only to the Caltech community.

Currently, there are two custodians that handle all of Caltech’s recycling; collecting recyclables from different locations on campus. Houses can obtain more recycling bins by contacting Delmy Emerson at the Physical Plant. The new recycling center will greatly expand recycling operations on campus, but Emerson notes that it is ultimately the effort of members of the community that will improve recycling at Caltech.
Nearby Blair High School Offers New Service Program

BY YULIYA RUVINSKAYA

Even though it is only a few miles away, most of us probably do not know much about Blair High School. It is located right off the 110 Freeway, and accommodates over twelve hundred students, including students with limited English skills, and honor level and Advanced Placement courses are offered for outstanding students in many subjects. A number of students are enrolled in Blair’s International Baccalaureate program, making them highly competitive for college admission as well as entering the workforce.

The Pasadena Unified School District requires all high school students in tenth grade or above to take the District Proficiency Exam, in an attempt to reduce the number of high school graduates with inadequate math and English skills. These exams are offered to juniors. Having made a choice to make up any one section that they did not pass. Although a large number of students who attend Blair do well, some students do not pass all of part of this exam, and are in danger of not graduating.

The administration makes every effort to bring the number of students below par. Teachers make themselves available before class and during breaks, and several groups of volunteers continue to tutor students during and after school. One such group, the Coordinating Office for Literacy, Expediting Bridges, and Karen Ross of Blair High. Serena and Wood organized a group of Blair Caltech students that puts to use its math and communication skills in an attempt to help Blair students graduate. To the people interested in an environment densely saturated at home, an advanced placement calculus problem is evident. In the weeks of tutoring, I met a senior who did not know long division, a student placed in second term of algebra who ditched the entire first term and did not know what the inequality symbols meant, and an underclassman who could not multiply single digit numbers without the use of her fingers. While most of the students ask for help in intermediate level algebra or geometry, and do not seem to be in danger of failing the Exit exam, it often becomes clear that these students do not have a solid understanding of such fundamental concepts as fractions and cross-multiplication.

Most students seek help voluntarily, and can negotiate with their teachers. They read the books, attend classes, and show remarkable improvement after a session or two of one-on-one instruction. The greatest challenge for the tutors is often not communicating the material to the students, but convincing them that they need to practice concepts they believe they already understand—often greater progress could be achieved if students attended more of the sessions they said they would attend.

Although California’s policies have changed to allow students with a goal of getting into college with less worry about this term than I am concerned, the student body in general will be less worried about this term than I am. Increasingly, a number of students are seeing the importance of these courses, and are working to retain passing grades. This trend is likely to continue, and will resume after Blair’s spring break.

From Caltech Media Relations

PHYSICS DEPT. IN SEARCH OF NEW FUNDING

Continued from Page 1, Column 3

population is growing. Despite the fact that the current largest class will graduate this year, Charlene Liebaw, Director of Undergraduate Admissions, predicts that the student class next year will be big. In the long run, more undergraduate and graduate students are likely.

Generally, the TA wages increase by approximately 6% every year to help the most, the program is off to a good start, and will resume after Blair’s spring break.

PASADENA, Calif.—In our daily life we recognize our shoes, the grocery store, automobiles, animals, and our mother-in-law, just by having a feeling for the shape, texture and size. How do we learn to do it? And, can we build a machine that will do it for us?

In the near future, Dr. Perona, a professor at the California Institute of Technology, addressed these questions in his talk, “Can a Machine Learn to See and Feel?” As part of the Caltech’s Student-Faculty Conference, on April 22, 2002, the Pasadena Unified School District reduced the entire first term and did not know what the inequality symbols meant, and an underclassman who could not multiply single digit numbers without the use of her fingers. While most of the students ask for help in intermediate level algebra or geometry, and do not seem to be in danger of failing the Exit exam, it often becomes clear that these students do not have a solid understanding of such fundamental concepts as fractions and cross-multiplication.

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Palestine: Peaceful Solution
Few Saints, Many Sinners in the Holy Land

By MICHAEL RUSSO

There are few saints and many sinners in the Holy Land. Few, indeed, are the leaders who have countered to a situation in which so much can be considered to have gone wrong. Among the Israeli policies that have been invoked is the argument that the Palestinian Authority has not acted strongly against terrorism in the West Bank and Gaza Strip. This is a valid point, though it must be remembered that the Palestinian Authority has not had the luxury of countering terrorism with an equivalent military force.

The Palestinian Authority has been faced with the challenge of countering terrorism in a region that has been occupied by Israel for over 50 years. The violence that has characterized the region has been driven by a complex mix of political, economic, and social factors.

In the current military action, Sharon's solution for the Palestinian problem is to force them to accept his terms. Sharon's visit to the Temple Mount, with an armed escort of over 1,000 Israeli soldiers, was the prelude to the massacre at the gates of Jerusalem. Sharon's solution for the Palestinian problem is to force them to accept his terms. Sharon's visit to the Temple Mount, with an armed escort of over 1,000 Israeli soldiers, was the prelude to the massacre at the gates of Jerusalem. Sharon's solution for the Palestinian problem is to force them to accept his terms. Sharon's visit to the Temple Mount, with an armed escort of over 1,000 Israeli soldiers, was the prelude to the massacre at the gates of Jerusalem.

The Israeli offensive has raised troubling questions about the future of the region. It is clear that the current military action will "leave no seed to trickle out." Encouragingly, the UN evaluation of Israel's conduct in the West Bank points to an urgent need for a change. It is time for the international community to take a stand and force Israel to comply with international law. Palestinians deserve to live in peace and safety, and we must work towards a solution that respects their rights and preserves their dignity.
German School Shooting Kills 18

On Friday morning, in the eastern city of Erfurt in Germany, a nineteen-year-old student brought a pistol and shotgun into the school campus. Dressed in black, the male student began a ten-minute shooting spree which resulted in the deaths of thirteen teachers, two girls, a school secretary, and a police officer. With commands coming in on the student, he took his own life after the shootout. The apparent motive for this rampage was that he was recently expelled from the school and now felt unable to handle it.

Two Trains Collide in Southern California

Pointing out that the sun blinded him and that he was unable to see the yellow warning lights, the engineer of a freight train ran into a Metrolink passenger train near Placentia Tuesday morning. The head-on collision killed two people and injured more than 150 others. Despite the fact that the Metrolink engineer applied the emergency brakes and stopped the passenger train, the freight train engineer was unable to prevent the accident when he saw the two red warning lights signaling the train to stop.

U.S. GDP Grows 5.8 Percent

On Friday, numbers released by the Department of Commerce showed that the first quarter GDP rose 5.8%, the highest jump in more than two years. This growth showed that growth this quarter will be impossible as there are probably more people waiting in line right now. Despite the fact that the Metrolink engineer applied the emergency brakes and stopped the passenger train, the freight train engineer was unable to prevent the accident when he saw the two red warning lights signaling the train to stop.

"River Mania:" More than a quarter of the general population procrastinates. College students are particularly susceptible to chronic and debilitating procrastination engendered by working, such as helplessness. Some reasons people procrastinate relate to factors inherent to the environment here at Caltech, while others stem from facets of one's personality or emotional makeup that influence one's approach to work. The reason for procrastination may be as simple as over time management or ineffective study skills.

Burnout

Students at Caltech have many demands placed on them, and may find themselves feeling overworked and demotivated as a result. Procrastinating may be a way to take a time to accommodate other areas of life that get neglected when working hard. Problems outside of school can contribute to burnout and intensify pro-
Managing Work, Time

Continued from Page 4, Column 5

crassinating behavior, such as dealing with a death, a break-up, or personal illness.

Fear of Failure

Students often fear being judged, evaluated, or having their work critiqued. Putting something off prevents self-esteem and shields you from judgment by providing "an" excuse for what is less than perfect performance: "I could have done better if I had more time to study." When students' self-worth is based on their intellectual abilities, this pressure to excel academically becomes even greater, especially if they overvalue the opinions of others. Observing others with high expectations of themselves that are often impossible to meet, making the process of completing a project more difficult. Focusing on a perfect end-product makes your task more daunting and in turn more difficult to get started.

All-or-Nothing

Procrastinators often believe that their work must be completed before they can accomplish anything, making it difficult to appreciate any progress along the way. Thus, if they believe they need big blocks of time to get things done, compelling them to put off tasks until the last minute makes that ideal block of time impossible to find. In some cases, even sitting down to complete a task in one sitting may keep you from getting started at all. Breaking a large task into smaller, more manageable tasks can help you track your progress towards your goal.

Fear of Control

People who are striving for independence may resist authority and procrastinate when they feel controlled by others. They may believe they need big blocks of time to get things done, compelling them to put off tasks until the last minute. Breaking a large task into smaller, more manageable tasks can help you track your progress towards your goal.

Fear of Commitment

Fear of control is a misconception that avoidance will enable you to develop a new approach to doing your work. The Caltech Counseling Center is always available to help students with their needs.

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DILBERT® by Scott Adams

WHAT'S THAT FOR?
I KEEP A RUNNING TALLY OF HOW MUCH OF MY TIME YOU WASTE.

... AND I THOUGHT IT WAS A FROZEN SNAKE. BUT IT WAS ACTUALLY A HOE!

THE SENTENCE FINISHER
I THINK I SHOULD TAKE THIS MONEY FROM ORPHANS?

NO, I MEAN, I SACK AND NEED... A LARGE AN ALIBI?

YOU'RE FINISHING MY SENTENCES WITH... UNCAUCY ACCURACY?

GAAA!
DON'T BE AFRAID.

I MADE A CAMOUFLAGE SUIT OUT OF ORANGE WALL FABRIC. HEM. HEM.

YOU NEED MORE MATERIAL. IT WAS A MISTAKE TO MAKE A TIE.

UM... YOU GAVE ME AN ASSIGNMENT THAT ISN'T MY JOB AND DOESN'T NEED TO BE DONE.

I'M TRYING TO TAKE OVER ANOTHER DEPARTMENT BY DOING THEIR WORK. LATER I'LL SAY THEIR MANAGER SHOULD REPORT TO ME.

CAN WE AT LEAST PRETEND MY JOB IS USEFUL?

I'M PRETTY SURE THEY'VE DISCOVERED THE DOORWAY IN TIME.

WHAT'S THAT FOR?

... AND I THOUGHT IT WAS A FROZEN SNAKE. BUT IT WAS ACTUALLY A SHOVEL!

WE'RE SUPPOSED TO MAIL IN OUR TAXES TODAY, BUT I'M NOT SURE I CAN BRING MYSELF TO DO IT.

DO YOU KNOW THAT IN ENGLAND THEY CALL FRENCH FRIES "CHIPS"?

THEN WHAT ARE CRISPS CALLED?

IT'S CRAZY. PARENTS DEMAND WARNING LABELS ON CDS...

ALL IN THE NAME OF PROTECTION CHILDREN.

YOU HAVE THE HIGHEST RATIO OF UNAVAILABILITY TO USEFULNESS I'VE EVER SEEN.

DOES THAT QUOTE MEAN YOU'RE A SECONDARY AM

WHAT'S THAT BOUND YOUR MASK?

... LIKE AN INSULT?? IF I COULD DO PATH I WOULDN'T BE WORKING IN HUMAN RESOURCES.

THIS WEEKEND I CLEARED OUT MY TOOL SHED.

IF I COULD DO MATHEMATICS I WOULDN'T BE WORKING IN HUMAN RESOURCES.

I DON'T THINK I CAN BRING MYSELF TO DO IT.

MOM! TELEPHONE!

IT'S DADDY!

ALL RIGHT. I'M FINISHING MY SENTENCES WITH A LARGE SACK AND AN ALIBI?

I'M THINKING OF TAKING OVER ANOTHER DEPARTMENT BY DOING THEIR WORK. LATER I'LL SAY THEIR MANAGER SHOULD REPORT TO ME.

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DON'T I ALWAYS?

EXCUSE ME FOR BEING FLEXIBLE.

I RAN OUT OF MATERIAL.

IT WAS A MISTAKE TO MAKE A TIE.

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THEN WHAT ARE CRISPS CALLED?

IT'S CRAZY. PARENTS DEMAND WARNING LABELS ON CDS...

ALL IN THE NAME OF PROTECTION CHILDREN.

YOU HAVE THE HIGHEST RATIO OF UNAVAILABILITY TO USEFULNESS I'VE EVER SEEN.

DOES THAT QUOTE MEAN YOU'RE A SECONDARY AM

WHAT'S THAT BOUND YOUR MASK?

... LIKE AN INSULT?? IF I COULD DO PATH I WOULDN'T BE WORKING IN HUMAN RESOURCES.
Dean’s Corner

It’s The Big Day

by Jean-Paul Revel

what can be done and what cannot. However it is mostly left to later study groups or decision making bodies to suggest or take measures to solve the problems that were identified. I understand that the timing of such maintenance is a topic to be brought to the conference, as it interferes with the sleep of students who have had to stay up late finishing their homework set (they would not stay up for a less worthy reason, of course not). That’s the kind of problem which I presume will not be very hard to solve, and in fact might even be solved in some other way, using, say, the good offices of Residence Life. But there are clearly many other problems which will require analysis before they can be tackled effectively. Having an SFC will not solve anything, just help bring problems into the open.

Do not let that discourage you. The Conference program lists some unusual opportunities of interest to all. It is a chance for questions to be asked of the “upper administration”, President Baltimore, Provost Steve Koonyn and VP/Gary Lorden. It is also an opportunity for new students at the Institute. They know Caltech as you know it, from the inside, being more or perhaps less recent alumni. It is also a chance to hear views about the “Quality Of Life Outside the Classroom”, which I understand will be mostly focused on advising. And then there will also be a discussion of that perennial topic, the Honor Code. Least, but still important in the morning. It’s a chance for questions to be asked of the “upper administration”, President Baltimore, Provost Steve Koonyn and VP/Gary Lorden. Following this session, a particularly interesting perspective should be that presented by Prof. E. Adams, whose students at the Institute. They know Caltech as you know it, from the inside, being more or perhaps less recent alumni. It is also a chance to hear views about the “Quality Of Life Outside the Classroom”, which I understand will be mostly focused on advising. And then there will also be a discussion of that perennial topic, the Honor Code. Least, but still important in the morning. It’s a chance for questions to be asked of the “upper administration”, President Baltimore, Provost Steve Koonyn and VP/Gary Lorden. Following this session, a particularly interesting perspective should be that presented by Prof. E. Adams, whose students at the Institute. They know Caltech as you know it, from the inside, being more or perhaps less recent alumni. It is also a chance to hear views about the “Quality Of Life Outside the Classroom”, which I understand will be mostly focused on advising. And then there will also be a discussion of that perennial topic, the Honor Code. Least, but still important in the morning. It’s a chance for questions to be asked of the...
Summer Work Study: Information and applications for 2002 Summer Work Study are available in the Financial Aid Office. If you are interested in Summer Work Study, please submit the required application materials no later than no later than June 1, 2002. Your entire financial aid application must be complete by June 1 in order to be considered for Summer Work Study. If awarded, the work study funding will begin with the July 1st paycycle.

Grant Announcement: The National Collegiate Inventors and Innovators Alliance is seeking proposals for the second annual competition. The competition will offer $10,000 to the winning teams of the following categories: the best research projects, the best patent ideas, and the best commercial applications. Grants support student inventions and projects, and faculty course development. Deadline: May 15, 2002. Information and Application: http://www.nccia.org. 413-587-2172 or info@nccia.org.

Are you interested in working for this year's Tom's, Caltech's Annual Literary Anthology? We are in the process of recruiting students to help assemble this year's magazine. If you produce any creative works (poetry, prose, short stories, photography, painting, computer art, original music, etc.) then please submit (either by e-mailing at toms@its.caltech.edu or snail mail to MSC 4920). You could come to our weekly meetings and be a reader. All you have to do is read through the submissions and let us know what you think and in the process help us decide what makes it into the magazine and what doesn't. We strongly encourage any level of participation. We can also be reached at toms@its.caltech.edu.

Attention all undergraduate students on Financial Aid: The last date to request any change to your 2001-02 financial aid award is Wednesday, May 1, 2002. Requests for 2001-02 changes made after May 1 will not be considered. Please contact the Financial Aid Office at ext. 6260 if you have any questions.

The F. T. Bell Undergraduate Mathematics Research Prize: A cash prize of $500 awarded for the best original mathematics paper written by a Caltech Junior or Senior. Contestants must be nominated by a faculty member familiar with the work. If the entry is sufficiently worthy, the faculty member will nominate the entry. The prize committee may award this prize to more than one entry. All contestants are entitled to only one entry. All contestants must submit their papers in final form to their faculty sponsor by the end of the fourth week of the Spring term. The prize will be awarded on the basis of the entrant(s) who submits the best paper before the end of the third term. The committee will award duplicate prizes in case of more than one outstanding entry. The name of the winner (or winners) will appear in the commencement program.

The Morgan Ward Competition- Open to any Caltech or sophomore or freshman. Entries may be individual or joint, but each individual or team member may submit only one entry. An entry consists of a mathematical problem with a solution or significant contribution toward a solution. The problem may have any source which should be stated in the entry. The entries are judged on the basis of the nature and level of solution. Indicate any outside references used. Entries from each contestant or group must be delivered to 235 Morning by April 30. The name of the contestant(s) must be on the entry. The judges will select from each group. The judges committee will consist of three undergraduates. The judges will select a group of finalists and submit their entries to the mathematics faculty who will make the awards. Prices of $75 will be awarded for the best entries. Prices for individual entries will be limited to one per contestant; no group may receive more than one prize.

The EH&S Office in conjunction with the American Red Cross will be offering First Aid/CPR training. Adult First Aid/CPR classes will be held on Monday 6/17, 6/19, and Friday 6/21 from 8:00 am to 12:00 pm at the Brown multipurpose room. Adult/Child/Gurt First Aid/CPR training will be held on Thursday 5/9 and 5/11 from 8 am - 5 pm, and also a separate class on Tuesday 6/18 and Thursday 6/20 from 8 am - 5 pm at the Guggenheim Classroom. Pre-registration is preferred. Adult/Child/C GT First Aid/CPR classes will need to attend both nights of the class to be certified. The fee for the materials is $15.00 and must be paid prior to taking the class. If you have questions or would like to register for the class, please contact the EH&S Office at ext. 6727. Class size is limited.

The Ballroom Dance Class is currently offering two ballroom classes: Mambo and Swing. Next week will be the 3rd of 5 classes, but if you have any previous experience, come learn new moves! Mentor, taught by professional instructor Kristi Wiz, is held on Mondays through April 29. 5:00pm for all classes. $5/class or $25 for the four class block through May 1. $1/session (free for freshmen). All classes take place in Winner Gym from 7:30-9:00 pm, followed by a half hour practice session. No partner necessary, refreshments provided. On Mondays, after the class, they will have Salsa practice, and anyone can attend. 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 8:15 until 10:15 pm in the Health Center Lounge. The group is a great place to meet new friends and the atmosphere is generally relaxed: at the same time, personal and “serious” discussion topics are often raised and discussed. This is a great way for students to begin to process and express their own sexual orientation; supportive students and staff are welcome as well. And refreshments are served! For more information or to be added to the email list, please email LGBT@its.caltech.edu. Information on LBGT events on campus, please visit the Caltech Student Pride Association (CS-PA) website: http://www.cs-pa.caltech.edu.

Are you interested in discussing life at Caltech and in the United States? If so, the Intersection Discussion and Support Group provides a forum for Caltech students to explore the process of cultural adjustment and relate across cultures. The group meets every Monday from 12:15 pm in the Beckman Center (Classroom 252, 2nd Floor, North Side, 125 East California Boulevard, 125 East California Boulevard, the Center for Student Services). This group is facilitated by the Counseling Center and is open to all Caltech undergraduate and graduate students. For more information, please contact Jenneke at jenneke@its.caltech.edu if you plan on attending one of these meetings, this is a great place to have enough friends. Home for lease: Close to Caltech: 2510 Thoreau in Chapman Woods. Please call 626-577-5500.

The Windstar Foundation, a 501(c)(3) non-profit educational organization, co-founded by John Denver and Thomas Crum, and headquartered in Snowmass Colorado, has consistently sought ways "To change lives, to enrich the human spirit, and to create a sustainable balance between the natural and the human world." The Foundation is pleased to announce the Windstar Environmental Studies Scholarship Program for 2002. With this mission in mind, the Windstar Foundation is awarding three $500 scholarships to qualified college students. Eligibility Criteria: The applicant must be enrolled as a student in an accredited college or university Environmental Studies or Environmental Engineering Program majoring in his or her junior or senior year in the fall of 2002. The applicant shall have a college GPA of 3.0 or better in his or her major field. Visit www.windstar.org for more information. Applications are due June 1, 2002.

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

Upcoming Events

James Memorial Scheinman Series presents Charley Kohlhase, Cassini Science and Mission Design Manager, with "Art and Science: Adventures in Creativity." Charley Kohlhase, a planetary mission designer, artist, author, teacher, environmentalist, and public outreach specialist, will exhibit some of his own and others’ photographic work from the microscopic to the remote as well as computer-animated clips and selected projects that combine art and science. During his long JPL career, he led mission design teams for five of the outer planets, three times receiving NASA medals for exceptional performance. He is one of the world’s leading designers of ‘deep-space’ robotic missions. Kohlhase, who has authored two books and one award-winning computer graphics adventure game, will also briefly discuss the creative process and his future vision that results from combining the analytical problem solving of the scientist with the creative process of the artist in a single career. The evening will be moderated by Dr. Andrew Chase, JPL’s Assistant Director for Public and Government Affairs. The evening will begin at 7:00 p.m. on Monday, March 25, at the Beckman Center. For more information please contact Retrachtadine (626)-395-3563 or michelle@exec.ohio.com.

Pasadena Symphony: Music Director Jorge Mester and sisters Ida and Ana Kavafian (who play violin, viola and cello, respectively) will be featured in several upcoming concerts. See "Les-Bi-Gay-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 8:15 until 10:15 pm in the Health Center Lounge. The group is a great place to meet new friends and the atmosphere is generally relaxed: at the same time, personal and “serious” discussion topics are often raised and discussed. This is a great way for students to begin to process and express their own sexual orientation; supportive students and staff are welcome as well. And refreshments are served! For more information or to be added to the email list, please email LGBT@its.caltech.edu. Information on LBGT events on campus, please visit the Caltech Student Pride Association (CS-PA) website: http://www.cs-pa.caltech.edu.

The ninth annual Semana Latina will take place this year from April 28th-May 4th. Semana Latina is organized by Club Latino and CLASES (the graduate and undergraduate Latino student organizations) and is one of the most highly anticipated events at Caltech. Look for posters and advertisements that will appear soon on a bulletin board near you! All events will be free and will be presented outside Winnet Center unless otherwise noted. Lunch will be served for a $4 fee. The current schedule of events is as follows:

Monday April 29th - Lesbian, Gay, Bisexual, Transgender Awareness Day and Cross-Dressing Day - free family event, reserve the right to edit and abridge all material. Deadline is noon Friday. Unless specified, all events will run for two weeks.

To inherit a Mint, e-mail mintes@its.caltech.edu or mail your application to Caltech 40-58 Atte. Mints. Submissions should be no larger than 150 words. Email is preferred. No attachments, please.

The California Tech Review is dedicated to bringing you the latest university news, events, and entertainment in a format that is easy to read and navigate. For more information, please visit our website at http://www.wstar.org.

Ray, 7:30!

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