Hrabowski reaches out to minorities

BY KEVIN BARTZ

Freeman A. Hrabowski, III’s second-grade textbook was a tattered hand-me-down, cast-off from the white school across town. At the age of 12, law enforcement jailed him for leading the 1963 Children’s March protest against segregation. And later that year, Klan dynamite razed his nearby Baptist church, killing four of his seventh-grade friends.

It would have been easy enough to call himself a victim, to sit on the flanks of history, safe from harm. That mindset wouldn’t have earned him a Ph.D. in Math at age 24. He wouldn’t have transformed the University of Maryland into a US News-accclaimed “academic powerhouse,” let alone lead 400 minority students to careers in science. In short, he wouldn’t have been the free man he is today.

“These days, I tell my students what my mother told me: ‘you don’t have time to feel like a victim,’” he said. “What we push them, motivate them to take themselves to the next level, it takes pressure; it takes commitment.”

The President of the University of Maryland, Baltimore County, founder of the Meyerhoff Scholarship Program and author of the best-selling Overcoming the Odds took the podium last Tuesday to outline his tough-love approach to training minority scientists: “Best Practices: Producing High-Achieving Minority Students in Science, Mathematics, and Engineering.”

Drawn from 30 years in academia, Hrabowski’s advice

NEWS BRIEFS...

Third term will be your last chance to take a Russian class at Caltech. The Russian program comes to an end at the end of this year, and Lecturer George Cheron will no longer work at Caltech.

On Jan. 29th, 2001, Cheron received a letter of termination from the HSS division chair at Caltech, effective immediately. The letter stated that Cheron’s last few reappointment letters, and furthermore that he had acted in accordance with standard policy. However, he admitted that he had failed to handle the case well.

After examining the evidence and testimonies, the committee found no evidence of a personal bias toward Cheron by Ledyard, and that the procedure for handling course changes in the HS department was fair. However, while the committee found that no violation of procedure had occurred, it did find that white, “The Caltech faculty is accustomed to having its colleagues treated with compassion and sympathy... the handling of Dr. Cheron’s case fell short of meeting these customary expectations.”

They further stated that Dr. Cheron deserved an apology, and that the procedures for handling Lecturers should be reviewed to prevent this situation from occurring again.

Cheron remains unsatisfied by the findings of the committee. In a letter back to the chair of the committee, Cheron disagreed with the majority of the findings and expressed his opinion that “one impartiality on campus can never be achieved.” He concludes by saying that he now feel(s) free to take action off campus. He is seeking employment elsewhere.

BY JON FOSTER

An HIV-like virus, known as a lentivirus, has been used to modify the genome of mice. The virus, called HIV, is the most dangerous of the lentiviruses.

The mice have the new gene permanently and hence it is inheritable to oncoming generations. Transgenic animals are valuable, both for lab studies and for biotechnology’s future. They can be used to produce certain vaccines that are desirable for plants and animals, provided the trait can be identified and localized in another organism’s genome.

BY IRAN PARKINSON

It’s very strong on getting students into labs.” For their part, UMBC’s founders established the predominately white school as a public research university in 1866. Today, Hrabowski strives to broaden its audience.

“We spend a lot of time thinking about what it means to be a high achieving minority in math and science,” he said. By any measure, dedication is foremost. “The first thing we do is give them problems they can’t do.”

The student group NABE has two ways of introducing the lentivirus into cells. Firstly, microinjection of virus under the layer that protects recently fertilized eggs and secondly, injection of demediated fertilized eggs in a concentrated solution of the virus.

The mice have the new gene permanently and hence it is inheritable to oncoming generations. Transgenic animals are valuable, both for lab studies and for biotechnology’s future. They can be used to produce certain vaccines that are desirable for plants and animals, provided the trait can be identified and localized in another organism’s genome.

Inside the Tech

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IHC writes Baltimore regarding student concerns

January 14, 2002
Dear President Baltimore:
This letter of dissent is respectfully submitted to publicly document our disagreement with some of the suggestions put forth by the Task Force on Undergraduate Residence Life Initiatives (TURLI) and the way the task force was coordinated. TURLI was charged with investigating a number of very important issues in a relatively short amount of time and they should be commended on much of the work they have done. The suggestions on physical renovation are quite marked and most of the student body thinks quite well of most of them. However, the email you sent on December 26, 2001 suggests you have already received opinions from individual students and alumni that objected to some of the more inexact changes the report commented on.

We hope this letter will be able to address some of our objections, including the makeup of the committee, the contents of the survey, and the parts of the report that have been made public on http://turli.caltech.edu/.

STUDENT REPRESENTATION ON THE TASK FORCE
The Task Force saw the need to have student representation in order to produce an accurate report on student issues. We do not believe that the students chosen represented the views of the student body at large. In the other student faculty committees (Freshman Admissions, USAH, Grievance, etc.), the IHC interviews all student candidates. We select people based partly on their ability to represent others, including people in other houses and those off campus. The list of people we select is sent to ASCIT for approval. The students on TURLI were selected in a very different procedure. The IHC and ASCIT each nominated three people and the chair of the TURLI selected who would be on the committee. She also chose two people to represent the off-campus viewpoint. We do not believe representational student government means that a committee chair should pick a full half of the representatives and to play such a key role in picking the others.

(Former IHC chair served as an ex officio member despite her desire not to be involved with the committee. She wanted one of the other members of the IHC to fill this position and spoke to the coordinator about this, but her request was not granted. Your email did not recognize this fact, nor the fact that she didn’t have a vote on the committee.)

In choosing its student representatives to the committee, the IHC and ASCIT each attempted to find students who would represent the viewpoints of the student body as a whole instead of only the students living in the seven houses. Thus, when two students were selected for the committee to specifically represent an off-campus viewpoint, it yielded an unbalanced committee. Among the undergraduate body in general, more than half of the students live in the student houses and there are always plenty of upperclassmen that want to live in them, but can’t do so because of space limitations. However, of the five students on the committee, only one lived in one of the seven houses last year. In the future, we hope that student representatives will be selected solely by the students themselves. This is the only way to ensure that the student body is well represented.

THE SURVEY
On June 5th, Dr. Feldblum emailed out a survey to all undergraduates asking for their opinions on the house system and rotation. While this information is clearly valuable, we question whether the survey was as effective as it should have been. Despite the fact that it was shorter and respondents had four times as much time to complete it than IHC’s annual student survey on rotation, the IHC survey received more responses (260 for the IHC survey; 228 for the TURLI survey). We argue that the wording of the TURLI questions was leading and led a self-selected group of respondents. Indeed, many students apparently thought the entire task force was to, as Dr. Feldblum put it in her June 23rd email, “dismantle the house system” after receiving the survey. We also question how numerical results were obtained to the open-ended questions on the TURLI survey. You pointed out that “60% of the respondents expressed reservations about the process of rotation.” There was not a closed yes/no question which asked, “What were your negative experiences with Rotation?” Does the 60% figure mean that 60% of respondents answered this question? If not, how was the 60% figure determined? We don’t see how an objective interpretation could be made from the data.

We doubt that the people who do put stock in this would submit to being impinged if 60% of those surveyed expressed some negative experience about them.

In conclusion, the IHC survey showed that 90.4% of applicants were satisfied with the house they got into. This is especially significant because 4.6% of respondents said they wouldn’t be happy in any of the seven houses. 82.7% of respondents did not find the rotation rules to be restrictive and 75.9% of respondents considered the rules effective in preventing the houses from going to extremes to recruit freshman. These data seem to be in opposition to the results of the TURLI survey, but are consistent with previous IHC surveys. The IHC survey contained a single open ended question that allowed respondents to write down comments. A majority of the responses were positive with such comments as “Rotation gets a bum rap. I really think it’s necessary for this school.” “Rotation is fun. The houses get to know each other better than we get to know the Houses, I got into the House I ranked 3rd and it’s the House I should be in.”

A student survey is crucial for examining student opinion on these issues. We would like to pose the challenge of evaluating why the task force survey had different findings than the annual IHC survey and of creating an objective survey that would be in direct student representative opinion.

THE REPORT ITSELF
It must be noted that Appendix E of the report still hasn’t been made public. We hope this does become public in the near future so that we too can have access to all of the information used by the committee to reach its conclusion. The report causes a significant amount of concern to us, especially in light of reservations that have been expressed by the student members of the committee. Eric Tuttle has said that drafts of the report did not have strong language and that explosive statements such as “The task force unanimously recommends that the committee be seriously reconsidered, and that there is sufficient evidence to call for relatively swift, substantial changes.” If the existing system were added merely to give the report a strongly asserted opinion. Some student members of the committee did not need the for this strong language and objected so much that they believe that some of the "unnecessary" rulings of the committee are notunnecessary. A student on TURLI said “the decisions that were made and recommendations put forth were certainly not unanimously and this report does not accurately reflect the proceedings of the task force.”

Afoicio member Dana Vukajlovich said the chair of the committee presupposed changes

PLEASE SEE IHC ON PAGE 3
IHC: CONTINUED FROM PAGE 2

should be made in some cases while the committee didn't agree. She said that the most extreme suggestion was put forth, but not less extreme suggestions or opinions that things should remain unchanged.

The report also describes problems that it thinks are endemic to the house system, but does not offer case examples or say how they are caused by the house system. For example, they cite pornography in the houses twice in the article. They don't say what pornography is in which houses and how it is an issue with the house system, instead of with the people who are viewing it.

We know of an off-campus student living in Caltech affiliated housing who had a stripper at her birthday party in her off-campus house, but the task force did not comment on such issues in off-campus housing. There is no evidence that the housing system is the cause of pornography, alcohol abuse, or any other ill.

House traditions are regularly analyzed by house excoms, the RAs, the Deans, and the Director of Residence Life. All of these people are extremely open to all viewpoints, even those expressed by a small minority of people. For example, the food throwing and "flooting" at some dinners is not seen by participants to be a lack of standards and decorum, but a testament to the familiarity students in a house feel towards one another. These activities are usually rarer than the Task Force seems to believe and there are accommodations for those students who wish not to participate, such as "non-target" tables or non-float lists. Initiations, traditions, and even daily routines are continually examined and changed. To justify radical changes to anecdotal evidence which has not been made public is therefore ridiculous. It is also important to note that these changes have been so successful because of student self-governance. Students should continue to be responsible for any changes to our traditions.

The IHC strongly dissents with the opinion that rotation should be drastically changed or eliminated. The current process allows a good compromise of what freshman want and what the houses want and all parties are generally happy with the results. The report does quote 1960s student Tom Jovin, saying that "rotation is just as arbitrary as assignment. Dropping rotation would save a great deal of time and effort on everyone's part and offer the freshmen a more welcoming and real introduction to the school." It doesn't explain why Jovin's 40 year old words ring truer today than they did when he first said them or what caused the Institute to reinstate rotation. The report omits data from any of the annual IHC rotation surveys that say that rotation is a huge success. Most freshmen get into houses they want to or later find much their personalities. It also doesn't say that rotation and the rotation rules are reviewed by the IHC annually and that the rules and procedures do change to make things fairer and to address any dissatisfaction with the rules. Our current rotation procedure is significantly changed from what it was in Jovin's day and Jovin himself may support our process if he saw that over 90% of people were satisfied with the house they got into. It is our understanding that when Jovin spoke those words, the incoming freshmen were not even allowed to rank their favorite houses; instead the new students simply submitted the names of the four houses in which they could be happy, and they had no way of differentiating between their favorite house and their fourth-choice house. Since then, the rotation process has changed so drastically that most of us today are horrified by the procedures in the 1960s. It is little wonder that Tom Jovin was disturbed by the Rotation process then, but it is surprising (and frightening) that the administrators of Caltech would use his 40-year-old words to describe the events of today. If current students still feel as Jovin did, why weren't they quoted in stead?

SUMMARY

Perhaps the best part of the whole report is that "the task force is in unanimous agreement that all the recommendations in this report should be presented and discussed with students in a series of town hall meetings and conversations." We hope that these meetings will be taken seriously and that opinions voiced in these meetings will be listened to. We think these meetings may elicit a better picture of the opinions of the student body than the final report that was submitted by the Task Force. We would like student representatives to always be selected by other students and for decisions about our school to be based on more than subjective surveys and "facts" which prove to be dated and inaccurate.

"Thank you for your time.

Sincerely,
Marcus Williams, IHC Chair and
Dabney President
Dinkur Gupta, IHC Secretary
Victoria Sturgeon, Blacker President
Travis Waddington, Dabney Vice President
Sean McHugh, Flemming President
Dan Liebling, Lloyd President
Aaron Davies, Page President
Richard Kamensky, Rickets President
Sarah Hunyadi, Ruddock President
Kathleen Elliott, IHC-chosen rep. on TURLI

Where it matters most.

As one of the world's leading diversified technology companies, we're breaking new ground in everything from defense and commercial electronics to business aviation and special mission aircraft. As a Raytheon employee, you'll contribute to the development of exciting, revolutionary technology designed to make life better, easier and safer throughout the world. Such as our STARS air traffic control system. And our awarded winning NightSight™ technology.

But it all starts with you. Your creativity. Your knowledge. And enthusiasm about the future. In return, we offer exceptional training and professional development opportunities, a supportive, down-to-earth work environment, and incredible benefits including flexible schedules designed to respect your quality of life.

Visit our Career Booth on Thursday, January 31

So, you can still show off all those great qualities of yours outside work, too.

Please e-mail your resume to resume@rayjobs.com ( attachments, U.S. citizenship may be required. We are an equal opportunity employer.

Opportunities are available in the following areas:

Computer Science
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Math
Physics
Chemical Engineering
Aeronautical Engineering
Finance/Accounting
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Check out our Website at www.rayjobs.com/campus for further information including a calendar of over 300 career fairs across the U.S. Raytheon is 1 of 340 corporations that make up the employer of choice in a diverse workplace by attracting, retaining, and recognizing the most talented, resourceful and creative people.
CRC BYLAW CHANGES

This past week, the ASCiT BoD proposed Bylaw changes, to be voted upon by the undergraduate body on Wednesday, January 23, to formally recognize the Conduct Review Committee Student Co-Chair as an elected position and to outline procedures for appointing students as representatives to the CRC. Proposed changes to Article IV and Article VIII list the CRC Student Co-Chair position as a non-ASCiT Corporation elected position, with voting taking place alongside the second-round of ASCiT officer elections. Article XVI was newly scripted to delegate a panel composed of 4 outgoing BoD members, 4 IBC members, and the outgoing CRC Student Co-Chair with the responsibility of selecting 6-10 students as representatives to the Conduct Review Committee. BoD arguments leading to the proposed changes are available in the January 9, 2002 ASCiT Minutes and the current issue of the Tech. The BoD strongly encourages all undergraduates to vote on this new piece of legislation on the day of election. Changes are indicated with strikeout and new material with italics.

ARTICLE IV—OFFICERS

SECTION 1. The general officers of the Corporation shall be the President, Vice President, Secretary, Treasurer, Interhouse Committee Chair, Director for Academic Affairs, Director for Social Activities, and two Directors at Large. These offices, and those of Board of Control Secretary, Conduct Review Committee Student Co-Chair, and Editor of the California Tech are elected offices.

ARTICLE VIII—ELECTIONS AND PROCEDURES

SECTION 4. All registered undergraduates may vote for the Vice President (Board of Control Chairman), the Board of Control Secretary, and the Interhouse Committee Chair, and the Conduct Review Committee Student Co-Chair. Only members of the Corporation may vote for other elected officers. A voter may cast no more than one ballot in each election.

ARTICLE XVI—Conduct Review Committee

Section 1. The position of Conduct Review Committee Student Co-Chair is not a Corporation office and shall be open to any undergraduate. Procedures for electing the Conduct Review Committee Student Co-Chair will follow those as outlined in Article VIII.

Section 2. The application period for Conduct Review Committee appointments shall be opened no later than 1 week after the election of a new Conduct Review Committee Student Co-Chair. The application period shall remain open at least one week.

Section 3. Students shall be interviewed for appointments as Conduct Review Committee representatives by a 9-member panel consisting of 4 members of the outgoing Board of Directors, 4 members of the Interhouse Committee, and the outgoing Conduct Review Committee Student Co-Chair who shall chair the meeting. The outgoing Conduct Review Committee Student Co-Chair shall only have a vote in the case of a tie. The delegates from the Board of Directors and the Interhouse Committee to the appointing panel shall be selected on a consensus of the respective bodies. If the CRC Student Co-Chair serves on either the Board of Directors or the Interhouse Committee, he shall remove himself from serving as a representative of either body. No student may represent both bodies on the 9-member appointing panel. The appointments shall take place no later than 2 weeks after the application period closes.

Section 4. The appointing panel shall select 6-10 student representatives.

What's new at the Y?

- Alternative Spring Break is coming! Look for the article in today's paper for more information, and don't miss the meeting this Wednesday at noon in the Winnett Club Room.
- On-campus tutoring program started last week. If you are interested in tutoring local middle school and high school students in science and math, contact the Y for more details, or drop by a tutoring session: Tuesdays and Thursdays, 4:00pm - 6:00pm in the Winnett Club Room.
- Norton Simon Museum. Enjoy fine art close to home at the Norton Simon Museum in Pasadena this Saturday, Jan 26. Transportation is provided; admission is free for students. Contact dsw@asctic for more information.

Did you know?

The Y has a PA system available for rental for student events. If you are having a special event, you may also want to inquire about using our barbeque grill or purchasing balloons. Stop by the Y for more information about renting equipment or cosponsoring your event with the Y.

The Y ExComm meets every Monday at noon in the Y Lounge to plan upcoming Y events. If you are interested in what we do, please stop by! The Y is located on the first floor of the Student Services Building, south of the Holliston parking structure.

STUDENT-FACULTY CONFERENCE RESOLUTION

In light of the upcoming Student-Faculty Conference (SFC), to be held April 29, 2002, the BoD approved a new resolution to recognize the SFC as a biennial event, charged with the responsibility of reviewing topics relevant to undergraduate life and proposing ways to improve the campus atmosphere. While a small number of students will serve on the committees themselves, all students are reminded that their opinions are vitally important and can be reviewed by committee members as posts online. The BoD encourages all students to visit the SFC website for updates on progress and committee proceedings.

Resolution XXV-Student-Faculty Conference

The Associated Students of the California Institute of Technology, Recognizing that open lines of communications between students and faculty are an important factor in maintaining a positive campus atmosphere, Observing that periodically students and faculty need to step back and look at the "big picture," Recalling that previous campus-wide meetings between students and faculty, called the "Student-Faculty Conference," have done much to improve academic and campus life, Taking note that the Student-Faculty Conference has not occurred for a number of years, Believing that there is a need for regular Student-Faculty Conferences, Noting further that there is a need for follow-up and implementation of the ideas presented at Student-Faculty Conferences,

1. Calls for the Student-Faculty Conference (SFC) to be held every two years beginning in the 2001-2003 academic year;
2. Encourages a limited number of topics of discussion to be decided upon prior to the SFC by ASCiT and its associated committees;
3. Calls for committees to be formed prior to the SFC to study and investigate the topics decided upon;
4. Recommends that the committees write a final report prior to the conference date containing the following:
   a. Findings;
   b. Recommandations;
   c. Plans for further work or implementation;
5. Calls upon the committees to publish the report to the entire campus community;
6. Requests that the SFC be held on a date acceptable to both students and faculty;
7. Emphasizes the need for wide participation from students, faculty, and administration in the committees and the SFC itself;
8. Authorizes ASCiT and its associated committees to be responsible for appointment of students to the committees.

RESUMANIA

Caltech Alumni will be on campus to:
- review your resume
- give you advice & suggestions for improvement

Bring your resume to the tent on Olive Walk
Career counselors will be available to answer quick questions.

Sponsored by the Career Development Center ext. 6361
At CEFCU, You Can Be Sure the “Fine Print” is Always...Fine!

Some banks try to disguise their high-cost credit cards with “teaser rates” or introductory offers. They sound great...until you read the tiny type. That’s where our Credit Union VISA is different.

Our VISA is a straightforward, honest card. No gimmicks. No hidden fees. Just:

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NOT YET A MEMBER? All it takes to join is a $5 deposit in our high-yield, federally insured savings account, and a $25 membership fee. Just visit our on-campus branch and apply for your low-cost VISA at the same time.

Hrabowski
CONTINUED FROM PAGE 1

be explained. “The idea is to get them accustomed to the fact that math and science aren’t easy; they may be fun, but they aren’t easy.” Key factors also include solid parenting and spirituality, as well as teaching children to “deal with all those outside forces,” in his own words.

Among his Meyerhoff Scholars, about 85% are Christians and 96% are Muslims, he said. In a decade of racial profiling, his students have broken ground in national educational trends. “Some people thought it was kind of funny that I wrote a book about smart black kids,” he mused. But the results are no joke: with a continuing focus on comprehension—Hrabowski advises against overloadings on courses—85% of Hrabowski’s Meyerhoff Scholars go on to graduate and professional school. Through 265 students over eight years, that’s enough to make quite a dent in the 1% of minority Ph.D.’s nationwide— and everyone from MIT to Caltech knows it.

One person at Caltech, Martin Luther King, Jr., [Hrabowski] has shown us something tonight,” lauded Caltech President David Baltimore. “One man can make a difference.”
APRISO Information Session
When: January 22, 2002, at 5:00PM
Where: 3rd Floor Conference Room in the Center for Student Services
Apriso is the world’s premier provider of plant and warehouse automation solutions for fortune 1000 companies. We are headquartered in Long Beach, California with an international presence in Poland, France, Germany, UK, Australia, Japan, Mexico, Brazil, and Singapore. Visit our website at www.apriso.com. All Computer Science/Engineering majors are encouraged to attend.

APRISO On-Campus Recruiting
When: January 24, 2002
Where: 3rd Floor Career Services in the Center for Student Services
We are looking for Software Developers to work in our Long Beach headquarters. All Computer Science/Engineering majors and candidates from other degrees with proven, exceptional programming skills are encouraged to attend.
Dean’s Corner

All about torches

by Jean-Paul Reve

My concern that rainy morning on seeing those helicopters poised over Campus was expressed by recent events in several of the Student Houses. Particularly bothersome in this regard is the decision of some students that it would be fun to burn some old Christmas trees in their courtyards. Now we all understand the atavistic pleasure of having a fire. It sure is a lot of fun but, hardly should have to say that it can also be incredibly dangerous to surrounding things and people. Whenever there are exciting, fun things to do, be they climbing mountains or making fires, one always needs to weigh the “fun” against the possible consequences. In the age of the Neanderthals of course, the balance was on the side of having a fire. They only had to worry about placing the fire near the entrance to their cave, to avoid being smoke out and discourage wild beasts in search of an easy and (I have read) tasty dinner. So for them no cavemen (ugh). But Caltech houses are not caves, nor do we need to keep wild animals at bay. So for us the balance is against having fires in the entrance way or anywhere else (except a reasonable fire in the fireplace). It should be unnecessary to point out that pyromaniacal activities put others in danger. And it does not require: great leap of imagination to conjure up the idea that putting others in danger is truly taking advantage of others. Don’t torch the place don’t. A bientôt!

Jean-Paul Reve
Dean of Student
The Caltech Flying Team is looking for new members! Caltech is a member of the Pacific Coast Intercollegiate Flying Association and competes in the annual SAFECON flying competition in Feb-

uary. The Flying Team is a recruitment, bomber, and many others. You do not need to be a pilot nor a member of the Caltech Aero-Association in order to participate! For more information on joining the flying team or attending practices, contact Elaine Ou (elou@caltech.edu) or Gillian Warren (gillar@caltech.edu), or visit the Aero Association web page at: www.its.caltech.edu/aero.

The Caltech Ballroom Dance Club is offering two new five-week class series. Viennese Waltz and Rumba. VIENNESE WALTZ taught by professional instructor Melissa Akizuki, starts place on Monday, Feb. 1, and runs through Friday, Feb. 25. Classes are $60 per person, and $40 for couples. (West. Jan. 9, 12, 16, 23, 30. Feb. 6) is volunteer taught and costs $15 per class. All classes are held at Wimett Lounge from 7:30-9pm, followed by a half-hour practice session. If you missed the first two classes was held during the all-day work period, please contact the instructor.) You do not need to be a partner, partner required. On Mondays from 9-11 pm we offer a mini-ballroom dance party (first half-hour coin included with Viennese waltz practice) - request or bring your own music. For more information, contact Megan Knight at knight@its.caltech.edu.

CIT Guitar Classes for winter quarter will meet on Tuesdays in SAC Room 1, starting January 15 as follows: Beginner Guitar Classes: 4:30-5:30 pm, Intermediate Guitar Class: 5:00-6:00 pm. Advanced Guitar Classes: 6:00-7:00 pm. Classical and flamenco repertoires are explored, but classes are open to all levels. The Beginner Class is taught as individual instruction. Classes are free to all students and members of other Caltech community. Please bring your own guitar and wear casual clothing. For more information, please contact Michael Schut at mschut@its.caltech.edu or Associated Students at www.as.caltech.edu.

The Glamour Magazine’s 2002 Top Ten College Women Competition has been a competition in recognition of the achievements of major or GPA. All entries must be postmarked by January 31, 2002. Contact the Dean of Student Office, 102 Parsons-Gates, for the application.

Work-Study Opportunity at JPL. Compton Gamma-Ray Observatory Archive Data Analysis for Studying Temporal and Spectral Properties of Gamma-Ray Sources. This is an announcement of opportunity for one or more undergraduate students in physics or astronomy to participate in a part-time work study program to process and analyze archival data obtained by the Compton 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. Experience working in black hole and accretion disc galaxy 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). Employment would be on a part-time work-study basis during the spring semester and potentially up to 80 hours per week during the summer. If interested, or for further information, contact Dr. James C. Jing. (169-327, 858-354-2189, jingc@jpl.nasa.gov)

As a result of Irvine Foundation funding, Caltech has a limited amount of money available for divest-

ity programs related to underrepresented minorities and women for academic year 2001-2002. Pro-

posals 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 pur-

pose, attendance, date, location, and budget. Application forms can be picked up at the Caltech Y. An

Committee will review the applications and make the awards. For more information, contact Athena de Alba (athena@caltech.edu) or Greg Fletcher (gregf@caltech.edu) at ext. 6160.

Student Programming Board. The Caltech Women’s Center invites you to be part of the new and exciting programming 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 what 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. Graduate and undergraduate students, men and women encouraged to get involved. Contact the Women’s Center at ext. 325 or stop by our office in room 206 of the Student Services Center.

Atheneum Tennis Ladder. All Atheneum members, ages 18 and older, are invited to join a new men’s and women’s ladder program. Each week matches will be played between members within a ladder ranging from 1 to 5. Each of your trophies will be awarded. Signups welcome at any time. For more infor-
mation, contact John Bollam (872-3041) or Rich Delkany (626) 931-6798 or email to atheneum@caltech.edu.

The Student Phase Program is on winter term! Student callers are needed to contact all students nationwide. Sharpen your interviewing, negotiating, and networking skills while working in a fun and rewarding environment. Evening and weekend hours available! Paid training provided before you begin calling. Please apply by January 16. Pick up an application in Dadley Hall Room 209. Forms are encouraged to apply, but must be returned by Dean of Work for additional information please contact Luise at luise@caltech.edu or call ext 6325.

Community Service Opportunities Abound! The Caltech office of community service offers a variety of ways to participate in commu-
nity service. Opportunities include working with Habitats for Humanity, Union Station, Long Beach, Vons, Janss, and others. Work nights range from 6:30-9:30 pm, 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 five work study credits can receive $15 for their community service. To be included in the community service email list, or for more information about the Community Service Program, please contact Greg Fletcher at gregf@caltech.edu. ext. 6163.

The California Tech

40-58

Pasadena, CA 91126

8 Mints

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 3rd and 5th Mondays of each month from 6:30 to 9:15 pm in the Health Center Lounge. The group is a great place to meet friends and the atmosphere is generally very relaxed. The monthly and "lesbian/two" discussion topics can be addressed. This is a confidential meeting and attendance does not imply anything about a person's sexual orientation; supportive students and staff are welcome as well. And refreshments are served! For more information call ext. 8335. To find out about LBGT events on campus, please visit the Caltech Student Pride Activity Calendar (CARP) at http://www.its.caltech.edu/carp/. Are you interested in discussing life at Caltech and in the United States? If so, the Intercollegiate Discussion and Support provides a forum for Caltech students to explore the process of cultural adjustment and relating across cultures. The group meets every Monday from 12-1 pm in the Women’s Center Lounge. (256-65, 2nd floor of the Center for Student Services). This group is facili-
tated by the Counseling Center and International Student Programs, and is open to ALL Caltech students, graduates and undergraduate, American and international. Drop-ins are welcome. Since lunch is provided, please contact Jim at endicott@caltech.edu if you plan on attending one of the meetings. This will guarantee that we have enough food!

The Dean of Student Office needs tutors in all areas- biology is especially needed with the main requirement courses, e.g., MA 1, MA 2, PH 1, PM 2, etc. The pay is $10 per hour. A strong understanding of the subject matter, patience, and the ability to communicate well are qualities needed as a tutor. If you are an upperclassman and would like to be a Dean’s tutor please stop by the Dean’s Office to see Sandra located in 102 Parsons-Gates.

The SEG Foundation is pleased to provide information on scholarships awarded to students major-
ing in geophysics or a related science, directed toward a career in exploration geophysics. Applica-
tions and additional information is available via the internet (faint) or on the geophysics office. The deadline for submitting applications and all supporting documents for academic year 2002, is March 1, 2002. Applications may be sent by fax to 918-497-5550. However, supporting documents (reference letters and grade transcript) must be submitted by March 1. SEG Scholarship programs range from $500 to $12,000 per year with the majority of awards between $1000 - $2000. The SEG Scholarship Committee awarded $210,500 in scholarships for the 2001 academic year.

The Evalee C. Schwab Charitable Trust for Education is a trust created to give $500 interest-free loans to deserving and undergraduate students who meet the following criteria:

- be an American citizen, enrolled at an accredited institution,
- be a resident of the state of the school in which you are attending,
- have demonstrated financial need in the field of geophysics as evidenced by a strong GPA and
- outstanding performance on national standardized undergraduate and for post-doctoral admission tests.
- you must otherwise qualify for financial aid in the form of government grants.
- At present, this Trust is not accepting applications from foreign students, or from students seeking to complete a law degree. It is not the policy of this Trust to accept applications for those, dissertations, internships, residencies or fellowships. Regarding repayment, this Trust offers a 12-month "grace period" following graduation to all students. Repayments of the loans shall begin one year following graduation or with in one year of the time a student discontinues good faith pursuit of his or her scholastic career prior to graduation. The Trust determines the repayment schedule and time frame. Please contact Ed Robinson at 801-897-9600 or email info@evalee.org or visit the website http://www.evalee.org for more information.

WEST (Women in Engineering, Science, and Technology) will be holding several events this term. While the Lunch with Faculty Events are designed for female students and require an RSVP to west@caltech.edu, the Open Forum Events are open to the entire Caltech community (males and females, students, faculty, staff) and do not require an RSVP. Jan 22 - Lunch With Faculty, 12:00 pm Carriage House Speakers: Prof. Melanie Hunt and Linda Hsieh-Wilson Feb. 11 - Open Forum, 8:00 pm, Beckman Institute Auditorium Speakers: Prof. Dennis Dougherty, Jean Essinger, Jared Leadbeatter, and Erin Schuman

Title: A Day in the Life of a Caltech Professor

To submit a Mint, e-mail mint@caltech.edu or mail your pro-

posal to Caltech 40-58 Attn: Mints. Submissions should be no longer than 150 words. Email is preferred. The editors reserve the right to edit for style and content. Deadline is noon Saturday. Unique submit-
ters, all mints will run for two weeks.