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**Tue. 4:15 PM, Gates 22**  
**Mathemagician Persi**  
**Diaconis speaks!**  
 .....



**ADD DAY**  
**Friday Jan. 25!**

# The California Tech

VOLUME CIII, NUMBER 12

PASADENA, CALIFORNIA

JANUARY 21, 2002

## OUTSIDE WORLD

By William Fong

### Israelis Killed At Ceremony:

**Israel Retaliates:** On Thursday night, a gunman with a M-16 rifle entered inside a bat mitzvah gathering in Hadera and opened fire killing six Israelis and wounding more than 20 others. A community policeman killed the gunman. Israeli Prime Minister Ariel Sharon held Arafat and the Palestinian Authority responsible for the deaths. As a result, Israeli F-16 fighter jets fired seven missiles at the compound of the Palestinian governor of Tulkarem on Friday as an act of retaliation. Also, Israeli tanks moved into several Palestinian cities.

### Congo Volcano Erupts:

Mount Nyiragongo in the Democratic Republic of Congo erupted Thursday sending waves of lava down the mountainside and into the city of Goma. With a population of 500,000, as many as 400,000 have been forced to flee the town, most of them seeking refuge in nearby Rwanda. Fissures have appeared in the city, roads have been cut off by molten lava, and the entire city is covered by ash. Humanitarian aid is beginning to make its way into Rwanda to assist the estimated 300,000 refugees. The volcano last erupted in 1994.

### School Shootings:

On Wednesday Peter Odighizuma brought a .38 caliber semi-automatic handgun onto the Appalachian School of Law campus in Grundy, Virginia where he killed the dean L. Anthony Sutin, a professor, and a student. Sutin was a former acting assistant U.S. attorney general. Three others were wounded before the gunman was subdued by three students. Odighizuma, from Nigeria, will be charged with three counts of capital murder and three counts of use of a firearm in the commission of a felony.

### Train Derails:

**Ammonia Leak:** In Minot, North Dakota, a train carrying five tanker cars of anhydrous ammonia derailed, triggering a leak early Friday morning. Many people were admitted to the hospital to treat respiratory problems. Anhydrous ammonia, a concentrated farm fertilizer ingredient, has a great affinity for water resulting in many health issues.



## Hrabowski reaches out to minorities

BY KEVIN BARTZ

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

It would have been easy enough to call himself a victim, to sit on the sidelines as his governor stood in the doorway, to solicit pity as a sacrificial lamb in the fight against racism—but that wasn't enough for him. 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*-acclaimed "academic powerhouse," let alone lead 400 minority students to

careers in science. In short, he wouldn't be 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. "When I 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 Scholars 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

on "what it means to be a black scientist or engineer" detailed his Meyerhoff Scholars Program as a model of educational productivity.

With scholarships to 50 hand-picked freshmen, Hrabowski paves the way for Maryland's best and brightest. "Growing up, I just got goosebumps doing math problems," he reminisced. For his students, too, ambition comes first.

"You've got an environment that's very competitive, and maybe they were the best in their settings, but they didn't necessarily want to be smart," he explained. "As Meyerhoff Scholars, they're learning to make science a part of their lives;



we're very strong on getting students into labs." For their part, UMBC's founders established the predominantly white school as a public research university in 1966. 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,"

PLEASE SEE HRABOWSKI ON PAGE 5

## 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 John Ledyard. This sudden announcement and the popularity of the Russian program combined to make this more than a standard change of staff. Cheron appealed the termination, and students organized a petition to attempt to save the Russian Program and Cheron's job.

The Academic Freedom and Tenure Committee declined to hear Cheron's appeal on jurisdictional grounds. Faculty Chair Marianne Bronner-Fraser appointed a committee to hear the case. The gist of Cheron's case was that Chairman John Ledyard had a "personal bias" toward him that resulted in inhumane treatment. He maintained that he had been provided no adequate explanation for his dismissal, that he had been misled into believing that the Russian program would continue in the near future and that the enrollment for his class, the student petition in his support, and

his Lifetime Teaching Award from ASCIT combined to make his dismissal a poor choice.

In his appearance before the committee, Ledyard stated that Cheron's scheduled retirement was implicit in Cheron's last few reappointment letters, and furthermore that he had acted in accord 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 HSS department was fair. However, while the committee found that no violation of procedure had occurred, it did find that while, "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 "true 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. David Baltimore and his team have struck back after their study on single cell mouse embryos and have succeeded in virally infecting them such that a new gene from a jellyfish is permanently deposited into their genome.

Baltimore, who won a Nobel Prize on the genetic mechanisms of viruses 30 years ago, is using his prize-winning research for this new technique. He claims that this technique is much

easier and more efficient than the procedure now commonly used for creating such animals and also that it can be used to generate some other transgenic animal species apart from mice, for instance rats, which are, preferred lab animals.

The team developed two ways of introducing the lentivirus into cells. Firstly, microinjection of virus under the layer that protects recently fertilized eggs and secondly, incubation of denuded fertilized eggs in a concentrated solution of the virus.

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

-by Iram Parveen Bilal

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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 remarkable 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 immaterial 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://turl.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, UASH, 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.

(The 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 the 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 to a self-selective group of respondents. Indeed, many students apparently thought the goal of the 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 "Do you have reservations about rotation?" Instead, there was an open ended 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 impeached if 60% of those surveyed expressed some negative experience about them.

In comparison, 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 73.5% of respondents considered the rules an effective way of preventing the houses from going to extremes to recruit freshman. These data seem to be in direct 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 people 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 us 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 truly represent student 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 state-

ments such as "The task force unanimously recommends that Rotation be seriously reconsidered, and agrees that there is sufficient evidence to call for relatively swift, substantial changes to the existing system," were added merely to give the report a strongly asserted opinion.

Some of the student members of the committee didn't see the need for this strong language and objected so much that they believe that some of the "unanimous" rulings of the committee are not unanimous. A student on TURLI said "the decisions that were made and recommendations put forth were certainly not unanimous and this report does not accurately reflect the proceedings of the task force."

Ex officio member Dana Vukajlovich said the chair of the committee presupposed changes

PLEASE SEE IHC ON PAGE 3

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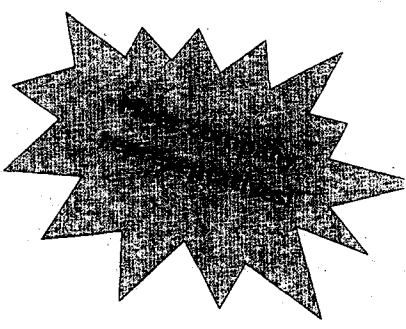
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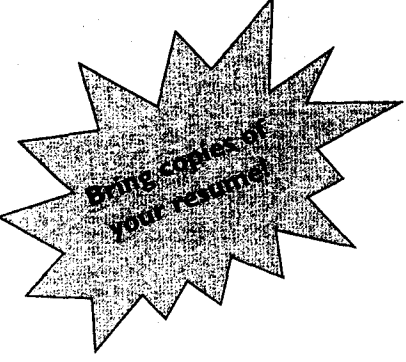
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**IHC:**

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 pomography in the houses twice in the article. They don't say what pomography 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 pomography, alcohol abuse, or any other ills.

House traditions are regularly analyzed by house excomms, 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 "floating" 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 reexamined 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 match 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 instead?

**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.

Thanks you for your time.

Sincerely,  
 Marcus Williams, IHC Chair and Dabney President

Dinkar Gupta, IHC Secretary  
 Victoria Sturgeon, Blacker President

Travis Waddington, Dabney Vice President

Sean McHugh, Fleming President  
 Dan Liebling, Lloyd President

Aaron Davies, Page President  
 Richard Kamesky, Ricketts President

Sarah Hunyadi, Ruddock President

Laura Elliott, IHC-chosen rep. on TURLI



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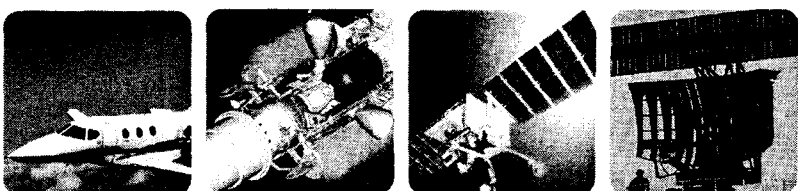
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## CRC BYLAW CHANGES

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 IHC 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 ~~strikeouts~~ 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 Chairman, 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-Chairman*, 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 Chairman, and the Conduct Review Committee Student Co-Chairman*. 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 based on 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.*

## 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 2001-2002 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. Recommendations;

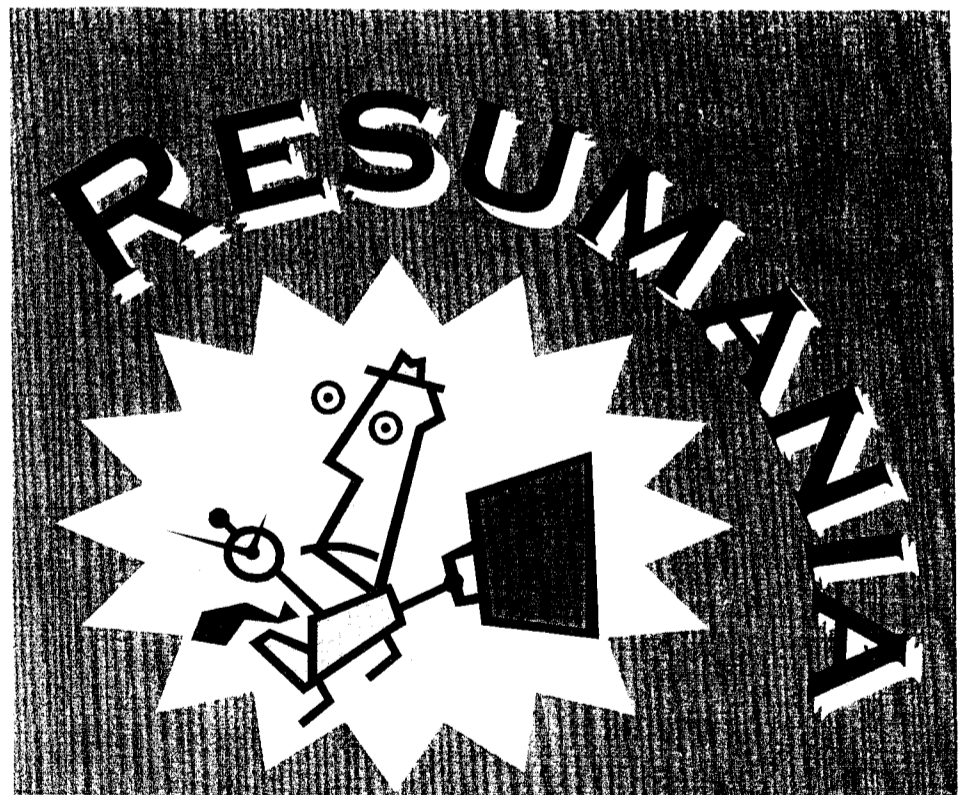
c. Plans for further work or implementation;

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

Friday, Jan. 25, 2002

11:00 AM - 2:00 PM

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for

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Bring your resume to the tent on Olive Walk

Career counselors will be available to answer quick questions.

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# Y

NEWS

by Nathan Wozny

### 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 - 6:00

pm 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 [dwu@its](mailto:dwu@its) 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 barbecue 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.

# A.S.C.I.T. Minutes

JANUARY 14, 2002

Present: BoD- Martha-Helene, Katharina, Marcus; Guests: Jon Dama, Rob Christy Meeting called to order at 5:08 pm.

**Guests**

DVD Library update. Jon Dama and Rob Christy made some recent purchases for the DVD security device. The exact details at the moment are rather hush-hush, but the DVD library should be up and running again soon. In related business, Joe Jewell was hoping to get a credit card devoted to Movie Chair DVD purchases such as

restoring attractive cases for the case-less DVD's and of adding to the DVD collection. Online purchases are ideal, though credit-card dependent. Money for restoring the DVD safety mechanism will come out of the Movie Events Budget, which is basically running at full and will not see any other significant withdrawals before the end of our term.

**General Meeting**

ASCIT van. In light of graduate school application deadlines, Todd did not get a chance to investigate the registration status of the ASCIT van, but he will be making inquiries soon.

Alumni Association. According to Nick, the Alumni Association is taking the initiative to send letters to parents updating them on recent administrative policy changes, especially those that

have not been received by the undergraduate body well, such as parking. The BoD extends its gratitude to the Alumni Association for being so proactive in support of undergraduates.

Upcoming concerns. Upon review of the ASCIT Bylaws, it was revealed that nominations for ASCIT President and Vice President/BoC Chair were supposed to take place this past week. However, the secretary (yours truly) neglected to place an announcement in the Tech advertising the opening of nominations and consequently, the application period will be delayed by one week. A CRC Bylaw will be discussed at the next meeting on Wednesday.

Meeting adjourned shortly afterwards at 5:42 pm.

Evidently,  
Justin

**Announcing the opening of nominations for ASCIT President and Vice President/BoC Chair:**

A sign-up sheet will be posted outside SAC 33 from 8 am Wednesday, January 23 through 5 pm Tuesday, January 29 for nominations to the office of the President and the Vice President/BoC Chair. Interested candidates are advised to send a picture and a brief profile outlining their qualities and reasons for running to the Tech at editors@tech.caltech.edu no later than 11:59 pm, Friday February 1. Applicants are reminded that they must be a junior or a senior in the fall term immediately following their election, as according to Sections 3 and 4 of Article IV in the ASCIT Bylaws. Direct responsibilities of these two officers can be found in Article IV of the Bylaws.

job to ensure that each member of the BoD is fulfilling their duties. The President is also responsible, with approval of the BoD, for appointing the Executive Committee and for serving on that committee.

Vice President/BoC Chair In the absence of the President, the ASCIT Vice President takes over the duties of that office. The Vice President will often represent ASCIT to the administration and other campus organizations like the Faculty Board and the GSC. He/she serves on the ASCIT Board of Directors and thus assists in coordinating the policies and activities of ASCIT.

The Vice President also acts as the chairman of the Board of Control and his primary concern is to insure the continuance of the honor system in the Caltech community. In this capacity he/she serves on the routing committee, which decides whether cases go to the BoC, CRC, or the Deans. Along with the BoC Secretary, the BoC Chair is responsible for conducting preliminary investigations of suspected BoC violations. He/she also presides over all BoC cases and insures that all proper procedures are followed.

# A.S.C.I.T. Minutes

JANUARY 16, 2002

Present: BoD - Katharina; Guests: Aaron Robison, current Conduct Review Committee (CRC) Student Co-Chair. Meeting called to order at 9:08 pm.

**General Meeting**

CRC Bylaw. Aaron Robison joined the meeting this week to discuss the proposed CRC Bylaw changes, which will appear in their full form in this issue of the Tech. The BoD revised a draft of the proposed changes, which include additions to Articles IV and VIII adding the Conduct Review Committee Student Co-Chair as an elected office. Recognizing that the CRC Student Co-Chair is not an ASCIT Corporation position, all undergraduates will have the opportunity to vote on this position. A new Article XVI was written to outline the procedures for selecting the student representatives to the CRC. While the

appointing panel that will select students as representatives to the CRC will include outgoing members of the BoD and the outgoing CRC student Co-Chair, the nomination period will open after the election of a new CRC student Co-Chair. Holding nominations after the selection of a new CRC student Co-Chair will give students the opportunity to decide whether or not to run as CRC representatives based on their assessment of the victor. The new Bylaw article calls for a 9-panel committee to appoint 6-10 representatives, a number Aaron recommended as a reasonable working number.

Student-Faculty Conference. In light of the upcoming Student-Faculty Conference (SFC), 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. Some availability problems arose with faculty members for the first proposed date of the Student-Faculty Conference,

resulting in the selection of April 29th as the new date of the conference. The BoD then held a closed meeting to appoint candidates to three of the SFC committees: Quality of Life Outside the Classroom, Women in Science, and the Honor Code. The ARC has been given the responsibility of selecting candidates for the Core Curriculum committee. Once all committee student representatives have been selected, their names will become public information. The BoD thanks all candidates who expressed interest in serving on the committees. Unfortunately, the committees are not able to accommodate all of the qualified candidates. While a small number of students will serve on the committees themselves, all students are reminded that their opinions are vitally important and will 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.

Meeting adjourned at 12:04 am.

Evidently,  
Justin

President The ASCIT President is ASCIT's official representative and in this capacity meets with Caltech administration and attends Faculty Board, Alumni Association, and GSC meetings when called upon. He/she also presides over ASCIT meetings and votes in case of a tie among the Board of Directors. All the responsibilities of the ASCIT Board of Directors are ultimately the responsibility of the President and it is his/her

## HRABOWSKI

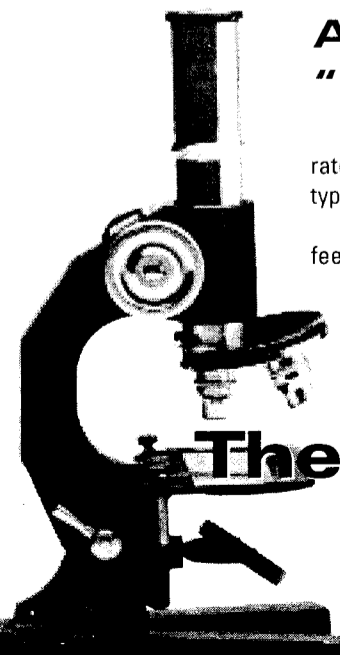
CONTINUED FROM PAGE 1

he 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, "something to counter all those outside forces," in his own words. Among his Meyerhoff Scholars, about 85% are Christians and 10% 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 overloading 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.

"In the spirit of Martin Luther King, Jr., [Hrabowski] has shown us something tonight," lauded Caltech President David Baltimore. "One man can make a difference."



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Comics

DILBERT® by Scott Adams

I'LL BE YOUR SERVER TONIGHT... WHOA, YOU'RE BEAUTIFUL.

WOULD YOUR GRAND-FATHER MIND IF I ASKED YOU OUT?

HE'S MY HUSBAND.

MOVING RIGHT ALONG, WOULD YOU LIKE TO HEAR ABOUT OUR SPECIALS?

GREAT JOB ON YOUR REPORT CARD, PAIGE!

THANK YOU.

GREAT JOB ON YOUR REPORT CARD, PETER!

THANK YOU.

GREAT JOB ON YOUR REPORT CARD, JASON!

AHEM.

OKAY, FINE. SUPER-DUPER-DUPER-DUPER-GREAT.

HEY, YOU ESTABLISHED THE BASELINE, NOT ME.

I GOT FIRED FROM MY JOB AT THE RESTAURANT.

EVERY TIME I CARRIED HOT SOUP MY THUMB WOULD SLIP IN AND I'D SCREAM AND SPRAY THE WHOLE DINING ROOM.

I BLAME THE SOUP.

STUPID SOUP.

GENESIS... NOTHING. EXODUS... NOTHING. LEVITICUS... NOTHING.

EZEKIEL... NOTHING. DANIEL... NOTHING.

REVELATION... NOTHING.

I DON'T GET IT - PUTTING 'N SYNC IN THE NEXT 'STAR WARS' HAS TO BE A BIBLICAL SIGN OF THE APOCALYPSE!

HERE, TRY A KING JAMES VERSION.

WE CAN HIRE YOU BACK, BUT NOT AT YOUR OLD JOB.

THAT'S OKAY. I'LL DO ANYTHING BUT SALES. I WOULD BE THE WORST SALESPERSON ON EARTH.

IT'S SALES.

DID I JUST SAY WORST WHEN I MEANT BEST?

WE'LL HAVE TO TRAIN YOU TO LIE BETTER.

PETER, WOULD YOU MIND HELPING ME SHOVEL THE DRIVEWAY?

YES.

IT'S COLD AND WET OUT, AND I'M SURE I WOULD MIND IT QUITE A BIT.

I DON'T KNOW WHY SHE EVEN BOTHERS ASKING.

SALES TRAINING

A TRAINED SALESPERSON CAN SELL ANYTHING TO ANYONE.

I WILL PROVE IT BY SELLING THIS ROAD-KILL TO ONE OF YOU FOR A THOUSAND DOLLARS.

UM... HOW WAS YOUR CLASS?

I GOT A HAT!

WHATCHA DOING?

STERILIZING PAIGE'S TOOTHBRUSH.

I SAW QUINCY CHEWING ON IT AND WAS WORRIED ABOUT THE GERMS.

THAT'S CONSIDERATE OF YOU.

THANKS.

HERE YOU GO, BUDDY. NOW IT'S SAFE.

SALES TRAINING

DON'T ACT LIKE YOU'RE SELLING SOMETHING.

A GOOD SALE IS LIKE A GOOD WEDGIE: YOUR VICTIM SHOULDN'T SEE IT COMING.

FOR THIS NEXT DEMONSTRATION I NEED A VOLUNTEER WHO CAN'T SEE WHAT'S COMING.

AAIEEE!!!

HOW WAS ICE SKATING?

GREAT!

THIS ONE GROUP OF HUNKY BOYS KEPT TRYING TO PICK NICOLE AND ME UP THE WHOLE TIME!

BECAUSE THEY LIKED YOU, OR BECAUSE YOU KEPT FALLING OVER?

LET ME END MY STORIES WHERE I WANT TO, OKAY?

SALES TRAINING

NEVER SELL TO YOUR CUSTOMER. MAKE YOUR CUSTOMER SELL TO YOU.

OUR PRODUCTS ARE ONLY FOR THOSE WHO DARE TO BE GREAT! MAKE THE CUSTOMER EXPLAIN WHY HE IS WORTHY.

WHAT DID YOU JUST CALL ME?

YOU HEARD ME, GOOBER. NOW BEG FOR OUR PRODUCT.

OUR SNOW BALROG WOULD BE A LOT MORE IMPRESSIVE IF IT DIDN'T KEEP MELTING.

MAYBE IF WE USED A TOUCH LESS LIGHTER FLUID...

FoxTrot by Bill Amend

GREAT JOB ON YOUR REPORT CARD, PAIGE!

THANK YOU.

GREAT JOB ON YOUR REPORT CARD, PETER!

THANK YOU.

GREAT JOB ON YOUR REPORT CARD, JASON!

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MAYBE IF WE USED A TOUCH LESS LIGHTER FLUID...

APRISO Information Session

When: January 22, 2002, at 5:00PM

Where: 3<sup>rd</sup> 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.aprison.com](http://www.aprison.com). All Computer Science/Engineering majors are encouraged to attend.

APRISO On-Campus Recruiting

When: January 24, 2002

Where: 3<sup>rd</sup> 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.

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# Dean's Corner

## All about torches

by Jean-Paul Revel

On the way in, last Wednesday morning, coming to work via Wilson Ave, I suddenly became aware of a stationary helicopter hovering in what, from where I was, seemed to be the vicinity of campus. I thought this odd, but I did not get alarmed until I got nearer, and realized there was not just one, but two machines, suspended over Campus. My first heart shrinking was that they were checking on some catastrophic event in the student houses. But no, the machines were really a bit West of Wilson-That was reassuring! That probably also indicated that they were not concerned with something on the Broad Center construction site, which, when I came up to it, was in fact abandoned in the rain. As I went on I saw that the clattering craft were not waiting vultures attracted by goings on in one of the Wilson garages, or in the Catalina housing units. The closer I got the less signs suggested a calamity. There were no police cars, no fire engines, no flashing lights around anywhere, no traffic jammed up, no flares glistening in the rain, no indications of anything awry, in fact no other traffic, no pedestrians huddling under their umbrellas on the sidewalks. Now that I was right on Campus I could tell that the ships were not even police helicopters, the familiar small red painted ones, but larger vessels. The mystery was solved only after a I got to my office. I was relieved to find no flashing message lights, no evidence of anything amiss. Before calling security I turned on the news and luckily just caught the picture of a torch bearer "just now" on Lake Avenue in Pasadena, the Olympic Torch being carried through town on its way to Salt Lake City. How could I have missed knowing of this! What a relief to find that my fears had been for nothing! I really should listen to the news in my car instead of Boccherini.

My misplaced anxiety at the sight of hovering helicopters has its roots in things that are taking place on Campus. Because of all the concerns it is unfortunate that Prof. Chris Brennen has had to decide, for compelling personal reasons, that he must retire from the helm of Student Affairs at the end of the month. A search for a new VP is, I understand, being organized. In the meantime the VP torch is being

taken up by Gary Lorden, Chris Brennen's immediate predecessor in the job, who has agreed to come out of administrative retirement to pinch hit even though it meant canceling other, long made, plans. And lucky for us he is done with Ma 2!.

With the news of Chris' hanging up one of his several hats, it would seem appropriate to recall some of the things he has done up to now. You know of course of his distinguished record in support of the students, first as Master of Houses, then as Dean of Students and since 1998, as Vice President. In last week's edition of "The Tech", Jon Foster quotes house president, Tory Sturgeon, to the effect that "Chris is incredibly kind and receptive and very understanding. Just an incredibly sweet guy." Indeed. Yet most students, although aware of him as willing to be dunked wearing his usual very proper suit and tie, most students probably don't know much about his life as a Prof. Why should they know that he is an internationally recognized leader in mechanical engineering through his research on cavitation? Or that, even while VP, he maintained a very active laboratory? Of the 210 papers that he has authored or co-authored in his career, 31 were submitted or published since he took the job as Vice President. To put this in perspective, getting the data and producing 2-4 papers a year is considered a rather substantial output, even for a Prof without administrative duties. Clearly Brennen is on the high side of the curve. In addition to his scientific contributions, he is an excellent watercolorist, and an avid outdoorsman. He has found the time and the energy to publish extensive and very detailed mountaineering notes based on his own climbs, entitled "Adventure hikes and canyoneering in the San Gabriels" and "...in the Southwest". He also wrote "The far side of the sky" a narrative of significant climbs, including a moving account of his ascent of the Grand Teton (see [www.dankat.com/history/front.htm](http://www.dankat.com/history/front.htm)). The spirit of the man comes through in two photos you can see on the web, one of him at the top of that peak last year ([www.dankat.com/swhikes/photos/phtet.jpg](http://www.dankat.com/swhikes/photos/phtet.jpg)) and another of him wading in a stream at the bottom of a steep rock canyon ([www.dankat.com/swhikes/author.htm](http://www.dankat.com/swhikes/author.htm)). Thanks, Chris, for your wise counsel and dedicated concern about the students' welfare.

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 to place the fire near the entrance to their cave, to avoid being smoked out and discourage wild beasts in search of an easy and (I have read) tasty dinner. So for them-no caveats (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 any where 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 a great leap of imagination to contend that putting others in danger is truly taking advantage of other Teachers. Don't torch the place don't!

A bientot!

*Jean Paul Revel*

Jean-Paul Revel  
Dean of Student

### CRIPPLING DEPRESSION GOES TO THE FUTURE

www.CripplingDepression.com  
By Ben Lee, Tim Wan and Mike Yeh

All characters are fictional. Any resemblance to anybody is purely coincidental. Comics represent the views of the authors and not the tech staff. Contact [feedback@cripplingdepression.com](mailto:feedback@cripplingdepression.com)

**COMIC STRIP TRANSCRIPT:**

**Panel 1:** FIVE YEARS IN THE FUTURE- BEN, TIM AND MIKE DRIVE ONTO CAMPUS. (Sign: Lot A Nobel Prize Winners Only)

**Panel 2:** WOW, THEY BUILT NEW PARKING LOTS. (Sign: Lot B Limousines Only)

**Panel 3:** (Sign: Lot C Movie Film Crew Parking)

**Panel 4:** ACHTUNG! WARNING! YAMETE! (Sign: WARNING: UNDERGRADS WILL BE SHOT ON PREMISES)

**Panel 5:** HUH?

**Panel 6:** WHAT THE HELL IS THIS? (Sign: NOW ENTERING NO FUN ZONE - KimWest)

**Panel 7:** IT'S A LIST OF IDEAS AND ACTIONS WE CAN'T PROMOTE OR EXPRESS ANYMORE

**Panel 8:** FIREPOT... ALCOHOL... MEN...? (Sign: SHH! YOU FOOL!)

**Panel 9:** Freddie Prinze Jr. Graduation Speaker

**Panel 10:** YOU GUYS PICKED FREDDIE PRINZE JR.?

**Panel 11:** NO! WELL, BALTIMORE PICKED HIM.

**Panel 12:** I HEARD IT WAS A BET

**Panel 13:** SO NOW WE HAVE INTEL HOUSE, AND STARBUCKS HOUSE, AND THERE'S AOL-TIME WARNER HOUSE

**Panel 14:** THEY RENAMED THE HOUSES BUT DIDN'T RENNOVATE THEM?

**Panel 15:** WELL YOU KNOW.

**Panel 16:** SOME THINGS NEVER CHANGE

**Panel 17:** DUDE, WE NEED TO GET BACK I CAN'T WAIT TO TELL EVERYBODY ABOUT THE NEW STAR WARS!!

**Panel 18:** HEY KIDS!! I'M LUCASFILM'S GEORGE LUCAS! ...DON'T DO THAT GUYS! YOU DON'T WANT TO RUIN THE MAGIC FOR THE KIDS!!

**Panel 19:** THIS IS FOR EPISODE ONE!!

**Panel 20:** OW! MY GROIN!

# Mints

## Announcements

**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 February. Competition events include navigation, bomb drop, flight simulator, 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 about joining the flying team or attending practices, contact Elaine Ou ([ou@caltech.edu](mailto:ou@caltech.edu)) or Gilead Wurman ([gwurman@caltech.edu](mailto:gwurman@caltech.edu)), or visit the Aero Association web page: <http://www.its.caltech.edu/~aacit>.

**The Caltech Ballroom Dance Club** is offering two new five-week class series: Viennese Waltz and Rumba. VIENNESE WALTZ, taught by professional instructor Melissa Atkinson, takes place on Mondays (Jan. 7, 14, 21, 28, Feb. 4). Classes are \$6/lesson for Caltech students, \$8 for others. RUMBA (Wed. Jan. 9, 16, 23, 30, Feb. 6) is volunteer taught and costs \$1/lesson. All classes are held in Winnett Lounge from 7:30-9 pm, followed by a half-hour practice session. If you missed the first two classes but know the basic step, come and learn new figures. Refreshments provided; no partner required. On Mondays from 9-11pm we offer a mini-ballroom dance party (first half-hour coincident with Viennese waltz practice) - request or bring your own music. For more information, contact Megan Knight at [knight@its.caltech.edu](mailto:knight@its.caltech.edu).

**CIT Guitar Classes** for winter quarter will meet on Tuesdays in SAC Room 1, starting January 15 as follows: Beginning Guitar Class-- 4:30-5:30 pm, Intermediate Guitar Class--3:00-4:00 pm, Advanced Guitar Class-- 5:30 -6:30 pm. Classical and flamenco repertoires are explored, but techniques transfer to other styles of guitar. The Beginning Class includes a jazz/folk chord system. Classes are free to Caltech students and other members of the Caltech community (space permitting). Undergrads can receive three units of credit. The instructor, Darryl Denning, has an international background in performance, teaching and recording (two of his CDs are available in the Bookstore). Mr. Denning can be reached at ext. 2923 or (323) 465-0881 or by email at [ddenning@caltech.edu](mailto:ddenning@caltech.edu). [www.music.caltech.edu/guitar.html](http://www.music.caltech.edu/guitar.html).

**Piano Player Wanted!** The Caltech Swing Band is looking for a piano player. Must be able to read music, and have some knowledge of chords and jazz styles. If interested, please contact Bill Bing [wbing@caltech.edu](mailto:wbing@caltech.edu)

**The Glamour Magazine's 2002 Top Ten College Women Competition** has begun. The competition is open to all full-time juniors regardless 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 Archival Data Analysis for Studying Temporal and Spectral Properties of Gamma-Ray Sources. This is an announcement of opportunity for one or two undergraduate students in physics or astronomy to participate in a part-time work-study research program to process and analyze archival data obtained by the Burst and Transient Spectroscopy Experiment (BATSE) onboard the NASA Compton Gamma-Ray Observatory. The major scientific objective is to study the properties of gamma-ray emission from cosmic sources including black holes and active galactic nuclei and neutron-star systems. For this research, it would be useful if the student had some experience with programming as well as working with the Interactive Data Language (IDL) package. Employment would be on a part-time work-study basis during the school year and possibly up to 40 hours per week during the summer. If interested, or for further information, contact Dr. James C. Ling, JPL 169-327, (818)354-2819, [james.c.ling@jpl.nasa.gov](mailto:james.c.ling@jpl.nasa.gov).

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

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

**Athenaeum Tennis Ladder.** All Athenaeum members, ages 18 and older, are invited to join a new managed tennis ladder. Once per month, ladder managers will post matches to be completed by the end of the month. Players call each other to arrange mutually agreeable date and time to play. The ladder includes both men and women, but matches will be formed between players within a few ladder rungs of one another. Each of year trophies will be awarded. Signups welcome at any time. For more information, contact Jane Wider at (818) 952-0941 or Rich Dekany at (626) 395-6798 or email to [athennis@caltech.edu](mailto:athennis@caltech.edu).

**The Student Phone Program** is hiring for winter term! Student callers are needed to contact alumni 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 Dabney Hall Room 309. Fresh are encouraged to apply, but must obtain approval from Dean to work. For additional information please contact Lucie at [lspencer@dar.caltech.edu](mailto:lspencer@dar.caltech.edu) or call ext. 6232.

### Community Service Opportunities Abound!

The Caltech Y offers students and staff a variety of ways to participate in community service. Opportunities include working with Habitat for Humanity, Union Station Homeless Shelter, math tutoring (on or off campus), reading tutoring, and working at local hospitals. One-time community service events are planned each term and opportunities for service on a regular basis exist. Undergraduates with federal work-study can receive \$15/hr for their community service work. To be added to the community service interest email list, or for more information about the Community Service Program, please contact Greg Fletcher at [gregf@caltech.edu](mailto:gregf@caltech.edu) ext. 6163. Or, stop by the Caltech Y in the Center for Student Services (formerly Keck House) for a complete listing of opportunities.

To submit a Mint, e-mail [mints@tech.caltech.edu](mailto:mints@tech.caltech.edu) or mail your announcement to Caltech 40-58 Attn: Mints. Submissions should be no longer than 150 words. Email is preferred. The editors reserve the right to edit and abridge all material. Deadline is noon Saturday. Unless specified, all mints will run for two weeks.

### 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 very relaxed; at the same time, more personal and "serious" 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. 8331. To find out about LBGT events on campus, please visit the Caltech Student Pride Association (CSPA) calendar at <http://www.ugcs.caltech.edu/~cspa/>.

Are you interested in discussing life at Caltech and in the United States? If so, the **Intercultural Discussion and Support Group** provides a forum for Caltech students to explore the process of cultural adjustment and relating across cultures. The group meets every Monday from 12-1 pm in the Women's Center Lounge. (265-86, 2nd floor of the Center for Student Services). This group is facilitated by the Counseling Center and International Student Programs, and is open to ALL Caltech students, graduate and undergraduate, American and international. Drop-ins welcome. Since lunch is provided, please contact Jim at [endrizzi@caltech.edu](mailto:endrizzi@caltech.edu) if you plan on attending one of the meetings, this will guarantee that we have enough food!

**The Dean of Students Office needs tutors** in all areas--help is especially needed with the main Institute requirements e.g., MA1, MA2, PH1, PH2, CH1, etc. The pay is \$10.00 an hour. A strong understanding of the subject matter, patience, and the ability to communicate well are the qualities needed as a tutor. If you are an upperclassman and would like to be a Deans' tutor please stop by the Deans' Office to see Sandra located in 102 Parsons-Gates.

## Scholarships

**The SEG Foundation** is pleased to provide information on scholarships awarded to students majoring in geophysics or a related science, directed toward a career in exploration geophysics. Applications and additional information is available in the Financial Aid Office. The deadline for submittal of applications and all supporting documents for academic year 2002, is March 1, 2002. Applications may be sent by fax to 918-497-5565. However, supporting documents (reference letters and grade transcripts) must be original documents. SEG Scholarships range from \$500 to \$12,000 per year with the majority of awards between \$1000 - \$2000. The SEG Scholarship Committee awarded \$201,500 in scholarships for the 2001 academic year.

**The Evalee C. Schwarz Charitable Trust for Education** is a trust created to give 0% interest loans to deserving graduate 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.
- clearly demonstrated excellence in academic achievement as evidenced by a strong GPA and outstanding performance on national standardized undergraduate and /or 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 theses, dissertations, internships, residencies or affiliations. 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 410-897-9600 or email: [info@evalee.org](mailto:info@evalee.org) or visit the website <http://www.evalee.org> for more information.

**2002-2003 National Academy Scholarships.** For 2002-2003, new scholarships of \$2,500 each will be awarded to eligible students majoring in nuclear engineering, power generation health physics, electrical or mechanical engineering, or chemical engineering with nuclear or power option. Please note that electrical and mechanical engineering majors without nuclear or power options are eligible disciplines. For additional information on nuclear industry career opportunities and the National Academy Educational Assistance Program, visit [www.nei.org](http://www.nei.org) "Careers & Education". Brochures and applications are available at the Financial Aid Office, 355 S. Holliston, 2nd floor. Complete application packages must be postmarked by February 1, 2002.

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

## Upcoming Events

**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 [westclub@caltech.edu](mailto:westclub@caltech.edu), the Open Forum Events are open to the entire Caltech community (males and females; students, faculty, and staff) and do not require an RSVP.

Jan. 22 Lunch With Faculty, 12-1pm, Carriage House  
Speakers: Profs. Melany Hunt and Linda Hsieh-Wilson  
Feb. 11 Open Forum, 7-8pm, Beckman Institute Auditorium  
Speakers: Profs. Dennis Dougherty, Jean Ensminger, Jared Leadbetter, and Erin Schuman  
Title: A Day in the Life of a Caltech Professor  
For more information on WEST, please email [westclub@caltech.edu](mailto:westclub@caltech.edu).

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