Nobel Centennial Symposium comes to Caltech

BY PHILIP WONG

On October 24, Caltech will join the world in celebrating the 100th anniversary of the Nobel Prize. As part of the ongoing celebration, the California Nobel Prize Centennial Symposium will bring Nobel laureates to UCLA and Caltech in the spirit of innovation and progress.

Founded in 1901 for achievements in physics, chemistry, medicine, literature, and peace, the Nobel Prize is now the most prestigious award in the world. The award alone has remembered dozens of revolutionary discoveries and honors many world leaders.

Because California holds the distinction of having more Nobel laureates (more than any other state in the United States or any other country, California is hosting this historic event. To celebrate the centennial of the Nobel Prize, Governor Gray Davis has made October 2001 "the California Nobel Laureate Month."

Caltech was given the great honor of hosting the symposium because 29 Caltech professors and Caltech graduates have received a Nobel prize since the 1920s, a distinction equalled only by Stanford University. The six Nobel laureates who will have been honored speakers include three Caltech professors: Dr. David Baltimore (Physiology or Medicine, 1975), Dr. Edward Lewis (Physiology or Medicine, 1995), and Dr. Paul Boyer (Chemistry, 1989) as well as two professors from UCLA Dr. Paul Boyer (Chemistry, 1997) and Dr. Louis Ignarro (Physiology or Medicine, 1998), and Dr. Alan Heeger (Chemistry, 2000) of UCSD.

While these Nobel laureates will speak on the topic of the Nobel Prize, they will also introduce three additional speakers that represent the next generation of pioneer scientists. The speakers will share their innovative research at this historic symposium are: Caltech’s own Dr. Richard Andersen, and Director of the Sloan-Swartz Center for Theoretical Neurobiology, who will speak on "The Neurobiology of Intention. Dr. Andrew Langle, the Marvin L. Goldberger Professor of Physics at Caltech, who will give a presentation entitled "Imaging the Embryonic Universe;" and Dr. K.C. Nicolaou, from Scripps Research Institute and professor of chemistry at UCSD, who will present "The Impact of Total Synthesis on Biology and Medicine."

In addition to the Caltech community and the general public, many renowned individuals have been invited to attend. Most notably are the Princess of Sweden and Nobel laureates from around the world who have been asked to come to Caltech for this historic event. While this symposium will celebrate the achievements of many individuals, it is the gain to humanity that will be honored on October 24th. When asked to comment on what can be gained by the community from this occasion, Caltech President and Nobel laureate Dr. Baltimore responded, "The event will help to add luster to the already lustrous Prize and will, we hope, remind politicians in Washington about the great value they have created by their funding of science and education."

Parking problems perused

BY JON FOSTER

If you’re never awake during business hours you might not have noticed it, but at times it can be near-impossible to find parking spots on campus. A growing campus population and increasingly strict rules on surrounding city streets have combined to squeeze Caltech’s limited parking resources. The change has been sudden, but Caltech is taking various steps to address the problem.

The most noticeable change for students is the new registration process which requires all cars on campus to display a placard. Albert Horvath, V.P. for Business and Finance, has been made responsible for parking issues explained that the purpose of registration process isn’t to go hog-wild on tickets, but rather to get a handle on the number of people wanting to park on campus.

Without a registration system Horvath explained that he had no clue how many students are trying to park on campus." The registration requirement commenced on October 8th so it is too early to see if it will decrease the number of outsiders parking on Caltech’s campus. The hope is that it will stopping outsiders, particularly PCC students, from parking on the east part of campus.

Another change will potentially have a much greater change on undergraduate life at Caltech. Freshmen entering in 2002 will no longer be allowed to have cars on campus. Horvath explained that this decision was made for a variety of reasons, including a desire to keep freshman on campus to acclimate them to the Caltech environment. He also noted that the prohibition on freshmen cars is common at other universities.

Horvath denied that the decision had been made because no incoming freshmen are around to complain about the change, but acknowledged, "There are downsides to any decision which changes something. We have a parking problem, and we need to get supply in pace with demand." The downsides to this decision are obvious at an instant.
Campus faces budget cuts

By KEVIN BARTZ

All across campus, prices are on the rise. Tagged at $10 apiece, yearly course catalogues raised many an eyebrow with their debut at the Caltech bookstore this fall, and city fitness buffs unwilling to shell out an extra $60 for membership at the Braun Athletic Center found themselves equally perturbed with the doubled fees. But in the fifth year since trustees voted to cut the school's annual endowment take, officials at Student Affairs and a full slate of administrative departments have trimmed expenses and streamlined operations in response to recently passed across-the-board budget cuts ranging from five to seven percent.

"Earlier this year, all but academic divisions had to decide whether to implement budgetary reductions," said Christopher Brennen, engineering professor and vice president of Student Affairs. "We tried to implement these reductions in ways that least affected students."

Handed down three months ago in a collective effort spearheaded by Financial Services, the mid-season budgetary fiat strives to shave four years of red ink off Caltech's bottom line. Strapped by unanticipated technology costs and universally tightened expenses, administrators sliced spending in everything from parking to health insurance. "It was a joint effort," said Sharon Miller, assistant vice president of Student Affairs.

"We all worked hard to think of ways to make our operations more efficient," said Brennen. "But in the eyes of students, ASCIT President Martha Helene Stapleton pegged the Catalogue's presence on bookstores as the impetus of the "most immediate student response." Distributed freely among students and faculty last year, the 400-page digest now brings in $10 each: a "disturbing" price for a volume detailing "policies that are important in everyday life," in the words of Stapleton.

"I know it's expensive to publish," said Miller, "but you could instead cut funding to publications that don't actually affect students."

"Rather than $10, Student Affairs earns only the publishing cost of each catalogue, according to Brennen. And with the same information openly available online, the department decided this summer to "save some trees and distribute the printed catalogue to only new students."

Still, a perceived rising trend in student costs spared many a worry among students. "The feeling is, 'What's next?'' said Fassler. "We're already at Caltech, we pay so many thousands a year to go to school and now another $10 for a stickin' catalogue?" Freshman Director-at-Large Joe Jewell chimed in: "I'm just glad students don't have to pay to use the facility."

In similar affairs across campus, only academic departments and certain self-funded groups such as Campus Auxiliary and Business Services (CABS), were left untouched. "Colleges always need to make sure the money they devote to devote money to research," explained CABS Director Tom Mannion.

In addition, scattered layoffs and open positions left unfilled released overflowing personnel expenses. Student health insurance also felt a mild year cost hike, and a just-passed regulation barring campus parking for freshmen is slated to take effect next year. "The administration needs to understand the necessity of transportation here," said Fassler.

Yet in the backdrop of a transport system racket nationwide in the aftermath of recent terrorist hijackings, admissions too may have to look for creative means of transportation, according to Brennen. Although the department's budget was not left untouched by the Student Affairs cuts, Miller remained confident that the enhanced strategies of the "extremely qualified" staff would not scuttle its "excellent record."

"Admissions has done an excellent job," he lauded. "With the increased focus on retention, both for every student and through attention to students by staff, the quality of admitted students is definitely going up."

In fact, last year's bumper crop of retained freshmen, pegged at $80% of the original crop, proved to be the institute's best in decades.

"This considered, Brennen and Miller have reason to be optimistic, despite budget strains. With ambitious fundraising plans already in place,Brennen cited a "major" upcoming Institute-wide campaign-Student Affairs has moved plans for the so-called Campus Center, a per-corporate, student, and with student, services, a theater and an inter-faith "Contemplation Center," beyond the conceptual stage. Proposals set into motion for a "complete overhaul of all communication facilities" will also proceed as the Institute seeks out donors for the project. However, the future aside, the universal 5-7% slash forced Brennen to prioritize for the present-and pick who and what he would shelter amidst the blood firestorm. The Study Abroad Program, Minority Student Affairs and performing arts facilities felt the least of the cutbacks, in the interest of "attracting and retaining minority and underprivileged students," according to Brennen.

The decision drew mixed reviews from students. "Minority Student Affairs? Those people don't exist," snarked Fassler. "I have mixed feelings about it, but I think it's a little excessive overall. FSI does not need to take a limo to its events," said Fassler. As a fun facet of the Study Abroad Program, he called it "definitely worthwhile, but too much money for not enough students."

Even so, Miller added a note of confidence that "this is evidence that Caltech cares. Students are willing to bear the budget for now." As long as this "isn't a precursor of things to come," in the words of Schuman, students "faith isn't shattered yet."

"The institute is a corner," offered Fassler. "Whose budget will we cut?"

By DON Ly

The normally drab walls of the Caltech Seismology Lab have been covered with colorful drawings of crayon. No elementary school graffiti artists didn't know how to break into it; the lab hosted a display of the winners of the United States Geological Survey Drawing contest. The contest, held in honor of Earth Science Week (Nov. 1-7), was open to Pasadena USD elementary students and had a specific theme: "The Earth Beneath Our Feet."

"The students, ranging from second to fifth grades, submitted an eclectic mix of their renditions of the Earth and the natural phenomena that are associated with it. The subjects ranged from Dalí-esque interpretations of the geological landscape to depictions of environmental consciousness. Prizes included official USGS shirts for first places, hats for second place, and geological posters for third place. All participants received USGS pencils and bookmarks for their efforts. However, the real prize was the increased awareness of the Earth and the sciences related to it. Wendy Shindell of the USGS emphasizes that it is important to incorporate fun activities with science at an early age in order to create a positive attitude towards science in future Technests?"

The pictures are posted on the second floor of the South Mudd Building (on the corner of California and Wilson) in the southwest corner of campus. The pictures will remain up for about another week and a half and then moved to the Kidspace Museum of Pasadena around Nov. 8. Currently, about half of the entries are on display in the lab, but every entry will be on display at the Kidspace Museum.

The winners of the contest (and their drawings) have also been posted online at the USGS website and are directly available at: http://pascadenews.usgs.gov/earthscienceweek/drawings.
DEANS' OFFICE TUTORS

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 Dean's tutor please stop by the Dean's Office to see Sandra located in 102 Parsons-Gates.
Marcus reports from Macedonia

Community outreach is the most pleasing job in the world. While I am still struggling to find paid work in Skopje, I am occupying my time volunteering with gypsies who live in squatter camps scattered throughout the city.

One camp, Klinitsa, is a small gypsy settlement nestled on the bank of the Vardar River. My perception of the place has changed sharply in the month I’ve been working here. Klinitsa was once a pristine fresh from a stint squatting the mountains of Greece and so I had a special appreciation for the lifestyle. The shelder I built for myself in Greece had been a meager construction of stone, moss and sticks, while the innova­ tion for the lifestyle. The workers at my organi­

The most obvious opportu­

Anthrax: As bioterrorism concerns rise here at home, the number of reported cases of anthrax exposure are increasing. So far, a photo editor for a book publisher from Florida has died from inhaling anthrax spores, the first anthrax death in the U.S. since 1976. There has been confirmed reports that letters sent to NBC newsman Tom Brokaw, an ABC news producer, CBS newsman Dan Rather, and to Senator Daniel Patrick Moynihan are all contaminated with anthrax. As a result, many of the staff members that were in the vicinity of these letters were tested and found to have been exposed to anthrax but had no symptoms. However, there have been reported cases of cutaneous (skin) anthrax among some of the staff members. Also, as a precau­tion­

The Popular Front for the Liberation of Palestine has claimed respon­

by William Fong

Anthrax: In America, as bioterrorism concerns rise here at home, the number of reported cases of anthrax exposure are increasing. So far, a photo editor for a book publisher from Florida has died from inhaling anthrax spores, the first anthrax death in the U.S. since 1976. There has been confirmed reports that letters sent to NBC newsman Tom Brokaw, an ABC news producer, CBS newsman Dan Rather, and to Senator Daniel Patrick Moynihan are all contaminated with anthrax. As a result, many of the staff members that were in the vicinity of these letters were tested and found to have been exposed to anthrax but had no symptoms. However, there have been reported cases of cutaneous (skin) anthrax among some of the staff members. Also, as a precau­tion­

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The Mars 2001 Odyssey spacecraft was in good condition Thursday as it began the final leg of its seventh Outreach program started this ery Monday at noon in the Y•• •• the Red Planet. Odyssey is scheduled to fire its main engine for 20 minutes on October 23rd—but contact can only be maintained with the craft for the first 10 minutes of this critical maneuver, before Odyssey slips behind Mars and communication is lost until Odyssey re-emerges at 7:46 Pacific Time.

If at that time mission controllers again hear from Odyssey, it will mark the first successful arrival of a NASA spacecraft at Mars since 1997’s Mars Global Surveyor, which is still returning data from Mars orbit N A S A officials hope for similar longvity for Odys­ sey. The spacecraft will search for water in the upper few meters of the Martian crust using a gamma ray spectrometer, map minerals with a thermal emission imaging system, and measure radiation levels that might pose hazards to future crews. This last radiation-monitoring instrument is one of several available for Odyssey, however, as controllers had to shut it down in August after it stopped responding. Mission controllers hope to revive the instrument after Odyssey is in its final orbit around Mars, but have delayed any repair attempts until they can interfere with the all-important orbital insertion.

Another headache for Odys­ sey and its handlers is the spacecraft’s star-tracker, which was damaged by excess light early in the mission and may require a work-around if it is to prove adequate for the spacecraft’s operations around Mars. But the most obvious worry for Odyssey is its self-­, which is currently ent­ gued in a globe-spanning dust storm whose unpredict­ able variations might complic­ ate the aerobraking that will put Odyssey in its final orbit.

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Still, JPL officials are confi­ dent that Odyssey will come through. Confident, too, are Caltech Mars enthusiasts in the Mars Society (http://mars.caltech.edu/), who are organizing an event this Saturday to celebrate in advance of the Odyssey arrival. NASA scientist Dr. Pas­ cal Lee will be the premiere speaker at the event, which will take place at 3:30 PM in Baxter Lecture Hall, building 77 on the Caltech map. Lee is a member of the Mars Society Steering Commis­ tee, creator of the Red-Green-Blue Mars flag, and a fearless Arctic explorer who has led the Mars Society’s Mars Arctic Research Station program since establishing it in 1998. He will present on how to get to Mars by first exploring the Arctic and other terrestrial Mars-analogue sites, and share the adventures and research he has undertaken in scientific exp­ editions to Mars-like sites all over Earth. The latest infor­ mation on Od­ sey will also be pre­ sented.

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### Caltech to Celebrate Mars 2001 Odyssey Mission

**October 15, 2001**

**Corrections to October 10, 2001 minutes:**
Due to Martha-Helen’s departure out of town shortly after last week’s ASCIT meeting, she was unable to approve the Minutes as I had presented them. Upon her return she realized I had misrepresented several facts. I extend my apologies for misinform­ ing the readers.

**Meeting 10:06 pm.**

- Noon concert today near The Y sells discounted tickets for tomorrow’s (Oct. 26) day. Jeremy and more! Stop by the Y or check out the information in the LA area... Guests: Kevin Bartz is sitting in on a meeting again for potential scoops for more stories.

- General meeting Rotation. The Rotation rule changes made this year, allowing freshmen to be taken off-campus by members of a house committee.

- Guest: Kevin Bartz is sitting in on a meeting again for potential scoops for more stories.

**Meeting adjourned at 10:47 pm.**

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**What’s new at the Y?**
- Noon concert today near The Red Door Café. Chris Hammersmith will be per­ forming a mix of blues, rock, and jazz.
- Noon concert next Fri­ day (Oct. 26). Jeremy Toback will be performing modern rock/pop.
- The Y’s on-campus tu­oring program started this week. If you are interested in tutoring local middle school and high school stu­ dents in science and math, contact the Y for more de­ tails, or drop by a tutoring session: Tuesdays and

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**Did you know?**
- The Y sells discounted tickets for theme parks and other attractions in the LA area. Tickets include Disneyland, Universal Studios, Magic Mountain, San Diego Zoo, and more! Stop by The Y or call x6163 to check prices or availability.

- The Y ExComm meets every Monday at noon in the Y Lounge to plan upcoming 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.

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**Position Details Online @ www.siemenswestinghouse.com/jobs**

It is the policy of Siemens Westinghouse Power Corporation to not discriminate on the basis of race, gender, creed, color, age, religion, national origin, disability or veteran status, and to provide equal employment opportunity.
Dean's Corner

The infallible? professor

by Jean-Paul Revel

in front of the camera, his memory playing tricks on him, he simply misinterpreted a. End of story. It could happen to anyone.

Well! But Fermi isn't just anyone! After all this was the great Fermi, renowned for his ability to calculate on the fly, on the basis of very little information. Like Caltech he prided himself on deriving things from "first principles," saying "If I could remember the names of all these particles, I'd be a botanist." Would a photo shoot fluster such a person? It is hard to believe that he knew the relation by rote and just got befuddled.

But is there more to this puzzle? You see, Huber identifies the part of the equation seen on the board as defining a by comparison with "an example from his own notebook." So the whole expression is also written down in a less ephemeral medium than the board, it is "wrong". The obvious question arises as to whether Fermi could have had two bad days, one at the blackboard (easy to empathize with that) and another one while calmly sitting at his desk in his comfortable office, perhaps in slippers and with his dog in his lap, writing in his notebook. Again, hard to believe. Of course the a could just be a different quantity than Huber thought. Protests he: "Highly unlikely. If you work out the units (mass x length)⁻¹-they make no sense". I did not get that, but that perhaps is because I am not a physicist.

But there may be yet another puzzle. The Argonne Lab's website quoted earlier shows a picture of Fermi standing at a blackboard, actually the same picture that was used by Huber to identify the mistaken equation. What seems to be the legend to the photo displayed on the Argonne website says that, when Compton invited Fermi to join the project, "Fermi stepped to the blackboard and worked out directly and the equation from which could be calculated the critical size of a chain reaction sphere." The juxtaposition implies that the picture was taken the day Fermi was being recruited. This picture and the one which was used in drawing the stamp, were actually taken minutes apart in 1948, long after 1941 when Fermi was being recruited. I guess the discrepancy could just be explained by assuming the web master did not check his sources.
The Intercultural Discussion and Support Group provides a forum for Caltech students to express their thoughts and feelings about this process, as well as relate personal experiences from their lives at home and at Caltech. The Group will meet every Monday beginning October 22 from 12 - 1 pm in the Student Center Common Room. This Group is facilitated by the Counseling Center and International Student Programs. 

Wanna learn to fly? The Aero Association of Caltech/PL is holding its Fall General Membership meeting on Wednesday, October 24, at 7 pm in E. Bridge. Come learn about our fleet of six airplanes stationed at San Manuel Airport and the opportunity to get your pilot's license. The meeting will feature guest speaker Peter Garrison, who writes the “Technicailities” column for Flying Magazine. Both members and non-members are invited to attend. For more information about joining the Caltech Flying Club, contact Jim at aerocaltech@yahoo.com, or call 626-395-3180. Or, stop by the Red Door, Carriage House Conference Center. This eight-hour training offers participants the opportunity to learn and rehearse self-defense techniques. Participants will practice these new skills with a full peddled-assault in a variety of simulated attack scenarios. The workshop will also include an overview of women's self-defense strategies, responding to being bumped, diplomatic limit-setting, and communication skills. This class will introduce you to skills that can help you avoid, deter, and resist physical and verbal assault. For more information or to register please call ext. 3221. Space is limited.

The Caltech Dance Troupe will be sponsoring Beginners' Hip-Hop Dance Classes on Tuesdays, 9-10:30 pm, in the fall quarter fee if you decide to join the class for the rest of the term. The term fee for students is $10 and for non-students is $20. To register, email juni@its.caltech.edu. Free ballet classes sponsored by Caltech Dance Troupe start Saturday, October 6. No special clothing or shoes are required for the beginners’ class. All classes meet at Braun multipurpose room. Beginners meet from 2-3:30 pm, advanced from 3:30-4:30 pm. For more info, see our website: http://wwwits.caltech.edu/group-questions-or-comments? Email: jou@its.caltech.edu.

Women in Science is a new group on the Caltech campus. It was started by a group of concerned female graduate students, and we are now looking for new members. We will be having an Open Forum on Nov. 1 at 7 pm in the Women's Center. The discussion topic for this forum will be “Treatment of Women at Caltech: Past and Present.” This event is open to all members of the Caltech community. If you would like to learn more, please email Cynthia at cynical@its.caltech.edu.

The Caltech Ballroom Dance Club is offering two four-week class series this month: Lindy Hop and Cha-Cha. The first two weeks have already passed, but if you know the basic figure, come and learn the new figures taught this week. Lindy Hop, taught by professional instructor Sonny Watson, takes place on Sundays (Oct. 15, 22, 29). Classes are $5/session for all Caltech students; $10/session otherwise. Cha-Cha (Wed. Oct. 10, 17, 24, 31) is amateur taught and costs $1/session (free for freshmen). All classes will be held in the Health Center Lounge. Refreshments provided; no partner or experience is required. Also, on Mondays from 9:00-11 pm we offer a mini-ballroom dance party (first half hour coincident with the lindy practice session) request or bring your own music! For more information, contact Megan Knight at knight@its.caltech.edu or visit our upcoming web page at http://www.its.caltech.edu/~ballroom/.

Caltech Quiz Bowl is having practices every Wednesday and Thursday in SAC 65 at 7:30 pm. We are a group of gradate and undergraduate students who get together and participate in competitions consisting of trivia questions on everything from science to literature to sports. The Wednesday practice in particular is meant for new players. For more information see our website at www.its.caltech.edu/~quizbowl.

Self-Defense Class for Women Sponsored by the Caltech Women's Center. Free and open to students, staff, and faculty. Saturday, October 20, 10 am - 6 pm OR Saturday, November 10, 10 am - 6 pm. Contact Wendy, Carriage House Conference Center. This class 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 woman's sexual orientation. Supporting staff are welcome as well. And refreshments are served! For more information call ext. 8331. To find out about I.B.G.T. events on campus, please visit the Caltech Student Pride Association (CSPA) calendar at http://www.csqa.caltech.edu/cspa/.

Guitar Classes At CIT CIT Guitar Classes for the fall quarter will meet on Tuesdays in SAC Room 101, starting on October 9 at 4:00 pm. Beginning Guitar Class 4:00-5:30 pm; Intermediate Guitar Class 3:45-5:15 pm. Advanced Guitar Class 3:00-4:30 pm. All classes are for Caltech students, both members and visitors. There is a $25 fee for all classes. No previous experience required. Instructors include: Darryl Denning, with an international background in performance, teaching and recording (two of his CDs are available in the Bookstore). Mr. Denning can be reached at (424) 366-2881 or email at denny@caltech.edu.

Come learn to dance like your favorite music stars! The Caltech Dance Troupe will be sponsoring Beginners' Hip-Hop Dance Classes on Tuesdays, 9-10:30 pm, Braun multipurpose room beginning October 9. No experience is needed and no special clothing or shoes are required. There is a $2 fee for the introductory class. This fee will be credited to the fall quarter fee if you decide to join the class for the rest of the term. The term fee for students is $10 and for non-students is $20. To register, email juni@its.caltech.edu. Free ballet classes sponsored by Caltech Dance Troupe start Saturday, October 6. No special clothing or shoes are required for the beginners’ class. All classes meet at Braun multipurpose room. Beginners meet from 2-3:30 pm, advanced from 3:30-4:30 pm. For more info, see our website: http://www.its.caltech.edu/group-questions-or-comments? Email: jou@its.caltech.edu.

The Caltech Violin Society offers and information on the following as well as additional undergraduate scholarships. All qualified students are encouraged to apply. Our office is located at 355 S. Holliston, second floor. Please visit our web site at http://www.finaid.caltech.edu/news.html for information on available scholarships.

The Financial Aid Office has applications and information on the following as well as additional undergraduate scholarships. All qualified students are encouraged to apply. Our office is located at 355 S. Holliston, second floor. Please visit our web site at http://www.finaid.caltech.edu/news.html for information on available scholarships.

The Caltech Alumni Club and REI present the Telluride Film Festival to Caltech on October 23, 7:30 pm in Baxter Lecture Hall. Tickets are $5 for students (otherwise $8 advance/$10 at door). The film line-up appears below, in addition there will be a bazaar and ski films with titles to be announced. Tickets are available at the Caltech ticket office 1-888-CALTECH or through ticketmaster outlets. This event could sell out, so get your tickets early! Films: Ode To Avalanche by Ken Bailey & Michael Freeland. Faucets by Granik. Citizen Of Science by Vincent Barnet and Richard Denison. Turtle World by Nick Hillgrove, and The Man Who Planted Trees by Frederick Bach.