

# THE CALIFORNIA TECH



tech@caltech.edu

VOLUME CXI, NUMBER 1

PASADENA, CALIFORNIA

OCTOBER 5, 2009

## Frosh Camp Shortened Events Pack Schedule

**By Alex Roper**

STAFF WRITER

With the start of a new academic year comes a new class of frosh. As in previous years, freshmen arrived early for a few days of orientation prior to the start of rotation and classes. Due to recent budget cuts across Caltech, however, some significant changes were made to frosh camp such as venue, length, and activities.

Student attitudes about the newly shortened frosh camp were primarily negative, though some felt it still realized its goals successfully, if not as well as in previous years.

"Frosh camp didn't seem to be as much fun this time. I think it's supposed to be a time where you bond with your class in addition to being part of the official orientation. I highly recommend that the boat competition be brought back," said Jamie Tayar, a sophomore frosh camp UCC from Blacker, "cramming so many things in to the time made the prefresh really tired even before rotation started." She also suggests shortening the required seminars from two hours to one, as the message is not always complex enough to merit the lengthy presentation and this would free up more social time, and a shorter message is often

better remembered.

In previous years, new freshmen arrived Sunday, leaving a full week before the start of classes. After arriving on campus, they departed the next morning for frosh camp, held at Ventura Beach or Lake Arrowhead resort and, longer ago, Catalina Island. This trip was for three days and two nights. Although much of the time was devoted to official orientation discussions and seminars, there was a good amount of down time for students to get to know each other in an unstructured way.

Structured social activities included the beloved boat race, in which new students compete in teams to build the fastest rubber band or balloon powered boat to complete a race, as well as a dance and talent show. After returning from frosh camp, there were a few more days of orientation related activities on campus, ending when rotation started as the upperclassmen returned.

This year, however, all of frosh camp was held on campus, the total length of orientation was reduced by three days. Despite this dramatic shortening, two additional seminars were added. In order to accommodate the greater density of required events, the boat race and dance were eliminated, and unstructured

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## Work in Progress

### Construction Continues

**By Monorina Mukhopadhyia**

STAFF WRITER

Science is constantly mutating, expanding, broadening, moving forward, upward, outward, onward...

It is only fitting, therefore, that an institute dedicated to the exploration of the terra incognita should likewise expand its borders and its buildings.

Amidst the sprawling late-Spanish architecture of the Caltech campus, the shiny chrome and glass monuments most recently added to campus easily attract the attention of those who are new or returning from a sumer away.

One of these buildings is the Walter and Leonore Annenberg Center for Information Science and Technology, more popularly known as the "Green Building" in reference to the green color of its glass walls and its environmentally-friendly design. With its glass facades and minimalistic design, it is archetypical of the way in which

the average layperson views the hallowed world of computer and information sciences. Rated by LEED (Leadership in Energy and Environmental Design), it is also a nod to Caltech's commitment to energy efficiency and sustainability.

It brings together all the disciplines that work together under the broad umbrella of the term: "Information Science and Technology," making it more convenient for researchers and professors from different departments to collaborate.

Ann Harvey, administrator for the Institute of Quantum Information and Center for the Physics of Information, gave eloquent praise for the new workplace. So far the computer scientists housed in it also have had only good things to say about it and are pleased with the new addition to the Caltech campus.

This feeling, however, might not be in sync with the views of conventional architects. Like an anonymous student, they

Please see CONSTRUCTION, Page 6



PHOTO BY TINA DING

Aric Fitz-Coy and other Flems prepare to fire the canon as a symbolic end to rotation. A crowd of eager prefrosh wait to find out which of the fine houses they have been picked into.

## CS1 Made More Accessible

**By Casey Jao**

STAFF WRITER

Heeding the grumbles at last spring's Student-Faculty Conference (SFC), the computer science department has retooled the introductory programming course CS1. The course now targets specifically students with little or no programming experience and teaches basic programming skills in the Python language.

Students are greeting the course enthusiastically. Over a hundred students showed up to the first lecture, crowding a hall designed to accommodate only seventy-eight. Mike Vanier, the course instructor, is looking for a new room.

"I don't have any programming experience, but it seems like a good introduction," said Scott Yantek, a freshman enrolled in the course.

"I signed twenty-something add cards the other day," said Mike Vanier, the course instructor. "This is a brand spanking-new course." He estimated that it will take two to three years to flatten all the bugs. "Hopefully we'll get

it right after a few tries."

The old CS1 course was also intended to teach students basic programming concepts. But students complained at the SFC that CS1 "wasn't really about

"Until this year CS1 taught Scheme, which is a good pedagogical language...but can be a bit hard for complete novices and is not widely used in practice. Some students come away from CS1 unprepared to program for SURFs, which tend to require more common languages like C.

The new course teaches Python, which is a "fairly lightweight," yet ubiquitous language used by companies such as Google, said Vanier. Moreover, Vanier plans to draw the programming exercises from real-world problems, such as numerical simulation. He has already polled the students for their programming interests. He hopes to give students a leg up when applying for SURFs requiring coding.

But the previous CS1 has not gone away. It is now called

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## What Happened to Undergraduates?

By Chris Kennelly

EDITOR-IN-CHIEF

In past issues of *The Tech*, we reported on budget cuts and their foreseeable impact on undergraduates. Specifically, in February, we reported "the back section of Winnett--currently packed with textbooks and gifts--will likely become a meeting area or student lounge." Student proposals were created and given to the administration for consideration.

Eight months later, the Caltech Bookstore is no longer selling textbooks--as expected--but the back of Winnett is still empty.

North House renovation/reconstruction have been discussed for years yet no definite plans have been made to do anything with them.

The fabled Student Center is continually on the horizon. With the continued existence of the Bookstore in the loosest sense of the name, a makeshift solution seems even more unlikely.

With the completion of the Schlinger Laboratory building in the winter, 3 construction projects will have been completed in a year with renovations on Robinson

starting at the close of the last academic year.

This isn't a question of whether Caltech has the money whatsoever: It's a question of priorities, however unclear they might be. We're able to find money from somewhere for solar panels, but not for undergraduates.

The SAC isn't enough. Amongst finished rooms, only a few music practice rooms, 3 study-work rooms, a practical physics lab, and the SPECTRE library are readily available on a South Master. Another group of rooms have dedicated purposes, such as the Hall of Justice (the ASCIT-IHC room) on a combination lock, the ASCIT Social Storage room on a Medeco, *The California Tech* office, and a meeting room for the BoC. Maintenance rooms do little to give space to groups of students for working on sets.

Efforts to motivate trustees to support anything for undergraduates seems to have only worsened conditions. Rather than remember that for decades,

the administration has allowed undergraduates to be unique, trustees have taken issue with the murals of the houses. It should be hard to be surprised that the student houses have murals: They were there well before the South House renovations and they continue today. Why anyone is surprised is even more confusing.

Surveys of why students don't matriculate to Caltech offer some guidance beyond the immediate knee-jerk reaction from guests to the houses:

1. Academics
2. Financial Aid
3. Housing

The way this institution tends to treat undergraduates as a undesirable burden isn't to be found in the propaganda sent out by the admissions office. We instead embark on fundamentally dishonest behavior of attracting promising young minds only to have them become bitter and disheartened.

Since we are apparently

committed to continuing to educate undergraduates, we should be willing to put forth the effort to do so. Doing so requires us to acknowledge the less-than-rosy picture of today. Making a meaningful commitment to undergraduates means we can't cut them off in the next round of budget cuts.

Accepting undergraduates ought to bring an obligation to seeing them through the Institute rather than abandoning them at opportune moments. Bemoaning the "expense" of undergraduate education does little for anyone. Instead, we've seen a hiring freeze in all but name and lecturer budgets slashed.

Merit scholarships were slashed away in two rounds, the first in the 2008-09 academic year with the disappearance of Axline and Lingle awards and the second over the summer with the elimination of Upperclass Merit awards. Tuition has continued to rise as we've set a price to appear "competitive" to other

institutions. Lest we forget, being competitive with other institutions should happen by battles in the lecture halls and laboratories, not by merely setting a price for attendance.

Before we rush to attack student-created murals, we ought to consider the structures themselves. Maintenance has been systematically deferred and delayed on the expectation that the structures would be rebuilt. Yet, replacements have been less than forthcoming.

Severe cuts to Frosh Camp this year show what excessive belt tightening can do. The boat race is an cheap tradition--a quick glance at the first available *Tech* archives in arm's reach for 1999-00 puts the boat race on the front page--that didn't need to be cut.

It's worth remembering that undergraduates today become (potentially) giving alumni tomorrow. Treating them better might be a start.

### The California Tech

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*Join us Monday or Friday at noon for lunch at Broad Cafe, or send [tech@caltech.edu](mailto:tech@caltech.edu) an email if you're interested in being a part of the Tech.*

## Intellectual Creativity

By Brian Merlob

UNDERGRADUATE

I love Caltech, not only because the community is so personal, but also because of Caltech's emphasis on rigor and research. However, I find it strange that the enthusiasm that professors put into providing such rigorous classes isn't always shared by the teachers who take them. But it could be. Caltech has a long history of self-evaluation and improvement, to which I offer a rhyme:

New student governments come and go,

Never happy with the status quo,

They seek to make Tech a better place,

Yet perhaps maintain the

backbreaking pace.

Through various reforms we have Teaching Quality Feedback Reports (TQFRs), Course Listings for Undergraduate Education (CLUE), and the Academics and Research Committee (ARC), which allows students and professors to collaborate on making Caltech education fun and meaningful. So I'd like to propose some creative alternatives to the status quo.

### Differentiated Education

The best education is the one fitted just for you, and with Caltech's impressive student-faculty ratio, you'd think that personalized education would be more plausible here than any other college. And yet,

almost everyone does the same problem set despite differences in intelligence and learning styles. So I'd like to propose an interesting variation that allows some degree of standardization and maintains easy grading while also providing differentiation. My ideal problem set would have questions of different difficulties (with points weighted to reflect those differences), and more points available than the set is graded out of. This allows for the following advantages:

1. It would allow professors to test and teach both understanding of the material (easy questions) and the rigorous thought process (harder questions) involved in truly learning the subject.
2. It inspires collaboration between students who learn similarly and discourages lopsided collaboration or overreliance on TAs.
3. Our geniuses can be just as challenged as our average incredibly smart students because they would choose to answer fewer questions, which are more difficult and intriguing.

My ideas are far from perfect, but I've thought about them for a long time, so I'd love any commentary you'd be willing to give - email me anytime! ([Merlob@caltech.edu](mailto:Merlob@caltech.edu))

# ROTATION

OCTOBER 5, 2009

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PHOTO BY VERONICA ANDERSON



PHOTO BY TINA DING

**Top:** The new Fleming prefrosh parade into Blacker Courtyard during this year's Flem Caroling.

**Bottom:** Prefrosh, except 77, watch for the canon to be fired and rotation to come to an end.

The California Tech is obligated, under the ASCIT Bylaws, to publish the minutes of the Board of Directors. The BoD minutes are published as-received and without further abridgment. For unabridged versions of the minutes, consult Laura Conwill, ASCIT Secretary.

The Editors include minutes from IHC meetings, excerpts from the ARC's meetings, and other announcements voluntarily as a service to the community.

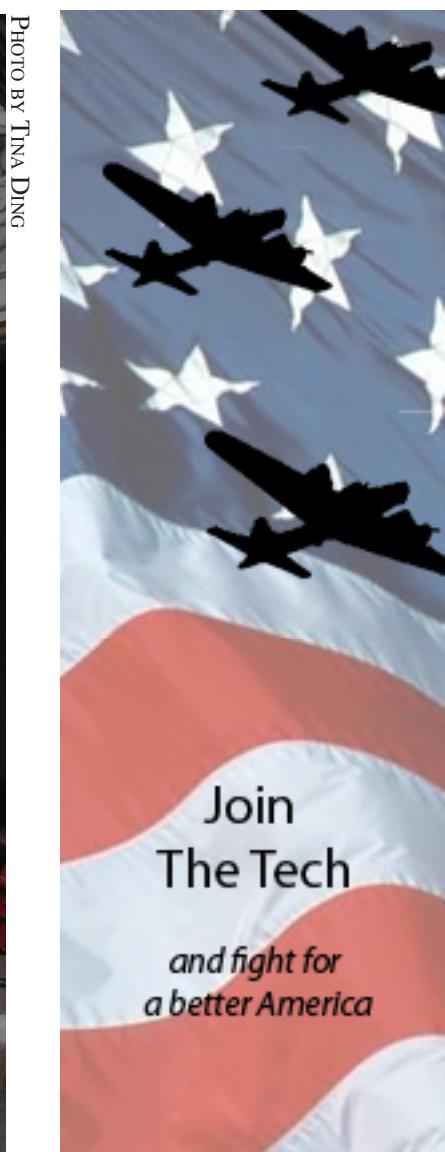
## Nominate Your Favorite Professor for the Feynman Teaching Prize!!!

Here's your chance to nominate your favorite professor for the 2009-10 Richard P. Feynman Prize for Excellence in Teaching! You have from now until January 4, 2010 to submit your nomination package to the Provost's Office to honor a professor who demonstrates, in the broadest sense, unusual ability, creativity, and innovation in undergraduate and graduate classroom or laboratory teaching.

The Feynman Prize is made possible through the generosity of Ione and Robert E. Paradise, with additional contributions from Mr. and Mrs. William H. Hurt. Nominations for the Feynman Teaching Prize are welcome from faculty, students, postdoctoral scholars, staff, and alumni.

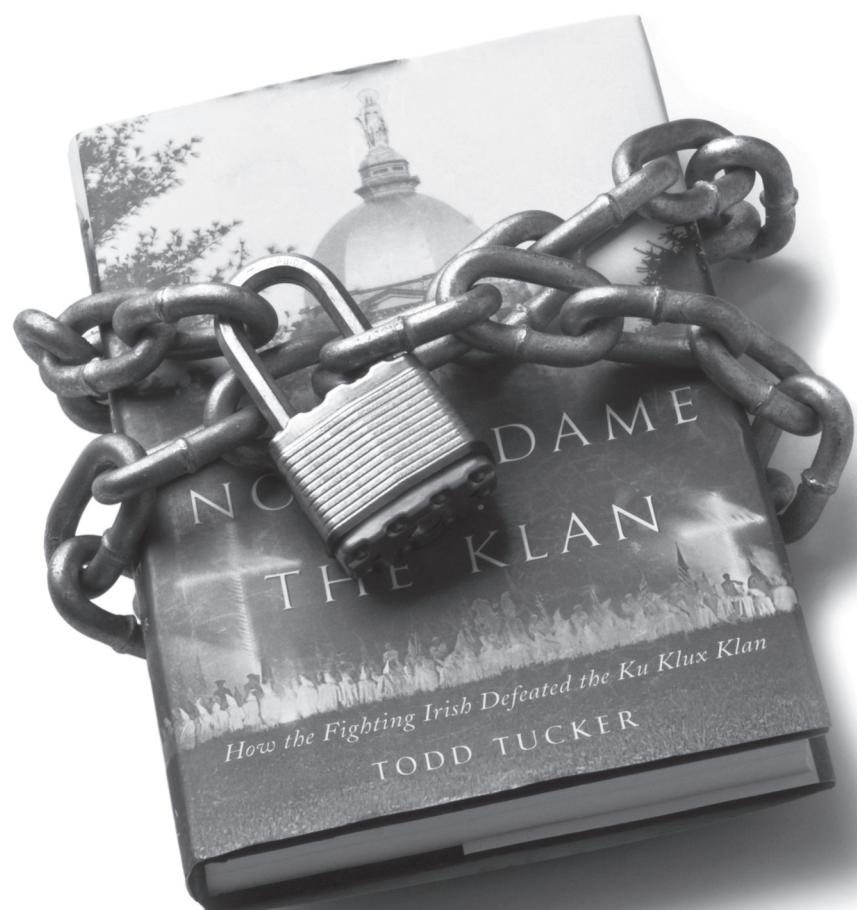
All professorial faculty of the Institute are eligible. The prize consists of a cash award of \$3,500, matched by an equivalent raise in the annual salary of the awardee. A letter of nomination and detailed supporting material, including, but not limited to, a curriculum vitae, course syllabus or description, and supporting recommendation letters should be directed to the Feynman Prize Selection Committee, Office of the Provost, Mail Code 206-31, at the California Institute of Technology, Pasadena, California, 91125. Nomination packages are due by January 4, 2010.

Additional information including guidelines for the prize and FAQ may be found at <http://provost.caltech.edu/FeynmanTeachingPrize>. Further information can also be obtained from Karen Kerbs (626-395-6039; [kkerbs@caltech.edu](mailto:kkerbs@caltech.edu)) or Stacey Scoville (626-395-6320; [staceys@caltech.edu](mailto:staceys@caltech.edu)) in the Provost's Office.



In 1924, students at Notre Dame made history by defeating the KKK.

In 2008, one university made history by punishing a student for reading about it.



When a college student was found guilty of racial harassment simply for reading a book, he called on FIRE to help clear his name.

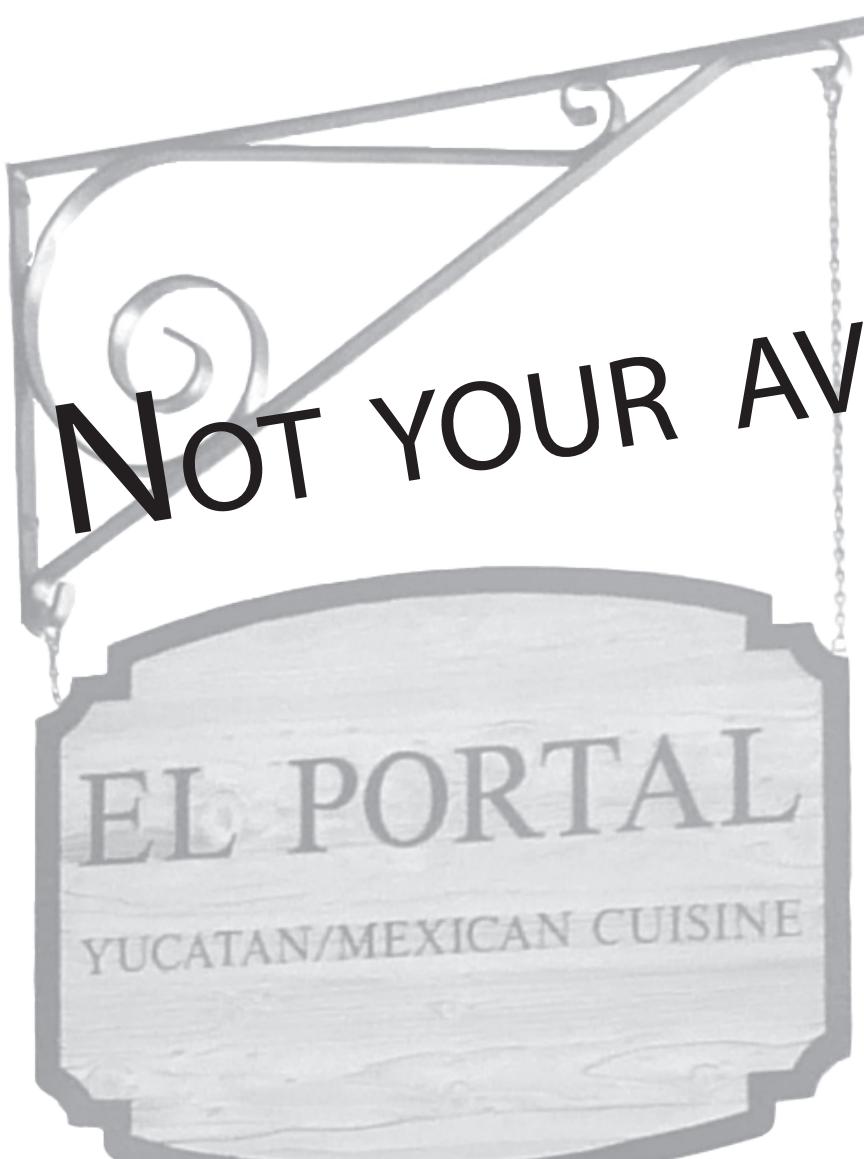
Join the thousands of students in FIRE's Campus Freedom Network who are defending their rights on campus. Don't wait until it's too late.

Learn about Caltech's stance on student rights:

[www.thecfn.org/caltech](http://www.thecfn.org/caltech)

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**Grade:**  
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**Price Range:**  
\$\$

**Contact Info:**  
(626) 795-8553  
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**Go here to...**  
sample authentic Mexican food in a relaxed setting.

**At Right:** Halibut steak at El Portal (\$13.50)

*photos by Andrew Freddo*

## NOT YOUR AVERAGE CHIPOTLE

*by Dannah Almasco and Andrew Freddo*

Here in Southern California, there are many options for delicious Mexican food! So why just go to Chipotle each weekend for a burrito when you can walk a few more minutes and spend a couple more dollars for authentic Mexican? Across from Target, El Portal is tucked away between Colorado Boulevard and Green Street. Definitely take advantage of the outdoor patio at lunchtime. We ordered the Halibut Steak (\$13.50) and Enchiladas de Mole (\$10.25).

The size of the halibut fillet was perfectly portioned for lunchtime. The fish was moist, and the cilantro-spiced sauce on top gave a lot of flavor. We, however, would have liked some more of this sauce in the dish. Vegetables, guacamole, and rice were served on the side. The veggies included broccoli, cauliflower, green beans, and carrots, and were

d e l i -



cious! They were not simply steamed, but drizzled with oil to make them creamier. The avocado flavor was overpowered by the tomatoes and onions in the guacamole, making it almost taste like salsa.

For those who do not know, mole sauce has a hint of cocoa in it, giving the sauce a smoky taste. This was delicious on top of the chicken enchiladas, offering a different perspective to Mexican food rather than tomato salsa. The chicken itself was shredded and moist. This entrée was served with beans and rice. The beans were delicious and not too heavy, but the rice, as in the halibut dish, was bland and did not add anything to the plate.

El Portal is a great place to try when a Chipotle burrito simply will not satisfy a Mexican food craving. Choose from the large array of Mexican and Yucatán specialties, and enjoy the pleasant service. Also of note are their margaritas, which come in both classic and fruity flavors. So head out and get to know your new House-mates at El Portal!

## Abbreviated Frosh Camp Reduces Unstructured Interaction; No Boat Race

FROSH CAMP, FROM PAGE 1

social time was seriously reduced. On Thursday and Friday, the frosh were booked in official required events from 9am until 11pm with only two hours of free time aside from meal time at events, some of which were also used for official presentations, leaving barely any time for socializing.

Furthermore, rotation began early this year, overlapping with orientation activities by a few days. So although there were a few hours of unstructured time on Saturday and Sunday, there was barely any time for the frosh to get to know each other before rotation. Pre-rotation socialization is important for the new frosh, as it is a huge part of forming and maintaining bonds across house lines.

Holding the event on campus also brings other issues.

One of the primary functions of a retreat-style frosh camp is to take the new students off campus for a few days to encourage parents to return home, rather than remaining. The trip off campus makes a cleaner and faster break between parents and their freshmen. This year, there were still parents with their freshman on campus when the cannon fired, and several frosh planned to miss rotation events to spend time with their parents before their departure.

With these cuts, however, came a great reduction in cost. Although orientation costs are still being tabulated, Caltech saved at least \$100,000 on lodging and \$10,000 on transportation compared to last year, according to Dimitrios Sakellariou, Chief Administrator of Student Affairs. Presumably there were other savings due to food being provided by Caltech Dining Services instead of Catering or an outside contractor. Despite the lower expenditures

and cramped week, orientation fees remained the same as previous years at \$500 per frosh according to the 2009 Catalog, netting a total of \$126,000 to the Institute.

Frosh reactions to the newly

**"Frosh camp didn't seem to be as much fun this time. I think it's supposed to be a time where you bond with your class in addition to being part of the official orientation. Cramming so many things in to the time made the prefrosh really tired even before rotation started."**

Jamie Tayar, UCC

shortened orientation were somewhat optimistic. "It was way too packed [with activities]" said one, though he felt that frosh still got to meet each other: "it was the only useful part of frosh camp. The seminars were all exhausting, boring and completely useless." Another thought it was still beneficial socially, but felt it was "more of a dry orientation than a frosh camp."

Still, a shorter frosh camp can be beneficial, according to Katie Shakman, a UCC from Dabney and Ricketts: "I thought [the shorter frosh camp] was still about as effective as before, but the less downtime was a negative because I felt that a lot of the prefrosh were too busy to get to know each other as well as previous years. The overlap with rotation definitely felt rushed, and I'm not sure they had time to really absorb what rotation is about. However, not having too much time to wait around forming biases isn't necessarily a bad thing. It lacked a lot of the fun of going somewhere special, but by being on campus the frosh actually got to use the

time to adjust to Pasadena and get to know the campus and campus resources." She was still disappointed by the cuts: "I really missed the dance party, and the boat race was a pretty good bonding experience for a lot of people in frosh camp as I remember. I think a lot of people heard about that from upperclassmen and were disappointed they didn't get to do the boat project too."

Just because frosh camp is on campus does not mean it is free, of course. The frosh and others present early need to be fed. If this costs \$12.50 per meal, which is the cost of a board dinner, then for the frosh alone the cost is \$9450 per day. Thus, additional savings were realized by the reduction in length, but likely constituted a small portion of the overall savings; exact numbers were not available from Student Affairs at the time of printing.

Still, perhaps there is a middle ground between spending hundreds of thousands of dollars on room, board, and transportation to a resort in the mountains and holding a rushed, exhausting, business-only camp here.

Frosh camp could be extended and kept on campus, and the fun, cheap activities restored, or orientation could be held at a cheaper, closer conference center. Seminars could be shortened to a more manageable length, both increasing frosh attention span and granting more free time.

When upperclassmen talk about frosh camp, it isn't the bouncy castle or climbing wall at club fair they remember, or the luxury resort, it's the dance with new people, the boat race with materials one could pull out of a dumpster, or the time sitting around tables and talking to each other. Not every dollar spent has an equal effect in enhancing the experience, and not every cut needs to hurt. When money is tight, cuts must be made, but these cuts say a great deal about our priorities as a community.

## CS1 Now Taught in Python

CS1, FROM PAGE 1

CS4 and will still be required of

computer science majors. "The old CS1 was a great second programming course," remarked

Vanier. "Hopefully the new CS1 will be a great first programming course."

## Designs Considered "Hilarious"

CONSTRUCTION, FROM PAGE 1

would point out that among the many slights of the building is the absence of an inner stairway leading from the first to second floor. Rather than inside, the stairway is oddly situated outside the building.

Strangely, it is only the second floor that is not accessible. It is also worth noting, at this juncture, that a staircase connects the second and third floors and the first and third floors, a situation described by another student as "hilarious."

Another new addition to the campus' architecture is the

Cahill Center for Astronomy and Astrophysics. Inspired by an awe and fascination for astronomy and astrophysics, the Cahill Center houses the former inmates of Robinson Laboratory. Robinson is in turn being renovated and on completion will become the Linde and Robinson Laboratory for Global Environmental Science.

The strange architecture of the Cahill Center is described by architect Thom Mayne as looking "...like it's coming apart" or "[like] it's coming together, or emerging..."\*. It has a propensity to either make people speechless with its strange beauty or laugh

at its "weirdness."

The final addition is the Schlinger Laboratory for Chemistry and Chemical Engineering. While it is still being erected, and is therefore a 'hard hat area', it will eventually bring together all of the chemical sciences under one roof.

These new edifices all play a part in the facilitating inter- and multi-disciplinary sciences. What is debatable, however, is whether these establishments are what Goethe called all architecture: "frozen music".

## News Briefs

- **Alcohol Returns to Page** - As of the end of rotation, the deans are now allowing alcohol to return to Page House. More next week.
- **Rotation Ends** - Frosh finally found out their houses this last Sunday. Room assignments will take place this week and frosh will move into their new rooms this Wednesday.
- **Donuts** - They appeared on Olive Walk on time.
- **Olives missing from olive trees** - How will there be an Olive Festival?

## Upcoming Events:

### Monday, October 5th

- **Lunchtime Meeting for The California Tech** at Broad Cafe from Noon to 1PM

### Friday, October 9th

- **Lunchtime Meeting for The California Tech** - At Broad Cafe from Noon to 1PM
- **Shangri-La Chinese Acrobats**
- **Career Fair Preparation** - The week of October 5, students can drop in to the Career and Development Center without an appointment between 9:30 am and noon and 1 to 4 pm.
- **Caltech/MIT Enterprise Forum** - A program that will explore common traits and key differences among successful entrepreneurial leaders. The forum will bring in a noted academic in leadership and a panel of notable entrepreneurial leaders.
- **David Mallet** - Mallett has performed in town halls and folk clubs across America and Europe. He will perform in Beckman Institute auditorium.

### Saturday, October 10th

- **Engineers for a Sustainable World Kickoff** - All members of the Caltech community are invited to join Engineers for a Sustainable World as they kick off the new school year.

## Movies:

Open this week:

- Capitalism, A Love Story
- Zombieland
- Cloudy with a Chance of Meatballs

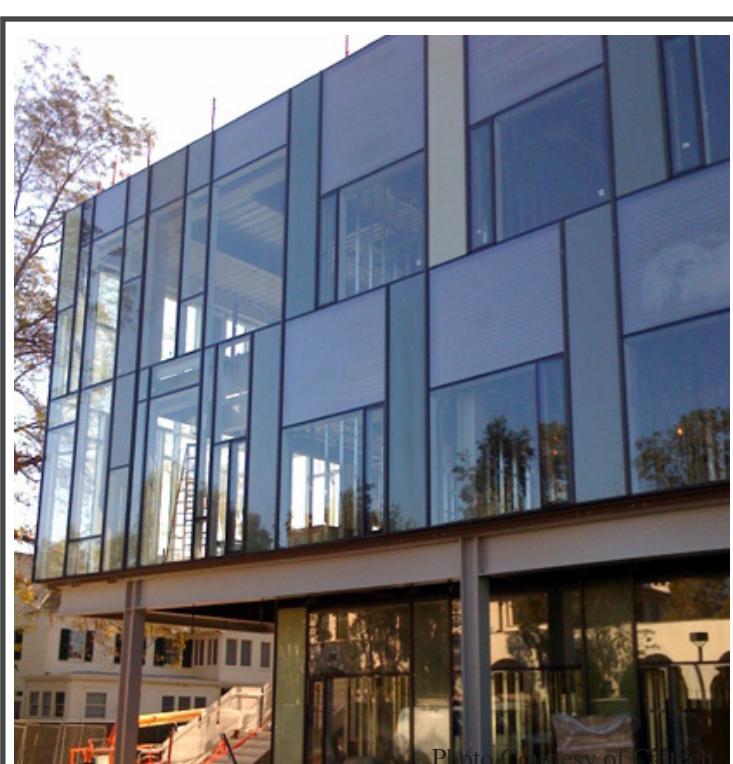


Photo Courtesy of Caltech

Workers plant new shrubs and trees in front of the Annenberg Center.

## Volleyball Playing Strong at Recent Game

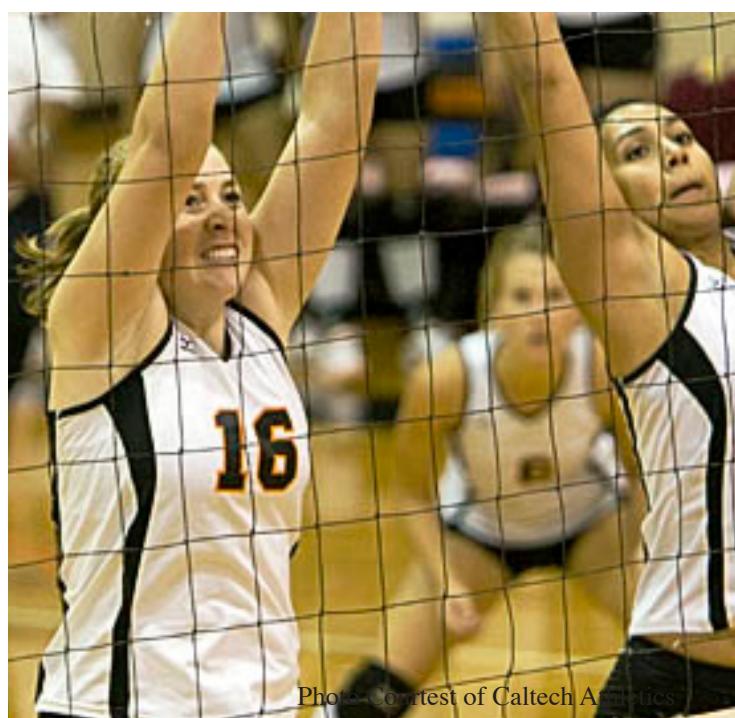


Photo Courtesy of Caltech Athletics

Sophomore Nicole Levac puts on her game face as she prepares to set the ball.

## Waterpolo Ahead for Part of Game; Comes Close to Win



Photo Courtesy of Caltech Athletics

## Upcoming Games

**October 5, 2009**  
**Women's Volleyball**  
**vs. West Coast Baptist**  
**7:30 PM**

**October 6, 2009**  
**Women's Volleyball**  
**at Cal Lutheran**  
**7:30 PM**

**October 7, 2009**  
**Men's Soccer**  
**vs. Claremont-M-S**  
**4:00 PM**

**October 9, 2009**  
**Women's Volleyball**  
**vs. Whittier**  
**7:30 PM**

**October 10, 2009**  
**Men's Soccer**  
**vs. Pomona-Pitzer**  
**11:00 AM**

**October 11, 2009**  
**Men's Water Polo**  
**vs. Connecticut Col.**  
**8:00 AM**

**Men's Water Polo**  
**vs. Chapman**  
**3:00 PM**

**October 12, 2009**  
**Men's Soccer**  
**vs. SOKA University of America**  
**4:00 PM**

Aryan Safaie swims to defend the goal at one of the teams's two games this last Friday. The team's new Spida' defense caught the other teams by surprise and will likely make an appearance in future games and take an important place in the team's playbook.

**By Joel Nikolaus**  
STAFF WRITER

Caltech's water polo team on Friday came its closest yet to a victory since Coach Joshua Moser took over coaching the team last year.

The game, against Penn St.-Behrend, got off to a strong start, with Caltech scoring a series of goals that left the team with a 5-3 lead at the end of the first quarter. It was the first time this season that the team has managed to lead a game.

It managed to maintain its lead for most of the game, but several quick goals in the last quarter left Penn in the lead.

Down by one point with three seconds to go, junior and team captain Paul Fleiner took one last half court shot in an attempt to force overtime. The crowd watching in suspense, the other teams coach still heaving from his argument with the referee, the ball just missed the top post of the goal and skimmed into the water behind.

No overtime and no win, but the team was not too disappointed. While it may have lost this particular game, the team expects more success in the coming games.

And not just this season. With several starting freshman and only one senior the team

is relatively young. Moser said that he expects the team to improve in the future and that it is in a good position to become more competitive than Caltech waterpolo has been in years.

A similar comment was made by some of the referees at the team's earlier game. In the game against Gannon, even though it was distinctly lopsided, some officials who have been watching Caltech players remarked on the team's ability compared to what they have seen in previous years. While the game was not a scoreboard win, Moser said the team played well.



## The Weekly Scoreboard

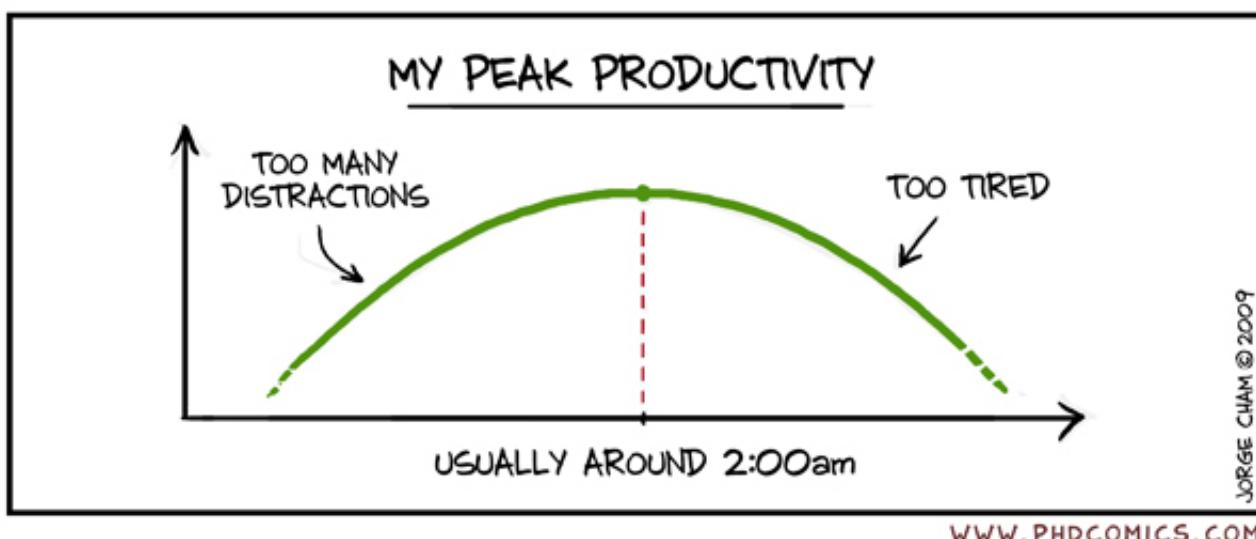
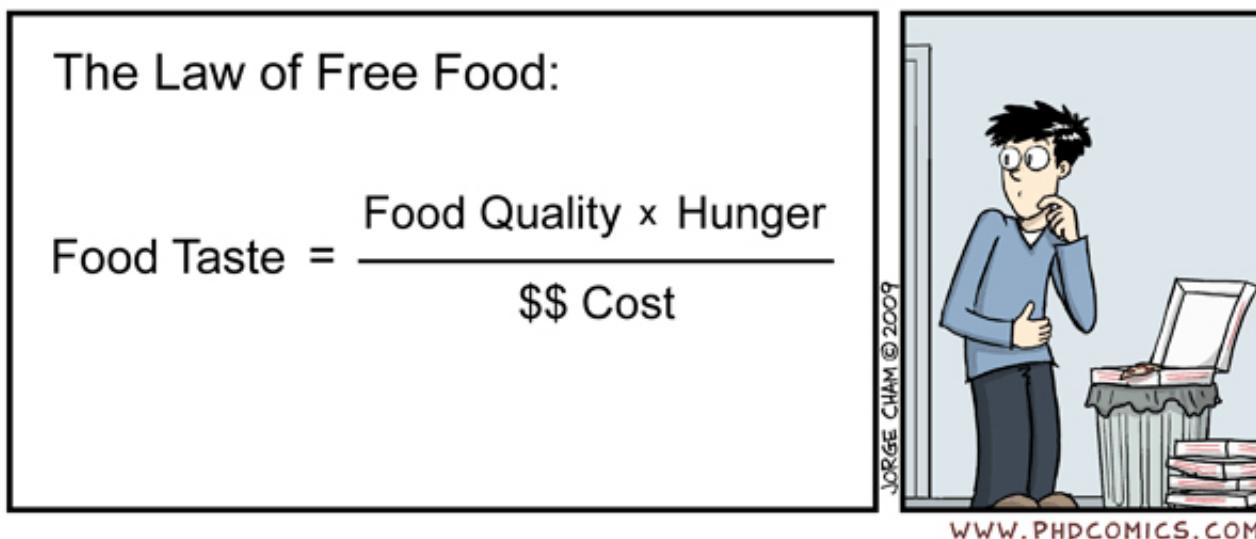
**October 2**

**Men's Waterpolo vs. Gannon L 17-3**  
**Men's Waterpolo vs. Penn St.-Behrend L 13-12**  
**Women's Volleyball at Redlands L 3-0**

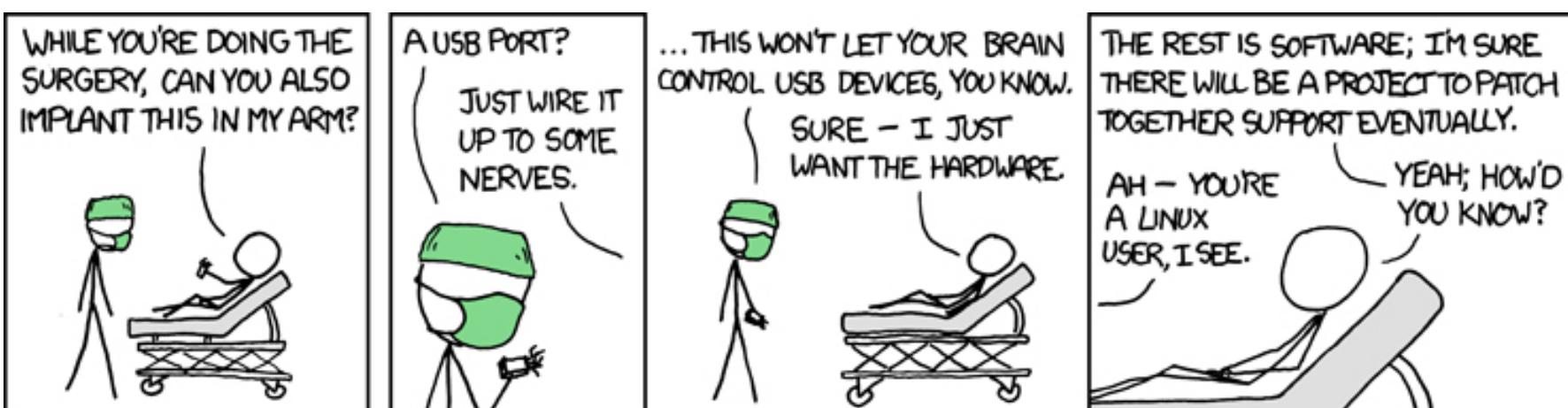
**October 3**

**Women's Volleyball vs. Pomona-Pitzer L 3-0**  
**Men's Soccer vs. Whittier L 7-0**

Ph.D Comics by Jorge Cham



XKCD by Randall Monroe



OHM NEVER FORGOT HIS DYING UNCLE'S ADVICE.

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