



# The California Tech

VOLUME CV, NUMBER 1

PASADENA, CALIFORNIA

SEPTEMBER 27, 2003



L. Stein/The California Tech

During the ropes course, a group of freshmen learn to work together and build team skills. The class of 2007 and all incoming transfer students spent two days at Astrocamp this past week, and while there became familiarized with the honor code, rotation and challenges of Caltech life.

## Class of 2007 Survives Frosh Camp

By TAMMY MA

Shy and confused students, excitedly gripping their sleeping bags and hiking boots. What else could it be besides frosh camp?

For the fourth consecutive year, Caltech welcomed a new generation of incoming freshmen at Astrocamp Desert Sun Science Center located in the hills of Idyllwild, California.

Over the course of three days, beginning on Monday, September 22nd, the class of 2007 along with the new transfer students were treated to a mix of outdoor activities, team-building exercises, Challenges and Choices skits, and talks from members of ASCIT, the BoC and IHC. The aim was to allow the new incoming undergraduates to become familiar and comfortable with the Caltech atmosphere and to introduce them to members of the Caltech community.

Because Frosh Camp was slightly

shorter than in previous years due to convocation early Monday morning, the freshmen were kept very busy moving from talk to talk and activity to activity.

Similar to the previous three years, Challenges and Choices did skits illustrating academic and social problems and solutions, followed by group discussions of important issues faced by Caltech students. Said Challenges and Choices coordinator, Susan Conner, "We tried something new this year with the small groups. I think it worked really well because it gave the frosh and Challenges and Choices counselors more interaction with each other. We hope this gives our new students a heads up so there aren't quite as many surprises for them going into their first year."

The Honor Code talk was given by Galen Loram '05, ASCIT Vice President and BoC Chair. Although a very serious topic, to make it a little more interesting Galen went

so far as to set his own shirt on fire to demonstrate the difference between a BoC-able offense and a CRC one.

This year's engineering design competition consisted of constructing a boat from a box of "junk" with plastic spoons, straws, balloons, duct tape and toy soldiers. The boat was to go as far and as fast as possible. Jason Trevor '97, a Caltech alumnus was on hand to give advice and judge the contest. The ingenious Team 12 led by UCCs Philip Wong '05 and Katie Homann '04 won with their boat, The Party Pontoon. The winning freshmen builders Damien Soghoian, Rudy Roy, Rocky Velez, David Waylonis,

*Continued on Page 10, Column 5*

## Improving the Tech Ratio

By JANET ZHOU

"The ratio" is a perpetual problem that has plagued Caltech since women were first admitted. But it is a problem we are now working to improve. Charlene Liebau, Senior Admissions Advisor, is now concentrating her energies and efforts on the recruitment of women to Caltech.

"I should think that there would be no difference between the yield for men and women," said Liebau, whose short term goal is to raise the yield for women up to, or higher than, that of men.

Over the summer, Liebau held two focus groups to discuss effective strategies for the recruitment of women students. The discussions were also attended by Candice Rypisi, director of the Caltech Women's Center, and undergraduate women students. The two groups had overlapping observations and suggestions for increasing yield.

Personal contact was seen as the single most important strategy for recruiting women students. Students suggested continuing the ex-

isting methods of calling applicants and admitted students, and in-person interaction with current students, such as during school breaks, at Prefrosh Weekend, and admitted student receptions.

Liebau is working to build the network necessary to increase the level of personal contact. She is currently writing a letter to Caltech alumnae asking for their participation. "I look forward to working with Caltech undergraduates and alumnae to encourage girls to pursue their interests in math and science, and where appropriate, to consider Caltech for their undergraduate studies," expressed Liebau.

New suggested strategies included an email contact program, where a list of Caltech students are sent to prospective students to serve as resources, and instant messaging nights, where a chatroom could be set up for a question and answer session.

The focus groups decided against publishing a brochure targeted to recruiting prospective women stu-

## VP for Student Affairs VP Leaves

By VI TRAN

After ten years of service as the Assistant Vice President for Student Affairs at Caltech, Dr. Sharyn Slavin Miller is moving on. In her time here, Dr. Miller has acquired many a memory to keep her smiling in her future years at Azusa Pacific University as an associate professor in the Department of Higher Education and Organizational Leadership.

Dr. Miller arrived at Caltech in 1993, after working for 16 years at the University of Southern California as the Associate Dean, USC where she had also earned a triple degree in educational psychology,



higher education and administration, and counseling psychology, and earned her doctorate in education. Armed with only a limited knowledge of Caltech's unusual campus life, Dr. Miller was undaunted when it came to approaching the students. She recalls when, on her first day of work at Caltech, she couldn't locate any students, and had to lure them out of the Houses by offering cookies and milk on the Olive Walk during finals.

In her time here, Dr. Miller has been the catalyst in the addition of a number of new programs at Caltech. Before she arrived, there was no exchange or study abroad program. It was her cooperation and collaboration with Lauren Stolper to get professors from Cambridge University and Caltech to agree on a joint curriculum and put the program into action. In addition, it was Dr. Miller's experience from USC that led to the Alternative Spring Break program.

She also is responsible for a number of changes within the Student Affairs office, including the scripting of a mission statement for the department and organizing staff development programs. She investigated what the students needed and wanted by talking to different groups of students and even called in students to get their opinions on who to hire for the position of Vice President of Student Affairs.

Janet Zhou '04 is one of the many students who were touched by Dr. Miller's desire to connect with the students. She recalls how surprised she was at meeting Dr. Miller at the week-long Alternative Spring Break at the Navajo Nation in Utah: "I really didn't expect anyone but students to be there. She was trying to meet students, but she could have done that on campus. Instead, she decided to come all the way out here and rough it with us."

At Azusa Pacific University, Dr. Miller will direct the masters and doctoral programs in higher education. For the past nineteen years, Dr. Miller has been teaching two or three classes a year in the masters program for counseling and college student development as an adjunct faculty member at Azusa Pacific. Now with her attention turned fully to teaching, Dr. Miller can concentrate on preparing her graduate students for future work in college administration. She admits that Azusa Pacific specifically created a faculty chair to lure her away from Caltech but looks forward to the opportunity to working with the graduate student interns.

As Professor Steven Frautschi put it eloquently, we will "miss her constructive, concerned advocacy for the school."

In her absence, Athletic Director Tim Downes will be serving as an interim Assistant Vice President of Student Affairs.

*Continued on Page 2, Column 1*

## Caltech Welcomes Students With Inaugural Convocation

By MATTHEW WALKER

Their first day as Techers began with a light Continental breakfast at 8 a.m. in front of Beckman Auditorium. Enjoying an assortment of breads, pastries, and fruit, those that arrived early mingled for an hour while they awaited the nine o'clock opening of Caltech's first Convocation. For the prefrosh, first year grad students, new post-docs, faculty, and staffers alike, the ceremony would mark the beginning of a new chapter of their lives.

Convocation is perhaps best described as the counter-part to graduation. While a fairly common occurrence among colleges, this year marked Caltech's christening of such an event. Lacking the formality of graduation, Convocation serves as the sort of official welcome to newcomers to the Caltech community.

After last year's Rotation, the administration started pondering a

better welcoming ceremony. Since a number of people were interested in having a Convocation, which had been witnessed at other universities, planning began in earnest in the spring to bring the ceremony to Caltech by the time the prefrosh arrived.

After a peppy musical preamble by the Matt Ashman Trio, Vice President for Student Affairs Margo Marshak offered a few words of welcome to the newcomers. President David Baltimore followed her greeting with a short talk titled "A Passion for Science." Despite all the information available about Caltech, Dr. Baltimore was still surprised with what he found when he took the helm several years ago.

Saying, "It's hard to believe this place exists," Caltech's President related the unique nature of the institute and went on to share his view on what the right person for Caltech

*Continued on Page 12, Column 2*



Margo Marshak opens Caltech's first Convocation ceremony early Monday morning to welcome the new freshmen, graduate students and postdocs.

## Dr. Miller has served as Caltech's Assistant for VP for Student Affairs for ten years.

Caltech Archives

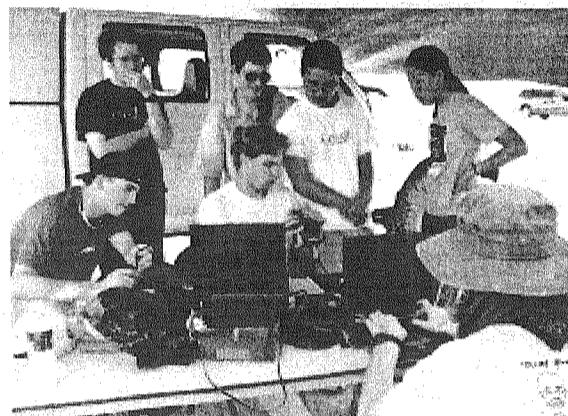
# Caltech Car: No CD Player, No Seats, No Driver, No Sweat!

By MARK WHEELER

Interstate 15 is a virtual race track on any given Friday night, as road warriors from Los Angeles speed to cover the 250 miles to the neon-lit town wags refer to as "Lost Wages" (that is, of course, Las Vegas).

Making that same journey off-road across the Mojave desert would be a little insane for these folks. Making that same journey without a driver would be crazier still, but that's exactly what a group of undergraduates at the California Institute of Technology plan on doing. Talk about gambling.

The team of 23 Caltech students is competing for a \$1 million prize in the DARPA Grand Challenge autonomous ground vehicle race, sponsored by the Defense Advanced Research Projects Agency. This will not be a remote-controlled vehicle driven by a student wielding a laptop at a distance, but a completely autonomous car that will drive and navigate itself at speeds as fast as 55 mph; to win, says project manager and Caltech staff member David van Gogh, the car will need to average between 25 and 30 mph. "It's an historic opportunity," he says, "similar to the crossing of the Atlantic by Lindbergh."



courtesy of www.team.caltech.edu  
Students are hard at work during a testing of "Bob" at the El Mirage dry lake bed on August 20.

That's because, while autonomous vehicles have driven successfully on paved highways, none has done so off-road, at high speed. The Caltech vehicle, a 1996 Chevrolet Tahoe 4x4 (nicknamed "Bob"), will be equipped with navigational software from the Jet Propulsion Laboratory, NASA's lead center for robotic exploration of the solar system. That software is used on slow-moving planetary rovers, like the ones currently en route to Mars. It will have to be refined for this race, which is the responsibility of the students, who over the summer are engaged full time in making Bob race-ready for the March 13, 2004, starting gun. The race will leave from an as-yet undisclosed location somewhere near Los Angeles and follow a course that won't be announced until two hours before the race begins.

The students, selected last spring, are divided into three teams: computing (hardware and software), sensors, and mechanical infrastructure. Bob's interior has already been stripped; a batch of computers will be installed in the rear, suspended in air to avoid jolts. A spare gas tank will be installed, and the tires have been filled with a special foam to prevent a dreaded flat. Actuators--mechanical devices for controlling steering, acceleration, and braking--are also being installed; as is vision in the form of stereo cameras, infrared sensors, and lasers that will give Bob a three-dimensional view of the road. Last, global positioning software will provide the vehicle with the "big picture" of its desert environment.

It is a demanding race. Bob will have to avoid rocks, gullies, and other race cars, and must navigate over so-called "whoop-de-dos"--washboard-like ruts on a dirt road that any off-roader

will tell you are challenging for a human to drive over, let alone a camera and a computer. The vehicles also have to stay within a de-



courtesy of www.team.caltech.edu

Caltech's entry in the DARPA Grand Challenge, lovingly nicknamed "Bob," is a 1996 Chevrolet Tahoe 4x4, equipped with navigational software from JPL and infrared sensors.

fined corridor that will vary in width from tens of feet to possibly miles. There will be a series of checkpoints every car must pass through while en route.

It is a student-run event, with the undergraduates, mostly sophomores, making the decisions. Advice and oversight is provided, however, by experts from both Caltech, JPL, and Northrop-Grumman--"Sanity checks," says van Gogh.

The fastest team to complete the race in less than 10 hours will win the \$1 million prize. (If the Caltech team wins, the money will go to an undergraduate student fund.) DARPA imposed the time constraint to push the limits of existing technologies. The prize will be available through

2007, so if no one wins the first time out, two more race days will be available.

The total cost of the Caltech project is estimated to be several hundred thousand dollars; a number of corporate donors have contributed equipment to the Caltech team. DARPA is sponsoring the challenge to encourage innovation in driverless technology, which the Department of Defense believes will be critical to future military endeavors. Because it wants to support creativity, DARPA has placed few restrictions on the type of vehicle, though it expects most will be modifications of existing 4x4s.

"The keys will be the software and integrating all these different components to work together," says van Gogh.

## Caltech Admissions Examines Ways to Increase Female Matriculation Rate

*Continued from Page 1, Column 2*

sent to prospective students to serve as resources, and instant messaging nights, where a chatroom could be set up for a question and answer session.

The focus groups decided against publishing a brochure targeted to recruiting prospective women students. "We want to be treated in the same way as prospective male students," said one student member. Instead, the panel suggested other options: a publication describing the resources available to women students at Caltech or a publication addressed to parents of prospective women students

highlighting the achievements of women in science, the issues of parental concern such as safety and housing, and the collaborative spirit at Caltech.

Long term goals involved getting the Caltech name out there. "I think Caltech always needed to become more visible to high school students," stated Neda Afsarmanesh '04. "This is a great effort towards that goal."

The panels recognized that mentors and role models are very important in influencing girls to pursue math and science. As such, Liebau is coordinating many outreach activities targeted toward local junior high and high school girls, and high school science teach-

ers, who are viewed as influential to women interested in science. These include programs on campus, such as science talks and lab tours. "I think that there will definitely be a positive influence seen from these efforts--especially if we can let girls know about science and engineering at an early point in high school," expressed Afsarmanesh.

Students stressed that it would be wrong to admit women in order to fix the ratio, as MIT does.

"I think that having more women at Caltech would promote a healthier environment for the male undergraduates," stated Jon Simon '04. "It's important, however, that the standards not be lowered to increase the number of girls in the class."

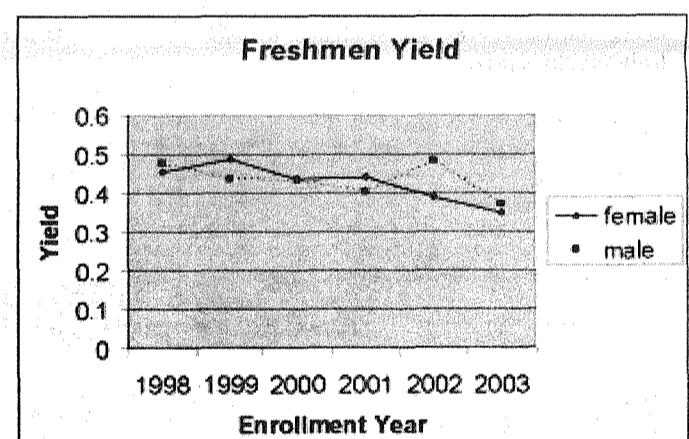
Vi Tran '05 added, "Caltech is academically difficult enough as it is. However, everyone who gets in knows they were accepted because they're smart, and the admissions people think they can do it. I'd hate to think I was at Caltech only because I'm a girl."

In the meantime, the Caltech Women's Center continues to offer programs and events that build companionship between females, professional development, offer woman to woman mentoring and classes such as self-defense.

"While progress has been made in increasing the number of undergraduate women students at Caltech, clearly our work is not yet finished," stated Liebau, who will continue to seek to encourage bright, creative, energetic young women to consider Caltech.



courtesy of the Women's Outdoor Adventure Series  
The Women's Center offers a variety of activities for girls, including surfing lessons. Females say resources such as the Women Center make girls feel comfortable and wanted, and play a fairly large role in encouraging females to come to Caltech.



This graph compares yield rates for males and females from 1998 to 2003. Yield is defined as the percentage of those that are accepted that enroll at Caltech. In recent years, the freshmen yield for females has been on a down trend.

## The California Tech

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VOLUME CV, NUMBER 1

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# Student Government Update: Welcome, Surveys and little t's

By TOM FLETCHER

**Welcome Back**

I do not mean to be blunt, but there's a lot of business to cover in this first column of the year. For those of you who are freshmen, I've already greeted you at Frosh Camp. For you upperclassmen, and especially frosh, I hope your summer was awesome; now, once more into the breach.

**Fireside Chat****The Two-Minute Rundown on What Happened This Summer**

1. Our health insurance has changed. You can read about the new policy here: [http://www.chickering.com/stu\\_conn/schoolInfo.asp?policy#812843](http://www.chickering.com/stu_conn/schoolInfo.asp?policy#812843). If you have any comments or concerns, please direct them to your health committee representatives Esther Lee and Binghai Ling.

2. The first round of Moore-Hufstedler proposals ended on September 12. The next round of proposals is due on October 14. The guidelines for submitting proposals are online at <http://www.its.caltech.edu/~mhf>. During the last round of proposals, ASCIT submitted three proposals, one for a stand-up comedy event, one for renovating the Cofeehouse (lights, new register, and more DVDs), and one for buying air conditioning units for the houses. We are still waiting to hear back which (if any) of the proposals have been approved.

3. ASCIT is in the hole approximately \$3,500 due to paying for the Totem. We are trying to recoup the expense from contributions, selling copies in the bookstore, and cutting costs on other projects.

4. There is an on-line survey for the entire Caltech community to vote on what you want to see in the proposed Caltech Campus Center. The link is [http://donut.caltech.edu/vote/vote.php?SID=&survey\\_id=99](http://donut.caltech.edu/vote/vote.php?SID=&survey_id=99). You will receive a \$3 gift certificate for Broad Cafe for filling out the survey, and a chance to win truly fabulous prizes!

5. Currently, we have an interim director of admissions and an interim registrar. A search committee is looking for a new admissions committee director; we will soon be asking for volunteers to serve on a new

**registrar search committee.  
Democracy Strengthening**

We are still negotiating with the faculty over last year's resolution about committee reporting. I defended ASCIT's resolution at the faculty board meeting of June 4, 2003. If you want to read the minutes of the discussion, go to <http://www.its.caltech.edu/~offfac> and look for the minutes. The objections from a few faculty members revolved around discussing sensitive proposals in a public forum. My counter was that it is best to discuss sensitive issues while they are still proposals, not when they are policies, because then changes can still be made with minimal costs. Of course, if one's intention is to set policy with little public discussion, then making meeting summaries available on-line would not be helpful.

**Wanted: Motivated Director of Social Events**

Our fearless formal-organizing social director Kim Hiscox is living it up at Duke, which she has accurately described as "hot, easy, and damp." Interpret as you will. What this indirectly means is that we need a new social director to organize events for the next term and a half. With formal done, the social director's responsibilities are considerably less than normal (for those of you who are less motivated). Sign-ups will go up soon.

One event that you may have to organize as social director will be the rocking return of *We Are Scientists!*! The crazy trio rocked the Dabney Lounge last spring and loved playing Caltech so much that they're trying to find a way back to Los Angeles. (this is a 3,000 mile trip for them!). We're negotiating with them to play in late October.

**Where's my little t?**

Yes, you are probably curious where your *little t* is. The full story is that due to a snafu at mailing services, advertising solicitations were significantly delayed. This in turn delayed the production of the book. At present,

*Continued on Page 10, Column 4*



For nearly half a century the **Institute for Defense Analyses** has been successfully pursuing its mission to bring analytic objectivity and understanding to complex issues of national security. As a not-for-profit corporation operating two federally funded research and development centers that serve the Office of the Secretary of Defense, the Joint Chiefs of Staff, Unified Commands and Defense Agencies, we provide a solid and exciting foundation for career growth and longevity. And through specialized analytic, technical and scientific talent, we are moving steadily forward, confidently increasing our capabilities to face the country's important security issues.

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October 14th**



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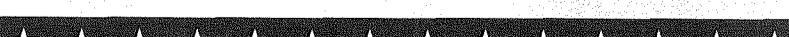
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IDA will be on campus interviewing qualified candidates on October 14th. For consideration, submit your resume by October 12th through the Career Services Center/MonsterTRAK.

Visit our website for more information on our specialized opportunities. EOE.



# Bush's War in Iraq: What is it Good For? Absolutely Nothing Responding to 9-11 With Violence Gets Us Nowhere

By XIAO WANG



courtesy of cnn.com

US troops continue to remain in Iraq, often performing highly dangerous maneuvers. Here they are investigating a car at the site of an explosion Monday near the U.N. headquarters in Baghdad.

because we "feel like it," or because we feel threatened. But excuse me, wasn't Hitler's justification for annexing the Sudetenland that German citizens were "threatened"?

If we invade a country, we better be darn sure of the reason we're invading it. It's not good enough to go in, overthrow its leader, kill several thousand innocent civilians in the process, commit ourselves to years and tens, perhaps hundreds of billions of dollars of rebuilding a foreign nation, and then say, "Oops, I guess the weapons of mass destruction (WMD) we trumpeted so much didn't exist after all." It's funny that the administration's line have gone from being extremely confident in eventually finding WMD's, to being extremely confident that we will find evidence of WMD programs to changing the subject altogether and just saying "Well we got rid of Saddam, and he was a really really bad person and the Iraqi people are so much better off." I'd believe that, if we'd ever manage to bring the peace and stability we promised to Iraq, but we seem to be doing a pretty lousy job on that count too.

Oh and the boogieman stories George W. liked to pass about Saddam and Osama joining forces to kill Americans? Let's just say if Iraq wasn't a terrorist haven before the war, it is now. Of course, we can't miss the point about why we went to war in the first place: because of the oil... wait... to make the world safe from terrorism.

It's funny how the neocons reasoned that the way to make America safer from terrorists is to further alienate Muslims by invading Iraq, supporting Israel, the criminal Ariel Sharon and his government's policy of state-sponsored assassination and terror campaign against Palestinians, one-sidedly berating Palestine when Hamas conducts its horrible retaliatory bombings in response to said assassinations. I know it'll never happen in America, but what if we got just as tough with Israel as we are with Palestine, since both are equally responsible for the cycle of violence that kills so many innocent civilians on both sides? Maybe if we did that in the first place, 9-11 wouldn't have happened. Keep going down this path, and I'm truly afraid about what history will say about America in the post 9-11 world.

I hope next year American will come to its senses about the world, and see it from a truly global, objective perspective. We can't look at the world through our Red White and Blue colored goggles.... this is a multilateral world, other nations actually do exist and their opinions matter, contrary to what this administration thinks. Of course, for America to truly accept and work with this world, we need to get rid of Bush and the rest of his neocon White House. Here's to Dean, Kerry, or anyone else looking to replace George W. in 2004. After all, our history has not been written yet, and it's still not too late to move off the self-destructive course we're on.

# Welcome to Rotation! A Message From the IHC

By JEREMY PITTS

Welcome to Caltech! You may be a bit overwhelmed by now with all of the information that has been thrown at you since you arrived. That is why I would like to take this opportunity to summarize the information that we presented to you at frosh camp concerning Rotation.

Many upperclassmen will agree that Rotation is the most important activity you will do here during your first week. Please refer to the schedule in this paper to find out which House you are taking each of your meals in. For lunch, show up to the House that you are assigned to at noon and be prepared to wait in line and be served cafeteria style. Dinners are waited and served family style. Each House has dinner at a slightly different time, however, you should show up to dinner a half an hour early as each House will be holding a brief reception before dinner. After dinner, the Houses will also have receptions in which you should try to meet the upperclassmen in that House and get as good of a feel for a House as possible.

At every one of your meals, both lunch and dinner, there will be a nametag waiting for you. You must pick up your nametag. We keep track of who does not show up for a meal by the nametags that were not picked up. If, for some special circumstances, you must miss a meal, please attempt to talk to either the president of the House whose meal you are missing or the IHC Chair before you miss the meal. Missing any meal without an acceptable reason may result in you being considered to have rated all of the Houses equally.

By the end of the week, you will be sick and tired of shaking hands and small talk, but stick with it. Give all of the Houses an equal chance. On Saturday, you will eat lunch in the House that you are living in. After this meal, the House's RA will make available to you a rating sheet (sample sheet included on this page). Between 2 and 4 p.m., the RA will be available in a place made known to you. You must go to the RA during this time and give him or her your rating sheet. At that time, the RA will input your ratings and show them to you to confirm that they are correct.

The next thing that will happen for you will occur on Sunday at 5 p.m. The cannon will fire and then, if you so choose, you can run to your first-choice House. Each House will have some sort of initiation set up that you can go through. This process will let you know whether or not you got into that House. If, after going through the initiation process at your first choice House and discovering that you did not get in, there will be someone standing by to tell you which House you did get into. You can also choose to not find out that way and, instead, to go to your second-choice House and try again.

If you would rather not participate in the initiations, a list of House assignments will be posted on the Olive Walk at 5:30 p.m. The initiations are not something to be afraid of; they are merely good-spirited traditions of the Houses. Hazing is a very serious issue which is not tolerated. If, at anytime you feel uncomfortable with what is happening, just say "STOP!" and everyone will listen.

The Wednesday after Rotation week will be moving day, at which time you will all move from the temporary assignments in which you are currently living to your permanent House. In some Houses, you will move directly into your permanent room; in others, you will have a second temporary room for a few days to give you a chance to meet the other new students in the House and choose a roommate. Just remember that the House you are in will affect your entire time here at Caltech.

That said, you should try your hardest to get a good impression of each House and submit your unbiased ratings. You probably shouldn't completely blow off your Ch1a set, but just remember that it is not the most important thing that will happen this week. Above all else though, try to have fun. I look forward to meeting you all.

## A Note From Dining Services:

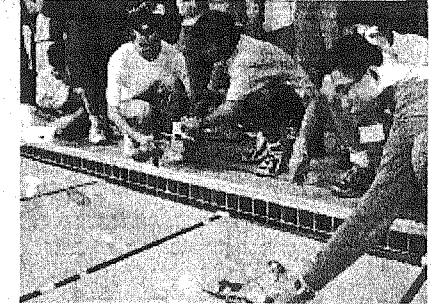
Rotation meals begin with dinner on Sunday September 28th and finish with lunch on Saturday October 4th. All meals will be waited family-style. Guests are welcome and encouraged, however each guest must be paid for. During the week, lunches will be served cafeteria-style in both North and South Kitchens. Students who are on-Board do not need to swipe their cards for lunch or dinner (but may swipe for a guest). During Rotation Week, on-Board students will not have access to declining funds. Per IHC, Board Students will be eating in their House with the incoming Frosh. Declining funds will be available Monday, October 6th. The North and South Kitchens will return to their regular hours of operation and function on Monday, October 6th; the North will be running Open Kitchen only and the South Kitchen will be open for a la carte lunch.



## Dinner Times

Please show up to all dinner 30 minutes early to attend a pre-dinner reception.

Blacker	6:05
Dabney	6:10
Fleming	6:30
Lloyd	6:15
Page	6:45
Ricketts	6:20
Ruddock	6:30

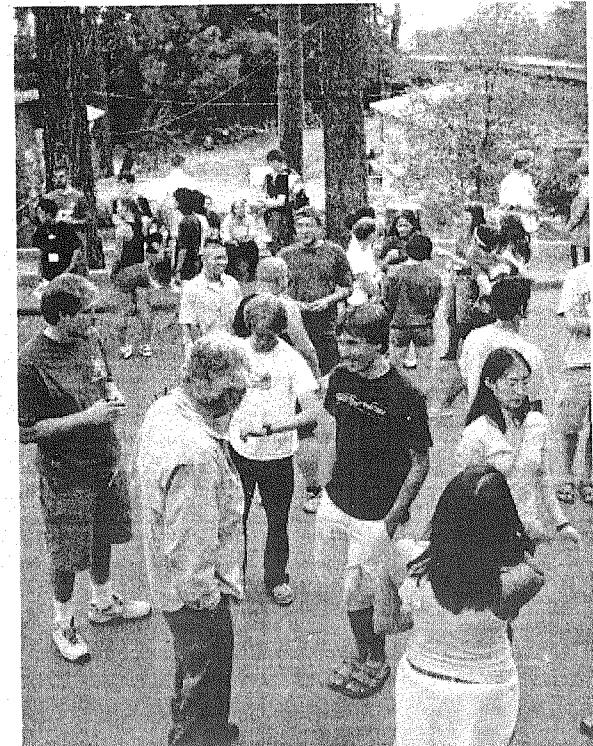
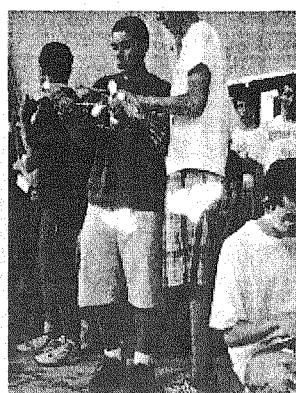


**\*\*Note: On Friday, dinner starts half an hour early.\*\***

# Saturday Lunch Times

Pre-meal receptions will also be held for the Saturday lunches.

Blacker	12:05
Dabney	12:10
Fleming	12:30
Lloyd	12:15
Page	12:45
Ricketts	12:20
Ruddock	12:30



Sample  
2003 Rotation Rating Sheet

You must rate at least 4 of the 7 Houses, though you may rate as many Houses as you feel comfortable living in. When rating a House, base it on how you feel about the House and not how it compares to other Houses. The rating scale is between 1 and 10; 1 means "I love this House," 5 means "I like this House," and a 10 means "This House is okay." If you absolutely do not want to live in a House, do not rate it.

The above is the only rule that exists. The following are all acceptable (but not the only acceptable ways to rate houses):

House	A	B	C	D	E	F	G
Frosh 1	1		1		9	5	4
Frosh 2		3	9	6		5	
Frosh 3	7		7	7		10	7
Frosh 4	2	10	8	2	1	9	5

Please circle the rating appropriate for each House. Remember that you must go to the RA of the House you are Rotating out of with this sheet completed between 2 PM and 4 PM on Saturday October 4.

	Love		Like				Okay				
	1	2	3	4	5	6	7	8	9	10	Not Rated
<b>Blacker</b>	1	2	3	4	5	6	7	8	9	10	Not Rated
<b>Dabney</b>	1	2	3	4	5	6	7	8	9	10	Not Rated
<b>Fleming</b>	1	2	3	4	5	6	7	8	9	10	Not Rated
<b>Lloyd</b>	1	2	3	4	5	6	7	8	9	10	Not Rated
<b>Page</b>	1	2	3	4	5	6	7	8	9	10	Not Rated
<b>Ricketts</b>	1	2	3	4	5	6	7	8	9	10	Not Rated
<b>Ruddock</b>	1	2	3	4	5	6	7	8	9	10	Not Rated

**Rotation Rules 2003**

(Interpretation in italics)

**I. Preamble**

The Rotation system has evolved over the years as the best method to distribute new students among the Houses. Each new student is given a voice in selecting the House he or she will join, and the Houses have some say in choosing their members. The motivation behind these rules is the Honor System. The intention is to prevent both the Houses and the new students from taking unfair advantage of any other House or new student. All undergraduates are responsible for understanding and following these rules, and just as with the Honor Code, ignorance is not an acceptable excuse for violating them. Keep in mind that the spirit of the rules is at least as important as the letter of the rules, and the IHC reserves the right to interpret the spirit of the rules as necessary.

**II. Procedures**

1. Rotation week begins on the Sunday prior to the first week of the term and ends after the following Saturday.
2. Throughout the course of Rotation week, new students will remain in residence at a randomly determined temporary room assignment in one of the Houses.
3. For the first six days of Rotation week, (Sunday through Friday) each new student visits a different House for dinner in a randomly determined order. New students also visit the Houses for lunch, in an order determined by the following mapping:

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
House visited at dinner:	A	B	C	D	E	F	(none)
House visited at lunch:	(none)	F	E	C	B	D	G*

\*This is the House in which the new student is temporarily living.

Any new student who does not attend lunch or dinner or does not check in with the House President will be defined as a "no-show" for that House, and will be considered to have rated all seven Houses equally.

4. All new students must choose at least four of the seven Houses which they would prefer to join and submit a list of those preferences on to the Resident Associate (R.A.) of the House in which they are residing. This information will be given to each House President and shall be made available only to the House Rotation chairmen, only after all changes are finalized. The Houses are not required to follow the ratings submitted by each student, except that no House may choose a student that did not rate it. Students living outside of the seven Houses must submit ratings to the R.A. of the House which they visit on Saturday of Rotation week. Students may be picked by any one of the Houses if they do not submit a House preference list. In exceptional circumstances, new students who state to the Director of Campus Life that they do not wish to participate in Rotation will not be selected by any House, but will still be given Institute housing.

5. On the Saturday of Rotation week, the R.A. of each House will provide rating sheets to all of the new students dining at their House that day. From 2 to 4 PM, the R.A. will be available at a place made known to the new students. During that time, the new students must give their ratings to the R.A. The R.A. will enter the student's ratings and then confirm them with the student before submitting them. At 4 PM, the IHC will compile the list and check to ensure that all ratings have been submitted. Every effort possible will be made to obtain any missing ratings. Only the IHC will have access to the list until it is finalized. After the list is complete, the IHC Chairman will declare the list finalized. At that time, the House Presidents may disclose the results to their House Rotation Chairmen. Information concerning whether or not a new student has rated a House (not specific numerical information) may also be disclosed to other House members when necessary.

6. Selection of new students will take place at a closed meeting of the Interhouse Committee Chairman and Secretary, the seven House Presidents, up to four Rotation chairmen from each House, the Director of Campus Life, the Senior Administrator for Campus Life Programs, and the Master of Student Houses. The R.A.'s may attend the meeting as guests of the Director of Campus Life. This meeting will occur on the Sunday immediately following Rotation week. All information relating to this meeting will not be made public. All such information in electronic or written form must be destroyed immediately following the meeting.

**III. Regulations**

1. Rotation rules are in effect for any contact with new students from their initial acceptance to Caltech (including before they matriculate) until their submitted rating lists are considered accurate (as stipulated at 5:00 pm on Saturday of Rotation week).

*These rules are in full effect now and will be until October 4th, 5pm.*

2. Throughout these rules the term "House" refers to both the organization as a whole and any of its members.

*People who could be construed as representing the House:*

1. Full dues paying House members who are currently registered as undergraduates
2. Full dues paying House members who are not currently registered as undergraduates, but plan on coming back
3. Social members who are currently registered as undergraduates
4. Social members who are not currently registered as undergraduates, but plan on coming back
5. Alumni and former students
6. Unaffiliated students
7. RAs
8. Others (grad students, friends of students, non-Caltech affiliated people who hang around)

*This rule is intentionally left vague with respect to social members, etc. because „House‰ is used in different ways throughout the document. Consider the case of those people falling under categories (2)-(8) who hang around in the House, but who are not present during dinner or after-dinner-reception. A President could ask them to leave (Security will remove them if necessary), but the House could still be held responsible. This situation will have to be dealt with on a case-by-case basis because these people could still cause an unfair bias.*

3. New students are specifically prohibited from unfairly biasing other new students toward or against a House.

4. Houses are specifically authorized to do the following during Rotation:

- a. have receptions after dinner
- b. serve refreshments at these receptions
- c. prohibit those who are not current full House members from attending these receptions

*Member of a House is defined to be a full dues paying currently registered undergraduate. Anyone that does not fall under this definition of Member must get explicit approval from the House President. If a House President approves someone, then the House is responsible for that person's actions.*

d. have open presentations anywhere on campus

*This includes unofficial tours of campus such as tours of the steam tunnels. Pranks that don't degrade other Houses are also acceptable.*

e. publish and distribute informational literature which is inexpensively reproduced

*This refers to posters, literary journals, Rotation videos, and propaganda sheets among other things. All such documents must be approved by the IHC.*

f. Students may accompany or transport new students to any place open to the public, if no extraordinary services are provided, as long as the trip does not last longer than four hours, and as long as the excursions remain within the spirit of the Rotation Rules (the restrictions on Houses organizing social events and students providing extraordinary services).

*Longer trips will require approval of the IHC. Please note that this rule applies to new students who are around before the first official check-in day, although athletic training and scheduled FSI events are still exceptions to the rule. The goal of this rule is to allow flexibility for reasonable, spontaneous trips (for food, movies...). The spirit of the Rotation Rules still disallows such trips to become forums for recruiting freshman for any House.*

5. Houses are specifically prohibited from doing the following during Rotation:

- a. making a trophy or alley challenge

*This is basically a House social event. Social events can provide an unfair bias and could get out of hand.*

- b. publishing a social calendar or relating in any fashion future social events, except during prefrosh weekend.

*The purpose of this rule is to avoid having some upperclassmen make outlandish promises about future social events. Comments about past social events are perfectly okay, if it is made clear to the new students that it is an event that happened in the past. During prefrosh weekend, Houses are allowed to leave their social calendars up as it reflects an aspect of Caltech life. During the time period before and including Rotation Week, these calendars will be taken down from everywhere (on the Web and in the House).*

c. organizing and sponsoring a social event

*Social events can occur, but only with IHC approval. These IHC-approved events will typically include the following stipulations:*

*\* Parties should be limited to small gatherings - organized by people in their rooms, etc - without large amounts of preparation and planning.*

*\* New students can go to parties where everyone is invited and welcome. Off-campus sites are better, because they are less associated with the on-campus Houses. Similarly, parties thrown by people from more than one House will be easier to interpret as non-recruiting situations.*

*\* Alcohol provision (by upperclassmen) OR acceptance (by freshmen) will both be considered violations.*

*We realize that upperclassmen coming back want to have fun and party before the school year starts and we will try to accommodate them as best we can. During the actual Rotation week, almost no exceptions to this rule will be made. Organizing a pick up game of sports is typically not a violation of this rule.*

*For small, unofficial social events (e.g. watching a movie in Old Pas, going bowling) that could involve new students, IHC approval is not required.*

d. attending a reception of a House of which you are not a full member without the permission of that House's President

*Social members may or may not be allowed at the discretion of the House President.*

e. discussing with new students anything at all to do with rating strategies and past or future new student picks.

*There is very little leeway with this rule. Telling new students anything about picks or how to rate Houses strongly influences how new students rate their choices. The only thing permissible to say to the new students is that they should rate as honestly as possible, or equivalent statements. Examples of this are: „If you don't want to live in a House, rate it low or don't rate it at all‰ or, „If you want to live in a House, rate it highly‰ There is no statute of limitations on Picks information. Any attempt to find out how the Picks Process works is in itself a Rotation Violation. Distributing Picks information regardless of its accuracy is also a Violation.*

f. providing alcohol or other controlled substance to a new student

*There is absolutely no flexibility in this rule.*

g. spending money on a new student or providing extraordinary goods or services on credit or for no charge.

*What "extraordinary" means is up to IHC interpretation. This is a case where upperclassmen are expected to use their own judgment wisely. Pocket change and candy are certainly not extraordinary. Setting-up a date for a new student is considered to be extraordinary; however, dating a new student is not.*

h. otherwise unfairly biasing a new student toward or against a House

*This rule is completely open to interpretation by the IHC. This once again refers to the idea of the spirit of the law. Individuals are not prohibited from speaking about a House of which they are not a member. However, individuals are advised to take care in what they say, as they may be misinformed. One should follow these guidelines when speaking about any of the seven undergraduate Houses:*

1. Be sure to express that the things being said are simply opinions and express how you feel.
2. Opinions should not be presented in a factual manner. Examples of inappropriate comments are "There are a lot of gay Booty Housers," "All Booty Housers are chain-smoking necrophiliacs," "Everyone from Booty House is a Literature major Heroin addict."
3. The intent of the things said should be used as an informational tool with which the new student can come to their OWN conclusion. It should not be said specifically to scare a new student away from a House.
4. It should be clear that when you say something about another House that you are not a member of that House.
5. Don't spread rumors. Be aware that your facts may be wrong, and beware of stories you have heard through the grapevine.
6. There is a big difference between giving your unprompted opinion to a new student and the new student asking for your opinion.

*It is important that a new student get as much information as possible in order to make the choices. New students must be given some credit for discerning a highly biased positive or negative opinion.*

6. Aside from the specifically unauthorized acts, Houses may do anything approved by the IHC in advance of the act.

*We are trying to be flexible with our interpretations and that these rules are not set in stone. An exception can (but won't necessarily) be made to any rule upon approval of the IHC.*

**IV. Penalties**

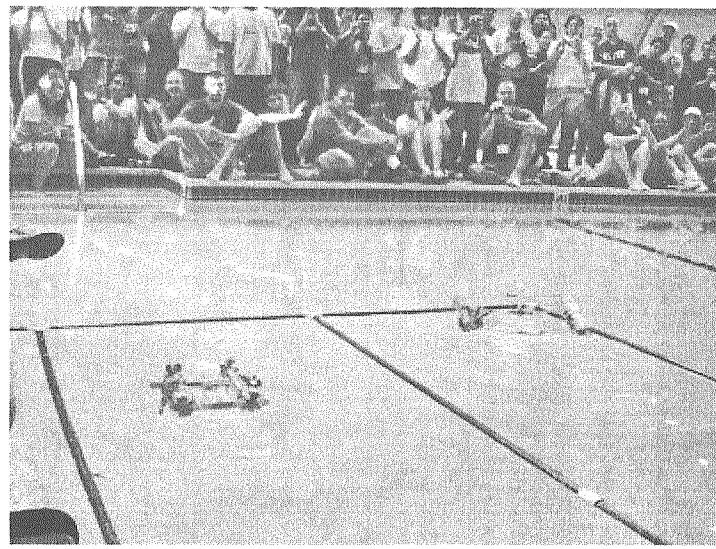
1. An action which any student thinks is a violation of the Rotation Rules must be reported to a member of the IHC.
2. Alleged violations will be tried by the IHC; a four out of seven vote is sufficient for conviction.
3. Any House or individual who is found to have violated these rules may be penalized by any of the following:
  - a. probation
  - b. loss of right to House rating (i.e., new student will be considered to have rated all seven Houses equally.)
  - c. loss of draft choices
  - d. loss of privilege to live on campus
  - e. any other punishment determined by the IHC

# Rotation Meal Schedule 2003

Name	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Last	First	Dinner	Lunch				
Adler	James	FL	DA LL	RU RI	RI BL	LL RU	BL DA PA
Alvarenga	Jessica	DA	RU RI	LL BL	BL PA	RI LL PA	RU FL
Arteaga	Jonathan	BL	LL FL	RI PA	PA DA	FL RI DA	LL RU
Atreya	Subash	DA	RI LL	RU PA	PA FL	LL RU FL	RI BL
Avramidi	Grigori	DA	BL LL	RU FL	PA FL	LL RU PA	BL RI
Bansal	Arjun	DA	RI PA	RU LL	FL PA	RU FL	RI BL
Barak	Shai	DA	RI PA	BL FL	FL LL	PA BL RI	RU RI
Barner	Martin	PA	FL RI	LL BL	DA RI	LL DA FL	RU RI
Barnor	Henry	BL	FL DA	PA RU	RU RI	DA PA RI	FL LL
Barroll	Daniel	FL	LL RI	DA BL	BL RU	RI DA RU	LL PA
Batrachenko	Pavel	FL	RU LL	BL PA	PA DA	LL BL DA	RU RI
Berglund	James	BL	DA RU	LL PA	PA RI	RU LL RI DA	FL FL
Birt	Daniel	DA	RI RU	PA BL	BL RU	PA LL RI	DA FL
Bose	Sanjeeb	LL	DA RU	FL PA	PA RI	RU FL RI DA	DA BL
Breuer	Luke	DA	RU BL	PA FL	FL LL	BL PA LL	RU RI
Chan	Benny	RI	FL BL	DA RU	RU LL	BL DA LL	FL PA
Chang	Christine	FL	DA PA	RU BL	BL LL	PA RU LL	DA RI
Chang	Shelley	RU	LL RI	PA BL	BL FL	RI PA FL	LL DA
Chechkin	Aleksander	RU	LL DA	RI PA	PA BL	DA RI BL	LL FL
Chen	Jing	LL	DA PA	FL RI	RI RU	PA FL RU	DA BL
Chen	Yang	FL	PA RI	LL BL	BL RU	RI LL RU	DA DA
Chen	Yijia	RI	LL PA	DA BL	BL FL	PA DA FL	LL RU
Cheng	Gary	RU	PA BL	RI FL	LL BL	RI LL PA	DA DA
Cheung	Evelyn	PA	LL FL	RI DA	DA BL	FL RI BL	LL RU
Chiang	Michael	BL	RI FL	LL RU	RU PA	FL LL PA	RI DA
Chou	Catherine	LL	RI RU	FL PA	PA BL	RU FL BL	RI DA
Chrystal	Colin	PA	BL LL	FL RU	RU RI	LL FL RI BL	DA DA
Cossel	Kevin	PA	FL DA	BL RI	RI RU	DA BL RU	FL LL
Cram	William	RU	FL RI	LL PA	PA DA	RI LL DA	FL BL
Crowley	Meghan	RU	RI PA	BL DA	DA FL	PA BL FL	RI LL
Csaszar	Ambrus	PA	DA RI	BL RU	RU FL	RI BL FL	DA LL
Dammmeier	Franziska	BL	RU DA	FL LL	LL RI	DA FL RI RU	PA PA
Das	Neha	DA	FL BL	PA RI	RI LL	BL PA LL	FL RU
Davila	Daniel	DA	FL RI	RU PA	PA BL	RI RU BL	FL LL
Deb	Rahul	BL	RU LL	FL DA	DA PA	LL FL PA RU	RI RI
Dickel	Doyl	RU	DA RI	PA LL	LL FL	RI PA FL DA	BL BL
Dow	David	RU	LL BL	FL RI	RI DA	BL FL DA LL	PA PA
Dreyer	Erik	RI	BL LL	RU DA	DA PA	LL RU PA BL	FL FL
Duong	Nhattrieu	BL	RU DA	RI FL	FL PA	DA RI PA RU	LL LL
Ehrhardt	Jeremy	LL	RU PA	BL FL	FL DA	PA BL BL DA	RI RI
Eichenlaub	Mark	RI	LL PA	RU DA	DA BL	PA RU BL	FL FL
Fadnavis	Sukhada	FL	PA BL	DA RI	RI RU	BL DA RU PA	LL LL
Falk	Hamilton	FL	LL RI	RU BL	BL PA	RI RU PA LL	DA DA
Fecho	Marlena	RU	FL DA	RI LL	LL BL	DA RI BL FL	PA PA
Feng	Ludi	PA	RU DA	LL RI	RI FL	DA LL FL RU	BL BL



Name	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Last	First	Dinner	Lunch				
Fisher	Kenneth	RI	RU LL	BL DA	DA FL	LL BL	FL RU PA
Fisher	Matthew	LL	DA RU	PA FL	FL BL	RU PA	BL DA RI
Fu	Daniel	BL	PA RU	LL RI	RI FL	RU LL	FL PA DA
Galli	Nicole	RI	RU DA	FL PA	PA BL	DA FL	BL RU LL
Garcia-Munoz	Issac	DA	PA BL	LL RI	RI FL	BL LL	FL PA RU
Garnica	Jaime	DA	RI FL	LL RU	RU BL	FL LL	BL RI PA
Gesek	Caleb	RU	LL RI	DA FL	FL PA	RI DA	PA LL BL
Gilliam	Elizabeth	RU	DA BL	RI PA	PA LL	BL RI	LL DA FL
Godoy	Francisco	DA	RI RU	FL BL	BL LL	RU FL	LL RI PA
Goldmints-Orlov	Arcady	FL	PA BL	RI DA	DA RU	BL RI	RU PA LL
Golub	Benjamin	BL	FL PA	RU LL	LL DA	PA RU	DA FL RI
Gong	Yuan	RU	PA FL	LL RI	RI DA	FL LL	DA PA BL
Graham	Jeffrey	RI	DA RU	FL BL	BL PA	RU FL	PA DA LL
Gray	Steven	LL	DA RU	PA RI	RI BL	RU PA	BL DA FL
Greene	Shannon	RI	FL LL	DA PA	PA BL	LL DA	BL FL RU
Grubbs	Alexandria	LL	DA RU	FL RI	RI PA	RU FL	PA DA BL
Grubbs	Melody	BL	LL DA	RU PA	PA RI	DA RU	RI LL FL
Gu	Chunhui	PA	LL RI	BL DA	DA FL	RI BL	FL LL RU
Hartman	Erin	LL	BL RU	FL DA	DA RI	RU FL	RI BL PA
Hartoongan Sarnaghi	Elena	BL	FL RU	PA LL	LL RI	RU PA	RI FL DA
Hartshorn	Matthew	FL	RU PA	RI BL	BL DA	PA RI	DA RU LL
Harvard	Ekaterina	PA	FL LL	DA RU	RU BL	LL DA	BL FL RI
Heafield	Kenneth	DA	PA RU	FL LL	LL RI	RU FL	RI PA BL
Henson	Zachary	LL	FL DA	BL RI	RI PA	DA BL	PA FL RU
Heung	King Yi	RU	LL RI	BL FL	FL DA	RI BL	DA LL PA
Ho	Kenneth	DA	RU PA	BL RI	RI LL	PA BL	LL RU FL
Howard	Jonathan	FL	DA BL	RI LL	LL RU	BL RI	RU DA PA
Huang	Chen Pin	FL	LL PA	BL DA	DA RI	PA BL RI	LL RU
Huang	Po-Yin	PA	BL FL	RI RU	DA FL	RI BL	DA LL PA
Huang	Wei	RU	LL DA	BL RI	RI FL	DA BL	FL LL PA
Huth	Alexander	BL	DA LL	RI FL	FL PA	LL RI	PA DA RU
Hutzler	Nicholas	RI	RU LL	BL FL	FL DA	LL BL	DA RU PA
Ikeda	Michael	LL	PA FL	DA BL	BL RI	FL DA	RI PA RU
Jester	John	RU	BL RI	LL PA	PA FL	RI LL	FL BL DA
Jia	Jimmy	BL	FL RI	RU PA	PA DA	RI RU	DA FL LL
Jurczak	Thomas	LL	FL PA	RU DA	DA RI	PA RU	RI FL BL
Kalantarian	Asadollah	RU	DA PA	FL LL	LL RI	PA FL	RI DA BL
Kelman	Anthony	PA	BL RI	DA LL	LL RU	RI DA	RU BL FL
Kim	Si Hyun	BL	LL FL	PA DA	DA RU	FL PA	RU LL RI
Kimura	Yuki	RI	RU FL	PA DA	DA BL	FL PA	BL RU LL
King	Jacob	BL	RI RU	FL LL	LL PA	RU FL	PA RI DA
Knoepfle	Daniel	RU	RI FL	LL PA	PA BL	FL LL	BL RI DA
Ko	Huaising	LL	RI DA	BL BL	FL DA	RU RI	FL RI PA
Kocurek	Michael	RI	PA BL	DA LL	LL FL	BL DA	FL PA RU
Koehler	Joseph	LL	PA RU	DA FL	FL RI	RU DA	RI PA BL
Kolodrubetz	Michael	DA	PA BL	RI FL	FL RU	BL RI	RU PA LL
Kranksi	Jeffrey	FL	PA RU	RI BL	BL DA	RU RI	DA PA LL
Kuznetsova	Yuliya	DA	RI BL	LL RU	RU FL	BL LL	FL RI PA
Labthavikul	Sy	RI	PA LL	FL BL	BL DA	LL FL	DA PA RU
Lai	Mason	RI	RU DA	LL BL	BL PA	DA LL	PA RU FL
Lee	Christine	PA	LL BL	FL RI	RI RU	BL FL	RU LL DA
Lee	Jack	RI	BL PA	DA FL	FL LL	PA DA	LL BL RU
Leedy	Warner	RI	LL PA	BL RU	RU DA	PA BL	DA LL FL
Levine	Samantha	BL	DA PA	RI LL	LL FL	PA RI	FL DA RU
Li	Chen	PA	RI LL	RU DA	DA BL	LL RU	BL RI FL
Li	Yingxuan	BL	LL PA	RU FL	FL DA	PA RU	DA LL RI
Lin	Diana	PA	FL RU	RI LL	LL DA	PA RI	LL RU PA
Lin	Ying	BL	RU DA	RI FL	FL LL	DA RI	LL RU PA
Lindzey	Laura	PA	RU RI	BL DA	DA FL	RI BL	FL RU LL
Liong	Jonathan	RI	PA DA	LL BL	BL FL	DA LL	FL PA RU
Liu	Daniel	PA	RI DA	LL FL	FL RU	DA LL	RU RI BL
Liu	David	FL	RU LL	BL RI	RI PA	LL BL	PA RU DA
Liu	Victor	RU	PA FL	BL DA	DA LL	FL BL	LL PA RI
Lo	Leyan	RI	FL RU	DA PA	PA LL	RU DA</	



Last	Name	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Last	First	Dinner	Lunch	Dinner	Lunch	Dinner	Lunch	Dinner
Loh	Po-Ru	BL	PA	RU	FL	DA	RI	RU
Lu	Sixin	DA	PA	RI	FL	BL	RU	RI
Lu	Zhongyi	PA	RI	DA	RU	FL	LL	DA
Luo	Siao	LL	BL	DA	PA	RU	FL	RI
Ma	Nicholas	LL	DA	PA	RI	FL	FL	BL
Marinescu	Smaranda	LL	PA	BL	RI	DA	FL	PA
Markov	Marin	PA	LL	DA	RU	FL	RI	LL
McDonnell	Joseph	FL	RU	BL	DA	LL	RI	PA
McKenzie	Alex	PA	LL	RI	BL	RU	FL	LL
McLaury	Daniel	FL	RU	DA	LL	BL	RI	DA
Merlino	Gian	RI	LL	PA	BL	RU	DA	BL
Messenger	Jayson	PA	BL	RI	DA	RU	LL	BL
Mizuo	Garrett	DA	RU	BL	LL	PA	RI	LL
Montuori	Craig	BL	DA	LL	PA	FL	RI	PA
Nasserizafar	Ryan	DA	RI	BL	LL	FL	PA	BL
Ng	Lydia	RU	LL	FL	BL	RI	DA	LL
Nguyen	Huong	LL	RU	BL	PA	DA	FL	BL
Nguyen	Vinh	RI	FL	LL	PA	DA	BL	FL
Ni	Li	BL	FL	DA	LL	RI	RU	LL
Nunez	Rodolfo	PA	LL	RI	RU	BL	FL	DA
Oliver	Daniel	FL	RU	BL	DA	LL	RI	BL
Ornelas-Kuh	Matthew	RI	BL	RU	LL	FL	DA	DA
Ouyang	Yingkai	DA	RI	BL	PA	FL	RU	RI
Paceley	Meaghan	RI	FL	PA	LL	RU	BL	FL
Padilla	Alex	LL	DA	FL	BL	RI	PA	DA
Panasenko	Nikita	DA	RI	RU	FL	LL	BL	RI

Last	Name	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Last	First	Dinner	Lunch	Dinner	Lunch	Dinner	Lunch	Dinner
Parker	Brenda	RU	DA	PA	BL	RI	LL	DA
Pedersen	Benjamin	RI	PA	FL	DA	RU	LL	PA
Peng	Yun-Chieh	DA	RI	FL	PA	RU	BL	LL
Perepelitsky	Edward	FL	PA	BL	RU	LL	PA	RI
Perepelitsky	Philip	PA	BL	FL	DA	LL	RI	RU
Pizano	Arturo	RU	BL	FL	DA	RI	LL	PA
Poon	Daniel	RI	BL	PA	RU	LL	DA	FL
Quetchenbach	Thomas	LL	DA	BL	FL	PA	RU	DA
Raburn	William	RU	DA	RI	FL	BL	DA	PA
Ramirez	Jon	LL	RI	DA	RU	PA	BL	PA
Ras	Kurtis	DA	LL	BL	RI	PA	RU	FL
Rashkova	Iva	LL	BL	DA	FL	RU	PA	RI
Reinecke	Royal	RU	RI	PA	BL	LL	FL	DA
Ridley	Kimberly	DA	FL	RU	RI	LL	BL	PA
Romano-Pringles	Patricia	FL	RU	RI	DA	BL	PA	RU
Romero	David	RI	BL	RU	FL	DA	LL	PA
Roop	Catherine	RI	FL	LL	RU	DA	BL	PA
Roy	Rudra	PA	DA	RU	FL	LL	BL	RI
Rubink	Alan	LL	DA	BL	FL	RI	PA	RU
Russell	Emily	LL	PA	BL	DA	FL	RI	PA
Rysmagambetov	Yernur	LL	PA	DA	FL	BL	RI	PA
Sadowski	John	RI	BL	LL	RU	PA	BL	DA
Saldana	Carlos	DA	LL	PA	FL	BL	RU	LL
Sanford	David	BL	FL	RU	PA	DA	RI	PA
Schmidgall	Emma	LL	PA	FL	BL	DA	FL	RI
Schmidt	Gregory	RI	BL	PA	DA	FL	LL	BL
Scholl	Cale	DA	FL	BL	RU	PA	LL	RI
Senn	Jonathan	FL	BL	DA	RU	PA	RI	LL
Setzer	Eliot	RU	BL	FL	PA	LL	RI	DA
Sharon	Chelsea	FL	RI	RU	DA	PA	BL	LL
Shay	Elizabeth	RI	FL	PA	BL	RU	DA	FL
Sheung	Janet	RU	LL	PA	RI	FL	DA	BL
Silberstein	Armanda	RU	FL	DA	RI	PA	LL	BL
Sinha	Preetha	PA	BL	DA	FL	LL	RU	RI
Sinnet	Ryan	BL	RI	LL	PA	RU	DA	FL
Sladek	William	RI	DA	LL	FL	RU	BL	PA
Soghoian	Damien	LL	RI	DA	PA	BL	RI	RU
Soibelman	Alexander	RU	RI	BL	PA	FL	RI	DA
Stachelek	Gregory	RI	PA	LL	FL	DA	RI	BL
Stein	Harrison	LL	RI	BL	DA	FL	RU	PA
Streit	Elisabeth	RU	BL	RI	PA	DA	FL	LL
Streit	Rebecca	PA	DA	FL	BL	LL	RU	RI
Stuparu	Andreea	BL	RU	LL	RI	DA	PA	FL
Su	Ping	FL	BL	LL	PA	RU	DA	RI
Sun	Jean	FL	BL	RI	LL	PA	DA	BL



Last	Name	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Last	First	Dinner	Lunch	Dinner	Lunch	Dinner	Lunch	Dinner
Sverson	Valerie	FL	BL	DA	RI	LL	RU	BL
Sze	Thomas	BL	FL	RI	DA	RU	PA	FL
Szwakowska	Klementyna	DA	BL	RU	LL	RI	PA	BL
Taketa	Cameron	RI	PA	FL	DA	RU	LL	FL
Thrift-Viveros	Dalina	FL	RI	RU	LL	PA	BL	DA
Tran	Lisa	BL	FL	PA	RU	LL	DA	RI
Truong	My-Ngoc	PA	FL	LL	DA	BL	BL	RI
Truong-Cao	Truong-Dzuy	LL	BL	FL	RI	DA	PA	BL
Tsai	Tom	PA	BL	FL	DA	RI	LL	BL
Velasco	Herman	RU	FL	RI	DA	PA	BL	LL
Velez	Raquel	PA	BL	FL	DA	RI	RU	FL
Wald	Randall	BL	DA	LL	PA	RU	RI	DA
Wang	Helena	LL	RU	BL	PA	RI	FL	RU
Wang	Ruiqi Rachel	DA	RU	LL	RI	BL	PA	RI
Wang	Wei	PA	RI	LL	RU	BL	DA	RI
Wang	Zhan	BL	FL	LL	RI	DA	PA	FL
Ward	Kristen	BL	PA	FL	DA	RI	LL	PA
Waylonis	David	FL	BL	RI	RU	PA	LL	BL
Wescott	Matthew	FL	LL	RU	DA	BL	PA	DA
Wicks	June	DA	RU	BL	RI	PA	FL	RI
Wilbur	Scott	BL	DA	RI	PA	LL	RU	DA
Williams	Auvergne	RI	LL	PA	BL	RU	FL	BL
Witt	Ryan	PA	DA	FL	RI	LL	RU	RI
Xu	Jiajing	BL	DA	RU	LL	FL	RI	DA
Xu	Xiao	BL	RU	LL	PA	FL	RI	DA
Yano	Jessica	PA	LL	FL	BL	RU	DA	FL
Ye	Xin	FL	RI	DA	LL	RU	BL	RI
Yi	Daniel	FL	RI	BL	LL	DA	RU	RI
Yu	Cecilia	RU	BL	FL	PA	RI	DA	BL
Yu	Christopher	LL	RI	FL	PA	RU	DA	RI
Yung	Wing Ning	FL	LL	RI	BL	DA	RU	LL

# No More Excuses to Stay In: A Local Transit Guide Getting Around Without Your Car

By AMEERA CHOWDHURY

This transit guide is intended for the Caltech community, but especially for the Caltech student who occasionally wants to take public transit into LA. The section, "How to Get There," discusses various automated trip planners. Discounts and subsidies for transit users are the topics of "What's FARE for Me?" The section, "How to Avoid Waiting," provides strategies to prevent long waits, and touches on some of the faster and more frequent transit systems. The Gold line is a light rail connecting Pasadena to a major transit hub, Union Station, in downtown LA; "Getting to the Gold Line" looks at how to get to Gold line stations from Caltech, especially on nights and weekends when bus services are less frequent. The section, "Bicycles on Public Transit," focuses on transit systems that allow bicycles on board as well as bicycle parking. Finally, "Conclusion and Links" suggests references for further information.

## How to Get There

If you're going to a popular LA destination, use Experience LA (<http://experienceela.com>), a new online resource for exploring LA's attractions via public transit. With searchable destinations and events directories, Experience LA is especially useful for the Techer who wants to go somewhere but doesn't know what LA has to offer. The incorporation of public transit information into its maps and itineraries differentiates Experience LA from other LA guides, and makes it a good choice for transit users.

MTA's Trip Planner (<http://www.mta.net>) produces public transit itineraries to anywhere in LA. If your destination is in southern California, but outside LA county, use the TranStar Trip Planner (<http://latrancstar.tann.com>) instead. TranStar includes all bus, rail and Amtrak schedules for Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara and Ventura counties, as well as connecting service between lines. Like all automated trip planners, the TranStar Trip Planner may not always produce the best itinerary, but will introduce you to transit options with which you may not be familiar. One such example is Metrolink (<http://www.metrolinktrains.com>), a southern California commuter rail system that is cheaper and has more frequent service than Amtrak.

Bicyclists should trip plan with BikeMetro (<http://bikemetro.com>). BikeMetro is like MapQuest, but geared for bikes: it understands that bicyclists look for different qualities in a route than automobile drivers. BikeMetro's itineraries, for example, avoid hills and traffic, and consider road quality and the existence of bike lanes and routes. BikeMetro currently covers LA, Orange, San Bernardino, and Riverside counties.

## What's FARE for me?

If you don't use public transit frequently, buy MTA Tokens, which are sold in bags of 10 for \$9 at the Caltech Bookstore and at the cashier's office in Keith Spalding. These tokens can be used on MTA Buses and in the Metro Rail ticket machines. Not only will tokens save you \$0.45 on the regular cash fare of \$1.35, but will also spare you from carrying change. Most importantly, these tokens don't expire. On buses after 9 p.m., however, it's cheaper to pay the \$0.75 night fare than to use a token.

Caltech's Rideshare office at 515 S. Wilson offers a \$15 monthly subsidy to any Caltech student, faculty, or staff who holds a monthly trans-

sit pass. The Caltech Bookstore plans to start selling MTA monthly passes (\$42) in October. Look for a Directory Update. Until then, MTA monthly passes and EZ Transit Passes (\$58) are available at Pasadena City College's (PCC) Student Business Services, which is located in the J building near the Bookstore; call 626-585-7336 for further information. Monthly passes are only sold during a certain window; a monthly pass for October, for example, can only be bought from 25 September through 10 October. If you need tiding over until the window, buy a weekly pass (\$11) or semimonthly pass (\$21); you won't receive a Caltech subsidy for these because they are not monthly passes. Only buy an EZ Transit Pass if you transfer to other transit systems from MTA.

You can also qualify for Caltech's transit subsidy if you hold a Metrolink monthly pass, which is good on Amtrak too under the Rail 2 Rail program. With more effort, you can get a college student monthly pass (\$30); after Caltech's subsidy, you'll pay only \$15 a month for transit. To obtain a student pass, see the directions in the Riding Metro section of MTA's webpage ([http://www.mta.net/riding\\_metro](http://www.mta.net/riding_metro)). You may only collect the subsidy on one pass per month, however. Contact Irma Cruz at x4702 for more information about Caltech's transit subsidy.

If you don't use an MTA pass, take advantage of transfers so that you don't have to pay full fare for every connection. Transfers cost \$0.25. Note that Metro Rail ticket machines and MTA buses accept a token and \$0.25 as payment for one ticket plus a transfer. Your Metro Rail ticket has an expiration time on it, and you can use your Metro Rail ticket as a transfer on any other MTA line as long as travel occurs before the expiration time. A valid Metrolink ticket also acts as a transfer on connecting transit away from the station. You can use transfers on MTA buses up to two times. If you need two transfers, pay for a ticket plus a \$0.25 transfer on the first bus. Give your transfer to the driver on the second bus, and request another \$0.25 transfer. You'll be able to use the second transfer on the third bus, but after that you'll have to pay full fare.

## How to Avoid Waiting

Although MTA's Trip Planner will produce an itinerary that will get you to your destination, it may not be the best possible route. The biggest time losses occur when waiting for a connection, especially if you just missed the previous one. Consequently, try to rely on Metro Rail lines and Metro Rapid buses, which come as often as every 5 to 15 minutes during peak hours. Metro Rail lines are never slowed by traffic congestion, and Metro Rapid buses are especially gratifying because each Rapid bus has sensors that keep traffic lights green when a Rapid bus is approaching.

The Metro Rail system is comprised of the Gold, Red, Blue, and Green lines. You'll recognize Metro Rapid buses by their distinctive red color and by their number, which is always in the 700's. Many popular destinations are accessible via Metro Rail and Metro Rapid. For a complete listing, go to Experience LA or the Riding Metro section of MTA's webpage.

You can also check to see if your destination is near a Metro Rail or Metro Rapid stop by consulting an MTA System Map, which you can pick up for free at MTA's Customer Service Center in Union Station. Consult a Gold line

## Southwest Museum

## P Heritage Square/ Arroyo

## P Lincoln Heights/ Cypress Park

## Chinatown

Mission P Fillmore Memorial Park Allen Lake Sierra Madre Villa P

## Highland Park

## PASADENA

Metrolink  
San Bernardino Line

Metrolink  
Riverside Line

## Union Station

R P D

courtesy of www.mta.net  
The Metro Gold line, starting from Sierra Madre Villa, and ending at Union Station in downtown LA provides versatile and cheap transportation for the Caltech student.

The System Map can be downloaded from the Riding Metro section of MTA's website, but it's easier to work with a hard copy. An additional advantage of using an MTA System Map is that it presents you with all your transit options whereas MTA's Trip Planner gives at most two. Consequently, if you're waiting at a bus stop, and your bus hasn't arrived, check the System Map to see whether you can catch an alternative bus at a bus stop nearby. MTA System Maps are posted at Metro Rail stations, but unfortunately not at bus stops, where they are needed most.

## Getting to the Gold Line

The Gold line provides service from Pasadena to Union Station in downtown LA, where you have a variety of transit options including Amtrak, Metrolink, and the Metro Red line. Popular destinations along the Gold line are South Pasadena's Mission Station, Chinatown, and Union Station. The closest Gold line stations to Caltech are Allen (1.5 mi), Lake (1.75 mi), Del Mar (2 mi), and Memorial Park (2.3 mi). The Allen Station is located on Allen Ave between Maple St. and Corson St. You can find the exact locations of other stations in the Riding Metro section of MTA's website. The Gold line runs from 4 a.m. to 1 a.m. and comes every 10 to 20 minutes.

Bicycle is the most convenient mode of travel between the Gold line and Caltech, especially at night and on weekends when bus service is less frequent. Bikemetro.com can map a bike route between Caltech and any Gold line station. Inverted U bicycle racks will be available at all the Gold line stations. If you're uncomfortable with bicycle racks and travelling to downtown LA, try leasing a bike locker from MTA; currently, there are no bike lockers at Gold line stations. See the Bicycles on Public Transit section for more information.

The best bus routes to take between Caltech and the Gold line on weekend nights are MTA 181 from Memorial Park, MTA 256 from Del Mar or Allen, and MTA 485 from Lake. Of these, MTA 485 runs the latest, until 1 a.m. on Friday and Saturday. At your request, MTA buses will stop at any safe intersection along the route between 9 p.m. and 5 a.m.

If you commute to Caltech via the Gold line, MTA 177 and MTA 267 have the closest stops to Caltech at California/Wilson and at Del Mar/Chester respectively. Other MTA buses stop at PCC, which is close to Caltech. Consult a Gold line

schedule for more information on daytime connecting transit.

## Bicycles on Public Transit

Almost all MTA buses have bike racks that can carry up to two bikes. All Foothill Transit buses are equipped with bike racks. Except during weekday rush-hour in the following directions, you can carry your bike on Metro Rail. Note that there are no restrictions on bikes during weekends and holidays. To avoid crowding, Metro Rail requests that bicyclists board the last car. For more information, see the Riding Metro section of MTA's webpage. You may carry a bike without restriction on Metrolink trains.

Weekdays: 6:30 - 8:30 am  
Metro Gold Line: Sierra Madre to Union Station

Metro Red Line: Union Station to Wilshire/Vermont (both directions)

Metro Blue Line: Long Beach to 7th/Metro

Metro Green Line: Norwalk to Marine

Weekdays: 4:30 - 6:30 pm  
Metro Gold Line: Union Station to Sierra Madre

Metro Red Line: Union Station to Wilshire/Vermont (both directions)

Metro Blue Line: 7th/Metro to Long Beach

Metro Green Line: Marine to Norwalk

Inverted U bicycle racks are available at most MTA Rail Stations. If you feel uncomfortable with bicycle racks, try leasing a locker from MTA; call 213-922-4624, 213-922-7091, or 213-922-7009 for more information. You can rent a locker for 3 months (\$9), 6 months (\$15), or 1 year (\$25) with a \$25 deposit. Currently, there are no bike lockers at Gold line stations. MTA can mail you an application or you can apply in person at the Metro Customer Center in Union Station.

## Links

This transit guide provides transit information as it pertains to Caltech. For a comprehensive overview of public transit in LA County, see the Riding Metro section of MTA's webpage ([http://www.mta.net/riding\\_metro](http://www.mta.net/riding_metro)). A list of links that provide more detailed transit information follows.

Southern California Transit Advocates (<http://socata.lerct.org>): publishes a transit guide with all the basic information.

tion (routes, hours of operation, fares etc.) for each transit agency in LA, Orange, Riverside, San Bernardino, San Diego, Ventura, Santa Barbara, and Kern counties.

Los Angeles County Bike Coalition (<http://www.labikecoalition.org>): publishes a bicycle resource guide and advocates for better bike policies in LA county.

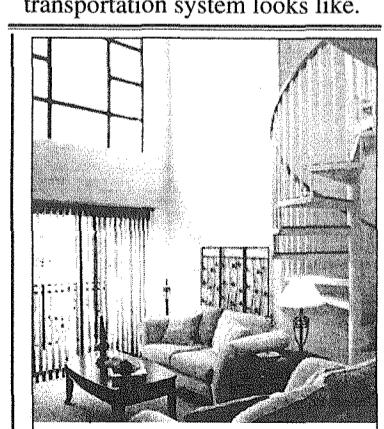
Pasadena Area Rapid Transit Systems (ARTS) (<http://www.ci.pasadena.ca.us>): can, most notably, get you to Old Town for \$0.50; call 626-398-8973.

Foothill Transit (<http://www.foothilltransit.org>): goes east to the San Gabriel Valley; call 626-967-3157.

LADOT (<http://www.ladottransit.com>): operates in Los Angeles, Huntington Park, and West Hollywood; call 213-808-2273.

Glendale Beeline (<http://www.glendalebeeline.com>): offers real time transit information which you can access on their website or on NextBus's (<http://www.nextbus.com>); call 818-246-4258.

London Transport (<http://www.tfl.gov.uk/tfl>): has nothing to do with LA, but London is really forward-thinking; they have a congestion charge within their city. Let's all stop to consider what a real transportation system looks like.



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by Jorge Cham

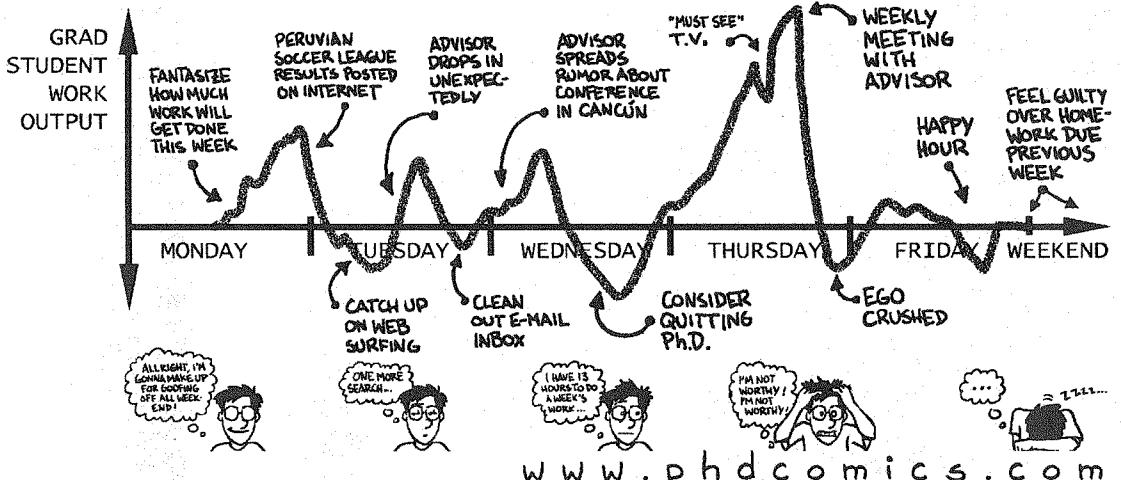


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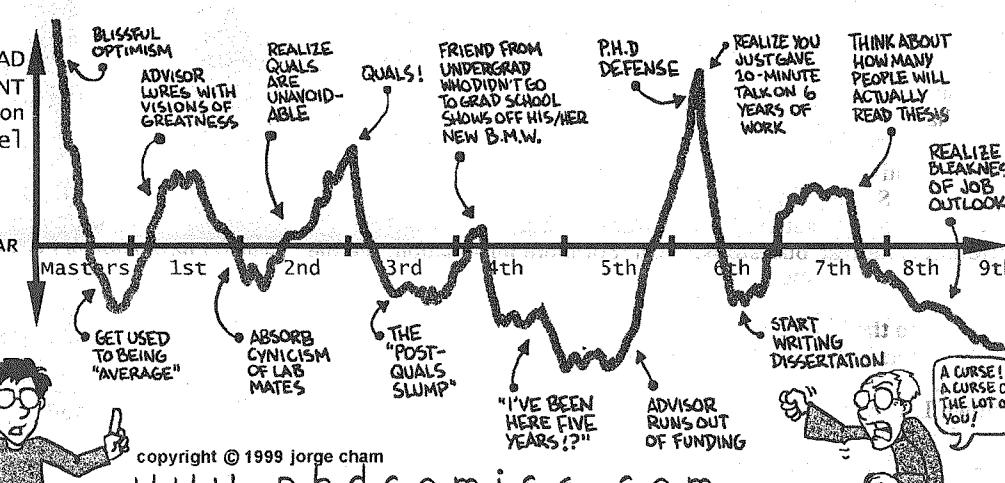


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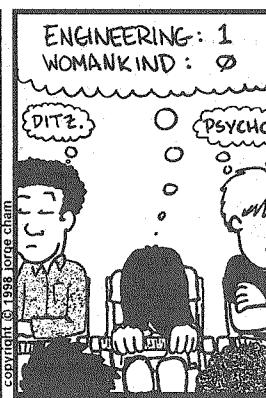
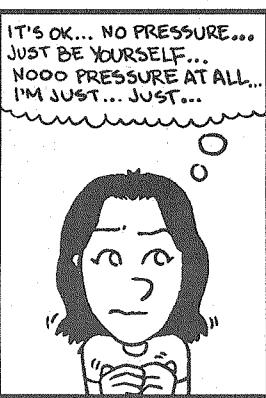


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*Meeting*

Aero Association of Caltech (Caltech Flying Club). Want to learn to fly? AACIT offers aircraft rental and flight instruction, and organizes fly-outs and flying related activities. Join us on Sunday, September 28th from 1-6 PM at the El Monte Airport for the Annual AACIT BBQ. Meet our flight instructors, enjoy FREE introductory flight tours to scenic spots in LA (for CIT students), view our fleet of seven aircraft, and enjoy some great food. Rides to/from the airport are available. For more information visit our web page [www.its.caltech.edu/~aacit](http://www.its.caltech.edu/~aacit) or contact Eric Fechter at [fechter@its.caltech.edu](mailto:fechter@its.caltech.edu).

The Seminar on Science, Ethics, and Public Policy (SEPP) has been renamed: Caltech Humanities presents Seminar on History and Philosophy of Science (HPS).

7 October 2003 (8:00 pm Beckman Institute Auditorium); Brenda Maddox, "Rosalind Franklin: The Dark Lady of DNA" co-sponsored by the Caltech Women's Center, President's Office, Caltech Public Events, Office of the Faculty, Biology Division, History and Philosophy of Science Program, Caltech Bookstore. Contact Caltech Ticket Office [events@caltech.edu](mailto:events@caltech.edu) or 626-395-4652

20 October 2003 (4:00 pm 25 Baxter); Michael Arbib (USC), "From Monkey-like Action Recognition to Human Language: An Evolutionary Framework for Neurolinguistics"

Please note the following Munro seminars as well:

17 October 2003 (4:00 pm 25 Baxter); Jonathan Israel (Institute for Advanced Study, Princeton), "The Radical Enlightenment"

7 November 2003 (4:00 pm 25 Baxter); Gideon Yaffe (USC), "The Government Beguiled Me, and I Did Eat": Responsibility and the Entrapment Defense"

Seminars on the Caltech campus are open to the community at no charge. For information, contact Moti Feingold at 626-395-8696 or [feingold@hss.caltech.edu](mailto:feingold@hss.caltech.edu)

The California Tech is looking for an undergrad to serve as our computer administrator. This person should be familiar with both Macintosh and PC systems, who would be able to keep our computers up to date, install software as needed and assist with the Tech website.

The Caltech Women's Center is located at 265 Center for Student Services. Our mission is to promote the advancement of women in science and engineering. The Women's Center works to support the central research and educational mission of Caltech, while providing students, postdoctoral scholars, staff, and faculty—women and men—with opportunities, programs, and services that address gender issues and promote success, equity, and safety. Some of our programs include Academic and Professional Development; JUMP, the JPL Undergraduate Mentoring Program; Women Mentoring Women; Technical Tours Series; and Seminars and Workshops. Coming up on September 30 is the Graduate Women's Discussion Group. October 7, we will host "Rosalind Franklin: The Dark Lady of DNA," Lecture and Book Signing with author Brenda Maddox. For a full list of programs and services, visit our webpage at [www.womenscenter.caltech.edu](http://www.womenscenter.caltech.edu).

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# Message from the Dean: Hello Frosh On Quarks, Quirkiness, Procrastination and Fries?

By JEAN-PAUL REVEL

...and once more...welcome to Caltech in beautiful Pasadena. At least that is how our city was described in early Caltech catalogs (vintage circa 1910) as "not only one of the most beautiful cities, with a climate of unapproached equability and healthfulness, but also noted for the morality, refinement, and culture of its citizens. Being purely a residential town, 10 miles from the factories and marts of Los Angeles, it is surrounded by safeguards and privileges that fit it for the guardianship of youth. Saloons are prohibited by charter. Boys under age are shut out by statute from questionable places of amusement, of which there are few... Pasadena...has frequently been called 'the most beautiful city in the world.'"

Well now you know. Things have changed a bit and luckily not all of the things that were said about the city of roses in the early XX century are still appropriate 93 years later, but this is still a great place to live and to study.

Seen from another point of view, Pasadenaans can be proud to have you in their midst, you crème de la crème of the country's, nay, maybe the world's, frosh. You'll excuse me if I use the French spelling of "crème," but I feel empowered now that Rep. Sheila Jackson Lee (D, Tx) has urged Congress to reverse course and replace the "Freedom Fries" on the House Menu with "French Fries" again (CNN.com, 9/16/03).

Now, it is possible that all 221 ones of you in the new student class will all be equally successful, but the probability of that happening is not very high. Some of you, good as you are, will find yourselves in the lower 50%. Being an average cream, or even, by criminy, just less than the top cream, can be very difficult to swallow.

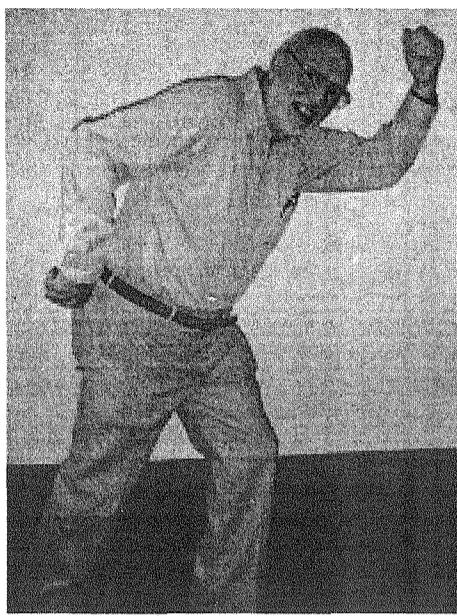
A very common problem with Techers is that they have not been

specially challenged in their high schools. They could get the work done in a snap, just like that, and go back to build a rocket in their parents' garage, or maybe solve an arcane mathematical puzzle. In this era of journalistic (and other) fibbing, I want to assure you I am not making up these examples. There was one applicant a number of years ago who included in his application package pictures of his parents' garage, before and after the rocket caused a fire, and last year one of the incoming students, did solve an 85 year old mathematical conjecture which up to then had evaded solution.

The deep dirty secret of many incoming students is that they have never learned to study. They got away with procrastination and with doing their work at the very last minute, or maybe not at all. That may not work well here. To get ready for what's likely to come your way you will need to learn to learn. You can get lots of hints at successful approaches to study by googling the words "study techniques."

One site which seems to be quite thorough is the Texas A&M site: [http://www.scs.tamu.edu/selfhelp/e\\_l\\_i\\_b\\_r\\_a\\_r\\_y/basic\\_study\\_techniques.asp](http://www.scs.tamu.edu/selfhelp/e_l_i_b_r_a_r_y/basic_study_techniques.asp). It is one of the first of the 17901 entries I found when I looked last, searching for "study techniques." Among the other 17900 entries there are bound to be many more that are useful. Another search, for "note taking" or "Cornell method" will give you hints on how to organize your stuff, for convenient access and review.

Be sure to take advantage of all the props that are available. Attend lectures, do the work as it gets assigned, set up a copasetic group of students to work with. Get advice



from TAs and Profs, even the Deans. The Deans know little about neutrinos, but they know how to get you help if you need it. They even have a list of tutors that are available at no cost to you, to get you going if you are stalled, and explain all about quarks.

No matter if a quirk of development has made you a top or a bottom quark, you'll have to work hard. Don't try to take too big a load. Some upperclass students will encourage you to do so, it worked for them, they say. The argument you'll hear is that you are on Pass/Fail for your first two terms and there is no way you could fail, frosh. So why not grab the opportunity to take some pesky and required courses and get them out of the way? My question to you is: are you here to pass courses or to learn something? Remember the courses you'll take later will build on the foundation you establish now. So I say, don't tempt fate.

In any case I'll repeat: whether you are dealing with very hard material or just need a little clarification, talk to your TAs, and/or your advisor, and/or maybe even the Deans. We have ways to be help-

## A Fireside Rap From Fletcher

*Continued from Page 3, Column 2*

the *little t* is on route to the printers, where it will take between 20 and 25 days to print. We are sorry for this delay, but please don't kill those wacky Munth kids because they did a good job of making the *little t*'s content and it's not their fault. In the meantime, if you're a frosh and you need to use a *little t*, talk to an upperclassman.

### Moment of Zen

For all the upperclassman that did not get to go to Frosh Camp, I may have rapped the closing paragraph of my welcome speech to the freshmen. Ask a freshman to see if it actually happened.

Peace out Caltech,  
Tom Fletcher

PS: Frosh, remember to meet awesome upperclassmen during rotation. If you only meet one, don't meet me - I'm boring and weird. Meet Brandon Ballara, affectionately B-Balla. He is the finest reason to consider dropping the embargo with Cuba.

ful, and the earlier you do something about any trouble you might be in, the easier it is to do something about it. There is nothing, nothing to be ashamed of if there are things you do not understand. Think of it this way. The rest of your life is going to be dealing with unsolved (and sometimes unsolvable) problems. So start by recognizing that you could be stumped even now, see the Deans and stump them! (secret: when they don't know the answers, they ask someone....)

And that, don't ask me why, reminds me of the words of Louis Pasteur. "Where observation is concerned, chance favors only the prepared mind." Go then, prepare your minds and ready yourself for a life of achievement and discovery.

A bientôt

## FROSH CAMP OFFERS SKITS, TALKS, DANCE

### CLASS OF 2007 BONDS AT CAMP

### Design Competition, C&C Skits give Frosh a Taste of Tech Life

*Continued from Page 1, Column 2*

Kenneth Fisher, Anthony Kelman, Gus Zhang, Randall Walk, My ngoc Truong and Joseph Koen will be treated to lunch at the Athenaeum for their hard work.

The class of 2007 certainly showed off its talent--along with its wackiness--at the annual talent show held Tuesday night. Acts ranged from beautiful violin playing and singing to a rousing performance of the Beaver Dance. Dean Revel delighted the audience with his "doodle to music." House skits were amazingly well planned this year, and when the upperclassmen took the stage, craziness and hilarity ensued as each house tried to entertain while conveying a little bit about the house personalities.

The night ended with a rousing party and dance where the freshmen took to the dance floor to get their groove on.

During camp, Dean of Students Jean-Paul Revel commented, "It's been nice, a little hot and dry, and people get thirsty, but it's been nice. The Honor Code talk was well put, the Ropes Course was fun, and Challenges and Choices did a good job. We [the administrators] have also already identified all the troublemakers! Just kidding!"

The following day, Caltech and the new students bid goodbye to Astrocamp as they came back to campus, armed with advice, warnings and bunches of new friends to start the school year.



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# Gray Davis Responsible for Low Quality of This Summer's Movies

By LIBIN ZHANG

Bill O'Reilly and Rush Limbaugh, plus the support of Michael Eisner, Rupert Murdoch and other media members, have convinced me that current California Governor Gray Davis is to blame for most of our society's ills. Darrell Issa has selflessly spent \$1.7 million of his own money so that we the people can choose a new scapegoat in public office.

Examples of Gray Davis's negligence and incompetence are numerous. He has allowed California's budgetary situation to disintegrate.

With the loss of state revenue from capital gains due to the economic recession, the state faced a budget deficit of approximately \$35 billion. To get an idea how large that number is, doubling the budget deficit results in almost enough money to pay for the occupation of Iraq this year.

Adding insult to injury, Gray Davis has consistently and stubbornly opposed the use of tax cuts to boost state revenue. In fact, he prefers to use massive tax increases and cuts in public safety and edu-

cation to balance the state budget. He has proposed a tax on Internet commerce companies with a retail outlet in California. Little mention of new taxes was made before the last Election Day. I do not remember the last time an elected public official raised taxes after using a campaign promise like, "Read My Lips: No New Taxes." Gray also sat idly by as Republicans deregulated of the California power industry; A subsequent California energy crisis has raised the utility bills of California residents.

However, Gray Davis's most grievous crime has been overlooked by the Liberal Media. Over the past few years, during Gray Davis's governorship, the quality of American summer movies have sunk to a new low. Some of us still fondly remember the good old days of Governor Pete Wilson, when movies were all critically acclaimed and we almost kept the [immigrants] out. This past summer has been especially uninspiring. Besides the usual crop of forgettable sequels (Legally Blonde 2, Bad Boys 2, American Wedding, Charlie's Angels 2, and so on), I would like to single out four comedies made by the liberal Hollywood establishment that demonstrate Davis's remarkable incompetence in movie making. These four movies have the distinction of being on imbd.com's worst 100 movies.

1. Gigli, a romantic comedy starring Ben Affleck and Jennifer Lopez. In the second week after release, Gigli grossed \$600,000 in two thousand theatres, which translates to roughly three customers present per screening. 2. From Justin to Kelly, a romantic comedy starring two American Idols. This movie was released on video barely two months after its theatrical release. 3. Kangaroo Jack, produced by Jerry Bruckheimer, who also produced Black Hawk Down, Gone in Sixty Seconds, Coyote Ugly, The Rock, and Beverly Hills Cop. 4. Dumb

and Dumberer: When Harry Met Lloyd, the eagerly anticipated sequel to the original Farrelly Brothers comedy.

The quality of the aforementioned movies should be obvious. The fact that such movies were produced during Gray Davis's tenure is one of his graver crimes against humanity. Furthermore, the movie Dumb and Dumber had a production assistant by the name of Shawn M. Gray. Coincidence? I think not.

Thankfully, we have an experienced and accomplished actor on the list of candidates to replace Gray Davis. Not only is Arnold Schwarzenegger married to the Kennedy family, he has great name recognition and supports most forms of abortion, gun control, and immigration. The other candidates are inspiring as well; gubernatorial candidate Georgy Russell sells her own line of "Georgy for Gov" thongs, and at least one candidate has been convicted of drug offenses.

Of course, there are those who are opposed against the recall election and spew typical liberal nonsense: 'We are opposed to the recall of any elected official who has not committed acts of corruption or malfeasance, and is not physically or mentally incapacitated in any way which would preclude him from serving out his term of office.' [RepublicansAgainstTheRecall.com]. Need anyone be reminded that Clinton got a blowjob in office and lied about it?

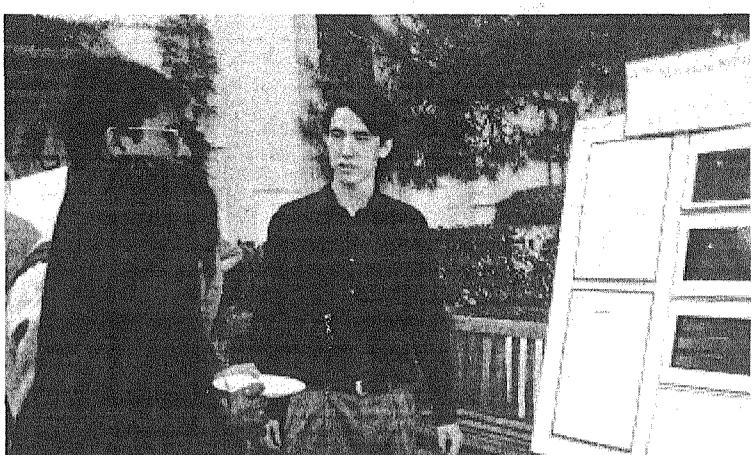
UPDATE: Issa has recently suggested that if both Schwarzenegger and McClinton remain on the ballot and split the Republican vote, Issa would rather vote 'no' on the recall than let Lt. Governor Cruz Bustamante be governor. I thought the idea was that Davis was incompetent and could not do the job. Does Issa merely want his own party in office? I am absolutely shocked that American politics have taken such a partisan tone.



Courtesy of L. Zhang

Remember the last time an ethnic Austrian took control of a rightist party in a time of economic turmoil to win a special election?

## SURFing the Summer Away



courtesy of Norma Dávalos

During SURF's Summer Seminar Day on August 19, Nicholas Wall '05 explains his summer research in his poster presentation.



courtesy of Norma Dávalos

Vincent Auyeung '05 (second from front) literally hangs around on NASA's Vomit Comet, the Microgravity Simulator based outside Johnson Space Center in Houston, Texas. He flew August 2.



courtesy of Norma Dávalos

Students enjoy a SURFSAC dinner at Burger Continental with Associate Professor of History Bill Deverell on August 13.



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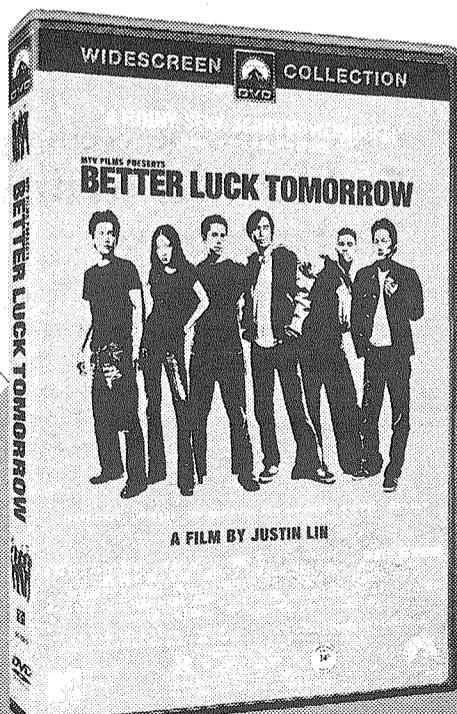
Roger Ebert

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C. W. Nevius, San Francisco Chronicle

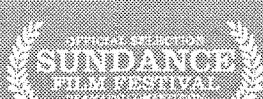
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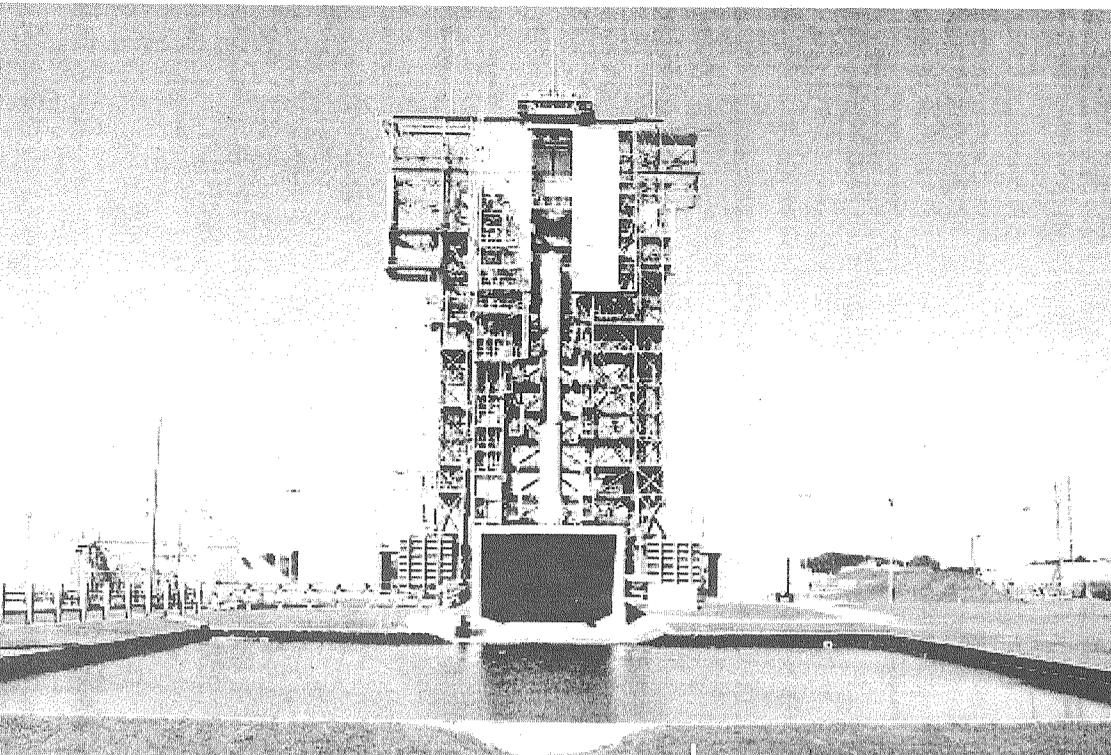
Richard Roeper



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Courtesy of SIRTF

SIRTF, NASA's Space Infrared Facility, pictured here sitting on the launch pad at the Kennedy Space Center in Florida was launched August 25. Since then, it has used its infrared array camera to take some preliminary star-studded images.

## SIRTF Returns Striking Test Images

By JANE PLATT

NASA's Space Infrared Telescope Facility has switched on two of its onboard instruments and captured some preliminary star-studded images. The space observatory was launched from Cape Canaveral, Fla., on August 25.

The images were taken as part of an operational test of the infrared array camera. It will take about a month to fully focus and fine-tune the telescope and cool it to optimal operating temperature, so these early images will not be as sharp or polished as future pictures.

"We're extremely pleased, because these first images have exceeded our expectations," said Dr. Michael Werner, the Space Infrared Telescope Facility project scientist at NASA's Jet Propulsion Laboratory, Pasadena, Calif. "We can't wait to see the images and spectra we'll get once the telescope is cooled down and instruments are working at full capacity."

The most striking image is available on the Internet at the following websites:

<http://sirtf.caltech.edu/news/releases/ssc2003-03/>  
<http://photojournal.jpl.nasa.gov/catalog/PIA04724>  
[http://www.nasa.gov/vision/universe/starsgalaxies/sirtf\\_alive.html](http://www.nasa.gov/vision/universe/starsgalaxies/sirtf_alive.html)

The telescope's dust cover was ejected on Aug. 29, and its aperture door opened on Aug. 30. The spacecraft is operating in normal mode, and all systems are operating nominally. The team is very pleased with the rapid progress of the observatory and all of its onboard systems, said Project Manager David Gallagher of JPL.

In addition to the infrared array camera, the multi-band imaging photometer instrument was also switched on for the first time in a successful engineering test. The spacecraft's pointing calibration and

reference sensor detected light from a star cluster. The third instrument, the infrared spectrograph, will be turned on later this month.

These operations are part of the mission's two-month in-orbit checkout, which will be followed by a one-month science verification phase. After that, the science mission will begin a quest to study galaxies, stars and other celestial objects, and to look for possible planetary construction zones in dusty

discs around other stars.

JPL, a division of the California Institute of Technology in Pasadena, manages the Space Infrared Telescope Facility for NASA's Office of Space Science, Washington, D.C. More information about the Space Infrared Telescope Facility is available at <http://sirtf.caltech.edu/>.

For more information about NASA on the Internet, visit NASA.

## Creating a Convocation Tradition

*Continued from Page 1, Column 5*

looks like. According to the Nobel laureate, three things are evident in everyone at Caltech: initiative, a quantitative mind, and most importantly, a passion for science, math, and technology. Passion, proclaimed Dr. Baltimore, is what keeps you going during those problem sets and labs. He closed out his remarks adding that he "hopes we and you benefit from your time here."

Povost Steven Koonin followed President Baltimore with his speech on "Integrity in Science." In science, declared Dr. Koonin, there is right and wrong. Things either work, or they don't. What's more, he added, is the cooperation required and trustworthiness essential to the success of science. He encouraged integrity saying, "We scientists don't fudge because science won't work if we do." One of the great things about science, according to Dr. Koonin, is the default assumption that everyone is acting with integrity.

In an earlier interview, Dean Barbara Green, expressed delight that everyone agreed to speak at the Convocation, saying it reflected that everyone shares the value in welcoming people to Caltech. Perhaps the main aim of the ceremony

is to help people feel like part of a community by helping them to appreciate Caltech. To facilitate this appreciation, plans were made to highlight Caltech's culture and personality. Additionally, introductions would be made of the Deans, the Mosh, Division Chairs, student leaders, and the Chair of the Faculty.

The keynote address was given by Drs. David and Judith Goodstein, titled "The Caltech Culture and its Origins." Speaking first, Dr. Judith Goodstein outlined Caltech's early history and some of the key figures in Caltech's development in the pre-World War II era. Outlining the efforts of Robert Millikan, Arthur Noyes, and George Hale, Dr. Goodstein traced Caltech's transformation from the little known Throop University to an academic powerhouse called Caltech. She finished her portion of the presentation with a fabulous movie produced by the Digital Media Center showing images of Caltech from the archive and tracing its changes.

Dr. David Goodstein then spoke about Caltech's changes since World War II into our Caltech of today, namely following the efforts of Lee Dubridge, who helped add a number of Caltech's finest departments by securing federal funding (which departed from Millikan's

## High School Students Say "YES" to Summer Research

By DEBORAH WILLIAMS-HEDGES

PASADENA, Calif.—Some of the brightest high school students in the country recently attended the California Institute of Technology's Young Engineering and Science Scholars (YES) program. Caltech's YES program brought together 24 students who excel in and have a passion for science and engineering, and exposed them to advanced scientific research and the methodology of the science professional.

These students are juniors and seniors in high school who have demonstrated a high aptitude in math, engineering, and the sciences. Most of the students have already begun their studies in calculus, physics, biology, engineering, and computer science.

Admission to the YES program is competitive; the students were selected from over 100 applicants across the United States. The grade point average of the students was 3.93.

The YES students participated in interdisciplinary scientific study during the intensive three-week program, which covered molecular biology, neuroscience, engineering design, applied physics, and art technology.

To encourage the pursuit of professional careers in science and technology, the YES program also exposes the participants to entrepreneurial exploration, technology transfer, and to seminars from leading Caltech faculty and experts.

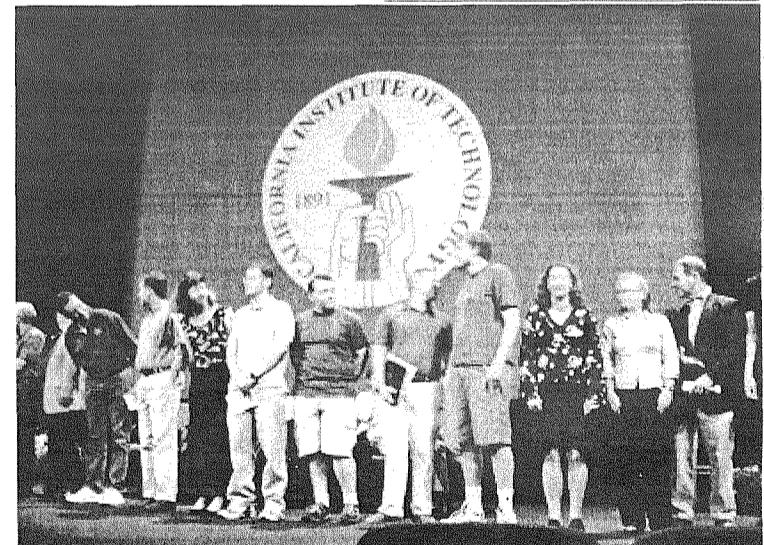
Brandi Jones, director of the

Caltech office for Minority Student Education, says, "Our program is unique because it provides high school students an invaluable opportunity to conduct hands-on research with Caltech postdoctoral scholars, graduate students, and with outstanding local high school teachers. We assemble this exceptional academic team to provide a rich extension of the scientific curriculum for these students. Our goal is to provide an extraordinary research opportunity that will help to shape and contribute to the futures of these bright students. The program focuses on introducing and exposing the students to advanced science; they are encouraged to maintain their interest in science, and to pursue careers in science and engineering.

"Another important element of our program is 'community building,' where we structure a family atmosphere and support network to ensure academic and professional success," Jones continued. "We establish a system so that students can stay in touch with one another after the program concludes, and we maintain contact with them after the program. We will even assist them with the college application process and with other pertinent college information."

Although the program was intense, the students did get a dash of fun in their rigorous schedules. At the culmination of the program, one of the weekend highlights was the boat races. Applying the recently learned laws of physics and engineering, and a bit of creativity and ingenuity, teams of students built boats using only cardboard and duct tape. The boats had to transport one of their team members across a pool.

Caltech's assistant director for educational programs and coordinator of the YES program, Milton Mitchell, Jr., commented, "While most teams in previous years barely made it out of the pool's starting blocks, this year three out of the five teams were able to travel the full length of the pool without sinking their makeshift boats - or occupants!"

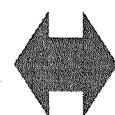


V. Tran/The California Tech  
 Student leaders and administrators stand up on the stage of Beckman Auditorium to welcome the new incoming students at Caltech's first Convocation last Monday.

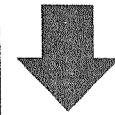
### CALTECH CONVENTIONAL WISDOM WATCH



**More Girls!**: Caltech Admissions works towards a better ratio. Everyone wins. The boys have more girls to glomm, and the females have more girlfriends to whine about the glommers to.



**Star Frosh**: After the traumatic experience of having to be the starhopper for your frosh camp dinner table, you'll have to go to the Counseling Center for help.



**RIAA Cracks Down**: College culture is in for a major change as the Recording Industry Association of America serves subpoenas to universities for online music sharing. What do we do now? Whoever heard of buying CDs?

### The California Tech

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