



Basketball team to kick off the season with Midnight Madness

By Tina Ding
EDITOR-IN-CHIEF

This Thursday, Caltech's men's and women's basketball teams will kick off the start of the official basketball season by throwing the first Midnight Madness event in Caltech history.

Midnight Madness is a traditional collegiate basketball event that takes place on the first day that National Collegiate Athletic Association (NCAA) allows the sport to begin practice. With the first tick of the clock at 12:01am of October 15th, the basketball teams will do some dunks and drills to signify this commencement, but the bulk of the event is celebration.

"We want to pump up the new players on the team and get the Caltech community excited about the upcoming season," said men's basketball Coach Oliver Eslinger who initiated the efforts for this event.

The event, partially funded by Housing and Student Life, begins at 10:30pm with food followed by games, prizes, and giveaways at 11pm, and climaxes with the highlight of the night at 12:01am when the men's and women's basketball teams will be introduced to the Caltech community.

"We need to have that extra energy from our fans to add to the sum of our parts for a successful season," said

women's basketball Coach Sandra Marbut, who recounted the crowd's excitement when the women's team won their first conference game in the 2006-7 season.

The men's team this season is composed of much more experienced players than was the team two years ago. When Oliver Eslinger started as the coach of the men's team two years ago, he initiated an active "recruiting" campaign to reach out to academically qualified students with experience in basketball. However, his recruitment efforts differ from that at most other colleges-- Caltech offers no monetary incentives to

recruited athletes, and these athletes are not given a leg up during the admissions process.

Instead, Caltech's two basketball coaches contact qualified students who otherwise would not have applied or "believed that they were not qualified based on the academic myths of Caltech," said Marbut. These recruited students, typically high school seniors, are brought to Caltech where they meet the team, attend classes, and stay with a team player host. "I like to call it relationship building," said Marbut.

According to Marbut, who has been coaching the women's team at Caltech for eight seasons, the previous men's basketball coach Roy Dow recruited more narrowly, and was "moderately successful, getting one or two key students every year." Senior and captain Ryan Elmquist was one of Dow's recruits.

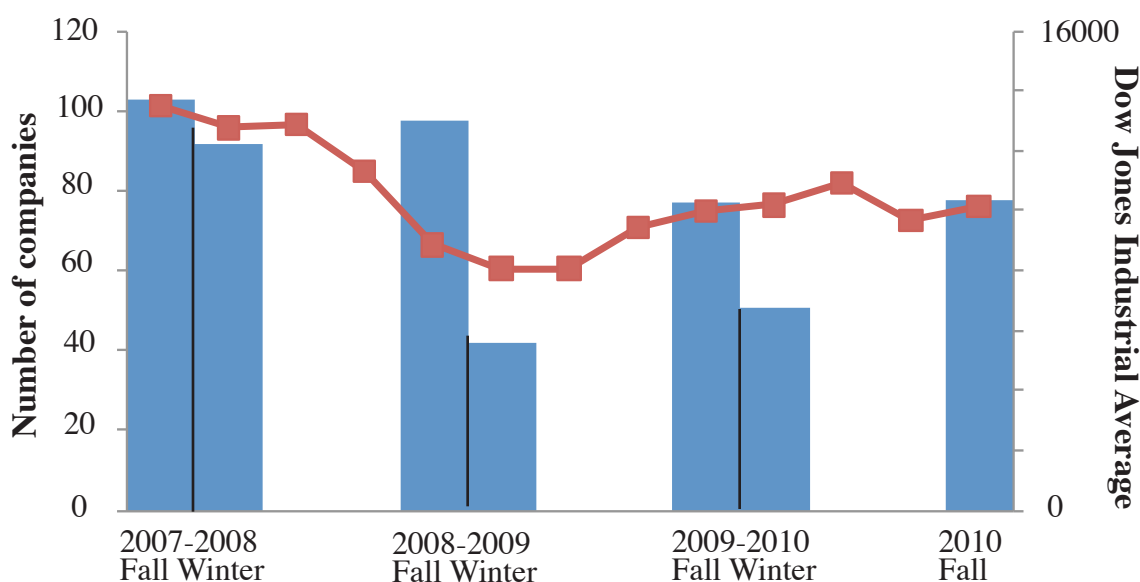
Eslinger's more aggressive recruitment has resulted in an influx of eleven freshmen basketball players in 2009 and five freshmen basketball players in 2010. Therefore, the current team of about 16-18 players is made of two seniors, one junior, and the rest sophomores and freshmen. "It's probably the youngest team in the country," said Eslinger.

Eslinger looks forward to working with the sophomores and freshmen recruits in the upcoming season.

"We have become much more competitive as we build our team," said Eslinger, "I want to give the seniors a chance to have success as they finish their last season."

The women's basketball began recruiting eight years ago when Marbut became the coach. Over the years, she has seen the team improve with these efforts, as they go from an average loss margin of over 70 points to an average loss margin of 17 points. "It's not our mission to win every single game," said Marbut. Rather, she explains, the team aims to be competitive so that the students can have a sense of pride for their underdog team.

The number of recruiters at Caltech's career fair reflects the national economy



Plotted above in bar format are the numbers of companies at the Fall and Winter Caltech Career Fairs from 2007 to 2011. The line graph depicts the Dow Jones Industrial Average trend in this period of time. The most recent career fair, in January 2010, had 51 companies recruiting Caltech students. This upcoming career fair on October 26 already has 78 companies signed up, and there are not enough spaces in the career fair to accommodate all of the interested companies.

Career fair data is obtained from the career fair archive on the Caltech Career Center website, based on lists of the companies that attended each career fair, and data from this year's career fair was provided by the Career Center Office. For full coverage, see PAGE 6.

Admissions initiates a fly-in visit program for underrepresented high school seniors

By Casey Jao
STAFF WRITER

To help diversify the undergraduate applicant pool, Caltech admissions is inaugurating its first annual "Caltech Up Close" program. Thirty carefully screened US high school seniors, all from underrepresented backgrounds, have been invited to visit and live at Caltech from the 14th to the 16th of October. Admissions hopes that these students will all leave Caltech wanting a spot in the class of 2015.

The fly-in program resembles Prefrosh Weekend but "is specifically designed not to be a replication of the pre-frosh programs in April," said admissions director Jarrid Whitney. They will visit classes, tour JPL, attend SURF

seminar day, and live with hosts in undergraduate houses. On Saturday they will meet members of the faculty and senior administration over dinner at the Atheneum.

While both Caltech Up Close and Prefrosh weekend try to get students excited about Caltech, they target different audiences. All thirty students come from "populations underrepresented in STEM fields as a whole, including women, first generation families, ethnic minorities, and people of low economic status," said Karly Brockett, associate director of admissions who is coordinating this program.

They are the winners of a competitive application process for the thirty spots. Earlier this year, admissions officers identified top rising high school seniors from

underrepresented backgrounds with scientific leanings and strong academic profiles, and invited them to submit credentials for the fly-in program. The winners were selected based on their high school transcript, test scores, and demonstrated interest in studying at Caltech.

"We wanted to be selective because we know the criterion is pretty high for our admissions," said Whitney.

Despite the process similarity, Whitney emphasized that invitation to Caltech Up Close is independent of admission to the class of 2015. The expectation, though, is that participants in the fly-in program will matriculate at a higher rate if admitted.

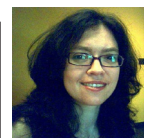
"The hard part is getting them to our campus," said Whitney.



Nobel Peace Prize controversy page 2

In This Issue

James Watson gives life advice page 3
Bruno Mars goes to jail for cocaine page 3
Soccer lost to La Verne page 7



Caltech's new professors 2010 pages 4-5

China's crackdown on Nobel Peace Prize recipient, unwarranted and unjustified

By Pradeep Ramesh
STAFF WRITER

On October 8, 2010, Liu Xiaobo, a prominent advocate for democracy in China, was awarded the 2010 Nobel Peace Prize in recognition of "his long and non-violent struggle for fundamental human rights in China." Recently condemned by the Chinese government to serve an eleven year sentence for drafting a petition, known as Charter 08, that demanded the right to free-speech, open elections, and the rule of law, Dr. Liu has become the iconic symbol of those pursuing political reform in China.

Indeed, last year's arrest was not his first encounter with the harsh Chinese judicial system; Dr. Liu was first imprisoned for 21 months for taking part in the 1989 pro-democracy protests at Tianemen Square. In 1996, he was sentenced to work in a labor camp for three years after demanding clemency for those still incar-

cerated for their participation in the Tianemen Square protests. In addition to creating Charter 08, Dr. Liu was charged with "inciting subversion of state power" after he published six articles online. Despite having garnered more than 10,000 signatures since its publication, Charter 08's existence remains unknown to most of China's citizens.

In awarding the prize to Dr. Liu, the Nobel Committee offered a glaring rebuke to China's authoritarian government, which threatened the Norwegian government with retaliatory measures, despite the fact that the committee operates independently of the government. In sentencing Dr. Liu, the Chinese government has violated explicit provisions in its own constitution that guarantee the right to free-speech and peaceful assembly; as such, the detention is legally and morally unwarranted. While the government's

economic policy has succeeded in lifting millions out of poverty, its increasing crackdown on dissenters reflects the government's discomfort and uncertainty with its newfound wealth and power. The Chinese economic miracle has bolstered the ranks of a middle-class which is increasingly agitating for greater political freedoms. It is time for the Chinese government to recognize the political aspirations of its people. Let us stand together and offer a united voice of protest against the government's cruel and unjustified actions.



Liu Xiaobo with his wife, Liu Xia in 2002

Photo from Avenue France-Press - Getty Images

BIG SHAGGY Virtue? A Fig

By Hank Charlotte

What is it about bad boys that makes good girls swoon? Is it the brooding scowl, the piercing gaze, the fierce individuality, the disregard for authority... maybe the hair?

Unfortunately, I don't know the answer to that question (if you have an answer, gals, I wouldn't mind knowing the secret). But it leads to a more fundamental and general question, one that literature deals with extensively: can immorality be virtuous?

Of course not, you might say. Immorality is the opposite of virtue by definition. Psalm 1 says that the wicked "are like chaff that the wind blows away." Isaiah 3:11 says "Woe unto the wicked! it shall be ill with him: for the reward of his hands shall be given him." Romans 6:23 says "the wages of sin is death." Punishment for iniquity is swift and sure. When King David coveted Uriah's wife Bathsheba, and took her for himself, their son died by the hand of God. The fruit of immorality is always rotten.

But our gut tells us that things are more complicated than that. Have you ever rooted for an immoral character? Someone like Michael Corleone, the powerful and generous Don from The Godfather who demands loyalty on pain of death, or Glee's Mr. Schuster, the handsome, upstanding teacher who has a weakness for women other than his wife, or maybe Dr. House, the brilliant doctor who happens to be a jerk and a drug addict. If you have, then you know that sometimes immorality can be strangely endearing. Qualities that should repulse an audience are instead attractive.

Take Satan from Paradise Lost, for example. He's Satan, can't get much more evil than that. But he's strangely charismatic. There's a nobility in his refusal to submit to the establishment,

"better to reign in hell than serve in Heaven!" He's an exemplary leader, braving the most dangerous and difficult tasks for the benefit of his followers. Though Satan is the embodiment of Pride (the worst sin), we admire him in part for this immorality because his leadership and defiance wouldn't be the same without it. This admiration partly explains our disposition to excuse Satan's iniquity and is one reason we tolerate immorality.

Another possibility is that we sympathize with immorality because we have committed the same ourselves or wish we could. A classic example is Antony, the greatest general of the Roman empire and the manliest man in ancient history, who throws it all away and neglects his wife and country for a woman—Cleopatra (admittedly, very pretty). It's almost impossible for readers not to admire and praise Antony's indiscretion, what Coleridge described as "the sense of criminality in [Antony's] passion." Antony demonstrates potency of action, freedom, infinite variety, and expansive love; and he transcends mortal moral limits in his heroic actions. So yes, we know that Antony's actions were probably immoral, but isn't there virtue in Antony's love for Cleopatra, even if he loved too much?

We may subscribe to certain moral systems intellectually, but literature gives us windows into what we truly believe, what we really feel to be right, and what we would actually do in real life situations. It's scary to think that we might not act according to our rational beliefs, but it is even worse to be unaware of our susceptibility to impulse.

Maybe that impulse is a good thing. It means that there's a bad boy in each of us. Let 'em loose, lads!

The California Tech

Caltech 40-58, Pasadena, CA 91125
advertising e-mail: business@caltech.edu
editorial e-mail: tech@caltech.edu

Editor-in-Chief
Tina Ding

Copy Editor
Sarah Marzen

Layout Editor
Hanna Liu

Business Manager
Gabriel Mendoza

Staff

Deboki Chakravarti
Sandhya Chandrasekaran
Yang Hu
Casey Jao
Rebecca Lawler
Monorina Mukhopadhyay
Joel Nikolaus
Pradeep Ramesh
Neha Samdaria
Jonathan Schor
Stanford Schor
Gloria Tran
James Wu
Vivian Yang
Wesley Yu
Chris Zheng

Circulation
Arjun Ravikumar

Advisor
Tom Mannion

The Tech is published weekly except during vacation and examination periods by the Associated Students of the California Institute of Technology, Inc. The opinions expressed herein are strictly those of the authors and advertisers.

Letters and submissions are welcome; e-mail submissions to tech@caltech.edu as plain-text attachments, including the author's name, by Friday of the week before publication. The Tech does accept anonymous contributions. The editors reserve the right to edit and abridge all submissions for any reason. All written work remains property of its author.

The advertising deadline is 5 PM Friday; all advertising should be submitted electronically or as camera-ready art, but The Tech can also do simple typesetting and arrangement. All advertising inquiries should be directed to the business manager at business@caltech.edu. For subscription information, please send mail to "Subscriptions."

Tired of CDS lunches
and dinners?

\$2.00 Burger, Fries, and Drink
EVERYDAY

for all Caltech students, staff, and faculty

Enjoy The Greatest Happy Hours in the Area.
All Well Drinks, Beer & wine, Monday to Friday
11am-7pm only \$1.99

Burger Continental

535 S. Lake Ave.
Pasadena

(626) 792-6634

Always 20% off for all Caltech students, staff, faculty

Write for the Tech.

We pay up to \$30 for news articles.

[email tech@caltech.edu](mailto:tech@caltech.edu)

One Republic and Maroon 5 woo at the Greek

Bruno Mars misses concert for jail

by Sarah Marzen and Wesley Yu

On Friday night, Bruno Mars (“Just the Way You Are”, “Billionaire”, “Nothin’ on You”) and One Republic (“Apologize”, “Stop and Stare”) were supposed to open for Maroon 5 (“This Love”, “She Will Be Loved”, “Wake Up Call”) at the Greek Theater in Hollywood.

Unfortunately, Bruno Mars was caught with 2.6 grams of cocaine after his September 19th Las Vegas concert, and he is now facing criminal charges. Needless to say, Mars missed his scheduled opener at the Greek Theater this past Friday. Instead, relatively unknown artist Rye Cuming—a Hollywood-handsome, smooth Australian tenor—opened the concert to a nearly empty theater. Apparently, the crowd had opted to crowd the bars downstairs instead of watching Cuming’s performance.

One Republic followed Cuming with some major hits including “Apologize,” “Stop and Stare,” and “Secrets,” all delivered with overwhelming zeal. By the time One Republic started, the stands were packed. Though some live performers fall short of their recorded soundtracks, One Republic frontman Ryan Tedder is a notable exception. Adding multiple original riffs to well-known hits, Tedder was the consummate showman, combining the spontaneity of the stage with solid technical singing. He also slipped in a comment on the Bruce Mars incident, saying “crowds are the new drug.” Other members of the band were equally good and cellist Brent Kutzle added depth to the more introspective pieces like

“Good Life” and “All the Right Moves.”

When Maroon 5 took the stage, the crowd went from excited to wild. Despite the crowd’s excitement, Maroon 5’s first two songs (“Misery” and “Give a Little More”) lacked energy. Perhaps the lackluster showing of “Misery” and “Give a Little More” on the Billboard singles chart had killed Maroon 5’s excitement for those songs. However, Maroon 5 loosened up when they sang the hits that had made them famous. Additionally, their cover of Alicia Key’s “If I Ain’t Got You” was surprisingly good, partly because that song sounds completely different when sung by a man. Unlike One Republic, Maroon 5 is less a five-member band than it is a one-man show. Watching captivating lead singer Adam Levine move across the stage was a treat.

A great place for food before a concert is Farfalla, a small Italian restaurant at the corner of

Hillhurst and Finley Ave. It isn’t too expensive, if you’re willing to spend \$20 per person for a small dinner, and the atmosphere is casual but nice. The pumpkin ravioli with walnuts is absolutely delicious, a perfect nutty fall dish in a creamy white sauce. The service is excellent; they were very accommodating and were really quick when we let them know that we had a concert to make. The only difficult thing is parking. There’s a small valet lot in the back, but you can also find free parking a few streets east.



Photo from www.songkick.com/concerts/

Adam Levine, Maroon 5’s frontman, performs at a concert. This picture was not taken at the Greek Theater.

Sweets in Old Pas

by Neha Samdaria



Photo by Neha Samdaria

Continued from last week...

“Le Pain Quotidien” literally means “The Daily Bread” in French, and this is the first thing you see upon entering the bakery. The rows of fresh bread on display, the classical background music, the wooden furniture and the extremely friendly staff give this restaurant a more casual and welcoming feel. Entering through the glass doors makes me feel like I am entering my Grandmother’s house, waiting to taste her favorite home-cooked recipe.

After scanning the menu, we settle upon an Almond-Apricot Madeline, a Lemon Tart and a pot of Red Fruit Tea. The Madeline, as my friend remarked, tastes like “a giant almond”. While there are apricot pieces to be found inside, their flavor is largely hidden by the overwhelming almond taste.

The lemon tart, on the other hand, has a very mild lemon taste. It is neither too bitter nor too sour, and has a slight custardy taste which complements the dense crust. We enjoy both desserts, even though one was really quite different to what we were expecting.

Before ordering the tea, I had asked the waitress what a “Red Fruit Tea” really was, and she had replied “A strong, passionfruit tea”. She couldn’t be more right - this was the strongest fruit tea I had ever tasted! For those who love the indulgent, sharp taste of passionfruit tea, this is perhaps for you. For a black tea enthusiast such as myself, it came as a bit of a shock.

Upon visiting Le Pain Quotidien again, I will stick more with the desserts and drinks that I am familiar and comfortable with, because trying new things at this bakery has not been an entirely pleasant experience. However, I can say for sure that I will be coming back here, because the experience of a bakery, or any restaurant for that matter, is much more than just the food. It is also about the friendliness of the staff, the overall ambience of the place and the feeling you get when you leave. And I felt great after having visited here.

Watson gives light-hearted advice in autobiography

by Vivian Yang

Even after just two weeks of Caltech life, freshmen who have been bombarded with acronyms and colloquy are sure to know what the term “admissions mistake” is. Many of us believe that we are “admissions mistakes”, the unlucky students who got a thick envelope in the mail in the spring of our senior year of high school only because the Caltech Admissions Office misspelled someone else’s name. We come to Caltech to surround ourselves with Nobel laureates and MacArthur fellows and bask in their intellectual prowess. Even though two weeks into term we have already been bogged down by problem sets, we still believe we are a special group because we weren’t a part of the 85% rejected.

But what about the other admissions mistakes? The people who should have got in instead of us, who has so much more potential, ambition, and intellect than ourselves. One of these mistakes was a young Chicagoan named James D. Watson, better known as Jim Watson.

Shame on you if you don’t

know who he is.

Jim Watson applied to Caltech as an undergraduate in search of a graduate position to “study the gene.” He intended to work with Professor Linus Pauling, who would ironically later compete with Watson in the race to find the double helix structure of the DNA. Although Caltech was his first choice, Watson’s grades at the University of Chicago presumably did not impress the Caltech graduate admissions, and so Watson went to Indiana University instead.

In his autobiography, *Avoid Boring People*, Watson not only provides tips for aspiring Nobel laureates, but he also discloses the real bureaucracy of research life. About writing this autobiography, Watson claims he wants to “be the first to employ them [his “unpublished writerly output”] extensively to prepare this look at [his] life before middle age became obvious.” Each chapter is titled with a phase of Watson’s life, including boring things like “undergraduate” and more inter-

esting things like “which house adviser” and “academic civility.” He describes his mental processes in excruciating detail and ends each chapter with a list of “remembered lessons” which critics claim are important for the development of young scientist, but I also believe they are crucial for the development of real people.

Some of them are literal and perhaps life-saving:

Chapter 1: Avoid fighting bigger boys or dogs.

Chapter 10: Buy, don’t rent, a suit of tails.

Chapter 15: Never dye your hair or use collagen.

Some are education and research oriented much like what a mentor might tell his mentee:

Chapter 4: Late summer experiments go against human nature.

Chapter 8: Encourage undergraduate research.

Chapter 13: Close competitors should publish simultaneously.

And a few are related to climbing the social ladder gracefully

and discreetly:

Chapter 1: Find a young hero to emulate.

Chapter 4: Use first names as soon as possible

Chapter 5: Avoid boring people.

Watson gives us a panoramic view into his life in science. He tells us that mad scientists who are always cooped up in their rooms don’t make any real progress, either due to lack of funds or lack of the right kinds of friends. Watson’s ambition, luck, intellect, and subsequent success as a Nobel Prize laureate obviously expose the mistake of the graduate school admissions office in rejecting this great figurehead in genetics.

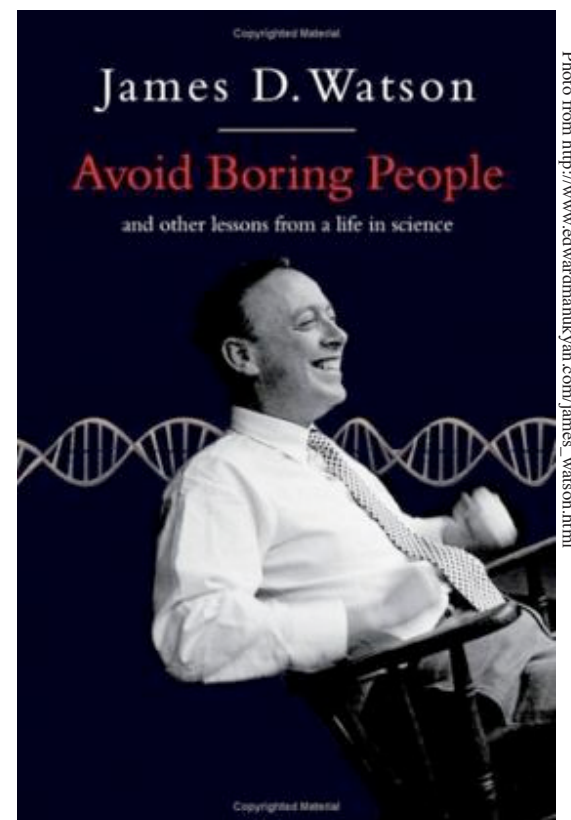


Photo from http://www.edwardmunk.com/james_watson.html

Spotlight on Tech

A look at new professors

Nicolas
Wey-
Gomez

BY JONATHAN AND STANFORD SCHOR

Jose Andrade

Marina
Agranov

Professor Wey-Gomez spent the bulk of his childhood in Bogota, Colombia. In fact, it was not until his senior year of high school, when his parents moved to Boston to complete their master's degrees, that he truly considered attending college in America. As Professor Wey-Gomez puts it, though, the "idea of...exploring a bit... was incredibly important," so he decided to stay in Massachusetts to attend Brandeis University.

Initially, Professor Wey-Gomez intended to go into Physics; however, during college he began to write creatively and was an avid reader. He decided to pursue a major in Latin American Studies, and then continued on to Johns Hopkins for a writing workshop and for graduate school, starting in 1986.

At Johns Hopkins, Professor Wey-Gomez focused his research on the accounts of European travelers to the New World, particularly those of Christopher Columbus.

Through these accounts, he learned the Columbus sought out a southern, tropical environment due to the prevailing scientific views of the time: that climate implied temperament, and that tropical peoples could not rule themselves. In fact, this became the topic of his most recent book, *The Tropics of Empire*, and continues to be a research vein that he pursues today.

Professor Wey-Gomez comes to Caltech from an illustrious teaching background, filled with high-powered schools such as Brown and MIT.

His choice to come to Caltech is due to his appreciation for tech students' "out-of-the-box" thinking, as well as its good group of scholars for the early modern period.

This year, Professor Wey-Gomez will be teaching courses in the history of exploration and the literature of that period, and will also be leading a class in how the early modern world shaped Miguel de Cervantes' *Don Quixote*.

In addition, he will be teaching a course entitled "From Angels to Monsters: Cosmology, Anthropology, and the Ends of the World," which will culminate in a study of James Cameron's *Avatar*.

Professor Wey-Gomez enjoys swimming and restaurant scouting, and has recently decided to take up hiking.



New this year in the Department of Engineering and Applied Science is Associate Professor of Civil and Mechanical Engineering Jose Andrade.

Andrade left a professorship at Northwestern in order to join the Caltech community, making the move for both professional and personal reasons. He recognized the potential to "join great colleagues and do things that are synergistic with the work that I do" at Caltech, but also admitted that winters in Northwestern were becoming too much of a hassle for him and his family. Andrade also had an offer from the Massachusetts Institute of Technology but realized that he couldn't "screw up professionally with either school." One of his three children was born in North California so it only seemed natural to return to the Golden State and leave winter behind.

Professor Andrade's work revolves around using computational mechanics to model the behavior of certain geologically interesting materials. In particular, he examines soil, rock, and concrete, all of which belong to the family of geologic materials and all of which are important to the civil, defense, and energy concerns of any country, according to Andrade. The specifics of this research range from understanding the physics of landslides to finding ideal methods for sequestering carbon dioxide underground, but the focus is always upon discovering the fundamental properties of each relevant material.

Though he now focuses intensely on his current field of work, his aspirations as a child were in a slightly different vein. Andrade was born in the capitol of Ecuador and grew up watching his father work as a civil engineer. He grew to love his father's

work and joining him on sites, so when he was ready for college, eighteen-year old Andrade left South America for the Florida Institute of Technology. There, he followed a straightforward path toward his goal of becoming a civil engineer like his father, until he took a class with an unimpressive structural analysis professor. His professors in soil mechanics and mechanics of materials caused him to rethink his strict focus on civil engineering. He decided that his interests were broader than he originally assumed, so went off to Stanford to pursue a Ph.D. Looking back on the decision to shift his career path, Andrade noted that "being focused isn't always bad... [you just have to] recognize opportunities for reinvention." This seems to be a mantra that Andrade bases much of his life on. He has already considered future attempts at working in politics, starting his own restaurant, and he hopes to found a foundation for children in Latin America to "directly help kids in a way that random events helped me get to where I am now."

Outside of the office, family life and his three children take up a large portion of his remaining time, but he still makes time for a number of hobbies. Among these is cooking and entertaining; "My wife is the house cook," he said, "and I am the house chef." Andrade noted that his passion for cooking is one of the few things that allows him to completely separate from his work as he "becomes an engineer of cooking and forgets everything else." Andrade is also a jogger and an avid racquetball player.

Professor Andrade is excited to be brought into the Caltech culture and will be teaching Statics and Dynamics (ME 035) this year.



Marina Agranov is joining the Department of Humanities and Social Sciences as an Assistant Professor of Economics. She only recently moved to the United States in order to complete a PhD in economics at New York University (NYU), after which she was offered a position at Caltech.

Agranov was born in Russia and attended St. Petersburg State Technical University where she learned "math and Marxism" but not the sort of economic theory that she had hoped to learn.

After receiving her Bachelor's degree in 1999, she emigrated to Israel and began pursuing a Master's from Tel Aviv University.

There, she found classes that would enable her to understand current economics and a warm and collaborative environment. Her desire to replicate this environment led her to attend NYU and was a driving factor in her decision to come to Caltech.

Agranov does much of her work at the interface between economics and political science, and she noted that her department itself is unique in that "there's a lot of interdisciplinary work."

Last year she wrote a paper (not yet published) that analyzed the effect that a two-stage election (a primary followed by a general election) has on the success of a candidate. She came up with a theoretical model of two-stage elections to test the idea that primaries hurt a party's chances during the general election.

Here Agranov says she will be able to further test any other models by using the experimental lab on campus, which provides monetary incentives for students to act like candidates or voters in a simulation.

While she does spend a large portion of her time working at Caltech, Agranov enjoys playing piano and guitar and listening to jazz with her friends.

She is due to give birth to her first child at the end of January. Until then, her biggest challenge might just be learning how to drive, a skill that was never necessary in her former residencies.

Professor Agranov will be teaching PS132, a course on formal theories in political science, and SS210, a political economics class.

Benjamin Gillen



It was during an art project in elementary school that Professor Gillen first developed an interest in Economics: he found the newspaper that he was working on top of more interesting than the project itself. Growing up in rural Wisconsin with his grandparents as his closest neighbors, he might not have had much of an opportunity to study the global market; however, his father encouraged his interest, even getting him a computer so that the young Professor Gillen could model his first regression of corn prices.

After high school, Professor Gillen headed to Connecticut to attend Yale University. While there, though he studied economics intensively, he also cultivated an interest in theatre. Although Professor Gillen was not the best actor or set designer, he had a keen eye for management. As such, he worked as the producer for three different plays.

Finally, Professor Gillen headed to the West Coast to attend graduate school at the University of California at San Diego. He received his PhD in 2010, and in the same year was recruited by Caltech as an Assistant Professor of Economics. As Professor Gillen puts it, his choice to come to Caltech was mainly due to its “unparalleled” emphasis on creativity. As an economist whose research spans many fields, Professor Gillen was also drawn by the freedom to pursue his varied interests.

While Professor Gillen’s research involves a number of specialized fields in economics, his main interests are econometrics, financial economics, and industrial organization. He will be teaching an investments course during the 2nd quarter, as well as a graduate course on econometrics.

Though time is scarce, Professor Gillen tries to surf every weekend. He also enjoys going to concerts in LA and is considering picking up rock climbing again.

Ryan Patterson



Ryan Patterson is a new Assistant Professor of Physics in the Department of Physics, Mathematics, and Astronomy. Though he may be a newcomer to professorship, Patterson is no newcomer to Caltech. He attended Caltech as an undergraduate and, following a PhD at Princeton University, returned to Caltech for his post doc.

Patterson’s interest in Caltech began when he was a high school student in Mississippi. “I remember looking through the brochure,” he reminisced. “I remember getting the sense that it was a bunch of people who liked thinking and learning.” He wasn’t disappointed when he arrived, and he embraced the camaraderie he found here. His decision to return was based on the abundance of collaboration in research and the potential to work with high caliber students and faculty in his field. Patterson knew that Caltech was filled with people off of whom he could bounce ideas, and he also knew that Caltech’s administrators would be more than happy to allow him to indulge his passion for teaching.

A self-described “reductionist at heart,” Patterson works in the field of particle physics out of an interest to see how things work at their very core. His field

requires a large amount of collaboration and “big machines”, so he sought out a group with smaller-scale projects with less potential for disruptive bureaucracy. That being said, his current project involving the study of neutrinos has around 140 people working on various facets of it. In his small amount of free time, Patterson occupies himself with non-fiction books; various sports including ultimate Frisbee, tennis, and basketball; board games that involve strategy; and playing the guitar. While he was an undergraduate at Caltech Patterson actually secured three musical gigs with a group of friends, but these days his schedule does not allow time for performances.

Patterson noted he can’t imagine having any job that doesn’t provide him with an intellectual challenge like his current one does. Whether he is teaching or working in the lab the “problem you’re solving that day is always different” and that dynamic structure is what keeps him going. Professor Patterson will be co-teaching Physics 2b later this year.

Christopher Hunter

Picture Unavailable

At the age of 16, Professor Hunter had already begun to prepare himself for a career in physics. However, after some thought following a summer program at MIT he decided instead that he would prefer to study English. As such, the LA native made the cross-country trip to Boston to attend Harvard. Four years later, in 2002, he continued on to the University of Pennsylvania to receive his PhD.

Nonetheless, Professor Hunter still held a spot in his heart for tech schools and their students’ analytical thinking. During his summers at Harvard, and even after he went on to graduate school, he continued to teach English to MIT students.

After 12 years on the East Coast, though, Professor Hunter was ready to return to Los Angeles. Knowing its reputation for stellar academics and its wide degree of research freedom, he decided to come to Caltech.

Though he follows many of the same methods as scientific researchers, Professor Hunter’s research is certainly not something that most Techers are used to. His thesis dealt with the history of the book in America, particularly early biographies such as those about Benjamin Franklin. Currently, Professor Hunter is focusing on the history of autograph collecting in the early 19th century.

During the second and third terms, Professor Hunter will be teaching a freshman humanities course on the Renaissance, as well as a course on freedom of expression during the 20th century. Although this leaves little time for leisure, Professor Hunter prefers to relax with a little cooking, and also enjoys fly-fishing and hiking.

Long Kai is the assistant professor of Chemistry, and another new hire this school year. He was unable to be reached for this feature.

Write for the Tech.

We pay up to \$30 for news articles.

email tech@caltech.edu

Announcements

SURF seminar day

Caltech Summer Undergraduate Research Fellowship (SURF) students present their research all day at SURF Seminar Day this Saturday, October 16 from 9:00 am - 5:00 pm. All members of the Caltech community are invited to watch presentations for free. Those that wish to attend the Seminar Day but are not presenting can register at San Pasqual Mall the day of, or through a link sent via a Caltech Directory email earlier this week. The full schedule and presenter abstracts are available through www.surf.caltech.edu/seminarday

Nominate favorite professor for Feynman teaching prize

Here's your chance to nominate your favorite professor for the 2010-11 Richard P. Feynman Prize for Excellence in Teaching! You have from now

until January 3, 2011 to submit your nomination package to the Provost's Office to honor a professor who demonstrates, in the broadest sense, unusual ability, creativity, and innovation in undergraduate and graduate classroom or laboratory teaching.

The Feynman Prize is made possible through the generosity of Ione and Robert E. Paradise, with additional contributions from an anonymous local couple. Nominations for the Feynman Teaching Prize are welcome from faculty, students, postdoctoral scholars, staff, and alumni.

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

California, 91125. Nomination packages are due by January 3, 2011.

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

Caltech Y's Explore LA: Galazy Soccer

The Caltech Y is organizing a trip to the LA Galaxy game on October 16, 2010 vs. the Colorado Rapids. The game is scheduled to start at 7:30pm at the Home Depot Center. The tickets are in the south endline and are \$20 each. This event is part of the Caltech Y's Explore LA series. The next event will be a Halloween Shopping trip to Melrose Avenue on Oct 23.

Lottery signups end on Monday, October 11 5:00 pm: <https://spreadsheets.google.com/viewform?formkey=dGFXT1hzV005V3E1T2xjUnZvUFV0Tmc6MQ>

<https://spreadsheets.google.com/viewform?formkey=dGFXT1hzV005V3E1T2xjUnZvUFV0Tmc6MQ>

Last day to add courses

Friday, October 15th is the last day to add courses and remove conditions and incompletes. Turn in your yellow ad slips by 5pm to registrar!

Fleming Frosh Party

Fleming frosh throws Cave Party in the Fleming courtyard this Saturday October 16th 10pm-2am. Dress neanderthal/caveman style, like the flintstones.

Number of companies at Caltech's Fall Career Fair increase

By Rick Paul
STAFF WRITER

Roughly eighty companies have registered for Caltech's 2010 Fall Career Fair on October 26. This represents a drastic increase over the fifty-six companies that attended last year's 2010 Winter Career Fair, as fears of a double dip economic recession have lessened.

"We did some outreach earlier this fall to encourage employers that haven't previously recruited at Caltech to attend the career fair

and we've invited some companies who have recruited here in previous years to come back," said Mandy Casani, the assistant director of the Caltech Career Development Center and head organizer of the career fair. Casani has also drawn from her previous campus contacts at USC, where she served as assistant director of the Ph.D. program at Marshall Business School before coming to Caltech.

"The response from recruiters has been outstanding." According to Casani, ten companies registered after the October 1st

deadline.

Five companies have been put on the waitlist due to space limitations, due to a change in location from Bechtel Mall to Brown Gym. The move was made to avoid the fickle October weather, which was responsible for raining out last year's event.

Students can post their resume for companies at the Career Fair through NACELink, the campus-wide online recruiting system.

News Briefs

Library purchases classical music CDs

Caltech Library Services enhanced its collection of music this summer with the purchase of several hundred CDs. Mahler, Wagner, Schubert, Puccini, Verdi, Brahms, Mozart, and Beethoven are just a few of the composers represented. Purchasing boxed sets and then breaking them up enabled the library to expand its holdings without straining its budget. Noel Swerdlow, Visiting Associate in Humanities, kindly assisted the library in making its selections. "We found some fabulous CDs at fabulous prices, all on Amazon. I think library patrons will be absolutely delighted." Tom Neenan, Lecturer in Music, is pleased for his students: "Caltech students will find some real gems. I will be telling all my classes about these additions." The collection is housed in the basement of Dabney library. To view holdings in the library cata-

log, go to Advanced Search. Enter the name of the composer in the "any field" box and select "RCDGS, MUSICAL" in the material type field.

Professor Vreeland passes away

Thad Vreeland Jr., emeritus professor of materials science at the California Institute of Technology (Caltech), passed away August 9 in San Gabriel, California. He was 85 years old. Vreeland—a member of Caltech's materials science program from its earliest days—was best known for his studies of the mechanical properties of materials, with an emphasis on how severely stressed materials deform plastically and permanently.

Vreeland was born in 1924 and was a lifelong member of the Caltech community, receiving his BS in 1949, his MS in 1950, and his PhD in 1952.



Earn your degree in education in 12-18 months.

With more than 36 credential and master's degree opportunities, we're confident we have a program for you.

APU offers:

- Convenient classes at 8 Southern California locations and online.
- Programs in teaching, counseling, physical education, and administration.
- NCATE-accredited programs recognized by all 50 states and internationally.
- Resources that make transferring to APU a seamless process.

Classes start five times throughout the year. Contact us today!

Call (800) 825-5278
Click www.apu.edu/explore/education
Email graduatecenter@apu.edu



AZUSA | HIGH DESERT | INLAND EMPIRE | LOS ANGELES | MURRIETA
ORANGE COUNTY | SAN DIEGO | VENTURA COUNTY | ONLINE

Mendoza's hat trick lifts LaVerne over Caltech



Photo by Radka Dancikova

Vishnu Manoranjan goes in for a corner in Caltech's loss to LaVerne.

By Rick Paul
SPORTS EDITOR

Nahavi Mentoza scored three goals to lead La Verne to a 5-0 victory over Caltech in SCIAC action.

With the win, La Verne improves to 3-5-1 overall and 3-3 in SCIAC play while Caltech moves to 1-6 and 1-5, respectively.

Taylor Hart scored the first goal for La Verne. Mendoza added two and three less than a minute apart. Mario Cisneros kicked in the fourth goal for La Verne in the 77th minute. Mendoza finished off his hat trick with less than four minutes remaining in the match.

La Verne had a 12-3 edge in shots on goal and a 2-1 advantage in corners.

Whittier defeats Caltech 3-0

By Rick Paul
SPORTS EDITOR

Whittier, Calif. - Whittier defeated Caltech 3-0 in women's volleyball action. They tallied 49 total digs and 7.5 team blocks.

The win raised Whittier to a 2-13 record overall and 1-5 in the conference, and the loss dropped Caltech to 1-10 and 0-6, respectively.

For Whittier, Alyssa Acosta recorded 15 digs, Lindsey Kish added 10 digs, Courtney Dickerson had two block solos and three block assists in addition to seven kills.

Paige Logan and Teri Juarez each had five kills and Ying Ying Tran recorded 10 digs for the Beavers.



Upcoming Schedule

October 12, 2010

Women's Volleyball
vs. La Verne
7:30 PM postponed from 9/28/10

October 13, 2010

Men's Soccer
vs. Cal Lutheran
4:00 PM

October 16, 2010

Cross Country
at SCIAC Multi Duals at La Mirada Park
8:30 am

Men's Water Polo
at Cal Lutheran
11:00 AM

Men's Water Polo
vs. Mercyhurst @ Cal Lutheran
3:00 PM

Men's Soccer
vs. Redlands
4:00 PM

Women's Volleyball
at La Sierra
7:30 PM

October 17, 2010

Men's Water Polo
vs. Chapman
4:00 PM

October 18, 2010

Men's Soccer
at Claremont-M-S
4:00 PM

October 19, 2010

Women's Volleyball
at Claremont-M-S
7:30 PM

Weekly Scoreboard

October 11, 2010

Men's Soccer
vs. Soka
L, 3-0 Final

October 9, 2010

Men's Water Polo
vs. Wash. & Jeff. @ Convergence Tournament
L, 22-17 Final

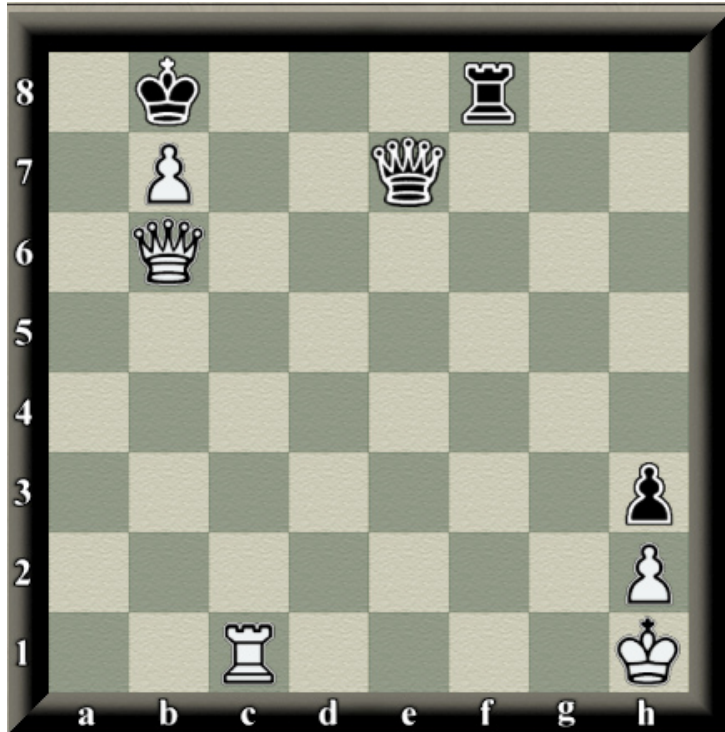
Men's Water Polo
vs. Harvard @ Claremont, Calif.
L, 21-2 Final Claremont Convergence

Men's Soccer
at Occidental
L, 2-1 Final

October 8, 2010

Women's Volleyball
vs. Cal Lutheran
L, 3-0 Final

Chess Club Problem of the Week



White to play and win. Composed by Emmanuel Lasker, who was world champion from 1894 to 1921.

Last week's solution: 1. Nh5 Rxf5 2. Rxf6 Kxf6 3. Re6#

The Caltech Chess Club meets Fridays 8-11 PM in Page House Dining Hall and is open to all members of the Caltech Community



by Alexandra Souverneva

APPLES AND ORANGES

BY REBECCA LAWLER



The California Tech
 Caltech 40-58
 Pasadena, CA 91125