Forbes magazine recognizes three Caltech leaders

MARCUS WOO
Science Writer

Two alumni and one graduate student from Caltech have been named to Forbes magazine’s 30 Under 30, a list of notable leaders who have yet to reach their 30th birthdays. The list, which was released in December, honors people from 12 fields that range from finance and science to music and entertainment.

Graduate student Chris Rogan made the list in the science category. Rogan has lived in Geneva, Switzerland, for almost six years working on the Large Hadron Collider (LHC), the most powerful particle accelerator in the world and perhaps the most complex science experiment ever conducted. The LHC slams protons together to produce particles that then decay into a flurry of other particles in a fleeting moment. Rogan is part of Caltech’s team involved in the Compact Muon Solenoid (CMS), one of the main detectors of the LHC experiment ever conducted. The CMS experiment is like an incredibly complex camera designed to look at the world in a way that no one has been able to do before, “The CMS experiment is the confidence to tackle any given problem. The problems are completely open ended, the data sets are intractably large, and the stakes are large. Financial markets share much with academia there’s always something new to research, and theories are constantly in motion. I never get bored and I never run out of work,” says Rosenberg.

An endeavor as ambitious as the LHC would be impossible without students like Rogan, says Maria Spiropulu, professor of physics at Caltech and Rogan’s advisor. “His work changes the way we search for new physics at the LHC, and he continues to push the boundaries, and as he learns, he also teaches his colleagues,” she says. “He is incredibly driven and does not cease to impress me.”

Clockwise from the right: Caltech graduate school alumnus Jessie Rosenberg; Caltech undergraduate alumnus Kelly Littlepage; Current graduate student Chris Rogan. All were selected as one of Forbes magazine’s 30 Under 30 in recognition of their numerous achievements. © today.caltech.edu

Rogan credits Caltech for helping him get to where he is now, “The coolest part of my work is that our experiment is truly able to look at the world in a way that no one has been able to do before,” Rogan says. “The CMS experiment is like an incredibly complex camera that takes pictures in both space and time of what happens in high-energy collisions—a camera that represents the work of thousands of physicists and engineers. It’s been a very fortunate and exciting time to be a graduate student working on the LHC.”

An endeavor as ambitious as the LHC would be impossible without students like Rogan, says Maria Spiropulu, professor of physics at Caltech and Rogan’s advisor. “His work changes the way we search for new physics at the LHC, and he continues to push the boundaries, and as he learns, he also teaches his colleagues,” she says. “He is incredibly driven and does not cease to impress me.”

Rogan learned how to read at age three and a half. “I learned about the Pythagorean theorem at age eight, and took physics at the University of Virginia in the eighth grade. She skipped high school and went to Bryn Mawr College before studying applied physics at Caltech, where she worked with Oskar Painter, professor of applied science, on devices called optical resonators, which are used to trap and manipulate light. She’s now a researcher at IBM TJ Watson Research Center, developing faster ways for computers to communicate with one another. The limit of today’s supercomputers isn’t computation power, she explains, but in sending and receiving data. Computers are now connected with thick, electrical wires, which lose power as electrical signals travel through the cable. But if optical fibers replaced electrical wires—if instead of delivering data with electrons you use photons—then data can be transferred with negligible data and power loss. Using silicon photonics, as the technology is called, tomorrow’s computer networks can be vastly improved in speed, efficiency, and cost, she says.

Rosenberg credits Caltech for making her a better researcher. “I think everything I did there helped me get to where I am now,” she says. “My time there helped me to not be scared of pulling out the schematics for a complicated piece of cleanroom equipment and crawling under there with a screwdriver. I learned that even if something doesn’t work the first fifteen times, maybe it’ll work the sixteenth.”

Making the list in the finance category is Kelly Littlepage (BS ’09), who majored in applied math and business and minored in control and dynamical systems. While a senior, he started working at Crabel Capital Management, where he’s now the director of microstructure, working on financial strategies and algorithms for trading. By the time he arrived at Caltech’s campus, he knew he wanted to get into finance. “I love the high-energy environment and the application of math and scientific computing to an increasingly technical field,” he says.

The problems are completely open ended, the data sets are intractably large, and the stakes are large. Financial markets share much with academia there’s always something new to research, and theories are constantly in motion. I never get bored and I never run out of work,” says Rosenberg.

“Caltech instilled in me the mindset to glue myself to a chair with a pad of paper and Google on my screen until I solved the problem,” he says. “The daily exposure to some of today’s best minds was awesome. It was through my friends and the housing system that I learned how to work hard, solve problems collectively, and get the job done.”

“You can tell a Caltech student by the look on their face when they say something. They told me that even though they were the best minds in the world, they were still a bit afraid of being wrong,” he adds. “I could make a more meaningful contribution to science through business. Building synergy between the two is a big goal of mine.”

One of the most valuable qualities he learned from Caltech is the confidence to tackle any problem. “Caltech instilled in me the mindset to glue myself to a chair with a pad of paper and Google on my screen until I solved the problem,” he says. “The daily exposure to some of today’s best minds was awesome. It was through my friends and the housing system that I learned how to work hard, solve problems collectively, and get the job done.”

US economic growth 2.8% (annualized) rise in GDP in the fourth quarter of 2011
New NASA discoveries 11 solar systems found by Kepler telescope – total of 26 planets
UN inspectors visit Iran 3 day tour of uranium enrichment facilities amid political tensions
Occupy Oakland protests 400 demonstrators arrested – extensive vandalism of City Hall
Incoming solar particles 5 times faster than usual – storm may affect air travel on Tuesday
Cadmium spill in China 3.7 million people warned not to drink polluted river water
More violence in Syria 64 people killed – Arab League suspends mission to protect civilians
Food with Mannion!

Do you like eating food? How about free food at nice restaurants? Ever want to tell the world exactly what you think of said food?

The Tech will be beginning a new column to chronicle the foodie experiences of new writers every other week...The Catch: They’ll be going head-to-head with Tom Mannion who will be reviewing the same restaurant. If you have ever thought you were more of a gourmand than our resident master chef, now’s your chance to prove it!

Email us for a spot on the list at tech@caltech.edu

Free musical performances in Beckman February 4th

On Saturday, February 4, at 8 PM, there will be a free concert where over a thousand people will fill Beckman Auditorium. The concert is sponsored by Student Affairs at Caltech. At the concert, there will be performers that have been showcased all over the world. The vocalist is one of the best known performers in the latin jazz community. There will be two excellent jazz bands, and one of Los Angeles’ finest mariachi ensembles will perform for you as you wait in line to get into the auditorium. Finally, the Caltech Salsa Dance Club will also perform, as well as two professional salsa dancers hired especially for the occasion.

Why free? It’s a gift to the Caltech and Pasadena community from the Caltech Jazz Bands, who are also going to be featured in this annual performance of latin jazz music.

The two headliners are Candi Sosa and Paul Lopez. Paul Lopez has been around for more than eighty years, and during that time, has established himself as one of the finest composers and arrangers of latin jazz. Candi is, no argument allowed here, one of the great singers of any generation, of any style. She is the Billie Holiday of latin jazz.

Yeah, you’re thinking. Why would I want to go all the way to Beckman Auditorium to hear a free concert. Because you care about being in a place where your fellow students are going to perform, because you care about other things in your life besides studying all the time, because you want the world to be a better place. And by supporting and attending this concert, you can do all of the above. And, it’s free.

Update on US, Canada floorball matches

The qualifying matches between the US and Canadian men’s floorball teams will now take place at 8pm on February 2nd in Brown Gym, instead of Braun Gym, and in Huntington Beach at 8pm on February 3rd at The Rinks. Concerns over damage to Braun Gym as well as the limited length of the court have prompted the moves. More details may be found by emailing bandy@caltech.edu or floorball.caltech.edu. We apologize for the change-up. The address of The Rinks is: 5555 McFadden Avenue, Huntington Beach, CA 92649.
Hazing should be stopped, but through the honor code

ISAAC SHEFF
Contributing Writer

Dear Professor Hoffman and the rest of the Hazing Policy Committee,

The following pertains to one of the hazing meetings that I attended.

I use the term “no fan of hazing.”

In high school, I adopted a strict personal policy of never utilizing class, age, or rank, or any of the other tired old labels to categorize others. Some of Ricketts’ initiates: “Said the member of the Caltech community shall take unfair advantage of any other member of the Caltech community.” On Tuesday, I asked Deans Nye and Hunt whether their hazing policy was encompassed within, or meant to be covered by, the honor code. Their reply was that this policy was within the honor policy, but it was not explicit in articulating guidelines.

When I asked you, professor Hoffman, whether your policy was to stop hazing, you replied that “I don’t think it’s actually a proper subset” I must admit that this deeply troubles me. To begin with, I’m certain that anything I consider hazing involves ammemor of the Caltech community taking unfair advantage of another member of the Caltech community. Furthermore, the CRC’s charge is to enforce the honor code, and if this policy covers material outside the honor code, then the CRC can’t enforce it. I hope you understand my fear at the creation of a new policy that can only be judged by the deans, given deans judgments in recent months.

You had asked me to elaborate upon my complaint that the policy is too vague. When you write a policy, and declare that it is to be enforced by a judicial body such as the CRC, they are bound to enforce that policy. Under the hazing policy as you have written it:

The creation of any situation, consensual or not, that may reasonably place another person in danger of physical or psychological mental hazing.” For example, as I brought up at the meeting, a study I conducted last spring showed that a room in an activity is an exercise in which participation is implied to be necessary, for which the CRC can give the illusion of a dishonor, and which encourages the ingestion of substances, namely food. The CRC would be bound by another activity, or any other group that actually owns the honor code, to enforce the letter of your policy, would be bound to find that house guilty. The house’s only defense, as you repeated over and over at the meeting, would be to have sought approval beforehand from RAs, the MSSH, or Deans.

The Ts of the 1970s detail a number of continuing traditions, including Fleming Frosch Wash (other houses may have historically held events with similar names). Fleming’s is distinct. The 1979 T mentions on page 129 that “The frosch was as good as the frosh. There Frosch Wash was held most of the year, and it always you are that you are trying to write a catch-all policy in order to cover your legal vulnerabilities, but in doing so, you may have opened the door to a whole new set of legal problems.

If this had not incidents I would consider hazing in its past. As you had mentioned the 1970s as a time before any hazing traditions, I have been going through the yearbooks from 1970-1979. I found a number of disturbing incidents.

On page 40 of the 1970 T, Fleming House boasts: “By popular demand, the practice of initiation had been resumed, and pledge master I. D. (or ‘Indecent’ and ‘Man Mountain’) Marko were ready to introduce some twenty students to life as members of Panhellenic. The freshmen were subject to all kinds of mean, horrible, or otherwise ugly things.”

Page 58 of the 1970 T describes some of Ricketts’ initiations: “Said the Pebble.”

As far back as the tradition early at the annual Oxy Sing, as they faithfully shouted the Crud Alley Song amid barrages of mud, muck, and worse, “An accompanying ballroom buffet was resumed, and pledge master Fleming House boasts: “By popular demand, and I would like, in my other opinion, a hazing policy that defines hazing, has my own that creates a system in which all social activities must be approved by administrators beforehand, since most every social activity might be construed by someone who was sufficiently annoyed to have been hazing, and you’ve tied the hands of the enforcement body (CRC) which would normally have the power to enforce this, by saying that the act was not the activity in fact violated the honor code. Furthermore, the individuals to whom we must appeal are sometimes too close to the students. Furthermore, despite the deans and AOs, we have our happiness at heart. For example, as 1970 T provides.

I am a big fan of the honor code. I feel that hazing is a subset of honor code violations. I would like, in my own humble opinion, a hazing policy that defines hazing, has my own that creates a system in which all social activities must be approved by administrators beforehand, since most every social activity might be construed by someone who was sufficiently annoyed to have been hazing, and you’ve tied the hands of the enforcement body (CRC) which would normally have the power to enforce this, by saying that the act was not the activity in fact violated the honor code. Furthermore, the individuals to whom we must appeal are sometimes too close to the students. Furthermore, despite the deans and AOs, we have our happiness at heart. For example, as 1970 T provides.

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Caltech Couture: Flip flops aren’t functional footwear

ALEX LANGERFIELD
Staff Writer

Living in Southern California has allowed me to hear the sound of flip flops all year round. It seems as though almost everyone here has at least one pair of flip flops and there are some who practically live in them. They are no longer solely shower slippers or the beach shoes. They are sole source of footwear for some.

In some ways, this is pretty understandable: there are plenty of pros to flip flops. For example, they are very easy to wear and take care of, in warm weather they keep one’s feet from sweating, and certainly smelly feet aren’t an issue when one wears flip flops all the time. And yet, sometimes I wonder. How far will these shoes (if you can even classify them as “shoes”) go?

Flip flops have their roots in Japan (they were present in other countries, but the most traditional version that we see today came from Japan). Their popularity spread as war veterans began to return home with these strange shoes from overseas, and it was officially made the sandal a shoes from Japan (they were present in other countries). Their popularity spread as war veterans began to return home with these strange shoes from overseas, and it was officially made the sandal a shoes from overseas, and it was

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LIZ DECOLVENARE
Contributing Writer

Dean Green's office sits nestled away in the southeast corner of the Center for Student Services, decorated with tasteful knick-knacks of all sorts and a multicultural influence. They're mostly small gifts, given by former students in appreciation of her work. The woman inside seems ordinary enough, armed only with a welcoming smile.

But her typical workday is atypical by almost any other college standard. Students coming in to ask for permission to buy liquid nitrogen, build a zip line across campuses, or to add just one more class to their 63-unit workload don't phase her. After all, she's been dean for longer than most of the students she advises have been alive. Dean Green is a woman with a near endless supply of equanimity. And Caltech's quirks? Just another part of the charm of the institution she loves to work at.

Barbara Green Volckmann has been working as Associate Dean of Students at Caltech for 22 years. Dean Green, as the majority of students address her, has weathered four changes of the Undergraduate Dean and countless administrative edits to her position. But what exactly is an Associate Dean?

“Dean’s a good question,” was Dean Green's first reply, echoing many administrators at Caltech with traditional-sounding, yet ill-defined jobs. But 22 years has given her a lot of time to find her niche. She works closely with the Undergraduate Dean, contributing to the overall progress.

Personally, Green says she is incredibly satisfied that her final move was to Caltech. She’s pleased both with the individual students she’s helped and the programs she’s helped to found.

But there are more public jobs in Green's life, too. The Associate Dean is also the Co-Chair of the Conduct Review Committee (CRC), a job Green has been more than happy to be involved with. Additionally, the Associate Dean is usually involved in handling the decisions handed up by the Board of Control (BoC) regarding academic honor code violations. Kim Furuya, Daubert House’s BoC rep from 2009-10, commented that Dean Green is “super reasonable and fair.” Dean Green has seen hundreds of BoC cases since the beginning of her term, and while she cannot comment on the specifics, she continues to believe that the system “works.”

The system, though, is somewhat unusual among universities. While claims of self-governance within student bodies are popular among elite institutions, Caltech, through the house system and the various honor-code related committees, achieves that ideal. But the system can be difficult for students to navigate, containing two different student leadership committees (Interhouse Committee and The Associated Students of the California Institute of Technology) in addition to the BoC and CRC.

Green knows this better than almost anyone, but wasn’t so keenly aware of the challenges she would face when she first began working here on September 1, 1989. She’d been a dean before, at Whittier College for 11 years. But a new President of the college instituted a change requiring that the Dean of Students be a faculty member, leaving Green, a career administrator and counselor, out of the job.

In her search for a new job, she reached out to her contacts, which included Jim Morgan, then the Vice President of Student affairs at Caltech. Luckily, the previous Associate Dean had recently been promoted, leaving a vacancy that Caltech was desperate to fill. Though she took the job originally on a temporary basis, after a nationwide search for a permanent employee, the institution decided to keep their current set of Deans. “It was good luck,” Green remarked, while thinking back on the events.

Even more unexpected, though, are the student-related changes she’s faced.

When Green first arrived at Caltech in 1989, it was the first year when women were an equal part of the student body. Preceding this, there were 15% or fewer women. Previously, the status quo for females had been 15% or fewer. Before the Women's Center opened in the Center for Student Services, Green was often the only resource for female students having gender-specific problems. She remembers the first few years clearly. "When there were very few women, it was uncomfortable for a lot of them... [The ratio] made the social interaction awkward. Women were really pursued, and I remember telling them it was hard to find very many female friends. They were just too spread out." Now the undergraduate population is roughly 45% female, a major change that she finds very happy to see.

While it wasn't all smooth sailing, Green believes there were many people more problems just that people were more... willing to seek help." Green says, while pondering the bigger changes during her tenure at the institution.

"Parents are much more involved now. Sometimes parents just call to consult... a parent might call saying they're really worried, asking about the resources on campus available to help their child."

She believes strongly in the power of the counseling center, an oft-spurned resource. Green says a visit to the center could benefit many students.

She believes the awareness of mental health issues, both on an individual level as well as with regards to the undergraduate population generally, has increased.

"I can't judge whether it means more people have more problems or just that people are more... willing to seek help?" Green says, after all, she's always willing to help those who come to her instead.

Her choice to become a career Dean was somewhat intentional. Green's particular road starts with an undergraduate degree in Government from Connecticut College, and a common lack of direction. Her first instinct was to become a high school guidance counselor, and to that end she acquired a Masters in Counseling at Columbia University. After a few years working there, she then started as an intern counselor at a local high school, but found “that while I liked the students, I didn’t like the bureaucracy or structure of a high school.” Instead, she moved to a very small college in northern Wisconsin, working in the admissions office. Almost immediately she started a separate project to set up a career planning in the lives of these children, something the school lacked.

For over a decade, Green has been an advisor to students in the College, and a common lack of direction. Her first instinct was to become a high school guidance counselor, and to that end she acquired a Masters in Counseling at Columbia University. After a few years working there, she then started as an intern counselor at a local high school, but found “that while I liked the students, I didn’t like the bureaucracy or structure of a high school.” Instead, she moved to a very small college in northern Wisconsin, working in the admissions office. Almost immediately she started a separate project to set up a career planning in the lives of these children, something the school lacked.

And so much of that was about always having such a good experience, the office. I always knew that was a safe space for them, because they always had such a good experience, and so much of that was about Barbára style.

Hunt arrived at Caltech in 2007 to work at the Women's Center, and

featured

But Green had no intention of staying in Indiana forever, and the pleasant weather and relaxed atmosphere of California had begun to beckon. Whittier College was her next stop, and would become her permanent home for the next eleven years.

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Today’s Puzzle: Crossword

Across
1. Cetacean mammal
6. Part of the forearm
10. Furry mammal
14. Competitor
15. Gaseous element
16. Wheel shaft
17. Wear away
18. Soldier of ancient Rome
20. Novel
21. Computer peripheral
23. Observed
24. Heaviness
25. Metallic element
26. Powerfully persuasive
29. Redact
31. Type of tree
34. Not together
35. Long-necked wading bird
36. Compete
37. Morass
38. Famous boy wizard
39. Swerve
40. Finish
41. Large bovid
42. Consignment
43. Pasture
44. Cricket term
45. Hurry
46. Female deer
47. Ebbs and flows
48. Cover
51. Herbivorous
56. Nauseating
58. On edge
59. Additional
60. Tournament
61. Tournament
62. Frog-like sound
63. Cervid
64. Curve
65. Bird of prey

Down
1. Small bird
2. Charter
3. Affirm
4. Boy or man
5. Basic substance
6. Unexpurgated
7. Fermentation sediment
8. Not any
9. Insect
10. Nobleman
11. Go out
12. Succulent plant
13. Water bird
14. Try to prevent
15. Tendency
16. To bog down
17. Unit of play in golf
18. Alleviate
19. Join together
20. Frequently
21. In this place
22. Diminutive
23. Elliot
date
24. Irish police force
25. Portent
26. Rum and water
27. Speak up
28. Youngster
29. Water
30. Weep
31. Epoch
32. Blockade
33. Rum and water
34. Unit of play in golf
35. Rum and water
36. Tenderness
37. Tenderness
38. Bee house
39. Ornamental jar
40. Cubicle
41. Recurrent series
42. Belonging to him
43. Rum and water
44. Ellipse
45. Belonging to him
46. Try to prevent
47. Tendency
48. Toboggan
49. Unit of play in golf
50. Alleviate
51. Trust
52. Portent
53. Rum and water
54. Ellipse
55. Youngster
56. Youngster
57. Youngster
58. On edge
59. Additional
60. Tournament
61. Tournament
62. Frog-like sound
63. Cervid
64. Curve
65. Bird of prey

Clue: It's very hard to keep up with Keith Jarrett’s CD production. He's a very prolific recorder, performing both live and in the studio, sometimes as a soloist and other times as part of a trio alongside double-bassist Gary Peacock and drummer Jack DeJohnette. Jarrett is one of the greatest jazz pianists of all time, and he might even be the best one alive. He worked with jazz legends Art Blakey and Miles Davis in his early days before launching an immensely successful career under his own name, first with a quartet including double-bassist Charlie Haden, and later with the aforementioned trio.

But what probably gained him his wider audience are his live solo performances. When Keith walks on stage, sits at his piano, and plays, neither he nor the audience knows where the melody is going to take them. These fully improvised concerts are both demonstrations of Keith Jarrett’s virtuosity and of his own life experiences. The Köln concert (1975), a masterpiece that breaks down the frontiers of jazz, pop and classical music, is a perfect example of this. It is the best-selling jazz piano record to date and also a magnificent soundtrack to Nanni Moretti’s movie “Caro Diario” (“Dear Diary”). One of the key features of Jarrett’s performances is the feeling of freedom that arises from his music. He consistently crafts pieces during the course of which you truly begin to expect the unexpected.

Clive reviews Keith Jarrett

CLEMENT LACROUTE

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Caltech baseball team almost wins game, loses two instead

AMOL KAMAT
Sports Editor

The Caltech baseball team opened their 2012 season with a double header against Pacifica University. The Beavers came away from the affair with a pair of losses but put up a good, entertaining fight.

In the first game, the Gladiators shut the Beavers out for the first four innings, allowing no runs or hits while scoring four, themselves. Then, in the bottom of the fifth inning, Caltech's Brian Peneseri singled to score Nick Robertson. Captain Eric Schropp followed suit with a single that scored Blaine Matulevich, bringing the score to 4-2.

Alas, with hope on the horizon, the Gladiators scored two runs of their own in the sixth inning and added a final, seventh run in the seventh inning, bringing the final score to 7-2.

But, 1 degree. The Gladiators took a 3-1 lead in the top of the inning and appeared to be gliding towards another victory. But, their celebrations were premature and probably silly and uncoordinated, for Caltech's Daniel P. Sexton hit a two-run triple to tie the game and Brendan Sheehan hit a one run single to take the lead. It was pretty epic.

Once again, Pacifica took the lead with two runs in the fourth, and the Caltech fans wondered if the Beavers could really maintain their scoring ways. Indeed, they could, as they responded with a five run inning, taking a 9-5 lead. Highlights included Jerome Skelly's first NCAA RBI after getting hit by a pitch with the bases loaded (that's the definition of sacrificing the body, kids) and Brendan Sheehan's two run double.

Unfortunately, the Beavers would not score again, and the Gladiators slowly chipped into their lead, ultimately scoring a tenth run in the final inning to officially put the Beaver's miracle game to an end.

Despite the loss, the game was pretty fun. It felt good to cheer for a winning team (which, I realize sounds stupid, but you know it's true). If the Beavers can keep up this level of play, they could very well win a few games this year. In which case, I call for a keg party on solid land, but what do I know. Nobody invites me to parties.

The Caltech swimming team celebrates its seniors. One would think swimmers would celebrate in a pool, and not on solid land, but what do I know. Nobody invites me to parties.

Caltech concludes home schedule; celebrates seniors

PASADENA, Calif. – The Caltech swimmers and divers finished their home schedule with a dual meet against Occidental. There were eight Beavers competing at the Braun Pool one final time on Saturday.

There were eight seniors honored before the meet began as Peter Buhler, Adrian Chapman, Justin Johnson, Adam Khan, Janis Intoy, Caitlin Began, Jessica Swallow and Tony Tong competed in front of the home fans the last time.

Johnson continued his solid season by winning both the one- and three-meter diving events. He won the three-meter competition with a score of 219.35 while recording a score of 239.15 to claim first-place in the one-meter event. Teammate Ben Grabowski continued an impressive first season on the board with second place scores in each event as the duo combined to score 26 team points.

During the swimming portion of the men's meet Buhler enjoyed a first place finish in the 100-yard backstroke. He out-touched Occidental's Zach Condon 57.28 to 57.56 to win the event.

CJ Culpepper brought home a win for the Beavers by swimming the 1000-yard freestyle in 11:23.95. The first-year's effort was just 9.11 seconds faster than the Tiger's Alex Rand. Caltech's Christian Rivas posted a time of 22.57 in the 50-yard freestyle to top his nearest competitor by 19 in the sprint race. Rivas and Buhler tied for top team point honors among Beaver swimmers with 13 each.

Regan concluded her home career with a pair of nice races in the 50- and 100-yard freestyle. She started her day with a second-place finish in the 50 (26.58) then followed that with a third-place finish in the 100 (57.03).

Marqueax Lopez gave the Beavers a solid swim in the 200-yard freestyle. The first-year finished second with a time of 2:11.34. Mishra Raffie also brought home a runner-up finish and four points for Caltech by swimming the 100 yard butterfly in 1:09.61.
Acquired Taste

For more photos, videos, and archives of previous issues, check out the Tech website!

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