

## Caltech students, staff volunteer in program for local veterans

DAVE ZOBEL  
Caltech Media Relations

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For the last three years, Caltech students and staff have been lending a hand at Pasadena City College, providing free tutoring and mentoring to some of the campus's nearly 800 student veterans. This past spring, 19 Caltech community members participated. Their involvement is part of a larger volunteer program, run through PCC's Veterans Resource Center (VRC) — established in 2010 under a grant from the California Community Colleges Chancellor's Office—that provides support and guidance to the campus veterans.

Patricia D'Orange-Martin, coordinator of the VRC, calls the Caltech cohort "the core of our tutoring/mentoring team" and credits it with providing more than 60 percent of the program's support, "particularly for veterans preparing to transfer to four-year colleges and universities."

Urte Barker, the creator of the tutoring program, started the center with a handful of volunteers.

In 2012, she decided she was ready to enlarge the group of tutors and expand academic support, especially in higher-level math and science subjects, and approached Caltech through its Center for Teaching, Learning and Outreach (CTLO) and through the Caltech Y.

The Caltech community responded enthusiastically. Some tutors are undergrads, including Dennis Lam, a junior majoring in computer science. "The veterans I've worked with are motivated, hard working and have a clear picture of where they want to be in the next stages of their lives," Lam said. Volunteers have also come from the ranks of Caltech's graduate students, postdocs, administrators — even a postdoc's chemistry-teacher wife.

Serving veterans, says Mitch Aiken, associate director for



Chang Zhang (left), a veteran student at Pasadena City College, studies with his tutor, Caltech graduate student Eric Burkholder.

Photo Courtesy of David Ho

educational outreach at CTLO, "provides our students with the chance to deliver meaningful one-on-one outreach." It also allows them to "give back, expand their own worldview and get in some excellent real-world teaching experience," he said.

"We're looking for mentors and role models of all ages," said Barker. "Current or recent students are close enough to their own study years to remember the feeling. Older volunteers bring invaluable experience in life-skills development."

"At first, I thought I'd need to be a subject-matter expert," said volunteer Elizabeth DeClue of Caltech Purchasing Services. "But tutoring turned out to be much more about supporting the student and sharing what it takes to be successful."

The need is great, Barker said. "Society has created this huge group of people in their 20s and 30s, dropped them back in school while they're scrambling to gain traction in civilian life and told them to catch up. Some are pursuing careers that will require years of study. Others have memory or health issues." With the military's emphasis on pride and self-sufficiency, however, veterans often resist seeking help, she said. "I keep reminding them: 'What you're learning in college will become your toolbox for your career and your life. Commit to it.'"

Volunteer tutor and former JPL education coordinator Rich

Alvidrez understands from personal experience the issues these vets face. "I found myself very rusty in math after I left the Air Force to begin my college education, so I can understand how difficult it is for some vets to get back after being out of school."

Lessons learned extend far beyond the textbook. "Many students' lives prior to military service lacked enrichment opportunities," Barker said. "Now they're picking up valuable life skills: time management, prioritizing school against outside interests, perspective about opportunities they'd never heard of. That's uplifting and empowering."

Although the potential demand for tutors still outstrips the supply, Barker remains optimistic. "So far, we've just been putting drops on a hot stone," she said. "We also lost some wonderful people after graduation this year. But at the Caltech Y's Community Service and Advocacy Fair in October, I met people with phenomenal amounts of heart and energy. This program creates a feeling of effectiveness and personal satisfaction that keeps our volunteers coming back."

## News briefs from around the globe

*A brief list of events from the past week, compiled by the editors*

### October had best U.S. monthly job growth of the year

271k jobs added, driving unemployment rate down to 5%, the lowest since 2008 [CNN]

### Obama announces rejection of Keystone XL pipeline

1,179-mile pipeline rejected as part of Obama's desire to be a champion of environmental awareness [TIME]

### Los Angeles commits to preparedness plan for "Godzilla El Niño"

13 city departments come together to focus on short- and long-term preparations; heavy rains, floods and mudslides expected [LA Times]

### KKK members list released by anonymous source on Guy Fawkes Day

1,000 names on list released as a "form of resistance against racial violence" [BBC]

### Protests erupt in Taipei preceding first ever China-Taiwan summit

1st meeting between two presidents since Chinese Civil War in 1949 [BBC]

### Farmer burned in China after fight over "nail house"

46-yr. old burned alive after refusing to leave home to make way for new building [CNN]

### Metrojet Airbus A321 en route to Russia crashes in Egypt

224 dead after explosion brought aircraft down, IS claims responsibility [BBC]

## Berkeley astronomer Geoff Marcy resigns after sexual harassment claims

HANNALORE GERLING-DUNSMORE  
Contributing Writer

In early October, the physics and astronomy communities were rocked by the news that, following a six-month investigation by the University of California, Berkeley, famed astronomer and prominent exoplanet researcher Geoff Marcy was found to have sexually harassed four of his students (AP News). The university, however, failed to take any notable action — as per their own statement (available online), the entirety of his punishment was telling him there would be no tolerance of this behavior in the future and removing his procedural protections. Social media was flooded with outrage over the inaction and stories of colleagues corroborating the charges, and added many more anecdotes of Marcy's inappropriate behavior. Some went as far as to say Marcy's sexual harassment was well-

known in the community. For example, on his personal blog Harvard astronomy professor John Asher Johnson called Marcy's predatory nature "one of the biggest 'open secrets' in astrophysics." On Oct. 12, the Berkeley astronomy department convened and issued a statement saying that Marcy was inadequately disciplined and that he should no longer serve as a professor. Two days later, Marcy stepped down from his professorship.

Much of academia hailed this as a great victory — a predatory professor forced to face the music, despite his great scientific reputation. However, to those paying close attention, Marcy being given the luxury of voluntarily resigning after decades of allegedly abusing his power felt like too little, too late. Of the many stories that came out supporting the survivors of Marcy's alleged harassment, perhaps none were more horrifying than those of the two women who came forward,

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# Caltech Y Column

## CALTECH Y

The Caltech Y Column serves to inform students of upcoming events and volunteer opportunities. The list is compiled by Neera Shah from information given by the Caltech Y and its student leaders.

Founded by students in 1916, the Y was organized to provide extracurricular activities planned and implemented by students as an opportunity to learn leadership skills and discover themselves. The mission of today's Y remains the same—to provide opportunities that will prepare students to become engaged, responsible citizens of the world. The Y seeks to broaden students' worldviews, raise social, ethical, and cultural awareness through teamwork, community engagement, activism, and leadership. More information about the Caltech Y and its programs can be found at <https://caltechy.org>. The office is located at 505 S. Wilson Avenue.



Tickets for Beauty and the Beast - The Musical are on sale through the Caltech Y.

Photo Courtesy of Caltech Y

### Upcoming Events

#### 1. Caltech Y - Washington DC Science Policy Trip

December 12-15 | Cost is \$485 (with round trip flight to DC and back to LA) or \$285 (with one way flight to DC) | Applications due Tomorrow, Tuesday, November 3rd

Join us for an exploration into Science Policy on an exciting trip to the Nation's capital. The four day trip includes flights, lodgings, and most meals; discussions with those who have played a role in setting and implementing science policy for the United States including: Academics, Lobbyists, Scientists, Politicians, and Caltech Alumni and of course the opportunity to see Washington, DC landmarks like the White House, the Memorials; Smithsonian Museums; the National Archives; and the Capitol. Don't miss this opportunity!

The Washington, DC Science Policy Trip is coordinated by the Caltech Y with generous support from the George Housner Fund. Questions and applications may be directed to [caltechy@caltech.edu](mailto:caltechy@caltech.edu). More info and application can be found at: [https://www.caltechy.org/programs\\_services/areas/dc/](https://www.caltechy.org/programs_services/areas/dc/)

#### 2. Beauty and the Beast - The Musical

Sunday, November 22nd | 6:30 pm | Hollywood Pantages Theater

Transportation is NOT provided | Cost: \$22

Sales begin 12:00 Noon, this Thursday, November 5th at the Caltech Y (505 S. Wilson)

DISNEY'S BEAUTY AND THE BEAST features the animated film's Academy Award®-winning score with music by Alan

Menken and lyrics by the late Howard Ashman, with additional songs with music by Alan Menken and lyrics by Tim Rice. The book is written by Linda Woolverton.

DISNEY'S BEAUTY AND THE BEAST is the classic story of Belle, a young woman in a provincial town, and the Beast, who is really a young prince trapped in a spell placed by an enchantress. If the Beast can learn to love and be loved, the curse will end and he will be transformed to his former self. But time is running out. If the Beast does not learn his lesson soon, he and his household will be doomed for all eternity.

This offer is for students only; however students purchasing tickets are permitted to purchase tickets for up to one guest each and that guest can be a non-student. There are a limited number of seats available as supplies last. Explore LA is coordinated by the Caltech Y. The Caltech Y is located in the Tyson House 505 South Wilson (Bldg. 128).

#### 3. Long Beach Kayaking

Saturday | November 14th | 12:30pm - 5:00pm | Cost \$15

All Participants must be able to swim

Join the Caltech Y Outdoors and the Caltech Paddling Club on an afternoon sea kayaking trip. We'll be going to a bay in Long Beach and renting kayaks for 2 hours. This is a great place to learn for those who have never been in a kayak, and a fun place to explore for everyone. Leaders of the Caltech Paddling Club will be

there to help teach paddling technique for anyone interested.

The cost of the trip is \$15. Participants will receive a confirmation email and be asked to pay at the Caltech Y by Friday, November 6th to hold their spot. The Caltech Y is also celebrating its centennial year by giving away t-shirts and as a bonus, participates on this trip will earn the Caltech Y green adventure t-shirt if they haven't already!

For more information on the kayaking location, see here. If you have any questions. Please contact [andrew@caltech.edu](mailto:andrew@caltech.edu). Sign up for the trip here: <http://goo.gl/forms/dH9sYheuCS>.

#### 4a. Pasadena LEARNS

Fridays | 3:00 - 5:00pm | Pasadena

Come volunteer at Madison and Jackson Elementary School! We are partnered with the Pasadena LEARNS program and work with their Science Olympiad team or do regular tutoring along with occasional hands-on science experiments. Transportation is provided. For more information and to RSVP, contact [vkumar@caltech.edu](mailto:vkumar@caltech.edu). Eligible for Federal Work Study.

#### 4b. Hathaway Sycamores

Wednesdays | 5:30-8:00pm | Highland Park

Volunteer at Hathaway-Sycamores, a group that supports local underprivileged but motivated high school students. There are a variety of ages and subjects being tutored. The service trip includes about an hour of travel time and 1.5 hours of tutoring. Transportation is included. For more info and to RSVP email Sherwood Richers at [srichers@tapir.caltech.edu](mailto:srichers@tapir.caltech.edu). Eligible for Federal Work Study.

## Title IX Advisory Committee receives "Burritos, Not Doritos" grant for food at house events

BIANCA LEPE  
Contributing Writer

The Title IX Advisory Committee recently obtained a grant called "Burritos, Not Doritos." At the 2015 Title IX Summit, undergraduate leaders agreed that a program was needed to address sexual misconduct and to make undergraduate events, especially those with alcohol, as safe as possible. This grant will help provide food at these events with the hope that the funds will do all of this, and more.

In order to receive funding, houses must have all house members trained on the following topics:

- Alcohol and consent
- Bystander intervention
- Campus sexual misconduct resources including misconduct reporting information and confidential options
- Campus safety net

This training will take approximately one hour to complete. A house can choose to hold one training or multiple smaller trainings, or can find multiple ways to convey the above information. We understand there may be extenuating circumstances that prohibit all house members from being able to attend the scheduled training(s), but each house must make a good faith effort to train as many of their house members as possible.

A house may choose to invite a Caltech staff member (e.g., Felicia Hunt, Taso Dimitriadis, Erin-Kate Escobar, Jenny Mahlum) or a speaker from Peace Over Violence or the Santa Monica Rape Treatment Center to give the training. If a house decides to pursue one of the off-campus options, the Title XI office will provide contact information and help plan the programming.

In order to receive the funding, each house should work with Hunt to develop the program(s). Once the house has completed training, it should submit documentation to the Title IX student advisory board for approval; \$1,000 will be given to any house that makes a good faith effort to complete the training and works to ensure a safe and supportive environment for all. The faster a house gets its members trained, the faster it will receive the money.

The funds may only be used for the purchase of food and non-alcoholic drinks at house parties/events. The food being purchased with these funds should be substantial items, not snacks, hence the name "Burritos, Not Doritos." Eating substantial food slows the absorption rate of alcohol. Providing substantial food (and lots of water) at events where alcohol is served will reinforce this healthy drinking behavior and ultimately help create a safer event.

If there are any questions or concerns regarding this grant, please contact the Title IX Office.

## Caltech live!

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### CHOOSING THE T-CELL PROFESSION: HIGHER EDUCATION FOR STEM CELLS

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**Ellen Rothenberg**

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## The Chap talks a lot, plays a little on new album

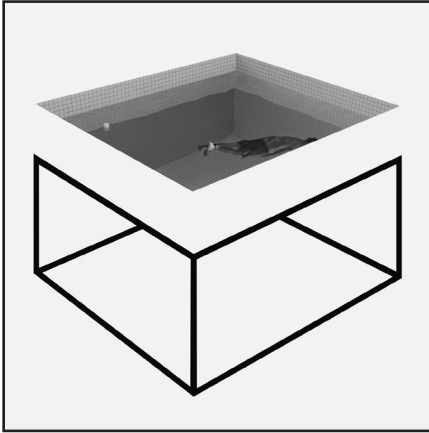
**NAILEN MATSCHKE**  
Contributing Writer

After five stellar albums and over a decade of obscure existence, some might consider The Chap's efforts to be a pop act somewhat fruitless, but to the group members I think anything else would indicate they've lost their touch.

Since 2003's *The Horse*, the trans-European act has been producing an oddball mix of dance-pop, krautrock and electronic elements with such thorough self-awareness that inspiration almost unintentionally becomes parody, and vocals can't help but deliver sociopolitical commentary whether they contain words or not. This stands as a permanent barrier to ever having a shred of radio appeal, but it also supplies them with a seemingly inexhaustible source of content. Whether it's the sillier tone of earlier records like *Mega Breakfast* or the tongue-in-cheek pointedness of recent ones like *Well Done Europe*, The Chap's cryptic lyrics never stop being an entertaining look at their world, and without the need to write so-called "proper rock" their seamless use of its traditional instrumentation in an electronic context is unmatched in its creativity. Now, after advertising their upcoming "political rock album" on social media for some time, the band's sixth effort *The Show Must Go* is here, and all that remains to be seen is whether they retain their charm while tackling the issues of the modern world.

One thing that immediately sets *The Show Must Go* apart from other Chap albums is its 17-song tracklist. The album isn't particularly long, but rather features a number of vignette-like songs, each taking on a different topic. Lead single "Jammer" is the most memorable of these, featuring obnoxiously whined vocalizations backed by some straight-laced punk instrumentals in what the band has explained is a lampooning of the political protest song. It sounds like a childish outburst, but mocking young artists who think music can change the world is precisely the goal, and it doesn't overstay its welcome. This strategy serves its purpose elsewhere on the album as well; "Charitable Action," for example, spends a minute comparing the struggle of poverty to running a marathon for sponsorship over an almost offensively unmelodic rock tune, while "Epic Tolerance" features barely-rhythmic noise under chants observing the public's disturbing fascination with drones, and "Partly People" sarcastically extolls being a warehouse worker as "better than prostitution." These sketches are short, darkly amusing, and entirely to the point so that despite not being fleshed-out tracks, they feel like little snacks dispersed throughout the album, and it's hard to say no to more of the band's wit when it's packaged so neatly.

I do find, however, that I tend to prefer the record's longer songs, as they are where The Chap's strengths shine the strongest. Even in deconstructing rock clichés, a practice almost as old as the genre itself, the band provides a master class with "Guitar Messiah." After a perfect build-up of some surprisingly catchy rock, the band



<http://www.normanrecords.com/>

executes a hilarious abomination of a guitar solo complete with pauses to find the next note, marking the tipping point of the song's subtle transition from clean guitars and distorted vocals to cacophonous overdrive and a pristine female voice. Meanwhile, the lyrics completely change tone and cadence from the rest of the record, yearning for a teenage, suburban "guitar messiah" to "Bring it back, bring it back, come on bring ding-a-ling set the Internet on fire." In one fell swoop, the band mocks so much of rock music and culture, all within the catchiest song on a rock record, yet this is only the tip of a bitter, brilliant iceberg. "He'd Rather Die. He's Getting Ready" summarizes with parables the modern state of going through life's motions without knowing or choosing why ("He explained the system to me / So now I know I don't know what's happening to me"), "Student Experience" exposes the capitalist conveyor belt of the education system through the mouth of a schoolgirl ("You know I've invested / You know what to do / Make me ready / To be market-ready"), and there's even a series of snippets

dealing with the power and abuse of money. *The Show Must Go's* pertinent and poetic commentary makes it a must-listen for anyone who likes some meaning in lyrics.

I will admit, however, that this comes at somewhat of a loss to its instrumental side. The Chap has taken a stripped-back, rock-oriented approach to its music since *Well Done Europe*, so it's not a surprise that *The Show Must Go* continues this trend, but there is certainly something to be said for the dance beats, samples and generally more ambient nature of The Chap's first three albums. Writing memorable riffs is not one of the band's strengths or priorities, but with an expanded arsenal of composition techniques, I would argue that the band's earlier work contains far more single-quality tracks that stand on their own. Here, while the music fits the tone of the lyrics and never strays far from experimentation and dissonance, hardly any of it stuck with me or even piqued my interest. Apart from a couple of tracks, I think this album would have benefitted a great deal from some electronic production, without which its unpassionate guitars and drums come off sounding sterile.

The music of The Chap has always been reserved and academic, and I don't see them making any new fans with *The Show Must Go*. Its lyrical content is a strong contender for the best of The Chap's career, but if you're looking for politics in your music, beware that these are not the alt-rock anthems they so gleefully make fun of. Personally, I think the lyrics are a perfect mix of hilarity and depression for the most part, but the issue remains that as they're presented here, there's not much to elevate them above spoken word or poetry. Some songs use the band's instrumental backing to their advantage, but many just feel limp. There's a ton to digest here, and I'm sure some has gone over my head, but without strong songwriting to support it the album is a middling release for The Chap.

## Mixed bag at the ballot box for millennials

**SEAN MCKENNA**  
Contributing Writer

For many at Caltech it went unnoticed, but Nov. 3 was actually an election day for many jurisdictions across the United States. This "off-year" (not midterm or presidential) election didn't feature nearly as much spectacle as the 2016 elections have already provided, but three races in particular stood out to me. Ohioans voted on whether to legalize marijuana, while Houstonians pondered the merits of extending the Houston Equal Rights Ordinance.

The subjects of these referenda are issues that pretty much define journalism's most recent darling, the millennial generation. The referenda and their results are distinguishing evidence of the current status of millennials in American society. The very existence of these ballot measures signifies the blossoming electoral clout of millennials. However, the mix of results tells us that the country has not yet been fully conquered by Justin Bieber-loving, Kardashian family-following Facebook fanatics.

As recently as the 1990s, while most millennials somewhere between diapers and puberty, the "grown-ups" were sparing no expense while waging war on weed. In 2015, though, the tide has definitively turned for marijuana. That the first states to legalize were in the West came as no surprise to anyone, but pot will only breach the Mississippi while riding on strong social undercurrents, and the rise of millennials as a voting bloc may provide just that. Ohio would have been the first Midwestern state to legalize marijuana, as well as the most populous. The legalization measure was rejected, but the

seriousness of the election in such a traditional state is surely a victory for marijuana's proponents across the country.

Generational differences in affinity for marijuana are significant, but even more significant are the differences in acceptance of sexual orientation and gender identity, so one would expect a majority of millennials to support the City of Houston's referendum on the Houston Equal Rights Ordinance, which sought

*"... without avid participation in democracy, people's rights will be taken away, and not necessarily by an oppressive government."*

to prohibit discrimination on the basis of, among other categories, sexual orientation and gender identity. The ordinance failed to be passed. Its failure should serve as a wake-up call to millennials: without avid participation in democracy, people's rights *will* be taken away, and not necessarily by an oppressive government. The Houston City Council passed the Equal Rights Ordinance, and it was signed by the mayor. However, voters in Houston initiated a referendum to veto the ordinance. Their attempt to deny protection for all sexual orientations and gender identities was based on scare tactics about sexual predators in women's restrooms. Those who could see through the scare tactics (including a fair number of millennials, I'm guessing) apparently could not be bothered to vote. They stood idly by instead of making known their preference for equality and justice. If we wish for our country to become more equal and just, this situation cannot be repeated.

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## Blackwood scores in fifth straight game at Pomona-Pitzer

**GOCALTECH.COM**  
Actual Sports Content Editor

CLAREMONT, Calif. (Nov. 4, 2015) – Senior James Blackwood netted for the fifth straight game but the Caltech men's water polo team fell at the hands of Division III No. 6 Pomona-Pitzer Colleges on Wednesday evening.

The Sagehens defended their home pool in a 19-3 victory to improve to 10-13 overall and 2-3 in the SCIAC while the Beavers drop to 7-14 (0-5).

Caltech hung close through the first quarter, trailing by just 3-1. Pomona-Pitzer blew the doors off in the second quarter, however, to lead 9-2 at the half and rode a 10-1 advantage in the second half to the final 19-3 score line.

Blackwood opened the scoring for Caltech in the first quarter, followed by

senior Patric Eck in the second on an assist from junior Christopher Bradley and junior Jordan Bonilla in the third via an assist by freshman Billy Bloomquist.



The rare Blackwood waterbird spreads his wings and tilts his head to the side in an attempt to confuse his prey before snapping it up.

Photo Courtesy of Bob Palermi

## Feist tops SCIAC in saves for third year

**GOCALTECH.COM**  
Actual Sports Content Editor

PASADENA, Calif. (Oct. 31, 2015) – Junior J.D. Feist ended the 2015 season with 107 saves to lead the SCIAC for the third year as the Caltech men's soccer team fell to California Lutheran University, 3-0, on Saturday afternoon.

Feist capped his junior year with a brilliant display, playing tough in the box and never hesitating to step out and clear dangerous long balls. He currently ranks third on the Division III active saves leaders list and fourth on the NCAA-wide ranking, with 380 for his career.

Caltech earned a pair of chances early, winning a corner kick just four minutes in and getting a shot on goal from senior Valentin Skoutnev in the eighth. Nevertheless, CLU got on the board first with a long ball over the defense



JD Feist shows off his dance moves in his dynamic rework of the YMCA. His teammates, meanwhile, didn't get the memo that they wouldn't be performing the "Macarena."

Photo Courtesy of Charlie Magovern

finding a runner, who punched it past Feist for the go-ahead goal. The Beavers had another good look just two minutes later with a free kick from 25 yards out, but a low rocket from freshman Jack Banaszak was saved.

The Kingsmen doubled the lead within the first minute of the second half with an open look from the right side and put the game away in the 81st minute.

Caltech's future is certainly bright with a number of impressive performances this year coming from underclassmen. In addition to Feist's reliability between the posts, Banaszak capped his rookie season ranking second on the squad with six points on one goal and four assists. Junior Schaeffer Reed contributed five points after a late-season switch to the center forward role and rookie Tristan Née chipped in a goal and assist while marshalling the midfield with his attacking flair. All told, Caltech will expect to return as many as eight starters in addition to at least three significant substitutes.

Head Coach Phil Murray and the Beavers sent off a quintet of seniors in the final game of their Caltech careers – Adam Ball, Monica Li, Valerie Pietrasz, Skoutnev, and Theodore Wilkening.

## Men's cross country earns first ever regional ranking

**GOCALTECH.COM**  
Actual Sports Content Editor

NEW ORLEANS, La. (Nov. 3, 2015) – The Caltech men's cross country team has earned its first-ever regional ranking, placing ninth in the season's final USTFCCA NCAA Division III West Regional Team Rankings.

Caltech shocked the conference with a fifth-place finish at the SCIAC Championships this past weekend – the team's best finish since 2004 and a three-place improvement on the Multi-Duals just two weeks prior.

The Beavers will compete at the NCAA West Regional in Claremont, Calif. on Saturday, Nov. 14. Caltech's best finish came in 1998, when the Beavers beat out four teams in a 15-team field to place 11th. The highest place Caltech has achieved at the Regional meet is sixth, which came on three occasions – in 1994 (eight teams), 1995 (nine teams) and 1984 (six teams).

"This is a nice acknowledgement of our program's improvement, but when the gun goes off next Saturday, rankings go out the window," Head Coach Ben Raphelson said.

Caltech has beaten three teams in each of the previous two seasons, placing 14th last Fall – the Beavers' highest since 2009, when they finished 13th out of 16 teams – and recording their best point total (312) since 2002 (310), when they placed 11th out of 13 teams.

As part of a 21-team field which would comprise the largest in regional history (no more than 18 teams have ever competed), the Beavers will look to justify their ranking with the first top-half finish in program history next week.

## Percin, Takahashi break record at Pomona-Pitzer Relay Invite

**GOCALTECH.COM**  
Actual Sports Content Editor

CLAREMONT, Calif. (Oct. 31, 2015) – Freshman Brittany Percin broke her second program record in as many collegiate meets as the Caltech women's swimming and diving team competed at the Pomona-Pitzer Swim and Dive Relay Invite on Saturday morning.

After breaking the 200 Free record in her collegiate debut last

week, Percin led off the 400 Freestyle Relay with a 55.03 to claim her second record by the smallest of margins at .01.

The Beavers kicked off the meet with a six-second improvement on last season's 200 Medley Relay performance at the SCIAC Championships, clocking a 2:26.68 thanks in large part to freshman Gemma Takahashi splitting a 28.47 butterfly leg and Percin a 25.68 50 free. Percin followed

up last week's record-setting 200 Free with another sub-two-minute split at 1:59.17 on the anchor leg of the crescendo relay.

Percin's record-setting relay performance came next, followed by another impressive split from Takahashi, who clocked a 56.66 100 Free. The pair then split 25.71 and 25.65 on the 200 Free Relay team, which finished in 2:06.24 to edge out last year's SCIAC Championship team by a half second.

## Seniors end in style with 3-0 sweep of West Coast Baptist

**GOCALTECH.COM**  
Actual Sports Content Editor

PASADENA, Calif. (Oct. 29, 2015) – Senior Cat Jamshidi and her four fellow Caltech volleyball seniors went out in style with a 3-0 sweep of West Coast Baptist College on Tuesday.

The Beavers end the season 3-22 overall – recording the most wins in a season since 2007 – making for a memorable final match for seniors Amy Hu, Jamshidi, Amarise Little, Harinee Maiyuran, and Megana Pagadala.

Jamshidi made a statement in her final collegiate match, setting a new personal best with 22 kills to end her career with 599 kills. As a team, the Beavers played arguably their best attacking match with a season-high .256 hitting percentage.

WCB gave away the opening point on an attack error and Caltech was off to the races, surging ahead 7-2 and closing the set on a 9-2 run in a 25-12 win as Jamshidi racked up nine kills. The Beavers cruised to a 15-5 lead in the second set before the Eagles gathered some momentum, rattling off an 8-2 run to pull within four and riding five unanswered points to make it a one-point set at 23-22. Freshman Subhadra Vetrivel came up with a clutch kill to give the Beavers set point and after an attacking error made it 24-23, WCB missed on the serve to give



The rare victory flower attracts volleyball players like moths to a flame. It is unknown why, but the flower's scent causes players to cluster around the flower with their arms raised.

Photo Courtesy of Michael L. Wong

Caltech the set.

The third set was the tightest of the night. WCB went ahead 4-2 at the outset, but Caltech bounced back to take a 6-5 lead and soon ran the margin to six at 14-8. The Eagles steadily clawed back within three at 23-20, when an attack error gave Caltech match point. WCB smacked a big kill to regain some momentum at 24-21 when a bit of controversy occurred on a 50-50 ball that initially went Caltech's way, but on which Little was whistled for reaching over the net after the fact, resulting in a replay. Jamshidi then put everything to rest with a well-placed kill to cap the season with the 25-21 victory.

Jamshidi's 22 kills came on a

career-best .541 hitting percentage while Maiyuran contributed 20 assists and Little made three total blocks, including two solo. Jamshidi and Vetrivel served up four aces each, with Jamshidi also pacing the team in digs (five).

The 2015 Beavers improved on last year across the board, totaling over 100 more kills, posting a higher positive hitting percentage, serving 35 more aces, making 27 more blocks, committing 79 fewer reception errors and racking up a whopping 249 more digs. Caltech averaged 9.5 additional points per match while recording four more set wins and one more victory than last season.

# ASCIT Minutes

## ASCIT Board of Directors Meeting

Minutes for 3 November 2015. Taken by Phillip.

**Officers Present:** Jay Palekar, Sean McKenna, Phillip An, Kalyn Chang

**Call to Order:** 12:04 pm

**Guests:** Chris Dosen

### President's Report (Nima):

- Absent

### Officer's Reports:

- **V.P. of Academic Affairs (ARC Chair: Jay):**
  - Undergraduate Seminar Series is Wednesday Nov 25<sup>th</sup> at noon in Kerckhoff 024
  - Professor David Hsieh will present regarding physics research
  - Further emails will be sent out regarding this event
- **V.P. of Non-Academic Affairs (IHC Chair: Cat):**
- **Director of Operations (Sean):**
  - Sean will babysit new clubs through a 1<sup>st</sup> year club Process
    - Will outreach to new clubs
    - New club officers can contact Sean
  - Will create a BOD book – to facilitate easier transition among members
  - Dev Team is moving basement servers to club
    - \$375 per year to use Amazon Web Servers
- **Treasurer (Kalyn):**
  - Club Funding
- **Social Director (Robin):**
  - Absent
- **Secretary (Phillip):**
  - Meeting with Joe Shepard tomorrow at noon in CDC
    - Agendas have been sent out
  - Club funding applications will be sent out

If anyone has any questions or concerns about a section of the minutes please email the appropriate officer. We are happy to answer any questions.

**Meeting Adjourned:** 12:15 pm

## VICE PROVOST'S OFFICE HOURS

Vice Provost, Chief Diversity Officer and Professor of English, Cindy Weinstein, offers weekly office hours beginning Thursday, October 15, in Room 104 Parsons Gates. She views these hours as an opportunity for undergraduates, graduate students and postdocs to meet and discuss whatever you'd like to talk about. Professor Weinstein oversees the Council on Undergraduate Education, Caltech accreditation, the Staff and Faculty Consultation Center, Student-Faculty Programs, the Center for Teaching, Learning and Outreach, the Caltech Diversity Center and the libraries.

There are four appointments per hour, 15 min. each. Sign up the day of the meeting in 104 Parsons Gates, Vice Provosts' Offices (x6339).

### Fall Term Hours:

Tuesday, Nov. 10, 12pm-1pm

Tuesday, Nov. 19, 12pm-1pm

Monday, Nov. 23, 12pm-1pm

Tuesday, Dec. 1, 12pm-1pm

Wednesday, Dec. 9, 12pm-1pm

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## REMINDER FROM COUNSELING CENTER:

### Meditation Mob

(drop-in mindfulness meditation group)  
Meets every Tuesday, 12:00-12:50 p.m.  
Bottom floor of Winnett

## UC Berkeley fails to take adequate action against sexual harasser

*Continued from page 1*

saying that they tried to report Marcy for sexual harassment nearly two decades ago while he taught at San Francisco State University.

According to an article from *Mercury News*, Preet Dalziel worked for Marcy as a graduate student. She attempted to report him for sexual harassment after many alleged off-color comments and unwanted contact, which culminated in Marcy allegedly touching her breast while discussing some code. However, the sexual harassment officer Dalziel spoke to discouraged her from reporting Marcy. Despite aspiring to work at NASA, Dalziel left astronomy after the incident, citing concerns that she wouldn't be able to get an all-important reference letter from Marcy after attempting to blow the whistle on his behavior. One of her classmates, Lynda Williams, received the same reaction when trying to report Marcy for similar behavior.

Perhaps if Marcy had been stopped then, in the mid-1990s, he would not have gone on to sexually harass more women, chasing many of them out of the field of astrophysics forever.

Marcy does not encapsulate the issue of sexual harassment

in academia. Instead, he is a symptom of a larger disease. In its current state, academia prefers to look the other way, justify the behavior, and tell those in the community who want to draw attention to sexual harassment that they should just focus on the science. It is not the victims, nor those who advocate for them, who turn the focus away from the science — it is the predators. By viewing their colleagues as sexual objects, the predators are who first step outside of “keeping it about the science.” It is not only unfair, but actually incorrect, to blame those simply trying to get back to their careers in a safe manner for taking focus away from “the science.”

We, as a community, must actively stop tolerating predators — they are bad for

*“In its current state, academia prefers to look the other way ...”*

the people in science, as well as for science itself. If sexual harassment were enough to stop someone's research career, we would see vastly fewer predators. Of course, there will always be outliers. However, it is clear that people like Marcy

never thought they would be actually punished for their actions. To be honest, they had good reason — even now, in 2015, it took massive public outrage for Marcy to face actual repercussions, and those weren't even handed down by his institute. If sexual harassment came with actual scientific ramifications for the perpetrators, perhaps they would not feel so bold as to attempt it.

Despite knowing what kind of predator Marcy seemed to be, many people in the field of exoplanets still worked with him. Of course, in the case of experimental or observational science, it's difficult to truly blame these colleagues. With so few experimental apparatuses available, and those available being very expensive, a relatively small group of people end up with a monopoly on data. As a result, even if people knew about Marcy's alleged behavior, they might have to still work with him to have access to his observational equipment and data.

This problem could be avoided if the community demanded that potential professors or leaders of large projects be vetted more thoroughly for these sorts

of infractions. In order for this vetting to be actually meaningful, victims would have to be encouraged and supported in coming forward when the predators are still graduate students, post docs, and junior faculty, and be better protected from retaliation. We cannot have people like Dalziel being punished and forced out of the field for trying to shed light on sexual harassment. However, in the case of theoretical scientists, it does not seem extreme to ask that people turn away from collaborating with known predators. Currently, the culture seems to be that if one's scientific contributions are great enough, any transgression is forgivable.

However, it is vital to remember that the duty of scientists is not merely to their own research; scientists have a duty to advance science as a whole. This includes teaching, outreach, mentoring, and

creating an environment that fosters other scientists progressing in the field as well. By allowing predators to act with high impunity, we all fail as scientists. Rather than creating a space in which those with the most ability to contribute can flourish, we have created a community that chases out women that don't have an unusually high tolerance for being sexually harassed. That means that we are losing out on many talented women because they can't, or won't, tolerate something that has no place in academia to begin with. While no institution has entirely infallible sexual harassment policies, perhaps most poignantly demonstrated by the Marcy case, the majority of the blame falls on the community for tolerating predators. Once academia is no longer willing to abide predators in the name of “scientific advancement,” we will not only see greater equality and fairness, but we will also start to see scientific advancement driven by a community of scientists selected by the quality of their ideas and their dedication to science, rather than by their gender or their ability to withstand sexual harassment.

*“We cannot have people like Dalziel being punished and forced out of the field for trying to shed light on sexual harassment.”*

## Crossword

1	2	3	4	5		6	7	8		9	10	11	12	
13						14				15				
16						17				18				
19						20			21	22				
			23					24						
25	26	27		28		29			30		31	32	33	34
35			36		37			38		39				
40					41				42		43			
44				45		46					47			
48					49		50			51		52		
					53		54			55		56		
57	58	59	60						61			62	63	64
65						66	67			68				
69						70				71				
72						73				74				

### Across

- Two items of the same kind
- An argument in favor
- Military installation
- Characteristic of country life
- Belonging to us
- Spotted horse or pony
- Legal excuse
- Pasture
- Happen again
- Checkup
- A spear with three prongs
- Pinch
- Appear
- Saloon
- Journey
- Slander
- Security interest
- Using speech rather than writing
- Competitor
- Small island
- Canonical hours
- District
- Punctuation mark
- Square root of eighty-one
- Dynamism
- Group of six musicians
- Redact
- Twenty-four hours

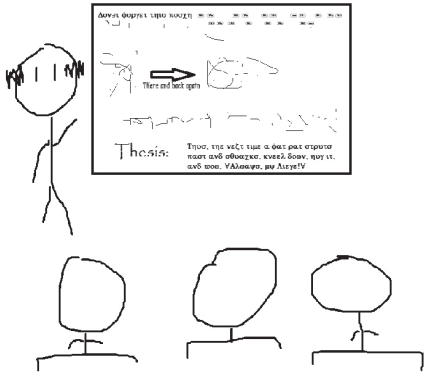
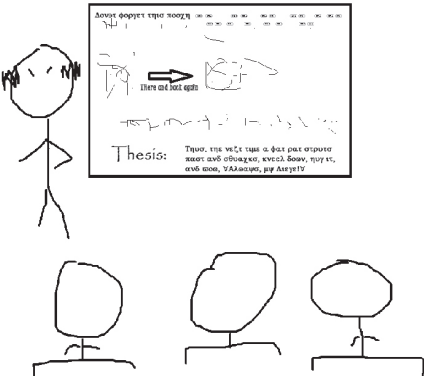
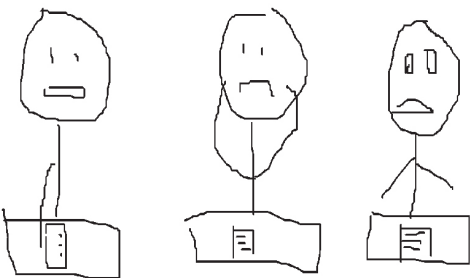


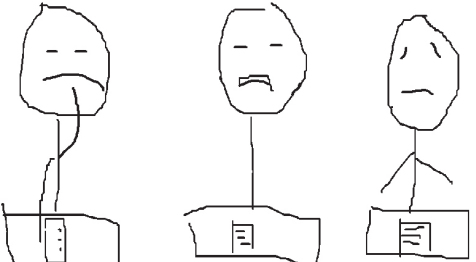
### Down

- Stoker, author of *Dracula*
- Govern
- Desiccated
- Small room on a ship or boat
- Derive a reason
- The counting of votes
- Regret
- Talk pompously
- Having sections or patches colored differently
- One time only
- Stupefy
- Civil wrong
- Preliminary coat of paint

- Protective garment
- The \_\_\_ Sea is linked to the Mediterranean by the Suez Canal
- Breed of gun dog
- Extreme happiness
- Part of a church
- Unwind
- Golf club
- Form bubbles
- Obviate
- A windfall
- Lament
- Bird shelter
- Give temporarily
- Flows through Paris
- Disrupt
- Digit
- Love apple
- Hawaiian greeting
- First public appearance
- Petty quarrel
- A person's reputation
- Burden
- Remainder
- Necessitate
- River deposit of mud or clay
- Not in use
- Prophet
- Was victorious

## Midterms.

Niva, Slava, Laza.

 <p><b>Listen up! This midterm will be the hardest test you ever take!</b></p>	 <p><b>If you don't study your butt off, you will fail the class -and life!</b></p>	
 <p><b>Seriously, if you notice your butt's gone by the end of your studying, you've done something right!</b></p>	 <p><b>Mine has been gone a long time . . .</b></p>	

### Answers to the current crossword (page 7)

R	E	T	O		A	N	D		S	T	E	S	T
E	L	L	T		E	H	O		E	S	U	S	A
E	D	B	A		E	O	W		E	L	A	N	P
S	S	S	E		M	E	N		E	L	K	E	S
			D		O	N	A		C	O	A	L	
Y	A	D			T	E	D		T	E	T	X	S
G	N	Z			E	N	I		H	S	A	S	S
E	N	Z			S	E	N		N	E	S	L	I
L	A	V			R	A	L		O	R	A	L	L
E	A	M			E	F	P		T	R	I	P	B
					M	E	S		P	N	I		
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R					R	E	A		L	B	I	B	A
O					P	I	O		R	A	L	R	R
S					P		P		R	O	E	A	B

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