

## Picasso Lithographs: Looking inside the Artist's Mind

CHLOE HSU  
Page Editor

By recording intermediate states of artworks, lithography provides a rare opportunity for the viewer to see inside artists' minds. To make a lithograph, the artist draws the image on a limestone plate with a special ink, and the image is printed to paper from the stone. It is very convenient for the artist to modify the image by adding or subtracting ink on the same stone. By printing each intermediate state

to paper, the artist can easily keep a history of his creative process.

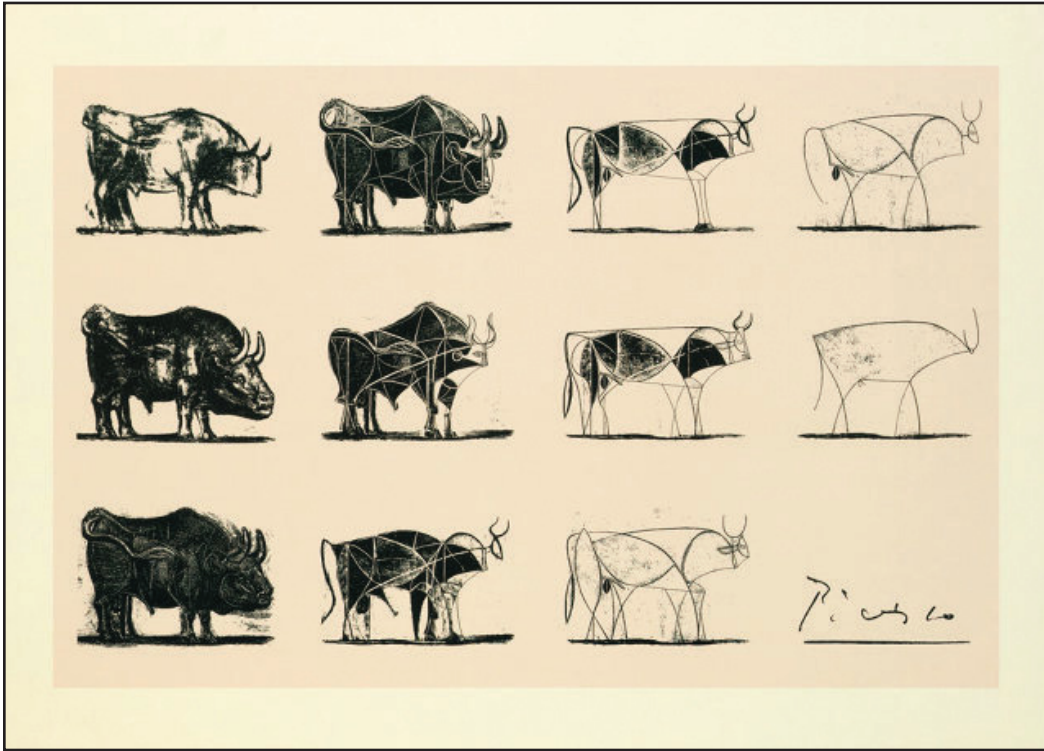
Not many artists valued the intermediate steps of the artistic creation process as much as Picasso did. He was interested in investigating his own thought process, and consciously wanted to document his "states of mind". Since he met the French lithographer Mourlot Frères in 1945, Picasso produced 185 lithography plates in

the next three years, and more than 400 plates by the end of the 1960s.

The Norton Simon Museum has a long history of collecting Picasso prints. Norton Simon, the museum's namesake, purchased 850 Picasso prints in 1977 from the collection of Fernand Mourlot. More than 80 Picasso prints are currently on view at the Norton Simon Museum, including "The Bull" and "Long-Haired Young Girl".

"The Bull" is one of the most famous lithographs by Picasso. The full transition from a realistic behemoth to a simple outline demonstrates how the artist searched for the spirit of the bull in the process of abstraction. From the first plate to the second plate, Picasso bulks up the bull to make the image more powerful. Starting from Plate 3, the bull is dissected by muscle and skeleton contours as if in a butcher shop.

As the simplification process continued, the image lightens with a more elegant sense of balance. In particular, the head shrinks, the front sharpens, and a tail appears. In Plate 10, the bull is reduced to a line drawing - except that the bull's reproductive organ remains shaded to indicate its gender. With all the careful consideration in each step, Picasso shows us in the final plate what he considers to be the absolute essence of the bull.



"The Bull," 1945. Lithograph, 8th state (Pablo Picasso)  
Photo from [https://d.fastcompany.net/multisite\\_files/fastcompany/imagecache/inline-large/inline/2014/08/3034240-inline-tumblr/vicm7zgdkt12izabo11280.jpg](https://d.fastcompany.net/multisite_files/fastcompany/imagecache/inline-large/inline/2014/08/3034240-inline-tumblr/vicm7zgdkt12izabo11280.jpg)



Pablo Picasso (Spanish, 1881–1973), Long-Haired Young Girl, November 24, 1945, Lithograph, first and final states  
Photo from [https://www.nortonsimon.org/assets/Exhibition/Images/\\_resampled/ScaleWidthWyl2MzAiXQ/Picasso-Long-Haired-Young-Girl-M2001141G.jpg](https://www.nortonsimon.org/assets/Exhibition/Images/_resampled/ScaleWidthWyl2MzAiXQ/Picasso-Long-Haired-Young-Girl-M2001141G.jpg)

THE OPTION FAIR IS HAPPENING FEBRUARY 17 FROM 11:30AM – 1:30PM ON THE OLIVE WALK. IF YOU'RE A FROSH TRYING TO FIGURE OUT WHAT TO MAJOR IN, OR JUST WANT TO CHECK OUT THE VARIOUS OPTIONS, COME AND STOP BY! WE'LL HAVE FACULTY AND STUDENTS FROM ALL THE VARIOUS OPTIONS TALKING ABOUT THEIR EXPERIENCES, SO COME CHECK IT OUT.

## Editor's Column - Trouble with Public Transportation

Page Editors

**Chloe:**

Buses in Malta are never on time. I can't even decide if buses are late or early. On average, I spent a quarter of my daily awake time at bus stops waiting for buses, and another quarter on bus rides. Malta is a small country, but not small enough to travel on foot. It would probably only take an hour or two to circle the entire island, if there were highways. But there is no such thing in Malta, and the buses bump along rugged country roads. Some bus routes only run hourly, so my wait time was quantized into hours.

One day, my travel partner and I decided to see an ancient Roman archeological site in the middle of nowhere. We googled directions, hopped on a bus, and successfully got off at the correct stop by constantly staring at our GPS location on Google Maps. The site was impressive with beautiful tile mosaics, but then it was time to get back. The timetable said the next bus was coming in 15 minutes, so we waited patiently. 15 minutes passed, but no bus in sight. The bus was probably late, so we kept waiting. Another half-hour passed, and still no bus in sight. Did we miss the bus because it was 15

minutes early? Or was the bus 30 minutes late? Fine, maybe we just had to wait for a full hour. But the bus never came. I was desperately cold and hungry, and I lost control of my life to the bus driver whom I never met...

**Katherine:**

Flying to Chicago is always risky business in the wintertime, since there's a pretty good chance of a "winter storm", or a barrage of snow, falling from the sky on any given day. It's even riskier when you fly a discount airline, such as Southwest. I fly Southwest because of its reasonably-priced flights and its lenient cancellation policy.

I joke that it enables me to be flaky. However, Southwest has in fact flaked on me more than a few times, cancelling flights to Chicago due to the "weather" (explain to me why United and American can make it to Chicago and you can't, Southwest!!!). I will describe the most notable occurrence.

It actually didn't involve a cancelled flight. The flight took off at the time I expected, and I had a cozy aisle seat from eagerly checking in exactly 24 hours before. In fact, the majority of the flight was completely uneventful, until we were about to land in Chicago. We began circling without

appearing to descend, and I figured that our plane was simply waiting to land. Our pilot announced over the intercom that, actually, the weather conditions were so bad that we couldn't land due to visibility issues, so we were waiting in the sky for the storm to clear up. Vaguely unsettling, but alright.

Half an hour from when we were supposed to land, we were still circling. I wasn't restless yet because I had a hum paper to write, and I also love spectacle. Until the pilot came on again and announced that we were going to stop at Omaha and refuel while

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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 Katherine Guo 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.

#### Upcoming Events

#### 1. Caltech Y Nuclear Winter Series International Nuclear Weapons Policy in the Current Era:

##### A Conversation with Dr. Michael Nacht

Wednesday | February 8th | 12:00 to 1:30 pm | Location to be announced | Lunch is provided (spaces are limited), RSVP Required

RSVP: <https://goo.gl/forms/UvTmxxsIvKAMazxCo1>

Michael Nacht served as Assistant Secretary of Defense for Global Strategic Affairs (2009-2010), for which he received the Distinguished Public Service Award, the Department's highest civilian honor. He also served as Assistant Director for Strategic and Eurasian Affairs of the US Arms Control and Disarmament Agency (94-97), during which time he participated in five Presidential summits – four with Russian President Yeltsin and one with Chinese President Jiang Zemin. Nacht currently holds the Thomas and Alison Schneider Chair in Public Policy at U.C. Berkeley and is Chair of the Policy Focus Area for the Nuclear Science and Security Consortium led by the Berkeley Department of Nuclear Engineering. He is the author or co-author of six books and more than eighty articles and book chapters on nuclear weapons policy; regional security issues affecting Russia and China, the Middle East and East Asia; cyber and space policy; counter-terrorism and homeland security; international education; and public management.

The Caltech Y Social Activism Speaker Series (SASS) Committee is hosting the lunch seminar with Professor Michael Nacht to discuss recent international developments in nuclear weapons policy as a part of a Nuclear Winter Series. As tempers flare and tensions rise across the globe, open dialog on nuclear arms is more important now than ever. Watch for more programs within the series this winter term. Programs coordinated by the Social Activism Speaker Series were made possible with generous support from the George Housner fund and the Caltech Y.

#### 2. Hathaway Sycamores

Every Wednesday | 5:30 - 8:00 PM | 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.

#### 3. Pasadena LEARNS

Every Friday | 3:00 - 5:00 PM | 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 [azhai@caltech.edu](mailto:azhai@caltech.edu). Eligible for Federal Work Study.

#### Beyond the Y

##### 1. Rev. William Barber, President of the North Carolina NAACP

Wednesday | February 1 | 7:00 pm | Thorne Hall – Occidental College in Eagle Rock | Free

Oxy Facebook event page: <https://www.facebook.com/events/648332075331014>

Rev. Barber is the president of the North Carolina NAACP and leader of the Moral Monday movement, a multi-racial, multi-generational interfaith movement that has led protests at the NC General Assembly around issues of injustice, including voting rights, gun violence, immigration reform, school funding, LGBT rights, the minimum wage and workers' rights, and others. Hundreds of activists, including Dr. Barber himself, have also engaged in non-violent civil disobedience to expose what the politicians in North Carolina are trying to do in the dark.

The event is sponsored by Occidental College and several student groups and cosponsored by the Southern Christian Leadership Conference, Clergy and Laity United for Economic Justice, the Coalition for Humane Immigrant Rights in LA, the LA Alliance for a New Economy, the LA County Federation of Labor, the Black Worker Center, and LA Voice. Martin Luther King spoke in Thorne Hall in April 1967, 50 years before Rev. Barber's talk.

Rev. Barber's speech to the Democratic convention last summer made headlines around the world. If you weren't able to see it then, here's a link to that speech: <https://www.youtube.com/watch?v=aw3PUghqIAA>

#### 2. Science Fair Judges Needed

February 6th - 9th | 9:00 AM - 2:30 PM (Flexible Hours) | Glendale, Ca

Volunteer judges are needed for Franklin Magnet School Science Fair in Glendale. Transportation available and we will feed you too! Graduate students preferred but all welcome to apply.

The times are flexible and you don't have to be present for the whole time slot. We are in need of 12 volunteers to judge our students' projects/submissions. Ideally these volunteers will have a solid background in science and/or currently work in a science-related field. Another preference is that the volunteers not be related to any children at our school to ensure impartiality when awarding prizes.

Please let me know as soon as possible if you or any of your colleagues would be willing to commit to this awesome event that fosters a love of science in our youth. Please email Mary at [mbehar@gmail.com](mailto:mbehar@gmail.com) immediately if interested! Time is running short. Compensation will be in the form of a free lunch on the day(s) of service, networking with other scientists and the joy of having volunteered.

We are also open to any donated prizes you think elementary school-age children might want for first, second, third prize and honorary mentions.

## Caltechlive!

**EARNEST C. WATSON**  
LECTURE SERIES

Wednesday, February 22, 2017 • 8 PM

### USING FISH TO UNDERSTAND HOW AND WHY WE SLEEP



David Prober,  
Assistant Professor of Biology, Caltech

People can reject food, abstain from sex, and control their thirst, but they cannot keep from falling asleep. And yet, we know remarkably little about why we sleep or how sleep is regulated.

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## VICE PROVOST'S OFFICE HOURS

Vice Provost, Chief Diversity Officer, and Professor of English, Cindy Weinstein, offers weekly office hours. This is an opportunity for undergraduate, graduate students, and postdocs to meet and discuss topics pertaining to 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 15-minute appointments available per hour. Please sign up in Parsons-Gates room 104, or call the Vice Provost's Office at ext. 6339.

*Student Office Hours for Winter Term 2017:*

*2/14/17 Tuesday 10:00-11:00 a.m.*

*2/22/17 Wednesday 10:00-11:00 a.m.*

*3/2/17 Thursday 12:00-1:00 p.m.*

*3/13/17 Monday 10:00-11:00 a.m.*

## Student Faculty Conference - What Comes Next?

**TIM LIU**  
Contributing Writer

The Student Faculty Conference (SFC) is a biannual, campus wide forum for discussing how to improve academics at Caltech. The Academics and Research Committee (ARC) is responsible for the event, with assistance from the Vice Provost's Office and support from Student Affairs. In the fall of 2016, special topics committees composed of students and faculty were formed to study three specific topics: The Core Curriculum, Computing Education, and Industry Opportunities. Each of the options also formed their own committee to study topics within each option. On the day of the SFC, the three special topic committees presented their findings in Ramo Auditorium to an audience of students and faculty. At its peak, attendance at the morning session stood at 150 attendees.

The Core Curriculum committee presented student opinions on core. The committee found tentative support for an expansion of menu class options and broad opposition from students against the 12 term HSS requirement, with nearly three quarters of students believing the requirement is excessive. Students are often unable to take one HSS class every term because they need to fulfill other requirements. The result is that students are forced to take multiple HSS classes a term during their senior year, instead of exploring within their major or doing research. Students broadly value a humanistic education, but the marginal utility of taking the last two or three HSS courses may not justify the opportunity costs. Professor Rangel presented data on the aggregate supply of humanities and social science courses and Keith Pluymers gave insights on how his teaching of introductory

and advanced humanities courses differs.

The Computing Education Committee brought concrete recommendations on improving data science and programming instruction. The committee advocated for adding both CS1 and CS2 to core, arguing that computer science is a rigorous, academic discipline, and essential for modern science. The committee also suggested redesigning Ma3 to only teach probability, and to leverage existing data science courses to teach statistics.

The Industry Opportunities Committee studied which career resources were the most heavily utilized by students. The committee proposed creating a course where students and alumni can share their industrial experiences with other students, in a setting similar to current pizza classes. Another recommendation from the committee is to form student

advisory committees to give input to the alumni association and the career center. In the afternoon, each of the option committees held an open meeting to discuss changes and issues within each option.

With the SFC behind us, the three special topics committees and the option committees have started moving forward with their recommendations. Students and relevant faculty will begin organizing an industrial and career sampler pizza courses. A committee of students will also be formed to foster closer connections with our alumni. Several of the changes recommended by the Computing Education and Core Curriculum committees require high level attention from the faculty. Any significant change to core, such as adding a computer science requirement, will need approval by multiple faculty committees and the faculty board. The first step is creating one or more ad-

hoc faculty committees that will weigh the merits and drawbacks of modifications to core.

Several other recommendations from the SFC will be handled at a lower level. Some students expressed interest in having a wider array of menu options. On this front, there have been early discussions with the Medical Engineering department on offering a MedE menu course for undergraduates. Based on the recommendations from the Computing Education committee, the options may decide to recommend several of the existing data science courses, or form new classes tailored to each division.

Although the SFC is over, the process of evaluating academics and implementing improvements is an ongoing cycle. Thank you to everyone who participated in the 2017 Student Faculty Conference.

	CORE			COMPUTING			INDUSTRY		
CHAIR	STUDENTS	FACULTY	CHAIR	STUDENTS	FACULTY	CHAIR	STUDENTS	FACULTY	
ANUSHA NATHAN	TIMOTHY LIU	PAUL ASIMOW	JAY PALEKAR	ALEX MEIBURG	ADAM WIERMAN	NIKITA SIROHI	JOSHUA SONOLA	GUILLAUME BLANQUART	
	JULES OPPENHEIM	JOHN HALL		MICHAEL GOULET	MICHAEL VANIER		BIANCA YANG	ADAM WIERMAN	
	BOBBY SANCHEZ	KEITH PLUYMERS		KSHITIJ GROVER	KONSTATIN ZUEV		VAISHNAVI SHRIVASTAVA	DONNIE PINKSTON	
	JOSEPH SCHNEIDER	ANTONIO RANGEL		BEN BARTLETT	JUSTIN BOIS		ETHAN PRONOVOST	AZITA EMAMI	
	AKSHAY SRIVASTAVA	SARAH REISMAN		ANSHUL RAMACHANDRAN	TOM PRINCE		TANVI GUPTA	RAYMOND DESHAIES	
		JENNIFER WEAVER			HEATHER KNUTSON			MICHAEL VICIC	
					VICTOR TSAI			ANTHONY CHONG	
					DAN MEIRON				

## Editors recall their favorite public transportation stories

*Continued from page 1*

waiting out the storm. I wasn't actually paying attention, but I perked up upon hearing "Omaha". Where is that again? I remembered watching "Mutual of Omaha's Wild Kingdom" on Animal Planet. After wracking my brain and hearing passengers around me do the same, I finally remembered that it was the largest city in Nebraska. Then, I finally had the wits to be shocked: we were flying to Omaha instead of Chicago? What was I going to do there? And why would our plane have only the bare minimum of fuel to get from Los Angeles to Chicago without considering the possibility of circling for an hour? I was incredibly miffed, but since I feel incredibly awkward when strangers complain to me about a mutual negative experience, I kept quiet ("Isn't this line so long?" Um, I guess...)

Silently fuming and also hoping we didn't run out of fuel on the way to Omaha, I dejectedly stared at the disappearing dark mass of Chicago. Once we landed in

Omaha, passengers were allowed to deboard and get food or hang out in the Omaha terminal, but I was paranoid that I would get lost and left behind in Omaha, so I remained on the plane. I called my roommate and my parents, complaining bitterly about being stranded in Omaha, cold and hungry. I may have overdone it, as my seatmate offered me her leftover personal pizza that she bought in the Omaha airport. It looked about what you would expect midnight airport pizza to look like, so I politely refused.

After another hour or so of sitting around and getting the Omaha experience, we were on our way back to Chicago. This time, we landed straight away. Though I can't comment on what it's like to visit Omaha, my brief stay is one of my most memorable airplane experiences.

**Ramya:**

*90 % chance of snow*, my phone said. *Winter Weather Advisory*, it warned. *What could possibly go wrong*, I wondered. I was giddy

with excitement at the prospect of flying by myself for the first time and confidently strode up to the LAX ticketing kiosk to print out my boarding pass.

"You will be charged \$280. Press ok to proceed." WHAT? I peeked out of my peripheral vision to notice what the passengers around me were doing, trying to understand the grave mistake that was occurring. I quickly realized that I was faced with a terrible, terrible fate: I would have to give up my hard-earned spot at the kiosk and stand in an eternal line to get help from the customer service desk.

After standing in a line to ask the customer service lady, then standing in line to try again at the kiosk and back at the customer service line to report my findings, I was told to stand in a different line to get my ticket sorted out. Apparently, my dad had booked a free ticket with a voucher he received and some trivial bookkeeping error had charged us extra.

*45 minutes until boarding.* Ok, this was manageable. I just had to get through security and get to my gate. I was back to all smiles after thinking about going through security by myself for the first time. I smiled at the TSA lady who let me into the security checkpoint line and carefully took off my shoes, removed my laptop and my jacket. No beeps at the metal detector. I gathered all my belongings and reached for my phone to inform my parents -

WAIT. I felt around my purse. *This was not possible.* I desperately turned my purse inside out, hopelessly pleading with fate, although I knew the terrible reality that was occurring. That's right, I had to EXIT security and go back to the bathroom to find my misplaced phone. It was not there, obviously, because that would make my life too easy. At this point, I was curled up in a ball in a corner of the airport, typing panicked Hangouts messages from my laptop to my parents and probably looking quite suspicious to the group of five TSA

security officers gathered nearby. I asked around at the customer service desk, and by some amazing miracle, it was there.

*Whew. 25 minutes till boarding.* Deep breaths. Everything would be fine. I smiled again at the TSA lady as I passed by, but she motioned for me to stop. "That bag is too big for carry-on".

When I finally made it to the security line again, I was completely immune to inconvenience. I didn't bat an eye when I noticed that the line had more than doubled in size since I had last come through here.

*10 minutes to boarding.* I was peacefully at the gate, waiting to board my flight. I got in, buckled my seatbelt and relaxed, thinking about finally reaching home. Four hours later, my plane landed and I admired the snowy sight around me. *It's so beautiful!* I turned on my phone and cheerfully read an unseen text message: "AMERICAN AIRLINES: Your flight to Knoxville has been cancelled. You have been booked on a flight tomorrow morning at 6:30 am."



# Join the Meditation Mob!

Tuesdays, 12:00 - 12:50

Want to learn more about mindfulness meditation? It's a great way to improve your attention and to become more grounded in the present moment.

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We meet in the small room just off the lounge in Winnett. All students are welcome, from total beginners to more experienced meditators.

Mailing list and MP3 archive:  
[counseling.caltech.edu/students/meditation](http://counseling.caltech.edu/students/meditation)



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## Moffatt flashes contact, then power in doubleheader

GOCALTECH.COM  
Actual Sports Content Editor

PASADENA, (Feb. 5, 2017) – Sophomore Connor Moffatt recorded hits in both games and connected on Caltech's first home run of the season as the Beavers dropped both games of Sunday's doubleheader to La Sierra University. The Beavers won one of the four games they played against the Golden Eagles over the last two Sundays and Moffatt, who spent time in the two-hole and three-hole this past Sunday has opened the season on a four-game hitting streak.

### Game Two: La Sierra 6, Caltech 5

Things began to look up early for Caltech in the second game. The Beavers countered a two-run La Sierra first inning with four

runs of their own. Corado got things started with a single into left field before Moffatt, who traded lineup spots with junior Chris McCarren, doubled to advance Perry to third. With two runners in scoring position, McCarren sent Corado home on a sacrifice fly

before sophomore catcher Mark Burleson stepped into the batter's box. Burleson crushed a ball into left-center field to score Moffatt and Perry knocked home Burleson with an RBI single of his own. Senior Harrison Jacobs made it a two-run ball game when he singled down the left side to score Perry.

La Sierra, however, tied the game in the fourth inning when senior pitcher Kai Kirk gave up two runs, one unearned between



Do YOU know the Moffatt man?!

Photo Courtesy of Elise Cutts

the third and fourth innings. Perhaps the game's most crucial moment came when Caltech came up to bat in the fourth. Senior Schaeffer Reed led off the inning with a single, but took too big of a lead on a Corado right-field fly ball and was thrown out when trying to return to first. Had he gotten back to the bag in time, the result of Moffatt's next at-bat might have sent this game to extra innings. With the bases empty, Moffatt crushed a home run over the left field fence to put the Beavers back on top. The solo shot was Moffatt's first home run of the season.

La Sierra countered with two runs in the top of the fifth inning, leading to the end of Kirk's day on the mound. The senior gave up six runs (three earned) in 4.1 innings of work and struck out two batters before giving way

to Levine, who made the switch from first base. Levine lasted the remainder of the game, striking out one batter in 2.2 innings on the mound while surrendering just three hits and no walks. In spite of this, Caltech lost the offensive groove they found in the early innings

of the game and ended up taking a tough 6-5 loss at the hands of the Golden Eagles.

Moffatt finished the day a combined three-for-six at the plate with one home run, one RBI and two runs scored. Perry also had a nice outing for himself, going a combined four-for-six at the dish with two runs scored, one RBI and one walk.

## Men's tennis picked fourth in SCIAC preseason poll

GOCALTECH.COM  
Actual Sports Content Editor

PASADENA, Calif. (Feb. 7, 2017) – The Caltech men's tennis team has been picked to finish in fourth place in the SCIAC, according to the Preseason Poll released by the conference this morning.

The conference's nine coaches tabbed Caltech, which qualified for the 2016 SCIAC Championships in fifth place and ultimately placed in sixth for the program's best finish in a decade, to finish just below the three national powerhouses, Claremont-Mudd-Scripps, Pomona-Pitzer Colleges and the University of Redlands – all Top 20 programs in the entire country entering this season.

The Beavers split votes with Cal Lutheran University (30), followed closely by Whittier College (29), which narrowly escaped the first round of SCIACs with a 5-4 win over

Caltech last spring. Chapman University was tabbed to finish seventh (23), with Occidental College expected to round out the conference in eighth (8).

Caltech recorded its most wins in a season (10) since 2000 last year and finished at or above .500 for the first time since 1994. In addition to notching the program's first win over a nationally ranked opponent and earning their first-ever national ranking, the Beavers rewrote a good portion of the record books, thanks in large part to the rookie trio of Zixiao Li, Andre Liu and Derik Nguyen, who locked down the #4-6 singles spots all year. Senior Ruthwick Pathireddy returns as the favorite to compete at #1 and the addition of four talented newcomers, including Top-100 recruit Miha Valencic, looks to have Caltech on a path to continue its quick ascent up the



"UGHH, mom, I told you I didn't want to play tennis anymore!"

-gocaltech.com,

## Galliani heats up as Caltech sweeps Whittier

GOCALTECH.COM  
Actual Sports Content Editor

WHITTIER, Calif. (Feb. 7, 2017) – Senior Ricky Galliani wove together a night for the ages to help keep Caltech's playoff hopes alive at Whittier College on Tuesday night, handing the Poets an 85-62 defeat to complete their first season sweep of Whittier since 1953-54.

Galliani erased the bittersweet memories from the past two games by shooting a cool 6-for-12 from beyond the arc for a career-high 25 points. He also factored in beneath the glass, pulling down nine rebounds (eight on defense) to nearly complete a double-double. The victory brings Caltech, which has played 12 conference games to everyone else's 11, to 5-7 in SCIAC play, while Whittier sinks to 3-8 in a tie for last place.

"Ricky exudes true senior leadership and work ethic," Head Coach Dr. Oliver Eslinger said. "He is always focused and ready to go and tonight we started in a good rhythm as a team. We found him and he knocked down shots. I couldn't be happier for him."

Galliani heating up from three certainly helped boost the team's cumulative shooting percentage, but the senior had plenty of help on the offensive end. Fellow senior Nasser Al-Rayes earned his fourth double-double of the season with 15 points and 14 rebounds while shooting 6-for-10 from the field. Senior David LeBaron matched Galliani in coming one



NAAAAH ZABENYAAAA! MAMAZIT MAMAAAA!

Photo Courtesy of Noelle Davis

rebound shy of a double-double of his own, finishing with 11 points and nine rebounds. Junior David Kawashima followed up his 12-point, 12-rebound performance against Occidental College on Alumni Day with another 12-point effort and freshman Alec Andrews coordinated the offense masterfully, dishing out seven assists without committing a single turnover. Andrews, however was not

the only Caltech facilitator. Freshman Bret Johnson distributed five assists of his own.

Caltech was so efficient in every other aspect of the game that the Beavers were able to overcome their continued woes from the free throw line, where they hit just nine compared to the hosts' 19. Eslinger's squad recorded its third-best shooting night of the season at 49 percent while limiting

Whittier to a mere 31 percent and posting an 11-rebound advantage.

"We moved the ball very well, had a number of nice assists, and played a complete team game," Eslinger said. "We wanted to attack from all angles, with everyone, and thought we did that pretty well. We played a good chunk of the first half with David and Nasser not in, and the young guys really stepped up and executed on both ends. That shows our development as a program."

The Beavers put together a 44-point first half and then held Whittier to a meager 24 points in the second half after turning away a late first-half rally that saw the Poets pull back within five. Galliani scored 17 points in the opening frame, including hitting his first three three-point attempts, as Caltech looked to separate itself from the back half of teams in the SCIAC standings. The Beavers seized control in the second half with a quick start as Al-Rayes slammed home a dunk in transition on the heels of a Galliani steal, then Andrews knocked down a three-pointer 41 seconds later thanks to a pass from LeBaron. LeBaron then got in on the action with a layup before Al-Rayes went on the score the Beavers' next six points, putting the Poets in a deep hole early in the second half which rose to a game-high margin of 27 points one minute before the final whistle.

## Counseling Center Groups and Workshops

### Winter Term 2017

The counseling center is excited to announce our workshops for the Winter term:

#### Workshops

**Catalyst:** A 3-week workshop teaching general coping skills

**Refresh:** A 1-hour workshop teaching how to get better sleep

**Emotion Lab:** A 1-hour workshop to recognize your emotions better

**Spark:** A 1-hour workshop to cope with procrastination and work avoidance.

#### Groups

**Social Confidence:** A 7-week week group for anyone who'd like to be more comfortable and less anxious in social situations. Pre-screening required; see the webpage for more information. Begins 1/23.

**Mindfully Resilient:** An 8-week group focused on reducing the risk of relapse for depression and anxiety. Pre-screening required; see the webpage for more information. Begins 1/12.

For the full list of workshops, dates, and times, visit:

**[counseling.caltech.edu](http://counseling.caltech.edu)**

and follow the link to the new classes and workshops.



## ASCIT Minutes

Meetings are every week in SAC 13

### ASCIT Board of Directors Meeting

Minutes for 9 February 2017. Taken by Alice Zhai.

**Officers Present:** Andrew Montequin, Tim Liu, Bobby Sanchez, Sakthi Vetrivel, Kalyn Chang, Robin Brown, Alice Zhai

**Guests:** Chris Dosen

**Call to Order:** 12:22pm

### President's Report (Andrew):

- Planning next town hall meeting on February 13th - inviting RAs/RLCs

### Officer's Reports:

#### V.P. of Academic Affairs (ARC Chair: Tim):

- Writing Tech article about the SFC
- Considering to change the format of the SFC
- Option fair is happening next Friday
- New registrar has been picked

#### V.P. of Non-Academic Affairs (IHC Chair: Bobby):

- IHC is still transitioning
- Meeting with Deans and Joe Shepherd to review rotation

#### Director of Operations (Sakthi):

- 462 hard copies of the '16-'17 yearbook were requested - emailed publisher the numbers to get the price
- Considering to send petition of not having yearbooks

#### Treasurer (Kalyn):

- None of the houses have used their multi-house funding to plan events
- [treas@donut.caltech.edu](mailto:treas@donut.caltech.edu) does not work - use [kcchang@caltech.edu](mailto:kcchang@caltech.edu) to contact the treasurer

#### Social Director (Robin):

- Reserved parking lot next to Keck Institute for Winter Carnival on February 11th from 2PM to 8PM
- Be a Kid Again Day is on February 26th
- Huntington Garden Museum Day during last weekend before finals
- Found caterer for ASCIT formal

#### Secretary (Alice):

- Midnight donuts scheduled for February 22nd

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:** 12:43pm

**Project IDEA.**  
**inspire discover express accept.**  
**Caltech's creative assignment for your week.**

What would you do if you saw a dancing pancake?

What is a crazy idea you have? Tell it to someone. Write down your idea and their reaction.

Write the phone call you wish to have. Format it as a dialogue/script in first-persons.

A: Hi, how's it--

Me: Bye.

What is something you never want to forget?

**Please send all responses to [totem@caltech.edu](mailto:totem@caltech.edu).**

Last time: What is something that interests you? Make a playlist with at least eight songs for someone. A collection of music that makes you think of them when you hear the songs, or songs they might like. Send us the song names and who you chose them for. Have you ever given up something? Given up on something? Make a poster or banner of encouragement and hang it up. It could be for someone in particular or for anyone. Use at least 4 different colors and send us a picture.

For more, go to <https://www.facebook.com/CaltechTotem>.

## Crossword

### Across

- Conifer
- Dull pain
- Possess
- Aflame
- Literary composition
- Translucent mineral
- Relish
- Snare
- Jamboree
- Surgical instrument
- Run or flow slowly
- Monotonous routine
- Hawaiian garland
- Legal guardian
- Vociferous
- Australian flightless bird
- Starch resembling sago
- Lifeless
- Perform without preparation
- Hobble
- Divide or separate
- Information
- Subject matter
- Worn in ancient Rome
- Level
- Darn
- Sobriquet
- Part of the inner ear
- Metallic element
- Lyric poem

- Transparent optical device
- Leotards
- Small stream
- Small mouselike rodent
- Several members considered as a unit
- Whimper
- Object of worship
- Reddish brown dye
- Air pollution
- Bulbous plant related to onions
- Chirping sound

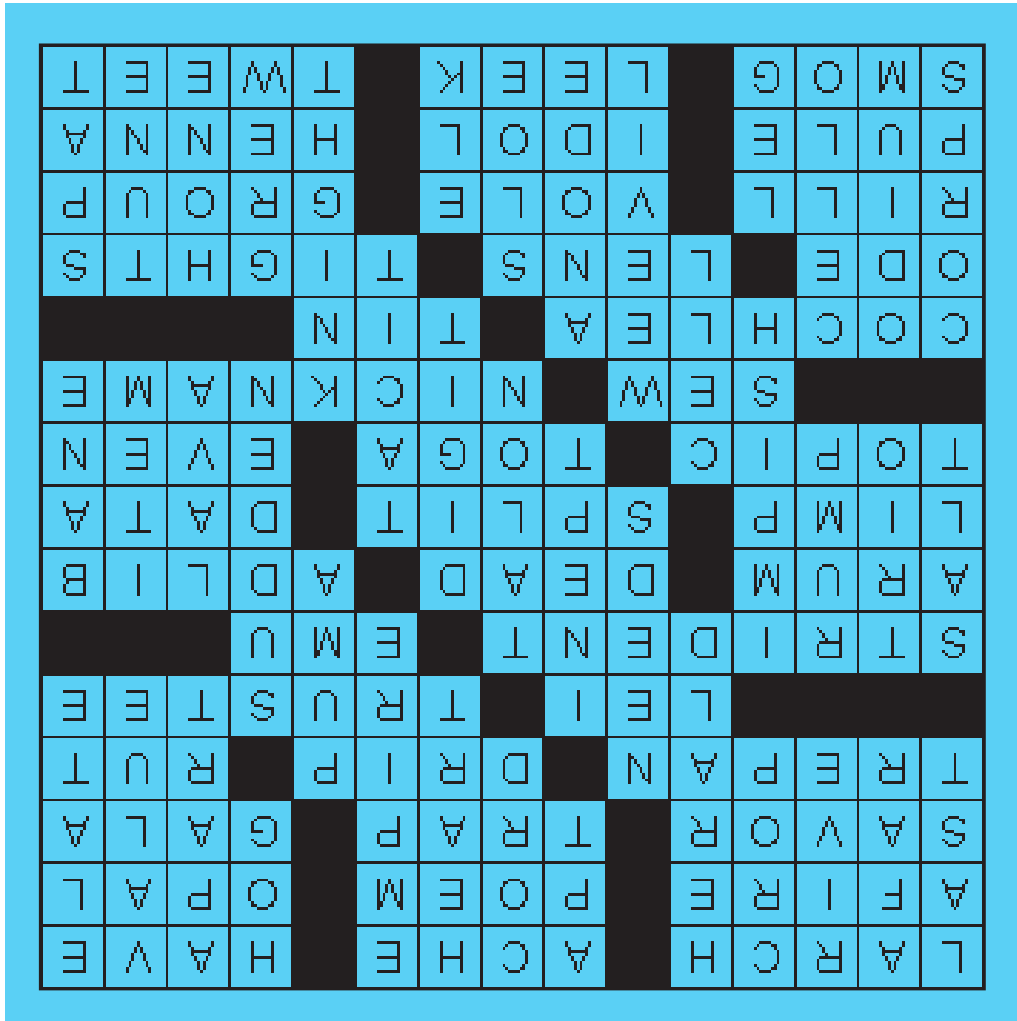
### Down

- Endure
- A great distance
- Rend
- Harvest
- Harbinger
- Pertinent
- Line made from twisted fibers or threads
- The courage to carry on
- Eating apple
- Domestic swine
- Separated
- Relative duration of a musical note
- Uplift
- Requirements
- Large American feline
- Feckless

- Happening without warning
- Sodium chloride
- Group of three
- Cut of beef
- Mischievous
- Claw
- Dactyl
- Molten rock
- Detail
- Nemesis
- Implied or silent
- Cubicle
- Beetle
- Chess piece
- Army unit
- Abhorrence
- Stringed instrument
- Positively charged electrode
- Wild plum
- Developed
- Sharpen
- Melody
- Tiff
- Section of a journey
- Moose

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72						73					74			
75						76					77			

## Answers to current crossword (pg 7)



-<http://puzzlechoice.com>

## The California Tech

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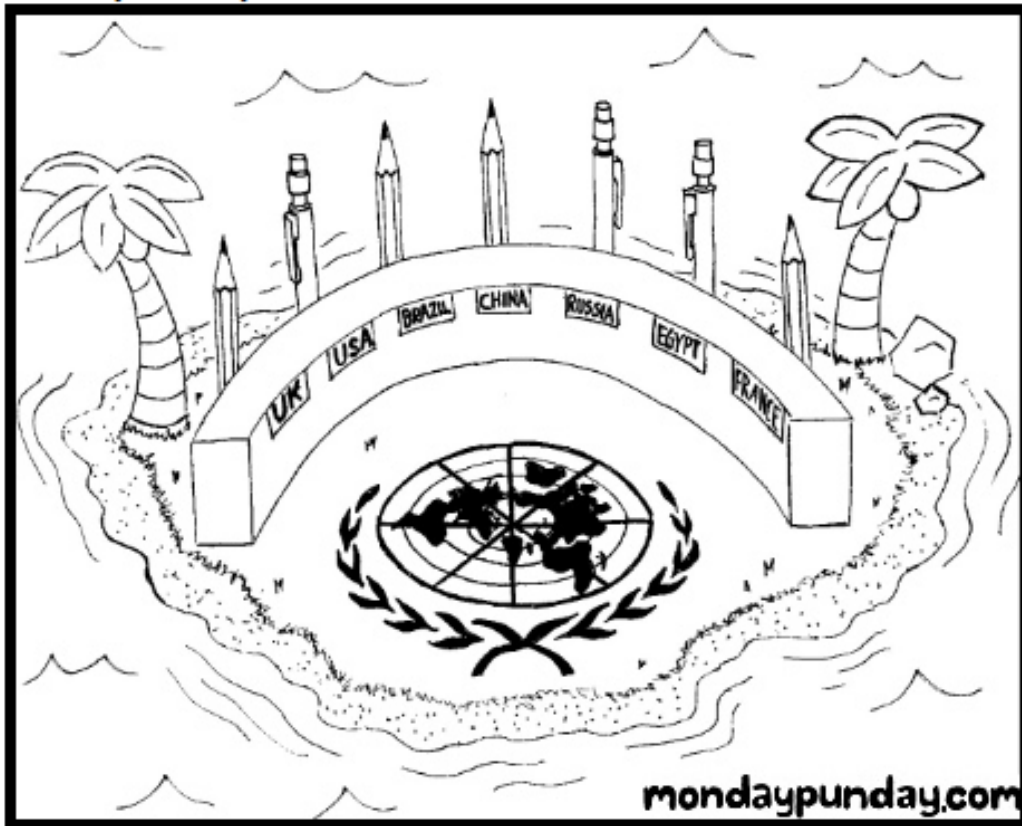
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## Monday Punday



This picture represents a common phrase, title, or person.

Think you know the answer? Take a guess at [mondaypunday.com/319](http://mondaypunday.com/319)

## Note from the editors

Earlier this week, we received an anonymous complaint about one of the comics we published in our most recent issue, entitled "Trash." The text of the complaint is as follows:

I am reading the February 6th copy of the Tech and just read the comic "Trash". Maybe I'm missing some deeper message, but I found this comic to be insensitive, depressing, and unnecessary. It's pretty much analogous to drawing a person with a test they failed, next to a speed bubble saying "I am dumb". What does this accomplish, besides reaffirming people that their negative thoughts are commonplace? I find a serious problem at Caltech with how students normalize depression and negativity. Rather than supporting this trend, wouldn't you agree that a comic section could convey something more productive? I'm not saying comics have to be funny or optimistic - just that they don't need to justify and encourage negative thoughts.

This was not at all our intent when we decided to publish the comic, nor was that the intent of the author when they wrote the comic. However, we do see how this comic could potentially be problematic, and we apologize to anyone who has been offended by this comic. If there are any further questions or complaints, feel free to contact us anonymously through our website [www.thecaliforniatech.com](http://www.thecaliforniatech.com), or to personally reach out to any of the editors.

-The California Tech Team

The California Tech

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