

2018 Feynman Teaching Prize is Awarded to Harry Gray

JUDY HILL
Caltech Strategic Communications

This article is adapted from a story that was originally published online at caltech.edu.

The chemistry professor and Beckman Institute founding director has taught at Caltech for more than five decades.

This year, Caltech's Richard P. Feynman Prize for Excellence in Teaching has been awarded to Harry Gray, the Arnold O. Beckman Professor of Chemistry.

Gray's six-decade career has focused on interdisciplinary research addressing many of the fundamental problems in inorganic spectroscopy and photochemistry, biological inorganic chemistry, and biophysics. Over the past 20 years, he says, his focus has been on electron-transfer chemistry.

Gray, who has taught at Caltech since 1966, was nominated for the Feynman Prize by undergraduate and graduate students, alumni, and fellow faculty members, all of whom extolled the way he has consistently brought his subject to life with a combination of thoughtful instruction and enthusiastic entertainment. Lecturing in a horse costume, noted one of the nominations, was perhaps the most famous exploit he

came up with to keep his students awake and engaged. "Harry loves and lives science and radiates it," another nominator wrote. "His students keep buzzing around him like flies around a night lamp."

Gray's deep insights into chemistry, as well as his profound devotion to his students, was a common theme among those who recommended him for the prize. "His infectious passion for chemistry and learning inspired us all," wrote a former Caltech undergraduate research fellow, now a medical student. "His enthusiastic dedication to our success convinced us that we were welcome within this world of scientific discovery."

Emblematic of Gray's commitment to working with young people is his "Solar Army," an outreach program associated with the NSF Center for Chemical Innovation in Solar Fuels, through which hundreds of high school students meet weekly with Caltech graduate student

and postdoc mentors to search for new catalytic materials that might help make the production of solar fuels from sunlight more efficient and affordable.

Medal, the Society's highest honor. He is a member of the National Academy of Sciences and a fellow of the American Academy of Arts and Sciences. He was also named a foreign member of Great Britain's



Harry Gray, Caltech's Arnold O. Beckman Professor of Chemistry

Photo Courtesy of Verity Smith/Caltech

Gray was chair of the Division of Chemistry and Chemical Engineering from 1978 to 1984 and was the founding director of Caltech's Beckman Institute. He has received numerous honors and awards for his research, including the 1986 National Medal of Science, the 2004 Wolf Prize for Chemistry, and the American Chemical Society's Priestley

Royal Society, as well as a member of the American Philosophical Society. He has published 18 books and more than 900 research papers.

"It feels very good to be added to a list that includes my first Caltech grad student, George Rossman [who received the prize in 2004], and so many other terrific teacher-scholars," says Gray.

The Feynman Prize has been endowed through the generosity of Ione and Robert E. Paradise and an anonymous local couple. Some of the most recent winners of the Feynman Prize include Brian Stoltz, professor of chemistry; Ellen Rothenberg, the Albert Billings Ruddock Professor of Biology; Kevin Gilmartin, professor of English; and Steven Frautschi, professor of theoretical physics, emeritus.

The prize was established in 1993 to honor annually a professor who demonstrates, in the broadest sense, unusual ability, creativity, and innovation in undergraduate and graduate classroom or laboratory teaching. Nominations for next year's Feynman Prize for Excellence in Teaching will be solicited in the fall. Further information about the prize and a full list of past recipients can be found on the Provost's Office website.

Learn more about Harry Gray's teaching career in these interviews recently published as part of the Caltech Archives Oral History Project.

Caltech Students Win Prestigious Churchill Scholarship

WHITNEY CLAVIN
Caltech Strategic Communications

This article is adapted from a story that was originally published online at caltech.edu.

Two Caltech seniors have been awarded the Churchill Scholarship, which will fund their graduate studies at the University of Cambridge. The two students, Aishwarya Nene and Matthew Weidner, are among 15 to be awarded the prestigious scholarship this year.

Nene, 21, a chemistry major from San Jose, California, has been doing research in a variety of labs at Caltech. Working with Viviana Gradinaru, assistant professor of biology and biological engineering, she conducted research to aid our understanding of the neural circuits underlying Parkinson's disease. During her summers, Nene did research at UC San Francisco (UCSF), studying the disease mechanisms behind classical lissencephaly, a brain disorder characterized by abnormally smooth brain tissue and developmental delays in children, and at a UCSF-affiliated company called Neuron Therapeutics, where she worked

on stem-cell therapies for epilepsy.

"I am looking forward to Aishwarya's contributions in the field of neurodegeneration, an area she was exposed to early in her undergraduate years through research in our lab on the role of cholinergic circuits in Parkinson's disorder," says Gradinaru.

Nene is returning to Cambridge after spending a portion of her junior year there as part of a Caltech study-abroad exchange program with the university. She will pursue a degree in translational biomedical research, studying the protein abnormalities behind Alzheimer's disease with chemistry professor Christopher Dobson. After her fellowship year at Cambridge, she plans to attend medical school.

"I want to work in academic medicine and find new therapies for neurodegenerative diseases," she says.

Weidner, 22, is a math major from Topton, Pennsylvania, whose research focuses on theoretical computer science and number theory—the use of mathematical structures to solve equations.

Working with Anand Kumar Narayanan, a former postdoctoral fellow at Caltech now at Sorbonne University, Weidner researched

error-correcting codes, which are used in satellite and other types of communication to protect data from errors. "It turns out that one can use number theory to make very good error-correcting codes, but the computer programs that encode and decode them are not yet fast enough to be practical. We want to develop faster programs," he says.

"Matthew is a very talented undergraduate student," says Xinwen Zhu, who was an adviser to Weidner. "Even as a freshman, he had proved beautiful results in modern number theory. He learns new things at lightning speed and at the same time grasps the essence of them. His writings and presentations are also wonderful. Working with him is one of my best memories in recent years."

Weidner will pursue a master's in advanced computer science at Cambridge. After Cambridge, he plans to earn a PhD in computer science and further study error-correcting codes as well as cryptography—in particular, new cryptographic protocols based on number theory that may be unbreakable by quantum computers of the future.

"I'm excited to study some new topics at Cambridge, such as algebraic internet routing, a

unique way to describe internet traffic mathematically," says Weidner. "Cambridge offers studies on topics like this that aren't as well represented in the U.S."

According to the Winston Churchill Foundation's website, the Churchill Scholarship program "offers American citizens of exceptional ability and outstanding achievement the opportunity to pursue graduate studies in engineering, mathematics, or the sciences at Cambridge. One of the newer colleges and founded in 1960 by royal charter at the University of Cambridge, Churchill College was built as the national and Commonwealth tribute to Sir Winston, who in the years after the Second World War presciently recognized the growing importance of science and technology for prosperity and security. Churchill College focuses on the sciences, engineering, and mathematics."

Each year, 112 universities designated by the Churchill Foundation nominate two graduating seniors for the Churchill Scholarship. Churchill Scholars pursue either taught or research master's degrees at the University of Cambridge. The Churchill Scholarship is worth between \$50,000 and \$60,000, depending on the exchange rate. It covers all university

and college fees, living costs, and roundtrip travel. Churchill Scholars live in the college during their studies at Cambridge and take part in the full Churchill College experience in addition to special activities planned only for the 15 Churchill Scholars.

The first Churchill Scholarships were awarded in 1963. There have been about 500 Churchill Scholars to date, with 23 being from Caltech.

"We had an exceptional group of applicants at Caltech this year for the Churchill," says Lauren Stolper, director of Fellowships Advising, Study Abroad and the Career Development Center. "Each Churchill Scholarship-designated university must select only two students to go on to the national level of selection for the scholarship. It is rare for a university or college to have two students win in one year."

Caltech's nominating committee consisted of scientists who were Churchill Scholars themselves, including Alan Cummings, senior research scientist at the Space Radiation Laboratory; John Brady, Chevron Professor of Chemical Engineering and Mechanical Engineering; Eric Rains, professor of mathematics; and Mitchio Okumura, professor of chemical physics.

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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

Costa Rica Alternative Spring Break Trip

Saturday, March 17th through Sunday, March 25th (9 days) | Cost: \$950

Applications Due: by Noon on November, 22nd

The Caltech Y is excited to seek applicants for our 2017 Alternative Spring Break trip to Costa Rica. Join other Caltech students for a conservation focused spring break trip this year. On the Costa Rica trip we will be working with a host organization OSA Conservation www.osaconservation.org – which is dedicated to protecting the globally significant biodiversity of Costa Rica's Osa Peninsula. Don't miss out on this fantastic opportunity to explore another part of our planet and make a tangible difference in the world.

Trips fees include transportation, lodging, and most food. The Costa Rica Alternative Spring Break trip is coordinated by the Caltech Y and has been made possible thanks to generous funding from the Frank and Elsie Stefanko Fund, the George Housner Fund, Caltech Student Affairs, and the Caltech Y. Spaces are limited.

Visit http://caltechy.org/programs_services/areas/asb/ for applications and more information.

The Caltech Y Social Activism Speaker Series presents:

Solving Climate Change: From Policy to Personal

Thursday | November 30th | 4:00 to 6:00 PM | Location: TBD

The Caltech Y Social Activism Speaker Series is hosting a panel with members of the Citizens' Climate Lobby, a non-partisan volunteer organization dedicated to national policy to address climate change.

Climate change is one of the most pressing issues facing humanity. While the impacts of emissions up to now will be felt potentially for decades, significant policy changes are required in the immediate future to address greenhouse gas emissions and reverse the warming

trend in the long term. Passing legislation to deal with this pressing issue however, remains a problem. CCL campaigns for the passage of a Carbon Fee and Dividend bill designed to tax carbon emissions and return carbon dioxide to its pre-1990s levels. This discussion will feature a panel of CCL members from a variety of backgrounds each of whom will bring their perspective to this issue. Each panel member will talk about their views and then take questions from the audience.

Presentations are intended to introduce one perspective in order to stimulate thought and to provide a forum for respectful dialogue and examination. The views expressed by speakers are solely those of the speakers. Presentations do not necessarily reflect the opinion of the California Institute of Technology or the Caltech Y and should not be taken as an endorsement of the ideas, speakers or groups.

Decompression 2.0

Friday | December 1st | 3:00 to 5:00 PM | Center for Student Services

We made the move... Decompression is now an end of the week stress reliever with activities, snacks and entertainment. Don't go into finals week stressed out. Join us at the end of class week for a little break before studying. A variety of drinks and snacks, entertainment and activities will be provided.

Caltech Y Explore LA Series The Broad Museum

Sunday | December 3rd | 2:30 PM | Cost: \$5 | Transportation Included

Sign-up starting Thursday, 11/16 at the Caltech Y

Join us on a visit to The Broad with the Caltech Y! The Broad is a contemporary art museum founded by philanthropists Eli and Edythe Broad. Designed by Diller Scofidio + Renfro in collaboration with Gensler, the museum is home to 2,000 works of art from the Broad collection, which is among the most prominent holdings of postwar and contemporary art worldwide, and presents an active program of rotating temporary exhibitions and innovative audience engagement. The 120,000-square-foot building features two floors of gallery space and is the headquarters of The Broad Art Foundation's worldwide lending library, which has actively loaned collection works to museums around the world since 1984. With in-depth representations of influential contemporary artists like Jean-Michel Basquiat, Barbara Kruger, Cy Twombly, Ed Ruscha, Kara Walker, Christopher Wool, Jeff Koons, Joseph Beuys, Jasper Johns, Cindy Sherman, Robert Rauschenberg, and more, plus an ever-growing representation of younger artists, The Broad enriches, provokes, inspires, and fosters appreciation of art of our time. 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. Explore LA is coordinated by the Caltech Y. The Caltech Y is located in the Tyson House 505 South Wilson (Bldg. 128).

Caltechlive!

EARNEST C. WATSON
LECTURE SERIES

WEDNESDAY, FEBRUARY 14, 2018 • 8 PM

USING THE BRAIN OF A MODERN FLY TO RECONSTRUCT THE BEHAVIORS OF AN ANCIENT WORLD



Michael H. Dickinson, Esther M. and Abe M. Zarem Professor of Bioengineering and Aeronautics, Caltech Division of Biology and Biological Engineering

Using an assortment of modern techniques from different fields such as neuroscience, biomechanics, and engineering, Dr. Dickinson is attempting to reconstruct the behavior and ecology of the ancestral insects through his investigations of the common fruit fly. His research provides a fascinating window into the past, providing new insight into the evolution of our planet's most diverse group of organisms.

Public Lecture • Free Admission • Free Parking

Caltech's Beckman Auditorium

www.events.caltech.edu • 626.395.4652

Cosponsor:



* Participants will need to meet at the Caltech Y at 2:30 pm to pick up tickets and coordinate rides. We have a timed entry of 3:30 pm. We will be staying for two hours, then uber'ing back to the Caltech Y. Although tickets are free, we are offering transportation for \$5.

Pasadena LEARNS

Every Friday | 3:00 - 5:00 PM | Pasadena

Come volunteer at Washington Middle and Elementary STEAM 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. Eligible for Federal Work Study.

Hathaway Sycamores

Every Monday | 5:45 - 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 40 minutes of travel time and 1.5 hours of tutoring. Transportation is included.

For more info and to RSVP email Elisabeth at egallmei@caltech.edu. Eligible for Federal Work Study.

Mentors for L.I.F.E

Volunteer times: 2:45 - 5:00 PM at various locations in Pasadena

Stressed out by school? Step outside the Caltech bubble and mentor tweens who've yet to even consider college. Things you could do: Build a baking soda and vinegar volcano, read a book aloud, play sports or board games, teach the alphabet of another language, do a craft. Having a mentor makes an at-risk student 55% more likely to attend college, 78% more likely to volunteer regularly, and 130% more likely to hold a leadership position. Interested? If you have 180 seconds, you can watch this video and be inspired. If you have an hour a week, you can mentor someone and be their inspiration. If you feel unqualified, don't worry. Ultimately, mentoring is about being a consistent, dependable friend—not a surrogate parent or psychiatrist.

To get started, contact noelle@caltech.edu.

ADVERTISEMENTS

2018 CALTECH UNDERGRADUATE WRITING PRIZES

Each year the division of Humanities and Social Sciences awards a number of prizes for undergraduate writing. Consider submitting your work to be recognized and rewarded for your work as a writer.

Submit your writing this year for these prizes:

MARY A. EARL MCKINNEY PRIZE IN LITERATURE

Awarded to the best original poetry and fiction. Submit up to three poems. Fiction should not exceed 12,000 words – one submission.
Prize amount: \$500.00/each category

GORDON MCCLURE MEMORIAL COMMUNICATIONS PRIZE

Awarded to the best academic writing in three categories: English, History and Philosophy. No length limit. Please include prompts for all essays composed in courses. Essays written for courses may be revised before submission.
Prize amount: \$500.00/each category

HALLETT SMITH PRIZE

Awarded to an outstanding essay related to the work of Shakespeare.
Prize amount: \$500.00

Copies of last year's prizewinning writing are stored in CaltechTHESIS, and they can be viewed by following links from this writing center webpage: <http://writing.caltech.edu/community/prizes>

Submission Guidelines:

Deadline: April 6th, 2018

Only currently enrolled full-time students may submit. Entries should be double-spaced PDFs. Winners will be announced in June, and winners' names will be in the commencement program. Winning writing will be archived using CODA through the Caltech Library. Email entries to Cecilia Lu at cecilial@caltech.edu, noting the prize to which you are applying in the email subject and filename.

If you're accused of serious wrongdoing at Caltech, there's no guarantee you'll be presumed innocent until proven guilty.
AND THAT'S JUST THE BEGINNING...



SCHOOL NAME		SCHOOL YEAR		LOCATION	
CALIFORNIA INSTITUTE OF TECHNOLOGY		2016-17		PASADENA, CA	
GENERAL MISCONDUCT			SEXUAL MISCONDUCT		
Presumption of innocence	<input checked="" type="checkbox"/>	Presumption of innocence	<input checked="" type="checkbox"/>		
Adequate written notice	<input checked="" type="checkbox"/>	Adequate written notice	<input checked="" type="checkbox"/>		
Adequate time to prepare	<input checked="" type="checkbox"/>	Adequate time to prepare	<input checked="" type="checkbox"/>		
No conflicts of interest	<input checked="" type="checkbox"/>	No conflicts of interest	<input checked="" type="checkbox"/>		
Impartial fact-finders	<input checked="" type="checkbox"/>	Impartial fact-finders	<input checked="" type="checkbox"/>		
Access to all evidence	<input checked="" type="checkbox"/>	Access to all evidence	<input checked="" type="checkbox"/>		
Cross-examination	<input checked="" type="checkbox"/>	Cross-examination	<input checked="" type="checkbox"/>		
Active participation of counsel	<input checked="" type="checkbox"/>	Active participation of counsel	<input checked="" type="checkbox"/>		
Right to appeal	<input checked="" type="checkbox"/>	Right to appeal	<input checked="" type="checkbox"/>		
Unanimity for expulsion	<input checked="" type="checkbox"/>	Unanimity for expulsion	<input checked="" type="checkbox"/>		
GRADE			GRADE		
F 2/20			F 2/20		

Key:

<input checked="" type="checkbox"/> Provides	A = 17-20 points	D = 5-8 points
<input checked="" type="checkbox"/> Partially provides	B = 13-16 points	F = 0-4 points
<input checked="" type="checkbox"/> Does not provide	C = 9-12 points	

Comments:
See FIRE's new report, "Spotlight on Due Process 2017" — thefire.org/due-process-report-2017 — for more on why Caltech fails you when they fail on due process.

The mission of the Foundation for Individual Rights in Education (FIRE) is to defend and sustain individual rights at America's colleges and universities. These rights include freedom of speech, legal equality, due process, religious liberty, and sanctity of conscience—the essential qualities of individual liberty and dignity. FIRE's core mission is to protect the unprotected and to educate the public and communities of concerned Americans about the threats to these rights on our campuses and about the means to preserve them.

Learn more — or get help — at our website: thefire.org

DON'T PUT IT OFF!

Coping with procrastination

A free workshop for all Caltech students

Friday, October 13 and Friday, November 3rd

4:00 - 5:00, 326 Sherman Fairchild Library

EMOTIONAL INTELLIGENCE TOOLKIT

3 modules / 2 weeks each / 1 awesome skillset

Emotional Awareness Get better at knowing what you're feeling, and see how your thoughts and feelings affect each other.

October 9th and 16th

Open-Mindedness Learn how to be more flexible in the way you see the world! **October 23rd and 30th**

Face The Fear Learn how to hang in there with difficult situations and emotions without having to avoid them.

November 6th and 13th

Just show up! Mondays 4:00 - 5:00, 326 Sherman Fairchild Library

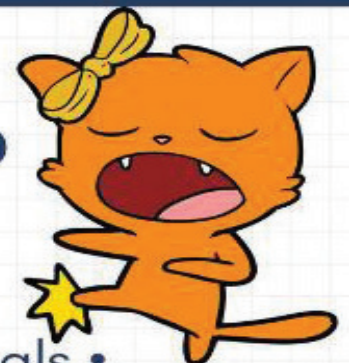
TACKLE THE TERM



Monday, January 8th @ 12:00

And again on Friday, January 12th @ 12:00

Annenberg 105 Lecture Hall



- Learn how to make a study plan • Set smart goals •
- Get started even when you're overwhelmed •
- Cut your losses when you fall behind •

Free lunch on a first-come basis

Watson named to d3baseball.com Team of the Week

GOCALTECH.COM
Actual Sports Content Editor

PASADENA (Feb. 13, 2018) – Freshman infielder Mitchell Watson has been selected to the D3baseball.com Team of the Week for his strong series debut against Providence Christian College over the weekend. Watson made the list as a designated hitter.

Watson becomes the first Caltech baseball player to make the website's Team of the Week list since senior Chris McCarren accomplished the feat as a sophomore.

The freshman began the series with a home run, connecting on the first pitch he ever saw for a deep ride into left center field. He went on to begin his career with a three-game hitting streak and primarily out of the designated hitter spot batted .636 (7-for-11) with three runs scored and three RBIs. He added a triple and a stolen base in the third game, and factoring in the home run, Watson finished the week slugging 1.091, good for the best number among Caltech players.



What do you call a moose with no name? Anonymoose. Heh.

-gocaltech.com

Haleftiras has big fourth against Cal Lutheran



Basketball pics either look super legit or silly...and, honey...you're the latter in this one.

-gocaltech.com

GOCALTECH.COM
Actual Sports Content Editor

PASADENA (Feb. 14, 2018) – Junior guard Nika Haleftiras played all 40 minutes and her high energy led to a big spurt down the stretch for the Caltech women's basketball team against visiting California Lutheran University on Valentine's Day.

The junior turned things on in the fourth quarter where she went 5-for-7 from the field with two three-pointers. She ended her night with 18 points, five

rebounds, three assists and one steal while also shooting a perfect 4-for-4 from the foul line. All five of her rebounds came on the defensive end. Of her team's 15 fourth quarter points, Haleftiras had 12 of them and has been a model of consistency for the women's team over the last five games.

Sophomore guard Grace Peng chipped in with nine points, four rebounds and three assists, and sophomore forward Alexa Lauinger scored eight points to go along with four rebounds and two steals.

Two career nights propel men to OT at Cal Lutheran

GOCALTECH.COM
Actual Sports Content Editor

THOUSAND OAKS, Calif. (Feb. 14, 2018) – Career games from sophomore guard Bret Johnson and Gokul Srinivasaragavan helped provide plenty of offense for the Caltech men's basketball team against host California Lutheran University on Valentine's Day. So much so, that the two teams went to overtime for a second time in 2018.

Johnson, who picked up his first start in the last month, found his stroke from deep in the second half where he scored 16 of his 22 points and knocked down five three-pointers. The sophomore went 7-for-17 from the field overall and shot 50-percent in the second half. Srinivasaragavan, meanwhile came off the bench and logged fewer minutes but shot an efficient 6-for-12 from the field with three trey's to go along with a 5-for-5 night from the foul line. The freshman's free throw shooting allowed the Beavers to shoot nearly 10-percent above their season average from the charity stripe. Like Johnson, Srinivasaragavan also did most of his damage in the second half (10 points).



Annnnndddd Bret got the super legit photo this cycle.

-gocaltech.com

Caltech got hot in the middle of the first half, at one point leading the Kingsmen by 17 points. The home team clawed its way back, though the Beavers still took a four-point lead into halftime. The visitors overcame some adversity in the second half where the hosts were intent on continuing a scoring run stemming from the game's first 20 minutes. Sophomore guard Alec Andrews broke the Caltech drought with a three-pointer, however and the Beavers reclaimed their lead soon after and thanks to Johnson and Srinivasaragavan, would hold it until the game's final 30 seconds. The Beavers' strong start in overtime ultimately proved to not be enough to overcome the Kingsmen, but the game will go down as another heavyweight classic between the two teams in 2018. Andrews finished the game with 15 points and five assists while freshman forward Spencer Schneider had an unlikely facilitator's game, scoring 10 points while adding seven assists.

ANNOUNCEMENT:

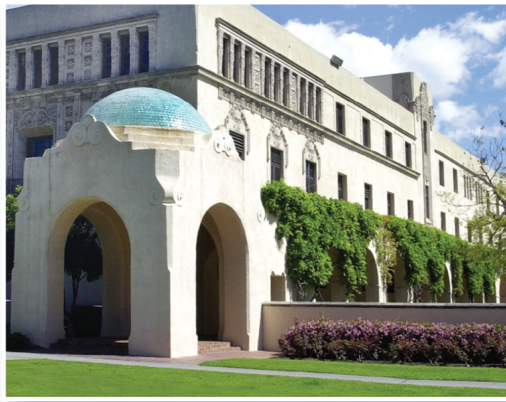
VICE PROVOST, CHIEF DIVERSITY OFFICER, AND PROFESSOR OF ENGLISH CINDY WEINSTEIN HOLDS REGULAR OFFICE HOURS AS AN OPPORTUNITY FOR UNDERGRADUATE STUDENTS, GRADUATE STUDENTS, AND POSTDOCS TO MEET FOR DISCUSSIONS PERTAINING TO THE COUNCIL ON UNDERGRADUATE EDUCATION; CALTECH ACCREDITATION; THE STAFF AND FACULTY CONSULTATION CENTER; STUDENT-FACULTY PROGRAMS; THE CENTER FOR TEACHING, LEARNING, AND OUTREACH; THE CALTECH DIVERSITY CENTER; AND THE CALTECH LIBRARIES.

THERE ARE FOUR 15-MINUTE APPOINTMENTS AVAILABLE PER OFFICE HOUR. SIGN UP AT THE OFFICE OF THE VICE PROVOST IN PARSONS-GATES ROOM 104, BY PHONE AT 626-395-6339, OR BY EMAIL TO DLEWIS@CALTECH.EDU. WE LOOK FORWARD TO HEARING FROM YOU!

STUDENT OFFICE HOURS FOR WINTER TERM 2018:

2/21/18 WEDNESDAY 11:00 A.M.-12:00 P.M.
 2/27/18 TUESDAY 10:00-11:00 A.M.
 3/8/18 THURSDAY 11:00 A.M.-12:00 P.M.
 3/12/18 MONDAY 10:00-11:00 A.M.
 3/19/18 MONDAY 10:00 A.M.-11:00 A.M.

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 most trusted institutions
 in **SCIENCE**.



Now choose one of the
 most trusted institutions
 in **FINANCE**.



When you want unsurpassed stability, integrity and value for your money, Caltech Employees Federal Credit Union offers an honest alternative. There are no gimmicks. No annual fees. No harsh penalties.

Just some of the lowest lending rates and highest savings rates in the nation... and a state-of-the-art eBranch for easy, convenient online and/or mobile access to your account. We're the overwhelming choice for financial services among the entire Caltech family. If you haven't yet joined, call or visit us online or in person today. You belong here.



⁶² Smarter ¹⁶ Solutions. ⁵⁹ Proven ⁷⁵ Results.

Campus Office 515 S. Wilson Ave. (physical address) • **Campus ATMs** Winnett Center & Keith Spalding Building
 626/395-6300 • 800/592-3328 • www.cefcu.org

Must qualify for CEFCU membership to join. Minimum \$5 deposit and one-time \$5 membership fee due upon opening any CEFCU account. Federally insured by NCUA.

ASCIT Minutes

Meetings are every week in SAC 13

ASCIT Board of Directors Meeting

Minutes for February 16, 2017. Taken by Dana He.

Officers Present: Sakthi Vetrivel, Kavya Sreedhar, Rachael Morton, Sarah Crucilla, Alice Zhai, Dana He

Guests: Eric Han, Lazar Illic, Helena Shield, Jacob Snyder, Alicia Tyrone, Sean Yu

Call to Order: 4:35 pm

President's Report (Sakthi):

- Midnight donuts was on Monday.
- Chose ACRL committee members. Meetings will be every week.

Officer's Reports:

V.P. of Academic Affairs (Kavya):

- Option fair happened today from 12 – 2 pm. Had great turnout from upperclassmen and professors, but not freshmen, which is the opposite of last year.
- Course compliments has been launched. Compliments have been posted on ARC website.
- Proposal from core curriculum committee to revise Math 3. Will bring to next VPSA meeting.

V.P. of Non-Academic Affairs (Rachael):

- IHC is transitioning.
- IHC wrote a proposal for ACRL committee, which will be released to public.
- CBS giving money and possibly credit to use Big T logo. Could use money for a yearbook distribution event.

Director of Operations (Sara):

- Not in attendance.

Treasurer (Sarah):

- Trying to get more ditch day funding for houses and dividing based on number of people stacking per house.
- Would like to allocate more money for interhouses based on requests from Lloyd.
- Techstock requesting \$10,000 for performers, security, food, etc. Pretty underfunded based on responses from other funding sources. Has \$15,000 from MHF so far. Estimating 500 undergraduates and 500 graduate students to show up. Plans on increasing advertising and coordinating with houses to prevent event overlaps.
- Feminist Club requesting funding to have two speakers from the Free Radicals to come hold a workshop entitled "A People's History of Science". Will be open to everyone, and will be during lunch in Watson 104. Money will be used to pay speakers. Will advertise via flyers and CDC newsletter.

- Poker Club requesting funding for poker tournament in early March. Would be open to both undergraduates and graduate students, though not expecting much turn out from graduate students. Money would be used for food and cash prizes. Expecting up to 60 people and taking up to 6 hours. Will also have a second division for people who don't want to spend that much time.

Social Director (Alice):

- Movie night for Black Panther is next Friday at 10:15 pm. There will be free popcorn.
- Next Sunday (February 25) is Be a Kid Again Day.
- Pi day is March 14 at 1:59 am, but coincides with Midnight Madness.
- Will sell ASCIT Formal tickets in early March.

Secretary (Dana):

- Nothing to report.

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: 5:34 pm

ARC Minutes 2.18.2018

Present: Kavya Sreedhar, Alex Reeves, Erika Salzman, Arushi Gupta, Michael Yao, Alejandro Lopez

Minutes submitted by: Michael Yao and Shreya Ramachandran

1. Programming

- Student Faculty Lunches (SFLs): sent out form to sign up for SFLs to students
- Course Compliments: past week compliments posted on ARC website; 5 rewards sent last week; rolling lottery system
- UG+Grad Student Research Seminars: moving forward with GSC on this
- Option Fair: not many freshman but many option reps; considering moving to first term or replacing with buddy system/Google doc
- Peer Advising will be happening in all the houses this week before Registration.

2. Projects

- TQFR Improvement: sample template/draft of TQFR guide made. Few more parts left to be changed

3. Miscellaneous

- Drop Day this Wednesday (2/21)
- Registration this Thursday (2/22) - most likely staggered, email to be sent out
- ARC turnover: question about Bechtel representation on the ARC. Maybe 2-3 reps from Bechtel
- CS2 Millikan Study Session: only one CS2 set left, no one responded yet
- Student Faculty Colloquium for grad students this coming Friday starting at 8am in Beckman, similar to undergrad Student Faculty Conference every two years
- Deans Meeting: Wednesday 2/21
- Ad-hoc committee proposal written for CUE for core and pseudo-core

The ARC website at arc.caltech.edu has more information about what the ARC does if you are interested. We meet every Sunday at 11am in SAC13 and our meetings are open to everyone! If you have any questions, please feel free to email ksreedha@caltech.edu.



ARC Tip of the Week

Submit a course compliment about a professor/TA on the ARC website (arc.caltech.edu) to get the chance to have a free lunch with them.

Crossword

Across

- Foremost
- Possesses
- Pace
- Let up
- Appropriate
- Overall or total
- Fiend
- Pasture
- Relating to the kidneys
- Wide scope
- Spear with three prongs
- Twitch
- Pedal extremities
- Hole punch
- Tonic
- Leave
- Fake
- Discover
- Relating to the sun
- This place
- Foul-smelling
- Prong
- Overhang of a roof
- Starchy tuberous root
- Heroic tale
- Sculpture
- Part of a check retained as a receipt
- Unit of play in squash
- Receptacle
- Large body of water

- Proceeding in stages
- Pragmatism
- Relating to the moon
- Fuss
- Gradient
- Unfasten
- Distilled from fermented molasses
- Add up
- Military dining room
- Cleaning implement
- Sudden involuntary movement

Down

- Evanescence
- Wild goat
- Incline
- Musteline mammal
- Court game
- Showing vigorous good health
- Imitate
- Express in words
- Outbuilding
- Voice quality
- Panache
- Animal hide
- Composes
- Express contempt and derision
- Mars, the ___ planet
- Imagination unrestricted by reality
- Fire residue
- Cereal grass
- Immature life form
- Prescribed selection of foods
- Cooking vessels
- Assumed name
- Scope
- Delicacy
- Encounter
- Grime
- Cover with liquid
- Surgical seam
- Epoch
- Animals
- Warning signal
- Assign
- Sullen
- Character from an ancient Germanic alphabet
- Colony insects
- Podium
- Frolic
- Scintilla
- Box lightly
- Thaw
- Singing pair

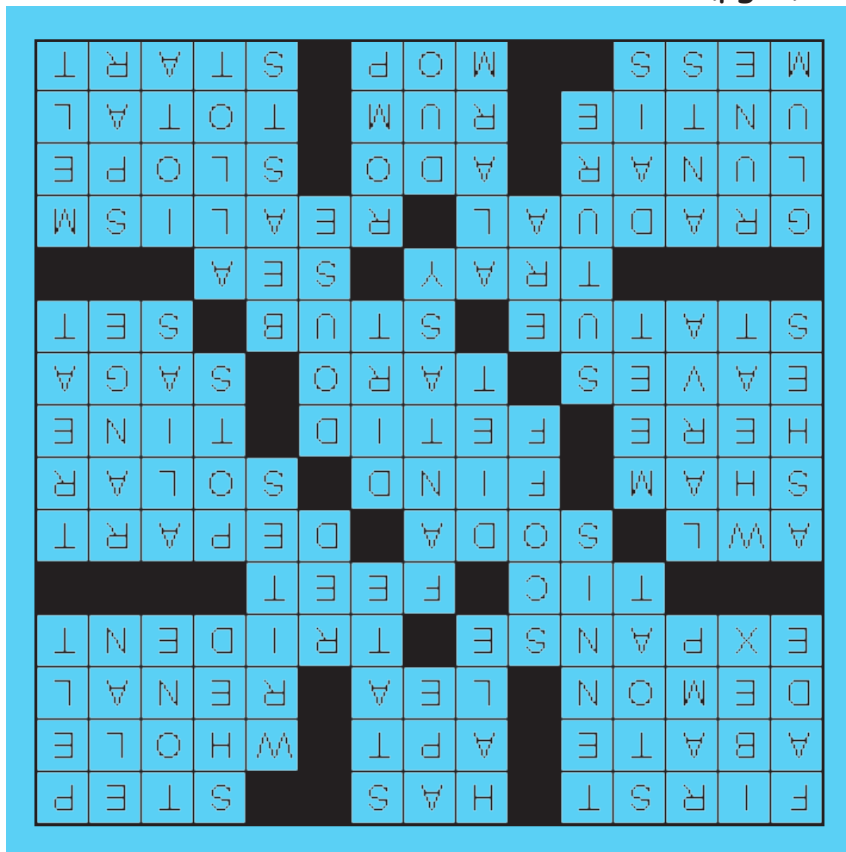
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CONSPIRACY THEORY

BY MARK CRIDEM

 <p>COMIC HORATIO SANZ</p>	<p>HORATIO</p> <p>HORATIO COMIC SANZ</p>	 <p>HORATIO SANZ COMIC</p>
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Answers to current crossword (pg 7)



-<http://puzzlechoice.com>

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