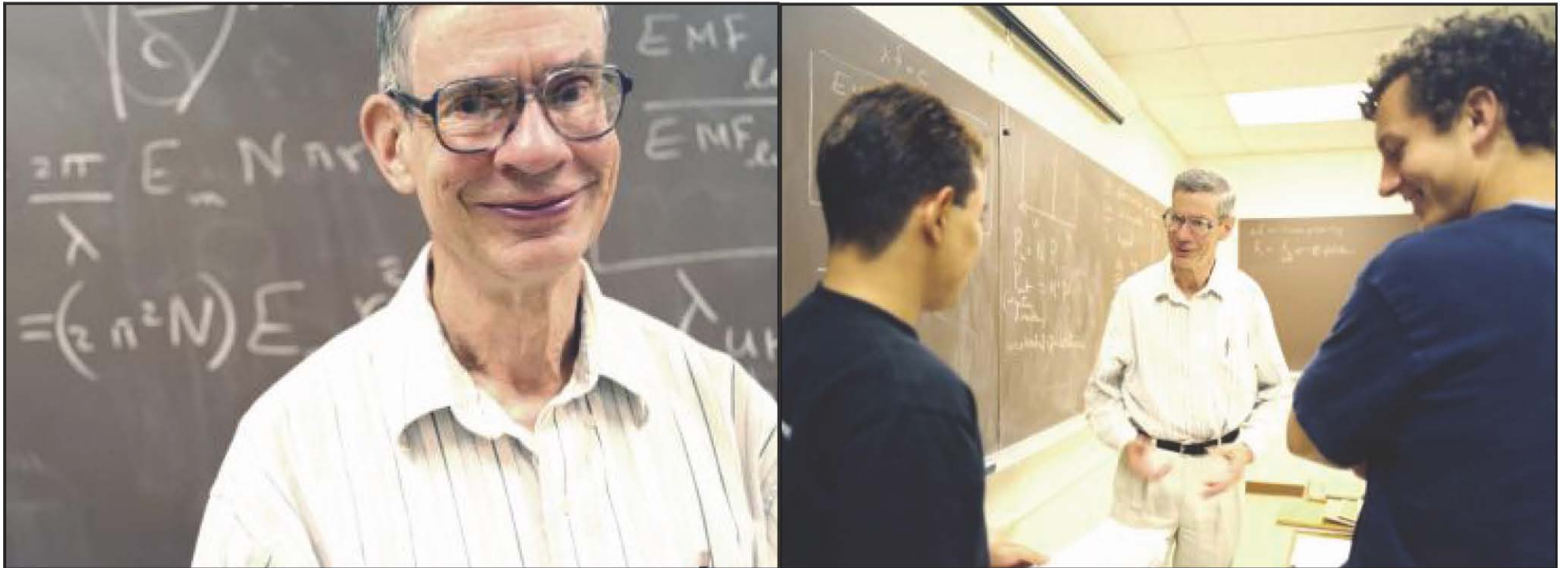




Theoretical Physicist Wins Feynman Teaching Prize



Professor Steven Frautschi is this year's awardee for the Feynman Prize for Excellence in Teaching.

-California Institute of Technology Archives

CYNTHIA ELLER
Caltech Science Writer

Steven C. Frautschi, professor of theoretical physics, emeritus, at Caltech, has been awarded the Richard P. Feynman Prize for Excellence in Teaching, which is Caltech's most prestigious teaching honor.

Named after Caltech physicist Richard P. Feynman, the prize is awarded annually to a Caltech professor "who demonstrates, in the broadest sense, unusual ability, creativity, and innovation in undergraduate and graduate classroom or laboratory teaching."

This is the first time the Feynman Prize has been awarded to an emeritus faculty member and also the first time it has been awarded to a teaching assistant.

Frautschi has won three ASCIT (Associated Students of the California Institute of Technology) teaching awards during his time at Caltech. Since his retirement from full-time teaching in 2006, Frautschi has continued on at Caltech as a teaching assistant for the freshman Physics 1 class in classical mechanics and electromagnetism. As Frautschi explains, "There is a long tradition of having at least some of the sections in freshman physics taught by Caltech professors. I've just stepped into that tradition. I love the material in basic physics and how it affects so many things in the world around us, and I like the continued contact with young people very much."

Caltech students are as enthusiastic about

Professor Frautschi as he is about teaching. Frautschi is credited by several students with pulling them through physics when they thought they would fail. Students describe Frautschi as "amazing," "awesome," and "beyond helpful." They enjoy his "use of uncommon real-world examples" along with his "awesome Converse shoes," and they say "learning from him is a blast." Others go even further. A biology major confesses, "I used to absolutely hate physics because I thought it was too difficult and useless, but Frautschi really clarified my understanding and sparked my interest in physics." Now, says this student, "I wouldn't be opposed to being a physics major solely because of him." Another student says simply, "I want to be like Professor Frautschi when I grow up."

Those are big shoes to fill. Frautschi, raised in Wisconsin, matriculated at Harvard when he was only 16 years old. "I had a wonderful time at Harvard," says

Frautschi. "To me it was like a large cookie jar full of wonderful goodies to dip into." He studied physics and math there but has fond memories of auditing classes in art history and geology as well. After college, Frautschi won a Harvard fellowship to spend a year traveling through the Near East and Europe, where he enjoyed "a great many operas among other things." Graduate school followed at Stanford University, where Frautschi concluded that theory, rather than experiment, would be his forte in physics. After Stanford, Frautschi pursued postdoctoral fellowships at the Hideki Yukawa Institute for Theoretical Physics in Kyoto and at UC Berkeley.

Frautschi's eventual move to Caltech was initiated when Murray Gell-Mann (later a Nobel Prize winner and now the Robert Andrews Millikan Professor of Theoretical Physics, Emeritus) visited Berkeley in 1961, just as Frautschi's postdoctoral work on strongly interacting particles

was concluding. As Frautschi remembers it, "One evening at home, I got a phone call from one of the other postdocs. He said, 'You must come to the radiation laboratory tomorrow, because Gell-Mann is asking questions, and we can't answer them.'" Fortunately, Frautschi had been considering the problems Gell-Mann asked about, and the two ended up collaborating while Frautschi began an assistant professorship at Cornell University. Within the year, Frautschi was invited to join the faculty at Caltech.

"At that time, Feynman and Gell-Mann were active, and there were wonderful students also, so coming to Caltech was a very attractive opportunity," says Frautschi. Frautschi actually knew the prize's namesake personally and had the opportunity to watch him teach.

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Helping readers burst out of the Caltech bubble

Need to know

< **100** words about the world this week – topics sorted from good to bad

by *The Tech Eds*

US places 2nd at Sochi	28 medals total, 2nd behind Russia at 33; 9 gold, 7 silver, 12 bronze [CNN]
Baby born on street	39 -year-old British woman gives birth while hailing taxi to hospital [BBC]
UK murderers sentenced	45 years, and life sentence for the murderers of UK soldier Lee Rigby [CNN]
Heavy rains in So. Cal	6 inches of rain by Saturday, causing mudslides after severe drought [CNN]
Tensions rise in Crimea	15,000 Russian troops estimated to occupy the Ukrainian province [CNN]
Pistorius trial Monday	15 or more years of prison for Oscar Pistorius, life sentence possible [CNN]
Phil Hoffman death ID'ed	3 others arrested in connection, drug mixture ID'ed as cause of death [CNN]

Food with Mannion!

*Do you like eating food?
How about free food at nice restaurants?
Ever want to tell the world exactly what you think of said food?
The Tech will be beginning a new column to chronicle the foodie experiences of new writers every other week... The Catch: They'll be going head-to-head with Tom Mannion who will be reviewing the same restaurant. If you have ever thought you were more of a gourmand than our resident master chef, now's your chance to prove it!
Email us for a spot on the list at tech@caltech.edu*

The California Tech

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

Write articles for the Tech

get paid up to \$30

ASCIT Minutes

ASCIT Board of Directors Meeting

Minutes for February 18, 2014. Taken by Catherine Jamshidi

Officers Present: Connor Coley, Catherine Jamshidi, Connie Hsueh, Michelle Tang, Zach Rivkin, Monica Enlow, Malvika Verma

Guests: Connor Rosen, Patrick Nikong, Ellora Sarkar, Elliot Simon, Chris Dosen

Call to Order: 10:05 pm

President's Report (Zach):

- There will be afternoon tea at 3pm on Sunday, March 2nd to meet the current Board of Directors at Tom Mannion's house. Prospective ASCIT candidates should attend to learn more about the various positions.

Officer's Reports:

- **V.P. of Academic Affairs (ARC Chair: Malvika):**
 - The Collaboration Policy Checklist was distributed through Division Chairs. No word yet on how it's been received.
 - The recommendations ARC + UASH made with regard to the academic eligibility proposal will be used to revise Dean Kiewiet's proposal
 - The ARC is working to change due times for core classes to reduce the pressure to pull all-nighters (for example, Ma la due Monday at 10am encourages Sunday all-nighters)
 - The first Dinner with a Prof will be Feb. 27th with Professor Alan Weinstein. Students are encouraged to sign up for the lottery spots.
- **V.P. of Non-Academic Affairs (IHC Chair: Connor):**
 - The Bechtel memo, which had been sent to President-elect Rosenbaum, was also sent to a trustee on the Student Experience Committee
 - Zach and I are working on a fire safety/education program in conjunction with Safety. Details TBD.
 - Congratulations to Erin Evans, our newest IHC member!
- **Director of Operations (Connie):**
 - Join the Little t team! If you're interested in contributing to next year's Little t, we would love for you to join us. Email operations@donut.caltech.edu
 - The Take a Prof/TA to Lunch program is ongoing – email operations@donut.caltech.edu if you want to take your professor or grad TA to lunch!
- **Treasurer (Monica):**
 - Nothing to report this week.
- **Social Director (Michelle):**
 - If you want to join the Executive Social Committee, please contact Michelle Tang at mtang@caltech.edu
 - There is a movie screening of Josh, directed by a Caltech alum, on Friday, 2/28, at 7:30pm in Baxter.
 - Be a Kid Again will take place on Sunday, 3/2, at 7pm at Tom Mannion's house.
 - Dabney and Ruddock Interhouses are in the upcoming weekends.
 - A formal will likely take place third term
- **Secretary (Cat):**
 - Gathering elections results from the houses to update donut.
 - The new IHC photos are up!
 - The remaining Student Experience Town Halls are as follows:

Ricketts	March 1	1:00 pm	Ricketts Dining Hall
Ruddock	March 1	3:00 pm	Ruddock Dining Hall
Dabney	March 8	2:00 pm	Dabney Dining Hall

 - Come to a BoD Meeting! Tuesdays at 10pm in SAC15. Guests are always welcome.

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: 11:27 pm

Caltech Y Column: Look out for new events

PHOEBE ANN LAURA SANTOSO
Contributing Writers

Hi everyone! This is the Caltech Y Column, designed to inform you about the Y and the opportunities we provide for you to inspire your passions, whether by participating in our programs or leading your own!

Founded by students in 1916, the Y was organized to provide extracurricular activities planned and implemented by students as an opportunity to gain leadership skills and discover their passions and 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, and raise social, ethical, and cultural awareness through teamwork, community engagement, activism, and leadership.

The Caltech Y's mission and core values stand on five key pillars: leadership, civic engagement, service, adventure, and perspective. Regardless of which pillars capture your interest, feel free to attend any of the below programs, or contact us to organize your own!

Upcoming events:

1. Caltech Y Advocating Change Together (ACT) Award

Information and Applications available at www.caltechY.org | Applications Due March 7th by 5pm

Tackle homelessness, capital punishment, HIV/AIDS, immigration, poverty, or any challenge you choose – it is your opportunity to ACT! The Caltech Y ACT Award, made possible through the generous support of the Caltech Employees Federal Credit Union, offers students an opportunity to pursue and interest in community service or advocacy.

Partner with an organization that is changing the world. Explore real world issues in our local community, across the nation, or

around the globe – and make a difference in the world. The \$4,500 Caltech Y ACT Award offers you an opportunity to explore an issue, engage in a cause, and lead a campaign to educate and engage others. You determine the cause you want to address and the organization you want to partner with, and the programs you will lead on campus. Visit www.caltechY.org for applications and more information.

2. Research and the Outside World: A Discussion with Prof. Harry Atwater – Caltech Y Science Policy Series

Wednesday | March 12th | 12:00 noon to 1:30 pm | Hill Annex | Lunch is Provided (priority given to students) RSVP Required

Harry Atwater is a Howard Hughes Professor of Applied Physics and Materials Science at Caltech researching photovoltaics as well as optics and plasmonics. Professor Atwater co-founded and served as a technical founder of Alta Devices, whose devices currently hold the record for single-junction solar cell efficiency, and Caelux Corporation, which pioneered microwire solar technology. He has also served extensively as a consultant for both industry and government.

In this discussion-based seminar, Professor Atwater will give insights into these experiences of transitioning research ideas to the real world, as well as working with non-academic institutions on technical issues and instituting change. He will also consider the opportunities and challenges for solar energy in the future. The Science Policy Series was made possible with generous support from the George Housner Fund. Please RSVP for this exciting event at caltechY.org.

3. Book of Mormon – Caltech Y Explore LA Series

Sunday | April 13 | 1:00 – 4:00 pm | Hollywood Pantages

Theater | Transportation is NOT provided | Sales begin 12:00 Noon, Wednesday, March 5 at the Caltech Y.

“THE BEST MUSICAL OF THIS CENTURY”

Ben Brantley, THE NEW YORK TIMES

THE BOOK OF MORMON is the winner of nine Tony Awards, including Best Musical. THE BOOK OF MORMON features book, music and lyrics by Trey Parker, Robert Lopez and Matt Stone. Parker and Stone are the four-time Emmy Award-winning creators of the landmark animated series, “South Park.” Tony Award-winner Lopez is co-creator of the long-running hit musical comedy, Avenue Q. The musical is choreographed by Tony Award-winner Casey Nicholaw (Monty Python’s Spamalot, The Drowsy Chaperone) and is directed by Nicholaw and Parker.

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 with generous support from the Master of Student Houses. The Caltech Y is located in the Tyson House 505 South Wilson (Bldg. 128).

For questions, email Phoebe Ann at pann@caltech.edu or Peter Hung at peterh@caltech.edu

4. Pasadena LEARNS Tutoring Wednesday and Friday Weekly | 3:00 - 5:00 pm | Madison Elementary School | Pasadena

Come volunteer at Madison Elementary School! We are partnered with the Pasadena LEARNS program at Madison and work with their Science Olympiad teams on Wednesdays and do regular tutoring on Fridays along

with occasional hands-on science experiments. We volunteer from 3 to 5 PM on Wednesdays and Fridays. Volunteers should be willing to commit to one visit per week. Transportation is provided. For more information and to RSVP, contact vkumar@caltech.edu.

If you have any questions at all, feel free to contact the Caltech Y at (626) 395-6163 or caltechy@caltech.edu. Feel free to drop by at one of our weekly meetings at the Caltech Y at the Caltech Y (505 S. Wilson, next to CEFCU), time TBA.

Go to <http://caltechy.org/lists/> to self-subscribe to announcement lists for upcoming events and sign-up information.

For a student's perspective, feel free to contact Phoebe Ann at phoebe.ann2@gmail.com or Laura Santoso at santoso.laura@gmail.com.

Send in your

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**to totem@caltech.edu
by March 17th
for your work to be featured in**

Totem

Caltech's Literary and Visual Arts Magazine

*images must be at least 300dpi

Professor Frautschi awarded Feynman Prize

CYNTHIA ELLER
Caltech Science Writer

Continued from pg. 1

Frautschi remembers attending a graduate course Feynman taught on the quantum theory of gravity during the 1960s; he also remembers Feynman's “famous sessions with the undergrads, where he would entertain any question whatsoever. This was utterly remarkable to me. I've never heard of another professor who did this. The students regarded Feynman as their patron saint at Caltech, and the reputation is quite deserved.”

Frautschi's reputation as a teacher is equally well deserved.

In addition to his current work as a teaching assistant and his regular teaching commitments over the years, Frautschi participated in Caltech's 52-episode television course The Mechanical Universe, prepared in the 1980s by David Goodstein, the Frank J. Gilloon Distinguished Teaching and Service Professor, Emeritus. Frautschi is lead author of the textbook of the same title that is still in use today for freshman physics courses at Caltech.

Frautschi's love of opera, discovered while traveling in Europe in his early 20s, was another experience he shared with his students at Caltech, especially during his tenure as Master of Student Houses from 1997 to 2002.

“With a boost from Beverly Sills in New York, it had become standard to put supertitles above the stage during the opera so that you could actually follow what's going on, line by line. I thought we'd get just a few students the first time I set up a trip to the opera,” says Frautschi, “but we've had up to 40 at times.” Since the construction of Walt Disney Concert Hall, Frautschi takes it upon himself to regularly escort Caltech students to concerts there.

Frautschi and his wife, Mie, are both music lovers, and they raised two daughters who became professional violinists. They purchased a condo in Aspen, Colorado, at first to be near the Aspen Center for Physics, and later for their daughters to be near

the Aspen Music Festival. They have since donated their condo to Caltech to fund rehearsal space for Caltech's band and orchestra on the second floor of the Winnett Center as part of the larger renovation project for this building.

As the official citation for the Feynman Prize states, “anyone familiar with Steven knows his recent work in Physics 1 is just the latest stage” in what has been a long history of “passion for teaching and service to student life. He set these priorities long ago and has maintained a level of focus and energy that is astonishing.”

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 Paul Asimov, professor of geology and geochemistry; Morgan Kousser, the William R. Kenan, Jr., Professor of History and Social Science; and Dennis Dougherty, the George Grant Hoag Professor of Chemistry.

Nominations for next year's Feynman Prize for Excellence in Teaching will be solicited in the fall. Further information about the prize can be found on the Provost's Office website.

- See more at: <http://www.caltech.edu/content/theoretical-physicist-wins-feynman-prize-excellence-teaching#sthash.NNAb151J.dpuf>

Interhouse Committee Chair (2)

CONNOR ROSEN
IHC Chair Candidate

The IHC deals with all aspects of non-academic student life at Caltech. First and foremost among these is Rotation, followed by those issues particularly affecting housing, dining, prefrish, and campus-wide issues regarding the House system. However, the IHC Chair also handles responsibilities related to the Honor Code, student life, and all roles of student government through their seat on the ASCIT BoD. Having served on the IHC for the past year, I know the responsibilities and duties of the Chair, and I am confident that I can meet any challenges that arise.

I know the importance of the House system, and the importance of Rotation. I was on picks the past two years, and presided over Ricketts' Rotation this past year - so I have seen many issues come up and be resolved. The previous IHC began discussing clarifications to the Rotation Rules, and the new IHC is continuing these discussions and implementing changes. I do believe in the importance of Rotation Rules and allowing prefrish the opportunity to form their own opinions of the Houses - however, ambiguity in the rules makes it difficult for current students to answer questions and give prefrish the information they need to make an informed, unbiased decision. I believe students should



be able to speak about what makes their own House the right place for them - and the Rotation Rules and our understanding of them should reflect that. I will continue to work with the new IHC to ensure that all students understand the rules and can help the prefrish make the best possible decisions before and during Rotation.

The previous and current IHCs have also been working on a number of housing policies over the past year - the removal of the five-dollar-per-day storage fee over the summer is one particularly recent example, although I can't claim credit for that decision. Nonetheless, I've been involved in the discussions and worked productively with many of the administrative decision makers (Anneila Sargent, Paul Asimow, and Peter Daily) on other issues. I will continue to work positively with Housing, Dining, and the rest of the administration to ensure student concerns are conveyed and taken into account before decisions affecting students are made.

The new Bechtel residence is also on the horizon. It is my belief that Bechtel being designated as all-frosh housing will be irreparably damaging to the House system and undergraduate life as a whole. The previous IHC communicated with President-Elect Rosenbaum to convey these concerns, and he

will make sure that Rotation runs as well as it did this past year. One tweak I would push for is changing dessert nights back into lunches so that upperclassmen have free time during Rotation. Rotation shouldn't be an all-night chore.

Another responsibility of the IHC Chair is communicating between non-academic administrators (such as Housing, Dining, and the Undergraduate Deans' Office) and students. From a student's life perspective, this is the most important job as it most directly affects our quality of life. Here the IHC Chair plays an especially delicate role. She/he must negotiate, carefully and holistically, with administrators over changes to student policy, working tirelessly to protect the students' interests while avoiding antagonizing the administrators so much that they ignore you. Here, I think I can make the most difference

as I have worked with administrators from the Athletics Office to the Development Office to acquire funds and necessary equipment for the Caltech Robotics Team. I want to work with the administration to make sure that my next year here is the best it can possibly be.



DAVID FLICKER
IHC Chair Candidate

The IHC Chair is one of the most important undergraduate representatives on campus, ambassador of the houses to the wider Caltech community, especially the administration. The chair must temper his/her desire to help and protect undergraduate student life with the recognition that compromises are necessary to get anything done. I would love the opportunity to bring your voice to the Deans' Office and beyond.

What exactly does the IHC Chair do besides making sure no one breaks Rotation rules? The largest single project is running Rotation, from planning dinner and lunch schedules to the actual sorting process. Rotation is the worst method of sorting frosh except for all those others that have been tried and so I will make sure that Rotation is protected and maintained. The chair must balance the needs of the different houses and make sure that the long, involved process that we love goes as smoothly and efficiently as possible. I

expressed a willingness to work with students when he arrives before making a decision regarding Bechtel. As IHC Chair, I would be in the position to explain to the new President the importance of the House system, the vast contributions it makes to student life, and how all-frosh housing would cripple that system. Additionally, in my role as representative to the Student Experience Committee of the Board of Trustees, I have the opportunity to discuss with the Trustees of Caltech the concerns of students and issues facing student life, including the future of the Bechtel residence, and express to them as well the damage all-frosh housing would cause to student life. My tenure on the IHC began in the worst circumstances imaginable - I was appointed president of a disbanded House and asked to bring it into a new year. I worked tirelessly to keep Ricketts together, to guarantee Rotation, and to bring a frosh class into a House that they could love and be supported by. With the help of the previous IHC and those around me in Ricketts, I succeeded.

Now, with a new President, a new Dean, and a new MOSH all due next year, I believe the IHC has the chance to make Caltech better, to improve student life, and to support the Houses more strongly than ever - and that I am the best candidate to lead the IHC into the coming year, with all the opportunities it offers. Please, don't hesitate to contact me (crosen@caltech.edu, or find me in person) if you have anything to say or anything you want to ask me. Thank you, and I look forward to the opportunity to serve as IHC Chair.

What exactly would I want to work with the administration to accomplish? My overarching goal is to maintain the spirit of self-governance and personal responsibility at Caltech. The biggest factor that makes the Caltech undergraduate experience unique is, through the numerous committees, house leadership, and ASCIT, the ability to change Caltech to make it suit our interests and needs. Undergraduates can improve what they eat (Food Reps), they study (ARC), and they live (Houses). We are allowed to determine who has broken our Honor Code for academic (BoC), and non-academic (CRC) offenses. To that end, as IHC Chair, I want to make sure that decisions that affect student life, especially house life, are made with student input. I will work tirelessly to protect the Techer's right to be judged by his/her peers and not just the Deans. The houses for many Techers are their family, best friends, and support system and so I will impress on the administration that punishing a house doesn't merely affect someone's social life but their mental health and ability to bear Caltech's large academic load.

I am willing and able to take on the role of IHC Chair to present your voice to the administration and protect our right to choose what is best for us. I am ready to serve all of you to the best of my ability. Thank you for your support.

CRC Co-Chair (1)

GRACE LEISHMAN
CRC Co-Chair Candidate

People do stupid things. If you ask me, I can provide you with an entire list of stupid things that I've done in that past week alone. But those stupid things don't define me, and your stupid mistakes shouldn't define you either. In fact, I think that's one of the great things about the CRC. The committee has a genuine intent to keep students happy, safe, and successful at Caltech, without letting their slip-ups define their path.

As CRC co-chair, I hope to serve as an advocate for my peers and their respective goals. My main mission will be to ensure that fellow Techers feel respected, supported, and understood. Isn't that why we have undergraduates



on this committee? People getting "CRCed" need to know that they can count on a nonjudgmental peer that will represent student interests and perspectives, while of course keeping in mind the safety of the Caltech community as a whole.

After serving as Fleming's CRC representative for a year, I've gained much experience in determining what's fair and reasonable to expect from fellow undergraduates. I've developed relationships with Dean Nye and other faculty representatives, and believe my recommendations are well respected within the committee.

I want Techers to be happy and safe and have the opportunity to continue their amazing work on campus. For these reasons, I hope to represent the student body as CRC co-chair.

BoC Chair (1 candidate)

ALEX HARTZ
BoC Chair Candidate

Fellow students,

I am pleased to announce my candidacy for Board of Control Chair. In my time here at Caltech, I have learned to appreciate the special community that our Honor Code creates. The Honor Code establishes many freedoms for Caltech undergraduates which differentiate our student experience from that of other institutions. I believe that these qualities are worth protecting, and as such, I would like to continue my service on the Board of Control as its Chair.

For the past two terms, I have served as one of the two Co-Secretaries of the Board of Control. In this time, I have worked diligently to ensure that the Board of Control operates fairly, consistently, and efficiently. In this capacity, I regularly interact with students, administrators, and faculty to ensure that the Honor Code is implemented effectively across Caltech. Furthermore, I have also served as the Acting Chair for several Board of Control investigations. All of these experiences, from developing relationships with administrators to active case work, make me a highly qualified candidate for the position of Board of Control Chair.

In addition to serving on the Board of Control, I am also very involved in campus-wide discussions concerning the Honor Code. I am one of three

undergraduate representatives to the Ad Hoc Honor Code Committee, a subcommittee of the Faculty Board which is tasked with evaluating how the Honor Code is currently implemented with regards to academics. Additionally, I am one of nine students on the Undergraduate Honor Code Committee, which is tasked with gathering and representing student opinion on the academic aspects of the Honor Code.

In both of these positions, I strive to protect student interests by maintaining the freedoms that the Honor Code affords us all.

I look forward to serving the Caltech community as the Board of Control Chair for the next year. Please feel free to contact me at ahartz@caltech.edu or find me in person if you have any questions about my candidacy or if you have general comments about the Honor Code itself.



STATEMENTS

Board of Control Secretary (3 candidates)

PAUL DIETERLE BoC Secretary Candidate

Caltech Students,

I am running for Board of Control Secretary and would appreciate your vote. In my time as an Avery House Representative, I have learned a lot about student life at Caltech and how the Honor Code functions. I have regular conversations with members of my house who seek clarification regarding the Honor Code and



plan on making myself available at all times to all of campus via email

(pauldieterle@gmail.com) and in-person appointments (TBA by email).

My experience on the Board is not limited to sitting cases as a rep. I have served as acting secretary for multiple cases and understand the workload therein. As secretary, I would accept this workload. I would work to ensure the student body understands collaboration policies, has an open communication line with the Board, and is generally in compliance with the Honor Code. I have a great rapport with the

deans, which allows for a steady communication line between students and the administration.

In my time at Caltech, I have realized that most Honor Code violations have their origin in stress and course policy misunderstandings. I understand that students rarely act maliciously when they break the Honor Code, and I strive to convey this message to the administration and faculty such that we can continue to enjoy the privileges afforded to us by the Institute. In principle, the Honor

Code benefits the students, the faculty, and the administration. My goal as BoC Secretary is to ensure that all three parties are on the same page such that student interests and institutional integrity are protected.

Any comments or questions (in person or through email) about the Board, the Honor Code, or my candidacy are gratefully appreciated.

Sincerely,
Paul Dieterle

ELLY SHAO BoC Secretary Candidate

Hello, I'm Elly Shao, and I'd like to be one of your secretaries of the Board of Control. The Honor Code is a unique feature of the Caltech community that grants us students a great deal of flexibility to make our own choices.

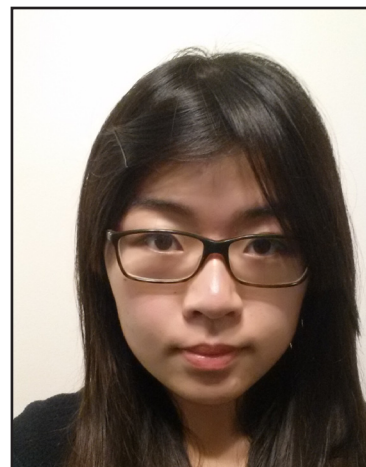
I like the freedom that comes with being trusted to do the right thing. Where else would I be trusted to take exams in my

pajamas in the middle of the night, instead of under the watchful eye of a proctor?

However, to paraphrase Spiderman, "with great freedom comes great responsibility," and it is our responsibility as the student body to do the right thing and uphold the Honor Code. A system based on trust is easy to take advantage of, and the Board of Control exists to protect the community from these unfair advantages.

A great deal of faith is placed in the student body by letting us deal with our own Honor Code violations through the Board of Control. Every time someone abuses the Honor Code, some amount of trust in its efficacy is broken.

The BoC mitigates some damage from each violation by nullifying the unfair advantage gained and preventing future violations, but we can't completely unbreak trust. It is up to us as a



community to demonstrate that we are trustworthy and that the Honor System works.

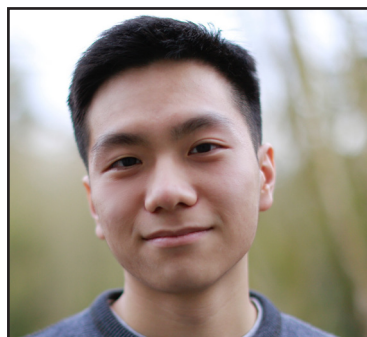
From my experiences as a representative on the Board over the past year, I believe I am qualified to serve as your BoC secretary. I have reviewed many cases, and acted as secretary for a few. I appreciate how much work is required of a BoC secretary, and this is a major commitment of time and effort that I am willing to make.

JIHOON LEE BoC Secretary Candidate

Hello everyone,

Every day around Caltech, I see a concrete implementation of the Honor Code, carefully watched over by the BoC. As a student who greatly values the Honor

Code as a unique and great part of studying and living at Caltech, I served as the Off-Campus BoC representative over the past year, learning the various details and inner workings of the committee. Now, I would like to help contribute towards its continued effective implementation as a secretary. As your BoC Secretary, I will do my



best to help keep and improve the BoC as a fair, effective, and efficient organization. I will stay close to you, supporting you as a fellow student and undergraduate community member, of course meticulously upholding the standards of the Honor Code at the same time. I will enthusiastically work with others in the board to

offer a uniform and fair handling of cases, while at the same time ensuring speedy trial. I understand that the position does take quite a bit of work and time, and am fully confident of my ability to keep this job as a core part of my life here as a BoC secretary.

Thank you,
Jihoon Lee

The California Tech Editors (2 candidate groups)

ALEX BALL NEELAY FRUITWALA CHRIS DOSEN BIANCA RAY AVALANI Tech Editors Candidates

In running for a position like Tech Editor, there are two mentalities that one can have: focus on the job at hand, or lay a foundation for days to come. We are Alex Ball, Neelay Fruitwala, Chris Dosen, and Bianca Ray Avalani, and we are dedicated not only to improving the Tech, but also to making sure that we



build a stable framework for the future. We believe that the best way to generate good content is to build a community that wants to produce it. We will actively solicit content and feedback. We plan to do this by creating feedback forms,

holding weekly meetings outside of Chandler, and actively recruiting staff members, both permanent and ad hoc. We promise to put quality over quantity; we will not enlarge advertisements or quotes for the sole purpose of filling up

a page. We will carefully review all aspects of the Tech to ensure journalistic excellence. We will present the Tech in a clearer layout, and we will incorporate any and all reader feedback in this process. We believe in reaching out to the

community to keep Techers informed about events both on and off campus. We will incorporate features, opinions, and interviews about subjects Techers care about. We plan to update the website to include puzzle answers, movie/book reviews, and an article submission form for those people who are not able to contact us directly. We believe that through these methods, and many more, we can make the Tech into a quality newspaper.

MONICA ENLOW ALEX HSU LIZ LAWLER NEERA SHAH NEHALY SHAH Tech Editors Candidates

Neera and Nehaly have 6 years of journalism experience as article writers, copy editors, layout editors, and business managers. Alex has both photography and layout experience since middle school and is a consistent contributor to *The California Tech* with articles and photos. The three of them have been working consistently on the paper for the past year and have the experience necessary to run the paper next year. Liz is proficient in web design, website management,

and publishing. Monica has 8 years of publication experience including layouts, copy editing, staff management, and online marketing.

As a group, we will distribute weekly issues of *The California Tech* and ensure that the students' voices are heard. We have been actively recruiting new contributors and publish the opinions and document the experiences of students on campus. Over the past year we have increased our staff size and worked with the



advisor in an effort to improve the quality of the paper. In an effort to improve the quality, we will also increase recurring features and different styles of articles. A major project for the upcoming year will

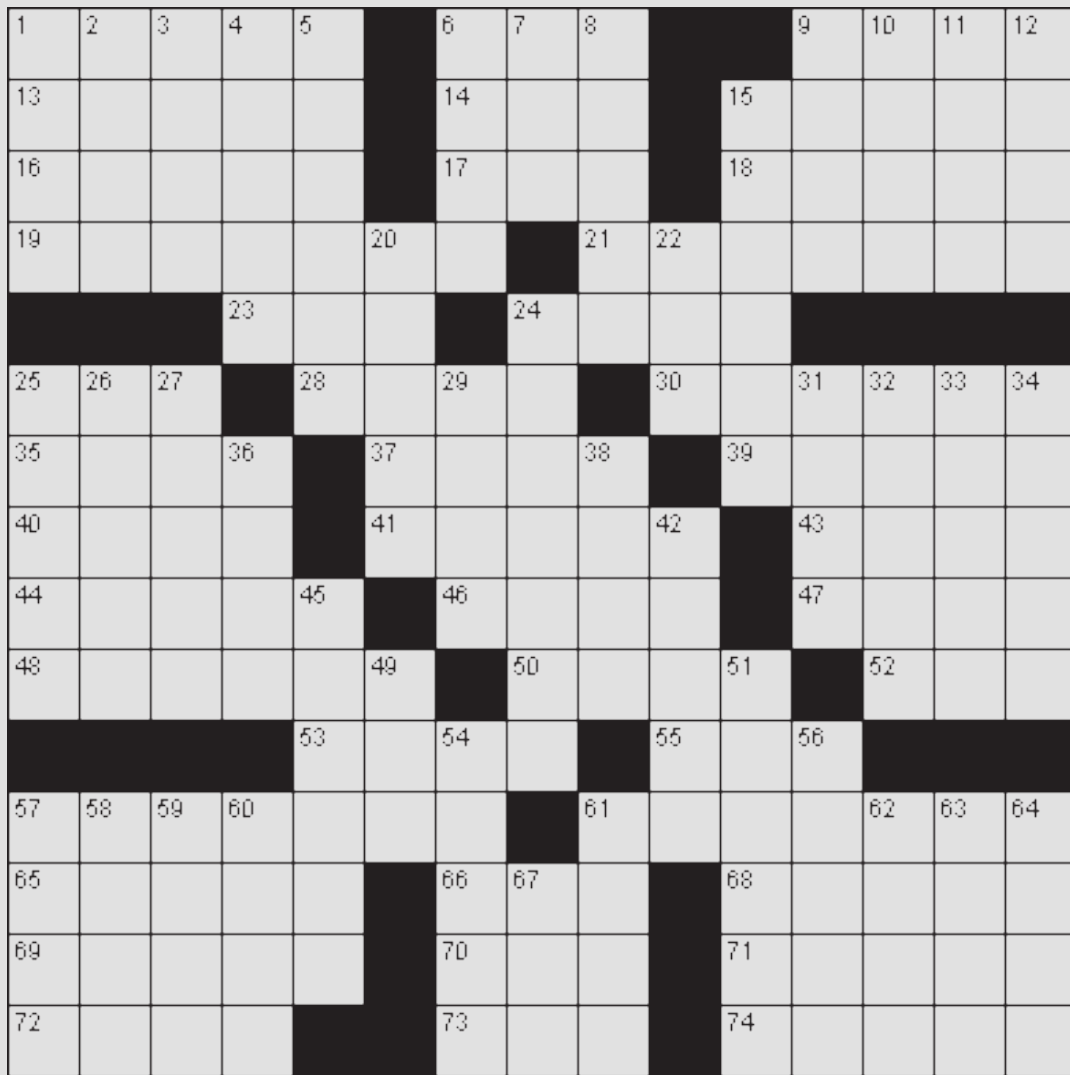
be to increase the online presence of the *Tech*. Currently the website is down, and our goal is to redesign and launch the website. In addition to the website, we would like to start a Facebook page and potentially other social media accounts in order to engage the student body.

In the next year, we will cover even more student and faculty events on campus, so that students

can be well informed and have access to information about getting involved with new activities or pursuing new interests. We are committed to maintaining the professionalism of *The California Tech* and upholding the standards of a college newspaper.

We are all committed to improving *The California Tech* for the upcoming year. With the support of the staff we have put together, we will be able to continue publishing weekly issues with content relevant to students in addition to expanding the *Tech's* readership. We want to continue to encourage student involvement with the publication and are always open to student feedback and new contributions.

Today's Puzzle: Crossword



[www.puzzlechoice.com]

- Across**
1. Mark or grade
 6. Felt cap
 9. Junk email
 13. Gathering of witches
 14. Anger
 15. Solitary
 16. Conform
 17. Workplace for scientific research
 18. Beauty parlor
 19. Liberate
 21. Reply
 23. Illuminated
 24. Equivalent
 25. Pouch
 28. Jump
 30. Reveal a hidden identity
 35. Front part of a vessel
 37. Zealous
 39. One of the senses
 40. Chills and fever
 41. Durable fabric
 43. Region
 44. Sweet carbonated drink
 46. Rant
 47. Military vehicle
 48. Ensnare
 50. Record of golf score
 52. Hawaiian garland
 53. Pulp
 55. Drink flavored with juniper berries
 57. Offspring
 61. Indefinite number but not many
 65. Large internal organ
 66. Regret
 68. Conjure up
 69. Drama set to music
 70. Employ
 71. Reddish brown
 72. Limited period of time
 73. Standard number of strokes for each hole in golf
 74. Tendency
- Down**
1. Evidence of past injury
 2. Set of rules, principles or law
 3. Ellipse
 4. Repulse
 5. Involve
 6. Steel hand tool
 7. Epoch
 8. African equine
 9. Hit with something flat
 10. Field game
 11. Pulpy tropical fruit
 12. Repair
 15. Acquiesce
 20. Lieu
 22. Large flightless bird
 24. Dark green leaves eaten cooked or raw
 25. Surge
 26. Inert gas
 27. Enumerate
 29. Assert
 31. Castle fortification filled with water
 32. Relating to hearing
 33. Subdivision of the act of a play
 34. Cloth used for military uniforms
 36. Low dam
 38. Prima donna
 42. Combine
 45. Photographic equipment
 49. Play on words
 51. Reduce or dispose of
 54. Thick sweet sticky liquid
 56. Not at any time
 57. Storyline
 58. Mature
 59. Concluded
 60. Microbe
 61. Oracle
 62. Catch with a lasso
 63. Related in quality or character
 64. Heavy metallic element
 67. Country, initially

Answers to crossword puzzle from puzzlechoice.com



Counseling Center Announces Emotional Intelligence Workshop Series

The Caltech counseling center is proud to announce our fifth annual Emotional Intelligence Workshop Series. We've designed an exciting series of workshops to help you understand your emotional life better, to improve your relationships, and to help you make smarter choices. Here's what's in store:

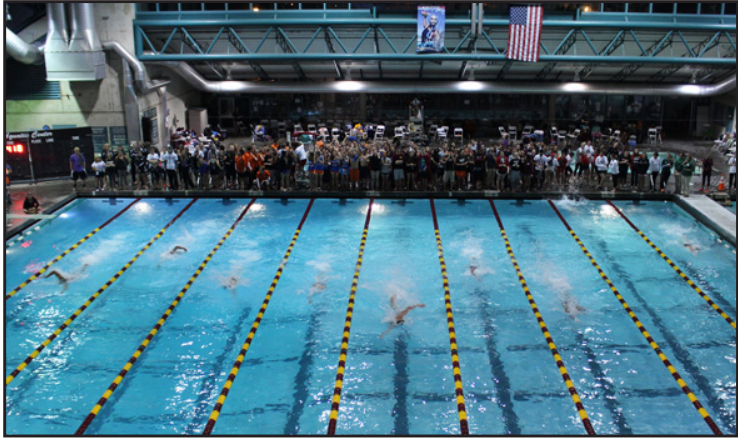
- Tuesday, March 4th: Reading the Emotions of Others, presented by Maria Y, Oh, Ph.D., and Wendy Lopata, LCSW. This fun and exciting workshop will help you get even better at understanding how other people are probably feeling. We'll use examples from real life and from videos to help you build some of these valuable skills. This workshop was originally scheduled for February 18th and has been rescheduled to March 4th. All workshops are in the Winnett Lounge and run from 12:00 - 1:00. Free lunch is provided!

Beavers end swim season with SCIAC Championships

GoCaltech

The Beavers swimming and diving season came to a close this past weekend at the SCIAC Championships held at the Brenda Villa Aquatic Center.

Patrick Eck swam a stellar race in a deep 200 freestyle final as he qualified for the consolation final on Saturday night. The sophomore's time of 1:46.99 in the preliminary



-gocaltech.com

During the course of the three-day event there were several highlights and personal records worth mentioning.

Kevin Yu dropped his school time in the 100 butterfly during Saturday's consolation final competition.

The sophomore posted a time of 53.35, which bested his previous record of 53.67.

Yu also qualified for the consolation final in the 200 backstroke where he finished 16th overall in a time of 56.52.

In the 200 butterfly Yu's consolation final time of 2:00.56 was just .02 away from tying his school record.

Jacqueline Mashei-Lano dropped her school record in the 100 Butterfly. Her time during Saturday's preliminaries of 58.69 took .05 seconds after the record she set in 2012. The time placed her in the championships final on Saturday where she placed ninth.

round during the morning, pushed him into Saturday night the swim.

In the freestyle distance races two significant personal best times were had. CJ Culpepper posted a time of 17:50.14 in the 1650 to lower his previous best mark by a minute. Alexandra Iliac recorded a time of 5:59 in the 500. It was the first time she has gone under six-minutes in the event.

The men's 200 freestyle relay team of Eck, Leon Ding, Yu, and Chris Bradley came-up just 0.27 seconds short of breaking the 33-year old school record.

On the diving boards Ben Grabowski and Alex Place both advanced the final round of the three-meter diving competition where they placed seventh and ninth respectively. Grabowski also qualified for the final round in the one-meter where he recorded an eighth place finish.



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THE CALTECH COUNSELING CENTER IS LAUNCHING A NEW PROGRAM FOR STUDENTS:

There will now be evening drop-in hours for consultation on Monday and Wednesday evenings from 7-10pm. The slots will be divided in 30 minute segments and can either be signed up for in advance, or students can come and block off the time that they want by marking an "X" on the white board next to the time that works for them. They will be held on the 2nd floor of the CSS building in the health educator's office. Access will be through the stairwell on the south side of the building.

*Contact the Counseling Center if you have any questions.
(626) 395-8331*

LOST:

VIDEO CHIPS

(camera memory cards, about the size of a postage stamp)

Last seen at Caltech recycling center.

Many random videos and priceless family videos.

REWARD: \$1000

(About the cost of the chips).

If you don't have them but can help me track them down, \$500.

If you erased them or trashed them, please let me know.

CONTACT:

Steve: 858-442-4729
smcgibbons@gmail.com

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

tech.caltech.edu

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