

VOLUME CXXI NUMBER 23

PASADENA, CALIFORNIA

TECH@CALTECH.EDU

APRIL 23, 2018

Why the South Hovses Look Like an M.C. Escher Maze

AMULYA MOHAN

Contributing Writer

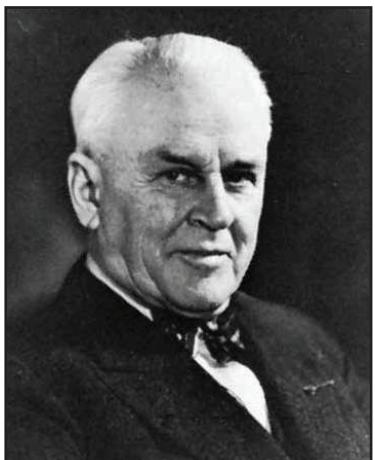
In my voracious appetite to learn all things Caltech history (and in particular House history), I have often been asked why I do not write down all the things I have learned about this place. Taking the time to compile everything I have learned would take nearly the same amount of time it took to learn it. However, in my most recent humanities class, I discovered something in the depths of the Caltech Archives: the true reason why the South Hovses' layout contains stairs in unusual places, confusing hallways, and a general maze-like layout. As this is novel knowledge about the Houses, I must bust a myth prevalent among upperclassmen.

When a frosh comes to Caltech's campus for the first time, they are undoubtedly perplexed by the strange maze of hallways and stairs that is the South Hovses. It is then that an upperclassman tells them the story of



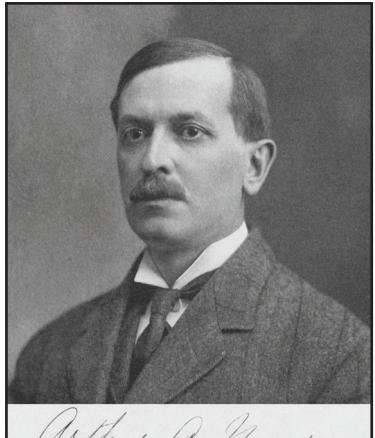
Gordon B. Kaufmann. Photo courtesy of Louis du Mort of findagrave.com.

how the Hovses' architect, Gordon Kaufmann, believed in gremlins that couldn't turn right or climb up stairs with an even numbers of steps. The story goes that he built the Hovses such that one could escape the gremlins, and was committed to an insane asylum not long after their construction. This story simply isn't true. There is no record of Kaufmann being committed to a mental institution of any kind. The real reason why the South Hovses have such a bizarre layout... is that Robert Millikan himself wanted it.



Robert A. Millikan. Photo courtesy of Caltech.

On March 21, 1928, the "Preliminary Report of Special Committee of Millikan, Noyes, and Munro," available in Folder 23 of Box 23 of the Robert Andrews Millikan Collection



Arthur A. Noyes. Photo courtesy of picturehistory.com.

in the Caltech Archives, laid the foundation for the modern dining hall setup, as well as the South Hovses' bizarre internal architecture. The report declares, "It is the committee's unanimous opinion that the educational values and implications to be derived from a system of small group residence and dining hall would fully justify the extra cost involved." In rejecting the solution of "mass-housing and mass-dining" which was "everywhere proving a failure," Millikan and his Executive Council recommended four residence halls of about 75 people each. This is why the Hovses have their own central dining halls. In addition, they suggested that the individual Hovses themselves "should be semi-divided by separate entries so that relatively small groups of undergraduates (say 25 or thereabouts) may be given opportunity for a reasonable amount of group intimacy." This explains the multiple entryways into the Hovses from the courtyards, and the bizarre

stairs and walls within the Hovses — they were built to keep these groups of 25 students by making the subgroups walk a little farther to reach one another. Kaufmann complied with the committee's recommendations the only way he could: by designing a complex maze of stairs, hallways, and walls.

Upon reading this, I realized that this explains everything unusual about the South Hovses' architecture. With this I hope that the record will be set straight and that no more upperclassmen will tell stories about mental asylums and gremlins.

Editors' Note: The South Hovses' architecture therefore is the result not of the crazed dreams of a schizophrenic, but of the whims of a eugenicist, our very own Robert A. Millikan. The myth itself is a result of the stigmatization of mental illness and of the overactive imaginations of Caltech undergrads.

The Caltech Dance Show: a Photoblast™©®



IN THIS ISSUE

EDITORIAL | PAGE 3
REFLECTIONS ON THE TECH THUS FAR

SKYmall | PAGE 4
CAFFEINATED WATER,
HOT COCOA, AND
PEANUT BUTTER

SPORTS | PAGE 5
WOMEN'S TENNIS
CAPS SEASON WITH
CONFERENCE WIN

HUMOR | PAGE 8
PRE FROSH WEEKEND
REPORT

ANNOUNCEMENTS

2

APRIL 23, 2018

THE CALIFORNIA TECH

ASCIT Minutes

Meetings are every week in SAC 13

ASCIT Board of Directors Meeting: VPSA

Minutes for April 18, 2018. Taken by Dana He.

Officers Present: Sakthi Vetrivel, Kavya Sreedhar, Sarah Crucilla, Sara Adams, Varun Shanker, Alice Zhai, Dana He

Guests: Kevin Gilmartin, Tom Mannion, Joe Shepherd

Call to Order: 12:10 PM

President's Report (Sakthi):

- Prefrosh Weekend: will start arriving Wednesday and leave Saturday. ASCRL released Tech article about how to approach prefrosh with regards to housing changes.
- Bylaws revisions: gender neutrality, Revcomm meeting changes, moving committee appointments from IHC to ASCIT.
- ASCIT elections: voting starts Monday, results out Wednesday. Newly elected BoD take office May 14th.
- Appointed new interim ASCIT Treasurer, Varun Shanker.

Officer's Reports:

V.P. of Academic Affairs (Kavya):

- Core Connections Panel- spoke about connections in core classes and what was useful for different options.
- TQFR Revamp proposals document finished.
- Core evaluation and revision proposal at a bit of a standstill.
- Would like to find a way to organize feedback from Student-Faculty Conference.
- Ph 2c course capture underway.
- Two student-faculty lunches happening soon.
- No one running for ARC Chair next year, so will have to appoint one.

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

- ACRL in the process of deciding frosh room allocations by April 25th. Has been talking to house presidents about how many rooms they will need.
- ACRL discussing critical mass of prefrosh in Bechtel and other houses vs. balancing prefrosh wants and needs. Enough upperclassmen living off-off to allow for flexibility.
- New Rotation rules for Prefrosh Weekend online: Includes Bechtel, new alcohol policy, and talking about past picks. Will re-evaluate after PFW to decide on rules for Rotation.
- New possible Rotation algorithm: penalty system. Prefrosh rank houses (multiple houses can have the same rank), and algorithm gives exponential penalty for moving down ranks. Running simulations with Antonio Rangel to see if this would work. Would make system less gameable to allow for transparency and is compatible with external factors such as house input.
- June 3rd is a good day for IHC retreat.
- IHC hosting open meeting on Sunday to get student feedback on Rotation Rules and frosh room allocations.

Director of Operations (Sara):

- Nothing to report.

Treasurer (Varun):

- Met with Bursar's and Big T, so Big T is now managing their own funds. Big T is now out of debt.

Social Director (Alice):

- ASCIT formal was last last Friday. Sold 300 tickets, attendance was 280-290, including 10 guests. Everything went pretty well. \$15,000 funding from MHF, \$15,000 from ASCIT, and \$6,000 from ticket sales.
- Escape room event happening this weekend. 42 spots available, 165 people signed up.

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: 12:56 pm



This week's recommended Tech usage after reading was brought to you by a dedicated reader. Photo courtesy of Irene Crowell.

ASCIT Minutes

Meetings are every week in SAC 13

ASCIT Board of Directors Meeting:

Minutes for April 22, 2018. Taken by Dana He.

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

Guests: David Berger, George Daghlian

Call to Order: 9:19 PM

President's Report (Sakthi):

- Prefrosh Weekend went well. Midnight pizza- need more pizza for future years.
- ACRL meeting tomorrow. April 25th will have numbers of frosh room allocations per house.
- Bechtel lottery numbers coming out tomorrow.
- ASCIT BoD elections tomorrow.
- Vote for ASCIT Bylaws tomorrow.

Officer's Reports:

V.P. of Academic Affairs (Kavya):

- ARC passed bylaw revisions: gender neutrality, clarified additional representatives, grammar mistakes.
- Ombuds training coming up.
- SFLs coming up soon.
- Thinking of retiring option fair to something more casual.
- Core proposal emailed.

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

- ACRL meeting coming up. Talked to house presidents to see what they want in terms of frosh room allocations.
- Had open meeting today to talk about Rotation Rule changes and frosh room allocations.
- May 1st will have updated Rotation Rules, likely with minor changes. A lot of push back about Bechtel inclusion and speaking more freely about admins. IHC doesn't want student body to pressure frosh into not choosing Bechtel.
- IHC looking to figure out Rotation.

Director of Operations (Sara):

- Nothing to report.

Treasurer (Varun):

- MEDLIFE Club hosting forum on cancer research. Requesting \$4,750 to livestream it and have food, venue, security, transportation, and housing for one of the guests. Currently have 41 people signed up, about half of which are undergraduate students. Has also applied to Housner fund, but has not heard back yet.
- Badminton Club requesting \$300 for using the gym for tournament. Request approved.
- Kevin Shu requesting additional \$1,900 for senior trip.

Social Director (Alice):

- Escape Room yesterday went well.

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.

Adjourned: 10:26 PM

ARC Minutes

Meetings are every week in SAC 13

ARC Meeting Minutes 4/22/18

Present: Kavya Sreedhar, Allison Tang, Alex Reeves, Matthew Zeitlin, Arushi Gupta, Michael Yao, Amrita Rhoads, Erika Salzman, Andrew Zhou, Alejandro Lopez, Sirisha Gudavalli, Alice Jin, Vibha Vijayakumar, Albert Nazeeri
Minutes submitted by: Allison Tang

Announcements

Ombuds Training is this Tuesday, April 24th, at 12pm in the CTLO (3rd Floor of CSS). There will be food!

Programming

Student-Faculty Lunches have been set for Monday, May 21st, and Tuesday, May 22nd
Option Fair: may be replaced in future years with an option-buddy mentoring system

The ARC moved to update its bylaws

- Clarified pronoun use
- Defined "additional representatives"
- Merged some sections for consistency.
- **PASSED 14-0**

The updated bylaws are posted on the ARC website.

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 SACB122 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

Come to ombuds training on Tuesday to learn how to handle student feedback and improve student-faculty communication!

EDITORIAL

THE CALIFORNIA TECH

APRIL 23, 2018

3

Reflections on the Tech Thus Far

SOPHIE PIAO

Editor-in-Chief

One evening, when I woke from troubled dreams, I found myself transformed in my bed into a monstrous Tech editor. Despite this, it would be far from honest to describe the past few weeks as a "KAFKA-ESQUE NIGHTMARE EXPERIENCE." In just two short weeks, I've learned an incredible amount about the Caltech community and what it means to create content for this particular demographic.

In our candidacy statement last term, we attacked the Tech as it was gleefully and without restraint. As joke candidates, we didn't expect to win, and it showed. We made promises we had no intention of ever needing to keep; painted the incumbent in a light that cast mocking, disrespectful shadows on ourselves; and

criticized aspects of the paper's production we didn't understand, because we didn't understand them. Frankly, we made absolutely no effort to do so until we had to.

We took over in a gust of confused hubris. How would we even get the printed papers to campus? Who read and cared about the sports section? Could we just print whatever the hell we felt like? I'm embarrassed to admit that we never put adequate, serious thought into answering these questions. And as we finally learned the answers, sitting in an uncomfortable circle of office chairs in the SAC room where Jon and Katherine walked us matter-of-factly through a list of details and responsibilities that spanned pages and pages, the discomfort that our bizarre victory had planted in my mind began to grow. The fact that these answers came from

members of the previous Tech team whose hard work we thoroughly disrespected was even more humbling. When we uploaded our first issue to the printer's website a week later, it gnawed at me still. The next day, listening to my friends and acquaintances talking about how they enjoyed reading it, the pride that filled me unexpectedly turned just as suddenly to shame.

The Tech was a flawed publication before it came into our hands. We can assert this because we never would have won otherwise. However, we can also say with certainty that, in our attempts to improve it, we've already made plenty of mistakes of our own. In our first issue, we neglected to include Actual Sports Content, instead covering the CS 2 Othello tournament. We now realize that both of these have a place in the Tech. To

continue accepting the help of members of the previous Tech team in creating and distributing a publication we can all take pride in with a clean conscience, we the editors-in-chief wish to apologize for the thoughtlessness with which we treated our predecessors.

That being said, I don't believe that deciding to take the content of the Tech in a very different direction is in itself anything for which we need to apologize. In fact, given the circumstances of the election, that appears to be exactly what we were elected to do. Still, we're not trying to make "Editors and Friends: The Newspaper," and we're not trying to out-compete the Torch. I certainly want to preserve the elements of the Tech that its readership values, even if they're things I personally don't understand. I want it to be more informative, accurate,

consistently-formatted, and stylish. But most of all, I want it to be something we can all look forward to coming out every week, which is something we learned very quickly we cannot make happen alone. Be the change you want to see in the Tech, and favor us with your aid in distributing worthwhile, student-guided content to our peers. We will repay you with our most serious efforts to make a newspaper in which you can be proudly published... and \$5-\$15 per content contribution.

Signed in concurrence by Amrita Rhoads, Milan Roberson, and Daniel Xu.

We are always willing to take feedback either at tech@caltech.edu or tech.caltech.edu.

Upcoming Events

EDITORS-IN-CHIEF

The Upcoming Events column serves to inform students of upcoming events. The list is compiled by the Editors-in-Chief from information available around campus.

World Fest Event: Intersectionality Explored

Tuesday, April 24th | 12 PM | Avery Library | CCD & ISP

Join the Caltech Center for Diversity and the International Student Programs Office in welcoming Fred Farina for a discussion about intersectionality of identity. Fred is chief innovation officer at the California Institute of Technology and executive director of Caltech's Office of Technology Transfer. His responsibilities include managing OTT's staff, evaluating inventions at Caltech and the Jet Propulsion Laboratory, supervising patent prosecution and portfolio management, negotiating licensing deals with industry, and fostering the creation of startup companies based on Caltech/JPL technologies. RSVP encouraged: <http://diversitycenter.caltech.edu/Rsvp>

We Were Never Taught to Teach: Knowing Better, Doing Better

Tuesday, April 24th | 4 PM | Beckman Institute Auditorium | CTLO

A talk by Shirley Malcom, Caltech Trustee, with introductory remarks by President Thomas F. Rosenbaum. Reception: 3:30-4:00 PM.

As students, many people who have become successful research university faculty in science, engineering, and mathematics experienced a limited range of teaching methods, and the vast

majority were never formally taught how to teach. Now, though, we know a tremendous amount about how students learn, and have access to a much wider range of well tested techniques. Now that we know better, we will explore how to actually do better — how to take Caltech learners' experiences into account, how to best engage their curiosity and potential, and how to bring the nature and culture of doing science into courses and labs.

Denim Day

Wednesday, April 25th | all day | Title IX

In 1999, the Italian High Court overturned a rape conviction because the victim was wearing tight jeans at the time of the assault. Every year since 1999, Peace Over Violence has organized Denim Day in LA and USA on the fourth Wednesday of April, which is Sexual Assault Awareness Month. Denim Day is a sexual harassment and sexual violence/assault prevention and education campaign where community members, elected officials, businesses and students are encouraged to make a social statement with their fashion statement by wearing jeans as a visible means of protest against misconceptions that surround sexual harassment and sexual violence/assault.

Denim Day buttons & other materials related to sexual harassment and sexual violence/assault prevention will be available at the Sexual Assault Awareness Month table on the San Pasqual Walk on Wednesday, April 25th from 12:00 PM to 1:00 PM. Stop by to take some Denim Day materials and information for yourself and your colleagues!

Marina Agranov — Negotiations and Group Decisions: Passing Bills with Backroom Deals

Wednesday, April 25th | 8 PM | Beckman Auditorium

Group decisions often involve the allocation of scarce resources between members with conflicting interests. Negotiations are part and parcel of such decisions as they create a natural arena for informal agreements and quid pro quo deals. Do these deals help or hurt bargaining process? How should legislative decision-making be designed to be more efficient?

In this lecture, Dr. Agranov will illustrate how the structure and rules of the negotiation process impacts how money gets distributed. We explore these and related questions using the tools of economic theory and experimental economics.

Marina Agranov is Professor of Economics at Caltech, in the Division of the Humanities and Social Sciences.

This is a free event; no tickets or reservations are required.

World Fest Event: Redefining Women in Saudi Arabia

Thursday, April 26th | 12 PM | Avery Library | Caltech Y

Hear first-hand about how changes in Saudi Arabia are creating opportunities for women in the Kingdom. Graduate student Zainab Al Saihati will share her personal story while dispelling stereotypes and misconceptions.

"I Give a Shirt" Day

Friday, April 27th | all day | CCD

Be a part of "I Give a Shirt Day" by wearing your Gaypril gear from any year to show your pride and

support for our campus LGBTQ+ population! Send in photos of you in your Gaypril gear to taso@caltech.edu to appear in our social media! #gaypril2018

Natural Curiosities: Curious Minds

Saturday, April 28th | 4 PM | Beckman Auditorium

Orangutans are clever tool users, but strangely such skills remained undiscovered for centuries. They were considered as just clever mimics until discovery in remote Sumatran swamps revealed their true potential. Crows are clever birds that can solve problems, and they too make surprisingly sophisticated tools. How have the curious minds of these two animals helped them become so inventive?

Mason McGill, a graduate student in computation and neural systems at Caltech, will introduce the film and guide the post-screening discussion.

Recommended for ages 8 and up. Ticket price: \$10 (general admission).

PFLAG Panel and Discussion

Monday, April 30th | 12 PM | Avery Dining Hall | CCD

Parents, Families, and Friends of Lesbians and Gays (PFLAG) promote the health and well-being of lesbian, gay, bisexual and transgender persons, along with their families and friends. PFLAG works to end discrimination around sexual orientation and gender identity through support, education, and advocacy of LGBTQ+ issues. Come and join the discussion as our local Pasadena PFLAG members share their stories to help us create a dialogue about sexual orientation and gender identity. Lunch will

be provided. RSVP encouraged: <http://diversitycenter.caltech.edu/Rsvp>

Hathaway Sycamores

Every Monday | 5:45 - 8:00 PM | Highland Park | Caltech Y

Volunteer at Hathaway Sycamores, a group that supports local underprivileged and 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 | Caltech Y

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.

ANNOUNCEMENTS

THE CALIFORNIA TECH

Caltechlive!

**EARNEST C.
WATSON**
LECTURE SERIES

Wednesday, April 25, 2018 • 8 PM

NEGOTIATIONS AND GROUP DECISIONS: PASSING BILLS WITH BACKROOM DEALS



Marina Agranov, Professor of Economics
Caltech Division of the Humanities and Social Sciences

In this lecture, Dr. Agranov will illustrate how the structure and rules of the negotiation process impact how money gets distributed. She will explore these and related questions using the tools of economic theory and experimental economics.

Public Lecture • Free Admission • Free Parking
Caltech's Beckman Auditorium

Cosponsor:
CALTECH EMPLOYEES
Federal Credit Union
www.events.caltech.edu • 626.395.4652

Caltechlive!

SCIENCE SATURDAYS

SATURDAY, APRIL 28, 2018 • 4PM

Beckman Auditorium • \$10 (general admission)
Recommended for all ages

Natural Curiosities: Curious Minds



Discussion Leader: **Mason McGill**
Caltech Computation & Neural Systems, PhD student

Orangutans are clever tool users, but strangely, such skills remained undiscovered for centuries. They were considered as just clever mimics until discovery in remote Sumatran swamps revealed their true potential. Crows are clever birds that can solve problems and they too make surprisingly sophisticated tools. How have the curious minds of these two animals helped them become so inventive?

Caltech's Beckman Auditorium • Free Parking
www.events.caltech.edu • 626.395.4652

Cosponsor:
CALTECH EMPLOYEES
Federal Credit Union

Caltechlive!

SATURDAY, MAY 5, 2018 • 8 PM

CAPITOL STEPS Political Satire



"The best musical satire on Washington I've ever seen!"
—The Washington Times

\$45, \$40, \$35 / \$10 Youth

Free Parking
Caltech's Beckman Auditorium
www.events.caltech.edu • 626.395.4652

Cosponsor:
CALTECH EMPLOYEES
Federal Credit Union

AMAZON SKYmall

Water Joe | #1 Premium Caffeinated Water | 20 Oz, 12 pack, 70mg Caffeine Enhancer

\$23.95 ★★★★★ prime

Is coffee too bitter for you? Do you want to convince your friends that you're a superhuman who doesn't need sleep? Water Joe tastes almost exactly like water and provides the boost you need.
<https://amzn.to/2vBoo2C>

VIVA Caffeinated Hot Chocolate Packets. Premium Chocolate Cocoa with 100 mg Shot of Caffeine (10 Pouches)

\$10.99 ★★★★★ prime

Do you want to improve your mocha game? Do you like caffeine and chocolate?

<https://amzn.to/2K9BCbk>

Angry Mills Whey Protein Isolate-infused PEANUT Spread by Sinister Labs - CAFFEINATED

\$13.28 ★★★★★ prime

If you need to combine your protein with your caffeine, Angry Mills has you covered. This is the least caffeinated of this weeks lineup, weighing in at only 40 mg per serving. Allergen warning: contains milk, peanuts.
<https://amzn.to/2F9Ipy3>

Enter this week's raffle for your favorite Amazon SkyMall item here:
<https://goo.gl/forms/9tTOqpcu2OodkdGx2>

Women's season at polo ends Pomona-Pitzer

GOCALTECH.COM

Actual Sports Content Editor

CLAREMONT, Calif. (Apr. 19, 2018) – The Caltech women's water polo team finished up the 2018 season on Wednesday afternoon at SCIAC co-leader Pomona-Pitzer Colleges.

Caltech's lone goal came on the powerplay when sophomore Samantha D'Costa took a pass from junior Katie Johnston and tossed it into the net to get the Beavers on the board in the first period. Johnston also drew three exclusions and finishes the season as the Beavers' leader in goals (37), assists (12),

drawn exclusions (43) and shot attempts (115). Johnston's season will have her within striking distance of the career goals record and is just one assist away from surpassing former teammates Mary Boyajian '17 for the program assists record. She has also drawn more exclusions than any other player in team history.

Sophomore goalkeeper Sarah Kreider played the first three quarters and finished up with five saves to go with one steal. The sophomore took a big step in efficiency from her freshman year, surpassing her 2017 save total with Friday's effort while playing roughly 30 percent fewer minutes.



Go, Cornsnake, go! Slither right through those opponents!

-gocaltech.com

SCORES

April 18, 2018

Women's Water Polo at Pomona-Pitzer

L 1-18

April 20, 2018

Women's Tennis at Cal Lutheran

W 8-1

Men's Tennis at Cal Lutheran

W 9-0

Baseball vs. Cal Lutheran

L 5-13

April 21, 2018

Men's Tennis vs. CMS

L 1-8

Baseball at Cal Lutheran

L 0-13 (7 innings)

L 4-14 (8 innings)

Andrews named to back team

GOCALTECH.COM

Actual Sports Content Editor

KANSAS CITY, Mo. (Apr. 19, 2018) – Sophomore guard Alec Andrews of the Caltech men's basketball team has been named to the National Association of Basketball Coaches Give Back Team.

The NABC Give Back Team recognizes unique men's basketball student-athletes who stand out for their charitable and community involvement. The Give Back Team features five student-athletes from NCAA Division I and five from NCAA Division II, NCAA Division III and the NAIA.

Andrews, a sophomore captain for the men's basketball team this season, received the nomination for his high character on and off the floor in addition to his work as a Global Ambassador for the Team Type 1 Foundation. Team Type 1 fights for the right to live and for equal access to education for everyone affected by type 1 diabetes. As a global ambassador, Andrews strives to utilize his platform as an NCAA athlete diagnosed with Type 1 diabetes to educate others about the disease, and empower the younger generation by showing them that they can achieve anything and that a disease does not need to hold them back from accomplishing their goals. Each year, Andrews participates in outreach events where he discusses his personal experiences from living with Type 1 as well as the mission of Team Type 1.

"It's a tremendous honor," Andrews said. "I never think about the things I do as far as awards go but it's very cool to be recognized for something like this especially on this stage among all these teams. I can't say I'm not proud."

In addition to his work with Team Type 1, Andrews tutors younger students in his free time at home, with the aim of showing them the importance of work ethic at a young age. The sophomore also works with aspiring basketball players on the fundamentals of the game, putting them through drills that they can take home and work on to hone their skills.

"We are thrilled that Alec has been recognized for such a prestigious honor," Head Coach Dr. Oliver Eslinger said. "He exemplifies leadership in all he does on and off the court, and for him to be named to this team as a sophomore shows his extraordinary character and caring for others way beyond basketball."

Andrews is not the first Caltech player to be recognized by the NABC. The Give Back Team, formerly known as the Good Works Team featured then-junior guard Rob Anderson '16 back in 2015. The very next year, Eslinger received the prestigious Guardian of the Game honor from the NABC. The men's basketball program is also routinely recognized by the association with the Team Academic Excellence Award.

The sophomore finished the 2017-18 season as one of three Beavers to average double-figures and led the SCIAC in assists per game while finishing third in steals per game and posting the second-highest single-season assist total in school history. Andrews' on-ball defense lent itself to the Beavers finishing second in the conference in team steals. He also shot 35-percent from three against conference teams. With two top-10 assists seasons in the Caltech record books, Andrews is well on pace to become the program's assists king by the end of his senior year.

Women's tennis caps season with conference win



Honestly this is just a beautiful, powerful photo - no joke. Is this a Teacher or Maria Sharapova?

Photo Courtesy of Michael Wong

GOCALTECH.COM

Actual Sports Content Editor

THOUSAND OAKS, Calif. (Apr. 20, 2018) – The Caltech women's tennis team ended its 2018 season on a high note when the Beavers defeated California Lutheran University, 8-1, on Friday evening.

The Beavers gave the Regals a different look in doubles action, as freshmen Sarina Liu and Ankita Roychoudhury played together for the first time all season and picked up a hard fought 8-6 victory at second doubles. Meanwhile, junior Julia Reisler combined with senior Vinci Chen at third doubles as the duo cruised to an 8-1 win over the Regals.

The Beavers dominated the Regals in singles play, though junior Kana Moriyama needed to overcome some first-set adversity in order to pull out the win at first singles. Moriyama, the 21st-ranked player in the region, knotted things up at one set apiece with a 6-3 triumph before winning the super tiebreaker in decisive 10-5 fashion. Just as notably, seniors Erin Wang and Sarah Cai picked up singles wins in the fourth and fifth positions in the final regular season match of their Caltech careers. Wang finished the season with a team-high 11 singles wins, the most single-season wins in her career while concluding her tenure as the second winningest singles player in Caltech women's tennis history.

ADVERTISEMENTS

THE CALIFORNIA TECH

**JOIN THE TECH
AND
FIGHT FOR A
BETTER
AMERICA**



Emotional Intelligence Toolkit

EMOTIONAL AWARENESS

Get better at knowing what you're feeling, and see how your thoughts and feelings affect each other. **April 16 & 23**

OPEN-MINDEDNESS

Learn how to be more flexible in the way you see the world. **April 30 & May 7**

FACING FEAR

Learn how to hang in there with difficult situations and emotions without having to avoid them. **May 14 & 21**



counseling.caltech.edu

*3 modules, 2 sessions each
attend one module, or all three!*

**Mondays, 4-5pm
Avery Library**

oh god how did i
get here i am not
good at computer

are you good at computer?
join the tech!

EMOTIONAL WELLBEING SERIES 2018

LUNCH PROVIDED
EVERY LIBRARY @12PM

SPONSORED BY
COUNSELING SERVICES

APRIL 11

COPING WITH ADHD

APRIL 16

HEALTHY ADVISOR
RELATIONSHIPS

APRIL 25

HEALTHY SLEEP

MAY 9

STRESS
MANAGEMENT

MAY 16

MINDFULNESS

SLEEP BETTER.

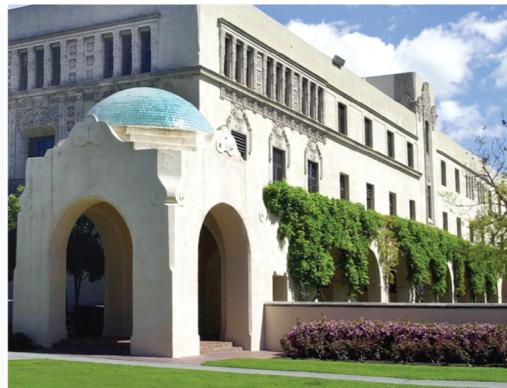
◆ COGNITIVE-BEHAVIORAL THERAPY FOR INSOMNIA ◆

A 4-WEEK GROUP
4:00 - 5:00

TUESDAYS
MAY 1, 8, 15, 22

PRE-SCREENING REQUIRED
COUNSELING.CALTECH.EDU

You chose one of the 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.

PUZZLES

THE CALIFORNIA TECH

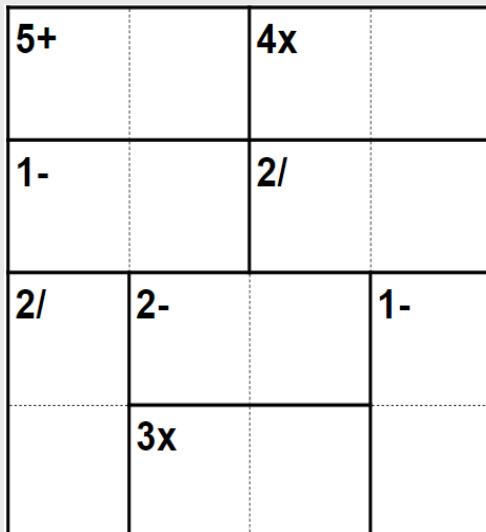
APRIL 23, 2018

7

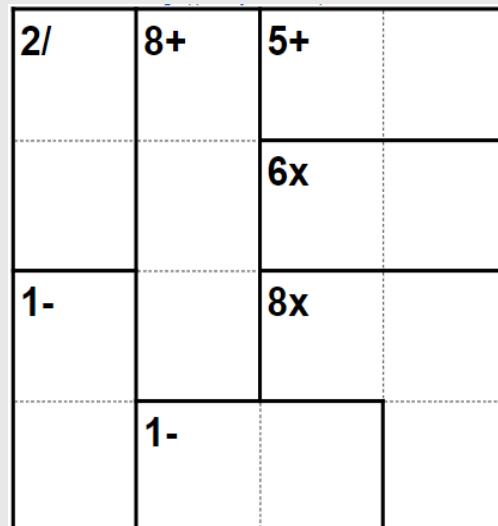
Mathdoku (KenKen®)

How to play Mathdoku (KenKen®):

1. Each box contains an integer from one to four.
2. Every row and column must contain exactly one of each integer.
3. The integers inside each cage (enclosed by bolded lines) must give the target number when combined with the operation shown.
4. Single box cages have no operation and just give the integer inside the cage.



Puzzles adapted from krazydad.com and mlsite.net

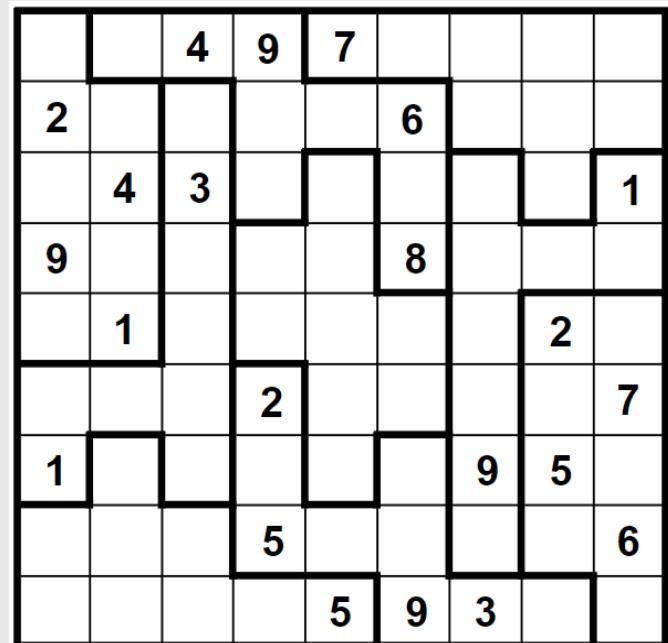


Jigsaw Sudoku

Jigsaw Sudoku has the following rules:

1. Each column and each row contain the digits 1-9 only once.
2. Every cage (surrounded by bolded lines) contains each of the digits 1-9 only once.

GLHF! (Puzzle from <https://krazydad.com/jigsawsudoku/>)



Diagramless Crossword

The diagramless crossword is similar to a standard US style crossword except in this puzzle there are five main differences:

1. You start with an empty 17x17 grid and are required to block out the unused cells yourself.
2. The clue numbers in the upper left corners are not filled in, so you have to figure out which cells are the correct ones and write in the clue numbers in small print.
3. The word lengths are not given, but all are at least three letters long.
4. The completed grid will form a pattern with rotational symmetry.
5. Every white cell forms part of an Across and a Down answer.

I think everything is perfectly in order this time...

Hint: 1 Across starts at Row 1, Column 6

Across

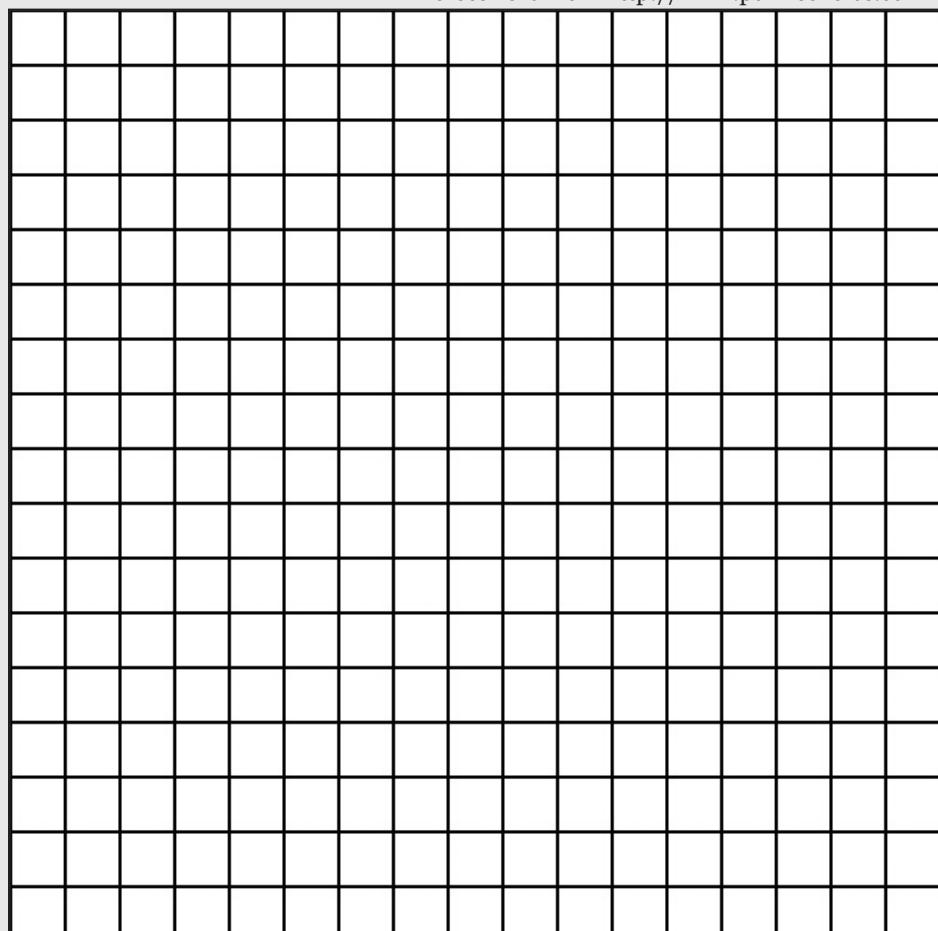
- 1. On the affirmative side
- 4. Tattered piece of cloth
- 7. Male offspring
- 8. Large vase
- 9. Story
- 10. Orderly
- 12. Small stream
- 13. Relating to the nose
- 15. Limb
- 16. Digit
- 18. Polynesian rain dance
- 20. Moral weakness
- 22. Cry loudly
- 23. Press down tightly
- 25. Tough, flexible plastic
- 26. Alcoholic beverage
- 27. Morass
- 29. Colony insect
- 30. Long narrative poem
- 32. Lighthouse
- 34. On the sheltered side
- 35. Was seated
- 36. Spanish title
- 37. Perform

- 38. Emerge
- 40. Written matter
- 41. Drone
- 42. Rear part of an aircraft
- 43. Small vegetable
- 44. Measuring stick
- 46. Wander
- 48. High in stature
- 49. Matured
- 50. Bring up
- 52. Nocturnal bird
- 53. Zero
- 54. Jeer
- 56. Depend
- 57. Fifty percent
- 58. Sediment from fermentation
- 59. Observe
- 60. Uneven
- 61. Golf pin
- 62. Plaything

Down

- 14. South American animal
- 16. Used in body powder
- 17. Be indebted to
- 19. Friendly
- 20. Sour-tasting liquid
- 21. Inside
- 22. Lure
- 24. Go forward
- 25. Personal attendant
- 28. Go in
- 31. Ballet step
- 32. Container
- 33. Viscera
- 36. Trade
- 39. Fairies
- 40. Express in words
- 43. Animal foot
- 45. Deficient in beauty
- 47. Apiece
- 48. Sticky candy
- 51. Cook with dry heat
- 53. Indigent
- 55. Run away
- 56. Remake
- 58. Parcel of land

crossword from <http://www.puzzlechoice.com>



Pre Frosh Weekend Report

Students across campus were left scratching their heads Sunday over a collective hallucination which many of them are calling "Pre Frosh Weekend".

"It was so strange — I woke up on Sunday thinking that there had been an unfamiliar high schooler sleeping in my room for the past few nights," said Avery junior Jesse Morgan. "Then I mentioned it to my roommate and he said he remembered the exact same thing! It's like we're linked!"

Further investigation by the Cal Tech revealed that the mutual delusion extended not just to roommates but to entire houses and classes, and that it infected even the highest echelon of student government, the IHC. Dabney House president Mark Broun confided to us, "Last Wednesday, I sent an email to my House that said: 'Get excited everyone! It's time to welcome some

potential new students! Woohoo!!!11!! I'm going to need a lot of help running Dabney's event on Thursday night, so spam me if you're interested.'

"So embarrassing! Besides, I always spend all of Thursday night (and I mean all of it) doing CS 38."

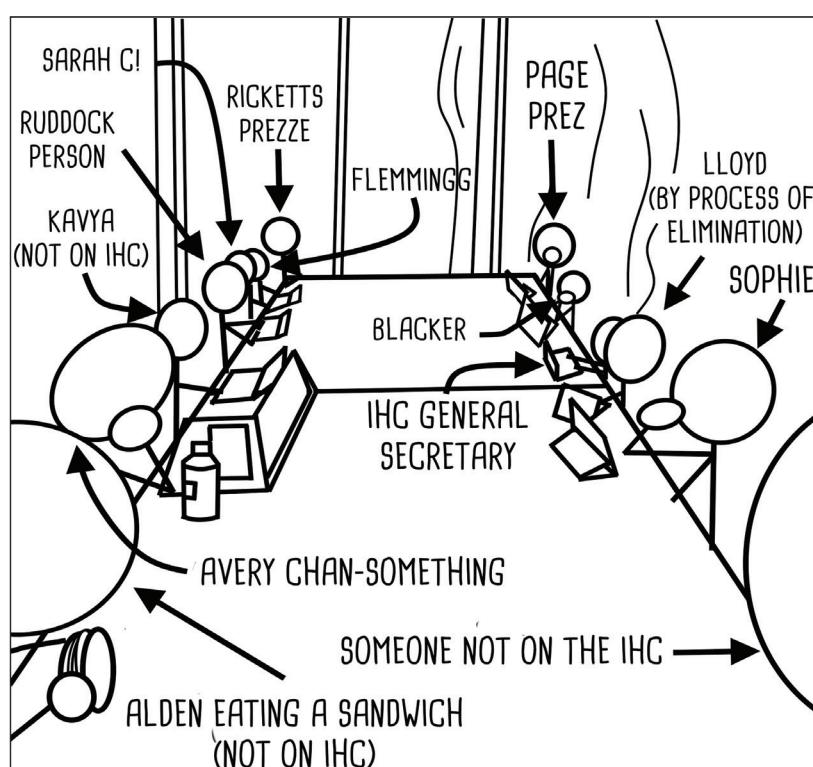
"This occurrence was probably related to increased levels of psychoactive substances* in the air last week as a result of nearby forest fires," said Caltech Professor of Bio-organic Chemistry Arie Jan Haagan-Smit. "But officially, no decision has been made, so I'm certainly not giving out extensions in my classes!"

When asked for comment, Caltech Media Relations spokesperson Tom Shephard confirmed that there were no prospective student events this past weekend, and that in fact, as a government research institution, Caltech does not have an undergraduate program.

Matthew W.

*NO ONE DOES DRUGS AT CALTECH

Answers to Puzzles and Crossword: <http://bit.ly/2qSfh9K>



Daniel Xu (b. 1996)
IHC open meeting courtroom sketch, 2018
Pencil and ink on paper.

We are always accepting submissions for comics, and will pay you.

Letters from the Editors-in-Chief

Sophie Piao: writing things that aren't at least 50% joak is really venturing outside my comfort zone. pls no bully. also sorry @fleminng we know how to spell your house name i promise :^)

Amrita Rhoads:

Milan Roberson: i was gonna write an editorial for this issue but put it off to the last minute, sorry fam. make sure to check

out my opinions in next week's issue!

Definitely Not the Rest of the Tech Editors Trying to Impersonate Dan Xu: hi i'm totally dan xu! i love being a tech editor and grading sets!

This week's recommended Tech usage after reading is: lizard tank liner.

The California Tech

Editors-in-Chief
Sophie Piao
Amrita Rhoads
Milan Roberson
Daniel Xu

Page Editors
Reggy Granovskiy
Ciara Ordner

Circulation Manager
Mason MacDougall

Contributing Writers
Amulya Mohan

Advisor
Richard Kipling

Caltech 40-58, Pasadena, CA 91125
Contact tech@caltech.edu

The Tech is published weekly except during vacation and examination periods by the Associated Students of the California Institute of Technology, Inc. The opinions expressed herein are strictly those of the authors and advertisers.

Letters and submissions are welcome; e-mail submissions to tech@caltech.edu as plain-text attachments, including the author's name, by Friday of the week before publication. *The Tech* does accept anonymous contributions under special circumstances. The editors reserve the right to edit and abridge all submissions for any reason. All written work remains property of its author.

The advertising deadline is 5 p.m. 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.

The California Tech

Caltech 40-58
Pasadena, CA 91125

Facebook: facebook.com/TheCaliforniaTech
Twitter: twitter.com/tech_california
Discord: discord.gg/YX6w9UY
Website: tech.caltech.edu