October 29, 2018

The Rent is Too Damn High: Vote Yes on Proposition 10

MILAN ROBERSON
Editor-in-Chief

When Jimmy McMillan ran for Governor of New York in 2010, his platform and party’s name were based upon the simple fact that the rent in New York City was, in fact, too damn high. This phenomenon has not been confined to the Big Apple.

however. According to the 2015 American Housing Survey, 48% of renter households in the United States are rent burdened, meaning over 30% of their income goes to rent, and of those, 50% are severely rent burdened, meaning over 50% of their income goes to rent. This problem is widespread, manifesting itself particularly strongly in California and our local community of Pasadena and the greater Los Angeles metropolitan area. In California, more than half of renter households are rent burdened, and one third are severely rent burdened. Between 2000 and 2015, the median rent in California rose by 25% while the median income of renters fell by 6%. It is no surprise then that rising rents in Pasadena and LA are linked to the large and growing homelessness epidemic. According to a Zillow study, a rent increase of 5% in Los Angeles County would force 20,000 more people into the streets.

On October 1, 1978 the Los Angeles City Council issued a six month rent freeze in response to skyrocketing rents. During the temporary rent freeze, the council wrote and passed the Rent Stabilization Ordinance, which has two main provisions. The first is that rent cannot be raised by more than 3%-8% annually on units occupied before the freeze began, with the exact percentage being tied to the Consumer Price Index. The second is a Just Cause Eviction Protection that enumerates the legal reasons that tenants can be evicted, ensuring that (with a few exceptions) there has to be a “just cause” for tenants to be evicted. Just cause protections, more than being good laws on their own, are necessary for rent stabilization to be effective. Without just cause protections, landlords of rent controlled units could simply evict their tenants and raise rent arbitrarily.

Beverly Hills, Santa Monica, Thousand Oaks, West Hollywood and Palm Springs all adopted some form of rent stabilization following LA’s rent freeze. These victories were won by the collective power of tenant organizations that made demands of their local governments. After these victories, however, the ensuing rent control, of tenant groups dissipated, opening the path for real estate lobbyists to prompt the state legislature to preempt the future expansion of rent control. The result of this lobbying was the Costa-Hawkins Rental Housing Act of 1995.

Costa-Hawkins does three things. It cements all current rent control and rent stabilization ordinances in place, prohibiting localities from enacting rent control or stabilization on units built after 1995 or updating the existing rules. Costa-Hawkins also gives new landlords of rent-controlled units the incentive for landlords to evict long-time rent controlled tenants, who often make up the backbone of communities, in order to sharply increase rent. These evicted tenants then must find increasingly scarce affordable housing or become homeless. Prohibiting cities from updating rent control ordinances has given new landlords of exempted properties the unrestricted power to raise rents dramatically. One such example is that of the 24-unit complex at 1815 E. 2nd St., built in 1983, home to many mariachi performers of the Mariachi Plaza in Boyle Heights and the greater Los Angeles metropolitan area. In 2015 American Housing Survey data. It also enacts vacancy decontrol, meaning that once a rent-controlled or rent-stabilized unit becomes vacant, its owner can arbitrarily increase the rent.

What are the effects of Costa-Hawkins? Vacancy decontrol is an incentive for landlords to evict long-time rent controlled tenants, who often make up the backbone of communities, in order to sharply increase rent. These evicted tenants then must find increasingly scarce affordable housing or become homeless. Prohibiting cities from updating rent control ordinances has given new landlords of exempted properties the unrestricted power to raise rents dramatically. One such example is that of the 24-unit complex at 1815 E. 2nd St., built in 1983, home to many mariachi performers of the Mariachi Plaza in Boyle Heights and the greater Los Angeles metropolitan area. In 2015 American Housing Survey data. It also enacts vacancy decontrol, meaning that once a rent-controlled or rent-stabilized unit becomes vacant, its owner can arbitrarily increase the rent.

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The bigger issue, however, is that housing is currently produced for its exchange value: housing is built not because people need spaces to live, but because it is profitable to do so. In California, the market has produced much more luxury housing than is needed, and far less housing for moderate and lower income households than is needed. It is true that more housing needs to be built, but the market has not and will not produce housing to meet need.

I firmly believe that housing is a human right because it is a human need. Therefore, like water and food, it should not be produced for profit, but for use. The road to guaranteeing basic necessities to all people is long one, but passing Proposition 10 is the first step towards housing justice.

Yes Vote on Prop 10!

Signed in concurrence by Sophie Piao and Reggy Granovsky.
ANNOUNCEMENTS

ASCIT Minutes

Meetings are every week in SAC 13

ASCIT Board of Directors Meeting
Minutes for October 26, 2018

Officers Present: Sakshi Vetrivel, Erika Salman, Varun Shanker, Dana He, Alice Zhai, Rachel Sun

Guests: Alejandro Lopez

Call to Order: 12:27 PM

President’s Reports (Sakshi):
- Had ACR and VPSA meetings recently.
- The ASCIT BoD will meet with Felicia on November 2 to go over End of Rotation Party.

Officer’s Reports:

V.P. of Academic Affairs (Erika):
- Ombuds training is happening now.
- Signups for SFC option chair signups come today.
- Fresh reps have been chosen and names will be announced soon.

V.P. of Non-Academic Affairs (Sarah):
- Not present. Report submitted after the meeting.
- ASCIT will discuss the new orange watch program with Felicia. Afterwards the IHC is going to write up an FAQ sheet about the orange watch program and send it to the student body.
- IHC released an article about Rotation in the Tech with some new statistics regarding Rotation.
- IHC wrote up a document for Felicia summarising some points the IHC has.

Director of Operations (Varun):
- Small number of club funding requests have been submitted so far. Club funding requests are due on Friday, November 2. The ASCIT BoD meeting on Saturday, November 3 to hear pitches from clubs.
- Discussions with the Big 7 regarding yearbook distribution are happening.

Treasurer (Dana):
- ASCIT budget meeting is happening this Sunday (10/28).
- Intern Treasurer interviews will be happening this Sunday (10/28).
- After Add Day totals were calculated, our total budget is $85320.

Social Director (Alice):
- Face painting workshop with Beth Larranaga this Sunday (10/28). Spots are very limited.
- There will be a haunted maze set up by CDS in the Lloyd courtyard on Halloween.

Secretary (Rachel):
- 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: 12:39 PM

ARC Minutes

Meetings are every week in SAC 13

Present: Erika Salman, Arushi Gupta, Michael Yao, LC Chen, Shubh Agrawal, Simon Lequer, Daniel Neamati, Sophie Howell, Vibha Vijayarajan, Tanvi Gupta, Andrew Zhou, Alex Reeves

Meeting:

1. New Fresh Rep!
- Congrats to new fresh reps: Simon Lequer, Sophie Howell, Shubh Agrawal, Noah Yared
- Midterm blues books
- If it’s the ARC rep’s job in your house, they should have blue books
3. Retreat info
- Tentatively November 16-18
4. Project updates: Course Capture, Ombuds training, Course Compliments, Software Seminar survey
- Course capture: power cords still missing for camera, missing labeled microphone: will start recording courses next term because it is late and we don’t have the equipment.
- Ombuds training: good turnout, went smoothly
- Course compliments: will ask Tom Mannon about budget
- SFLs: will start planning around week 6, will have people sign up by week 7, and probably have it in week 8; will be held Wednesday, November 28th and Thursday, November 29th
- Software Seminars: survey about preferences, to send out after course schedules come out for next term
- Student Faculty Conference Option Committee Chair signups closed

The ARC website at arc.caltech.edu has more information about what the ARC does if you are interested. We meet every Sunday at a PM in SAC 13/35 and our meeting are open to everyone! If you have any questions, please feel free to email ealzaman@caltech.edu.
Best of TQFRs: Winter 2018

MILAN ROBERSON
Editor-in-Chief

Bi/BE 227
I became a better microscopist

Bi/BMB 251B
Nom nom nom. It is good to hear what everyone is working on.

Ae/AM/CE/ME 102b
It’s just like every other course at caltech. You have to do lots of math (contours, which I completely forgot) and gain minimal insight into the topic at hand.

Ch 1b
this man made me want to major in chemistry
his teaching is inspiring
you can clearly tell from his lecture and the effort he puts into the class and making himself available to help students that he cares about not only the subject but also about how his students are doing in the class his passion for chemistry is friggin contagious ok
some kids want to be astronauts when they grow up, other princesses, doctors, etc.

after ch 1b, there is a whole class of kids for generations to come who will want to be professor miller when they grow up #nolie

CS 21
I don’t know how to be rigorous without a Turing Machine I can run test scripts on.

Ec 101
one tweet sums it up pretty well: “When you’re talking to clients, it’s AI
When you’re hiring, it’s ML.
When you’re actually implementing, it’s linear regression”

H 131
In millennial terms, Prof Lewis is “bae.”

Hum/En 30
Irregular and incompressible load. Gonna want to buffer with with a pretty beefy flux capacitor.

SA 70b
I was but a lowly seed. I had never before ventured into the technical aspects of this game. But a welcoming voice led me towards the light. Who was it? I don’t actually know, but his tag’s LokO.
Fed by the light, I began to grow, becoming a young sapling. But the knowledge I had gained also made me more aware of what type of world I was in. A world with wavedashing was also a world with tippers, learning how to recover to the ledge also meant me falling, helpless, as I got edgehogged yet again. Learning to shield meant nothing if I faced a foe with perfectly spaced SHFFL-ing, rendering me helpless in my shield stun. Realizations like these would make an ordinary tuber quake, but I buckled down and continued to train. Over the weeks, I felt myself getting more and more salty, and it destroyed my eyes. I went from a happy bulb to a winky potato to a dot-eyed beet until I reached my final form. The stitch face. I, who had gone farther than 98.29 of my 100 peers, was now a force to be reckoned with, a harbinger of a quick and painful death.
But all that’s past now. Often times I reflect about my roots. Musing about my days, and how far I have already grown. Oh, what’s this? I’ve been summoned by my charming princess. I guess it’s time to put all that aside, and once again enter the fray...

Ma 1b prac
if you can pass out, then do it. Otherwise, just dont fail

Ph 1b prac
A helpful prerequisite would be AP Physics: Electricity and Magnetism.
If you took AP physics in high school you really dont need to go to class requires a solid background in E

PVA 62b
This is an excellent course and you should absolutely take it.
be prepared to see and draw a lot of naked people

PE 56
squish squash

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**Announcements**

**October 29, 2018**

**The California Tech is accepting your content!**

Do you know something? Want to write about it? Do you have opinions? Want to write about them? We are accepting your content, and will pay you in cold hard checks/direct deposit.

Contact the Tech editors at tech@caltech.edu with your article submission or questions.

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**Amazon Skymall**

**SOAIY Sleep Soother Aurora Projection LED Night Light Lamp with 8 Lighting Mode & Speaker**

$21.99  ★★★★★

A far more colorful replacement for the dorm lights, this projector’s patterns will provide a suitable light show for any occasion.

http://a.co/d/3AMj6HC

**Tikteck A4 Ultra-thin Portable LED Light Box Tracer USB Power Cable Dimmable Brightness LED Artcraft Tracing Light Box Light Pad for Artists**

$22.98  ★★★★★

To illuminate all of your set sketches.

http://a.co/d/itu7hBo

**HEXBUG AquaBot with Fishbowl**

$19.49  ★★★★★

Need an apex predator for your robotic fishtank? Hexbug has you covered!

http://a.co/d/8NUGrZC

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Enter this week’s raffle for your favorite Amazon SkyMall item here:

https://goo.gl/forms/yJeB7GrErDq31XHQ2
PASADENA (Oct. 23, 2018) – The Caltech volleyball team recognized two of its statistically best seniors to play under Head Coach Tom Gardner in Sakthi Vetrivel (Redmond, Wash. / Overlake School) and Claudia Canamas (West Palm Beach, Fla. / Oxbridge Acad.) before Tuesday night’s final home match of the season against the University of Redlands.

Both players received the start for Caltech and one of the match’s best moments saw the two seniors combining on an assisted block in the first set. As the Beavers held the visiting Tigers to just one first-half goal. Freshman Velissarios Christodolou (Athens, Greece / Athens College) and sophomore Rohan Mirchandani (Pleasanton, Calif. / Foothill) each tested the Tigers’ goalkeeper with shots-on-goal.

Head Coach Phil Murray and the Beavers will close the 2018 season on Senior Day against visiting Whittier College on Saturday, Oct. 27 at 11 a.m.

Caltech cut the deficit in the second half with 45 minutes to erase a two-goal deficit in its last chance for a SCIAC victory until 2019. The men’s team accomplished the feat in extra time with junior Theo Yang (Columbia, Md. / Long Reach) and sophomore Chad Thut (Dover, N.H. / Berwick Acad.) playing the heroes. Yang took the ball following a Caltech corner kick and dribbled through three defenders, drawing the opposing keeper’s attention to the right side of the field while positioning Thut onside off to the left to hammer home the golden goal from point-blank range in the 96th minute. The team followed the goal by running straight to the spectator’s sideline to celebrate with the Caltech faithful.

Murray and the Beavers have completed the 2018 season, their most successful to date. The season featured the team’s first NCAA win under Murray and the most amount of total wins (4) since the team won five games in 1989.
Bridges

I think I’m going to be keeping bridges or Hashiwokakero for a few weeks since people told me they enjoyed them. The rules are as follows:

1. They must begin and end at distinct islands, travelling a straight line in between.
2. They must not cross any other bridges or islands.
3. They may only run orthogonally (i.e. they may not run diagonally).
4. At most two bridges connect a pair of islands.
5. The number of bridges connected to each island must match the number on that island.
6. The bridges must connect the islands into a single connected group.

Caltech’s primary color is Pantone MS 1585c Orange for coated and matte print jobs. Use PMS 151 for uncoated print jobs.

Puzzles from krazydad.

Galaxy

Here’s another new puzzle that I found online! Its called Galaxy or Tentai Show in Japanese.

Directions

Connect the dots to make edges so that each circle is surrounded by a symmetrical galaxy shape, and the puzzle is completely filled with galaxies. The galaxy shapes must be rotationally (or 180°) symmetric, like the shapes shown here:

Caltech’s neutral color palette complements the Caltech orange and should be used for projects with a more traditional, serious tone.
# Mathdoku (KenKen®)

How to play Mathdoku (KenKen®):

1. Each box contains an integer from one to the number of boxes on a size. (4 for a 4x4 puzzle and 6 for a 6x6 puzzle)
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 from Caleb Sander. Thanks!

Caltech’s deep color palette adds contrast to the Caltech orange as well as the neutral palette, and may be used to provide more depth and texture to communications.

![Mathdoku Puzzle](image)

# 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.

Caltech’s bright color palette provides an opportunity to adjust the temper of a piece from subtle to bold.

**Hint:** 1 Across starts at Row 1, Column 8

**Across**

1. Batch
2. Number
3. Muscles
4. Intention
5. Pastry
6. Nil
7. Wheeled vehicle
8. Drama
9. Impulse
10. Sharpen
11. Young woman
12. Blurred
13. Manufactured
14. Metal bearing mineral
15. Type of condensation
16. Sharp taste
17. Remedy
18. Look
19. Young mammal
20. Part of a shoe
21. Friendly nation
22. Male offspring
23. Joint
24. Ancient priest
25. Wetland

**Down**

1. Caprice
2. Part of a circle
3. Profound
4. Triad
5. Long narrative poem
6. Mariner
7. Large expanse of water
8. Wacky
9. Optic
10. Floor covering
11. Tidy
12. Ancient Egyptian ruler
13. Medicated candy
14. Not steep or abrupt
15. Advanced in years
16. Blistery
17. Female sheep
18. Mirth
19. Young male horse
20. Tree
21. Devotee
22. Variety
23. Care or look after
24. Crease
25. Single
26. Divot
27. Rind
28. Actor’s prompt

![Diagramless Crossword](image)
New Course Offerings for Winter 2019:

Ph13, Mathematical Methods of Ph106.
This course will cover essential techniques for physics majors, including decomposition into spherical harmonics, muttering "azimuthal symmetry" under your breath, applied hermeneutics, and spherical harmonic decomposition, with an emphasis on spherical harmonics.

Information to problems will cover theorems, with members, control. Topics include algebra, and part, after the most important term. Prerequisites: CS 156a. Having and state differential equation of the stabilization, variables. The course focuses on campus on topics for eigenvalues and statistic theory: error-corresponding with an emphasis on leveraging units.

Hum 6, Basic Literacy.
This course will focus on reading and writing, with an emphasis on supplying students with the tools needed to form grammatically correct English sentences. Previous familiarity with written language is useful but not required.

En 34, Introduction to Journalism
Topics discussed will include kerning, layouts, and not bursting into someone’s room late at night asking them to write you an article.

Answers to Puzzles and Crossword:
http://bit.ly/2AxF9xJ

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