

## 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 not confined to the Big Apple,



Example meme depicting 2010 New York Gubernatorial candidate Jimmy McMillan.

Photo courtesy of Pinterest.

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 Research study, a rent increase of 5% in Los

Angeles County would force 2000 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

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 enthusiasm and power 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 eligibility dates in existing rent control and stabilization ordinances. Costa-Hawkins exempts all single-family homes and condominiums from existing rent control, permanently exempting an astonishing 48% of all rental housing units, according to my analysis of the 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 creates 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 gives new landlords of exempted properties the unrestrained 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 who faced rent increases of up to \$800 per month after the building changed hands in December of 2016. The new landlord backed down in this particular case after months of collective negotiations by an organized group of tenants demanding justice. This is not an isolated phenomenon, and it will continue to grow until Costa-Hawkins is gone.

Proposition 10, also known as the Affordable Housing Act, if passed, will repeal Costa-Hawkins and restore to cities and counties the authority to determine appropriate rent control and stabilization laws. Proposition 10 will not force every city to adopt rent control, but it will allow communities to expand it for the first time in 23 years. Costa-Hawkins has tied local lawmakers' hands behind their backs by limiting their abilities to deal with how the affordable housing crisis manifests itself in their communities. The time has come to allow cities to decide how to best address the demands unique to them by implementing or expanding rent control. Just cause protections ensure that landlords cannot evict tenants for no reason, ensuring stable housing for current tenants as long as rent remains reasonable.

Though Prop 10 will allow rent stabilization, rent control, and just cause protections to expand, keeping deep-rooted communities in place, and putting the brakes on the growth of rent, it is not the silver bullet that will

single-handedly solve the affordable housing crisis. In particular, Prop 10 reaffirms the existing declaration in California law that landlords have a "right to a fair rate of return on a property," something that stands in contradiction with the notion that housing is a human right.

A commonly cited solution to the affordable housing crisis is simply building more housing units. After all, as everyone who's taken Ec 11, Introduction to Economics, knows, if supply increases faster than demand, prices will fall. Unfortunately, the housing market is not that simple. For one, not every housing unit is the same. 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 a long one, but passing Proposition 10 is the first step towards housing justice.

Vote Yes on Prop 10!

Signed in concurrence  
by Sophie Piao and Reggy Granovskiy.

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# IHC Weekly Public Meeting

Summarized minutes for October 23, 2018.

**Officers Present:** Sarah Crucilla (Chair), Alejandro López (Sec.), Catherine Day (Av), Simon Ricci (Ll), Jack Lloyd (Pa), Emily Wu (Ru), Sophie Piao (Da), Sammy Piascik (Ri), Diandra Almasco (Bl)

**Guests:** None

**Call to Order:** 12:06 pm

## Rotation Duration:

- It was brought up at ACRL meeting that some faculty have a concern about the timing of rotation into the first week of term and how it affects teaching and learning.
- Crucilla wrote up a document for Felicia Hunt summarising some points the IHC has in opposition to shortening rotation and some possible changes to the schedule.
- Crucilla mentions that Frosh Camp is booked for the next 4 years. The IHC discusses possible changes to the rotation schedule, such as desserts/events.

## Other stuff from ACRL meeting:

- House "welcome activities" came up.
- For roompicks: keeping picks for Bechtel suites before House picks was discussed.

## Crucilla's meeting with Tom Mannion:

- ASCIT Haunted House will be in Lloyd House Courtyard.
- ASCIT will probably not do end of Rotation party next year, but will still have food and safety squad.
- Houses who won money at Mudeo will not receive it directly but rather as increases to their Retreat Fund Allotment.

Respectfully Submitted,

Alejandro López, IHC Secretary

Full Minutes are available at <http://ihc.caltech.edu/minutes.html>

On a historical note: these are the first IHC minutes published in the Tech since 28 March, 2011.

**Meeting Adjourned:** 12:50 PM

# 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.

### Midterm Examination Period

Wednesday, October 31st - Tuesday November 6th

### Flu Shot Clinic for Faculty, Postdoc and Staff

Tuesday, October 30th | 12:30 - 3:30 PM | Avery Dining Hall

The FLU vaccines will be provided free of charge to Caltech faculty, staff & postdocs who present a current Caltech ID. Dependents are not eligible.

No sign up required.

Students may visit the Health Center to request a flu shot.

### Let's Walk

Tuesday, October 30th | 4 PM | Counseling Center

Need a break? Want some sun? Reach your daily step goal and make a new friend. Let's Walk takes off in front of Student Wellness Services on 1239 Arden Rd. every Tuesday from 4:00pm - 5:00pm beginning October 2nd.

Attend 5 walks to get a free water bottle! No sign-ups required. Please wear comfortable walking shoes.

### Millikan Pumpkin Drop

Wednesday, October 31st | 11:59 PM | Millikan Library

Anybody can smash a pumpkin, but students at Caltech do it on a grand scale, dropping liquid-nitrogen-frozen pumpkins from the tallest building on campus—Millikan Library—to shatter on the ground below. Over the decades the ritual—begun by undergraduates from Dabney House in 1972—has become a festive annual event,

complete with a cordoned-off safety zone for spectators and even a light show.

### Let's Talk

Friday, November 2nd | 3 PM | North Mudd B114F

Let's Talk is a chance to have brief, informal, and confidential chats with Counseling Services staff. You can ask questions, troubleshoot concerns, find advocacy opportunities, and learn about campus resources. It's not a substitute for formal counseling and is not considered mental health treatment. Let's Talk staff can listen to your specific concerns, help you problem-solve, and connect to resources both on- and off-campus that could be helpful to you.

### Emotional Intelligence Toolkit: Coping without Avoidance

Monday, November 5th | 4 PM | Avery Library

Counseling Services is pleased to announce the third module in the Emotional Intelligence Toolkit workshop series. You can take it on its own, or take all 3 workshops in the series! This fun and practical workshop will focus on how you can tolerate difficult emotional experiences without falling into avoidance such as denial, procrastination, or unhelpful distraction. It's open to all graduate and undergraduate students - come join us!

### Meditation Mob

Tuesday, November 6th | 12 PM | Millikan 9th Floor

The Meditation Mob is a drop-in mindfulness meditation group open to all graduate and undergraduate students. There's no religious component, and it's appropriate for everyone from newbies to more advanced practitioners. Come join us every Tuesday from 12:00 - 12:50 in the study room on the 9th floor of Millikan library!

# ASCIT Minutes

Meetings are every week in SAC 13

## ASCIT Board of Directors Meeting

Minutes for October 26, 2018. Taken by Rachel Sun.

**Officers Present:** Sakthi Vetrivel, Erika Salzman, Varun Shanker, Dana He, Alice Zhai, Rachel Sun

**Guests:** Alejandro Lopez

**Call to Order:** 12:27 pm

## President's Report (Sakthi):

- Had ACRL 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 close today.
- Frosh reps have been chosen and names will be announced soon.

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

- Not present. Report submitted after the meeting.
- IHC 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 about rotation length and will recommend that the student body will be surveyed about that aspect of rotation.
- Page interhouse and Millikan pumpkin drop are happening soon.

### 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 is meeting on Saturday, November 3 to hear pitches from clubs.
- Discussions with the Big T regarding yearbook distribution are happening.

### Treasurer (Dana):

- ASCIT budget meeting is happening this Sunday (10/28).
- Interim 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:** 12:59 PM

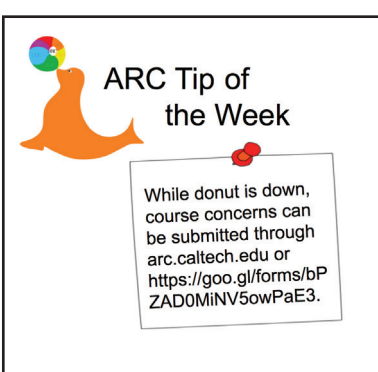
# ARC Minutes

Meetings are every week in SAC 13

**Present:** Erika Salzman, Arushi Gupta, Michael Yao, LC Chen, Shubh Agrawal, Simon Lequar, Daniel Neamati, Sophie Howell, Vibha Vijayakumar, Tanvi Gupta, Andrew Zhou, Alex Reeves

## Meeting:

1. New Frosh Reps!
  - Congrats to new frosh reps: Simon Lequar, Sophie Howell, Shubh Agrawal, Noah Yared
2. Midterms blue books
  - If it is 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 lapel 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 Mannion 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](http://arc.caltech.edu) has more information about what the ARC does if you are interested. We meet every Sunday at 2 PM in SACB122 and our meetings are open to everyone! If you have any questions, please feel free to email [esalzman@caltech.edu](mailto:esalzman@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 tipplers, 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 SHFFLing, 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**

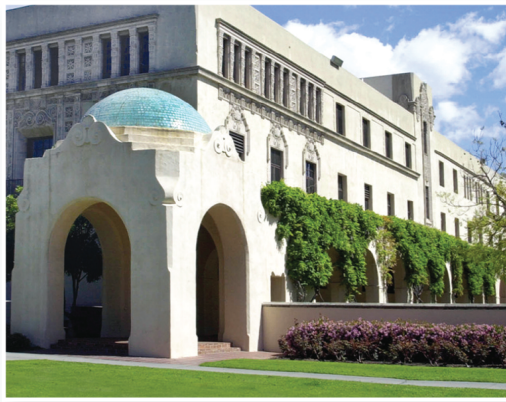
This is an excellent course and you should absolutely take it.

be prepared to see and draw a lot of naked people

**PE 56**

squish squash

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



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Nancy Sulahian, Conductor  
William Schmidt, Accompanist

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Hungarian folksongs  
arranged by Béla Bartók

music on Shakespeare texts  
by Hughes and Loose

Spiritual arrangement  
by Jester Hairston

AND an advance taste of the holidays  
from the Caltech Chamber Singers

Saturday  
Nov. 17, 2018  
8:00 pm  
Ramo Auditorium

FREE ADMISSION

## AMAZON SKYMAIL



SOAIY Sleep Soother Aurora Projection LED Night  
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**\$21.99** ★★★★★prime

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

Tikteck A4 Ultra-thin Portable LED Light Box Tracer  
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**\$22.98** ★★★★★prime

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>



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

<https://goo.gl/forms/yJeB7GrErDq31XHQ2>



## Como Posts Strong First Half in Oxy Visit

**GOCALTECH.COM**  
Actual Sports Content Editor

PASADENA (Oct. 24, 2018) – Sophomore goalkeeper Joe Como (Glen Cove, N.Y. / Friends Acad.) made six acrobatic saves to keep the Caltech men's soccer team competitive with third-place Occidental College on Wednesday afternoon.

Como climbed the ladder on three occasions to keep Oxy shots out of the net traveling close to the bottom of the crossbar. Five of his saves

came in the first half, 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.



Look at that dirt fly.

-gocaltech.com

## Men's Soccer Rallies for First SCIAC Win Since 2011



Pretty sure this is soccer, not cheerleading.

-gocaltech.com

**GOCALTECH.COM**  
Actual Sports Content Editor

PASADENA (Oct. 27, 2018) – A heroic effort from the Caltech men's soccer team netted the Beavers their first SCIAC win under Head Coach Phil Murray in addition to their biggest win in a long time, a 3-2 come-from-behind victory over Whittier College in extra time. The triumph marks the Beavers' first win over the Poets since 2007.

Caltech entered 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.

Caltech cut the deficit in the second half with two goals, the first coming on a long shot from junior forward Kevin Yu (Park Ridge, N.J. / Park Ridge) and the other on a successful Samir Johnson (Portland, Ore. / Jesuit) penalty kick. Freshman midfielder Velissarios Christodolou (Athens, Greece / Athens College) assisted on Yu's goal. Yu, who finished the year with seven goals and 18 points, is responsible for the best individual offensive season under Murray's watch. Sophomore goalkeeper Joe Como (Glen Cove, N.Y. / Friends Acad.), meanwhile gave the home team one more stellar outing in net, stopping seven of nine Whittier shots to give his team a chance to win it late. Como saw his goals allowed average drop by a whole goal in his sophomore season, in addition to a two-percent increase to his save percentage. As a whole, the Beavers quadrupled their goals per game and improved their goal differential from -60 to -25.

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.

## SCORES

**October 13, 2018**

Women's Soccer

**L 0-4**

Men's Soccer

**W 2-3**



Come to mama...

-gocaltech.com

## Vetrivel, Canamas Recognized on Senior Night

**GOCALTECH.COM**  
Actual Sports Content Editor

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. Two of their teammates, junior Lauren Li (Bellaire, Texas / Bellaire) and freshman Alison Noyes (Falmouth, Maine / Falmouth) each hit the 10-kill mark, the first time this season multiple Beavers have hit double-digit kills in a three-set match. Freshman Allie Frymire (Dallas, Texas / Greenhill) carried the Beavers in assists (27) and classmate Megan Wang (Henderson, Nev. / Advanced Technologies Academy) had a big game at libero with 21 digs.

Gardner and the Beavers will end their season on the road at Occidental College on Oct. 27 at 4 p.m.



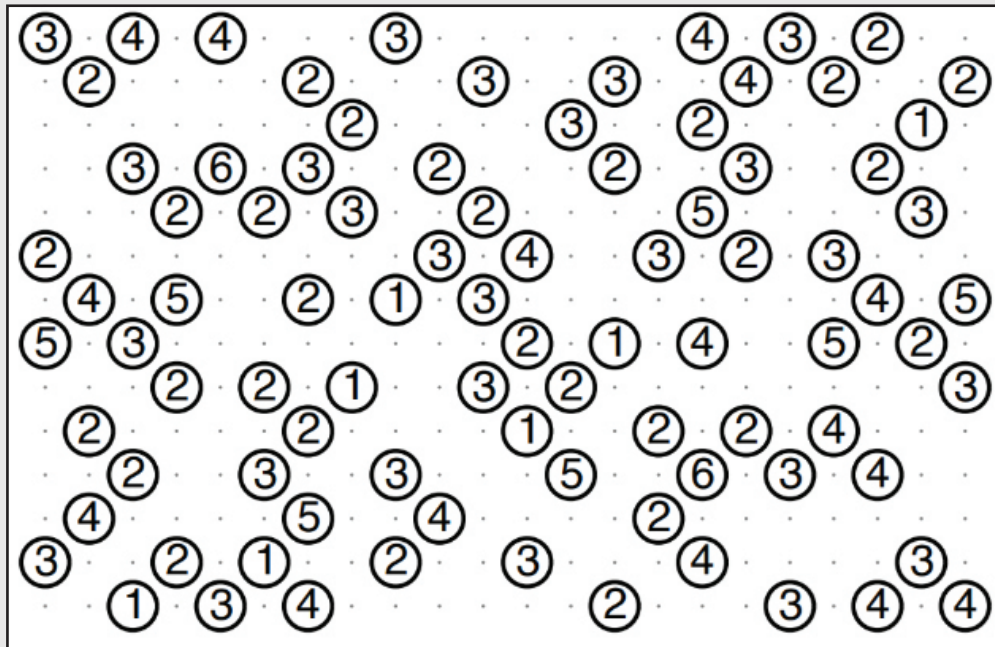
## Bridges

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 crazydad.

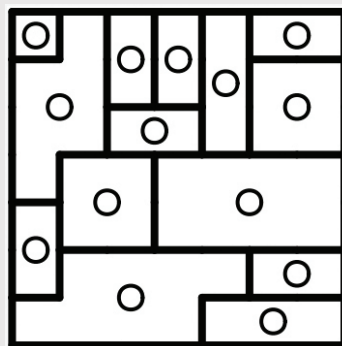


## Galaxy

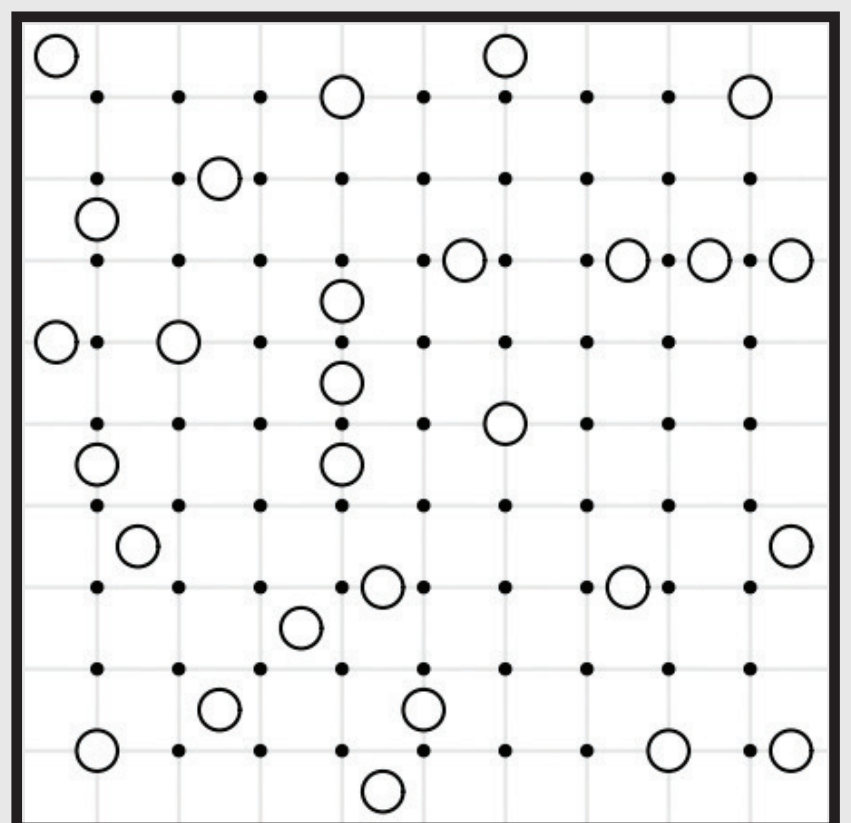
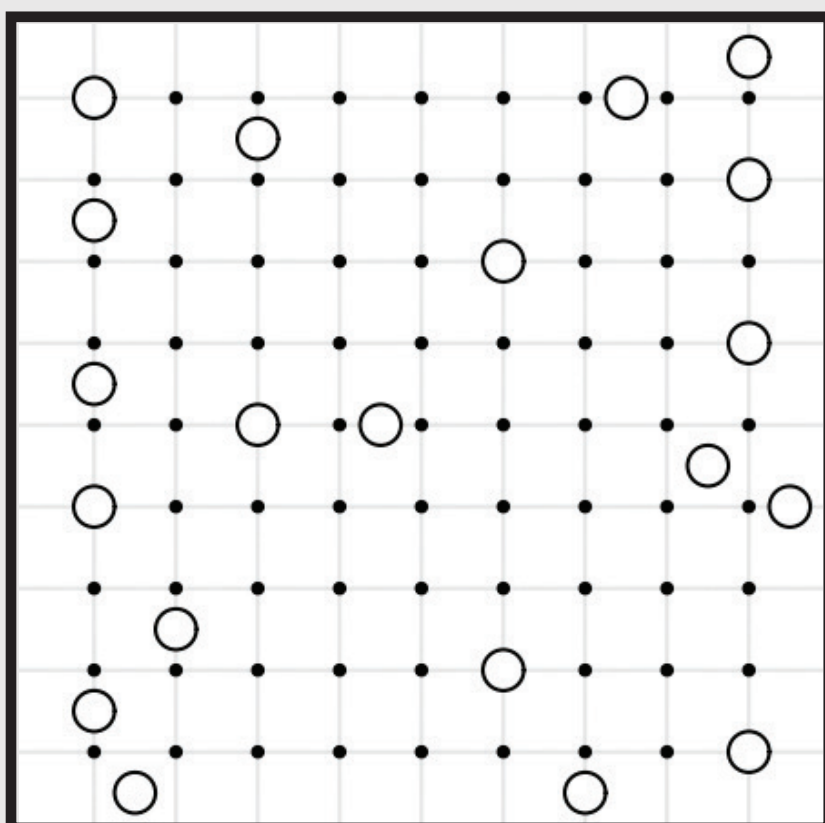
Here's another new puzzle that I found online! Its called Galaxy or Tentai Show in Japanese.

### 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.









## New Courses Next Term

CaLTeCh OFFICE OF THE REGISTrAR

### 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.

#### 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.

#### CS/IDS/EE/CNS/CMS/CBS/Ma/ACM 154, Generative Markov Processes.

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.

#### 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>



Reggy Granovski (b. 1999)  
*Milan What Should THE Title Be? 2018*  
Digital.

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

### The California Tech

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### Letters from the Editors-in-Chief

Amrita Rhoads: y'all should come to pumpkin drop this year!

Sophie Piao: october is one of my favorite months. not only that but pumpkin smells amazing. it makes me go a little crazy on it to be honest.

Milan Roberson: god i'm so tired please let me rest

Dan Xu: When I look up for inspiration there is nothing but ceiling tiles and lights.

This week's recommended Tech usage after reading is: Helping you to remember to vote yes on Prop 10!

### The California Tech

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