



Caltech pulls off second Rose Bowl prank



-Julie Jester

PARUL PUBBI
Contributing Writer

The Caltech culture is an integral part of any Techer's collegiate experience. It comes as no surprise, then, that over a hundred undergrads across every house and class partook in the largest-scale prank that Caltech has seen this year.

On Jan 6th, just 5 minutes before halftime at the Bowl Championship Series, the moment of truth arrived. High up on a hill overlooking the Rose Bowl, the pranksters watched as a crowd of over 94,000 people bore witness to a large Pasadena sign flashing CALTECH in orange lights.

"Pranking the Rose Bowl again was something we'd wanted to do for a long time," said Ricketts senior Samantha Piskiewicz. "We also really loved the Hollywood sign

prank, so we thought we'd merge the two and pay homage to both."

It all started when Julie Jester, president of the Prank Club, emailed potential recruits a week before construction began. Five days before the championships, the construction of eight 12 feet by 20 feet frames started with a core group of about 20 people. Though the initial plan was to build and show the sign at the Art Center College of Design, the group received word on the second day of construction that the president of the Art Center had vetoed the use of the location. With the aid of Tom Mannion, Vice President for Student Affairs and the Prank Club advisor, Professor emeritus Kip Thorne was brought into the scheme. Because Thorne's home in Mirador Ranch had a hill overlooking the Rose Bowl, with Thorne's and the HOA's approval, construction began at the site. "The key was when the Mirador Ranch HOA gave approval to let the students carry out the prank," explained Mannion. "Then we knew we could carry out the prank without any police shutting us down."

With a location secured, work on the sign continued.

Caltech's prank fund, which alumni periodically donate to, provided the \$10,000 necessary for supplies. Christmas lights were

then taped to the Pasadena sign so that they would spell out "Caltech" and excess lights were taped off. The green strings of wire were then painted white to match the sign. Hannah Dotson of Dabney House

took charge of ensuring the lights worked. Car batteries were used to provide the voltage necessary to produce the effect.

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-Julie Jester

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

by *The Tech Eds*

Medical research funded	\$11M given for research on biodegradable glue to replace sutures	[CNN]
Chinese to ban smoking	32 Chinese cities will ban smoking in public by the end of the year	[CNN]
MLB lowers suspension	162 -game suspension imposed on A-Rod, less than the original 211	[ABC]
Yelp posts questioned	7 Yelp reviewers ordered to be revealed by court for investigation	[CNN]
Christie causes traffic	4 -day traffic jam in Sep. found to be caused by NJ governor's aides	[ABC]
College athletes tested	60 percent of surveyed college athletes read at 4th-8th grade level	[CNN]
Ariel Sharon passes	85 -year-old former Israeli prime minister passes away after coma	[NYT]

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*

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ASCIT Minutes*

*(Since there was no meeting during the break)

Minutes for November 19, 2013. Taken by Catherine Jamshidi

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

Guests: Connor Rosen, Margaret Lee

Call to Order: 9:05pm

President's Report (Zach):

- In my candidacy statement from April, I advocated for student leadership to take a level headed approach with the administration and focus on increasing student mental health resources. The process has usually been successful, and the most recent and largest accomplishment is an evening hours pilot program. After half a year of civil discussions with Kevin Austin, Leslie Nye, Tom Mannion, Anneila Sargent, John Dabiri, plus many other invaluable participants, along with a recent hardline passionate Faculty Board presentation, a limited evening hours trial will go into effect until the end of this academic year. This is an incredible step forward for the Caltech safety net and auspiciously points towards a positive shift in relations between students and student affairs. I hope to see further improvements during the next half of ASCIT's term and in the years ahead. Significant thanks goes to those mentioned above along with the student leadership, the Head UCCs, and especially to the IHC Chair Connor Coley for spending an innumerable number of hours and offering constant support through the entire process.
- Club funding has been completed.
- The ASCIT retreat and midyear reviews occurred. Survey responses were very helpful for framing discussions and supplying appropriate feedback.

Officer's Reports:

- **V.P. of Academic Affairs (ARC Chair: Malvika):**
 - Meeting with Provost Online Education Committee
 - Flipped classroom vs. online courses
 - Faculty don't want to dumb down standards
 - Concrete proposal: CS0
 - The second Student-Faculty Lunch was this past Thursday. We have continued to see a large amount of interest in this program from both students and faculty.
 - The ARC is interested in adding a compliments section to the ARC Concern Box on Donut.
- **V.P. of Non-Academic Affairs (IHC Chair: Connor):**
 - The IHC is working with Jon Webster and Dining to enter nutrition information of food options. If you're interested in helping us with data entry (for some money), send me an email. We'll likely begin around winter break.
 - Invite your professors to your house dinner! It's a great way to get to know them in a non-academic context.
- **Director of Operations (Connie):**
 - Remember that you can still register a new club anytime! Apply at clubs.caltech.edu
- **Treasurer (Monica):**
 - We finished Club Funding and I will be publishing the breakdown of the 2013-2014 budget on Donut.
- **Social Director (Michelle):**
 - The Ice House comedy show event will likely be made a termly event.
 - Page Interhouse: Daft Punk was this past weekend.
 - The Wallpaper. concert will be Friday, December 6th, at 9PM on Bechtel Mall (just west of Millikan).
 - There will probably be an after-party (details to follow) with a Snap Yourself! Photo booth.
- **Secretary (Cat):**
 - Connor Rosen and I have created a follow-up survey to gauge trends in feedback on the student experience. It should take no more than 5 minutes to complete and there will be several Amazon Gift Cards awarded to randomly selected people who responded to the survey. Go fill it out!!
 - I sent out all of the club funding decision emails and tried to provide reasoning for our decisions. If any clubs have any questions, please do not hesitate to ask!
 - I'm working to schedule ASCIT meetings for 2nd term.
 - I've posted all of the recent minutes on the Donut Website and have compiled a list of action items to follow-up on for each BoD member.

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: 10:53 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!

Here's a sampling of past programs held by the Y:

- Alternative Spring Breaks: Costa Rica, New York, Yosemite, San Diego, San Francisco
- Make-A-Difference Day: Hillside Home for Children, LA County Arboretum and Botanic Garden, Children's Hospital

Los Angeles (Coachart), Eaton Canyon, Lifeline for Pets

- Explore LA: Cirque Du Soleil TOTEM, Next to Normal musical, Norton Simon Museum trip

Upcoming programs for this term include the Costa Rica Alternative Spring Break and an Explore LA Lakers Game! Stay tuned!

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.

BCS National Championship pranked by Techers

Continued from page 1

Each of the 8 boards for the letters was split in half to drive it to location in a truck. Actually setting up the frames, however, proved far more difficult than originally anticipated. "The hill was near a 60 degree incline, and we had sixteen massive signs to carry up," Jester elaborated. "When we initially saw the space I was really skeptical about how we could conceivably get everything up there."

Talia Minear, a Blacker House freshman, explained the process by which the signs were set up: "We rigged up a really excellent pulley system to get it up half way, with people on harnesses as a counterbalance." Minear continued, "My favorite part was rappelling down the hill to hoist the letters up. It still took us eight hours to hoist it and about ten more to assemble everything once we were there."

On the day of the game, the lights went on as planned. What wasn't planned, however, was the difficulty in keeping the lights flashing. As Piszkiwicz explained, "There were a lot of technical difficulties because the inverters were really bad. Batteries that were supposed to last for several hours only held for significantly less than that. We had to be really innovative." In order to maximize how long the batteries lasted, only some lights were used: patterns were flashed such as "Cal" and then "Tech"; or each letter in a sequence. The hundred Techers that showed up at the Rose Bowl throughout the day took batteries from their cars at the bottom of the hill and used them to maintain the power.

"For scientific progress, you need a little bit of rebellion at times," says Piszkiwicz. "There are a lot of crazy ideas that people try to shoot down. Caltech teaches us to be creative—to consider those ideas, work together, and follow through."

Top: A group of the Rose Bowl pranksters pose with Professor Kip Thorne (center, wearing a hat) on whose property the sign was erected.

Bottom: A full view of the Pasadena/Caltech sign.

-Julie Jester



Brad/Chad Couture: A guide for traveling in style

BRAD CHATTERGOON
Contributing Writer

Happy New Year and welcome back to the new term! I hope that you guys are refreshed and ready to get to work on what I'm sure will be another term of sacrifice, sleepless nights, and lots of crying over how much work we have to do... ok, maybe that crying part might be just me.

To kick things off I want to talk about what to wear when traveling, since we've all just been traveling this might be a good time to potentially review our clothing choices.

GENTS:

Let's start with your choice of pant: The duration of a flight is spent mostly being seated and, if lucky, sleeping.

This means that it is important that whatever is on your lower half better be breathable and comfortable.

For some this means sweatpants but sweatpants are the lazy man's approach to travel and do not come off as stylish. I recommend a trim fitting pair of jeans with 2% spandex/elastin. These give you the style that contributes to a put-together look after a long flight while still providing all the comfort that you would want.

Your shirt choice: Go with a comfortable button down. I like to go with a solid color shirt in a classically masculine color like blue or grey (black is a little bit strong for a casual activity like flying); other colors are great, too, but try to keep the feeling of the color casual by picking lighter shades or going with pastels.

Shoes: I know that you might be tempted to go with flip-flops or trainers but I recommend against it. A seasoned well-styled traveler pairs his outfit with either sneakers for a very casual, low-effort look or a pair of loafers for a more business-ready appearance. Do remember that airport security lines require removal of shoes so pick footwear with this in mind.

Outerwear: For guys there is only one desirable piece of clothing: a blazer. The blazer is great for travel. It offers a great addition to your silhouette and pockets. Oh, the pockets. They are perfect for holding your headphones, passport and boarding pass. They also allow you to avoid using your jean pockets for even more comfort.

Carry-on: If you can, ditch the rollaboard in favor of a duffel bag as your single carry-on item.

Duffel bags have a masculine feel to them and are much easier to carry around without compromising much in the way of packing space. Determine the size that is right for you, as larger duffels might be excessive for a person who does not take much on-board with him. Duffels take up less space in the overhead bin so it's much more likely to find a spot for your bag and smaller duffels can easily fit below the seat in front of you.

LADIES:

(The following was written assuming knowledge of the preceding portion of the article.)

Bottoms: Feel free to swap out denim for leggings but resist the urge to don the yoga pants. Airplanes are cold and this ain't the gym.

Tops: As usual you have a bit more freedom in this department. A fun tee or a vest top, either paired with a scarf, are great options. If in doubt, a fitted button down will not fail to contribute to a great travel outfit.

Shoes: Again, avoid flip-flops and trainers; also add heels to that list. Boots are good, boat shoes are also nice, and I'm a big fan of a girl in ballet flats with a brightly colored toe.

As before, recall airport security lines so avoid anything that has straps, buckles or other impediment to removal. Keep it simple.

Outerwear: Blazers with the sleeves slightly rolled are an amazing choice. A cardigan also works wonders.

Carry-on: Opt for the carry-on sized rollaboard and a tote, as these are two very feminine items to travel with.

Remember that traveling can be a stressful time, so try to relax, stay hydrated, and if you tend to drool when you sleep, it's only fair to warn your neighbors. Safe travels!



A Techer models a trim fitting and comfortable pair of jeans along with neutral-toned shoes and a Breton-striped shirt.

-Jonathan Schor

The Caltech Blind Dating Service offers new experiences

CALTECH BLIND DATING SERVICE

Sometimes life presents us with clear choices, but often it takes searching and help from others. At Caltech, we often get stuck in small bubbles, surrounded by the same people doing the same things.

When looking for friends and significant others, we are often limited by our major, house, sports teams, etc. But there is so

much more to life! That is when the Caltech Blind Dating Service comes in. We offer free matching and organization of blind dates for all undergrads that pass a simple safety screen. Not only do you get to meet someone new, but you also get to dress nicely, have fun, explore Pasadena, and meet a nice guy or girl with no hidden expectations!

What is our definition of a blind date? A blind date is where two

people meet up at a specified time to get some sort of food or drink. These people may be acquaintances, but they will not run in the same circles. For our service, we will flip a coin to determine who will pay for the date, but if you are morally against this you may state so in your application.

What do you need to do? Send an email to blinddate@caltech.edu with your name, age, favorite book, and availability. Please include any

additional information you think will help our matching process. Finally, please give the name of a person you would like us to use for more information about you.

We will confirm your application within 48hrs of your email, and notify you within two weeks if we find a match. After arranging a blind date, we will provide optional tips for success. Remember, this is a fun experience to meet someone new.

Former clients have said:
"I got lost, but I was found and got to star in a movie."

"I will definitely do this again!"
"Why did I agree to do this? Well it was fun..."

"That was freaking AWESOME!"
So send an email, and let us do the rest.

Lots of love,

The Caltech Blind Dating Service

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*

Wig Out At Jagbags proves to be predictable

NAILEN MATSCHKE
Contributing Writer

Stephen Malkmus is an artist who may not be known by name, but his work is almost certainly familiar to many. As a founding member of California indie rock group Pavement, he toured as their singer and one of their two guitarists, and contributed the majority of the band's songwriting from 1989 until they broke up in 1999. While they may not have quite the modern-day following of other products of the decade's scene such as Neutral Milk Hotel and Of Montreal, they do have a healthy cult following, and their hit single "Cut Your Hair" is still well known today.

After Pavement, Malkmus immediately jumped into a solo career, forming The Jicks and releasing *Stephen Malkmus* in 2001. Since then, Stephen Malkmus and the Jicks have released five albums: *Pig Lib* (2003), *Face The Truth* (2005), *Real Emotional Trash* (2008), *Mirror Traffic* (2011), and *Wig Out At Jagbags*, which released on January 7, 2014.

Typically, Stephen Malkmus and the Jicks have remained fairly close to traditional Pavement-style music, opting for cleaner sound instead of the latter's lo-fi approach, but generally keeping the meandering, light indie- and alt-rock songs that are easy to digest but not quite pop radio material. The solo act nature of the group has allowed Malkmus to embrace some experimentation, introducing prog-rock-like guitar solos, time signature transitions, and other elements not entirely expected in this style of music. However, I can't help but feel that this ability for him to "do whatever he wants" has led to a sort of stagnation in his songwriting where he's just doing it for fun instead of trying

to make a statement or something catchy or anything that usually motivates bands to expand and push forwards. I have absolutely no problem with this—I've been a member of several bands and I've messed around, writing songs by myself for myself, and the latter is less stressful and easy to see the appeal of. However, that's just not what I'm looking for in my music, and so the majority of Malkmus's work is a bit lost on me, with its

a generally slower and quieter sound. The album's opener, "Planetary Motion," gets off to a good start with a strong pulse, contrast between shimmering high notes on guitars, and dark, heavily distorted riffs. The drums feel a little weak, relatively quiet in the mix and rarely doing anything but providing a backing for the song which sounds like it could have in most cases been accomplished with electronic drum loops.

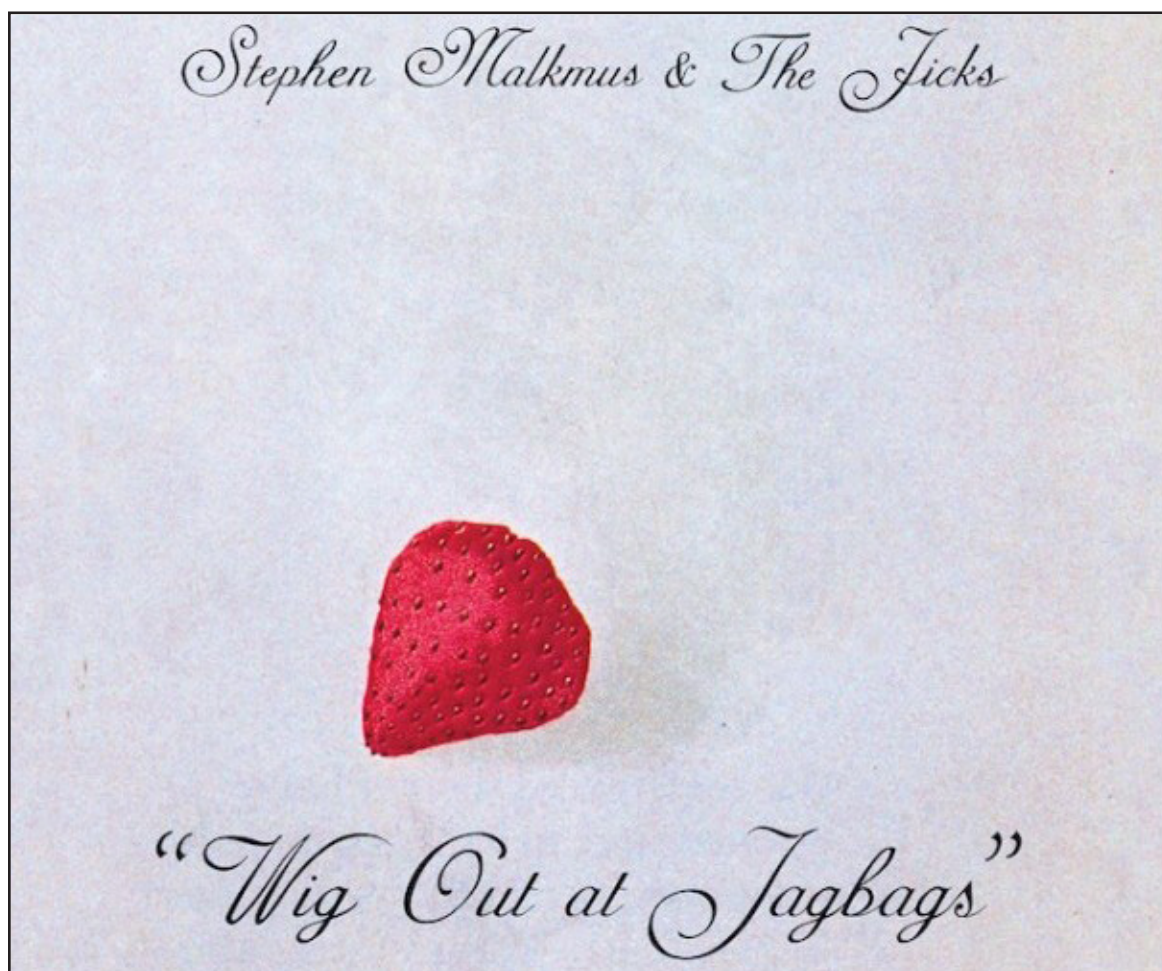
"The Janitor Revealed" has an undeniably catchy vocal part the entire way through, and there are some very well-constructed moments between them and the guitars, clearly written by someone who understands what makes music sound good. To me, though, the song felt like it was always building up to something, and then there was never actually a loud chorus or really anything besides incredibly mellow alt-

about the A-D-Ds" amongst other lines.

Most of the middle of the album is forgettable, with the most musically interesting track being "Rumble At The Rainbo" which includes a reggae-like section, punk influence, and a bit more energy in its lyrics, which seem like they might be tongue-in-cheek as Malkmus invites people to "come slam dancing with some ancient dudes" as they "are returning, returning to [their] roots" since "no one here has changed and no one ever will." After that comes "Chartjunk" which is altogether pretty generic light-rock, but masterfully composed so as to make me enjoy these themes I have heard time and time again.

The last three songs of the album, "Scattagories," "Cinnamon and Lesbians," and "Surreal Teenagers," have relatively slow tempos but are in fact three of my favorites, since the vocals actually take on some emotion, the instruments effectively use dynamics, and all three have some seriously tight interactions between every instrument, including acoustic guitars.

In the end, there is nothing really wrong with *Wig Out At Jagbags*. There are no bad songs; they are actually all really solidly put together. But the music never goes anywhere, never surprises you, never really does anything that Malkmus hasn't before. Maybe I'm just too young to be in the frame of mind to appreciate that, but I didn't get much out of any but my first listen, try as I might. It goes almost unsaid that fans of Pavement or '90s lo-fi like Sebadoh will probably enjoy this album, as might those of lower-key modern indie outfits like Best Coast or even those partial to Wavves if they're looking for something a little calmer.



-<http://www.indierock.co.nz/>

predictable, easygoing structure and sound that just doesn't seem to convey much emotion.

Wig Out At Jagbags, for the most part, follows this trend, although it is a bit different from the preceding *Mirror Traffic*, with

Almost halfway through the album, we get a solid groove with an insane amount of distortion, and a dual-guitar solo that sounds like it could have come from a classic Weezer record. The next two songs are also fairly enjoyable.

rock. "Lariat" then demonstrates what makes up the majority of lyrical themes on this album, with Malkmus (who is now 47 years old) reminiscing on his youth, singing "We grew up listening to the music from the best decade ever / Talkin'

Homeless caught in dangerously cold polar vortex

SHANNON WANG
Contributing Writer

The polar vortex has not been kind to the country. It has swept over the land, freezing everything in ice. A satellite picture shows the eastern half of the US covered in white. The east coast, South, and Midwest will find that they won't have a reprieve; there's another cold blast coming. I understand that this is far removed from our students' lives—perhaps it was of concern to the unfortunate students trapped in the airports at the beginning of the week, but now that we're all back in southern California, we'll find ourselves forgetting that this winter has been unusually cruel. After all, it feels more like summer than winter here; we're enjoying sunny weather in the 70s and 80s.

I think it's fair to say that most, if not all, of Caltech's undergraduates—former, present, and future—will never have to know how it feels to shiver under a

bridge in negative degree weather with nowhere else to go. We won't have to scramble for homeless shelters or churches when the ice storms come, nor will we ever have to hope that we'll be lucky enough to find an exhaust vent if we are left out in the bitter cold. But nevertheless, we should know how those who are in such predicaments feel, because they're dying in our country, a first-world country.

The polar vortex has hit the homeless population hard. If three homeless people died of hypothermia in Costa Mesa, CA last year, then surely many more are dying in the frozen states. Indeed, the polar vortex has claimed at least 21 lives, and several of the victims were identified as homeless people who couldn't make it to the shelters in time. Even those who did manage to secure a temporary haven from the cold did it with great difficulty; the shelters have been thrown into disarray and chaos as they get increasingly crowded. It has been

an organizational nightmare to provide shelter to the increasing homeless population.

What we must understand is that we can't fault the homeless for their current plight. It has been increasingly difficult to afford housing. The National Low Income Housing Coalition has produced maps describing the number of hours it takes for minimum-wage workers in the US to afford a two-bedroom unit at Fair Market Rent. A standard work week is 40 hours; in 2012, Arkansas' minimum-wage workers had to work 66 hours a week to afford rent. This was the lowest number on the map. In 2013, the number of hours required for the same workers to afford rent in Arkansas climbed to 70.

For most of the states, the numbers of hours required for a worker on minimum wage to afford rent increased drastically; there were a few states in which the number of hours decreased, but even so, the workers didn't benefit

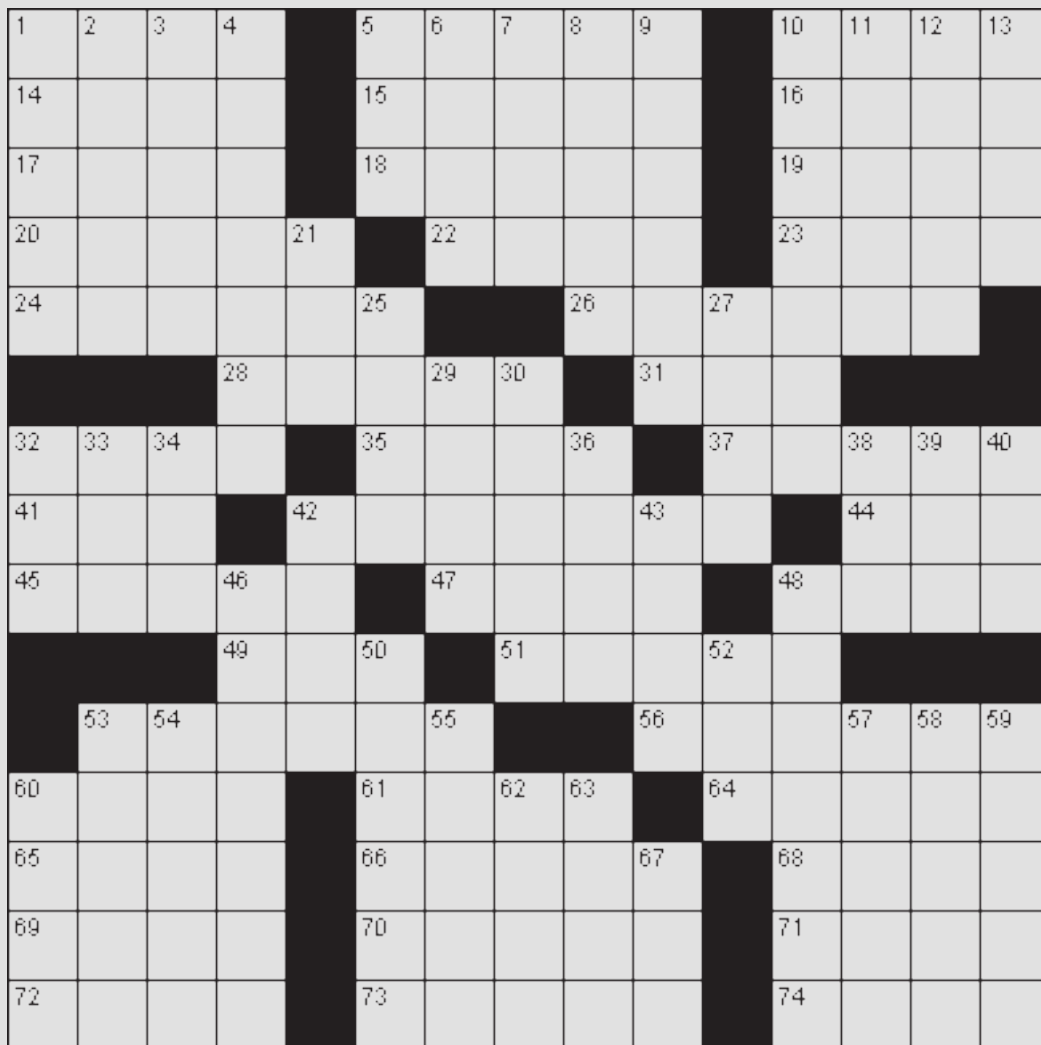
much—California's workers had their hours dropped from 130 a week to 129 a week. There are 168 hours in a week, so if the workers worked 129 hours and slept for the remaining hours, they would have only been able to sleep for 5.6 hours a day. They wouldn't have had the time to find better jobs, go back to school, or do anything to improve their quality of life if they wanted to afford rent.

If the relationship between rent and minimum wage continues to follow the current trend, many workers will soon find themselves joining the homeless. The costs of food, shelter, and clothing have skyrocketed; the value of minimum wage has plummeted. Minimum wage is not the same as living wage, and even with the increases at the beginning of the year, it is still insufficient. If the inflation of the cost of living greatly exceeds the increases in minimum wages, then the increase of wages is largely symbolic and utterly useless.

Cheap rent must be affordable on minimum wage before there can be a decrease in the homeless population.

This isn't a call for students to act heroically; at this point, there is little we students can do for the homeless on the other side of the country, aside from donating money to the Salvation Army and other charities. This also isn't a call for students to become social justice activists; minimum wage is a political matter for the most part, and I know that we rarely concern ourselves with politics. That's fine. But there are also Teachers who will be entering the economic sector, who will be joining non-profit organizations, who will be working in the public sector. We are and will always be influential. There is much we can do to improve the world, not only through making scientific and technological breakthroughs, but also through designing solutions to remedy our society's ills and inefficiencies.

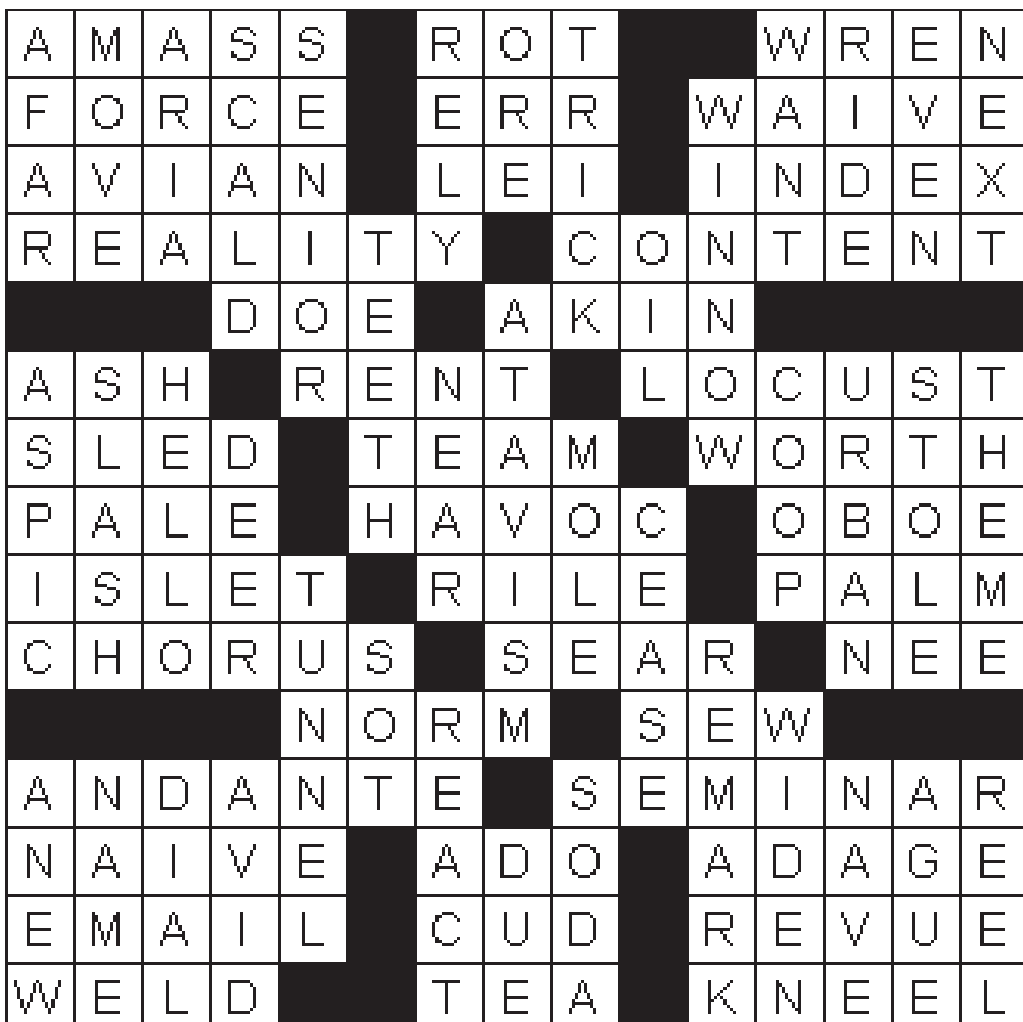
Today's Puzzle: Crossword



- Across**
- 1. Unit of area
 - 5. The least favorable outcome
 - 10. Affirm
 - 14. Part of a hat
 - 15. Become less in intensity
 - 16. Stupor
 - 17. Possess
 - 18. Demon
 - 19. Succulent plants
 - 20. Open and observable
 - 22. Shout
 - 23. Repair
 - 24. Consumer price
 - 26. Official emissary
 - 28. To the lowest degree
 - 31. Operate
 - 32. Female red deer
 - 35. Civil wrong
 - 37. Faculty
 - 41. Metal bearing mineral
 - 42. Indulgent
 - 44. Hawaiian garland
 - 45. Migratory aquatic birds
 - 47. Strong wind
 - 48. Encounter
 - 49. Sensory organ
 - 51. South American cud-chewing animal
 - 53. Floor covering
 - 56. Type of sailing vessel
 - 60. Stinging insect
 - 61. Pack to capacity
 - 64. Turn up or remove earth
 - 65. Dull pain
 - 66. Roof overhang
 - 68. Inert gas
 - 69. At that time
 - 70. Part of a play
 - 71. Receive something that is offered
 - 72. Portable shelter
 - 73. Swagger
 - 74. Afresh
- Down**
- 1. Loathe
 - 2. Have a great desire for
 - 3. Heavy stud fastener
 - 4. Precious stone
 - 5. Batch
 - 6. Comply
 - 7. Rant
 - 8. Static photograph
 - 9. Bank cashier
 - 10. Intransigent
 - 11. Personal attendant
 - 12. Earth's protective layer
 - 13. Unwanted plant
 - 21. Bind
 - 25. Tardy
 - 27. Strong current of air
 - 29. Birdcall
 - 30. Test
 - 32. Sheep up to the age of one year
 - 33. Anger
 - 34. Indicating maiden name
 - 36. Narrate
 - 38. Beer
 - 39. Charge for professional services
 - 40. Healthy
 - 42. Jump
 - 43. Close
 - 46. Ophidian
 - 48. A dark purple-red
 - 50. Niche
 - 52. Indicating center
 - 53. Hoard
 - 54. Livid
 - 55. Extended area of land
 - 57. Get or derive
 - 58. Summon up or bring into existence
 - 59. Regenerate
 - 60. Unit of power
 - 62. Allege
 - 63. Bill of fare
 - 67. Fixed and unmoving

[www.puzzlechoice.com]

Answers to last week's crossword puzzle from puzzlechoice.com



Caltech Public Events is now hiring student ushers. \$15 per hour to work concerts, performances, lectures, films and parties.

*No experience needed, no hard labor, flexible schedules.
Requirements: Caltech student, Positive attitude, Friendly personality

To apply email Adam Jacobo (ajacobo@caltech.edu) or call (626) 395-5907

For info on Caltech Public Events visit: www.caltech.edu/content/public-events

Beavers face stiff competition at Western Invitational

GoCaltech

Facing their best competition to date, the Caltech fencing team traveled to the Western Invitational on Saturday afternoon which was hosted by Stanford.

The event featured one top 10 team (Northwestern University) as well two others (Stanford University and Air Force Academy) who were just outside the national rankings.

Highlighting the event for the Beavers was the men's 16-11 win over Florida. All three respective weapons won their bouts as Epee and Sabre both posted 5-4 victories while Foil won 6-3. Matthew Jin continued his fine first-year campaign with a perfect mark in his three foil matches. In their three bouts, Stan Schor (Epee), John Christian (Epee), Harrison Miller (Sabre), Jon Schor (Sabre) each

chipped in two individual wins during their respective weapons.

The women's team had its best showing in the event against Florida as well. While the Gators won 17-10, a handful of Beaver fencers posted multiple win in their respective weapons. Christina Meyer posted two wins in her three epee bouts. Both Katie Fisher and Emila Hernandez won twice in their Foil bouts while Sonia Kim

had two victories in her Sabre bouts.

MENS RESULTS

Air Force 22, Caltech 5 (Epee 8-1, Foil 6-3, Sabre 8-1)
Stanford 25, Caltech 2 (Epee, 8-1, Foil 8-1, Sabre 9-0)
Caltech 17, Florida 10 (Epee 5-4, Foil 6-3, Sabre 5-4)
UC San Diego 24, Caltech 3 (Epee 8-1, Foil 9-0, Sabre 7-2)

WOMENS RESULTS

Air Force 22, Caltech 5 (Epee 7-2, Foil 6-3, Sabre 9-0)
Stanford 22, Caltech 5 (Epee 9-0, Foil 5-4, Sabre 8-1)
Northwestern 27, Caltech 0 (Epee 9-0, Foil 9-0, Sabre 9-0)
Florida 17, Caltech 10 (Epee 7-2, Foil 5-4, Sabre 5-4)
UC San Diego 22, Caltech 5 (Epee 9-0, Foil 6-3, Sabre 7-2)

Beavers open 2014 against Pomona-Pitzer, Occidental

GoCaltech

In their first meet of the 2014 calendar year, the Caltech swimming and diving team had a host of solid finishes against Pomona-Pitzer and Occidental.

Jacqueline Masehi-Lano finished first in the 200 yard butterfly with a time of 2:13.68. During the 100 yard butterfly she placed second with a time of 0:59.87 which was just 0:00.57 away from winning the event.

The duo of Patric Eck and Chris Bradley scored points for the Beavers in the 200 yard freestyle. Eck clocked a time of 1:52.60 to place third, which was less than two seconds away from winning the event, while Bradley's time of 1:55.34 placed him fourth.

Kevin Yu placed third for the Beavers in the 200 yard butterfly with a time of 2:04.39. Yu also finished third during the 100 yard event by touching the wall at 0:54.37.

The diving duo of Alex Place and Ben Grabowski had a fine afternoon. Place won both the one- and three-meter diving competition with scores 183.70 and 201.10 respectively. Grabowski was just a few points behind Place in the one-meter with a score of 178.80. He tallied 164.75 points in placing third during the three-meter competition.

Next weekend Caltech hosts Whittier on Saturday at 10:30 a.m. and will also welcome Chapman and Mills from a Sunday tri-meet.



Caltech swimmers compete in Claremont against Pomona-Pitzer and Occidental.

-gocaltech.com

Weekly Scoreboard

Women's Basketball
vs. Hamline (@ CMS)
L, 90-58 Final

Men's Basketball
vs. Cornell
L, 61-49 Final

Men's Basketball
at La Verne
L, 62-52 Final

Men's Basketball
vs. Ohio Northern
L, 102-69 Final

Women's Basketball
at La Verne
L, 70-67 Final

Men's Basketball
at Redlands
L, 82-69 Final

Women's Basketball
vs. Swarthmore
L, 97-80 Final

Women's Basketball
at Redlands
L, 66-25 Final

Men's Basketball
vs. Cal Lutheran
L, 77-53 Final

Women's Basketball
vs. Cal Lutheran
L, 79-69 Final

PRINCIPLE OF LEAST ACTION BEN BARTLETT

A COMPARISON

#2 - "HOGWARTS"

BETWEEN CALTECH AND HOGWARTS HOUSES



CALTECH



HOGWARTS

DABNEY

RAVENCLAW

BLACKER

RAVENCLAW

RICKETTS

RAVENCLAW

FLEMING

RAVENCLAW

RUPDOCK

RAVENCLAW

LLOYD

RAVENCLAW

PAGE

RAVENCLAW

AVERY

RAVENCLAW

(ALSO, EVERY TIME I SEE SOMEONE SPELL IT "CALTECH",
I POST ON SOME INTERNET FORUM TALKING ABOUT "HOGWARTS".)

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*For more photos,
videos, and archives
of previous issues,
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website!*

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