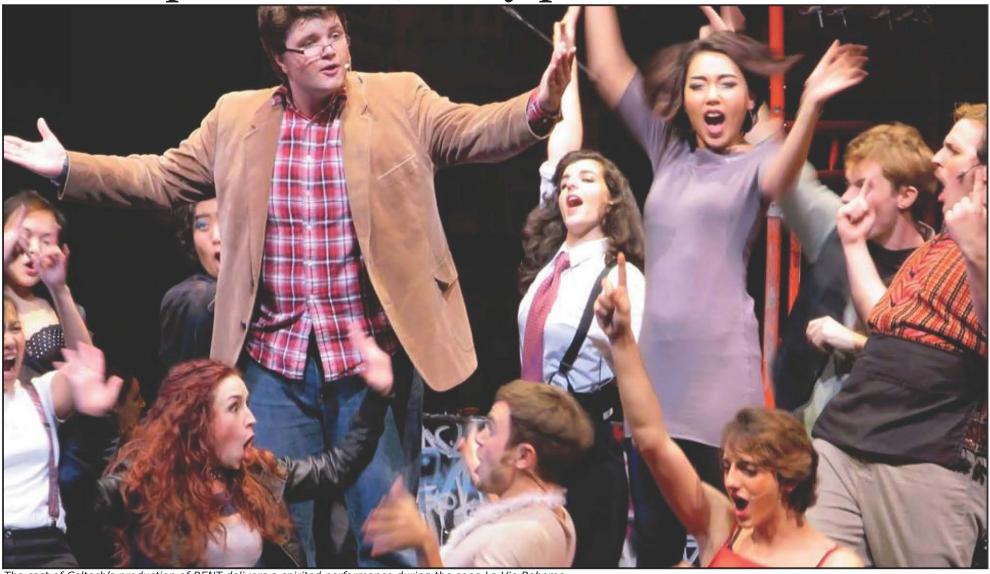
## Caltech puts on fun, lively performance of RENT



The cast of Caltech's production of RENT delivers a spirited performance during the song La Vie Boheme.

-Professor Sergio Pellegrino

#### **CASEY HANDMER** Contributing Writer

Following the highly successful 2013 run of "Little Shop of Horrors", starring former Ruddock Hovse President Jeff Sherman as a Peter Lommen, Rebecca Tang,

deluded homicidal florist, Caltech's theater groupies bring you "RENT", the acclaimed musical by Jonathan Larson. RENT features an array of Caltech undergrads including actors Daniel Gomez,

> Lucy Chen, Daniel Ilyin, Leder-Luis, musicians Juliet Su, Evan Davis, Andy Zhou, and Angela Gui, and crew Nikhita Poole, Stella

the rock opera won three Tony's for Best Musical, Best Score, and Best Book, not long after its writer Larson tragically died. Set in Manhattan's East Village during the year 1990, the story follows the lives of an ad hoc family of bohemian misfits as they come to terms with poverty, addiction, and terminal disease.

As emphasized by Phil Baty's article in the Times Higher Education on 2/6/2014, Caltech's unusual success often comes down

generous institutional support, and RENT is no exception! It is difficult to believe that a show of this magnitude could ever be produced on a shoestring, let alone in only six weeks. A formidable team, comprised of undergrads, grad students, staff, alumni, JPL engineers, and members of the community have met the challenge with the same intensity they bring to bear on their day jobs. Catching a break back stage it's incredible to swap stories with engineers

describe what Sean Connery once said to Michael Bay, and freshman undergraduates starring as lead characters in their first show.

RENT played before great crowds last Friday, Saturday and Sunday, where the cast was joined by Professors Julia Greer and Melanie Hunt performing the coveted 'squeegeeman' cameo. There are two more performances this weekend at Ramo Auditorium on Friday, February 28, 2014 at 8:00 PM and Saturday, March 1, 2014 at 1:30 PM. Tickets are \$5 for

### n this issue and Harrison Miller, musical director Jetson

#### **NEWS**

Pianist performs at Disney Concert Hall

#### **OPINION**

A look at Scott Lynch's books

#### **FEATURE**

Nailen checks out Glitch Mob

#### **SPORTS**

Women's tennis scores victory

#### Wang, and Andre Ramos. to a small core of highly dedicated who worked on the Curiosity First performed in 1994, enthusiasts pursuing their passions rover, Hollywood set builders who News briefs from around the globe

#### Helping readers burst out of the Caltech bubble

**Need to know** 

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

by *The Tech* Eds

**Medals of Honor given** 

**24** veterans previously subject to prejudice will finally be honored

**G20** members set goal

**2%** increase (\$2 trillion) in countries' GDP set as goal in next 5 years [BBC]

Major drug lord arrested 13 years after escaping prison, most-wanted drug lord caught by US [NYT]

**Ukraine** president flees

**1** day after peace talks with opposition, "coup" leads pres. to flee Kiev [NYT]

CO leak found too late

**27** hospitalized, 1 dead from carbon monoxide leak in NY restaurant [CNN]

Thai protestors killed

**2** dead, 20+ wounded from attack on anti-govt. protestors in Thailand [BBC]

**Bus station bombed** 11 killed, 15 wounded in bombing at busy bus terminal in Pakistan

## **Food with Mannion!**

Do you like eating food?

How about free food at nice restaurants?

Ever want to tell the world exactly what you think of said food?

The Tech will be beginning a new column to chronicle the foodie experiences of new writers every other week...The Catch: They'll be going head-to-head with Tom Mannion who will be reviewing the same restaurant. If you have ever thought you were more of a gourmand than our resident master chef, now's your chance to prove it!

Email us for a spot on the list at tech@caltech.edu

#### The California Tech

Caltech 40-58, Pasadena, CA 91125 advertising e-mail: business@caltech.edu editorial e-mail: tech@caltech.edu

> Editors-in-Chief Jonathan Schor Stanford Schor

News Editors Neera Shah Nehaly Shah

Photography Editor

Staff Brad Chattergoon Nailen Matschke Parul Pubbi Shannon Wang

Circulation Manager Michael Paluchniak

> Advisor Richard Kipling

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-

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

# Write articles for the Tech

get paid up to \$30

### **ASCIT Minutes**

#### **ASCIT Board of Directors Meeting**

Minutes for February 11, 2014. Taken by Catherine Jamshidi

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

**Guests:** Connor Rosen, Margaret Lee, Patrick Nikong, Sandia Akhtar, Ellora Sarkar, Nick Zolman, Elliot Simon, Amy Hu, Amarise Little, Laura Santoso, Not Kevin Young

#### Call to Order: 10:04 pm

President's Report (Zach):

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

#### Officer's Reports:

#### • V.P. of Academic Affairs (ARC Chair: Malvika):

- Collaboration policy checklist and narrative document have been sent to all Division Chairs and Option Reps.
- ARC and UASH met to discuss a proposal regarding policies about academic ineligibility.
- Social Science Option Tea coming up on Feb 24. Sign up here: http://goo.gl/Mjoedi

#### V.P. of Non-Academic Affairs (IHC Chair: Connor):

- ASCIT and the IHC are having a Title IX summit to discuss how we improve education regarding gender equality, sexual assault, and sexual harassment.
- The student reps for the undergraduate self-governance committee will be putting together a rough mission statement/set of objectives to express how best we can be supported by student affairs.
- If you'd like to get involved with the RA selection process, talk to your house president and/or RLC! There are many student panels along the way, you don't have to wait until candidates come to dinner!

#### • Director of Operations (Connie):

- Take a professor or graduate TA to lunch! Reference email for details. Send questions to <u>operations@donut.caltech.edu</u>
- Share your Tech tips! The Little t, the unofficial guide to Caltech, is looking for a new editor and businessman. Sign up sheets are on the wall next to Fleming and are open until Friday, Feb. 21.

#### • Social Director (Michelle):

- o If you want to join the Executive Social Committee, please contact Michelle Tang at <a href="mailto:mtang@caltech.edu">mtang@caltech.edu</a>
- The Olympics-themed Winter Carnival took place last Saturday near the Olive Walk/Winnett. There was curling, sledding, food, and drinks.
- Trivia Night is this Thursday (February 20<sup>th</sup>) from 10pm to 12am at the coffeehouse.
- Aery Interhouse is this Friday (February 21<sup>st</sup>) from 10pm to 2am. The theme is The Great Gatsby.
- Be a Kid again will either be this weekend or next.

#### • Secretary (Cat):

- The Student Experience town halls will be continuing through the rest of this term:
- Will be posting new photos for the IHC on the Olive Walk

| Page     | Feb. 22 | 2:00 pm | Page Dining Hall     |
|----------|---------|---------|----------------------|
| Ricketts | Mar. 1  | 1:00 pm | Ricketts Dining Hall |
| Ruddock  | Mar. 1  | 3:00 pm | Ruddock Dining Hall  |
| Dabney   | Mar. 8  | 2:00 pm | Dabney Dining Hall   |

Board this week after Ricketts elections.

O If you're interested in attending a BoD meeting, let me know! We meet every Tuesday at 10pm in SAC15. Guests are always welcome, and anyone interested in running for a BoD position is especially encouraged to attend!

<u>If anyone has any questions or concerns about a section of the minutes</u> please email the appropriate officer. We are happy to answer any questions.

Meeting Adjourned: 11:35 pm

## Khatia Buniatishvili "wows" at Disney Hall

**DANIEL DEFELIPPIS**Contributing Writer

To some people, "Casual Friday" means no suits, lowered expectations, and an overall less intense workday experience. To the

members of the Los Angeles Philharmonic however, it only means the first part. They need to play the same lengthy pieces of music just as well as they would on a normal day. It is no easy task, but on Friday, January 24, 2013, at Walt Concert Hall, the LA Phil once again surpassed expectations with performances of Chopin's Piano Concerto No. 2 and Prokofiev's Symphony No. 5.

First, let me "set the stage," so to speak. Walking into Walt Disney Concert Hall, one sees the jarring shapes of steel outside, and then the similarly jarring shapes of wood inside. The hall itself is strangely shaped: seats completely surround the stage to the point where it feels like the

stage is in the center of the hall, not at one end of it. Above and behind the stage is a gigantic pipe organ with pipes appearing to point every which way, keeping with the jagged wood and metal outside the hall. While not used in this performance, that organ encapsulates the fusion of the modern architectural taste of its designers with the classical and dignified musical taste of its patrons.

The first piece in the concert was a piano concerto by Frederic Chopin, a Polish pianist who spent most of his composing life in Paris. Chopin's Piano Concerto No. 2 in F minor is one of his earlier compositions, but nevertheless manages to capture his technical brilliance, lyrical phrases, and rhythmic expertise. When it was performed in February, 1832 in Paris, Chopin was already known as a talented composer. In December of the previous year, Robert Schumann had published a review of one of Chopin's other compositions for piano and orchestra, proclaiming "Hats off, Gentlemen! A genius!" The 1832 performance, a rare public one for the shy composer, who preferred smaller private concerts, helped further cement Chopin's reputation as one of - if not the piano virtuoso of the time, and not without good reason.

The first movement, marked Maestoso, or "majestic," sets the tone for the entire piece by introducing a dotted regal-like rhythm in the orchestra, which includes both strings and horns,

followed by an embellished version in the piano. Beautifully realized by the twenty-six year old pianist Khatia Buniatishvili, the piano's part in the first movement manages to be very technical but also sing. But it's the second movement,

ce. To the But it's the second movement, by Prokofiev would be taken as structure.

the piece really shines. Beginning with a deliberate but delicate major arpeggio, the second movement is even more of a showpiece for the piano than the first, featuring plenty of rubato, or variation of tempo, to let the complex melodic lines breathe without being bound to a strict number of beats per minute. It was in this movement that Buniatishvili and the guest conductor Krzysztof Urbański, Director of the Indianapolis Symphony Orchestra, really demonstrated their understanding of the piece. They were both completely aware of each other's tempo, and it almost seemed like they were one and the same person. Not only that, but the two showed incredible control of dynamics as well, allowing the second movement to decrescendo

into an imperceptibly soft final

chord that echoed the initial one.

The final Allegro vivace (lively and

fast) movement is a more upbeat

one with tons of Polish mazurka

rhythms that contrasts with the

moodier first two movements,

transforming the original stately

minor theme from the very

beginning into a triumphant

ending in a major key.

marked Larghetto (slow) where

The orchestra moved right along in their performance and, with no intermission, proceeded to play Sergei Prokofiev's Symphony No. 5 in B-flat major. Prokofiev, a Russian pianist, composed this symphony over 100 years after Chopin composed his Concerto No. 2, and at an older

age. Comparing the personalities of Chopin and Prokofiev at age nineteen, the program notes state that a performance by Chopin would be a "kiss blown to his audience," while a performance by Prokofiev would be taken as

-gramophone.co.uk

a "slap in the face" against the sighing,
establishment. The Prokofiev meters a

a "slap in the face" against the establishment. The Prokofiev that wrote Symphony No. 5 over the span of a month at a Russian mountain resort and premiered it on January 13, 1944, in Moscow, was older and wiser than the nineteen year old "young heathen," but the rebelliousness remains

detectable throughout the rich textures of the four movements.

Urbański upped the stakes in a sense by choosing to conduct this work without a score, indicating that had a deep familiarity with the structure of the piece, and the types

> of phrasings and moods that the instruments should strive for - and there were many. The first movement, a moderate tempo one in a major key, has quiet moments of delicacy which then gradually crescendo into loud fanfares. They aren't normal fanfares though: while the strings play in the original key, the lower brass instruments play dissonant notes, creating a very untraditional Prokofiev's for combining modern traditional techniques peeks through in other places, like the second movement, which is a much faster and lighter movement sounds like a Russian dance. Melodies switch between minor and major very quickly, but still flow easily, and sigh motives, pairs of descending notes that sound like someone

sighing, are used with changing meters and tempos. At the very end of the piece, strings and trumpets play dissonant scale-like patterns that suddenly resolve to a single loud major chord in the original key. While not a "slap in the face," the sudden resolution does give the listener some slight vertigo,

and you can imagine Prokofiev smirking to himself when he wrote it.

One last comment about the acoustics of the hall: Prokofiev's Symphony sounded brilliant in the room, but Chopin's Piano Concerto did not sound as great as it could have.

Through a combination of the piano lid directing the sound only one direction away from the stage, as well as a possible slight dynamics imbalance between the orchestra and piano, the piano sounded muffled from behind the stage, where this reviewer was sitting. So, while Walt Disney Concert Hall might be acoustically great for a large symphony, it is not the best possible venue for a piano concerto.

Still, those particular acoustic problems didn't detract appreciably from the performances. In fact, it was hearing the music played live inside the hall which really gave it life and meaning. In both of these works, the composer infused his own personality and cultural background, making them highly personal pieces.

You might think that that prevents modern listeners from appreciating the music, but I think the opposite. It's the unique personality these two pieces have which make them so memorable and different from other works in the same form, and even a modern listener, far removed from nineteenth century Paris or twentieth century Russia, can understand wanting to uniquely express yourself.

And, as the medium through which the listener tries to connect with composers like Chopin and Prokofiev, you really can't go wrong with the LA Phil.

#### Counseling Center Announces Emotional Intelligence Workshop Series

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

- Thursday, February 27th: Emotionally Intelligent Problem Solving, presented by Charisma Bartlett, Ph.D. This workshop focuses on practical skills for using your emotions to your advantage when you feel stuck or confused.
- Tuesday, March 4th: Reading the Emotions of Others, presented by Maria Y, Oh, Ph.D., and Wendy Lopata, LCSW. This fun and exciting workshop will help you get even better at understanding how other people are probably feeling. We'll use examples from real life and from videos to help you build some of these valuable skills. This workshop was originally scheduled for February 18th and has been rescheduled to March 4th.

All workshops are in the Winnett Lounge and run from 12:00 - 1:00. Free lunch is provided!

## Gentleman Bastards series tells tales of unique hero

SHANNON WANG

Staff Writer

This isn't book recommendation—this is an order to drop everything and buy the three books in Scott Lynch's marvelous ongoing Gentleman Bastards sequence: The Lies of Locke Lamora, Red Seas Under Red Skies, and The Republic of Thieves. Few authors manage to write novels that are both plot-driven and character-driven, but Lynch pulls this off with such panache that readers will find themselves itching to run a con with the Gentleman Bastards, because no one else can flout authority with such style.

The plots seem relatively simple at first glance: there are cons, power struggles, and more cons as the heroes try desperately to extricate themselves from aforementioned power struggles. And then there's revenge—heroes are never exempt from tragedy and the Gentleman Bastards are no exception. These are all standard plots, old plots, but the way they are scattered throughout the novels, woven into the tapestry of the overarching story, is nothing short of masterful. Yes, there are

conmen planning heists—but the heists aren't for the simple purpose of acquiring money. Yes, there are politics, assassinations, gang wars—but these wars are nothing like the epic battles fought in *Game* of Thrones or other fantasy novels. These are battles of the mind, won not with a sword but with a cleverly placed word or a good disguise. These are wars that burst onto the stage and are finished within days, because the true fighting started years ago, when both sides quietly plotted, invested, and rehearsed. And finally, yes, there's revenge but there are many methods of vengeance, and the method Locke Lamora (the eponymous antihero of the series) employs is what makes the story unforgiveable, because it's the perfect combination of cunning and desperation and grief. The fact that it's simple, animalistic grief that wins, and not a plan so cunning that it'd grow ears and sprout a tail and become a fox if left on its own, is what makes this series so heartbreaking.

In addition to an emotionallyfraught plot, Lynch's world is also exquisitely detailed. He describes a breathtakingly realistic world; the amount of attention he pays to religions, culture, fashion, food, currency, and language is truly staggering. The history is clouded in mystery, shrouded in legends and myths; just the past hints at countless possibilities of what is next to come. There's magic, almost invincible magic, but the few magic-users haven't taken over the world yet for some reason. There's an ancient race that built the indestructible glass structures of the city—but they disappeared thousands of years ago. And there's the question of Locke's past; only a glimmer of his past has surfaced in The Republic of Thieves, but even that snatch of the past is sufficient to pique readers' interests, because it hints at something far more epic.

But I haven't extolled the books' greatest virtues yet—for as magnificent as Lynch's world may be, it is merely another fantastical world from another fantasy book. It's his characters that bring his world to life. Perhaps his characters don't seem lovable at first sight: Locke has murdered, stolen, lied and tortured—he's a complete failure at physical combat, not much of a looker, a dubious-at-best Robin Hood, and an incorrigible drama queen. And yet he's one of the most sympathetic characters to have ever graced the literary world. Locke may be a lying, thieving bastard, but he's a graceful, snarky, and intelligent bastard—as he says, he's "richer and cleverer" than everyone else. He's also kinder. The torturing and murdering may disqualify him from being a hero, but they don't stop him from being a good man. He has never knowingly killed innocents; he has never tortured for malicious glee. The ones he's killed and tortured usually deserve far worse than whatever he's given them-and the victims of his con are never innocent either. The Gentleman Bastards only target nobility, and not for the money; Locke and his gang are devoid of true avarice and live simply, even with the big pile of money their tricks have earned them. No, they are the Thorn of Emberlain, a Robin Hood of sorts, because Locke loves drama and chaos, and he loves defying authority even more.

Locke would almost qualify as a trickster, because he is genuinely incapable of being circumspect; he is one step away from being the archetypical remorseless trickster who wears a reckless grin and sets fire to the world just to hear the people scream. But that's one step he can never take, because he is innately responsible. He's not responsible the way heroes usually are; he doesn't carry the weight of the world on his shoulders. He carries his brothers' well-being and his love for one woman instead. He may not be willing to die for the world, but he's more than willing to get tortured and killed if it means saving his brothers from pain and

He's even willing to die if it means saving his brothers from compromising their principles. It's these things—his responsibility, the guilt that comes with failing his brothers, the love he has for his family—that make him a loyal friend, an excellent brother, and thus a good man.

All of these qualities make for an interesting character, but what

attracts me to Locke above all is how real he is.

He's no superhuman—while he may have a marvelous brain, he is entirely useless when it comes to brawling. He is far from a saint he likes living comfortably and while he may not know true greed, he definitely prizes money if only because he likes having a safety net. He kisses butt without the slightest bit of hesitation, because he knows that pride and snobbishness come with prices that might be too high to pay. But at the same time, his brains trump any brawn others send his way. His money is spent on preserving his family and sometimes even makes its way to the poor.

Locke is quietly defiant—he has never bowed to authority without ensuring that there will be a big payoff. His method of "heroism" is one that I can understand, because it's one that doesn't advocate charging headlong into danger when it's sure to end in tears. It's ruthlessly practical, which comes as a relief, because it means that he's immune to the mal du siècle that young adult protagonists collectively suffer from; it also means that he's a protagonist who is capable of being a hero without losing enough IQ points to cripple his functionality.

Although he may not be the hero girls dream about, the kind who charges in upon a white steed, Locke is the kind we deserve and more than likely the only type we will get in this world. And this is why I am recommending these books to everyone—they outline a form of heroism that we actually have hope of emulating.



Send in your

and crocne
poetry prose
D rendering
knit and croc
prose digital
afts poetry mus
plays so ulpture
chet ar plays pr
phy oriomiplay
aintings digital ar
s musical art compo
cspoetry drawings c
ni plays prose digital
afts poe usical cc
art scul

ni plays prose 3D ŗ**music** d it and çı hetart omposit ınş draw <u>andering painting</u> ilk painting cer*f* etches origami sc ons poe ami pla y drawi **prose d**i t knjit ai rochet position rawing ing pair igs plays

ngs pnotograph ays short storie ndering origan ceramics craft igami silk pain igs short stories origami cerami ainting ad crock e ceram cort stories art scul lk paint rt stories jami cer

\*images must be at least 300dpi

to totem@caltech.edu
by March 1st
for your work to be featured in



## The Glitch Mob releases new album with familiar, fun sound

NAILEN MATSCHKE

Staff Writer

One of the fastest-rising names in modern electronic music, Los Angeles's own The Glitch Mob, is a trio whose thick, synth-laden sound has attracted an impressive following, especially considering that until this past week, the group had only produced a single album.

After forming in 2006 as a fivepiece act and performing live for a few years, the trio which we know today released Drink The Sea in 2010, a well-received work that expanded its previously Californian fanbase across the United States and established that at their best, The Glitch Mob's layered and distorted beats could bridge the gap between dance music and music for casual listening. As a whole, however, the album suffered from a general inconsistency, alternating between slow and trance-like numbers such as "Between Two Points" and uptempo, aggressive tracks like "We Swarm." In the end, though, the group's mix of glitch hop and bass drops along with its top-notch production made for an album that was not only accessible but musically interesting.

With Love Death Immortality (released this month), it is immediately apparent that this is an album by the same group, yet at the same time it is a very different beast from Drink The Sea. The opening track, "Mind of a Beast," starts off with a dancing, distorted piano riff over some guitar and piano chords, and when the drums come in I can practically guarantee that they are faster than anything on Drink The Sea. The track is high-energy and high-gloss, and of course it has a massive bass drop. As it goes on, The Glitch Mob manages to constantly

add more sounds into the mix and have everything fit into place, even transitioning from a Skrillex-like groove to a section of samples that stay true to the "glitch" name, back into an ending that sounds like its earlier work.

The next song, "Our Demons," is a similar story, taking the somewhat reserved nature of *Drink* The Sea and turning it up to eleven, while still maintaining a detailed part for each instrument, which, as expected, there are a lot of. While it could be argued that the individual components of these songs have been done before, it would be near impossible to assert that The Glitch Mob is lazy or just another generic EDM act. The members know what they're doing, and it's apparent in the sheer amount of polish and cohesion that each track displays.

The third track, "Skullclub," follows the same formula as its predecessors, with a bombastic beat, awesome synth riffs, and a constant flow between pounding dance anthems and quiet breaks (clearly designed to make the next bass drop even better). In the latter half of the track, the fast beat and the memorable synth line remind me a bit of '90s techno, though that's not nearly as bad as it may sound, being more of a throwback than a reliance.

Still, track four is a relief as "Becoming Harmonious" delivers a much slower beat, drifting through ethereal horn-like synthesizers, muffled drums, and some trance-like singing. It's a refreshing break from the assault of the first three tracks, and still an enjoyable song in its own right.

Next up is "Can't Kill Us," which builds up from a determined riff played on bass guitar into a meaty, powerful groove that gets the listener pumped up. The interaction between the drums and synths on this track is excellent, as the former serve to accent the latter in just the right moments, making things that would already sound pretty cool that much better.

Track six, "I Need My Memory Back," takes us back to faster tempos and high energy, but while it has its moment I feel that it actually reaches the point of annoyance with its chirpy, extremely high-pitched synth screams. It does a good job of keeping what's coming next a guessing game, but it's still not one of my favorite tracks.

Afterwards, we get "Skytoucher," which starts off sounding like a sped-up version of Macklemore's "Can't Hold Us" but swiftly transitions into a somewhat minimalistic stutter step that remains the foundation of the piece for its duration. It's different and enjoyable; perhaps the only real complaint I have is its sixplus-minute length, making it the longest song on the album, which is a little unnecessary.

The next two songs, "Fly By Night Only" and "Carry the Sun," are a little underwhelming, mostly because they already sound familiar by the time we come to them, with "Fly By Night Only" bearing quite a bit of resemblance



-http://top40.about.com/

to "I Need My Memory Back" and "Carry the Sun" again following the pattern of the album's first few tracks and giving us music that's loud and fast, but at this point it's just not quite as interesting.

The album then finishes on a somewhat confusing but not unpleasant note, with "Beauty of the Unhidden Heart," easily the album's most mellow song. Between a cool loop of a harp, some well-done female vocals, and relaxed drums, it's not a bad song, but it's strange to go from dance track after dance track into it with no warning.

Love Death Immortality is not by any means a particularly experimental or innovative album,

and it doesn't try to be. The Glitch Mob instead focuses on expanding their sonic repertoire, shamelessly drawing ideas from several sub-genres of EDM, but putting them all together to an incredible degree of precision and perfection; every minute of this album has had a lot of work put into it, and it shows. The Glitch Mob is good at what they do, and there's no doubt that this album is fun to listen to, and is probably fun to dance to as well. If you're looking for something unique and thought-provoking, this probably isn't the right choice for you. If you want an extremely well-produced and fun EDM record, though, I recommend this highly.



## Merge your engineering background with management, communication, and leadership in a professional master's!

Choose from 11 engineering degree programs at Rice University in Houston, Texas, offering:

- interdisciplinary, non-thesis Master of Engineering degrees
- course combinations available in your engineering interest area enriched with options in business, management, policy and communication
- · practical work experience opportunities
- compact 2- to 3-semester programs depending on degree selected

Applied Mathmatics
Bioengineering
Chemical & Biomolecular
Engineering
Civil & Environmental
Engineering
Computer Science
Data Science & Engineering

Electrical & Computer Engineering

Materials Science

Mechanical Engineering

Statistics
Sustainable Environmental
Engineering & Design

epmp.rice.edu



#### **EN 89 – Journalistic Writing**

Want to learn to report, write and tell stories that people want to read? Stories that get people talking?

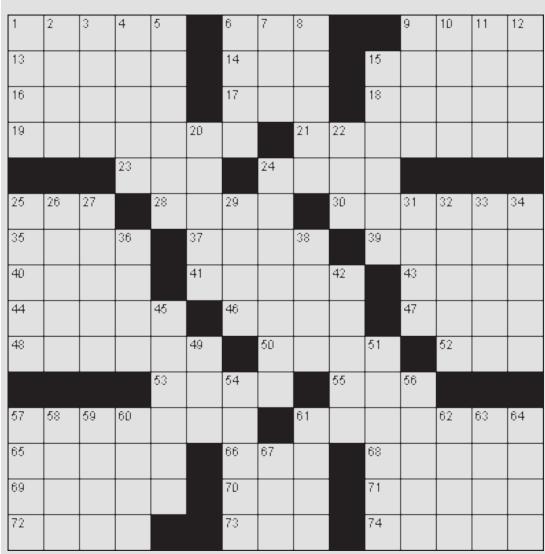
EN89-Journalism and Storytelling – will help you build the skills you need to construct stories that bristle with clarity, fact and attention to detail.

Taught by former *Los Angeles Times* editor Richard Kipling, this course involves copious amounts of class discussion plus interesting writing exercises, visitors and a field trip guaranteed to make you see Caltech and its community from a different perspective – through journalism's eyes.

Offered Mondays 7-10 p.m. spring term

## **F**EATURE

## Today's Puzzle: Crossword



[www.puzzlechoice.com]

- 1. Desert haven
- 6. Batch
- 9. Solemn promise
- 13. Monetary aid
- 14. Self
- 15. Oddity
- 16. Measuring stick
- 17. Section of a journey 18. Projecting bay
- window
- 19. Transparent gem
- 21. Type of roof
- 23. Draw
- 24. Podium 25. A light touch
- 28. Story
- 30. Compulsory threat
- 35. Turns litmus paper
- - 37. Couch
- 39. Electromagnetic
- radiation
- 40. Single
- 41. Divide by two 43. Wear away by
- rubbing
- 44. Group of soldiers
- 46. Intuitive awareness
- 47. Narrate
- 48. Main course
- 50. Cot
- 52. Golf peg

- 53. Ecstatic
- 55. Restaurant bill
- 57. Obtain
- 61. Well-founded
- 65. Overhang 66. Type of tree
- 68. Pointer
- 69. Vista 70. Actor's prompt
- 71. Dissonance
- 72. Portable shelter
- 73. Female chicken
- 74. Ire
- Down
- 1. Fiend
- 2. Starch resembling sago
- 3. Occasion for buying at reduced prices
- 4. Torpid
- 5. Narrow sea channel
- 6. Join together by heating
- 7. Mature
- 8. Tenet
- 9. Belonging to us
- 10. Song for solo voice
- 11. Grade or level
- 12. Ship's cargo space 15. Diplomat
- 20. Tether
- 22. Assist
- 24. Turn aside 25. One of the senses

- 26. Fruit of the oak
- 27. Fly a plane
- 29. Be lazy or idle 31. Narrow fissure in
- 32. Bird
- 33. Sedimentary rock
- 34. Fashion 36. Room access
- 38. Allege
- 42. Selected as the best
- 45. Examine
- 49. Sensory receptor
- 51. Type of fruit
- 54. Shade of pink

- tinged
- with yellow
- 56. Mogul
- 57. Persistently
- annoying
- person 58. Speed competition
- 59. Kitchen appliance
- 60. Fractional
- monetary
- 61. At that time
- 62. Jail on board a ship
- 63. Misplace
- 64. Pitcher
- 67. Litigate

## Answers to Feb. 3's crossword puzzle from puzzlechoice.com

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





## Women's tennis team pulls off close victory against Vanguard

GoCaltech

The Beavers posted a down-to-thewire win over Vanguard, 5-4, on Friday afternoon.

The clinching point for the Beavers came down to the No. 2 singles match as Monica Li won in three-sets. The sophomore posted a 5-7, 6-0, 6-1 win to seal the fifth team point for Caltech.

In the top singles match Rebekah Kitto rallied late in recording a 2-6, 6-2, 6-4 win. Down 4-1 in the final set, Kitto reeled off five straight games to win the match.

Jenny Sheng made the top three spots a clean sweep for Caltech with a straight sets (6-2, 6-2) win at the No. 3 position.

The Beavers also won the top two doubles matches. Kitto and Li tallied an 8-2 win in the first position while Sheng and Michelle Lee won 8-3 at the No. 3 slot.

Tennis Match Results: Caltech 5, Vanguard 4

#### SINGLES

- 1. Rebekah Kitto (CALTECHW) def. Juliet Labarthe (VANGUARD) 2-6, 6-2,
- 2. Monica Li (CALTECHW) def. Sophie Angner (VANGUARD) 5-7, 6-0, 6-1
- 3. Jenny Sheng (CALTECHW) def. Gabriele Alford (VANGUARD) 6-2, 6-2

- 4. Ashley Wao-Udin (VANGUARD) def. Michelle Lee (CALTECHW) 6-0, 6-1
- 5. Michaele Sullivan (VANGUARD) def. Sophia Chen (CALTECHW) 6-1, 3-6, 6-3
- 6. Brook Ferslov (VANGUARD) def. Michelle Tang (CALTECHW) 6-1, 6-1 DOUBLES
- 1. Rebekah Kitto/Monica Li (CALTECHW) def. Sophie Angner/ Juliet Labarthe (VANGUARD) 8-2
- 2. Michelle Lee/Jenny Sheng (CALTECHW) def. Michaele Sullivan/ Gabriele Alford (VANGUARD) 8-3
- 3. Brook Ferslov/Ashley Wao-Udin (VANGUARD) def. Sophia Chen/ Valerie Pietrasz (CALTECHW) 8-1



Rebecca Kitto pulled off a win against Vanguard in the top singles match by winning five straigt games for a 6-4 victory.

-GoCaltech

## Beavers close season with narrow defeat at Whittier

GoCaltech

Every statistical category was close in a game that could have gone either way, went in Whittier's favor 72-65 as Caltech season came to an end.

The home team made one more field goal (26-to-25), held a plus-one rebounding margin (40-to-39) and connected on just two more free throws (13-to-11) as they pulled out the win.

Caltech started hot as they raced out to an early lead. During the game's first five minutes the Beavers scored on five of their first six possessions in taking a 15-9 lead. Whittier responded as they took a 22-17 lead just a few minutes later. The remainder of the half remained a single digit lead for the Poets as both teams shooting cooled down.

The largest lead of the half came with 8:28 on the clock and Whittier holding a 31-25 edge. A solid close to the period

by the Beavers made the score 35-33 in the home teams favor as the squads went into the locker room.

For a majority of the second frame the lead stayed in Whittier's favor at single digits. A big momentum swing in the game took place with 8:51 remaining. Whittier was clinging to a 60-54 lead when they went a 7-1 scoring spurt to up their lead to 12-points.

Down 67-55, and 4:53 showing on the scoreboard, the Beavers made a courageous charge back.

During the next three-plus minutes, Caltech held the Poets scoreless as they shrunk their deficit. Kate Lewis culminated a 9-0 run as she converted on a lay-up with 1:02 left. Holding a slim 67-64 lead, Whittier was forced into a timeout.

After the full timeout, Danielle Quinones's three-pointer at the end of the shot clock found the bottom of the

net. Now down six, Caltech couldn't hit a field attempt but Kristen Anderson was able to convert one of two free throws with 11 ticks left. A hectic sequence ensued as Whittier turned the ball but the Beavers turned it over a few seconds later to all but seal the win for the Poets. Two free throws by Dannika Navales-Lugt rounded out the scoring.

Lewis put together a fine outing to close out her first-year with the program. Lewis had game high in points (20) and rebounds (14) as she tallied her third double-double of the season. Bridget Connor scored in double figures for the 14th time this season by recording a 13-point night.

Stephanie Wong added 10 points to round out the double figure scorers for the Reavers

Quinines led the Whittier cause as she scored 13 points and grabbed 10 rebounds.

## Weekly Scoreboard

Women's Basketball at Whittier L, 72-65 Final

Men's Basketball at Whittier L, 87-69 Final

Men's Tennis vs Claremont-M-S L, 9-0 Final

Men's Baseball vs. Redlands L, 13-1 Final

Men's Baseball vs. Redlands L, 17-6 Final

Women's Tennis vs. Vanguard W, 5-4 Final

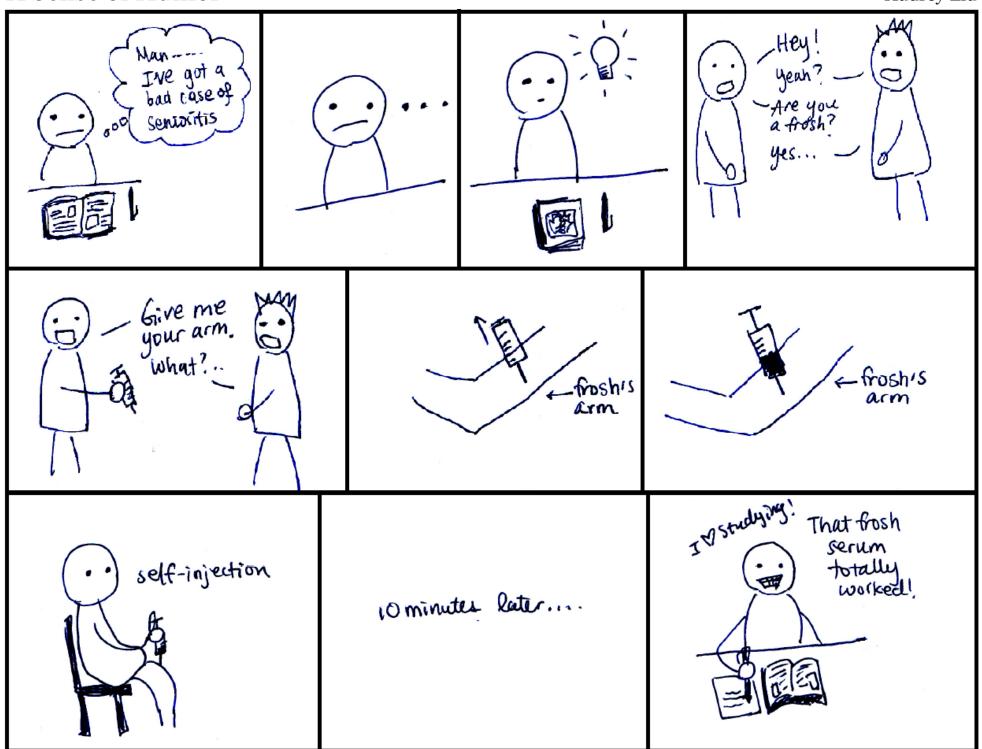
Men's Baseball at Redlands L, 15-2 Final

Women's Basketball at Chapman L, 84-55 Final

> Men's Baseball at Chapman L, 89-69 Final

## Humor

#### A Sense of Humor



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

tech.caltech.edu

The California Tech Caltech 40-58 Pasadena, CA 91125