Chamber music program presents winter concert series

Ching-Yun (Chloe) Hsu
Contributing Writer

After four months of practice since October, undergraduate and graduate musicians in the Caltech Chamber Music Ensembles kicked off this year's first winter concert on Saturday, Jan. 24. Followed by four concerts in two weeks, the winter series came to an end on Feb. 1 with the Super Bowl Alternative Concert as a Caltech tradition.

In groups of three to five, student performers played movements or full pieces of different styles, including Baroque works by Georg Philipp Telemann and Henry Purcell, romantic compositions by Johannes Brahms, Sergei Rachmaninoff, Franz Schubert, Antonín Dvořák, Richard Strauss, etc., as well as modern classical music by Bohuslav Martinů and others. The program also presented a variety of instruments. While violin served the main role on Jan. 25, the Jan. 30 concert included French horn, additional percussion instruments, interesting piano six-hands, and a playful trio of flute, clarinet and bassoon.

Free and open to the general public, each chamber music concert attracted an audience of 100-200 from both inside and outside the Caltech community, including many regular attendees from the local Pasadena area. The audience showed respect for students’ music skills not only by words, but also by 3-minute-long applause and a standing ovation.

The ensembles were coached by visiting artist Michael Kreiner, Los Angeles Philharmonic musician Martin Chalifour, Caltech faculty Robert Ward, and Chamber Music Director Delores Bing, who also played piano and cello in some of the groups. Students in the chamber music program genuinely enjoyed the performing experience, and are looking forward to playing in new groups in the upcoming season.

Freehorn: Amanda Gian (violin), Justine Jeon (violin), Rachel Ng (violin), and Vincent Zhang (piano) perform on Jan. 25.

Graduate students Kelly Kim (bottom left) plays the piano and Joe Iverson (right) plays the cello at the Jan. 25 concert. Photos Courtesy of Ching-Yun (Chloe) Hsu

Getting away with rape: A social epidemic

Hannalore Gerling-Dunsmore
Contributing Writer

On Jan. 24, the Graduate Student Council sent an email to Caltech graduate students, containing a letter written by concerned students detailing the accounts of Michael Shermer raping, sexually assaulting, and sexually harassing various women over the last several years while at various skeptical meetings and conventions. At least five people have stated that Shermer found them or put them in positions in which they could not consent (e.g., excessive alcohol consumption) and then had intercourse with them—you know, what both the law and generally decent humans would refer to as rape. Others have stated Shermer sexually harassed and assaulted them, such as groping their breasts in lieu of a handshake. Partially out of distress, partially out of blaming the victim, and partially out of fear for what it would do for the skeptical community, people have rallied against Shermer, continuing to invite him as a speaker without so much as asking for acknowledgement that he may have engaged in problematic behavior. The problem is that by continuing to welcome Shermer with open arms, we implicitly tell him that what he’s done isn’t really that much of a problem, and tell his victims that we don’t care about their suffering.

Shouldn’t we be worried about these women lying, though? According to the FBI, only 2% of rape reports are false. Given the large number of claims against Shermer, particularly claims that are easily corroborated by witnesses, it’s statistically incredibly unlikely that all of the women coming forward are lying. If even one of these stories is true, Shermer needs to take responsibility for his actions—apologize to the affected parties, adequately demonstrate remorse, and correct his behavior—before the skeptical community resumes accepting him as a leader.

Unfortunately, Shermer is far from an isolated case of men committing sexual violence with few or no consequences. Film director Roman Polanski continued to have a fruitful career after being convicted of and publicly admitting to raping a 13-year-old girl—because he was in his forties—after getting her drunk. Bill Cosby has been well-known in the entertainment industry for his predatory nature, with at least two dozen women coming forward with stories that line up perfectly; he got them excessively drunk or drugged them, and then had non-consensual intercourse with them. Rehtaeh Parsons, a teenage girl from Nova Scotia, committed suicide in 2013 after being gang raped by four boys at a party and then persistently bullied. Her rapists photographed her rape, and disseminated this photograph around their school. Because of this, the rapists were considered manufacturers of child pornography, and subsequently Canadian law prevents their names from being published, as they could be traced to Rehtaeh Parsons, compromising the privacy of a child pornography victim. Despite her family attempting to waive the privacy to raise awareness of rape and bullying, the public is unlikely to know the identities of these rapists; they will be able to live their lives in relative anonymity, despite their monstrous actions. Only two of the rapists faced charges for child pornography; one will not show the conviction on his record if he does not violate probation, and the other will only have the conviction on his record for five years. Neither faced jail time.

Unfortunately, these stories are only a few of millions. The most conservative estimates, including a 2014 CDC study, find that one in five women and one in 33 men in the United States have been raped. Many experts believe the statistic for women that are raped in their lifetime is closer to one in three. Out of every 100 rapes, only 32 will get reported to the police; of those reports, only seven will lead to an arrest, and three of those will get a prosecutor involved. Only two of those rapists will result in the rapist spending a single day in prison; that means 98% of rapists are walking free, suffering no consequences for their actions while their victims have to spend the rest of their lives with the trauma. Approximately half of all rape victims develop post-traumatic stress disorder (PTSD). Recall that about 20% of American women have been raped. This means that at least 10% of American women are living with PTSD induced by rape, many of them never receiving adequate treatment due to a lack of support, while their rapists get away without even a permanent mark on their record.

You have to ask yourself, why is it so rare for rape to be reported? Why do the overwhelming majority of victims—nearly 70%—never so much as file a complaint with the police? Besides the fact that many survivors of sexual violence are told that what happened to them doesn’t really count as rape, the judicial proceedings for a rape case are often as traumatic—if not more so—than the rape itself.
News briefs from around the globe

Here’s a brief list of events from the past week, compiled by The California Tech editors:

Al Jazeera journalist freed by Egypt

400-day captivity ended for Peter Greffe, freed from Egypt and flown to Cyprus [BBC]

Mosques have open days to “demystify unity”

20+ mosques in Britain opened doors to public to reduce tensions around terrorism [BBC]

Pope Francis to visit Sarajevo, capital of Bosnia and Herzegovina

30 yrs. ago, Bosnia was ravaged by war; Pope plans to visit to encourage Catholics [TIME]

Pro-democracy protesters return to Hong Kong streets

1000s of protesters took to the streets for their first big rally since 2014 [CNN]

Madrid sees march for left party

100k+ people marched in support of Podemos movement [TIME]

Vehicles recalled for faulty airbags

2 mln. Toyota, Chrysler, Honda cars recalled; airbags may inflate while car runs [TIME]

US economic growth less than expected

4.6% growth reported for fourth quarter, lower than predicted 3% [BBC]
Societal attitudes toward rape need to change to stop cycle of violence

Continued from page 1

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If the case ever goes to trial, the survivor is subjected to difficult interrogations by the police, often marked with shame and attempts to persuade the survivor to retract and drop the charges; then the survivor has to face the defense attorney. The survivor must go on the stand and face his or her rapist while a defense attorney drags out every detail of the event. The survivor has had an attempt to color the survivor as someone too promiscuous to say “no.” Despite the survivor having to face the defense and attempting to use the victim’s clothing color the survivor as someone too promiscuous to say “no.” Despite the survivor having to face the defense and attempting to use the victim’s clothing color the survivor as someone too promiscuous to say “no.” Despite the survivor having to face the defense and attempting to use the victim’s clothing color the survivor as someone too promiscuous to say “no.”

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This past winter break, I went to India—where I was born, where I grew up, and where most of my extended family is. Honestly, at first, it felt far from home.

You see, India is much different than the states I’ve lived in: the hustle and bustle of the city, the constant disorienting noise, the pollution, the corruption—the whole deal. Even though the US seems a bit underdeveloped compared to India, its rampant overpopulation and a highly underdeveloped structure, is an elephant walking in the middle of the road to nowhere—on a road with a few layers of extra noise played out like they were in a music video. It’s disorienting at first to have all the minute details of every other song enhance the one you’re listening to, and it’s not the only thing that’s disorienting as you listen to this music. The entirety of the EP was enjoyable to listen to and I didn’t really find myself becoming bored, but in an ideal world I would have liked to see Aphex Twin take the piano and drum combo in a few more directions. It’s difficult not to get excited when Richard D. James decides to release so much new Aphex Twin material, and with Computer Controlled Acoustic Instruments zpZ EP, he continues to challenge both the listener and himself, eschewing synthesizers for real, sampled instruments and exploring bits and pieces of musical ideas in this new sonic playground. The result is skeletal and sounds more like a proof of concept than anything nearly as dense as the four-month-old Syro, yet the result is still worth hearing. It’s not the sort of thing I’d put on for fun, but “Aphex Twin done with real instruments” is a concept that works surprisingly well, and decidedly keeps the spirit of his music—immensely diverse in style—alive. The EP begins with its longest track, the quirky “diskhat ALL prepared1mixed 13,” a song which comes on like a fever dream with a deep, distorted, and off-beat piano pattern taking center stage against distant clock-like beats played by some sort of mechanical percussion. While it starts to dissipate in later tracks, what immediately struck me about this song is how human the instruments feel, in details such as how notes aren’t quite hit with the same intensity during each repetition, which is made apparent when a full drum beat starts to come in. It’s disorienting at first to have all the minute manipulations and almost imperceptible layers of extra noise played out like they would in any other Aphex Twin song, but with the unavoidable fact that everything sounds like (and presumably is) a real instrument. I’m sure I won’t be the first to point out the similarities to the Squarepusher and Z-Machines Music for Robots project, but whereas Squarepusher focused on playing jazzy, human music with the impossible precision of robots, Aphex Twin almost does the opposite, sticking with his usual style but presenting it in a new package. As a result, we get moments (such as the funky, glaringly dissonant groove roughly three minutes into the first track) that have the listener nodding their head as they cover their ears, because that’s just not how an ensemble is supposed to sound.

Immediately after the first song’s end we are introduced to the other major component of the EP through “snar2,” the first of quite a few short experiments based around a single idea. In the case of “snar2,” this is a snare roll that starts off sounding like a human could have done it, and is then sped up to a superhumanly fast pace, punctuated by a couple odd clips of a dog barking. While this is the simplest example on the record, it serves as a good illustration of its purpose: this is not Aphex Twin trying to produce songs for him or anyone else to enjoy, but rather him taking an idea and seeing what he comes up with. While I’m sure many will be disappointed by this, I honestly think that side projects like this are one of the most rewarding aspects of following artists, frequently offering a more intimate and rich, albeit imperfect experience than polished full-length releases can provide. Most of these mini-songs are also quite a bit less grating. Clocking in at 26 seconds, “0035 1-Audio” is a quick drum kit beat accompanied by a tabla, akin to an acoustic version of the end of “XMAS_EVET10 [120 (thanatan3 mix)]” on Syro. Tracks like these are fun to hear, and I didn’t feel as though the EP was too saturated with them to be lacking substantive material. The remainder of the songs, however, hold my largest complaints, primarily about the disappointing absence of much variety from most of them. Although it seems intentional, “diskhat ALl prepared13” along with “diskhat” and “diskhats” account for almost a third of the EP’s running length, and are all essentially a few piano melodies on top of a barely-varying drum kit beat. They’re all enjoyable in their own right, but it strikes me as excessive to focus on one style so heavily, since just about every other song is also based on a piano accompanied by drums.

On the other hand, I enjoyed “DISKREP3TS” and especially “disk prep calcrea barn dance [skl],” since all three are darker, more dissonant takes on the formula, with the third being just an incredibly heavy, nightmarish dirge. There’s also “piano un10 the 3rd,” a beautiful solo piano melody that goes on for almost two minutes; it’s not quite as good as Syro’s “azianatana [1023],” but nevertheless it feels as though it belongs in a movie soundtrack.

The entire EP of the EP was enjoyable to listen to and I didn’t really find myself becoming bored, but in an ideal world I would have liked to see Aphex Twin take the piano and drum combo in a few more directions. It’s difficult not to get excited when Richard D. James decides to release so much new Aphex Twin material, and with Computer Controlled Acoustic Instruments zpZ EP, I was not disappointed. It was certainly an unusual direction for him to take, but I think the EP format is perfect for this sort of collection of musical building blocks, and they’re all just as masterfully composed and produced as one would expect from Aphex Twin. This EP probably won’t make anyone an Aphex Twin fan, but I definitely recommend it as an interesting listen to those already familiar with more of his work.
Men’s swim/dive team does swimmingly against Chapman

OCHSE ATTEMPTS TO WRECK CAL LUTHERAN

Senior Ben Ochse (Lake Forest Park, Wash. / Inglesmore) and freshman Alexander Bourzutschky (Potomac, Md. / Montgomery Blair) turned it up the intensity right away on the 5-meter board. Although the pair would finish a distant second behind Chapman’s Joey Luba, each improved on last week’s showing. Grajewski netted an additional six points thanks to an impressive forward one-and-a-half tuck and back somersault straight that both earning 30-plus points, while Bourzutschky posted a 128.9 for a whopping 40-point improvement, including a season-best score of 25.5 on his reverse somersault tuck.

“The divers upped their degree of difficulty on many dives today and overall saw the improvement we wanted,” Diving Coach Ute Zimmerman said.

Caltech caught a big break in the first swimming event as Chapman’s 400 Medley Relay team was disqualified, essentially spotting the Beavers 15 points heading into the rest of the meet. The Panthers pulled back three with a first-place finish in the 1000 Free, but both freshman Avikar Periwal (Potomac, Md. / Montgomery Blair) and senior C.J. Culpepper (Leonardtown, Md. / Leonardtown) easily outdistanced the next Chapman swimmer for second and third place, with Periwal dropping four seconds for a career-best 11:22.70 to edge Culpepper by .33.

The Beavers got a big boost from a sweep of the 200 Free by sophomore Chris Bradley (Half Moon Bay, Calif. / Serra), Culpepper and freshman Richard May (Guilford, Conn. / Chopto Rosemary Hall), who shaved one second for a career best.

A 1-2 finish in the 100 Back brought Chapman back within 20 at 53:35, with freshman Phillip An (Troy, Mich. / Troy) dropping over a second to break the 1:00 barrier for the first time, but junior Kevin Yu (Seattle, Wash. / Lakeside) stepped up in the 100 Breast, out-touching the Panthers’ top finisher by a mere .25 to take first place.

“Kevin was huge in the 100 Breast and later in the 100 Fly,” Leavitt said.

The Panthers bounced right back with a win in the 200 Fly, but freshman Henry Baer (Lafayette, Calif. / Alainnes) matched that in the 50 Free and followed that with another win in the 100 Free after the break. As he kept the momentum going in the 200 Back, dropping another two seconds off his best time to lead a sweep of the event. Chapman took first in the 200 Breast but with no other swimmer entered, allowed the Beavers to carry out the nine points with a 2:34-14 finish.

“We were definitely counting on our medley relay and the sprinters coming through,” Leavitt said.

Calpeper and Yu notched wins in the 500 Free and 100 Fly, respectively, extending the margin to a nearly insurmountable lead. The Panthers gained two points on the Beavers with the 1-meter competition, with Bourzutschky continuing his rapid improvement with a personal-best 128.90 (with a new season-best 27.27 coming on his inward somersault tuck), but with just two events remaining, even a 1-2 finish in the 200 IM and 1-3 in the 400 Free Relay would not put a dent in the final score.

The Panthers didn’t maintain the same momentum on the second day, losing six out of the eight events but still ending strong with a sweep of the 200 Medley and a 1-3 finish in the 400 Free Relay.

Ochse attempts to wreck Cal Lutheran

THOUSAND OAKS, Calif. (Jan. 31, 2015) – Freshman Ty Ochse (Tucson, Ariz. / Canyon Del Oro) enjoyed a breakthrough coming off the bench for the Caltech men’s basketball team in a 72-52 loss at California Lutheran University on Saturday afternoon.

Ochse netted a career-best nine points while doubling his previous high in minutes played (23), adding one rebound, one assist and one steal while committing just a single turnover.

“Ty played some good minutes today,” Head Coach Oliver Ellinger said. “He played tough and scored – that’s something you love to see from a freshman.

Similarly the previous match between the SCIAC rivals, the Kingsmen could not miss a shot as they hit 53 percent from the field. The Beavers posted a +13 rebounding margin, which was especially evident on the offensive glass, as Caltech scored 14 second-chance points to CLU’s six, but suffered from a -8 turnover differential that led to a 29-18 IM and 1-3 in the 400 Free Relay would not put a dent in the final score.

Men’s swim/dive team does swimmingly against Chapman

Sports

Orangutan!: The Reptile's Incredible Journey

Monica ENLOW

Completely Biased Sports Contributor

In this year’s season finale of America’s most watched show, the Seattle Seahawks took on the New Ugh-land Patriots. They proved week after week to be the strong characters, so it is only fitting that the season finale feature a duel between the two. Move aside Game of Thrones, your drama has nothing on Pete Carroll and Bill Balls-should-have-been-checked. Pete Carroll and his reigning champion team play the team he was fired from, facing the coach that replaced him. Now, the build-up to the finale was beautiful: Deflategate. The initial drama this season involving Ray Rice and domestic violence can’t compare to the scandal that Deflategate provided the NFL. I think that the studio did a marvelous job of setting up a situation that added nothing to the overall atmosphere of the episode. If you’re like me, you might have been hoping for the big, bad Tom Brady to get kicked out and for Andrew Luck to attempt to take the Indianapolis Colts to the promised land. Much to my dismay, Deflategate got deflated and the season finale, aptly titled “Super Bowl XLIX,” continued with the expected cast.

Early in the episode, golden boy, Brady, threw an interception. His mehloradom��NaN. Patriots to a 10-point lead while oddly bearded Russell Wilson and Marshawn Lynch put the Seahawks on their backs. I didn’t find the rest of the episode interesting...that is, until the 4th quarter came around. After multiple failed third down conversions, Brady and his band of brothers managed to pull out two touchdowns and put their team in the lead. The Seahawks weren’t ready to give up this blood feud, though. Wilson was doing his best to move his team quickly down the field to raise the score once more. His efforts involved a stunning pass to Kearse that was caught despite bouncing off of two New Ugh-land defenders. I have to say, that was an elegant recovery.

The score is 28-24 New Ugh-land, with less than a minute to play. The ball is snapped. The highly biased Seattle fans base that filled the stadium gasped in horror and fell silent as dark horse (like that Katy Perry reference?). Malcolm Butler brings the episode-changing surprise. Wilson is intercepted at the 1-yard line with less than a minute to play and his team is down by four points. That was truly an interesting twist. I had my cup ready to drink Brady’s tears, but Butler, who we haven’t seen much from this season, provides the game winning play for New Ugh-land. Now we have to wait until the next season to see if Butler has any actual significance in the overall Football series. Thanks for leaving us with a cliff-hanger, NFL.

Also, shout out to Missy Elliot for saving the halftime show. Lov u, Missy.

My favorite moment of the entire episode. Would you believe he actually caught the ball?

http://gocaltech.com
ASCIT Minutes

ASCIT Board of Directors Meeting
Minutes for 30 January 2015. Taken by Sean McKenna.

Officers Present: Cat Jamshidi, Annie Chen, Patrick Nikong, Sean McKenna

Guests: None

Call to Order: 9:04

President’s Report (Cat):
- ASCIT and IHC are working to improve the library hours situation.
- Faculty Board meeting will talk about Dabiri’s article.
- Cat and Annie will check if we can set up regular Rathskeller nights for undergrads.

Officer’s Reports:
- V.P. of Academic Affairs (ARC Chair: Nima):
  - Student Faculty Conference is happening on February 12th.
  - New ARC reps are being elected as part of house election season.
  - Freshman advising and grad school advising by alums will be the topic of a meeting to take place with the deans next week.
- V.P. of Non-Academic Affairs (IHC Chair: Connor):
  - Absent
- Interim Director of Operations (Sean):
  - Alex Ryan is taking charge of a fix to the ASCIT Screening Room equipment.
  - MIF-funded projector/screen/sound system materials are arriving and will be available for student use soon.
- Treasurer (Patrick):
  - Nothing to report.
- Social Director (Annie):
  - Annie is going to make Caltech/Harvey Mudd party happen if we can find a date that works (potentially in May).
  - Pasadena ice skating rink rental for Caltech will happen next weekend.
- Secretary (Sean):
  - 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. The next meeting will take place on February 6th at 8pm in SAC 15.
Hey guys and girls. In case you haven’t been keeping track, it’s currently week five. Yup we’re that much closer to spring but not quite as close as I’d like to be. This past week I realized that this Brad/Chad guy is way more famous than I am. If I introduce myself as Brad/Chad I get automatically more recognition than as plain old Brad. Case in point, I was at a party this week and met some of the frosh. After suggesting names I could see the following expression on their faces, “Who is this creepy Brad character and why should I care?” but then when I say Brad/Chad their faces light up and they exclaim, “Oh you’re Brad/Chad? It’s weird.”

Last week’s article focused on the four P’s of marketing strategy are the people behind it. A marketing manager should be aware of how to best align people and support collaboration across the marketing eco-system. This can mean including human capital outside of marketing, such as the product development side which can provide an idea for what the vision of the product is or what its intended uses are. It can also be extended to include customer relationships, especially in business to business markets, since without customers, we have no business.

**Processes:** Marketing is not as simple as saying “buy our product.” A successful marketing campaign usually is a large enterprise. As part of improving on marketing it is important to define the processes that make up the marketing matrix. These kinds of segmentation can take the form of “Media Relations,” “Brand/Logo Design,” or “Customer Relationship Management.”

**Performance:** One of the most important questions for a marketing campaign is, “Has it generated profits/increased sales?” No one wants to spend money on a marketing strategy that has no effect on their bottom line (i.e., profit margins). Managers today need to work with finance and business intelligence to design key performance indicators in order to measure the progress of a marketing campaign as well as get feedback on how successful it has been. Even the best marketing campaign is useless if it does not get to the right audience. Testing of these types of events is essential, otherwise a marketing strategy effectively becomes a black box.

**Profit:** Traditionally marketing can be a cost center but it is time to stop treating it as a cost and start viewing it as an investment. Related to performance, it is useful to start measuring the return on marketing investment (ROMI). Through financial management, it is possible to aggregate marketing costs and make models on how much contribution to sales the marketing has provided. This can help to tweak future investments in marketing and optimize for ROI by manipulating marketing investments.

Midterms should be starting pretty soon, so good luck, Caltech. I believe in you.

Brad/Chad

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**Crossword**

Across
1: Speech loss condition
8: Org. for the Lakers and Clippers
11: Crime scene drama with NY and MIA spinoffs
14: What may bring Tom Brady or Russell Wilson to his knees?
15: “You’ve Got Mail” company
16: “Atlas Shrugged” author Rand
17: Techer’s basis... for both answers? (See 35-Across)
19: FDR successor
20: Remove stitches from...
21: What one does on a couch to help tell the truth in therapy, stereotypically?
22: Adj. describing the group that you originally needed eight badges to fight
24: Youtube time waster...
27: High resolution scanning
29: (In the) eye of the storm...
31: Youth organization with a heart, hands, and health pledge involving one’s head,
32: Transparent collectible of animation films
33: Species of cat?
34: Alien’s transportation
35: No foliage grows above it
36: No foliage grows above it
38: 31 1/3 rpm records
39: Bob of ESPN’s Outside the Lines
40: One of multiple structurally different configurations of the same element
41: Coyote cousin
46: “___ King, Adventure Time”
47: Laser beam target...
52: Rower’s tool
53: “I... message on your machine” (Rare comment these days)
58: Famous letters in an equation by 59-Across’s namesake
59: German mixologist’s element... for both answers? (see 35-Across)
60: ___ King, Adventure Time
62: Runner-up Sanchez for election
63: The second half of... for both answers? (See 35-Across)
64: Caltech’s additions to Sloan, Bridge, and Gates
66: Fraction of a min.
67: World’s tallest mountain

Down
1: Jesus or Moses of baseball
2: The “it” of Justice Potter’s famous quote, “I know it when I see it.”
3: Abbr. for “Household Water Treatment and Safe Storage”
4: Tennis great Arthur...
5: Arctic finch
6: Fleming (the James Bond creator, not the house)
7: Speed Skater
8: “He-Who-Must-Not-Be-
9: Constrictor
10: Outwardly claim
11: Office location for Caltech’s Sargent? (not at Arms)
12: 11-Down scientists study the Solar one
13: Puts 6 feet under
14: “Tin Tin”
23: JFK’s neighbor airport
25: “Hey there sexy!”
27: High resolution scanning technique, briefly
28: Luau staple food
29: Air... sports playing retriever of movies
30: Transparent collectible of animation films
31: Species of cat?
32: Disease reducing the blood’s ability to carry oxygen
33: Alternative to an MRI
34: Alternative to Hyundai
35: Arterial suffix for “a-
36: Yuki (of “Karate Kid” and “Breakfast Club”)
37: “I got an... my test!”,
38: 31 1/3 rpm records
39: Bob of ESPN’s Outside the Lines
40: Famous letters in an equation by 59-Across’s namesake
41: First names of Smith and Yuki (of “Karate Kid” and “Yugioh” respectively)
42: Disease reducing the blood’s ability to carry oxygen
43: Alternative to MRI
44: Alternative to “yugioh”
45: Can be granted, denied, or random
46: “Everyone... a plan until they get punched in the mouth” -- Mike Tyson
47: Reducing the blood’s ability to carry oxygen
48: Common mixer with Gin
49: “Everyone... a plan until they get punched in the mouth” -- Mike Tyson
50: Arterial suffix for “a-
51: “Sickle Cell...”
52: “Everyone... a plan until they get punched in the mouth” -- Mike Tyson
53: “Prix... menu”
54: The E of D.O.E.
55: Typical weekday for U.S.
56: “Prix... menu”
57: Cptl. of the Netherlands
58: Famous letters in an equation by 59-Across’s namesake
59: German mixologist’s element... for both answers? (see 35-Across)
60: ___ King, Adventure Time
61: A handwritten itl. goes in one of these

**Photo** Courtesy of Zach Bilich ('14)
Acquired Taste

Dr. Z

Meanwhile in Iwo Jima...

Don't hang on.

Rochelle Weber

LONG CAT SAYS:
“WRITE FOR THE TECH:
EARN DOLLA DOLLA BILLZ Y’ALL”

Liz Lawler

Hey kids! Do you like reading the Humor section of The Tech?

Yeah.

Well most of the comic writers are juniors and graduating, so unless you underclassmen start making comics there won’t be any next year.

Answers to previous crossword

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