Ferguson case raises concerns

HANNALORE GERLING-DUNSMORE
Contributing Writer

On Nov. 24, 2014, a grand jury decided to not indict police officer Darren Wilson in relation to the killing of 18-year-old Michael Brown. This initiated nationwide protests that as of Nov. 29 still continue, as people throughout the United States reach their collective breaking point over police brutality, police militarization, and the mismanagement of investigation into and prosecution of police killing black males.

In the United States, a black man is killed by police officers every 28 hours on average, bringing the yearly average to 312. The FBI reports that police officers killing unarmed black males: Michael Brown, John Crawford III, Eric Garner, and most recently, 12-year-old Tamir Rice. John Crawford was shot for carrying a toy gun around a Wal-Mart, and while the police initially claimed he was acting in a threatening manner, released security footage later showed he was shot without provocation. Eric Garner was being arrested for selling loose cigarettes, and died due to an illegally used chokehold that strangled him. Rice was playing in a park with a toy gun when police arrived and, within a matter of seconds, fatally shot him. The relevant police officers were not indicted in any of these cases despite the obvious misuse of lethal force.

Here at Caltech, most students, postdocs, and faculty are scientists. Here at Caltech, most students, postdocs, and faculty are scientists. As people throughout the United States reach their collective breaking point over police brutality, police militarization, and the mismanagement of investigation into and prosecution of police killing black males.

In 2014 alone, there were four high-profile cases of police officers killing unarmed black males: Michael Brown, John Crawford III, Eric Garner, and most recently, 12-year-old Tamir Rice. John Crawford was shot for carrying a toy gun around a Wal-Mart, and while the police initially claimed he was acting in a threatening manner, released security footage later showed he was shot without provocation. Eric Garner was being arrested for selling loose cigarettes, and died due to an illegally used chokehold that strangled him. Rice was playing in a park with a toy gun when police arrived and, within a matter of seconds, fatally shot him. The relevant police officers were not indicted in any of these cases despite the obvious misuse of lethal force.

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But AlBum nAIlen dIsCusses FeAtuRe -
BRAd/ChAd tAlKs

The performance included a mix of classical Indian and modern Bollywood music. The performance concluded with a lot of Bollywood in high school, so “joining Dhamaka seemed pretty logical.”

In the United States, a black man is killed by police officers every 28 hours on average...
The Caltech Y Column serves to inform students of upcoming events and volunteer opportunities. The list is compiled by Neera Shah, a student volunteer, with the direction of the Caltech Y and its student leaders.

More information about the Caltech Y and its programs can be found at https://caltechy.org. The office is located at 505 S. Wilson Avenue.

Upcoming Events:

1. **Tutoring Program**
   - **Dates:** Sunday | December 7th | 7:00 AM
   - The Caltech Y Outdoors group will hike to Oakville via Arroyo Seco on a 9 mile hike behind JPL. The elevation change is only 900 feet, so this hike is perfect for anyone (beginners to experts) who want to wander in the woods as a quick mental break before skiing.

2. **Rise Tutoring Program**
   - **Times:** M-Th | 4-6 PM | Willett
   - The Caltech Y Rise Program is currently accepting new tutors for the winter term. The program is hosted by the Math and Science-focused tutoring program that serves public school students between grades 8 and 12 who are struggling in math and science (receiving a C- or below in either subject). Tutoring takes place on campus. Tutors are matched with 1-2 students and will ideally work with the same student for the whole year. Tutors commit to 1-2 days per week matched with 1-2 students and will ideally work with the same student for the whole year. Tutoring takes place on campus. Tutors are matched with 1-2 students and will ideally work with the same student for the whole year. Tutoring takes place on campus.

Other Announcements - Beyond the Caltech Y

**City of Pasadena Homeless Count**
The Count and Survey are important in the ongoing effort to end homelessness in Pasadena. The U.S. Department of Housing and Urban Development (HUD) mandates that each jurisdiction that receives federal funding conduct a Homeless Count of unsheltered homeless persons every two years. The Pasadena Partnership to End Homelessness has conducted a count every year, which is encouraged by HUD. The Count and Survey are integral to tracking homelessness in Pasadena which in turn informs grants submitted to the federal government. As you may know, Pasadena conducts this count each January, with the upcoming date being Wednesday, January 28, 2015.

Participants will be out in teams of 2-3 in the early morning and late evening, tentatively from 6:30 AM - 8:30 PM and 10:00 PM - 1:00 AM. (Late evening, late evening, and evening.) Each Counter is required to attend an orientation/training meeting.

There will be two choice of evening orientation meetings: one to take place the week prior to the Count, Wednesday, January 21 or Thursday, January 22 from 6:30 PM - 8:00 PM. The other one is by visiting the Pasadena Partnership to End Homelessness at pasadenapartnership.com

Contact Mark Bradshaw at the Pasadena office 626-309-3787 or 860-404-3787 with any questions.

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Caltech's case causes questioning of justice system

The United States cannot claim it aims for racial equality while allowing the justice system to fail so many so profoundly. It is the duty of every American to hold the justice system accountable when it fails to be so up and Brown moving away from Wilson, and others claiming to have seen a punch or other aggressive actions from Brown, and still others essentially saying they weren’t sure what they saw of the event. In favor of Wilson claimed she saw Brown punching Wilson repeatedly, and later charging Wilson after stewing. The implicating of anyone charging toward anything as they slip into hydraulic shock, which results rapidly for the minutes prior to the shooting went on to admit that she had feelings that “others consider to be racist,” and admitted to using racial slurs to describe the defendant, Wilson.

Wilson’s gun was never tested for Brown’s fingerprints, nor did Wilson turn his gun over to investigators, instead bagging the weapon himself. The police officer taking Wilson’s statement did not take notes, making the reliability of the account questionable, and there was a substantial delay in taking Wilson’s statement in the first place, as Wilson was taken to the hospital after claiming he had been punched twice by the 6-foot-4, 200-pound Brown at “full force.”

The police officer taking Wilson’s initial statement did not take notes, making the reliability of the account questionable, and there was a substantial delay in taking Wilson’s statement in the first place, as Wilson was taken to the hospital after claiming he had been punched twice by the 6-foot-4, 200-pound Brown at “full force.”

Despite the clearly suspicious testimony, McCulloch did not seem to cross-examine Wilson on this point. He asked Wilson questions about the cigarillos, Wilson claimed Brown was also reaching for his gun on Wilson’s right side, yet also that Brown was punching him with his right hand, through the vehicle window (a Chevy Tahoe), though no cigarillos were found in the car. During the alleged punching, Wilson claimed Brown was also reaching with his right hand for the gun on Wilson’s right hip, which—barring Brown having two right hands—does not seem entirely possible, especially considering the height of a Tahoe’s window.

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The mismanagement of evidence, Wilson’s and other witnesses’ lying, McCulloch’s potential conflict of interest, and the complete misuse of a grand jury are all concerning failures of the justice system in response to Brown’s death. However, the most concerning information that has come to light was brought forward by the renowned hacktivist group, Anonymous. In the days leading up to the announcement of the grand jury’s decision, Anonymous members took over the South East Missouri Chapter of the Ku Klux Klan (TAKKKK) and began what they called #OpKKK, in which they revealed the identities of various TAKKKK members in an act they refer to as “de-hooding.”

Anonymously the de-hooded were a police officer, a deputy police chief and the chiefs in the area. TAKKKK raised money for Wilson’s defense fund, and threatened lethal force against protesters in Ferguson. On Nov. 26, 2014, Anonymous claimed to have information linking Wilson to the TAKKKK through an informant in the police station, though Anonymous has presented no further evidence supporting this claim. However, former TAKKKK member Henry Harrell told Anonymous, “I know for a fact that the TAKKKK members were pretty low down the totem that we didn’t do a whole lot to do with what went on in Ferguson.”

Ultimately, it is impossible to know what would have happened if Brown was killed, or even to properly do a forensic examination to support or refute his accounts. However, it is clear that there is a trend of police officers killing unarmed people, who are not engaging into their actions. The United States cannot claim it aims for racial equality while allowing the justice system to fail so many so profoundly. It is the duty of every American to hold the justice system accountable when it fails to be so.
Instrumentalist trio Lumen Drones releases debut album

NAILEN MATSCHKE
Contributing Writer

Lumen Drones, a Norwegian trio of instrumentalists, describes its music as “psychedelic drone,” a fitting but limited condensation of the folk, post-rock, progressive, and even classic rock influences that they meld together to produce the familiar yet heftily unusual sound that permeates their first, self-titled release. The group itself is composed of two main components: the pair of guitarist Per Steinar Lie and drummer Ørjan Haaland, both members of post-rock group The Low Frequency in Stereo, and famed Hardanger fiddle player Nils Økland. The presence of the latter is almost immediately apparent to listeners of this record, with the luxuriously rich, long, and echo-lined tones of Økland’s Hardanger fiddle, a traditional violin-like instrument with four additional resonating strings, serving as the melodic driving force of the music throughout the album. The traditional rock and blues sensibilities that Lie and Haaland bring to the table are draped around them by individual instrument, while “Dark Sea,” one of its most sparse and innocuous tracks, consisting primarily of reverb-heavy guitar chords strummed sedately along with brush-played drums, while the fiddle explores its range of tones through slow, simple melodic patterns. Every detail of the fiddle’s sound is on display, from the rasp the bow makes as it is slowly dragged to make the quietest notes to the cracks in the instrument’s tone when it is pushed to its loudest, and this casts some much-needed warmth in an otherwise cold and barren landscape. It comes together with the guitar midway through the song to execute a swell, picking up a strong pulse driven by the latter’ssteady power chords, and at their highest point the fiddle climbs up a few notes and then wispily dies away, leaving the guitar alone to carry out its last few notes before the whole song begins to slowly fade out. These slow, deliberate, and layered progressions are what comprise the skeleton of each track, allowing the fine details to be draped around them by each individual instrument, and while “Dark Sea” is a simplistic example of this, the trio quickly demonstrates that it has a bit more to offer on the technical side.

The second track, “Ira Furore,” instead opens up with chaotic tremolo-picked notes from the guitar and rumbling tom and snare rolls from the drums, underneath more wistful fiddle, before settling down into an almost jazzy groove with plenty of ride cymbal thrown in for good measure. The guitars on this track are quite a bit more adventurous as well, trading the spotlight between different tracks playing distorted chords or patterns fed through a strong tremolo effect, topped off by the occasional wah pedal-drenched chord floating out of the haze of electronic crunch. Also standing in contrast to “Dark Sea” is the fiddle, which ends up playing mostly a support role, providing the coherent melodies to tie everything else together as it builds into an indistinguishable mass of drums and guitars during the song’s climax.

Then, on “Amerorie,” it’s the turn of the drums to take a backseat, as the song focuses on the exchange between fiddle and guitar. The raps of the fiddle I mentioned earlier is blended with the hissing of the electric guitar, and more wah-laden chords are used to extend and complement notes held by the fiddle. The fiddle will often introduce a snippet of a melody, for the guitar to warp until it’s barely recognizable. It is at this point, however, that I feel the album misses a few opportunities to capitalize on its potential. The fourth track, “Echo Plexus,” is one of the most sonically conventional on the album, allowing the fiddle and guitar to play what sounds like traditional folk music over a constant march-like drum beat, producing plenty of material for fans of the Hardanger fiddle, but failing to add to the scope of the group’s sound in the same way as the first three tracks, which were much more deliberate explorations of what the group is capable of.

Then come the album’s two shortest tracks, “Lux,” which presents a surprisingly jazzy aesthetic but then does almost nothing to flesh it out, and “Husk,” which essentially serves as a prequel to “Keewater,” which itself is not a bad track, giving us one last emotional procession of subdued fiddle and guitar passages. However, I feel as though the space between the third and last songs would have been better filled by material that was a bit more engaging, especially since this would have helped with the awkward jump in pacing that the final track “Svartaskjær” causes. Closer to rock than anything else, the album’s closer has a heavy groove and is marked by fiery, energetic solos from the fiddle and guitar, technically surpassing anything else they do on the album and providing a satisfying conclusion to this unconventional musical experiment.

Despite a bit of stagnation in the middle, I must say that I really enjoyed this album. It leaves listeners feeling as though they’ve just traveled through dark Scandinavian wilderness, and are ready to sit down next to a humble fire for the frigid night. It’s incredibly immersive, and I can’t help but feel myself being drawn into the music, getting lost in the unforgiving but somehow comforting world it occupies. The passionate fiddle is absolutely like traditional folk music over a constant march-like drum beat, producing plenty of material for fans of the Hardanger fiddle, but failing to add to the scope of the group’s sound in the same way as the first three tracks, which were much more deliberate explorations of what the group is capable of.

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There’s more to it: Escaping the bubble

KSHITIJ GROVER
Contributing Writer

It’s no secret. If you go to a school like Caltech, everyone is a complete bubble. Boxed in. It’s not even a bubble—more like an opaque box. Oh, and it’s no Schrödinger experiment either—you’re alive (fine, this one is a little bit arguable), and you’re certainly in it. Boxed in.

There’s a lot of bubbles like this—including the Silicon Valley tech bubble. Let’s leave that one aside and talk about the one we all share: The Caltech Bubble

You guys know exactly what I’m talking about. Ask yourself:

When’s the last time I watched the news, not counting the quick glance at Chandler? More concretely, describe the results of the midterm election. Could I really fill someone your Math Set and compare approaches to #5.

3. Keep work in perspective by getting involved in something extracurricular means doing something extracurricular like volunteering at a Pasadena High School, going dancing at night with a school club, or just being more involved in your house, being occupied with things other than homework is going to keep your work in its place. Work is a part of your life, so make your life extend outside of work. Easier said than done, but the results are invaluable.

Some shorter ones:
1. Don’t turn down that trip to In-N-Out.
2. Work from Starbucks.
3. Put down messga and hit Call.
5. Go to a concert off-campus.
6. Go to that study abroad meeting. Escape for a term.
7. Buy a plane ticket to that conference you want to go to.
8. Take a road trip, and figure out a way to do your sets later. You’ll be fine.
9. Call home. (This has nothing to do with getting out of the bubble, but really—Call home.)
10. Start a project with a group of friends that’s not academic. You’ll come to treasure that time.

These little things aren’t going to fix everything. They seem obvious at first. Yet, to me, these are the little things that keep all our problems on campus in perspective.

There’s more to it. Pop.

On Sunday afternoon, I stepped from a busy sunlit street into the cool space of the Armory Center for the Arts. Venturing further into the antechamber, I found beneath my feet a glass palace; behind it was a room filled with DeCember 1, 2014
Beavers may fall in home opener, but Kate Lewis soars

PASSAIC, Calif. (Nov. 26, 2014) – Sophomore Kate Lewis (San Antonio, Texas / Ronald Reagan) recorded her second straight double-digit effort and first double-double of the season as the Caltech women’s basketball team hosted Linfield College in the Beavers’ home opener on Wednesday night.

“Kate is doing a tremendous job making the most of her game,” Head Coach Sandra Marbut said. “She has scored well two games in a row and there is still plenty of room to hone her skills. That speaks to her talent and her focus.”

The Wildcats built up an early lead and extended the margin to a final of 28 points in a 77-49 victory, improving to 4-2 while extending the margin to a final of 28 points, respectively, in just 33 minutes combined off the bench, with Galliani adding a team-high six rebounds in 18 minutes. Sophomore Nick Buscicenti (Orlando, Fla. / Lake Highland Prep) mustered two points, three rebounds, two assists and two steals in just 16 minutes coming off the bench as every healthy Caltech player saw at least three minutes of action in the game.

“I am happy with how players are stepping up to score,” Marbut said. “We can see we are a deep team, and I loved the way we finished out the game. We’ve gotten some terrific senior leadership from Hogue and [Bryan] Joel, who have learned so much over the years and are trying to pass that on to the young guys so we can really build something.”

The picture of Stephanie was too blurry, so here’s another picture of Kate Lewis

PASSAIC, Calif. (Nov. 26, 2014) – Sophomore Ricky Galliani (Menlo Park, Calif. / Sacred Heart Prep) made an impact off the bench as the Caltech men’s basketball team endured a second straight night of cold shooting in a 76-48 loss to six-time defending Northwest Conference champion Whitworth University on Saturday night.

The Pirates separated early, building a 15-6 lead in the opening four minutes, and the Beavers simply could not keep pace as shot after shot failed to fall. Whitworth, which has qualified for nine consecutive NCAA Championship appearances, improves to 3-2 with the win while Caltech dips to 0-5.

“I saw some really great things tonight,” Marbut said. “There was definite improvement from the first two games. Our players are learning completely new things because our thin roster necessitates some creativity to play to our strengths. We can see it starting to work, but it takes time. The progress we have already made is beyond what could have been expected, which is exciting!”

Linfield picked up the first points of the game nearly two minutes into play, but junior Stephanie Wong (Palos Verdes Estates, Calif. / Palos Verdes Peninsula) nailed a three-pointer on the next possession to give Caltech the 3-2 edge. A 17-4 run allowed the Wildcats to surge ahead by 12 at 21-9 after three straight 20-point efforts with another impressive 36.4 percent from long range and sank 71.4 percent from the charity stripe, but lost the assist-to-turnover battle (22:15 – 7:19).

“I am happy with how players are stepping up to make it a close game down the stretch today,” Marbut said. “I was happy to see the second half surge we made, which certainly made them work hard to take away that win. Combined with the drastic size disadvantage we had down low, we stayed in the game well.”

ETBU scored the first five points of the game and built up their lead to as much as 19 with 4:21 left in the half. Behind by 16 at the break, Caltech began to rally in the second half, pulling within 10 at 45-35 after the first five minutes. The Beavers were able to stretch their lead back out to a game-high 22 points at the 5:57 mark, but the Beavers brought the final margin back down to 19 by the final whistle.

Wong led the Beavers with 16 points on 5-of-11 shooting (4-of-9 beyond the arc) and completed an all-around line with eight rebounds, three steals, two assists and one block. Sophomore Kate Lewis (San Antonio, Texas / Ronald Reagan) followed up her three-straight 20-point efforts with 16 in just 16 minutes. The Beavers were able to stretch their lead back out to a game-high 22 points at the 5:57 mark, but the Beavers brought the final margin back down to 19 by the final whistle.

Wong added 13 points on 3-of-6 shooting from beyond the arc to go along with six rebounds and four steals in just 26 minutes before fouling out.

“Stephanie to score for us even when she is not quite in her groove yet,” Marbut said. “Everything is new this season, so she is finding her way within that. Steph is doing exactly what we want her to do and finding more ways to contribute.”
ASCIT Minutes
There was no ASCIT meeting last week, so there are no new minutes to be posted.

The California Tech would like to thank The Moore-Hufstedler Fund for funding the purchase of new equipment, including computers and cameras.

The Tech staff appreciates the Fund’s support of the paper’s commitment to better inform the Caltech community and to reach a wider audience.

REMINDER FROM THE COUNSELING CENTER:

Meditation Mob
(drop-in mindfulness meditation group)
meets every Tuesday
Bottom floor of Winnett
from 12:00-12:50 pm

CALTECH THEATER offers several chances to branch out and take chances, have fun and expand your social network this fall!

1. Wednesday Nights 730-930 in Ramo Auditorium.
   Director of Theater Arts Caltech, Brian Brophy (Star Trek TNG, Shanshank Redemption) helps guide you through the fundamentals of Directing/Acting/Writing for the stage (life), to a final production of several ten-minute plays by students December 3, 2014. We still have room for about six more students! Last chance 2014!

2. WANTED: Actors, singers, musicians, technical personnel, and designers for new, original Caltech musical Alice Through the Wormhole! This musical is currently in the development phase with a world premiere run February 20-March 1, 2015! If you are interested in any facet of production, including script development, contact Brian directly!

REMINDER FROM ARTS:

Hiring Ushers
Flexible hours.
No experience needed.
Outgoing Personality.
Pay Rate: $15 per hour

Caltech Students only!!

Contact: Adam Jacobo
626.395.5907
ajacobob@caltech.edu

The California Tech

NOMINATE YOUR FAVORITE PROFESSOR FOR THE FEYNMAN TEACHING PRIZE!!!

Here’s your chance to nominate your favorite professor for the 2014-15 Richard P. Feynman Prize for Excellence in Teaching! You have from now until January 5, 2015 to submit your nomination package to the Provost’s Office to honor a professor who demonstrates, in the broadest sense, unusual ability, creativity, and innovation in undergraduate and graduate classroom or laboratory teaching.

The Feynman Prize is made possible through the generosity of Ione and Robert E. Paradise, with additional contributions from an anonymous local couple. Nominations for the Feynman Teaching Prize are welcome from faculty, students, postdoctoral scholars, staff, and alumni.

All professorial faculty of the Institute are eligible. The prize consists of a cash award of $3,500, matched by an equivalent raise in the annual salary of the awardee. A letter of nomination and detailed supporting material, including, but not limited to, a curriculum vitae, course syllabus or description, and supporting recommendation letters should be emailed to kkerbs@caltech.edu or directed to the Feynman Prize Selection Committee, Office of the Provost, Mail Code 206-31, at the California Institute of Technology, Pasadena, California, 91125. Nomination packages are due by January 5, 2015.

Additional information including guidelines for the prize and FAQ may be found at http://provost.caltech.edu/FeynmanTeachingPrize. Further information can also be obtained from Karen Kerbs (626-395-6039; kkerbs@caltech.edu) in the Provost’s Office.
Get Fit with Brad/Chad: Supplementation Part I

Hey girls and guys. It's week 10! I hope you had a successful Thanksgiving, and by successful I mean that you ate as much turkey as possible, passed out from a food coma and woke up just in time for school this week. By that definition, my Thanksgiving was a success. I don't have a cool monologue this week because I was either sleeping or working on sets for all of it, so here's something to think about instead: Three men are on a boat and horse growth hormone. It's such as protein powder, creatine, and horse growth hormone. It's important to note that supplements are exactly as the name suggests: they supplement your diet, not replace it. You can't out-train or out-supplement a bad diet. So what is the purpose of supplements? Well the answer depends on the specific supplement. Some are there because in most cases your diet is not giving you everything that you need to have a balanced nutritional intake. Some are there to help you achieve your training goals faster or allow your body to sustain more intense workouts. And some are there to augment your macronutrient intake. Here's a look at supplements that I recommend and what they are used for:

I. Daily Multivitamin: This is your standard once-a-day tablet that will usually provide around 100% of your recommended macronutrient intake according to the FDA based on a 2,000-calorie diet. I mark this as (W) MANDATORY. In most cases you are almost certainly not getting everything that will promote smooth bodily function from your diet in recommended amounts. I am so serious about this that I took a month's supply with me on my backpacking trip this summer. It was the only supplement I was not willing to part with. These also usually come with some extra stuff added in, like probiotics or herbs, depending on the brand. I personally recommend OptiMen and I want to say OptiWomen but as I've never used the latter I can't give it my full blessing. Do some research and see what appeals to you and your needs.

II. Protein Powder: The quintessential bro-drink, the protein shake. Protein powder is useful for a lot of reasons. The main reason is that having a direct source of readily digestible protein free from other macros can prove quite beneficial when trying to fill your daily calorie needs. There are also several types of protein, each with a different digestion rate. The two common ones are the quick-digesting whey protein and the slow-digesting casein protein. Quick digestion is preferable after a workout to get the protein into your bloodstream immediately, while slow digestion is desirable so that there is a steady supply of protein to the muscles if going to bed or just wanting a protein source in the background. You can buy whey or casein separately and then mix them as desired, but I've found that it's easier to simply buy a blended protein powder to avoid the hassle of mixing from two different tubs. I recommend Optimum Nutrition Gold Standard 100% Whey or Pure Whey or casein separately and then of mixing from two different tubs. I recommend Optimum Nutrition Gold Standard 100% Whey or Pure Whey or casein separately and then in the background. You can buy whey or casein separately and then mix them as desired, but I've found that it's easier to simply buy a blended protein powder to avoid the hassle of mixing from two different tubs. I recommend Optimum Nutrition Gold Standard 100% Whey or Pure Whey or casein separately and then in the background. You can buy whey or casein separately and then mix them as desired, but I've found that it's easier to simply buy a blended protein powder to avoid the hassle of mixing from two different tubs. I recommend Optimum Nutrition Gold Standard 100% Whey or Pure Whey or casein separately and then in the background. You can buy whey or casein separately and then mix them as desired, but I've found that it's easier to simply buy a blended protein powder to avoid the hassle of mixing from two different tubs.

Supplementation will be continued in a future article. I hope you haven't forgotten about my brain teaser: The three men throw one overboard, then the boat becomes a cigarette lighter. Start studying for finals! -Brad/Chad

Armory artwork elicits childhood memories

Continued from page 4

The other works are similarly subversive in form. Evan Holloway contributed a series of etchings that depicts various epic sculptures by the Abstract Expressionist David Smith seen from the side, reducing them to thin, rectangular structures and emphasizing their two-dimensional nature. Farrah Karapetian’s “The Kitchen and Its Negative” features the interior of a kitchen with entire sectors blackened by soot marks, inspired by those that the artist saw burnt onto walls in Hiroshima in World War II. On the other side of a dividing wall, one finds the blackened sectors now rendered in bronze, floating displaced in the absence of the damaged parts of the kitchen. But perhaps the most poignant of all was Artur Żmijewski’s “Deaf Bach.” Although the work itself is purely audio, the use of space is devastatingly effective. One “enters” the work through a doorway that leads into a small room with bare floors and walls, sparingly furnished with a few wooden stools. Hence the attention is fully captured by the only stimulus, a recording of a deaf choir’s interpretation of a Bach score. The choir’s wailing is artless, impassioned, dissonant; assaulted from all sides, the listener feels unsettled and exposed. Meanwhile, a piano plunks out the accompaniment, the sublime beauty of Bach’s composition leaking out through the chasms of the playing like sunlight through clouds. Although the world of the deaf is alien to us, one can sense something familiar and universal in what they seek to express. Perhaps it is the very desire for expression itself, and what it offers: the assertion of one’s existence through human connection.
Acquired Taste

Want to go hang gliding?

How about extreme ironing?

Don’t you have grad apps?

Answers to previous Sudoku

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4 8 5 2 6 1 3 7 9
3 9 2 7 8 4 6 1 5
6 7 1 9 5 3 4 8 2
2 4 7 6 9 5 8 3 1
9 6 8 1 3 7 5 2 4
5 1 3 8 4 2 7 9 6
1 2 4 5 7 8 9 6 3
7 3 9 4 1 6 2 5 8
8 5 6 3 2 9 1 4 7
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Answers to previous crossword

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D A N O T H E R T I S E E W O R D
P A N I D O C O N A P A C E
T R E S T L E B R A T T L E
E P I E D E U R E
A L E G A R E D O U S C H
H L E A P I F O T
E A S Y T O R R A N C E
L E A D E R L U E F L O C H
D E L E T E C A N E D O E S
T O O L S
S T O P P E R T R O U B L E
P A P A L O C O Y I N L A W
A R E N A S A F E S C H O R
M O N E T Y W E A T H E R
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“Wanna write a comic?”

Dr. Z

Georgio Kraggman

What’s a scientist’s favorite flavor of gum?

Exsparmint.

Rochelle Weber

The California Tech
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