The California Tech

VOLUME CXX NUMBER 7 PASADENA, CALIFORNIA TECH@CALTECH.EDU NOVEMBER 7, 2016

Late-night lockdown: armed carjacking suspect causes campus security incident

RAMYA DESHPANDE AND TANVI GUPTA
Contributing Writers

On the night of October 25th, the Caltech campus was put under lockdown and students were told to remain in their rooms. But what was the full story? An armed carjacker, 21 year old Khalil Abdulrahim, fled from the police, crashed into a car and was chased into campus, which was subsequently placed on lockdown for nearly four hours while campus security and five local police departments searched the area. The suspect was eventually caught and taken to a local hospital to be treated for leg injuries from a police sniffer dog. The investigation was a joint effort by Altadena station, Glendale Police, Alhambra Police, South Pasadena Police and El Monte Police, and involved the Pasadena police helicopter (Pasadena Star-News).

The Day Of - A Timeline of Events

9:30 pm: Police spot stolen Audi A8 on Holliston Avenue. Information filters through the student body about police activity on campus.

9:32 pm: Tom Mannion, Senior Director of Student Activities and Programs, confirms the presence of a carjacking suspect on campus and mentions that police were closing Del Mar Boulevard and Holliston Avenue - this may be the first notification received by any student.

9:35 pm: House mailing lists start notifying students to stay inside.

9:48 pm: Timothy Liu, ARC Chair, emails the undergraduate mailing list.

9:52 pm: Security asks some Fleming students to guard the South Houses gates.

10:01 pm: First Caltech Security alert informing students about the carjacking and asking for any information.

10:19 pm: Tom Mannion confirms that five police departments had been called in.

10:45 pm: Caltech Security sends official word of the lockdown. Most students had already stopped leaving their buildings at this point.

10:49 pm: A car drives by on Del Mar Blvd with a megaphone, telling people to stay in their homes.

10:52 pm: Caltech Security sends out an alert asking students off campus not to return until further notice.

11:12 pm: Tom Mannion confirms that K9 units will be in use, South Houses notify students soon after.

12:08 am: Tom Mannion confirms that suspect was apprehended, but an all-clear had not been issued yet.

12:26 am: Tom Mannion confirms an all-clear had been issued.

12:28 am: Caltech Security sends an all-clear.

A Stroke of Misfortune - Student Stories

Several students were caught in inconvenient locations, from spending an unprecedented amount of time in Mead to having an impromptu board game night at Tom's:

ANANT KALE and his American History class were stuck in Baxter 120 until about 1:15 am, for a class that was supposed to end at 9:30 pm. A few students, including the professor, left, unaware at the time of any danger on campus. The students left behind pulled out a chair, pushed it against the door and closed the blinds, but were not visited by security or the police during the night.

CAYLA DEDRICK was walking to Tom Mannion's house at the time of the events. "I didn't really know what was happening so we kept walking and as we were leaving campus the cops arrived. I was worried and kind of wished that I was on campus with everyone else even though that was where the danger was, But I think we had more info than people on campus there because Tom was in contact with other admins."

SARAH CRUCILLA was in her Chemistry lab at the time. "We were in Chem lab for approximately 5 hours, which was a little stressful. We were one of the last buildings to be notified about the lockdown, and then Chem lab has two large glass doors in the back of the room, which could have been a clear sign to a potential intruder that people and dangerous chemicals were inside...We were notified about everything being ok via blast text."

DESSIE DIMINO was in her fencing class during the lockdown. "They shut all the doors and locked everything in the gym. I guess we were notified a bit before 10pm? We all sat around and waited for it to end, we didn't have too much to do and no one had work. We waited about 2 hours. Some people tried to sleep."

The Aftermath - Student Concerns

Perhaps the greatest concern has been the delay in notification about the events unfolding: several students were aware of the situation due to house communications and group chats before Caltech Security sent out the first alert. A feedback session was held on November 1 with Dean Gilmartin and Title IX Coordinator Felicia Hunt in an effort to address these concerns. Some of the issues brought up include the possibility that security was unsure whose role it was to notify students, the fact that students do not really know who security is and the notification divide between undergrads and grads/faculty. Several solutions were proposed to handle the issues: employing an alarm to signal lockdown, introducing security liaisons to facilitate communication between security and students, having lockdown drills, giving UCCs and Health Ads training relevant to such a situation and hosting a town hall of sorts for student concerns.

What might have contributed to the general consternation is the fact that Caltech is a much smaller and subsequently safer campus than many others, which makes us more vulnerable to confusion in such situations due to less precedent to act on. This seems to have been the case on the 25th, and it's important that we look closely at what happened so future events find us appropriately prepared.

(Information courtesy of Henry Swanson, Nikita Sirohi, Anant Kale, Cayla Dedrick, Sarah Crucilla and Dessie DiMino)

Caltech Y Community Service and Advocacy Fair
Photos Courtesy of Hye Joon Lee

IN THIS ISSUE

ANNOUNCEMENTS | PAGE 2
TOTEM ANNOUNCES PROJECT IDEA

OPINION | PAGE 3
ANDREW REFLECTS ON CAMPUS ART THAT ALMOST WAS

SPORTS | PAGE 5
VOLLEYBALL WINS FINAL GAME OF SEASON

SPORTS | PAGE 5
FEIST ENDS CAREER WITH 559 TOTAL SAVES

Caltech Y Column

CALTECH Y

The Caltech Y Column serves to inform students of upcoming events and volunteer opportunities. The list is compiled by Katherine Guo from information given by the Caltech Y and its student leaders.

Founded by students in 1916, the Y was organized to provide extracurricular activities planned and implemented by students as an opportunity to learn leadership skills and discover themselves. The mission of today's Y remains the same—to provide opportunities that will prepare students to become engaged, responsible citizens of the world. The Y seeks to broaden students' worldviews, raise social, ethical, and cultural awareness through teamwork, community engagement, activism, and leadership. 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.

Ongoing and past programs hosted by the Caltech Y:

Alternative Spring Breaks: Peru, Costa Rica, New York, Yosemite, San Diego, San Francisco

Make-A-Difference Day: Hillsides Home for Children, LA County Arboretum and Botanic Garden, Children's Hospital Los Angeles (Coachart), Eaton Canyon, Lifeline for Pets

Explore LA: Lakers game, Next to Normal musical, Norton Simon Museum trip

RISE Tutoring program (an afterschool math and science-focused tutoring program that serves public school students between grades 8 and 12)

Upcoming Events

1. Smorgasburg LA - Caltech Y Explore LA Series

Sunday | November 13th| 11:30 - 2:30 PM | Downtown LA | Free

Join the Caltech Y on a trip to Smorgasburg LA, a weekly food fest in downtown LA. We will leave from campus at 11:30 AM and arrive at the food fest around noon. We will have 2 hours to enjoy the market and will get back on campus around 2:30 PM.

Admission is free. Please bring money to buy food and goods at the market. The market is located at Alameda Produce Market, 785 Bay St, Los Angeles, CA 90021. Transportation is currently not provided. If you are willing to drive other participants to and from the museum, please indicate so in the sign up form. Please contact Bianca Yang at byang@caltech.edu with questions.

Sign up here: https://goo.gl/forms/4bJGxPxbQbLEwtv52

2. Annenberg Photography Space - Caltech Y Explore LA

Sunday | November 20th | 1:45 PM | Beverly Hills | Free

Join the Caltech Y for a guided tour of Annenberg Photography Space in Beverly Hills! This space is supported by the Annenberg Foundation which also built Caltech's Annenberg Center for Information Science and Technology. Our visit will include a 30 minute guided tour of the gallery space and a 23 minute documentary on the exhibit in the gallery. Afterwards, you have free time to explore Skylight Studios and the surrounding area. Read more about the space here: Https://www.annenbergphotospace.org/

Admission is free. Transportation is not provided but you can indicate on the signup form if you are willing to drive others. Please arrive at the Museum by 1:45 pm as our tour starts promptly at 2pm. Please contact Bianca Yang at byang@caltech.edu if you have any questions.

Address: Annenberg Photography Space – 2000 Avenue of the Stars, Los Angeles, CA 90067

Sign up here https://goo.gl/forms/b6n899qL6uPz3Ixk1

3. Hathaway Sycamores

Every Wednesday | 5:30 - 8:00 PM | Highland Park

Volunteer at Hathaway Sycamores, a group that supports local underprivileged but motivated high school students. There are a variety of ages and subjects being tutored.The service trip includes about an hour of travel time and 1.5 hours of tutoring. Transportation is included. For more info and to RSVP email Sherwood Richers at srichers@tapir.caltech.edu. Eligible for Federal Work Study.

4. Pasadena LEARNS

Every Friday | 3:00 - 5:00 PM | Pasadena

Come volunteer at Madison and Jackson Elementary School! We are partnered with the Pasadena LEARNs program and work with their Science Olympiad team or do regular tutoring along with occasional hands-on science experiments. Transportation is provided. For more information and to RSVP, contact azhai@caltech.edu. Eligible for Federal Work Study.

5. Save 20% on tickets to A Cinderella Christmas at the Pasadena Playhouse!

Dec 8th, 2016 - Jan 8th, 2017

The Caltech Y has partnered with the Pasadena Playhouse to bring you a 20% discount on tickets to the Panto performance of A Cinderella Christmas at the Pasadena Playhouse.

Panto at The Playhouse, now in its fifth year, has become a "must-do" holiday tradition for California residents. A Cinderella Christmas is the latest Holiday Spectacular presented by The Pasadena Playhouse and Lythgoe Family Panto in the style of the traditional British Panto. A Panto is interactive holiday fun for all ages, and the timeless tale of Cinderella will feature comedy, magic, dancers from 'So You Think You Can Dance' and contemporary music from Meghan Trainor to Justin Timberlake.

Save 20% on tickets with the code: CaltechY.

http://pasadenaplayhouse.org/Cinderella

Caltechlive!

EARNEST C. WATSON LECTURE SERIES

Wednesday, December 7, 2016 | 8 PM

PLANET NINE FROM OUTER SPACE

At the outskirts of the solar system, beyond the orbit of Neptune, lies an expansive field of icy debris known as Kuiper belt. In this talk, Batygin will argue that the observed clustering of Kuiper belt orbits can be maintained by a distant, eccentric, Neptune-like planet, whose orbit lies in approximately the same plane as those of the distant Kuiper belt objects.

Konstantin Batygin
Assistant Professor of Planetary Science
- Biedebach Memorial Lecture -

Public Lecture | Free Admission | Free Parking
Caltech's Beckman Auditorium
www.events.caltech.edu | (626) 395-4652

Project IDEA. inspire discover express accept. Caltech's creative assignment for your week.

This project is inspired by Learning to Love You More (LTLYM, learningtoloveyoumore.com), a community-based web project created by Miranda July and Harrell Fletcher. LTLYM was a series of creative "assignments" for people to do, and the website was a space for participants to upload their response. It guided participants with directions and gave them an opportunity to create, perhaps while doing things they wouldn't normally do. By providing some direction through our assignments, we hope to promote creative expression in the Caltech community. We encourage you to think and talk about these prompts, even if you do not follow through with carrying out the work they suggest. We want to inspire you to explore yourself and take another look at the people and world around you. Please send all responses and questions to totem@caltech.edu. Thank you.

Write an advertisement for a job that if existed and was offered to you, you would take with no hesitation.

Take a picture of a flower--a close-up of only one so it fills the view.

Make a list of 50 things you like.

If you could leave behind a building/site, what would it be like? Hospital? Museum? Amusement park? Feel free to include drawings.

The time Caltech almost built a wall

ANDREW MONTEQUIN
ASCIT President

Last week, I wrote about Moore's Stone Volute, the stone behemoth constructed by artist Lloyd Hamrol that had to be removed to allow for the construction of Schlinger Laboratories. As I have found out in the time since writing that article, the construction of Moore's Stone Volute coincided with the construction of Moore Laboratories near the northern border of campus and was the result of a clause in Caltech's Master Plan, an agreement between Caltech and the city of Pasadena that governs construction and development on campus. Specifically, the master plan states that "each time an Academic, Administrative or Athletic building over 70,000 square feet of gross floor area is constructed, Caltech shall include in the project a public art component equal to or greater than one percent (1%) of the construction cost." Because Moore fits these size requirements, >1% of its budget was diverted to public art and thus Moore's Stone Volute was born.

Not long after the construction of Moore, philanthropist and Los Angeles resident Eli Broad made a sizable donation to Caltech for the construction of a new center for the biological sciences on campus, the building colloquially known today as "Broad." As those of you who have visited the new Broad Museum in downtown Los Angeles may know, Eli Broad is himself a connoisseur of the fine arts. He saw the construction of the new lab as the chance to bring a renowned piece of art to Caltech, and indicated that he would be willing to contribute much more than just 1% of the budget to make this happen. After some discussion, the Institute Art Committee decided that the right artist to do such a job would be Richard Serra, one of the most famous American sculptors of his time. The piece that Mr. Serra envisioned to go with the building, slated to be built on the lawn directly south of Broad and west of Beckman Institute and named Vectors, was an eight-foot tall steel sculpture, zig-zagging across the entire diagonal length lawn.

When Vectors was announced to the campus at large, not everyone was excited about its construction. Students noted that the sculpture would interrupt any sort of athletic activities that happen on the lawn such as the informal frisbee and football games that are commonplace. Others expressed concern that it would offer a perfect hiding spot for muggers, in addition to offering the prediction that it would become "the largest fire hydrant in the city" for the local dogs. Even the Caltech Provost at the time was opposed to the sculpture being built, labeling it as a wall and stating that "Walls are symbolic of suspicion, mistrust, hiding, secrecy, a need for secrecy.... Caltech stands for none of those things." Opposition was shown through other means as well, such as the dumping of a broken down car and other junk on the lawn and labeling it with a price tag of $1.8 million, the estimated cost of Vectors. In the end, David Baltimore, Caltech's president at the time, rejected the sculpture due to the expressed concerns despite his own desire to bring a world-class art piece to Caltech.

Behind this anecdote of the time Caltech almost built a wall (and made Eli Broad pay for it), we can find an interesting case study of form affecting function. Beckman Lawn as it exists today is certainly one of the largest open lawns on campus and, given its proximity to Wilson Avenue, has a strong connection to the world outside of the Caltech bubble. If you take a quick walk over to the lawn at almost any time of day, you're just as likely to see community members walking their dogs as you are to find students taking naps or studying in the grass. The annual Beaver 5k, which uses Beckman Lawn as the starting and ending point, mixes members from every branch of Caltech's community with local runners and sponsors, while soccer matches on the lawn regularly attract players from inside and outside of Caltech. Although we will never know exactly how the lawn would be used if the sculpture were built, it is safe to say that none of those activities could occur. Maybe the area would have become an peaceful area for those seeking respite hidden in the crevices of Vectors, or maybe it would have concealed criminals as some were afraid of, turning the northwest corner of campus into an untraversable hotspot for crime.

Regardless of how Beckman Lawn would have turned out, we can all find examples of form affecting function in our daily lives at Caltech. Vending machines in high traffic areas tend to get a lot more business than those that are more out of the way. Every house probably has corners where two or more alleys connect that often turn into pseudo-lounges for people to socialize in. As Caltech prepares to break ground on the construction of a new dormitory on campus, the infamous Bechtel House, this relationship between form and function is perhaps of greater importance now than ever before. No matter what group of students ends up living in Bechtel, it is certain that the architectural design of the building itself will have a huge impact on its social dynamics.

Photo on page 7

Fall Term Workshops - Caltech Counseling Center
counseling.caltech.edu

CATALYST
A 3-workshop series to cope better with stress.
Section D starts Mon Oct 31, 4:00 - 5:00
Section E starts Mon Nov 7, 2:00 - 3:00
All in Sherman Fairchild Library 229

SPARK
A 3-workshop series to stop procrastinating and avoiding work.
Next Section TBA; see website for details
Sherman Fairchild Library 231

REFRESH
A 1-hour workshop to get better sleep.
Section A: Wed Nov 30, 12:00 - 1:00
2nd Floor, Winnett

EMOTION LAB
A 3-workshop series to identify, regulate, & communicate your emotions.
Section A starts Tue Nov 1, 4:00 - 5:00
Sherman Fairchild Library 229

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Volleyball sends off seniors with a win

GOCALTECH.COM
Actual Sports Content Editor

A candid photo of the volleyball team doing what they do best - cheering!

Photo Courtesy of Michael Wong

PASADENA, Calif. (Nov. 1, 2016) – The Caltech volleyball team avenged a 3-1 season-opening loss against West Coast Baptist College on Tuesday night, sweeping the Eagles in the season finale on Senior Night in Braun Gymnasium. Freshman Ellie Walker fueled the offense with 31 assists while both Alexa Lauinger and Lauren Li closed out their rookie campaigns with double-doubles.

The win marked the third straight year the Beavers have sent off their senior class with a victory, this time bidding farewell to Suzannah Osekowsky and Ker Lee Yap.

The Beavers took advantage of Eagles mistakes early to lead 15-8 in the first set, forcing a West Coast Baptist timeout. Caltech maintained control and won the first set, 25-14, behind a balanced offense that saw four players register at least two kills. The Eagles kept it close in the beginning of the second set, tying the game at 6-6. Caltech went on to score nearly two points for every one WCBC notched, eventually claiming a 25-16 win.

West Coast Baptist refused to give in despite the two-set deficit, taking the lead at 3-2 in the third and reclaiming it at 10-8. The Beavers accepted the challenge, firing back with eight unanswered points as junior Mayra Melendez held serve. The teams traded short runs until the Eagles rattled off six straight points, with four coming on Beavers errors, to tie the set at 21-21. Freshman Julia Fay stepped up to notch back-to-back kills and Li smacked another to give Caltech to match point, but WCBC staged one final rally effort with consecutive points via blocks to pull within one at 24-23. Unfazed, Walker set Li for the deciding kill, clinching the Beavers' third victory of the season.

Li paced the beavers in both kills (13) and digs (12), while Lauinger recorded 10 of each with three emergency assists and a team-high .381 hitting percentage (among those with more than five attacks). Sophomore Sakthi Vetrivel notched eight kills, six digs and two assists while Fay, Walker, Osekowsky and sophomore Claudia Canamas rounded out the offense with an absurd .636 collective hitting percentage.

Head Coach Tom Gardner's squad showed tremendous improvement even after last year's major step forward as a program. The 2016 team registered 93 more kills on 111 more assists and dug 175 more balls than the 2015 squad, culminating in nearly a three-point improvement per match. The 513 kills, 479 assists and 945 digs all rank second in single-season program history.

Individually, Lauinger recorded the third-most kills (181) and second-most digs (269) in single-season history, while Li was not far behind in sixth (161) and fourth (225), respectively. Vetrivel fell just short of the 100-kill mark, which would likely have been the first such occurrence in program history. Walker placed second on the single-season assists list with 395 and topped the 100-dig plateau, along with Melendez.

Feist caps career with 11 saves, ends with 559

GOCALTECH.COM
Actual Sports Content Editor

PASADENA, Calif. (Oct. 29,2016) – Senior J.D. Feist finished his historic Caltech men's soccer career with 11 saves as the Beavers fell to Cal Lutheran, 6-0, on Saturday afternoon.

The 11 saves from this game helped Feist reach a program single-season record of 179 this season. He finishes the year ranked first in saves in the SCIAC for the fourth time in his career and second in Division III. His 559 career saves in 69 games played will go into the NCAA record book as 15th in Division III history and 20th across all three divisions.

Despite the score, the Beavers played aggressive defense that proved effective over the majority of the game. The Beavers' back line continuously trapped and harrassed the Kingsmen office, with all three first-half goals coming via minor errors and fatigue. The lead did not faze the Beavers as they came out in the second half fired up and zoned in even more on defense. Seniors Dave Luo, Kevin Gao, Schaeffer Reed, and Fabian Boemer dialed in over their final half as teammates, keeping Cal Lutheran scoreless through the first 36 minutes of the period before exiting to a standing ovation with nine minute remaining. The Kingmen would punch in three more goals over that span to secure the final margin.

Head Coach Phil Murray and the Beavers sent out a talented group of seniors in the final game of their Caltech careers as the rest of the team bade farewell to Boemer, Feist, Gao, Luo, Reed and Federico Presutti.

The end of a feisty era.

Photo Courtesy of Michael Wong

Bradley, Ross net five goals apiece vs. ULV

GOCALTECH.COM
Actual Sports Content Editor

PASADENA, Calif. (Nov. 2, 2016) – Senior Chris Bradley and sophomore Charles Ross kept Caltech men's water polo in the entire game with five goals apiece in an 18-11 loss to the Division III No. 8 University of La Verne Leopards.

Despite starting the match down 4-0, the Beavers fought back and after as Ross netted two goals in the final few minutes of the period, at which point Caltech trailed 5-2.

Bradley came alive in the second period, scoring four goals as the Beavers outplayed ULV over a six-minute span. Caltech's stingy defense held the Leopards to only one goal in the opening three minutes, but still limited La Verne to just four over the entire quarter to maintain the three-goal deficit at halftime, 9-6.

Ross opened the second half with a goal to bring the Beavers within two, but that was as close as they would get. The Leopards went on to score the next four goals to take a 13-8 lead after the third quarter and put the game out of reach in the fourth, although freshman Bradley Justice scored a nice consolation goal on a breakaway for Caltech.

Put your hands up and SHOUT! Ayeeeee (ayeeee).

Photo Courtesy of Michael Wong

ASCIT Minutes

Meetings are every week in SAC 13

ASCIT Board of Directors Meeting
Minutes for 30 October 2016. Taken by Alice Zhai.
Officers Present: Andrew Montequin, Tim Liu, Bobby Sanchez, Sakthi Vetrivel, Kalyn Chang, Robin Brown, Alice Zhai
Call to Order: 3:55pm

President's Report (Andrew):
- IHC Chair, ASCIT president, and ASCIT social director will meet with Deans about end of rotation party

Officer's Reports:
V.P. of Academic Affairs (ARC Chair: Tim):
- Will meet with deans about overloading this week
- Will meet with Core Curriculum Steering Committee about pass/fail policies

V.P. of Non-Academic Affairs (IHC Chair: Bobby):
- IHC will meet with the diversity center on Tuesday about integrating CCD with the houses

Director of Operations (Sakthi):
- Sorting out issues for yearbook funding

Treasurer (Kalyn):
- Club Funding Day happened on Sunday, October 30th

Social Director (Robin):
- Movie night for *Fantastic Beasts and Where to Find Them* on November 18th
- Big I is happening on February 11th

Secretary (Alice):
- Nothing to report

If anyone has any questions or concerns about a section of the minutes please email the appropriate officer. We are happy to answer any questions.
Meeting Adjourned: 4:30pm

The California Tech

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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 p.m. 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."

VICE PROVOST'S OFFICE HOURS

Vice Provost, Chief Diversity Officer, and Professor of English, Cindy Weinstein, offers weekly office hours. This is an opportunity for undergraduate, graduate students, and postdocs to meet and discuss topics pertaining to the Council on Undergraduate Education; Caltech accreditation; the Staff and Faculty Consultation Center; Student-Faculty Programs; the Center for Teaching, Learning and Outreach; the Caltech Diversity Center; and the Libraries. There are four 15-minute appointments available per hour. Please sign up in Parsons-Gates room 104, or call the Vice Provost's Office at ext. 6339.

Fall term hours: 12:00-1:00 p.m.
Tuesday, Nov. 22
Wednesday, Nov. 30
Thursday, Dec. 8
Tuesday, Dec. 13

Join the Meditation Mob!

Tuesdays, 12:00 - 12:50

Want to learn more about mindfulness meditation? It's a great way to improve your attention and to become more grounded in the present moment.

There's no religious component. We use secular, evidence-based meditation techniques.

We meet in the small room just off the lounge in Winnett. All students are welcome, from total beginners to more experienced meditators.

Mailing list and MP3 archive:
counseling.caltech.edu/students/meditation

Bands, *a Richard Serra sculpture currently on display at LACMA.*
Photo Courtesy of Andrew Montequin, copyright Richard Serra/Artists Rights Society

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

Here's your chance to nominate your favorite professor for the 2016-17 Richard P. Feynman Prize for Excellence in Teaching! You have from now until December 15, 2016 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 December 15, 2016.

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.

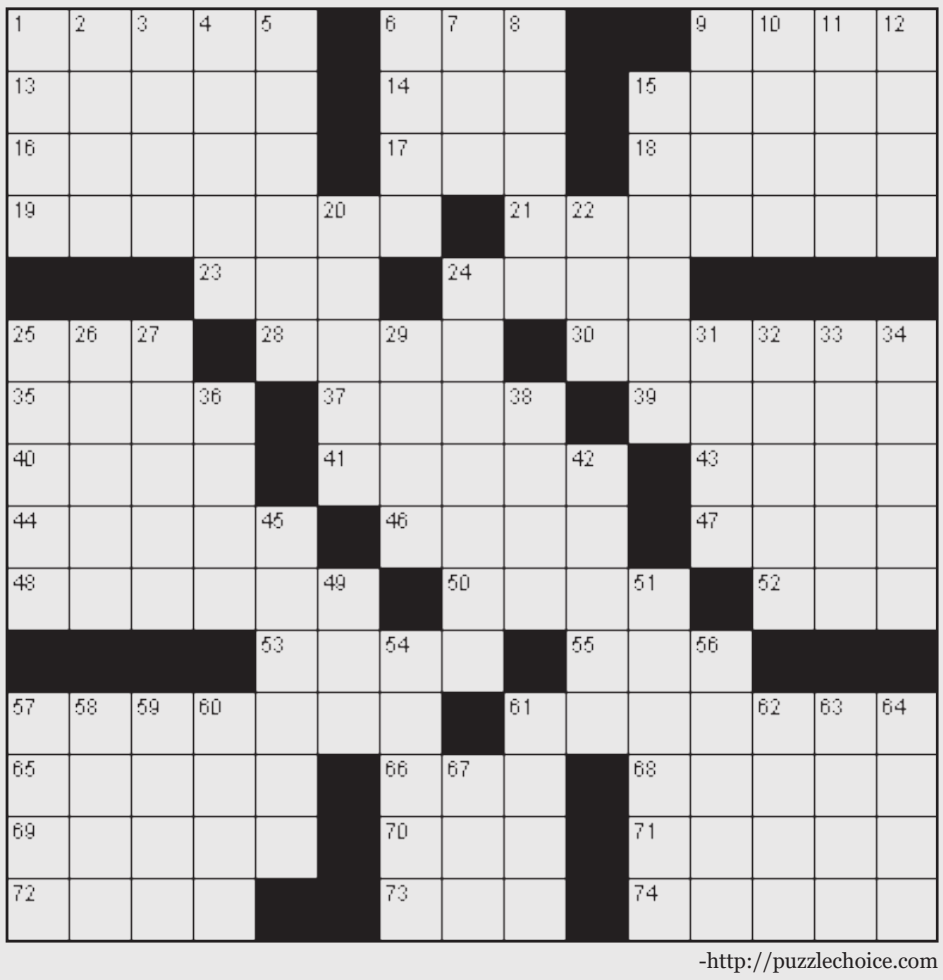
Crossword

Across

1. Banquet
6. Man or boy
9. Theatrical equipment
13. Planet
14. Frozen water
15. Throw with great effort
16. Performer
17. Type of fish
18. Avid
19. Gland near the base of the neck
21. Deluge
23. Edible tuber
24. Rural deity (Roman Mythology)
25. Buddy
28. Starchy tuberous root
30. Serving of drink drawn from a keg
35. Turns litmus paper red
37. Percussion instrument
39. Pertaining to hearing or the ear
40. Relatively many
41. Long past
43. Nobleman
44. Attempted
46. Bowling alley
47. A score of zero in tennis
48. Main course
50. Requirement
52. A great distance
53. Hit
55. Flop
57. Taxonomic group
61. Ancient Egyptian tomb
65. Overhang
66. Golfing term
68. Dodge
69. Broker
70. Self
71. Move sideways
72. Let for money
73. At present
74. Sharply sloping

Down

1. A notable achievement
2. Every one considered individually
3. Showily imitative
4. Tale
5. Pharynx
6. Prevaricated
7. Playing card
8. Greek letter
9. Juicy fruit
10. Fury
11. Kitchen appliance
12. Sauce
15. Rupture
20. Adult insect
22. Not at home
24. Candy
25. Adhesive material
26. Fruit of the oak
27. Boundary
29. A list of names
31. Draw
32. Factual evidence
33. Immature form prior to metamorphosis
34. Senior
36. Cervid
38. Segment of DNA
42. Impoverished
45. Abstain
49. Female sheep
51. Compulsory force
54. Poplar tree
56. Crane
57. Scorch
58. Part of a book
59. Fifty-fifty
60. Fractional monetary unit
61. Front part of a vessel or aircraft
62. Constructed
63. Not in active use
64. Abstruse
67. In the past



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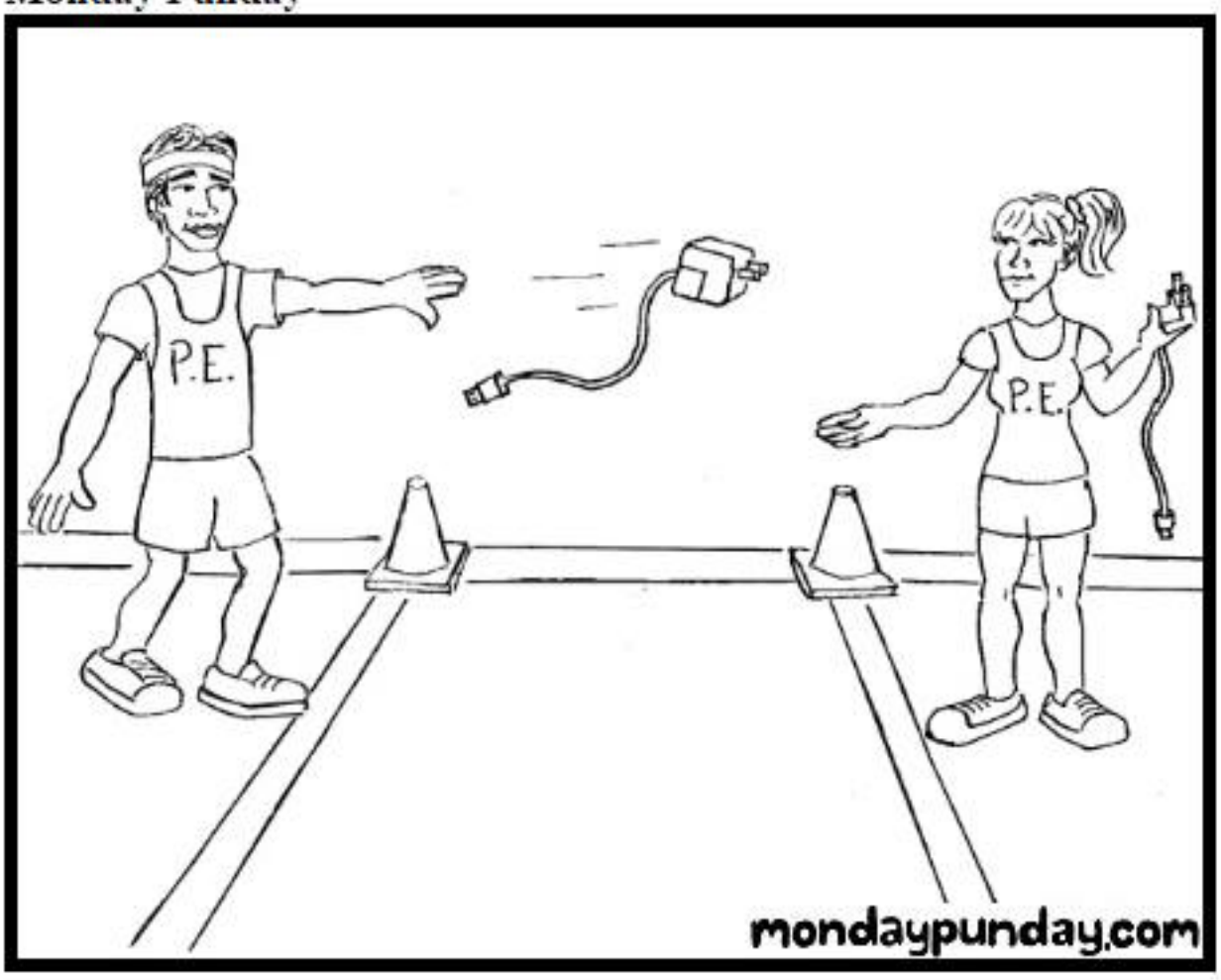
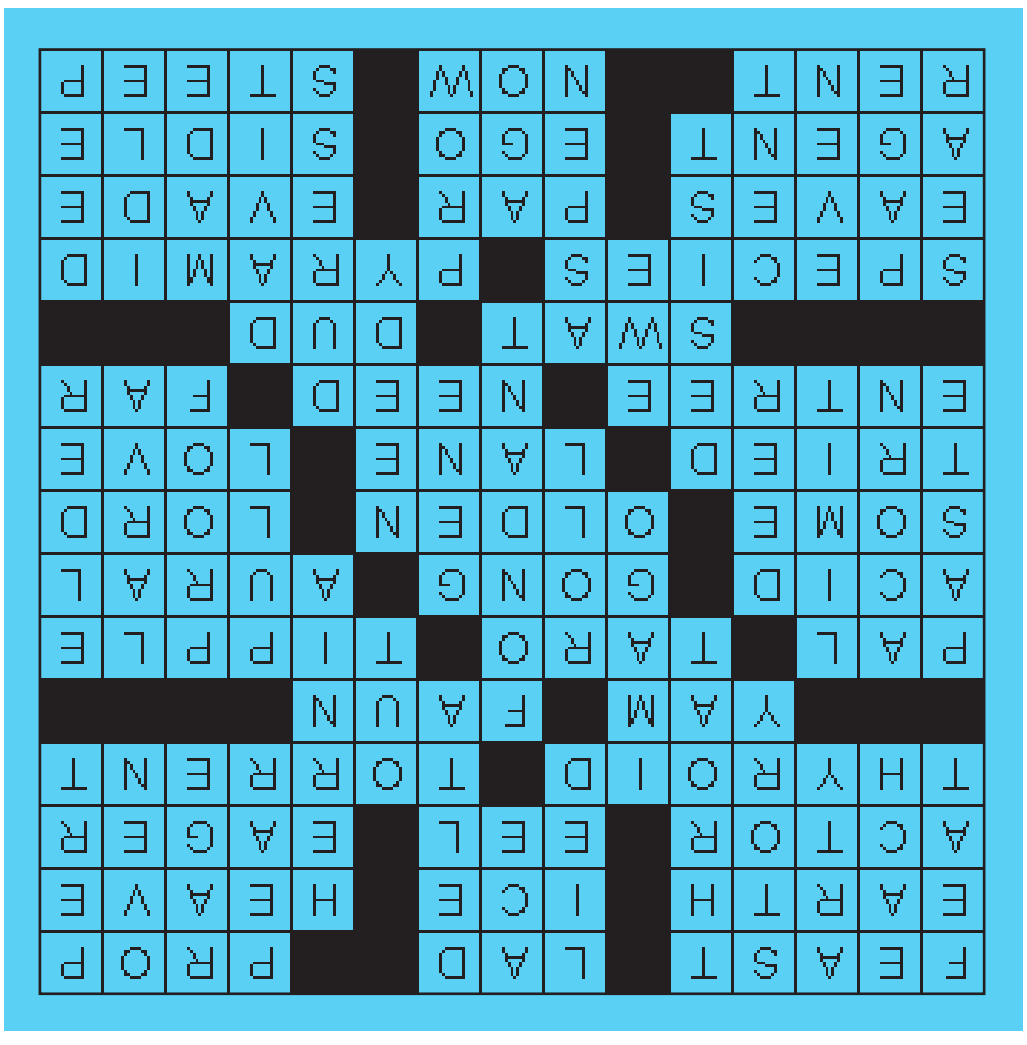


This picture represents a common phrase, title, or person.

Think you know the answer? Take a guess at mondaypunday.com/305

Answers to current crossword (pg 7)



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