Mud From Landslides Moved to Goleta Beach, Tested for Safety

Stephanie Rubio
News Editor

Goleta Beach is being used as a sediment deposit ground for the Montecito mudslide cleanup effort, but contaminated sewage in coastal water quality and ocean life. The sediment is made up of mostly sand and small rock mixed with debris, said Santa Barbara County Parks Department representative Daniel Gira. The debris comes from roadways, Montecito creeks and other affected areas in the Montecito mountains. A county permit calls for the disposal of some 300,000 cubic yards, which is the equivalent of 30,000 dump truck loads.

“The we're confident that the vast majority of the material is just sand and sediment from the mountains and creeks,” said Santa Barbara Channelkeeper (SBCK) Watershed and Coastal Director Travis Hester.

Some professors living in voluntary evacuation zones also had to leave their homes just before finals week. Many made their exams optional or delayed student Maryam Rasekh said she was not knowing how I would get there and make it to the first day of class, Msie said in an email. “The first day they wanted us to expect a rocky ride, but it was a fairly gentle roll. Overall, I was fortunate that we had good weather and the ride was fairly quick (an hour and a half each way).”

Morris stayed in Santa Barbara for the first week of the quarter due to closed roads and classes that end too late for her to take a train back. According to Mary Ferris, executive director of Student Health Service, staff at Student Health also faced exceptional difficulties ensuring coverage with blocked roads and the recent flu outbreaks. Understaffing, combined with increased demand stressed the staff thin, resulting in longer hours.

She said that because of the staff's commitment to health, they went to extreme lengths to reach campus, with some staff staying overnight in Santa Barbara for the week. One pharmacist said she was unable to enter the U.S. to attend UCSB, she produced.

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UCSB Students Still Strained by Travel Ban One Year Later

Evelyn Spence
Asst. News Editor

President Donald Trump's initial travel ban will reach its one year anniversary on Jan. 27 after a year of emotional uncertainty for many international students at UC Santa Barbara.

The travel ban was first issued on Jan. 27, 2017 and banned citizens from Iraq, Syria, Iran, Libya, Somalia, Sudan and Yemen from entering the United States for 90 days, as well as indefinitely refrain entering refugees from Syria.

The ban is also commonly known as the “Muslim ban” because the majority of citizens from six of the banned countries are Muslim.

This ban has had lasting consequences for UCSB students.

Electrical engineering graduate student Maryam Rasekh said many students who plan to apply for jobs or their Ph.D. are unable to apply to positions outside the U.S. because the process includes interviews at the institution. If students travel to their interviews, they may not be able to return to the U.S.

“We miss out on so many opportunities,” she said in an email.

The ban increased the year anniversary on Jan. 27 after a year of emotional uncertainty for many international students at UC Santa Barbara. Asst. News Editor Evelyn Spence

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Born in East Harlem to Armenian parents who fled the genocide, Souren Baroian grew up surrounded by traditional Armenian, Middle Eastern, and Balkan music at home and simultaneously got swept up in the golden age of jazz in New York City. Sneaking into 52nd St. clubs to see Lester Young, Billie Holiday, Charlie Parker and company Baroian melded a musical language of many different but compatible musical traditions. A peace-seeking virtuoso instrumentalist and bandleader, Souren has offered the world Middle Eastern Jazz since 1975. This concert will feature a five-piece band, and include instruments that span the globe: duduk, kaval, riq, oud, dombek, clarinet, soprano sax, upright bass, and drums.

**FRIDAY, JANUARY 26**

**ARMENIAN AND MIDDLE EASTERN JAZZ ENSEMBLE**

MCC THEATER | 7:30PM

**SUNDAY, JANUARY 28**

**BEYOND THE LIMITS OF DANCE**

**GRANADA THEATRE | 7PM**

Pilobolus is a rebellious dance company that has created and toured more than 120 pieces of repertory to more than 65 countries. They currently perform works for more than 300,000 people across the U.S. and around the world each year. Pilobolus has recently been featured on The Late Show with Stephen Colbert, NBC’s TODAY Show, MTV’s Video Music Awards, The Honda Civic Show, ABC’s The Chew and the CW Network’s Penn & Teller’s: Fool Us. Pilobolus has been recognized with many prestigious honors, including a TDF Fellowship, a 2012 Grammy Award nomination, a Primetime Emmy Award for Outstanding Achievement in Arts Culture and Programming and several Cannes Lion Awards at the International Festival of Creativity. In 2015, Pilobolus was named one of Dance Heritage Coalition’s “preparable Dance Treasures. Pilobolus has collaborated with more than 25 brands and organizations in finance, retail, media, fashion, sports and more to create bespoke performances for television, film and live events.

**MONDAY, JANUARY 29**

**POLITICS, MEDIA AND THE LAW IN THE POST-OBAMA AGE**

7:30PM | CAMPBELL HALL

Jeffrey Toobin has provided analysis on some of the most provocative and important events of our time, including the trials of O.J. Simpson and Patti Hearst. Toobin has also examined the inner workings of the Supreme Court and its fraught relationship with the American Presidency. An unbiased, accessible expert on all matters of political and legal history, Toobin provides invaluable context to today’s events within our political and media landscapes.

**FRIDAY, JANUARY 26**

**IMPROVABILITY:**

**WAR STARS: IMPROVE STRIKES BACK**

8PM | EMBARCADERO HALL FRIDAY & SUNDAY

**SOLUTION TO THURSDAY’S PUZZLE**

**WEATHER**

The Weatherhuman caved and used a dildo machine™ to grind his food. He seems to wash the FUCKING dishes.

**CLASSIFIEDS**

Miscellaneous

Short-Term Business Loan
Prominent Santa Barbaran, UCSB graduate, seeks short-term business loan of $5,000 to $15,000 at 25% return. Dec 1, 2017 to Feb 28, 2018. Secured by real property. Call (805) 682-9815
IVYP Welcomes New Director After Three Month Search Process

Jasmine Moreno

After a rigorous three-month process of vetting over 20 candidates, the Isla Vista Youth Projects (IVYP) has selected Lori Lander Goodman as the organization’s new executive director.

"I am so excited to be selected as the new ED for IVYP," Goodman said in an email. "I strongly believe that investing in children, providing them with all they need to learn to be emotionally secure and to be confident in the best institution we can make as a society." Goodman’s assignment will begin Jan. 28, following the retirement of Executive Director LuAnn Miller after 30 years of work. The organization was founded in 1971 by community members after riots protesting that resulted in the burning of the Bank of America in Isla Vista.

Goodman said that she wants to expand on Miller’s legacy. She described Miller as an “authentic, caring and competent leader” who grew the IVYP “from a small child care center to the diverse and impactful organization it is today.”

Goodman’s optimism reflects her passion for the program. She said that her main goal currently is to learn everything about the IVYP from her duties to the people, programs and partners that surround the agency.

She explained that one of the major challenges she expects to face during her first few months is funding, as many nonprofits are facing cuts.

"Most of IVYP’s budget comes through the California State Department of Education," she said. "I have a lot to learn about how that funding works, but my experience with governmental funding is that it rarely pays enough to provide the salary and benefits that teachers deserve."

She also described IVYP’s relationship to UCSB as “unique,” especially as an increase in UCSB admission rates will affect housing in IVYP.

"As UCSB moves forward in its plan to enroll more students, that will likely impact housing and services in Isla Vista. Anticipating those changes and ensuring that children and families are not forgotten will be part of my agenda," she said.

In the future, she wants to focus on spreading awareness about IVYP and its comprehensive role to the local and broader community.

"More people should know what we’re doing. We serve children and families in IV and Goleta, but our leadership can and should be recognized far and wide," Goodman said.

More people should know what we’re doing. We serve children and families in IV.

LORI LANDER GOODMAN

Goodman said that she wants to expand on Miller’s legacy. She previously worked at Child Abuse Listening & Mediation (C.A.L.M.), where she served as chief development officer and as a member of the senior management team.

Goodman is no stranger to community service. She previously worked as a camp counselor, a counselor at a child care center and a volunteer at UCSB. Goodman also previously worked as a camp counselor, a counselor at a child care center and a volunteer at UCSB.

"I hope I will be remembered as someone who led with heart and head," she said. "Someone who believed that all the children and families deserve equal access to education, safety, health and respect — someone who truly enjoyed the energy vibrancy and goodness in Isla Vista that is often missed up those outside the community.

"I hope that Goodman will fall in love with IVYP," said Miller. "At IVYP we are working to address the root causes of so many societal problems. When we have strong, whole children and families, our community thrives. What could be more important than that?" Goodman said.

Goodman is also no stranger to community service. She previously worked at Child Abuse Listening & Mediation (C.A.L.M.), where she served as chief development officer and as a member of the senior management team.

She has also previously worked as a camp counselor, a program director, day care monitor, teacher and youth group advisor.

Goodman has a deep connection with the IV community through her tight-knit family. Her son attends UCSB and her husband, Rabbi Evan Goodman, serves the campus through Santa Barbara Hillel. With the new gig, Goodman said, she can now meet with her groups for lunch at Freebirds.

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Follow the Daily Nexus on social media to keep up with our breaking news, arts, culture, sports giveaways and more.

CUP OF CULTURE: DAZE OF JUSTICE

Cup of Culture is hosting a screening of “Daze of Justice” at the UCSB MultiCultural Center on Wednesday, Jan. 31, from 6 p.m. to 7 p.m. “Daze of Justice” is the story of Cambodian-Americans who embark on a journey back to Cambodia Killing fields as witnesses who are determined to recreate their memories of their loved ones to the United Nations Special Tribunal prosecuting the Khmer Rouge. The film is 1 hour and 9 minutes long.

ZERO WASTE GROCERY SHOPPING

Come to the Isla Vista Co-Op on Wednesday, Jan. 31, from 4 p.m. to 5:30 p.m. to learn about zero-waste shopping habits! There will be information on how to reduce your shopping footprint while making the most of your budget. There will also be an opportunity to taste zero-mate recipes. Reusable shopping bags will be handed out, and there will be a raffle to win a yoga and value reusable containers.

LAZY EYE POP-UP

The Lazy Eye Shop and the Isla Vista Food Co-op will be hosting a vintage and recycled clothing pop-up on the co-op’s patio on Jan. 27, from 12 p.m. to 4 p.m. The Lazy Eye Shop is a California-based resale clothing shop and has previously held sales at the co-op. The co-op is an BYO bottle, community-owned grocery store that has been in business for 46 years and was initially created by UCSB students. It is located at 6525 Sevile Rd.

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QUICK SHUCK

The Mallards will be playing a free show presented by A.S. Program Board at Storke Tower on Tuesday, Jan. 30, from 12 p.m. to 1 p.m. There will also be free Yuru Mats. The Mallards were formed in 194 and are an alternative band with a punk, metal and indie fusion sound. They have performed at various places in Isla Vista including at parties, festivals and even inside the Daily Nexus office.

NAMASTAY A WHILE

The Isla Vista Food Co-op and Yoga I va Villa will be holding a $5 beach brunch yoga on Jan. 28 from 10 a.m. to 12 p.m. Participants should meet at the co-op patio at 9:45 a.m. before walking over to the bluff at 10 a.m. Drop-ins are not welcome, and those who wish to sign up can reserves one of the available 35 spots with a casher at the co-op or call the store at (805) 968-1401 by Jan. 27. For those worried about signing up but not being able to make it, have no fear; if you cancel on Saturday you will get refunded in the form of a gift card. Following the hour-long yoga session, the group will head back to the co-op for brunch.

A FREE public talk by Melanie Wahlgberg, CS

Recognize God as the source of all good ideas

Jesus’ teachings – the best example of how to heal by listening to these ideas

Examples of how this healing approach has transformed lives

2:00 p.m. Sunday, January 28, 2018

Goleta Public Library

500 N Fairview Ave, Goleta, CA

SAKE BOMBING!

$99

Small pitcher of Sake with 10 or more people Offer only valid for first pitcher.

Small pitcher of Sake with 20 or more people Offer only valid for first pitcher. Mon – Thurs with L.D.
Isla Vista CSD Calls Special Election for New Utility Tax

Shomik Mukherjee
News Editor

The Isla Vista Community Services District (CSD) Board of Directors voted Tuesday to call a special election in June for a new user utility tax that would provide the CSD with its main source of revenue.

"If it fails, we'd be upset. But I think we've clearly shown how we can do a lot with nothing and we'd continue doing our mission of serving the people of Isla Vista."

---

Jonathan Abboud

If passed, I.V. residents would pay an additional amount on their gas, water, electricity, sewer and trash disposal services. Revenue collected from the tax would provide the CSD about $42,000 a year. This would be the second time that a version of the Utility User Tax shows up on a ballot, after a similar ballot measure failed in Nov. 2016, leaving the CSD with no permanent funding. But the CSD Board is confident that with better understanding of what the tax pays for, voters will finally pass the measure in June.

"There was not a good enough link in people's minds that the district and the money need to go together in order for government to succeed in the way it does across the country," Director Spencer Brandt said.

The language of the latest ballot measure says the tax will go toward improving "parking, public safety, lighting and sidewalks" in the community, along with providing landlord-tenant mediation services.

"If it fails, we'd be upset," said Abboud. "But I think we've clearly shown that we can do a lot with nothing and we'd continue doing our mission of serving the people of Isla Vista."
MARCH 24TH

I understand that there are many complexities that come with the flexibility, said Miele. “So, while I know that staff members did not necessarily cancel classes when I thought it was unsafe, but I know the speed at which UCSB made decisions.

The university has been terrific, but it is overwhelming,” said Morris. “We’re all doing our best," Morris said. “It’s emotionally devastating.”

Assistant professor Leah Stokes was pushed into action after a frustration tweet about climate change garnered positive responses.

Her op-ed in The New York Times, titled “Climate Change in My Backyard,” addresses the impact of climate change on recent climate disruptions, and acts as a “Call to Action,” urging people to focus more on environmental policy. “You just need one degree of separation to meet someone affected by this,” Stokes said. “My op-ed is about changing people’s minds, about how we talk about these events.”

She hopes that people will speak out and influence others to understand that blaming Montecito residents for not evacuating is simple. Instead, she said, people need to understand the greater causes behind the devastation.

Others focused on philanthropy and helping their community. Morris personally raised over $3,000 for two people who she knew were in need. “I just continually have this feeling that I get off easy,” said Morris, grateful that she still has her home, despite the lingering smell of smoke. “I just really want to make this clear that compared to what the people in Montecito are going through, I went through nothing.”

Sonnino echoed similar sentiments, saying that compared to tragedies around the world, losing utilities at his house or a nearby bridge has been challenging for those who were blocked from campus and driving through the fire have left her with a sense of uncertainty taking its toll. “I just continually have this feeling that I get off easy,” said Morris, grateful that she still has her home, despite the lingering smell of smoke. “I just really want to make this clear that compared to what the people in Montecito are going through, I went through nothing.”

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MIZRAHI'S LOSS

Mizrahi lost a close personal friend who was swept away by the mudslide.

“Loosing a contemporary is a devastating kind of loss — after all, it is so easy could have been me,” she said in an email. “It’s emotionally devastating.”

For Miele, her experiences being blocked from campus and driving through the fire have left her with a sense of uncertainty taking its toll. “I just continually have this feeling that I get off easy,” said Morris, grateful that she still has her home, despite the lingering smell of smoke. “I just really want to make this clear that compared to what the people in Montecito are going through, I went through nothing.”

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Marine Program Director Ben Pitterle. “In Montecito, certainly there was structural debris and some hazardous waste that was mixed into that.”

The mud disposed of at Goleta Beach is currently being analyzed in a local laboratory for heavy metals, which are organic compounds that are byproducts of wildfires and aquatic toxicity that can harm ecology. Results of those tests will not be available until later this week.

“In terms of the impacts, obviously if it wasn’t for retention basins, bridges, creeks, etc., much of the sediment would’ve found its way to the beach in Montecito, under natural circumstances,” Gira said. “Santa Barbara County Flood Control conducted an initial screening of the debris and the contaminated soil is being bypassed by the central landfill.”

Gira said local beaches were heavily eroded by the 2015-2016 El Niño season, so the sediment can be seen as “real treasure!” because white sand beaches are naturally formed from catastrophic flows, floods and fires, along with the sediments they produce.

This is a chance for a counterpart to the mud effects, Gira said, since the sediment offsets the ongoing erosion.

“The country is doing its best to get as much of the sediment as possible into a littoral cell,” he continued. “And when put on Goleta Beach, it’ll work its way down the coast, feeding all the beaches from Santa Barbara to Ventura.”

Littoral cells are natural compartments on a coastline that complete cycles of sedimentation. These cycles sort through finer material like ash, which is carried away and deposited at the bottom of the ocean, while sand is retained on the beach.

“So, it’s a tradeoff,” Gira said. “So far, we don’t know about any obvious water quality impacts. Every measure in an emergency has been taken to prevent them. My understanding is that S.B. County Flood Control is also going to implement sediment quality monitoring of some type.”

The SBCK has done daily tests for fecal indicators of waters in disposal sites as well as local beaches like Campus Point at UCSB and Rincon Beach in Carpinteria. Santa Barbara County has conducted its own testing as well.

Pitterle said that of last week, the county was no longer testing for contaminants. The testing was limited to visual monitoring for larger debris like wood or structural material, which is then deposited at different locations, including Ventura County.

Wildfires can affect the soil and water chemistry by decreasing nutrient concentrations, such as nitrogen.

“So you can end up with algae blooms in subsequent years and we may see some of that,” said Pitterle, referring to how the recent Thomas Fire triggered the mudslides by altering the landscape.

“A lot of it’s getting transported — I’ve heard as far west as Buellton. It’s in new areas that weren’t even seen before,” Pitterle added. “And when put on Goleta Beach, it’ll work its way down the coast, feeding all the beaches from Santa Barbara to Ventura.”

“Mudslides” 2017 Edition: One year after the mudslides that claimed 24 lives, the SBCK is ensuring containment of mud runoff. That way, during the next storm, new creeks and roads will be protected and the sediment would’ve found its way to the beach in Montecito, under natural circumstances,” Gira said.

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Pitterle said the bacteria results are improving near Campus Point and the water quality has met standards in the last couple of days.

“We’re looking now for official addresses to address the muds being deposited on shore in other watersheds along roads or on other properties,” said Pitterle. “We definitely want to make sure that agencies are implementing what they call ‘best-management practices.’”

The SBCK is ensuring containment of mud runoff. That way, during the next storm, new creeks and roadways will not be contaminated with that material.

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Continued from p.1

MUDSLIDE

MUDSLIDE

MUDSLIDE

Follow the Daily Nexus on Snapchat for breaking news, live music, giveaways and exclusive content!

[Scan our code on Snapchat to add us]
As Earth's population grows, so does the demand for agricultural commodities such as cotton, corn, rice, and others. This has put a strain on forests around the world.

While many corporations and countries have made efforts to only purchase and produce sustainable products, it remains unclear how successful these methods have been.

In a new study by UC Santa Barbara, economist Robert Heilmayr and colleagues were able to estimate the effect of sustainable certification, specifically for palm oil, on Indonesian plantations. They found that certification reduced deforestation among participating plantations. However, certification was mostly adopted in older plantations that contained little remaining forest. Broader adoption by palm oil growers is needed for certification to have a large impact on total forest area lost to palm oil expansion.

Substantial certification is the tool most used by corporations to fulfill procurement policies, and around 20 percent of global palm oil production was certified by the Roundtable on Sustainable Palm Oil (RSPO) in 2017. Certification has saved 21 square kilometers of Indonesian forests that would have been deforested, Heilmayr, an assistant professor in UCSB's environmental studies program and co-lead author, said. "To put that in perspective, that area is one-tenth the size of the home range of a Bornean elephant endangered primarily by loss of its habitat due to deforestation."

To evaluate whether certification fulfills such pledges, Heilmayr and colleagues applied statistical analyses to satellite-based estimates of tree cover loss to infer the causal impact of a third-party certification system on deforestation and fire within Indonesian oil palm plantations.

Heilmayr combined a new database of Indonesian oil palm plantations with satellite imagery of deforestation. The investigators then measured the amount of natural forest that was cleared in each of those plantations between 2000 and 2013. They estimated that RSPO certification reduced deforestation, but did not eliminate deforestation in certified Indonesian plantations by about 38 percent, as compared to their non-certified counterparts with similar characteristics.

Researchers also found that certification did not affect fire occurrences in these plantations or the amount of carbon-rich peat swamp forests cleared and drained for palm oil.

While certification did reduce the potential for deforestation, given that many government and societal organizations have put systems in place to prevent deforestation, the problem remains. Researchers estimate that about 20 percent of the remaining deforestation in Indonesia is still occurring in oil palm plantations.

This RSPO certification provides an indicator to guide return-towork palm oil purchases associated with lower recent loss of high tree cover and primary forests, as well as fire incidence.

"It is important to stress that the positive effect that we found here is not only a consequence of lower deforestation in certified forests, but also a consequence of higher forest cover in the area that was cleared from 2000 to 2005. The significant impact of certification on deforestation indicates that higher levels of certification could generate greater forest protection."

Certification May Help Conservation Efforts

**RSPO Certified**

**Noncertified RSPO Member**

**Noncertified Non-Member**

Above is a map of the palm oil plantations the research group kept track of. Plantation area totaled 187,567 km². About 53 percent of the total certified area was in Sumatra, including the Bangka Belitung Islands, on the left, and 47 percent was in Kalimantan, which is on the right.

The RSPO is under pressure to meet recent pledges by corporations and palm oil-importing countries to source only deforestation-free and peat-free palm oil. To enable compliance with procurement policies, the RSPO would need to develop a clear definition of "deforestation" that can be monitored using remote sensing.

The principles would need to be revised to require that certified supply chains not be developed from peatlands and areas defined as forest. However, such changes would likely increase the cost of certification, which threatens to exclude producers, especially small and medium-size growers, from the RSPO.

Certification to meet zero deforestation commitments to become certified as no deforestation, no peat and no fire. Such tiered standards may be preferable if the goal is to retain and gain RSPO members.

Our research indicates that palm oil producers currently have few positive incentives for forest protection, such as price premiums to forest conservation and other critical sustainability concerns in the oil palm sector; such as workers' safety and water pollution, may decrease.

Currently, the RSPO NEXT standard allows producers that wish to meet zero deforestation commitments to become certified as no deforestation, no peat and no fire. Such tiered standards may be preferable if the goal is to retain and gain RSPO members.

Scientists have estimated that $1 billion is needed for certification to have a large impact on total forest area lost to palm oil expansion. Positive incentives for forest protection, such as price premium locked to forest conservation, may increase forest area preserved through certification. With around 20 percent of all global palm oil now certified, the RSPO has great potential to influence tropical land use change. Whether or not Roundtable members embrace higher levels of scepticism and transparency around land use change, and how such changes might affect incentives for RSPO membership will determine palm oil certification's contribution to tropical forest conservation.

**Zayed Energy Prize Highlights Nakamura's Research**

Shoji Nakamura has been a professor of Materials and Electrical & Computer Engineering at the UC Santa Barbara since 2000. He holds more than 200 US patents and over 300 Japanese patents. He is currently the Research Director of the Solid State Lighting & Energy Electronics.

Nakamura received his award at a ceremony held in Abu Dhabi in the United Arab Emirates, as part of Abu Dhabi Sustainability Week. While in its 15th year, the Zayed Future Energy Prize is the United Arab Emirates' (UAE) global awards program for renewable energy and sustainability pioneers. The prize came to fruition as a result of the vision of Sheikh Zayed bin Sultan Al Nahyan, the late ruler of Abu Dhabi and founding father of the United Arab Emirates.

At the 2009 World Future Energy Summit, the Highness General Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the Armed Forces of the UAE, announced the Zayed Future Energy Prize, to honor his father's legacy of environmental stewardship. The prize annually recognizes innovation and leadership in sustainability achieved by large corporations, small and medium enterprises, nonprofit organizations, dedicated individuals and high schools from five different world regions.

Previous winners include former U.S. Vice President Al Gore, Toyota Motor Corp. and Broen Design & Construction Academy.

> our planet, and I am honored that my work in this field is again being highlighted," Nakamura said.

A winner of the 2014 Nobel Prize in Physics, Nakamura is one of three individuals credited for creating the highly sought blue-light L.E.D. that advance paved the way for the white L.E.D. technology that is now at the heart of many energy-efficient applications, including interior and exterior lighting, displays and automobile headlamps. The use of L.E.D. lights has revolutionized energy savings, making it possible to reduce fuel use and carbon footprints. These durable lights have also enabled the provision of lighting under inhospitable conditions and in places where traditional energy infrastructure is not available.

Nakamura's research fits perfectly with the idea that motivated the creation of the prize. The world is in desperate need of innovative solutions to create a new, sustainable energy future. No one knows from where or whom the next great energy solution will come from. Solutions and technologies that could change the world are being developed globally, and the $4 million Zayed Future Energy Prize, managed by Masdar in Abu Dhabi, is ready to recognize and reward innovators like Nakamura.

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Nakamura, a professor of Materials and Electrical & Computer Engineering at UC Santa Barbara, has received the Zayed Future Energy Prize’s Lifetime Achievement Award for pioneering the development of blue LED light, an innovation that has reduced electricity consumption in the U.S. by an estimated 348 terawatt hours (TWh) by 2027, saving more than $30 billion.

The 2018 Zayed Future Energy Award recognizes the global impact of solid-state lighting technology on both the climate and the citizens of

For more information:

Learn more at Zayed Energy Prize

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The Gauchos' 90 points.

Staff Writer Richard Benites

The No. 15 UCSB men's volleyball team is now 2-0 in conference play and continues to flash signs of being a force to be reckoned with. The Gauchos have won their last two matches straight. Alongside Moreno de Alboran, the two are currently averaging 29.5 and 27.5 kills on the attack. Corey Chavers had a game-leading 24 kills on the night.

UCSB will head out on the road to take on Loyola University Chicago this Thursday, Jan. 25th at 7 p.m. at Gentz Arena.

Men's Volleyball Remains on the Road for Match Against Loyola (Ill.)

Do not hallucinate.

The Labyrinth

Be sure to follow the latest addition to the Daily Nexus family. Follow on twitter @NexusLabyrinth

SPORTS

UCB Faces Big West Best UC Davis, Hopes to Split Season Series

Despite having their season pushed back due to changes in UCSB's schedule, the Gauchos are ready to begin this season vs. SMU. 

UCSB’s women’s basketball team is currently in second place in the Big West at 3-1. Despite the team’s solid start, Santa Barbara will want to add a win against the Mustangs.

After pushing back the start of the season due to changes in UCSB’s schedule, the Gauchos are ready to begin this season against UC Davis. The Aggies have not forgotten that, and a regular season sweep of the Gauchos will be a good token of their dominance.

Loyola has had one key game in which side won each set as UCSB won 3-0, 3-1 and 3-0.

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It’s been more than three years since the last World Cup match was played, and we are now a little less than half a year away from the commencement of a new global journey. The 2018 FIFA World Cup, set to take place in Russia, has recently been all the talk around the world. After years of qualification matches and showcasing on their international stage, fans of the beautiful game are celebrating their nation's ticket to the biggest theater in world football.

Fortunately, the wait until the summer of 2018 won’t be too uneventful thanks to the World Cup drawing scant that recently took place at the start of December. Now, with the groups set and tournament high, the country comparisons will start to occur on an analyst will weigh each nation's chances at advancing past the group stage. This leads me to my unbiased analysis of each group and what it means for us as fans of the beautiful game.

Group A: Russia, Uruguay, Egypt, Saudi Arabia

The Hosts Draw a Favorable Batch

For those not in the know concerning the World Cup’s group draw, each team, excluding the host nation, which is always granted the first seed, starts off placed in a competitive pot that is shared with other teams of similarly ranked FIFA men’s rankings. So, for informational purposes, every group is ordered by skill level as listed.

The host nation of Russia is part of the first four designated sides. Uruguay and Egypt are at the Top 30 teams in Russia’s way, while Saudi Arabia is ranked just behind them. Historically speaking, host nations tend to perform well at their World Cups, even if they are underrated on paper, as in Russia's case. Nevertheless, no one is expecting Uruguay and Russia going through unless Egypt has something to say about it.

Two Giants, Two Dreamers

Both Portugal and Spain have been considered a world power, and for good reason. However, if you’re asking FIFA, they’re even better. Coming in at No. 3 and No. 4 respectively, Portugal and Spain appear to be clear-cut favorites to stand at the top of their group’s standings. While a few digits in the loss occur within this group stage, the Top-35 side France and clearly following Morocco won’t be easy. Given Portugal’s history of winning Euro 2016 and Spain’s win over the World Cup, in this group, there will be two very large sides and two very strong teams. When the two giants of Europe are pitted against each other, it’s sure to be an entertaining match for all fans alike.

Group C: France, Peru, Denmark, Australia

A Battle for Positioning

At a quick glance, one may make the mistake to simply jump to the conclusion that France has this one in the bag. Think again. Ranked at No. 3 overall, France has barely held a lead in the standings when considering Peru is placed at 114th next to 123rd-place Australia. Peru is hungry for a good group stage finish after qualifying for the World Cup for 36 years, and Denmark is a force for quality talent amongst Europe's elite clubs. Sure, we’ll chalk it up in the Champions League, but it seems like France will have its work cut out when having to deal with a group that is capable of top-notch play.

Group D: Argentina, Croatia, Iceland, Nigeria

Messi No Group Stage Guarantees

Why would we word the headline as such? Well, this Argentina team has played fairly average whenever Messi is absent from the roster. In this lack of performance, the team is sometimes in a rut, and they are still vying for the top spot in the rankings. There is no question that Messi is a game-changer and very much the reason why the team is still ranked at No. 4 overall Argentina. We’ll still give them a fighting chance, but they are still worthy of the Top 16 rankings of both England and France.

Group E: Belgium, England, Tunisia, Panama

England Just Might Get the Job Done

There’s a growing sense that England fans are learning around the idea that the 2018 World Cup will be a breakthrough year. They claimed the top spot in the FIFA rankings. Therefore, don’t be surprised to see England advance. Tunisia and Panama are not on the Top 16 rankings list, but they are still good enough to give the English a tough challenge. The 2018 World Cup wouldn’t be complete without the World Cup's group stage victors: Nigeria.

Group F: Belgium, England, Tunisia, Panama

A Solid Test for Brazil

Despite coming in at No. 14, the Brazilian team is still considered one of the favorites to win the World Cup. However, England is usually considered above them in the rankings. The Brazilians will have its work cut out when having to deal with these two teams. However, despite their World Cup history and their banter, both teams are still a threat on the road so far, as the team is currently 4-5, but a solid victory against a top two team in the conference would go a long way in impressing the defending champions.

Group G: Belgium, England, Tunisia, Panama

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Group H: Poland, *Colombia, Sweden, South Korea

Poland's Road to Redemption

Regardless of the correct answer, this group will have its work cut out when having to deal with these two teams. However, despite their World Cup history and their banter, both teams are still a threat on the road so far, as the team is currently 4-5, but a solid victory against a top two team in the conference would go a long way in impressing the defending champions.

In conclusion, while the World Cup group stage draw has been made, no team can realistically be considered a sure bet to advance. Regardless of team, it’s time to return to a very balanced and wide-opened draw group analysis. This might very well be the most wide-open group out of all the competitions, and it might very well be the only group in which the first selection does not advance. Denmark is the favorite at 12th overall position, however, overall, Belgium will have its work cut out when having to deal with these two teams. However, despite their World Cup history and their banter, both teams are still a threat on the road so far, as the team is currently 4-5, but a solid victory against a top two team in the conference would go a long way in impressing the defending champions.

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Smino to Bring Soulful Sounds to the Hub

Fresh from touring with artists like SZA and T-Pain, R&B-rap-soul whiz Smino is making a stop in Santa Barbara

William Emmons
Asst. Artsweek Editor

St. Louis rapper Smino is slated to perform in the Hub at UCSB on Thursday, Jan. 25 at 8 p.m. The artist has spent the past year touring with artists like T-Pain and Top Dawg Entertainment's SZA in the wake of the release of his debut album, \textit{blkswn}.

Over the years, the Hub has been host to numerous live outings at UCSB. Acts such as Vince Staples, Khalid and SG Lewis have headlined the venue before. In conjunction with events like Delirium and Extravaganza, A.S. Program Board has utilized the venue to enrich UCSB's on-campus live music scene, and Thursday, they add a new name to their catalog.

Born Christopher Smith Jr., Smino exploded onto the American music scene in recent months with a plethora of singles like "Anita" and "blkswn." These tracks exhibited a unique fusion of R&B and hip hop and illustrated the charismatic nature of the artist's trademarked vocal inflections. Smino has garnered attention from a handful of his contemporaries, even securing collaborations with artists such as Noname and Bari. At age 14, Smino met Bari, a local Missouri rapper, after it was suggested that the two collaborate together. Bari is featured on the track "Flea Flicka" on Smino's debut LP.

Monte Booker is credited with the vast majority of production on \textit{blkswn}, displaying his funky, bright style for the world to see. Since then, Booker and Smino have continued to collaborate on subsequent endeavors. American DJ Sango, who, like Booker, belongs to the Soulection record label, is also credited with production on numerous Smino projects.

\textit{Blkswn} opens up with a smooth, sensual cut, "Wild Irish Roses," which sets a warm tone for following tracks. Smino's vocal performances and verses marry perfectly with Monte Booker's production over the record. The rapper's words rebound off the bouncing melodies of each track in a way that keeps the album's sonic momentum moving at a steady yet nonchalant pace. "Glass Flows" has a flowery vocal feature from Ravyn Lenae that sounds entirely akin to its title: glassy and flowy. Some of my favorite tracks are found later on \textit{blkswn}. "NetflixB& Dusse" and "Father Son, Holy Smoke" showcase some of Smino's best lyrical and tactical abilities.

Smino's true musical prowess is exhibited on tracks like "Kolors," which was featured on Soulection's White Label record. On the track, the rapper weaves in and out of a variety of tones and volumes as he depicts a scene of himself dancing with a girl who was just heartbroken by a significant other, leaving her nestled within a mosaic of different feelings.

Smino's character is elevating. The artist is keen on promoting his community as well as the black community around the world, often speaking publicly about his experiences as a black man. His politics are progressive; he dismantles common conservative notions of gender and race in his music and interviews. On Real Late with Peter Rosenberg, the artist commented on derogatory figures in music who spread messages that are oppressive to particular groups and how he and his contemporaries combat those sentiments. "There are just a bunch of kids that are non-judgemental, period... It's not even about the music. We're humans out here. Anything you're talking about, it's cool," he said.

It is of my opinion that Smino's character and music mutually enhance the quality of each other. The Hub will likely provide the artist with an intimate space in which he can share his thoughtful, eccentric personality and craft with fans.

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Trevor Noah Takes on Late Night Talk at Arlington

Stephany Rubio
News Editor

I recently watched the new Dave Chappelle special on Netflix, and his extreme political pro-vocative made me crave that type of content from Trevor Noah. I know you cannot compare the two comedians, or any two comedians for that matter, but Noah’s knowledge base and experience with the current political climate sets him up for some witty Trump banter and cultural controversy.

As a News Editor, I was ready for some comedic relief from the daily issues I cover. Noah’s “Daily Show” satirical and his stand-up routines overlap in some ways, but he makes them his own. Noah, like his mentor Dave Chappelle: “Stories from a South African Childhood” talked a lot about his mixed ethnicity and the racism the world faces today, so when I heard he was coming to Santa Barbara to do a night of stand-up comedy, I immediately submitted for my press pass tickets. I had to see the host of the “Daily Show” for myself.

Noah kicked off his comedy overdrive on Wednesday night on the stage of The Arlington, impressing the audience with his ability to emphasize the minimal instrumentation flowing from the drums and the saxophone. By gauging the facial expressions of the crowd, I saw that they were initially put off by two guys who weren’t singing over King Knee melodies. He said that we cannot romanticize villainy when it comes to the President. “Donald Trump may amplify problems, but he is not always the cause.”

He concluded, “In this time, it’s important to think about what Noah was unfair when it came to the mosh pit, find a sense of community and melt away to some groovy tracks.”

I was surprised by the audience’s reaction to Noah. They were all the girls who aren’t afraid to go in the mosh pit, you’re sick and I appreciate you,” he said.

Jasmine Rodriguez
Staff Writer

As their Facebook biography indicates, Espresso truly displayed their ability to “melt minds and cream joints” at their performance on Monday night put on by KCSB at The Hard to Find Showspace. The lineup for the mini festival that was held inside a Christian church included Espresso, The Crudes, Pookie, Easter Teeth and Arrington de Dionyso. Espresso and The Crudes turned the crowd into a sea of moshing Old Skool Vans.

Santa Barbara native band, Pookie, coasted through their performance by playing most of the intricate and careful instrumentals from their latest project, “Fifteen Seconds of No.” The performance of the sludgy track “Piglet,” where the electric guitar meandered and could have made its way on a “That 70’s Show” scene.

Most DIY bands that have carved a name for themselves in Los Angeles have utilized spaces such as The Smell and local backyard parties. Espresso has already released three projects and is currently touring their latest album, *Aven Bruce’s Big Deal*. The guitarists sniffed as the romantic ballad “Piglet’s Journey” coursed through the venue, leading couples in matching Dickies to dance around as if they were the stars of an indie coming-of-age film.

The crowd started to dance as if they were in a ‘90s disco party, despite the fast-paced drumming and bass melting off the walls of the venue that simultaneously acts as a church of community and melt away to some groovy tracks.

The raspy “Bojangles” created a groove that placed the band’s melodies on a pedestal. The Crudes showcased a performance of the sludgy track “Piglet,” where the electric guitar meandered and could have made its way on a “That 70’s Show” scene.

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Espresso ended their set with “Space Ship, Space Dick” off their 2016 album, *Fifteen Seconds of No*. The performance of the sludgy track “Piglet,” where the electric guitar meandered and could have made its way on a “That 70’s Show” scene.

Third-year economics major Melissa Saavedra said, “I don’t think Donald Trump made America racist. If anything, I think racism in America is what made Donald Trump.”

He said that we cannot romanticize villainy when it comes to the President. “Donald Trump may amplify problems, but he is not always the cause.”

Noah said he often hears people say, “Donald Trump made America racist; this country wasn’t like this before,” but Trevor feels differently. He said, “I don’t think Donald Trump made America racist. If anything, I think racism in America is what made Donald Trump.”

If I could best sum up Arrington de Dionyso’s intense performance, I’d title it like Squidward’s art piece, “the bold and the brash.” He was able to make sounds that aren’t conventionally beautiful into words way better than I could have, but then he followed up with saying he thought he had a great take on racism and that “coming from a white person,” she enjoyed every minute of it.

Some other students I talked to said they felt they saw more students at this event than any other Arts & Lectures show. Amira Mahian, a fourth-year computer science major, said he thought Noah was not unfair when it came to racism and was saying very reasonable things. Mahian felt like the audience had to bear some of those things and that “the truth just hurts sometimes.”

KCSB Showcases Local DIY Bands in Weekday Jam Session

Lolita Rodriguez
Artweek

For having released their album *Gorilla Guts* just last month, The Crudes looked like rock stars head banging along to the sounds reverberating from the bass. The band has musical qualities similar to those of popular indie acts Yellow Days and Cuco, which quickly caught the attention of the crowd. The slow pace of the guitar on song one anthem “Kabbe,” led a crescendo into words way better than I could have, but then he followed up with saying he thought he had a great take on racism and that “coming from a white person,” she enjoyed every minute of it.

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KCSB consistently puts on events that house alternative DIY bands for listeners who need to let out some angst in the mosh pit, find a sense of community and melt away to some groovy tracks.
ON THE MENU

Cuernavaca Cuisine

Tiffany Velazquez
Asst. On The Menu Editor

Settled on W Carrillo Street and De La Vina Street, across the street from Starbucks and Rusty’s Pizza Parlor, is one of Taqueria Cuernavaca’s three locations along the Southern California Coast. Offering great and authentic Mexican food at a reasonably low price, Taqueria Cuernavaca sets itself apart from some of the more run-of-the-mill options we typically come across in Goleta.

My friend had initially insisted upon trying the place out after a day spent shopping on State Street, having come across it on more than one occasion but never managing to actually try the place out. So with me in tow, we made our way inside. Actually trying the place out after a day spent shopping on State Street, having come across it on more than one occasion but never managing to actually try the place out. So with me in tow, we made our way inside.

The menu boasted the usual classics, along with platters such as enchiladas and pozole. At times resembling a torta, but often resembling a stuffed tortilla pocket, the restaurant’s assembled more of a sandwich. The gordita entailed a thick tortilla that had been cooked on a comal, cut and then filled with meat and assorted toppings. With chipotle-marinated shredded chicken, lettuce, sour cream and cotija cheese all nestled between two homemade tortillas, my mouth was watering before the plate of gorditas had even been set before me. The spiciness of the chicken was nicely offset by the other ingredients’ milder flavors, allowing for a kick of heat without wishing I had ordered a second drink. Juicy and overall nicely flavored, it was one of the best dishes I’ve had since coming to Santa Barbara. As someone who is forever homesick for L.A. taco trucks, that’s a big statement to make.

My friend took a different approach with the torta de asada, declaring it her go-to menu item at Mexican restaurants. Tortas typically entail a long, firm sandwich roll that is grilled or toasted and served with meat and a variety of garnishes inside. The torta consisted of refried beans, avocado, tomato, cheese and steak sandwiched inside two slices of telera bread. In the case of my friend, the torta also included a healthy helping of salsa verde, lemon and jalapeño. Judging by the smile on her face and the rather empty plate left behind, I would say the torta met her standards.

I’ve gone back twice since initially eating there, and I’ve yet to be able to pick something else off the menu; my stomach just can’t justify leaving a good thing behind. So for now, I’m in a happy committed relationship with Taqueria Cuernavaca and their extremely delicious gorditas. It’s a good thing that both the 24X and my friend’s car drop me off right by the restaurant so I can continue feeding my addiction. At least it’s not fast food.

Cast-Iron Skillet Care 101

Marisa Ratchford
On The Menu Editor

This past Christmas, I received a set of three cast-iron skillets and have since become obsessed. If properly cared for, a cast-iron skillet will last you generations and become the only thing you need in your kitchen. If I had to choose one tool to take with me on my deserted island, it would probably be my skillet. A natural non-stick that produces even heat and dynamic flavor, your skillet is likely to become your best friend in the kitchen. However, cast-iron – as tough as it is – needs to be treated right if one day your grandchild is going to be able to use it. Here are some tips on how to keep it in tip-top shape.

Seasoning your skillet? Most modern cast-iron skillets come pre-seasoned, yet this still usually isn’t enough. I noticed that the skillets weren’t quite seasoned well enough, and therefore the food still stuck. To re-season the pre-season, I recommend doing another layer. Take your skillet and coat it in a thin layer of vegetable shortening or oil all over. Wipe away the excess oil, and then bake at 400 degrees for an hour.

Keep it dry and clean! Your skillet should be cleaned very quickly after use. It should be cooled to just warm, and then you can use hot water, a scour brush and coarse salt to clean it. DON’T EVER USE SOAP. The soap will strip the precious layer of seasoning you’ve built and won’t allow the pan to keep its non-stick nature.

Don’t be afraid! Cast-irons seem intimidating at first because of all the rules, but the more you use it, the more you’ll be comfortable with it. The more often it gets used, the better it will work because the non-stick layer will become uniform and the aromatic flavors trapped in the seasoning and the iron will become more fragrant and appetizing.

Where should you keep it? Your skillet should be kept in a cool, dry place. Many people will attach a hook to the inside of a cupboard and hang their skillets for ease of access and proper storage. The most important commandments to remember for your cast-iron are season, clean, dry. It can be very easy if you remember these words. A cast-iron is so versatile; whether you’re just starting to develop your kitchen arsenal or you’re trying to expand your utensils, the cast-iron will be a great addition.
His glasses are prescription. It is also reported that each personal statement or address the public, presumably, into his past is to follow. Made from students' tuition dollars. A deeper investigation was qualified, but vehemently denied rumors that he was idiot students do is make memes out of me. He refused to offer further information on his stepping down, but he did take the time to disclose the identity of his successor. The next Chancellor of UCSB is to be A Large Pile of Money that has a pair of glasses on top of it. Yang did not have any more information to offer, but representatives of Chancellor Large Pile of Money has yet to make a statement saying, "Chancellor Large Pile of Money in Glasses." When we asked the College of Letters and Science about this incident, they simply responded, "Those fuckers." According to his representatives, Chancellor Large Pile of Money has a Ph.D. from every Ivy League institution in this country, as well as a pair of polarized Ray-Ban aviator glasses for when he gets taken to the beach. Updates to follow on his transition and how he will represent this institution with the honor and respect it deserves.

Early this morning, Chancellor Henry T. Yang announced that he was stepping down as Chancellor of UCSB and immediately named his successor. In a brief and unexpected statement, Ex-Chancellor Yang said, "I'm done. I've worked tirelessly my entire career and all these idiot students do is make memes out of me." He refused to offer further information on his stepping down, but he did take the time to disclose the identity of his successor.

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Looking for two of my classes and those winged jerks have had it too good for too long. I'm out of ideas, so here's some birds I saw and rated. Take that, you hollow-boned jackasses. You wanna see pictures? Too fucking bad.

**WHITE-TAILED KITE**
Rating: 5 out of 5
The island scrub jay is the kind of person who charges you $2.03 on Venmo. Native to the Santa Cruz, the island scrub jay safely dragged its lethargic ass across a narrow land channel during the last glaciation period, and has been too lazy to move back ever since. Because of this, however, it's at least pooping on some rock instead of my car.

**DUCk**
Rating: 5 out of 5
Okay who doesn't love ducks? If you don't love ducks, you probably also don't drink IPA's with pictures of bicycles or typewriter's on the side and wear tee shirts that say "Piper." Ducks are always the best character in every animated film they're featured in. Also, Jemima Puddle-Duck's dad was really into them.

**SANDPIPER**
Rating: 5 out of 5
I honestly don't even think I've seen a sandpiper in real life, but the Disney short made me cry. Remember that? It was called "Kale" but in the Yale University font. These things come in all colors and are always the best character in every animated film they're featured in. Also, Jimmy Neutron's dad was really into them.

**CROW**
Rating: 3 out of 5
You know when you're sitting in front of the Ucen and you see a bird just wheeled around on in and you think to yourself, "He's got guts." That's this guy right here. Ranging in all shapes and sizes, from billions of dollars, to tiny for billions of dollars, they're all a miracle of avocation. Plus, all I ever see them do is eat! Not only are they relatable, but they're an inspiration to us all.

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Opinion

NO DACA, AHI O DFA: Don’t Take Your Students for Granted

Kristin Hsu, the External V.P. for Statewide Affairs for Associated Students makes the case to hold Salud Carbajal accountable for his vote on H.R. 195

Congressman Carbajal won over 10,000 votes in Isla Vista with college affordability, environmentalism and comprehensive immigration reform as his key legislative priorities. After his win, the congressman repeatedly stated in speeches that he would protect DACA and the immigrant community in his district. Despite his record of cosponsoring proposals to address DACA, the congressman failed to continue his support when nearly all of his fellow democrats voted yes on the short term spending bill without a solution to the expiration of DACA.

In fairness, the situation is politically complicated. Congressman Carbajal released a statement explaining that his vote against the government shutdown bill was to ensure the Central Coast would have access to full FEMA resources in light of the damage done by the Thomas Fire and Montecito Mudslide. However, it is not the only way lawmakers can stand by their word. I am calling on fellow democrats, both students and community members, to hold Congress accountable for their campaign promises and to avoid following politicians simply because they align with your political party. If we are not critical of our elected representatives, we lose leverage and gain a reputation of being easy votes.

So what now? In short, the congressman may find a lukewarm reception from students during his next campus visit. It is a matter of trust. Despite delivering 94 percent of the votes in Isla Vista to him, Congressman Carbajal did not take student voices into consideration enough when making his decision. In this tumultuous political climate, activated young people will watch the events unfold.

We need to hold elected officials accountable to the promises they make to students, especially when we get them elected. Last week, Congressman Salud Carbajal voted Yes on H.R. 195, which continued funding until Feb. 19 to avoid a government shutdown, without any mention of protection for recipients of the Deferred Action for Childhood Arrivals (DACA) program. Only six democrats, including Congressman Carbajal, sided with the House republicans to pass the spending bill, and it failed to make it through the Senate. The country was left with the spending bill, and it failed to make it through the Senate.

We need to see Congressman Carbajal at the second government shutdown of the decade, and we still do not have a long term solution for Dreamers. His record of cosponsoring proposals to address DACA is not enough when making his decision. In this tumultuous political climate, activated young people will watch the events unfold.

Congressman Carbajal needs not just to show sympathy for undocumented people, but to demonstrate tangible efforts behind otherwise empty rhetoric. If we are not critical of our elected representatives, we lose leverage and gain a reputation of being easy votes. So what now? In short, the congressman may find a lukewarm reception from students during his next campus visit. It is a matter of trust. Despite delivering 94 percent of the votes in Isla Vista to him, Congressman Carbajal did not take student voices into consideration enough when making his decision. In this tumultuous political climate, activated young people will watch the events unfold.

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