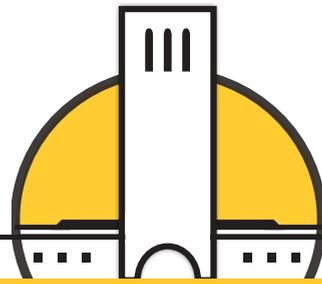


DAILY NEXUS



THURSDAY, FEBRUARY 4, 2016

www.dailynexus.com

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

SUPER BOWL 50: PANTHERS VS. BRONCOS



TARUSH MOHANTI / DAILY NEXUS

Michael Jorgenson
Sports Editor

Forget all that stress from midterms. Forget that dreadful fantasy football season you had. Forget all that drinking you've missed out on the past couple of weekends because you were busy working or studying. It's almost Super Bowl Sunday.

This magical day rarely disappoints, but boy, do we have quite the matchup before us in the 50th edition of the greatest event in American

sports culture: the past, represented by the legendary Peyton Manning – a five-time NFL MVP known not only for owning a “laser rocket arm” and the catchiest chicken parmesan jingle in history, but also just about every passing record imaginable – going up against the present, represented by Cam Newton – one of the league’s greatest entertainers, likely MVP and a budding superstar who at the age of 26 already owns the record for most rushing TDs of any QB in history.

Their styles could not be more different, but

this game will really come down to which star quarterback can figure out the other’s defense.

We have not seen the same Peyton Manning this year that we have in past years, but he has still managed to get the job done in the postseason, now looking to improve upon his 1-2 record in Super Bowls. He will conclude potentially his final year, a campaign in which he threw the most interceptions per game since his rookie season, going against a Panther defense that led the league in picks.

That’s not to say that Newton will have it any

easier, going up against the league’s top defense and possibly one of the top units of all-time.

On paper, we’re in for a classic. So long as the Broncos’ opening snap doesn’t result in a safety.

So grab some beer, grab all your fellow football fans and non-football fans who are only there to complain that “the commercials aren’t even funny,” and enjoy what could be No. 18’s final chance to match his little brother Eli in the jewelry department. Happy Super Bowl!

SUPER BOWL p.10

MEN'S HOOPS LOOK TO TOPPLE ANOTHER CONFERENCE LEADER



SUPERFAN WIG GIVEAWAY



IT'S GAUCHO GAMEDAY



VS



THURSDAY | 7PM
THUNDERDOME

EVENTS THIS WEEK

M BASKETBALL V HAWAII
THUNDERDOME
THURSDAY FEB. 4 | 7PM

W BASKETBALL V HAWAII
THUNDERDOME
SATURDAY FEB. 6 | 2PM

W BASKETBALL V FULLERTON
THUNDERDOME
SATURDAY FEB. 6 | 7PM

M VOLLEYBALL V UC IRVINE
ROB GYM
WEDNESDAY FEB. 10 | 7PM

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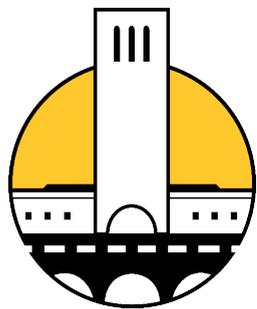
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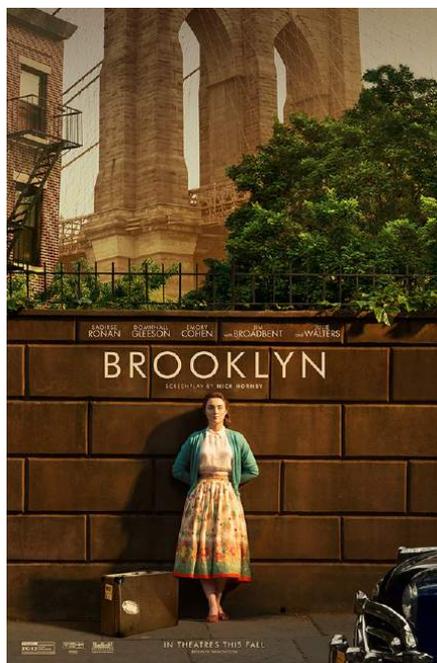
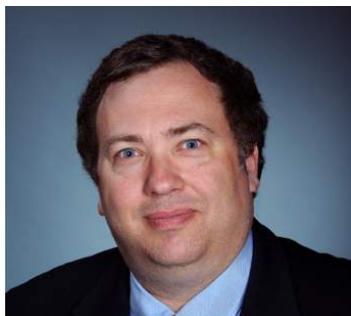
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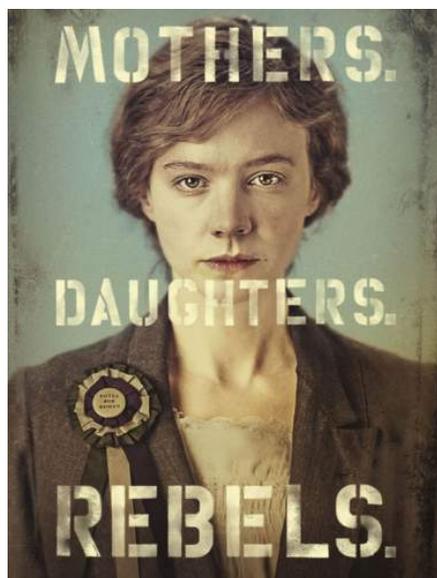


IV LIVE presents
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 MURDER MYSTERY**
 UCSB's award-winning
 improv troupe
 Friday, February 5
 at 8 pm
 Embarcadero Hall, IV
 \$3

David Makovsky &
 Ghaith al-Omari
**Israelis and Palestinians:
 A New Paradigm?**
 5:00 p.m. on Wednesday,
 February 24th at UCSB
 Campbell Hall



Magic Lantern Films
 presents
DOUBLE FEATURE NIGHT
 Brooklyn at 7pm
 followed by
 Suffragette at 10pm
 Friday, February 5
 at 7 pm
 Monday, February 8
 at 7pm
 IV Theater, Isla Vista
 \$4



Visionary organ player
Cameron Carpenter
 Tue., Feb. 9,
 at 7:00 p.m. at
 The Granada Theatre



Cameron Carpenter is not your grandmother's organist. A controversial figure in the music world, Carpenter bucks tradition with a varied and virtuosic repertory that spans across genres, encompassing Wagner, J. S. Bach, pop music and international film scores. His rock star persona – reflected head to toe by his jet black mohawk, Swarovski crystal encrusted suit tails and bejeweled shoes – is second only to his stunning musicianship.

Sarah Koenig & Julie
 Snyder, Binge-Worthy
**Journalism:
 Backstage with the
 Creators of Serial**
 Thu., Mar. 3, at 8:00 p.m. at
 Campbell Hall



As Seen in the Hit Documentary
 20 Feet From Stardom
**Ms. Lisa Fischer
 & Grand Baton**
 Wed, Feb 17
 8:00 PM
 Campbell Hall

"It's clear that she is deeply and internally in love with the act of singing, utterly and blissfully present in the welling up of each note, in the zone of the sublime."
 The Huffington Post

By any measure of talent and accomplishment, Lisa Fischer is a superstar. Yet, if you do not know her name it is likely because Fischer has spent the last 20 years as the backup singer for the Rolling Stones, Sting, Chris Botti and countless others. In the documentary film 20 Feet from Stardom, Botti raves, "Everyone knew who Lisa Fischer was, she's the talk of the town... an incredible artist that demands the room's attention."

**The Silk Road Ensemble
 with Yo-Yo Ma**
 Sun, Feb 21
 7:00 PM
 The Granada Theatre



Under the direction of Yo-Yo Ma, the indefatigable Silk Road Ensemble returns for two glorious nights of globally-inspired musicianship. The Grammy-nominated collective of performers from Asia, Europe and the Americas combines superb technique with an eagerness to connect across cultures and musical traditions.

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WEATHER

The Weatherman was recently amazed at his colleague's tonsils. A top-tier stud of a horse would be envious of her enormous, testicular lymph nodes.

Tomorrow's Forecast: NASA takes high-quality images of said tonsils, as they have acquired their own gravitational pull. They are named Ares I and Seabiscuit.

UCSB Examines Revised Sexual Violence Policy

A meeting on Wednesday discussed the recent changes to the UC's sexual violence policies and how they may increase access to adequate support systems for victims of assault



Nexus File Photo

Previously, UCSB students held a sit-in to establish a more concrete policy in regard to sexual violence procedures and policies. Though this policy has been implemented and revised, a meeting was held on Wednesday to consider how recent changes will affect the student body and student access to support programs.

Peeka Zimmerman
Senior Staff Writer

Students, staff and administrators met in the UCen's Santa Barbara Harbor Room on Wednesday to discuss recent changes to how UCSB will respond to reports of sexual violence.

The group focused on evaluating the recently implemented UC-wide Sexual Violence and Sexual Harassment Policy and how it will affect UCSB students.

Senior Associate Dean of Student Life Debbie Fleming began the discussion by explaining the purpose of the meeting.

"Our goal from the staff side of things is just to make sure that we have an opportunity for regular communication, that we have an opportunity to sit down and hear from you about your ideas and thoughts on things, if there are concerns you think we need to be aware of," Fleming said.

Fleming said under UC policy, each campus has some freedom to determine implementation procedures.

"That is actually something we have more control over are our own campus procedures, so we can go back,

look at that and amend that," Fleming said. "The policy is the policy for now. It has been embedded, system-wide it has been approved, it has been implemented as of Jan. 4, so we don't have the ability to make any changes

to the policy, but we do have the ability to make changes to the way we describe the implementation procedures, and we can clarify things that aren't clear."

Briana Conway, victim advocacy specialist for C.A.R.E. Advocate Office for Sexual and Gender Based Violence and Sexual Misconduct program at UCSB, said the policy is clear for reports of a student perpetrator, but other procedures need further specification.

"I think phase two of that and ongoing will be really fleshing out what are the procedures when any one

party is a non-affiliate and how do we work through next steps and action items as far as recording for that," Conway said.

Timothy Irvine, vice president for Committees and Planning of the Graduate Students Association, said a flow chart for procedures on student reports could be useful.

"If that could be adopted here and accessible, but accessible without students having to go into C.A.R.E., so on a website or something, so if something has happened they don't necessarily have to go in and consult with someone to get clarity on what the process might look like. I think that would be great," Irvine said.

Irvine said websites explaining the procedures can

potentially be difficult to navigate.

"Certainly if you know how to navigate these things, you can find what to do depending on what your situation is, and if you go to C.A.R.E., it is really easy to report and call C.A.R.E. and go into C.A.R.E., but that is not necessarily what everyone wants to do."

Suzanne Perkin, assistant dean for student life at the Office of Judicial Affairs, said the C.A.R.E. Advocate Office is preparing a one-page document to distribute to students.

"We are working on a summary and overview one-page document on this process, so that is something that could just be handed out," Perkin said. "Then we were thinking about, on the back, putting the flow chart."

Conway said there should be a balance of transparency and privacy in the reporting and advocacy processes.

"What is that happy medium? We can put it all out there for transparency, and, yes, I fully support that. But I don't want it to ever lose the beautiful bond that an advocate can provide and help a survivor navigate their options," Conway said. "That is the core value of why I wake up every morning."

“ Our goal from the staff side of things is just to make sure that we have an opportunity for regular communication. ”

- Timothy Irvine



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Dance Marathon To Raise Money for CMN

The Dance Marathon, which is the third hosted at UCSB, will raise money for the Children's Miracle Network (CMN) and their local Santa Barbara County affiliate



ALEX GONZALEZ DAILY NEXUS

The Dance Marathon will last for 12 hours total, and organizers hope to get a variety of on-campus organizations and groups from fraternities to residence halls involved in the festivities. The Marathon will start the evening of Feb. 20, running all night.

are hoping to outdo last year where we raised \$35,000," Padlipsky said in an email. "We are also hoping everyone comes to the event excited and leaves inspired."

Padlipsky said the Dance Marathon club at UCSB has focused on getting everyone on campus involved in the event.

"The organization of the club has changed a bit, and this year we are really focusing on getting all clubs, Greek life and residence halls to participate so all of UCSB is represented," Padlipsky said in an email.

Gerraty said participants will be able to meet past recipients of the money raised through Dance Marathon and enjoy games, food and performances by UCSB student groups.

"At the event, the dancers will have the opportunity to meet five miracle families — children and their families who have been helped by Cottage Children's Medical Centre — to hear their stories and to play games and dance with them," Gerraty said in an email. Desirae Lucas, fourth-year psychology major, said she chose to be involved in the marathon this year because she enjoys dancing and supports the event's charity.

"I wanted to participate in Dance Marathon this year for a few reasons — the first is because I love to dance and it would be a fun time to spend with all of my friends," Lucas said. "Second, I think it's for an amazing cause, and lastly, I also wanted to do it this year because I wasn't able to make it last year because I got sick."

Lucas said she plans to wear comfortable shoes and to dance for the entire 12-hour event.

"My strategies to survive are bringing very comfy shoes and to just keep dancing — the more you dance, the less time you'll have to worry about your feet starting to hurt!" Lucas said.

Sophia Dyaico, first-year undeclared major, said she is excited about the challenge of dancing for 12 hours continuously.

"I'm most looking forward to showing off my dope dance moves while spending time with great people to support the children."
- Sophia Dyaico

ing for 12 hours continuously.

"I'm most looking forward to showing off my dope dance moves while spending time with great people to support the children," Dyaico said. "I'm also excited to see how people's dancing changes as we approach hour 12. Maybe I'll even challenge a few people to a dance battle."

Dyaico said she plans to prepare for the marathon by sleeping well the night before and pacing herself throughout the marathon.

"I'm going to sleep a full 12 hours the night before, eat food, drink water and pace myself throughout the marathon by saving my best moves for the very end," Dyaico said. "Plus, I'm going to start training for Dance Marathon by playing a random song on Pandora and having a mini dance party in my dorm every night for the week leading up to dance marathon."

To register to participate in the Dance Marathon 2016, visit www.dancemarathonucsb.com.

To volunteer for a three-hour shift during the event, sign up at docs.google.com/document/d/1SgNbeGleJsMHKNwoyQYX-Zbzx-Cr3DOuOGkEOtzeTCG0/edit?usp=sharing or email operations.ucsbdm@gmail.com

Amy Koo
Reporter

Dance Marathon will host UCSB's third annual Dance Marathon from Feb. 20 to 21 to raise money for the Children's Miracle Network.

Dance Marathon is one of the nation's largest collegiate philanthropy organizations and operates through the Children's Miracle Network (CMN) and fundraises year-round to provide care for children at each campus' local CMN hospital. This year, UCSB will be raising money for Cottage Children's Hospital located in Santa Barbara, CA.

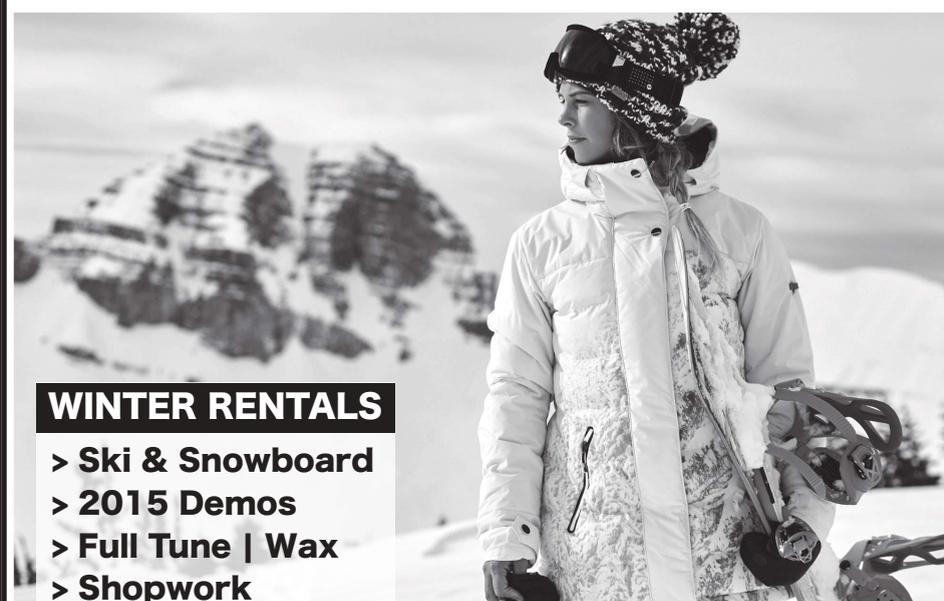
Samantha Gerraty, second-year dance and biology double major and co-director of Dance Marathon operations, said Dance Marathon began at Indiana University in honor of 18 year-old Ryan White, who passed away from HIV/AIDS in 1991.

"White was diagnosed with HIV/AIDS, and passed away from the disease before he could attend college," Gerraty said in an email. "[White's] friends held a dance marathon, which fundraised for the Riley Hospital for Children, and inspired other students across the nation to start supporting their own local CMN hospitals."

Lynn Padlipsky, fourth-year biology major and Dance Marathon executive director, said the organization hopes to raise even more funds than last year.

"We are hoping to raise a lot of money for Cottage Children's Medical Center. We

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D.R.E.A.M. To Aid Undocumented Students

The D.R.E.A.M. Loan Program, aimed at providing financial aid to undocumented UC students, will begin distributing federal funding to students this academic year



Photo Courtesy of California State Gear Up

The D.R.E.A.M. Loan Program will provide undocumented UC students with federal financial aid for the first time.

Hubert Zhang
Reporter

The University of California is rolling out its D.R.E.A.M. Loan Program this academic year, providing an initial \$5 million in federal aid to undocumented students across the UC system.

The aid will be distributed to 3,000 undocumented students and will include more than approximately \$350,000 to UCSB students. The money comes equally from the California state general fund, and UC funds and will be distributed to campuses based on need.

Habiba Simjee, Undocumented Student Services Coordinator at UCSB and Undocumented Legal Services Counsel, said the program was a significant step toward addressing the financial struggles of undocumented students.

"The D.R.E.A.M. Loan Program is an important step in addressing the significant funding gap for undocumented students who wish to pursue their education at UC schools," Simjee said. "It's been very challenging and heartbreaking to hear from students who have to withdraw or drop out because they're unable to make ends meet, particularly when we consider the cost of living in Santa Barbara."

Michael Miller, director of the Office of Financial Aid and Scholarships at UCSB, said the goal of the program is to make education more affordable for undocumented students.

"The goal of all financial aid funding is to ensure access and affordability for all UCSB students," Miller said. "This loan program will be one more resource our D.R.E.A.M. Scholars have available to them, and, given the work and loan commitment all UCSB students assume while they are here, it is going to play a huge part in their ability to finance their education."

The D.R.E.A.M. Loan Program, proposed by UC President Janet Napolitano, was passed in 2014, but funding was not available for students until the current academic school year. Miller said the program helps level the playing field.

"The creation of the D.R.E.A.M. Loan Program is a big step forward for D.R.E.A.M. Scholars across California, and it gets us closer to making sure they have the same resources available to them that other students have," Miller said.

Miller also made it clear that the University can do more for undocumented students.

"I am very proud of our campus, because our student leaders pushed for this program and their hard work paid off," Miller said. "This program is a step in the right direction, but we still have a lot of work to do."

Claire Doan, a spokesperson for the UC Office of the President, said the program will help ease the financial burdens facing the undocumented student community.

"The overall goal of the D.R.E.A.M. Loan Program is to help undocumented students who have limited financial options afford a

UC education," Doan said. "It helps alleviate the burden for undocumented UCSB students, many of whom are often forced to take semesters off or take outside jobs to offset the cost of tuition."

According to Miller, the average UCSB student graduates with about \$21,000 in student loan debt.

"Student loans are widely used by students to pay for education-related expense like tuition and fees, room and board and books and supplies," Miller said. "The D.R.E.A.M. Loan program will help eligible students meet these expenses."

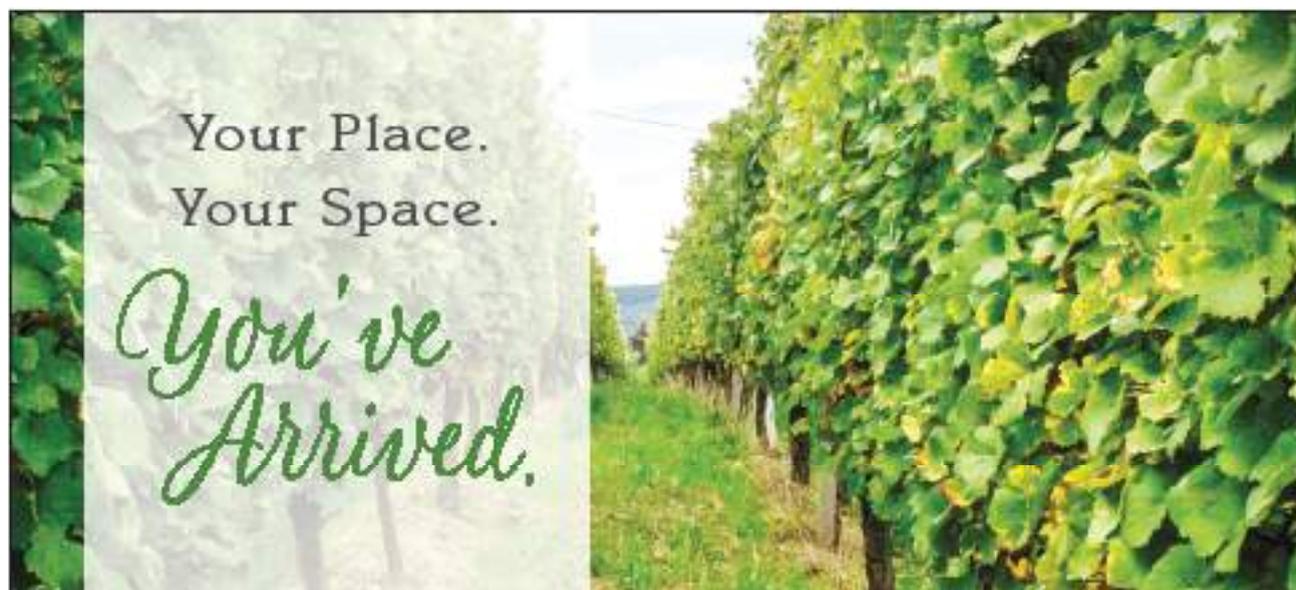
Under current laws, undocumented students who graduate from high schools in California can apply for state and university aid, but their status as undocumented students prevents them from obtaining federal aid.

Ricardo Leon, second-year computer engineering major, said he expects the D.R.E.A.M. Loan Program will help offset the lack of federal funding.

"The program will help [undocumented students] because they're not eligible for federal aid, so they don't get the Cal Grant, and they also can't get loans through the federal government," Leon said. "Having the government give them some loan money would be really helpful."

Leon said the program would help undocumented students focus more on their education and less on their finances.

"A lot of undocumented students have to get jobs in order to get that extra funding and make ends meet," Leon said. "I think a loan would help them focus more on their studies."



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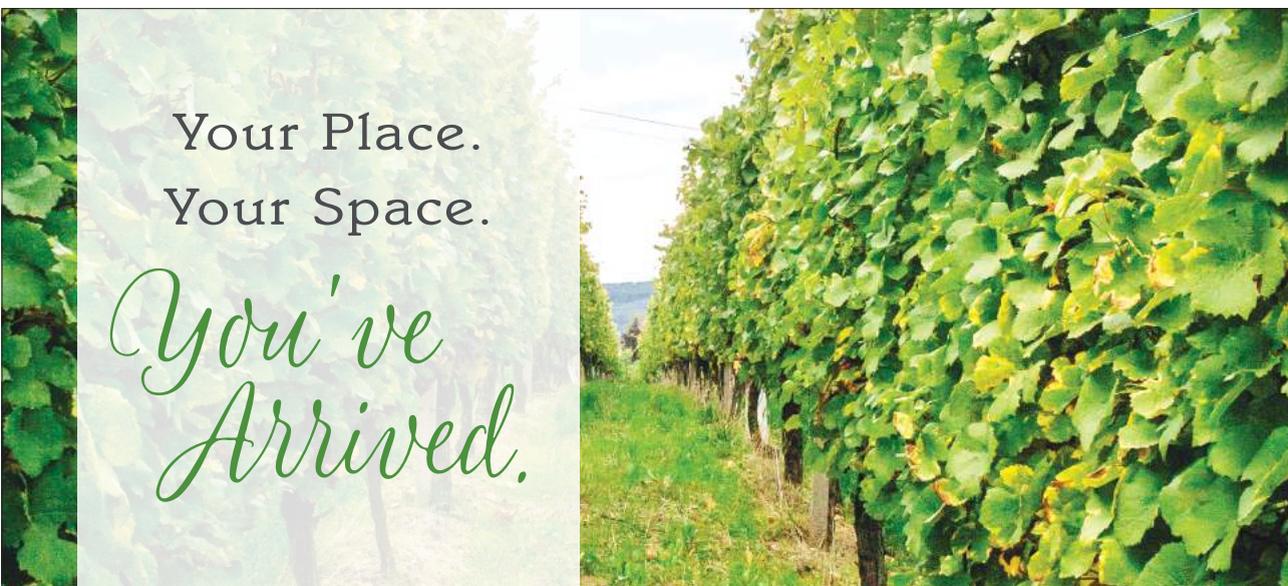
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Claire Doan, a spokesperson for the UC Office of the President, said the program will help ease the financial burdens facing the undocumented student community.

"The overall goal of the D.R.E.A.M. Loan Program is to help undocumented students who have limited financial options afford a

Recent Power Outages Impact Local Eateries

The increasingly frequent El Niño power outages have left local restaurants in the dark regarding whether to close until power returns or to stay open through them

Josh Ortiz
Senior Staff Writer

Isla Vista business owners and managers shared their experiences with the *Nexus* this week regarding the recent power outages amidst stormy weather in the Goleta area.

Many local businesses have reported losing all electricity with the onset of El Niño storms. On Jan. 5, for example, strong winds damaged infrastructure and caused a power outage throughout I.V.'s downtown business district that lasted several hours, and smaller power outages have followed. In such circumstances, many businesses report having to close stores until power is restored.

I.V. Food Co-op general manager Melissa Cohen said the co-op

lost at least half of its sales on Jan. 5 as the result of a power outage that rendered the store closed for five hours. According to Cohen, the store averages about \$10,000 a day in sales, but it only made about \$5,000 on Jan. 5.

"It's very hard to have to sit at the entrance of your business and say, 'Sorry there's no power,'" Cohen said. "That was stressful and our sales that day really suffered."

Otaco manager and third-year sociology student Richard Kim said the restaurant loses money during power outages, especially when the blackouts occur at night.

"It does affect our numbers because we sell beer and beer sells better at night," Kim said. "It hurts financially."

According to I.V. Drip owner Tom Leu, however, the power



VIVIAN BUI / DAILY NEXUS

Businesses are worried that they will be negatively impacted by power outages due to their forced closures.

outage saved his restaurant money because business was already slow during recent storms and the loss of power allowed him to send employees home.

"That was a perfect time for a power outage," Leu said.

Aladdin Café employee Steven Abdulhai, whose family owns the restaurant, said his family will usually check in with their neighboring restaurant Woodstock's Pizza to determine whether or not to close during power outages.

"We like to keep ourselves updated with Woodstock's — we're cool with the employees there," Abdulhai said. "If it's not too serious for them to be closing, then we'll probably stay open."

Buddha Bowls owner Daniel Dunietz said the "real issue" with power outages is maintaining food temperatures. According to Dunietz, the loss of power shuts down refrigeration, which can cause food to spoil over a certain period of time.

"There is a fair amount of built-in insulation, but we still watch those temperatures slowly rise," Dunietz said. "Once it gets past a certain point, [the food] becomes dangerous, and if it stays at that point for some time, you have to throw out everything."

Dunietz said he instructs his employees to keep the coolers closed to preserve the cool air inside in case of outages.

"We have a protocol where you just don't open the cooler, because it is insulated so it can keep that temperature cool for almost six to eight hours," Dunietz said.

Dunietz said Southern California Edison has usually had a quick response time to damaged infrastructure during storms.

"The guys at Edison have been really awesome, so I've been giving them coupons and stuff," Dunietz said. "They bust their ass."

According to Cohen, power outages have some positive results.

"The beauty of those power outage days is that celebration when the power goes back on," Cohen said. "We can invite our people back into our store."



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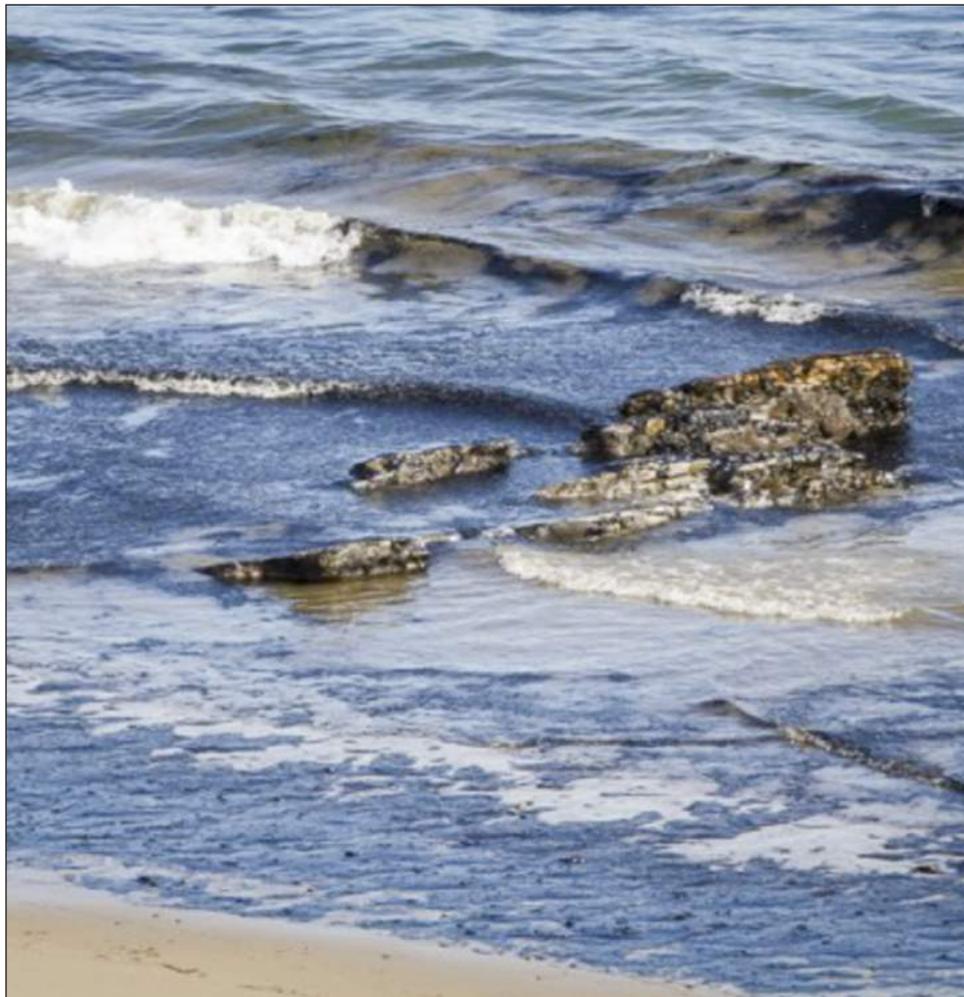
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Exxon To Truck Oil Out of Los Flores Canyon

Exxon Mobil Corporation applied for an emergency permit to remove oil that has been sitting in the canyon since May 2015, citing potential environmental impacts



Nexus File Photo

The 425,000 barrels of oil present a possible danger to the environment should a natural disaster occur; the removal will last anywhere from three to six months.

Sierra Deak
Staff Writer

Exxon Mobil Corporation received approval on Monday for its proposal to transport oil stranded in Las Flores canyon out by truck.

The approximately 425,000 barrels of stored oil have been left in the canyon since the May 2015 Refugio oil spill, when the Plains All American Pipeline (PAAPL) that usually transported the oil ruptured. The pipeline has since been shut down indefinitely. In the event of a natural disaster, the stored oil would not be removed in time to avoid potential environmental impacts, which is why ExxonMobil applied for the emergency permit in order to transport the stored oil from the Las Flores processing facility.

Santa Barbara County Planning and Development approved the permit, and the trucking operations will begin within three weeks, utilizing 30 trucks per day over a three- to six-month period.

"ExxonMobil's LFC emergency response plan has been impacted in its ability to respond appropriately to unforeseen circumstances, such as natural disasters, because of the unique event of the shutdown of the PAAPL for an unknown but extended period of time," the company said

in its application.

Dianne Black, assistant director of Santa Barbara County Planning and Development, said ExxonMobil's permit would allow for the transportation of the stored oil by truck in order to avoid negative environmental impacts caused by long-term oil storage.

"The emergency permit that was approved authorizes temporary trucking to move 425,000 barrels of stored oil out of the Las Flores Canyon

where ExxonMobil's processing plant is," Black said. "The county believes that the stored crude oil should be transported by truck to an appropriate facility as soon as possible to prevent loss or damage to the environment."

Black said moving the oil by truck is the only way to transport the oil at this time.

"This is all in the context of the Plains Oil Pipeline not being operational due to the rupture

that caused the spill, so there is really no other option to get the oil out of the canyon besides by trucking," Black said.

Linda Krop, chief counsel of Santa Barbara's Environmental Defense Center, said ExxonMobil applied for the permit due to concerns about residual materials from the May oil spill on the platforms, in the pipelines and in onshore storage facilities.

"The other concern is that they have been able to purge from the platform and the pipelines, but they have excess mixture in the onshore storage tanks, and so they're worried ... if there's anything that could cause a leak or a spill from those tanks," Krop said.

Krop said ExxonMobil's plan to transport the oil by truck will pose fewer environmental risks than the potential risks of leaving the oil in Las Flores until a pipeline becomes operational.

"What the county wants Exxon to do is get the oil out of those tanks before we have another oil spill, so the only way to transport that oil is by truck, because the pipeline is down," Krop said. "The Environmental Defense Center actually is in support of this proposal because it will help avoid another oil spill, and, although there will be some trucking, it will be temporary and will probably only last about three months, and any potential impacts from that are far outweighed by the risk of another oil spill."

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UCSB Professors Rate RateMyProfessor

The Nexus asked highly rated UCSB instructors for their thoughts on the website

Vicky Munro
Staff Writer

RateMyProfessors.com allows students to anonymously evaluate professors on a five-point scale for categories like helpfulness, clarity and even their professor's "hotness."

While UCSB students are familiar with the site, and some even rely on it to decide between classes, what do their professors think? The *Nexus* interviewed some highly rated instructors to see what they think about the website.

Communication professor Desiree Aldeis, who scores a 4.9, said she feels the website is a helpful tool for students, provided they "take it with a grain of salt" and remember the evaluations are subjective.

"I think it's a useful tool that students can utilize to make better choices and more informed choices for the classes that they sign up for," Aldeis said. "And I think students are also aware that these are their peer's opinions and their peer's experiences might be different from their own."

Aldeis said that the website is also useful to

professors so that they can see what aspects of their teaching style are and aren't working for students.

"I think it's important that professors get on there and read what their students say about them because there may be some things that you don't know you're doing that are not working well for your audience," Aldeis said. "I feel like it's a lot of information for us as professors in terms of how we can maybe improve or even the things we can continue to keep doing."

German professor Evelyn Reder, who also scores a 4.9, said students should avoid choosing courses based on the subjective reviews of others.

"There must be some truth to it, but you also don't know — it's so individual and so subjective," Reder said. "To be sure, you have to try them out, you can't really base it on someone else's judgment, so it's probably not the best way of picking a class."

Reder also said the website tends to only attract students with very extreme opinions.

"I kind of feel from what I've seen that only students that really love you or really hate you will write a review and everybody in the middle kind of



Courtesy of Rate My Professor

The general consensus on RateMyProfessor.com is, although the website can be a helpful tool, students' decisions should not be based solely on others' experiences.

doesn't really bother," Reder said. "I try to do my best, I try to really take my students' voices into account and try to be there for them, but I think in every class you have students that love you and students that don't like you so much."

Emma Levine, a graduate student studying music, is a teaching assistant with a perfect five rating on the site. She said students should be wary of personal evaluations, because students may form strong opinions about professors based on little

experience.

"I did find as an undergrad that it's useful so students can report on things like here's how many tests there are, how many quizzes or papers or how the class is run," Levine said. "As far as kind of personal evaluations, it's sort of hit or miss — you can get a student who just has one very strange interaction with the professor and then just hates them forever."

For the full story, see dailynews.com

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EDC Fights To Increase Oil Company Analysis



Courtesy of movotoDOTcom

Prior to reaching the settlement with the EDC, BSEE and BOEM granted several permits to oil companies without carrying out analysis on the environmental consequences.

Sophie Carty
Reporter

The Environmental Defense Center (EDC) reached a settlement with two federal agencies that will require them to perform environmental analysis before approving oil companies' requests to practice hydraulic fracturing (fracking) and acidizing in California waters.

The settlement is with the Bureau of Safety and Environmental Enforcement (BSEE) and the Bureau of Ocean Energy Management (BOEM), which together approved fifty-one permit applications for ExxonMobil and Venoco oil companies. The permits were granted without either agency carrying out assessment of the effects of such high-pressure technologies on air quality and marine wildlife.

Carla D'Antonio, chair of the environmental studies department and advisory board member of the Interdepartmental Emphasis in Environment and Society (IEES), said she feels permits to continue fracking and acidizing should have been reevaluated previously, following the introduction of new technologies.

"It feels like they just slipped their new technology in without anyone knowing," D'Antonio said in an email. "By getting categorical exemptions from these federal agencies, they are allowing these companies to reach and extract oil in any way that they can."

Chris Berry, Environmental Affairs Board (EAB) co-chair and third-year environmental studies major, said in an email he believes an increase in fracking will destroy local marine and coastal life.

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Claremont Appoints Black President



Melvin Oliver

Megan Mineiro
News Editor

Melvin Oliver, dean of the College of Letters and Science, will become the sixth president of Pitzer College this summer and the first African American to ever be appointed president of one of the five undergraduate colleges of the Claremont University Consortium.

Oliver has served more than 30 years in the University of California, first as a professor of sociology at UCLA and then as the dean of social sciences at UCSB beginning in 2008. Throughout his career, Oliver strove to create opportunities for minorities in UC, co-founding the UCLA Center for Study of Urban Poverty, and overseeing the creation of Chican@ studies, feminist studies and global studies Ph.D. programs during his tenure at UCSB. Before coming to UCSB, Oliver served as Vice-President of the Asset Building and Community Development Program at the Ford Foundation, where he developed a grant program to provide 35,000 low-wealth households with secure home mortgages and to change the way banks assess home mortgage applicants.

Oliver has received multiple distinguished awards and fellowships in recognition of his work in higher education and philanthropy,

including the Rockefeller Foundation Research Fellowship, National Science Foundation Research Initiation Planning Grant and more than \$5 million in research support from NSF, Ford, Rockefeller, Russell Sage, Haynes, and the Social Science Research Council. During his time at UCLA, he was named the California Professor of the Year for his "extraordinary dedication to teaching and commitment to students."

Having earned his bachelor of arts at William Penn College in 1972, Oliver said he is both elated and honored to have been named president of an institution like Pitzer, which has "all of the characteristics of a great liberal arts college" that he admires.

"I've always wanted to go back to my roots," Oliver said. "The liberal arts was a transformative experience for me ... it was the kind of place that encouraged my creativity, it was the kind of place that nurtured my intellectual curiosity and it gave me leadership opportunities to grow and develop."

Oliver said his appointment as the first African American president of an undergraduate Claremont college motivates him to create "ladders of opportunity" for those who come from backgrounds similar to his own.

"In a lot of things I've done I've been the first. The first only means that you have to create the ladders of opportunity for other to follow. It's not about you, it's about what you can do for others," Oliver said. "I see it as one of my responsibilities to create those ladders of opportunity so other students of color, other professors of color, other really disadvantaged folks can also have the same opportunities I've had."

Oliver said he was attracted to Pitzer because it reflects his own values, such as commitment to diversity, environmental sustainability and education geared toward social impact.

"Those are all values that I've promoted in my life, into my work, and I think Pitzer is the kind of place I can go to and help them double down on some of those concerns they have — some of those issues that they're grappling with," Oliver said.

Chancellor Henry T. Yang said Pitzer is fortunate to have Oliver, as he is a "seasoned administrator" who possesses unique leadership skills.

For the full story, see dailynews.com.

EDC

Continued from p.8

rich ecosystem and offers so much to our community," Berry said. "The last thing we need is fracking slurry or massive amounts of acid spilling into our waters."

Third-year biology major Farhan Mitha said this is one step of remedying the corrupt relationship between corporations and regulatory agencies.

"On the one hand, it's good news that they finally have to take some responsibility for this, but it's just part of a wider situation of big fossil fuel companies using their money and power to escape regulation," Mitha said.

Hannah Bettison, third-year English and comparative literature double major, said she was surprised to learn that federal agencies were misusing funds to perpetuate fracking and acidizing.

"The Santa Barbara coastline is an absolutely beautiful environment," Bettison said. "I'm shocked that companies would try to exploit it for commercial profit."

Bettison said she is relieved the EDC is fighting for Santa Barbara marine life.

"I'm glad that there are organizations who are working to bring [the agencies] to justice," Bettison said.

Brian Segee, senior attorney at the EDC, said the settlement will require agencies to undergo an evaluation of how their work affects the environment.

"Under the settlement, the government has agreed to take key actions that we were seeking in filing the suit," Segee said in an email. "[This includes] programmatic environmental assessment of the environmental impacts of fracking and acidizing under the National Environmental Policy Act and putting a hold on the issuance of new permits while that assessment is done."

According to Segee, the public will have the opportunity to share their opinions before it is approved.

"It will be a public process with notice to the public and opportunity for comment during a 30-day period," Segee said.

To review the online settlement document, which requires both federal agencies to carry out environmental assessments by May 28, 2016, go to biologicaldiversity.org.

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SUPER BOWL 50 KEY MATCHUPS: DEFENSE WINS CHAMPIONSHIPS

Broncos Passing vs. Panthers Secondary

Daniel Moebus-Bowles
Staff Writer

With everyone calling Denver's defense the best in the league and Cam Newton being the likely winner of the NFL MVP award, the matchup between the Broncos' passing game and Panthers' secondary truly may be the decider in the game.

We know Cam and the Denver D will have a close battle, but will the great Peyton Manning show up against a very tough group of Carolina defensive backs, or will he show up as the 39-year old whom we've seen regress heavily in the past year? Manning will more than likely walk off the gridiron for the last time this Sunday and, win or lose, he will go down as one of the greatest to do it.

Unfortunately, whether he wins or not, his last few seasons in this league were not at all an accurate portrayal of the Manning we have grown to know. He has been stricken with injuries, thrown for all-time lows and was even benched in the same game in which he broke the NFL's all-time passing record.

He's thrown a career low nine TD's this year, along with his fewest completions, his most picks since 2010, and, for the first time in his career, he didn't play and start in every game. This surely is not the same Peyton Manning that won five MVPs.

To make matters worse, Peyton is widely known as being very unsuccessful in the Postseason, with a record of just 13-13 in his 18 seasons and only one Super Bowl win out of three tries.

Now, with sports being the beautiful and unpredictable animal that it is, we can by no means count this man out. With the incredible receiving options he has around him, Manning could very well come out and have an above average day if he can just tap into what ever talent and youth he has left in the tank. What makes this a tall task are those men in blue on the other side of the ball.

Carolina is known to have a great defense, especially in their front seven with a player like Luke Kuechly handling the run game very well, but what about those who stop the pass? The Panthers have been blessed to feature what may be the most improved corner in the league this season in Josh Norman, who picked up career bests in every defensive stat this year, excluding tackling. Norman had four picks, three forced fumbles and two defensive TD's this year, but more importantly he became a truly lock-down corner. Robert McClain, Kurt Coleman, Roman Harper, Cortland Finnegan and Teddy Williams join him to make up this very talented secondary that reeled in the most interceptions during the regular season and has allowed the least passes in the playoffs so far.

When looking at this matchup I truly see the thick of the game coming down to how well Peyton can play against this very talented passing defense. The Broncos have great receiving options in Emmanuel Sanders, Demaryius Thomas, Owen Daniels and Vernon Davis, whom will be covered well by a talented Panthers defense that will result in a stalemate.

The Carolina Panthers will be Super Bowl champions unless Peyton shows up as the great player we have grown up with and makes the super star plays he has been known to make, albeit in the regular season as opposed to on the biggest stage.

Advantage: Stalemate

Cam Newton vs. Broncos Defense

Jorge Mercado
Staff Writer

While Peyton Manning and Cam Newton exchanged praises for each other at the Super Bowl 50 media day, one of the many attractions entering Sunday's game is how well Newton will fair against the Denver Broncos' defense.

Awaiting us is a matchup between one of this season's best quarterbacks going head-to-head with the NFL's No. 1 defense. Yet, it is no shock that Newton has garnered most of the spotlight thanks to his MVP caliber play this season.

This season, the Panthers' star quarterback set a new career high in passing touchdowns with 35 in the regular season, which tied for second best in the league. He was also tied for fifth in the NFL in rushing touchdowns with 10 — the next closest quarterback on the list was Tampa Bay Buccaneers' rookie QB Jameis Winston with six.

Last week in the NFC championship game against Arizona, Newton threw for 335 yards and two touchdowns, an encouraging sign that he is still hot heading into the Golden Super Bowl. However, Newton has had his fair share of struggles when facing good defenses this season.

Although the Panthers dominated the Seahawks for the most part in their divisional matchup, Newton was average, throwing for only 161 yards and rushing for three yards on 11 carries. In Carolina's only loss of the season in week 16, Newton was pressured immensely by Atlanta, being held to 142 passing yards and 46 rushing yards.

Point being, when Newton is pressured he starts to play a bit more poorly than usual — as do most quarterbacks. Unfortunately for Newton, this Sunday the former No. 1 overall pick will face off against possibly the best pass rushing defense he has seen in his five-year career.

The Broncos' defense has dominated all year long as the No. 1 total defense, No. 1 against the pass and No. 3 against the rush. Most notably, it has been Denver's pass rush which has been most valuable. In the regular season, the Broncos led the league in sacks with 52.

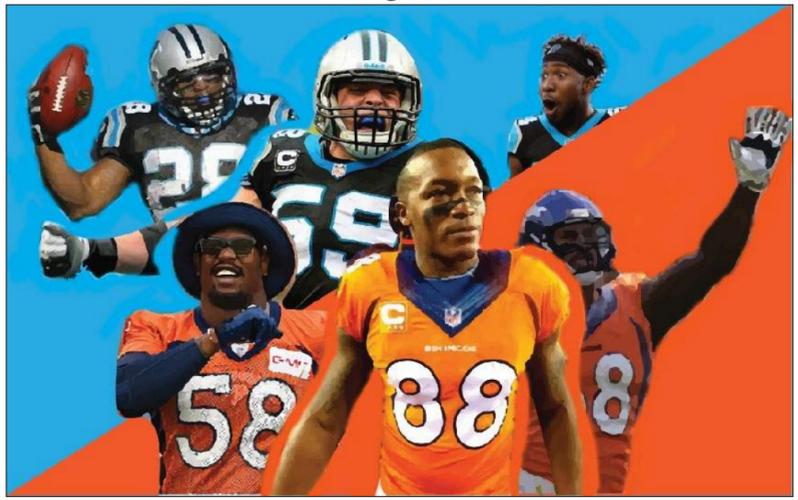
Last week, Denver hit the Patriots' star quarterback Tom Brady 17 times. It was the most the quarterback had been hit in a game this season, including the postseason. Newton has yet to be hit more than six times in any game this season.

However, just as Newton has never faced a pass rush like the Broncos, subsequently Denver has never faced a quarterback like Cam Newton, which is what makes this matchup so great.

The most rushing yards by a quarterback against the Broncos was Alex Smith, who ran for 33 yards, but Newton and Smith are two completely different quarterbacks. The unpredictability of Newton's talents is what might be the determining factor come Sunday afternoon.

At this point, it seems clear that the Broncos defense holds the advantage. One player cannot possibly beat an entire defense. Then again, not many players, let alone QBs, can match Cam Newton's skillset. Part of the intrigue will be to see if he can overcome the best defense in the NFL.

Advantage: Denver



Broncos Run Game vs. Panthers Front 7

Elliot Thornton
Staff Writer

They say numbers never lie, and, as cliché this statement may be, it could well be a recipe for success for Head Coach Gary Kubiak and the Denver Broncos.

Denver is 8-0 this season when its ground and pound game rushes for 130-plus yards. With the combination of a downhill rusher like C.J. Anderson and the finesse of Ronnie Hillman in the backfield, Kubiak will likely take this stat into account as he helps to prepare the Broncos' offensive scheme for Super Bowl 50. While the Panthers' defense, especially their front seven, has been impressive this season, the Broncos know running the ball effectively will play a key part in their ability to move the chains.

It's no secret that Peyton Manning's throwing arm doesn't possess the same amount of strength and precision it once did. Although he still retains the knowledge and

ability to manage a game, the Broncos' ability to establish their rushing attack will be pivotal in aiding their aging quarterback.

Despite a lethargic start to begin the season, Denver's run game gradually improved as the year progressed. Both Hillman and Anderson have proven to be clutch in the post season, coming up huge during the team's game-winning drive against the Steelers. While Anderson wasn't as dominant against the Patriots in their second matchup, the former Cal Bear led all rushers with 72 yards, including a rumbling 30-yard pickup in the fourth quarter that set up the game deciding field goal. His hardnosed running style will be a vital factor in the Broncos' chances of earning a victory in the matchup against the physical front of the Panthers.

The Panthers' front seven on defense, led by the All-Pro linebacker duo of Luke Kuechly and Thomas Davis, could very well prove to be the deciding factor in this year's Super Bowl. Kuechly leads the team this postseason with 19 tackles, while Thomas has 11 after leaving the NFC championship game with a broken forearm. While he is planning to play with a brace in the Super Bowl, it remains to be seen how effective he can be with only one fully functioning arm.

These two linebackers, as well as Kurt Coleman, who leads the team with two interceptions this postseason, headline an aggressive front seven that gave Carson Palmer nightmares during the NFC championship. Fast and intelligent, they will need to be on their toes against Manning and all of his deceptive play calling at the line of scrimmage.

The Panthers' defense altered what should have been two hard fought battles this postseason against the Seahawks and Cardinals into near blowout victories with their smart, opportunistic play complementing their explosive offense led by likely MVP Cam Newton.

Yet enhancing the narrative of Sunday's game is the curiosity of if the "Sheriff" can dig deep and orchestrate one more victory to top off one of the greatest quarterbacking careers of all time. If Manning can manage to prevent from turning the ball over, the Broncos' defense might have what it takes to keep Denver within reach for earning its third Super Bowl victory in franchise history.

However, the edge overall must go to Carolina and its dynamic leader in Newton alongside the Panthers' ferocious defense, which has taken the league by storm this year with aspirations of becoming the NFL's next dynasty.

Advantage: Carolina

Broncos D/ST vs. Panthers D/ST

Ryan Burns
Staff Writer

It's fairly common that a defensive or special team's play can end up having a huge impact on the outcome of the Super Bowl. Just ask the Denver Broncos.

Two years ago in Super Bowl 48, Denver lost 43-8 to Seattle, and a long interception return TD for Seahawks' Malcolm Smith sucked the hope out of the Broncos in the second quarter. Seahawks wide receiver Percy Harvin delivered the final blow on the kickoff of the second half, returning it 87 yards for a touchdown.

In this season's edition of the February classic, two of the premier defenses in the NFL will battle for the crown. Denver definitely comes into the games with the edge, though, as they led the league in the regular season with a stingy 283.1 yards allowed per game and a fourth-best 18.5 points allowed per game.

Denver's all-around solid team defense will have to outperform Carolina's explosive, hard-hitting D led by lockdown cornerback Kurt Coleman and all-pro linebacker Luke Kuechly. The Panthers had a league-high 23 interceptions in the regular season and like their offense, plays with an edge that often gets on the nerves of their opponents. Cornerback Josh Norman has had on-field scraps with several top wide-outs, such as Dez Bryant and Julio Jones, and the frustration has to stem from how tough and gritty the Carolina defense really is.

As for special teams, neither team has had any explosive players this season, with the Broncos' Omar Bolden the only player in the Super Bowl with a return touchdown this season. Broncos' kicker Brandon McManus has hit 85.7 percent of his field goals with a season high 57-yarder, while Panthers' kicker Graham Gano is similarly successful, converting 83.3 percent of his FGs with a long of 52-yards.

Advantage: Stalemate

Staff Predictions

MICHAEL JORGENSEN



27-20



SEAN WHITE



24-17



DANIEL MOEBUS-BOWLES



20-17



ELLIOT THORNTON



31-21



JORGE MERCADO



20-17



RYAN BURNS



28-13



ANTONIA BIRD



24-23



SINEAD LEON



24-21



XAVIER CARDENAS



31-21

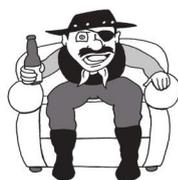


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If Cam Newton is the NFL equivalent of LeBron James, does that make Peyton Manning the NFL equivalent of Brian Scalabrine? Actually ... I'm not sure Peyton is quite there yet.

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HE SAID, HE SAID

Battle of the QBs: Omaha Meets 'The Dab'

Could Peyton's Worst Individual Season Finally Cement His Legacy? 

Michael Jorgenson
Sports Editor

It's funny how we as sports fans like to put history into perspective.

Ideally, the well-informed fan would be able to watch every play of every game, taking all of a player's strengths, weaknesses and ability to pull out wins into consideration before making a judgment on who the greatest players are.

In reality, numbers are what the average fan tends to rely on most when telling the "truth" of how great a player is. This tends to be extremely misleading, especially in sports where numbers don't quite translate to show a player's true value.

When comparing careers as a whole, we generally stick to one golden rule when talking about what number matters most: rings.

Dan Marino is perhaps the most well-known example in football of how misleading this can be, as the legendary quarterback failed to ever win a ring despite setting just about every passing record there was to set. He would forever be overshadowed by Joe Montana and his four Super Bowl rings, a record for quarterbacks that still stands today.

It's not hard to see who the present-day equivalents of Marino and Montana are. Peyton Manning and Tom Brady have followed the same storyline as their predecessors nearly to the tee since they rose to prominence in the early 2000s.

Brady quickly took up the Montana role, racking up three rings from 2001-2004 as the Patriots dominated the football world with unprecedented postseason success. Over the years, he has made his own individual marks on the record books, albeit nowhere close to the success Manning has had in that respect. However, a fourth Super Bowl win in 2015 brought Brady into a tie with Montana and Terry Bradshaw for the most ever for quarterbacks, further establishing him as potentially the greatest signal-caller of all time.

On the other side, no matter how well Peyton Manning has done in the regular season, postseason success has almost always found a way to evade him. Whether it's due to costly interceptions, missed field goals, or freak plays down the stretch, Peyton has managed a 13-13 career playoff record and the most losses of any quarterback, compared to Brady's magnificent mark of 22-9.

The key difference between Manning and Marino in the playoffs is the fact that Manning did manage to pull off one Cinderella run in 2006, when his Indianapolis Colts defeated the Chicago Bears 29-17 on a rainy day in Miami. Nevertheless, as he continued rewriting the history books and bringing his MVP trophy to an all-time best mark of five, Manning still could never find a way to erase the doubts of his greatness.

After all, Peyton's little brother, Eli, who has never come close in the statistics argument, has two rings of his own; ironically, both having been earned against Brady and the Patriots.

It is too late for Peyton to reach the mark set by Brady and Montana, but this Sunday, his legacy will have everything on the line. Lose, and he likely finishes his career with a 1-3 record in Super Bowls, more evidence for the doubters that more times than not,

he failed to get the job done when it mattered most.

Win, and he gets a John Elway-like send off, potentially ending his career on the highest note possible while finally getting that elusive second ring.

Ironically, if Peyton wins that second ring, he would be achieving it during what is by far the worst statistical year of his legendary career.

Just how bad was it? Excluding the 2011 season which he sat out due to multiple neck surgeries, Peyton finished 2015 with the least completions, yards, touchdowns, QB rating and games played of his career. In a game against Cleveland, he broke the all-time record for passing yards minutes before being benched for the first time ever. That was his season in a nutshell.

Although he was on the field far less than we are accustomed to, when he did play, mistakes were in abundance. He averaged 1.7 interceptions per game, the most since his rookie season, when he averaged 1.75.

Luckily for Peyton, he gets one more chance to win a ring thanks to the greatest defense he has ever

Panthers' Balanced Attack Could Ensure Last Rodeo of Manning Era 

Sean White
Assistant Sports Editor

Despite becoming the first team to win the NFC South in back-to-back seasons last year, Carolina's 7-8-1 finish to crawl into the playoffs was not an astounding achievement as each team in the division concluded the season with a losing record.

As part of a mediocre division along with the losses of No. 1 Wide Receiver Kelvin Benjamin to a torn left ACL and a farewell to nine-year veteran Halfback DeAngelo Williams, ending the Panthers' coveted dual-threat rushing attack alongside Johnathan Stewart, many were convinced that a lackluster season was in store for Carolina.

But just like the fearless superhero he has constantly portrayed himself to be, the heroic breakout season of Panthers' Quarterback Cam Newton has amazed the entire National Football League with his incomparable play on the field to help the Panthers finish with a 15-1 regular season record.

through the air with his rushing abilities as well, registering a career-high 8.2 rush attempts per game while collecting 636 yards and 10 rushing touchdowns.

While it's inevitable to dislike the charismatic celebrations and giveaways of footballs to children in the crowd after scoring a touchdown, there remains a lack of attention to the level of proficiency he has consistently played with all season long.

Specifically, his reliability in the Panthers' redzone trips on offense has been overlooked. He ranked third in the NFL during the regular season when in opponents' redzones, throwing for 26 touchdowns and zero interceptions. Nonetheless, Newton has performed best in the fourth quarter of games, registering a 64.3 completion percentage and a 110.4 quarterback rating.

Yet the calm, cool and collected persona that the QB displays, he has been a vital element in the Panthers' success on third down helping to extend offensive drives. Carolina's 42.4 third down conversion percentage ranked seventh in the NFL during the regular season. The Panthers' offense has increased its efficiency when facing possible three and out situations in the postseason now at a 55.2 percentage.

If I had the privilege of an MVP vote, it would be in favor of Newton; however, I remain a firm believer in the old adage that 'defense wins championships.'

Though Carolina ranked a few spots lower than Denver in total defense, pass yards allowed and rush yards allowed, the Panthers' mastery of takeaways provides the best balance to their dynamic offense.

Carolina led the NFL with a plus-20 differential between its takeaways and giveaways. Its defense led the league with a total of 39 takeaways while also garnering league-highs in interceptions with 24 and fumble recoveries with 15.

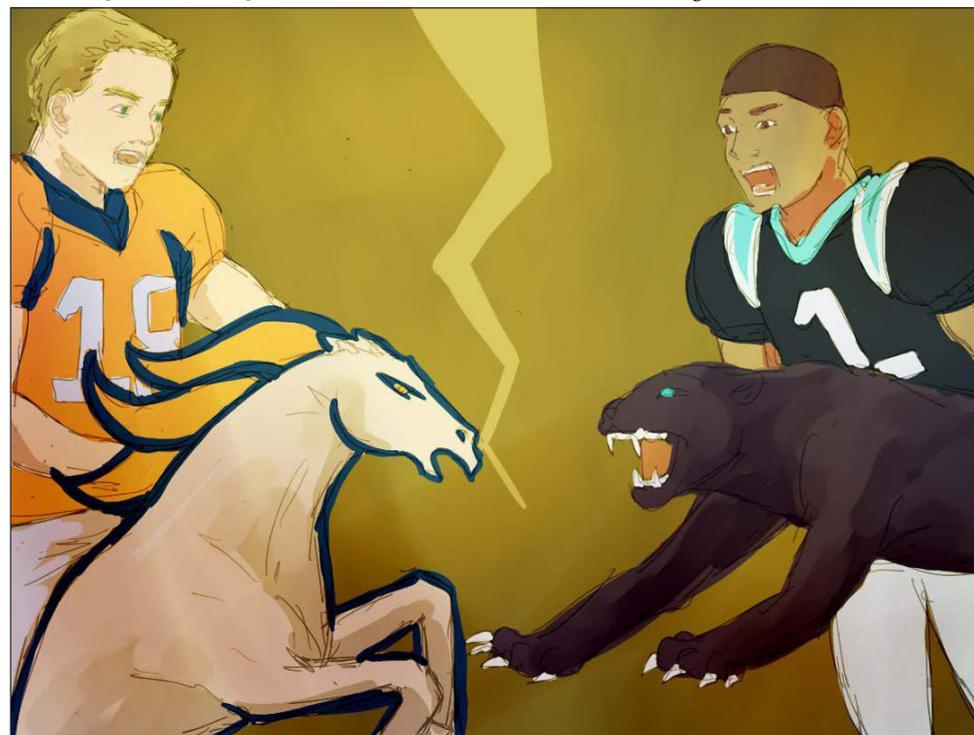
Leading the Panthers' stout defense is three-time First Team All-Pro Middle Linebacker Luke Kuechly. Assisting in either run defense or pass coverage alongside veteran linebacker Thomas Davis, it is Kuechly's versatility that makes him such a challenge for offenses to gameplan against.

Supporting Kuechly and the rest of the linebacking core are the members of "Thieves Ave"—the Panthers' secondary. Led by arguably the best defensive back in the NFL in Josh Norman, the crew is responsible for 15 of the team's 24 interceptions with safety Kurt Coleman's seven being tied for the most in the NFC.

Although Peyton Manning has yet to throw an interception this postseason, the time shall come once he squares off against the Panthers' defense. Carolina's defense is predicated around the foundation of takeaways, having already recorded six interceptions and two fumbles in two playoff games.

In addition to Manning throwing at least one interception in each of his three previous Super Bowl trips, there has been just one season in which Peyton has thrown less than 10 interceptions.

That lone season ended with a Super Bowl victory over the Chicago Bears with the Indianapolis Colts during the years of 2006-07. Certainly I'm not inferring that the Broncos can't win because of this statistic, yet the Panthers' ball hawking defense may be able to prey upon Peyton's weakest element which could end with Carolina bringing home the Lombardi Trophy.



EMILY ZHANG / DAILY NEXUS

had behind him, a defense that won the Broncos the No. 1 seed in the AFC despite playing with an inconsistent offense that is still searching for answers.

Peyton knows better than anyone in this game how defense can win a championship. It was only two years ago that the greatest offensive season in history was demolished 43-8 by the Seattle Seahawks and the league's top defensive unit.

It'd be a shame to see him go down like that one more time. Fortunately for his fans, he has looked spryer than he has all season in his last couple performances, looking to have put the plantar fasciitis that forced him to miss time behind him.

Whatever happens, this Sunday will be a day to remember in the legendary story of Peyton Manning, football's greatest student.

Let's just hope the referee doesn't ruin things with a controversial coin toss.

With "Super Cam" at the helm, it may not be too early for Coach Rivera to consider which finger he will have fitted for his second Super Bowl ring. Yet, it can be assured that the primary objective is earning Carolina its first of the famed piece of jewelry.

The same applies for Newton, who is in search of his first Super Bowl ring and has helped guide the Carolina Panthers to their second Super Bowl appearance in franchise history. While a Panthers-Patriots rematch of Super Bowl XXXVIII would have made the headlines ever more intriguing for Sunday's game, the opportunity to see Newton play on the game's most remarkable stage is just as fascinating.

He set regular season career-highs in passing touchdowns and passer rating with 35 and 99.4 percent, respectively, while throwing a career-low 10 interceptions. Newton complemented his attack

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El Niño Could Ease California Drought

Officials say strict water conservation policies instated because of the California drought could be significantly rolled back or ended if the El Niño-fueled storms continue into spring. This came after an assessment of the Sierra Nevada snowpack levels, which are 130 percent of what they usually are this time of year. This snowpack provides as much as one-third of the state's water supply when it melts and flows out to rivers later in the year. Officials caution that it is still too soon to know for sure, but they say they are optimistic Californians may be able to enjoy their water a little more this summer. abcnews.go.com



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International Spotlight



European Union Approves Fund to Help Turkey with the Migrant Crisis

The European Union (EU) approved a €3 billion (\$3.3 billion) fund Wednesday to help Turkey cope with the massive influx of refugees it received from the current Syrian migrant crisis. This came after Italy dropped objections claiming the EU was allocating more than appropriate to help Turkey. Under the deal, the EU will contribute €1 billion, and the 28 member states will cover the rest. The Vice President of the European Commission Frans Timmermans said this fund will directly benefit the refugees in Turkey. bbc.com

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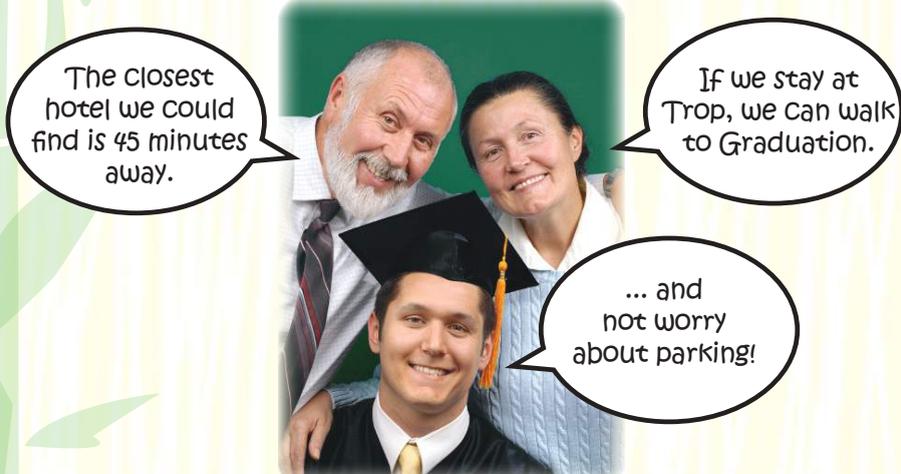


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Culture Clashes at Campbell

Max Pasion-Gonzales
Reporter

The curtains open, a Latina woman tap dances in front of an American flag in the backdrop and 2Pac's "Hail Mary" blasts over the speakers for all to hear. Campbell Hall was in for an interesting night.

Last Wednesday night, a Latin-American theater comedy performance group known as Culture Clash took the stage. The troupe performed an act they call "Muse and Morros," a series of satirical sketches curated to generate laughs and, more importantly, shed some light on America's issues of racial injustice, poverty and discrimination. Campbell Hall hosted a relatively full audience of students and residents of Santa Barbara alike, including some first-time viewers and some long-time fans of the act.

The sketches consisted of monologues and scenes from the Latino actors playing characters of different ages, races, sexualities, beliefs and, of course, cultures. These characters were portrayals of real people that Culture Clash has met, telling real stories and honoring the unique personas. The themes and ideas often alternated between relevant cultural comedy, such as references to El Chapo and Donald Trump, and serious social commentary, such as the struggle of immigrants, the institutionalization of the prison system and the generalization of different cultures.

As a young student who very much enjoys comedy of all types, a good portion of the jokes seemed a bit crude and predictable.

For example, they portrayed a middle-aged

Florida couple with a Polish husband and Cuban wife. In an attempt at humor, the husband detailed to another character the particularly large butts of Cuban women. With a loud, expressive voice and heavy emphasis with his arms, he proudly exclaimed that "they got the POW!" The crowd seemed to enjoy the attempt, but, much like the previous ones, it fell a bit short.

The true moments that hit home in the show came at the times of real enlightening conversation. I, along with the rest of the crowd, was touched during the portrayal of a Middle Eastern cab driver, who described some memories from after 9/11 and the San Bernardino shooting. He described loving groups of all races coming together to Muslim temples, praying and caring for each other. The crowd silently watched in awe, and a few young students responded with snaps of approval. The man ended the scene with his proclamation: "That is America."

One strength this show had was its fast-moving pace. No character was on stage for more than about seven minutes, and a new sketch would quickly start as soon as the previous one ended. Overall, although some scenes fell flat, the show always seemed to redeem itself and pick itself back up just as quickly. For this reason, the audience was constantly engaged and entertained, not only by the quick narratives, but also by the excellent acting.

This was not these comedic actors' first rodeo, as 2016 marks their 32nd year performing. The group consists of actors Richard

Montoya, Ric Salinas and Herbert Siguenza, all of whom have plenty of experience in theater and comedy. Their chemistry together was clear, as there appeared to be no hiccups or flaws throughout the show, and everything ran smoothly. The actors also showcased brilliant acting abilities, as they took on many different personalities, accents and characteristics with impressive accuracy. My personal favorite was the Asian American character, who displayed a surprising dialectical accuracy without any trace of a different identity.

Following the performance, the three actors remained on stage for an engaging Q&A with the audience regarding the themes of the performance and the actors themselves. The performers were happy to answer questions from all types of viewers, even one couple who have been fans for 30 years. The energy felt very warm and intimate in Campbell Hall, as everyone was very appreciative of the conversation being heard and beautifully united under the common ideas of inclusivity and civil equality. Afterward, I was lucky enough to share a few words with Siguenza. "You have to be stub-



TARUSH MOHANTI / DAILY NEXUS

born, you have to be relentless, you have to be almost selfish for your art," expressed Siguenza. "There's just no other way. We really have never let up, and sooner or later you start making a living off of it."

His words of advice surely rang true for Wednesday's performance. Although a portion of the interactions missed the mark, the overall passion and dedication to the worthy cause truly prevailed in the end. I, along with the rest of the audience, was truly moved, if not at least well entertained, and heard the beginning of a real conversation that all Americans need to hear.

Leo, Oscars and Bears - Oh My!

Alex Wehrung
Senior Staff Writer

Poor Leonardo DiCaprio. Five times he has seen golden statues march past him, and five times he has had to watch them fall into the hands of another.

So now, in an attempt to finally ensnare an Oscar, he screams and wails as a man wearing blue spandex and a plastic bear head dangling above his noggin furiously shakes his arm to and fro. I'd give the man an Oscar simply for not cracking up in rehearsal.

DiCaprio is Hugh Glass, a fur trapper traveling with a company of men that are beset upon by a tribe of Arikara that are searching for their elder's kidnapped daughter. After the company is killed down to a mere handful, Glass is viciously mauled by the aforementioned computer-generated bear and left for dead.

Thus, a vast chunk of the movie is spent watching Glass slowly recover from his near-fatal wounds, allowing DiCaprio to utilize an entire spectrum of grunts, moans and screams. Spittle flies from his mouth in unnatural fashion, and his eyes glaze over in response to the innumerable traumas he is forced to experience.

You can tell that DiCaprio physically and emotionally committed himself to this role to the point of being uncomfortable. Many are saying this performance will finally win Leo his Oscar. I'd say it's entirely possible, as his performance doesn't just convey a battered yet determined man, but does so in a completely compelling way. Hugh Glass is not a particularly layered character, but he is, without a doubt, engrossing to watch.

And speaking of engrossing, you ought to see what is captured in-frame. The scenery of Midwestern America is so finely captured and immersive that if snow had started to trickle into the theater, I wouldn't have batted an eye.

Like "The Martian," the film's wide shots expertly and wordlessly convey how stacked the odds are against the protagonist. He is a dot against a vast, overwhelming landscape of snow and towering forests. Once you see shots like this, they go so far as to add to Glass's character by making you realize just how determined he really is.

Also, if "Birdman" (I'm not writing out the subtitle for that thing) taught us anything, it's that director Alejandro G. Iñárritu and his cinematographer, Emmanuel Lubezki, are masters of the long take. Unlike "Birdman," the movie isn't made to look like it was done in one shot, but it is peppered with enough extended takes to evoke the feeling of a physical, theatrical production. They also forgo the eye-gougingly annoying cliché of shaking the camera during the action; everything you see is as clear as the icy rivers Glass drinks from.

But if you'll allow me to be blunt for a moment, let me say this: This film is fucking brutal. Nothing in this film is easy to swallow — not the introductory slaughter, not the mauling, not when Glass treats himself.

The on-screen violence succeeds in shocking you not by becoming over-the-top to the point of hilarity like a Tarantino

THE REVENANT

ARTHUR NGUYEN / DAILY NEXUS

film, but by being unforgivingly, viscerally authentic. If you have a weak stomach and still want to see large bear fights, "Kung Fu Panda 3" just came out.

So, I don't know if I'll see this again any time soon. "The Revenant" is undoubtedly in a master-class of filmmaking, but its on-screen violence is certainly not for the faint-hearted. Those easily offended might opt for something lighter, like maybe "The Texas Chainsaw Massacre." Kidding. Here's hoping a golden statuette finally lands in DiCaprio's lap.

'Room' Leaves Viewers Heartbroken

Antonia Morales
Reporter

Like many of the other astounding independent films that debuted in 2015, "Room" failed to gain attention prior to its release. Despite the setback, the movie has managed to gather the attention of audiences across the world.

In the past, director Larry Abrahamson's films have failed to gain said attention; nevertheless, the film, "Room," continues to receive acclamation from critics. Abrahamson developed his film from Emma Donoghue's novel, *Room*. When writing the film, Donoghue was hesitant about the novel's on-screen adaptation, afraid that it would simply be "a really sappy movie or pervy, grim, voyeuristic one." Nonetheless, the film was electrifying, leading fans to experience a whirlwind of emotions.

The movie stars Brie Larson as Ma and Jacob Tremblay as Jack, both of which have been presented with prestigious awards for their spectacular performances in "Room." As Jack — an easily impressed five-year-old boy — speaks in amazement during the opening scene, the audience is shown scenes of him running around in amusement confined to a 10x10-foot room. Their lifestyle is introduced as being filled with tiresome habits, which becomes evident in seeing that Jack and Ma never leave the condemned area. However, the tone of the film shifts as it reveals that both Ma and Jack have been placed in this room due to a horrific nightmare scenario, causing the audience to embark on a journey filled with despair. Although this may appear to be a vital part of the plot, it pales in comparison to what the rest of the film has to offer.

While in captivity, the protagonists develop a schedule that leads a young and vulner-

able Jack to believe that he is in a safe environment. His imagination engrosses him in a make-believe world that has made him oblivious to the fact that his mother is living a life filled with sorrow. Furthermore, Jack's narrow-minded habits manage to make the audience frustrated as they see he is incapable of handling the horrific reality he lives in; and yet, it is up to him to save what is left of his mother's life. Although the film consists of a rather depressing plot, Tremblay plays a crucial role in helping balance the film with instances of joy. His genuinely effervescent attitude helps keep an ebullient tone. Seeing Jack's exposure to things he never knew existed gives the audience goosebumps, making them reminisce over their childhood with euphoric intensity.

Every scene is indispensable, essential for the next, constantly leaving the audience questioning what will follow. As the film progresses, the audience is forced to separate from a setting, which has constructed a relationship with the viewers. The room is not only a place, but rather a significant part in the lives of both Ma and Jack. Throughout the entire movie, it is referred to as "room," personifying it as if it were a name with feelings and memories attached to it, rather than simply being a place. Regardless of the fact that the setting changes drastically, the mood only escalates to breath-



TARUSH MOHANTI / DAILY NEXUS

taking scenes, showing that Ma is suffering a mental breakdown triggered by leading a life filled with vile experiences.

It is always difficult to believe that what goes on in movies can even come close to being slightly real. "Room" unravels an all-too-realistic situation filled with dire condi-

tions, leading the audience to empathize with those that have to endure a situation similar to the one Ma and Jack faced. Viewers are guaranteed to have an epiphany sparked by the realism that is painted by Abrahamson. Room itself may be small, but the imprint it leaves is enormous.

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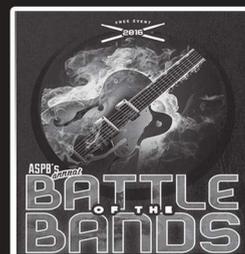
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Super Bowl Snack Attack

Krystal Leong
Staff Writer

The big game is just around the corner, and it just wouldn't be right to watch the game without a proper supply of snacks. Even if you can't be at the game in person, you at least have the freedom to have as much food as you want on hand at home. Once the game is on, you won't want to leave your couch, so make sure you are prepared with all the great food you and your friends can eat. From little snacks to munch on throughout the game to more fulfilling dishes for when the real hunger takes over, these snack ideas will have you covered without making you miss a big play to go make a big meal. Here's a page out of my playbook on how to score a win with your food for the Super Bowl.

Chips and Dip

Chips and dip are a classic must-have when watching the big game. They are the perfect snack, satisfying with their salty goodness, and easy to share. Mix it up with some of the various unique flavors of Lays chips, such as Cheddar & Sour Cream, Honey Barbeque, Salt and Vinegar, Pizza, or Chile Limón, or by providing multiple choices of dips, such as classic salsa and guac, or a spinach and artichoke or cheesy onion dip. If you have a crock pot at your disposal, there are plenty of recipes that involve little more work than throwing a bunch of ingredients in a pot in the morning, leaving you plenty of time to prepare other snacks.

Chex Mix Party Mix

Chex Mix is another great snack to munch on. It is easy to eat and share, and provides a great blend of different tastes and flavors. This snack is easy to make in big batches. My recommendation? Double the called-for Worcestershire and add some hot sauce. If you're not the cooking type, I recommend the prepackaged "Bold Party Blend" for

bold and flavorful. You can also choose a healthier option with their Trail Mix.

Popcorn

Popcorn is another must-have. It is a perfect snack to go along with the halftime show. Super Bowl halftime performances are their whole own show, so enjoy the spectacular music and show with a bowl of classic buttery and light popcorn. Season them with leftover Chex-mix sauce mixture for an added punch.



HANNA MESHHELL / DAILY NEXUS

Wings

It just wouldn't be a Super Bowl party without wings. They may be a little messy, but they're definitely worth it. They are tasty and delicious, and will also be more filling. Try hot and spicy, buffalo, classic barbeque or all of them! To make it a classically Isla-Vista-esque Super Bowl Sunday, make a run to I.V. Deli for some buffalo chicken cheese fries.

Pigs in a Blanket

Pigs in a blanket are another great finger food. It is simple and easy to make. You will still get the fulfillment of a hot dog, but also the sweet and buttery taste of a warm biscuit. They are perfect for sharing at a party with a lot of guests because they are smaller and easy to bake in bulk.

Sliders

Like the pigs in a blanket, sliders are perfect for parties because they are small, but guests can have multiple and be satisfied. These little hamburgers are both cute and delicious, but pack a big punch of beefy flavor. Go with a traditional Hawaiian roll for sweetness, or load up some toasted sourdough bread with avocado and a patty for a more Santa Barbara feel.

Enjoy watching the big game and eating all the great food that goes along with it!

Fun Facts About Football Foods

Preeya Patel
Reporter

It has become an American tradition to sit in front of the TV on Super Bowl Sunday and eat away while anxiously watching the game. However, do you ever feel a little guilty when you're sitting there on the couch, munching through your chicken wings, pretzels and guac while the players on the screen are partaking in an extremely exhausting and body-straining workout? No? Well don't worry, the other 114.4 million of us tuning in to the game annually feel no guilt either. And even if they do, they still don't stop themselves from delving into piles upon piles of food. Super Bowl Sunday comes in at number two for my favorite holidays, next to Thanksgiving. And, yes, I consider the Super Bowl to be a holiday. Coincidentally, the Super Bowl also comes in at number two for the day where Americans consume the most food, with Thanksgiving at number one.

I know, while watching the big game, the last thing on your mind is how many pounds of chicken wings America eats on the big day or who invented this tasty treat. Therefore, I am sharing this information with you before you tune it to watch the Broncos take on the Panthers in San Francisco this Sunday.

Chicken wings are obviously a football favorite, which is why this Sunday Americans are expected to consume around 1.25 billion of them. Delicious and easy to eat, Americans consume wings by the pile; however, few know the history of the chicken wing. According to the *Smithsonian* magazine, Teresa Bellissimo, proprietor of the Anchor Bar, invented the buffalo wing in 1964. There are a few stories going around on why she actually first came to make them. Her husband claims she made the wings on accident, while her son claims she created them as a special treat for some good customers at the bar. Whatever the true story, Americans have come to love the Buffalo wing and have made many variations of it since, making it a Super Bowl Classic.

Chips and guacamole are another fan favorite on the big day as Americans consume around 70 million pounds of avocados. But where did this delicious recipe, that has become a classic dish at America's biggest sporting event, come from? According to the Mother Nature Network, the invention of guacamole dates back to the 14th to 16th centuries when the Aztecs began making a sauce called "ahuaca-mulli," meaning "avocado-mixture." While guacamole was not a very popular dish when it was first introduced in America, within the past several years the consumption has risen immensely.

No Super Bowl feast can be complete without a big bowl of potato chips. Americans consume a shocking 11 million pounds of potato chips on the big day. It has been an American classic for so long, many have never considered its origin. The potato chip was invented in 1853 in Saratoga Springs, New York. Chef George Crum served a customer his classic thick cut French fries. After a customer rejected the fries, claiming they were too thick, Crum decided to taunt the customer by serving him fries that he sliced extremely thin. However, the customer loved the paper thin potatoes. While Crum's plan to taunt the customer backfired, he unintentionally invented the potato chip.

Now, when you sit down on Sunday afternoon, ready to enjoy your feast and of course the game as well, you can sit there knowing where your smorgasbord of American classics originated from.

Jazz Up Halftime with Jambalaya

Marisa Ratchford
On The Menu Editor

I know the last thing anyone wants to do on Super Bowl Sunday is whip up a four-course meal. However, one can only sustain themselves on chips and beer for so long before their stomachs crave something a bit more substantial. So when the time comes and your tummy revolts against the salty and satisfying potato chip, what are your options? You could just heat up a frozen burrito and call it a day, but what's the fun in that? On this special day, you should celebrate your own touchdown with this recipe.

This recipe is relatively simple and requires very little expertise in the kitchen so even you not-so-kitchen-savvy bros can chow down on some jambalaya as if it is straight from the bayou.

Ingredients:

1 red bell pepper, diced
1 green bell pepper, diced
1 tsp. of vegetable oil
¾ water
1 package of Zatarain's New Orleans style Jambalaya Mix
1 can of diced tomatoes with chili
1 package of MorningStar Grillers Recipe Crumbles

In a large sauté pan, heat the vegetable on medium high heat, then add the bell peppers and cook for three minutes, stirring often.

In a separate pot, bring the water to boil, and add the rice mixture. Cover the pot and let simmer until rice is soft and cooked through.

In the pan with bell peppers, add the rice, griller crumbles and tomatoes. Mix it well and cook through evenly for about five minutes.



MARISA RATCHFORD / DAILY NEXUS

SCIENCE & TECH

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Clam-tastic Solar Power Technology



Photo Courtesy of Dan Morse

Giant clams reflect white by color mixing analogous to RGB-pixelation in televisions, cell phones and other electro-optical displays. As one component of this mechanism, bright blue reflects from nano-scale structures in cells of a giant clam's epithelium.

Lawrence Esbig
Reporter

Novel innovations in solar power could come from a surprising source: the giant clam, and more specifically, its iridescent cells. Amitabh Ghosal, a postdoctoral fellow at UCSB's Institute for Collaborative Biotechnologies, and Elizabeth Eck, a CCS physics graduate and the College of Creative Studies' top graduating senior last year who is now in her first year in graduate school at UC Berkeley, recently discovered the mechanism involved in the giant clam's ability to reflect white light through a process that mirrors that of RGB pixelated electro-optical displays, the same process used in TV, computer and smartphone screens.

Giant clams contain light-reflecting cells, called iridescent cells, on their exposed epithelium that allow the giant clam to reflect incoming sunlight into vivid shades of gold, blue and green. The giant clam can mix and reflect these colors together to produce white light, which the giant clam also can

direct into its algae-containing tissues, aiding the algae in photosynthesis. The giant clam can also use this same process to direct sunlight away from its exposed flesh when solar rays become harmfully excessive, a condition common in its shallow water, equatorial environment.

Using a combination of microscopy and spectroscopy with an instrument he designed and built for these investigations, Ghosal discovered two different mechanisms by which giant clams reflect white light. Both mechanisms depend on multilayered discs containing a unique protein called reflectin. The discs act as Bragg reflectors, structures that reflect different wavelengths or colors of light depending on their thickness and spacing.

Ghosal found that some of these reflective colors in iridescent cells operate analogously to TV screens, smartphones and tablets. Patches of white created by the mixing of different colored reflective cells in giant clams work in a way that is analogous to how electronic RGB technology mixes colored pixels together to produce white light.

"In *Tridacna maxima*, each individual iridescent cell reflects a single unique color, but these iridescent cells, when clustered together, collectively reflect white light, while in a closely related species such as *Tridacna derasa*, the Bragg reflectors are spatially heterogeneous with differences in disc density and spacing reflecting different colors in the same cell," Daniel Morse, director of the research and professor emeritus of biochemistry of molecular genetics at UCSB, said. "When looking through the individual cell with a microscope, you can discern the different colors present within the cell, but macroscopically, the cell looks white."

The reflectors act simultaneously as a sunscreen, protecting the algae and their animal host from physiological damage from too much sunlight, while at the same time redirecting sunlight to uniformly illuminate the vertical columns of algal cells deep within the clam tissue.

"The majority of photons that hit the epithelial cells are directed deeper into the clam tissue. The angles at which the photons are directed downward into the tissue uniformly illuminate columns of algae within the tissue," Morse said. "These algae live and grow, forming dense colonies organized in thin vertical columns. This process, known as Mie scattering, by which the iridescent cells scatter sunlight forward into the giant clam's interior, ensures that all the algae get the optimal amount of sunlight for photosynthesis — not too much, and not too little. This gave us a clue for redesigning solar cells to produce electricity more efficiently, using the trick that evolved in the giant clams."

Mie scattering technology allows researchers to produce power through solar cells in a more efficient manner by maximizing output from a smaller area than current technology.

"Putting Mie scatterers on top of solar cells analogous to the giant clam to get light directed at multiple angles inside while also organizing the solar cell's photoreceptors vertically instead of in the conventional two-dimensional flat layer could allow us to produce three-dimensional solar cells," Morse said. "By using three dimensions to pack more solar-collecting molecules than in the typical 2-D solar cell, more power could be produced from a much smaller area than the area currently used by solar farms, thus improving efficiency, lowering costs per watt and, ultimately, lowering the amount of surface area required for solar power plants."

The MCDB-ICB research team is currently collaborating with Guillermo Bazan, Ph.D., at UCSB's Department of Materials and Chemistry & Biochemistry, and Jon Schuler, Ph.D., at UCSB's College of Engineering, to develop more efficient solar cells using the same principals that were first discovered in the giant clam.

The Search for Dark Matter

Stephanie Pernett
Staff Writer

One of the greatest mysteries in modern astrophysics is dark matter. While it makes up about 80 percent of the matter in the entire Universe, its detection has eluded physicists and scientists since it was first hypothesized. Dark matter has never been directly detected, but the Large Underground Xenon (LUX) dark matter experiment is determined to change that.

Postdoctoral candidate and UCSB researcher Carmen Carmona, who has been a part of the research team since 2009, explained how the experiment is set up.

In a time-projection chamber one mile underground "we have liquid xenon, and on the top there is some xenon gas. So when a particle interacts the xenon, it produces some light and electrons and we can detect this light with photomultipliers, a device that detects light. We have that on the bottom and top of the chamber. By detecting the light and the electrons, we can differentiate between different kinds of particles," Carmona said.

Carmona and her colleagues are looking for dark matter in the form of W.I.M.P.s, weakly interacting massive particles.

"It's going to act like a neutron, so neutrons act as a background for us. We'll study and reduce the neutron interactions rate, but [the neutrons] help us understand the signal we're expecting," Carmona said.

These particles rarely interact with ordinary matter except through gravity; dark matter has only been observed through its gravitational effects on galaxies and clusters of galaxies, leading researchers to believe that W.I.M.P.s are the leading candidate for dark matter. However, this is considered indirect evidence since they have not been seen as they do not emit light.

Since it has first started taking data in April 2013, researchers from 18 institutions across the U.S. and Europe, including physics professor Harry Nelson and Carmona, have been working on the LUX detector to make it even more sensitive to the light given off by the xenon atoms.

LUX scientists calibrated their detector using neutrons as a replacement for dark matter particles.

The interactions between the neutrons and the xenon atoms allowed scientists to quantify how the LUX detector responds to the recoiling process. Researchers see this process as a game of pool.

With the neutron as the cue ball and the xenon atoms as the solids and stripes, they are able to track the neutron in order to get details of the xenon recoil. This information and technique calibrates the detector to the dark matter signal they expect to see, as the interactions between the two atoms is thought to be similar to the interaction of dark matter and xenon.

LUX scientists have also been able to calibrate the detector's response to the deposition of small amounts of energy by struck atomic electrons by temporarily injecting the chamber with some radioactive gases.

These improvements, along with advanced computer simulations at Lawrence Berkeley National Laboratory and Brown University, allows scientists to test additional particle models for dark matter that can be excluded from the search.

The LUX experiment is currently on its long run of 300 days and is expected to end by this summer, after which it will be decommissioned to make way for the much larger xenon detector, LUX-ZEPLIN, or LZ.

"The people from LUX joined the collaboration from ZEPLIN III. ZEPLIN is mainly groups from the UK. We joined together to make a bigger detector that is called LZ," Carmona said.

LZ will contain about seven tons of xenon, about 40 times the initial volume of LUX.

"We're working on designs and buying the parts," Carmona said. "We have to do some remodeling of the lab and we're thinking the LZ detector will be underground in 2018 and then in 2019, we should be able to commission the detector."

Professor Nelson, who is a spokesperson for LZ, has commented that the LUX experiment has set the foundations for the LZ experiment. LZ should be able to achieve over 100 times the sensitivity of LUX.

Along with Nelson and Carmona, other LUX scientists and researchers here at UCSB include physics professor Michael Witherell, Senior Development Engineers Dean White and Susanne Kyre and graduate students Scott Haselschwardt and Curt Nehr Korn.



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Email matt@campwaynegirls.com

DAILY HOROSCOPE

Aries (March 21-April 19) -- Today is a 9 -- Venus enters Taurus on Tax Day. This next month can be even more profitable. Use what you've learned to gain confidence. Carefully research your market with the latest analytics. Get expert help.

Taurus (April 20-May 20) -- Today is a 9 -- You're lucky in love these days, with Venus in your sign. It's easier to make money, too. Splurge on a haircut or spa visit. The trick is to feed your soul and stomach simultaneously.

Gemini (May 21-June 20) -- Today is a 9 -- Fantasies abound this next month, and your dreams will be sweeter. Grasp every opportunity that comes your way. You won't be tempted to wear your heart on your sleeve; quiet time is productive.

Cancer (June 21-July 22) -- Today is a 9 -- It may surprise you, but you'll be quite popular for the next four and a half weeks. Go out more often, strengthen your social infrastructure and grow your career. Communicate clearly. Smile.

Leo (July 23-Aug. 22) -- Today is a 9 -- Today is an excellent day to make romantic commitments. Take on more responsibility. Grab an opportunity. List problems to solve and benefits. Teamwork is extra effective.

Virgo (Aug. 23-Sept. 22) -- Today is a 9 -- The coming days are good for setting goals and acting on them. Let a creative partner take the lead. Collect an old debt or a windfall profit, and count your assets.

Libra (Sept. 23-Oct. 22) -- Today is a 9 -- It's easier to save and increase your assets. Consider personal decisions. Make plans together with someone fun, and make time to play. Find a sweet deal. Accept a good offer.

Scorpio (Oct. 23-Nov. 21) -- Today is a 9 -- Partnership and compromise come with greater ease. Collect the benefits that you've earned. The solution becomes obvious. Put in extra energy. Research how to accomplish your specific goals.

Sagittarius (Nov. 22-Dec. 21) -- Today is a 9 -- There's more fun work on the way. Friends help you advance. Share the credit. Caution brings greater success; take it slow in a hurry. You're gaining wisdom, and romance flowers.

Capricorn (Dec. 22-Jan. 19) -- Today is a 9 -- You're especially lucky for the next month, in love and negotiations. Expand your horizons. Let yourself be persuaded by passion and compassion. Keep your promises and work your plan. Let your imagination lead.

Aquarius (Jan. 20-Feb. 18) -- Today is an 8 -- Focus on household improvements. Or learn to make something you used to buy. You're gaining skills. Your home can become your love nest, without great expense. Modify ideals.

Pisces (Feb. 19-March 20) -- Today is an 8 -- Study opens entertaining new doors. Get creative with the details. Make necessary adaptations. Consider an interesting proposition. Use money to make money. Rely on those you trust.

ACROSS

- 1 Bouncing toy
- 5 What waiters wait for
- 9 Finishes making, as a black-and-white cookie
- 13 ___ vera lotion
- 14 Length times width
- 15 Arm of a sea
- 16 *Evangelist honored with a basilica in Venice
- 18 Resell at a big profit
- 19 Flatter the boss for personal gain
- 20 English class assignment
- 22 Huck Finn's ride
- 25 Astrological edges
- 27 Pyromaniac's crime
- 31 Lock horns (with)
- 33 Figs. well above 100 in Mensa
- 35 Marsh grasses
- 36 BBC nickname, with "the"
- 37 Juan's water
- 38 Spawned
- 39 Ice show site
- 40 "Hud" Best Actress Patricia
- 41 Yours and mine
- 42 Dean's ___
- 43 Inelegant laugh
- 44 ICU personnel
- 45 Campaign sticker, e.g.
- 46 Cold hard cash
- 47 Cubes in a bowl
- 49 Folk icon Seeger
- 51 Spiteful, as gossip
- 53 Antitheft noisemakers
- 58 Bracelet today
- 60 Cry heard today, and a hint to the ends of the answers to starred clues
- 63 Deep trepidation
- 64 Not hypothetical
- 65 "Not only that ..."
- 66 Mayo holders
- 67 Beaver-built barriers
- 68 Conserve energy

DOWN

- 1 Soak up the sun
- 2 Jai ___
- 3 Superman's Lane
- 4 Binoculars part
- 5 ___ Bay Rays
- 6 Composer Gershwin
- 7 Pay-___view
- 8 Sushi bar cupful
- 9 Machu Picchu builders
- 10 *Trapshooter's target
- 11 Snakelike swimmer
- 12 Longtime auto racing sponsor
- 15 Newsletter edition
- 17 Spins in board games, say
- 21 Reef explorer's gear
- 23 Seamstress's purchase
- 24 *Tapped maple fluid
- 26 Unhip type
- 27 Ann ___, Michigan
- 28 "Seinfeld" episodes, now
- 29 *Lightweight, crinkled material used for suits

- 30 Betting info
- 32 Soft-hearted
- 34 Thirst-inducing, like potato chips
- 37 Year, on monuments
- 39 Vigilant
- 43 Aroma
- 45 Passé
- 48 Grand parties
- 50 Coin toss choice
- 52 Scotland ___
- 54 Quite a distance
- 55 Actor's cameo, e.g.
- 56 Forest-floor plant
- 57 One-armed bandit
- 58 Descriptive wd.
- 59 Org. that created American Hunter magazine
- 61 Potpie veggie
- 62 Chrysler truck that sounds hard-hitting

ANSWER TO PREVIOUS PUZZLE:

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xwordeditor@aol.com 04/01/13

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By Patti Varol (c)2013 Tribune Media Services, Inc. 04/01/13

SUDOKU

THE SAMURAI OF PUZZLES By The Mepham Group

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SOLUTION TO MONDAY'S PUZZLE 4/16/13

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2	3	1	6	9	7	8	5	4
1	8	6	7	4	9	2	3	5
4	7	2	8	5	3	6	1	9
3	5	9	2	1	6	7	4	8

Complete the grid so each row, column and 3-by-3 box (in bold borders) contains every digit, 1 to 9. For strategies on how to solve Sudoku, visit www.sudoku.org.uk

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OPINION

OPINION@DAILYNEXUS.COM

DON'T THROW AWAY THAT IPA

Entrance into the legal realm of 21 does not simply mean a free pass into bars and clubs — it is much better than that. There is no longer a need to binge on piss water. That's right! The selection of beers is wide and vast for those seeking an escape from the mundane. No longer will beers such as Busch, Keystone Light or the newly popular Kirkland brand be forced down your thirsty guzzle. Take a walk into our local Keg and Bottle and you will find the Holy Grail of IPAs, or Indian Pale Ales. Do not fear these delightfully dark masterpieces. Instead, venture beyond the racks and discover a new taste and new type of buzz.

From what I have encountered, most people shy away from IPAs — the words “they're too strong” seep from their lips. Never can a beer be too strong. In fact, it is better, in my opinion, to have a strong beer because you will only need one or two to get nice and lit. But what exactly makes an IPA an IPA, with its dense taste but lasting smoothness?

As many of you history majors may know, when traveling across seas in the early centuries (those damn colonial imperialistic days), water would be kept in wooden barrels and would have the possibility of becoming poisoned. The water would start to contain microorganisms that I'm sure would definitely give you the runs worse than any hangover possibly could. So, what was the solution? Mead water, of course. Hops were added to the water due to their anti-microbial properties. In reality, the hops would not make the beer any stronger than seven percent ABV, or alcohol by volume. In fact, a stronger beer would cause residual sugars, which attract those nasty microbes. So, what happened when the trips became longer? Add more hops, obviously. This is how IPAs got their name. Voyages to India lasted much longer, so it was necessary to add larger quantities of hops to ensure the safety and hydration of these ancient voyagers, circa 1770s. They can still be found presently, but they're nicely bottled and sold for about \$10 on board.

There are three types of IPAs. First, an American-Style IPA. These beers tend to be more flavorful and are a reddish amber or pale golden color. An example of this type is Redhook Long Hammer IPA. This IPA is 6.20 percent ABV. Thus, a 12 oz normal bottle of Long Hammer would be 6.20

percent alcohol, so when you go and buy a 23 oz from PMH you're getting about 12 percent of alcohol served to you — for \$3, don't forget. Six dollars toward these babies and you're going to have a pretty damn good time. Next is the English Style IPA. Goose is one of my favorite English IPAs, at 5.90 percent ABV. It seems that America has again overshadowed the English. If you're on the hunt for a glass of this smooth Goose, head into Dublins right on the corner of Pardall, where you will find this bird on tap.

Lastly, if you really want to get a nice buzz and maybe some sleepy eye action, a double or imperial IPA will be the best bet. This is not your grandfather's IPA. Woodstock's carries a great Imperial

IPA known as Double Jack. Brewed by Firestone Walker, our neighboring brewery, Double Jack is a whopping 9.50 percent ABV. This is the Holy Grail, and I have had a chance to taste this malicious masterpiece. Unfortunately, I was unable to enjoy this brew at Woodstock's because I was on the go. However, I was able to find it on the shelf at K&B for around \$7, or so — the same price you would find about anywhere else on tap.

I drink a lot of IPAs; hell, I just drink a lot in general. This one in particular is incredibly smooth and does not have that bitter taste we are all so familiar with when drinking an IPA. I attended a small gathering with my jewel in hand and instantly I felt much more sophisticated than everyone else. If that sounds snobbish, then so be it, but I was not about to drink toilet water when I had a 9 a.m. the next morning. If I was going to go out and sacrifice my 10 hours of sleep, then I was going to make it worth it. The beer is really good, honestly. It does not have an extreme hoppy-ness to it, but it is not very light, either. It also does not give you an instant headache. I drank the IPA moderately, not looking to get plastered, but if I had the chance I would have definitely downed that thing and gotten a pretty nice high. The next time you have a chance to try something new, especially if you are approaching the legal age, try an IPA. Maybe not a double right away, but walk



TARUSH MOHANTI / DAILY NEXUS

into one of our local I.V. bars and ask what IPAs are on tap. You never know, you might actually learn to like the once-known-as-a-too-strong-of-a-beer IPA.

If you still aren't brave enough to try beer distinguishable from tap water, Amanda Quick will generously accept donations of Kona Castaway IPAs.