

**UCSD**

# Cancer Center in Nevada to Stay Open

BY EMILY PHAM  
*Staff Writer*

The UCSD-owned Nevada Cancer Institute in Las Vegas will stay open during the holidays, despite conflicting reports that the center would shut down or be sold to Nevada's largest cancer treatment provider, the Comprehensive Cancer Centers of Nevada (CCCN).

UCSD will lease one-third of the center to CCCN and will partner with two other Nevada cancer companies — a research institute and a cancer screening institute — to keep its doors open. CCCN, the main partnering company, will take over operations as part of the agreement. According to UCSD Dean of Clinical Affairs Tom McAfee, the partnership is intended to reform and expand the Nevada Cancer Institute.

CCCN will occupy 42,000 square feet of the 150,000-square-foot Nevada Cancer Institute next year. As part of the partnership agreement, UCSD will establish an aca-

See **NEVADA** page 3

**CAMPUS**

# CRAFTS CENTER MAY REOPEN

A UCAB fee referendum will determine the fate of the recently closed center and its programs.

BY HEIDI KIM • *Staff Writer*



BRIAN MONROE/GUARDIAN

UCSD's Crafts Center may reopen after a September announcement that it would be closed during the 2012-13 academic year. However, because of the current budget situation of University Centers, the Crafts Center will only reopen if there is enough support from students.

The center was temporarily closed on Sept. 26 to grant time to determine whether the facility could be renovated and to figure the cost of maintenance. Approximately \$1.5 million is required to complete repairs, in addition to \$212,000 in annual operating expenditures.

The decision to close the center came after students had already registered for programs and classes.

"The Crafts Center closure was a hard decision to make, but keeping it open and running after the facility analysis reports were released was not a feasible option," University Centers Interim Director Sharon Van Bruggen said. "Frankly, its reopening will be difficult based on the way our budget currently stands and previous student interest in the service."

Van Bruggen said that while reopening the center is not impossible, its future depends on demonstrated student interest and willingness to pay.

The Guardian previously reported that student interest and

See **CRAFTS CENTER**, page 3

## THE SIXTH SENSE OF SPIRIT



UZAIR MOHAMMAD/GUARDIAN

Sixth College held its annual Spirit Rally near the Sixth Apartments November 18.

**ACADEMIC AFFAIRS**

# Biology Majors See 1,500 Student Drop

BY MEKALA NEELAKANTAN  
*Staff Writer*

The number of students who are declared biology majors at UCSD have dropped by around 1,500 since 2008. The Division of Biological Sciences, ranked 15th in the nation by U.S. News and World Report and UCSD's most popular academic department, has had a role in the decrease of biology students because of new enrollment limits enacted in recent years.

In 2008, the department struggled to find physical space for the influx of biology students in its classes. As a result of physical limitations, the division declared an "impacted" status for freshmen in 2009 and for transfer students in 2011. This meant that admission into the division would be limited and would be determined through a comprehensive review process and availability terms, with the possibility of appealing to enter the

division.

Since then, according to new data released last month, enrollment in the Division of Biological Sciences has decreased from 5,294 to 3,781 undergraduate biology majors.

Between 2002 and 2007, the Division of Biological Sciences saw a 60 percent increase in undergraduate biology major enrollment — the peak population of biology majors came in the fall of 2008, with 5,294 undergraduates entering the division.

In an attempt to accommodate the increased amount of students entering the division, administration increased the total number of division courses by approximately 80 percent and lengthened laboratory hours to maximize lab courses.

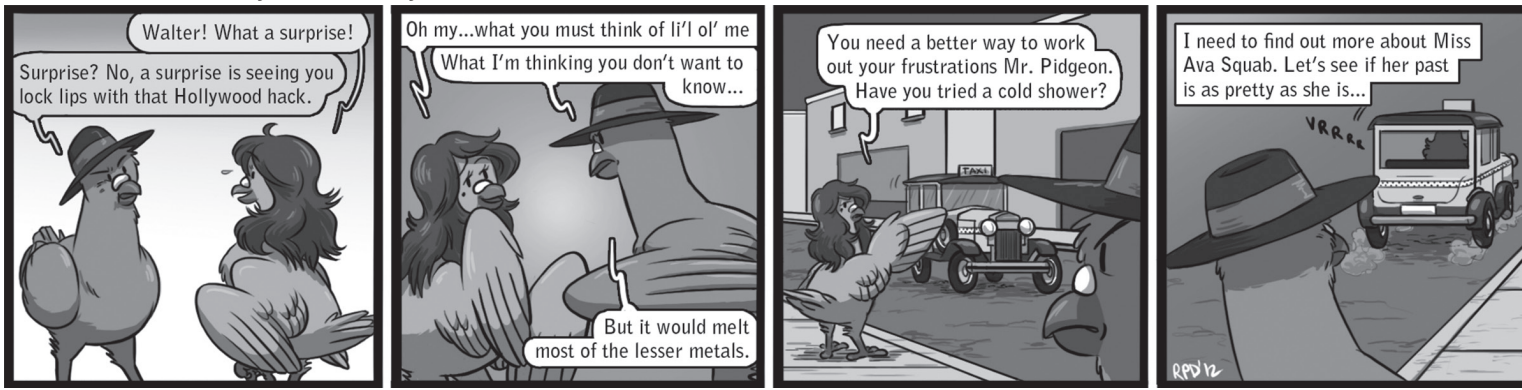
"During this period of extraordinary growth in student enrollments, we made every effort to maintain a quality student experience for our

See **BIO** page 3

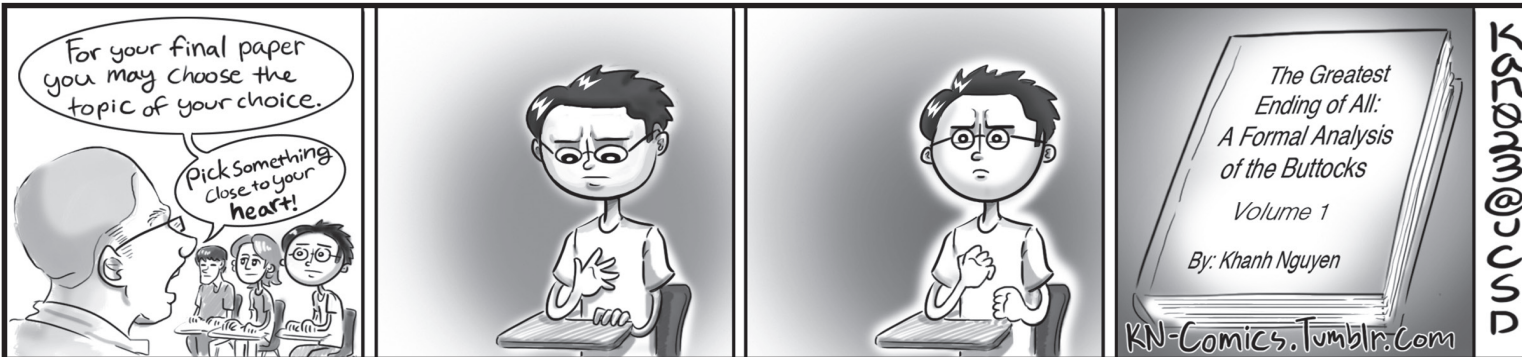
<p><b>SPOKEN</b></p> <p>“The biggest thing for us right now is working on our defense, because the offense is there.”</p> <p><b>JAMES MCCANNJ</b>              Position Title</p>	<p><b>FORECAST</b></p> <p><b>MONDAY</b>              H 64 L 50</p> <p><b>TUESDAY</b>              H 66 L 52</p> <p><b>WEDNESDAY</b>              H 65 L 53</p> <p><b>THURSDAY</b>              H 65 L 53</p>	<p><b>NIGHT WATCH</b></p> <p><b>MONDAY</b></p> <p><b>TUESDAY</b></p> <p><b>WEDNESDAY</b></p> <p><b>THURSDAY</b></p>	<p><b>SURF REPORT</b></p> <p><b>MONDAY</b>              Height: 1 ft.              Wind: 1-8 mph              Water Temp: 64 F</p> <p><b>TUESDAY</b>              Height: 1 ft.              Wind: 4-6 mph              Water Temp: 64 F</p> <p><b>WEDNESDAY</b>              Height: 1 ft.              Wind: 3-10 mph              Water Temp: 64 F</p> <p><b>THURSDAY</b>              Height: 2-3 ft.              Wind: 4-10 mph              Water Temp: 64 F</p>	<p><b>GAS PER GALLON</b></p> <p><b>LOW</b>  <b>\$3.55</b>              Qwik Korner, Escondido              501 W 9th Ave. &amp; S Pine St.</p> <p><b>HIGH</b>  <b>\$4.79</b>              76, Coronado              900 Orange Ave &amp; 9th St.</p>	<p><b>INSIDE</b></p> <p>Birdland .....2</p> <p>Lights &amp; Sirens .....3</p> <p>Bro's Eye View .....4</p> <p>Letter to the Editor .....5</p> <p>Uncommon Folk .....7</p> <p>Crossword .....14</p> <p>Sports .....16</p>
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## BIRDLAND By Rebekah Dyer



## VISUAL DIARY By Khanh Nguyen



## BRIEFS BY Rebecca Horwitz, Associate News Editor

► Governor Jerry Brown appointed Paula S. Rosenstein to the San Diego Superior Court this week. Rosenstein, a UCSD alumna, will become the court's only openly gay justice when she takes over for the retiring Judge Linda B. Quinn. Rosenstein previously worked as a San Diego attorney and holds a law degree from the University of San Diego School of law. She graduated UCSD with her B.A. in 1982.

► A Mission Hills resident said this week that he is suing the City of San Diego for injuries he sustained when a palm tree fell and crushed his legs. According to U-T San Diego, Michael Burke's lawsuit against the city could cost San Diego several million dollars. Burke has blamed city budget cuts for the accident, where an allegedly dead tree near his house snapped and fell on him in 2010.

► The Navy plans to stop training dolphins to find underwater mines and to keep enemy swimmers away

from their warships. The Navy has been using dolphins to help them since 1960. They use dolphins for their sonar capabilities and deep diving physiology. The program will be closed within the next five years because technology has advanced over the need for mammals. The Navy will continue to care for the 24 bottlenose dolphins currently in their Navy Marine Mammal Program.

► Police found the remains of Frederick Hengl's wife cooking in the oven of their house on Nov. 23. Officers responded to a complaint filed by neighbors about the foul odor coming from the house. Investigators also found his wife's head in the freezer and dismembered body parts in cooking pans in the kitchen. Investigators believe he killed his wife, Anna Faris, between Nov. 1-6. Hengl and Faris were previously known to the police because Hengl wandered around the neighborhood dressed like a woman, and Faris would stand on street corners with a knife.

## Other Departments to Offer Crafts Classes

► **CRAFT CENTER**, from page 1

activity in the Crafts Center has slowly decreased in recent school years, with 79 fewer students enrolled in crafts classes in 2011-12 than in 2004-05.

Operating the Crafts Center would only be possible through the University Centers Advisory Board's referendum in question. The funds to keep the Crafts Center running would come from UCAB's referendum, which would increase student fees to maintain and renovate University Centers, which include Price Center and Student Center.

Student interest and usage, facility costs, and funding for operations will determine whether the Crafts Center can be reopened. UCAB has spoken with students, community members, and organizations to receive help in maintaining the Crafts Center's operations. UCAB has spoken with UCSD Extension and UCSD Recreation to see their potential interest in operating crafts programming, along with student and community members to

increase fundraising efforts.

As mentioned in the potential referendum, the costs to renovate the Crafts Center and run the facility are a part of the fee increase discussions. If the referendum fails to pass and the students do not approve a fee increase, UCAB will consider alternative ways to address the budget situation.

"I think we would have to see a lot of student support for its reopening," UCAB President Albert Trujillo said. "We would also probably look at how the Crafts Center intends to increase its sales and attract more people to take workshops and classes."

Until the Crafts Center is renovated, crafts classes may be offered on campus in different locations, such as photography classes offered at Student Center. University Centers, UCSD Recreation, and UCSD Extension are discussing the possibility of offering Crafts Center programs through alternative outlets.

Readers can contact Heidi Kim at hek023@ucsd.edu

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**LIGHTS & SIRENS**

**Thursday, November 15**

**6:48 p.m.: Burglary alarm**

▶ A former employee entered the Crafts Center. *Report taken.*

**Friday, November 16**

**8:35 a.m.: Medical aid**

▶ A male subject was having a seizure on an MTS bus on North Torrey Pines Road. *Transported to hospital.*

**8:41 a.m.: Person down**

▶ A suspicious person was lying at the bottom of a hill at La Jolla Village Drive. *Field interview administered.*

**11:41 a.m.: Citizen contact**

▶ A female was vomiting inside a vehicle at Campus Service Complex Building A. *Checks OK.*

**11:33 p.m.: Injury**

▶ A young adult female at the intersection of Gilman Drive and Myers Drive who had been drinking fell in a bathroom and hit her head. *Transported to hospital.*

**Saturday, November 17**

**5:00 p.m. - 1:20 a.m.: Vandalism**

▶ An unknown person "damaged and removed" the victim's window and window screen at Marshall Residence Halls. *Report taken.*

**1:42 a.m.: Disturbance**

▶ Two people at Tamarack Apartments were "getting ready to fight." *Information only - suspects left.*

**11:30 a.m.: Welfare check**

▶ A parent at Meteor Hall was unable to contact his or her son. *Information only.*

**Sunday, November 18**

**1:19 a.m.: Disturbance**

▶ A minor male student at Lot 208 was arrested for driving with a blood alcohol level above .00. *Closed by adult citation.*

**1:22 a.m.: Traffic stop**

▶ Someone was throwing eggs at vehicles on the intersection of North Torrey Pines Road and Pangea

Drive. *Field interview administered.*

**9:45 a.m.: Information**

▶ A "possible psych subject" at Ralphs was yelling out "threats of harm to self and others." *Information only.*

**10:23 p.m.: Fire**

▶ There was a large amount of smoke inside a room at Goldberg Hall, and there was an odor of marijuana. *Report taken.*

**Monday, November 19**

**2:30 a.m.: Welfare check**

▶ A young adult female at The Village Building 1, possibly drunk, was "acting strange and breathing funny." *Checks OK.*

**6:09 p.m.: Information**

▶ A group of people on the top floor of Gilman Parking Structure were "singing." *Information only.*

**6:38 p.m.: Non-injury accident**

▶ A vehicle and a bicycle collided on Scholars Drive North by The Village, but there was only property damage. *Information only.*

**Tuesday, November 20**

**9:56 a.m.: Welfare check**

▶ A male was lying on the ground near a bus stop bench at Gilman Drive. *Unable to locate.*

**3:41 p.m.: Medical aid**

▶ A student at York Hall felt sick after coming into contact with an "unknown chemical" in a lab. *Referred to other agency — EH&S.*

**6:15 p.m.: Disturbance, juvenile**

▶ A male juvenile at Thornton Hospital was refusing to get into a car with his mother. *Information only.*

**11:06 p.m.: Citizen contact**

▶ There was a smoke check at Sixth College Residence Halls, but the subject claimed to be "burning miscellaneous items out of boredom." *Report taken.*

—SARAH KANG  
Staff Writer

*Nevada Cancer Center Will See Layoffs in New Partnership*

▶ **CANCER**, from page 1

demic program in Nevada and offer options to CCCN patients that they previously did not have without the partnership.

"For example, if you need a bone marrow transplant, that's something that's not available in Las Vegas, but it is available at UCSD," McAfee said in a Nov. 16 North County Times article. "UCSD says [its] Nevada presence will continue."

UCSD will also offer genomic sequencing, early-stage clinical trials and services that are otherwise unavailable in Las Vegas, according to a statement by UCSD Health Sciences Communications Director Jacqueline Carr.

When it opened in 1974, the Nevada Cancer Institute consisted of an independent oncology practice and several medical offices. However, after it accumulated almost \$100 million in debt from Bank of America to keep itself afloat, the center had to file for Chapter 11 bankruptcy on Dec. 2 of last year, according to the Las Vegas Review-Journal. UCSD then bought the center out of bankruptcy for \$18 million in January 2012. The purchase included an agreement that the center would donate \$20.8 million to UCSD over a five-year span.

"We purchased two assets: a med-

ical offices building and an oncology practice, which consisted of six oncologists," McAfee said. "The six oncologists were losing money because they lost most of their referral base."

After purchasing the Nevada Cancer Institute, McAfee said, UCSD tried to restore the oncologists' referral base, but was relatively unsuccessful. Faced with new California tax rule changes that amassed over



**We're not terminating our role. Our role is evolving. We're going to be more of an academic presence."**

—UCSD Dean of Clinical Affairs  
Tom McAfee

\$10 million in costs along with new management and the rising cost of drugs, UCSD could not compete with CCCN.

"The Comprehensive Cancer [Center] Network owns 50 percent of the share in Las Vegas," McAfee said. "We looked to other community services in order to compete against

CCCN. It turns out the other smaller practices were not good to compete."

One of UCSD's goals in purchasing the center was to expand the patient pool for the researchers at Moores Cancer Center. However, because the Nevada Cancer Institute practices were very small, there was not a significant increase in patients over the eight months after UCSD purchased the center, McAfee said.

Instead of deciding to out-compete CCCN, UCSD joined it, according to McAfee.

The new partnership will displace some of the Nevada Cancer Institute staff by Dec. 31, and CCCN staff from nearby branches will be added. According to McAfee, some of the staff will be downsized even sooner. UCSD does not plan to close the Nevada Cancer Institute during the transition.

"We're not terminating our role," McAfee said. "Our role is evolving. We're going to be more of an academic presence."

McAfee said that UCSD plans to finish negotiations with the three institutes by the end of December, and slowly transition the CCCN staff into these institutes during the first quarter of 2013.

Readers can contact Emily Pham at e4pham@ucsd.edu

*New Additions to Biology Department Might Ease Restrictions*

▶ **BIOLOGY**, from page 1

undergraduate majors," Division of Biological Sciences Associate Dean for Education Gabrielle Weinhausen said. "Because of the continuous growth in our undergraduate population, even these measures were insufficient."

At this time, because of the division's impacted status and the reduction in the number of enrolled under-

graduates, students within the division are able to register for courses without insufficient facility problems.

"Ever since my first year, everyone knew that, because of university budget cuts, classes were getting cut, but I think the Division of Biological Sciences did a really great job of maintaining classes so that all biology majors could graduate on time," Biological Sciences Students Association Co-President Kit Wu

said.

However, the division hopes that lab courses, classroom space and other resources will become available in the future. The administration hopes that new space availability can ultimately enable the department to lift its impacted protocol.

Readers can contact Mekala Neelakantan at mneelaka@ucsd.edu

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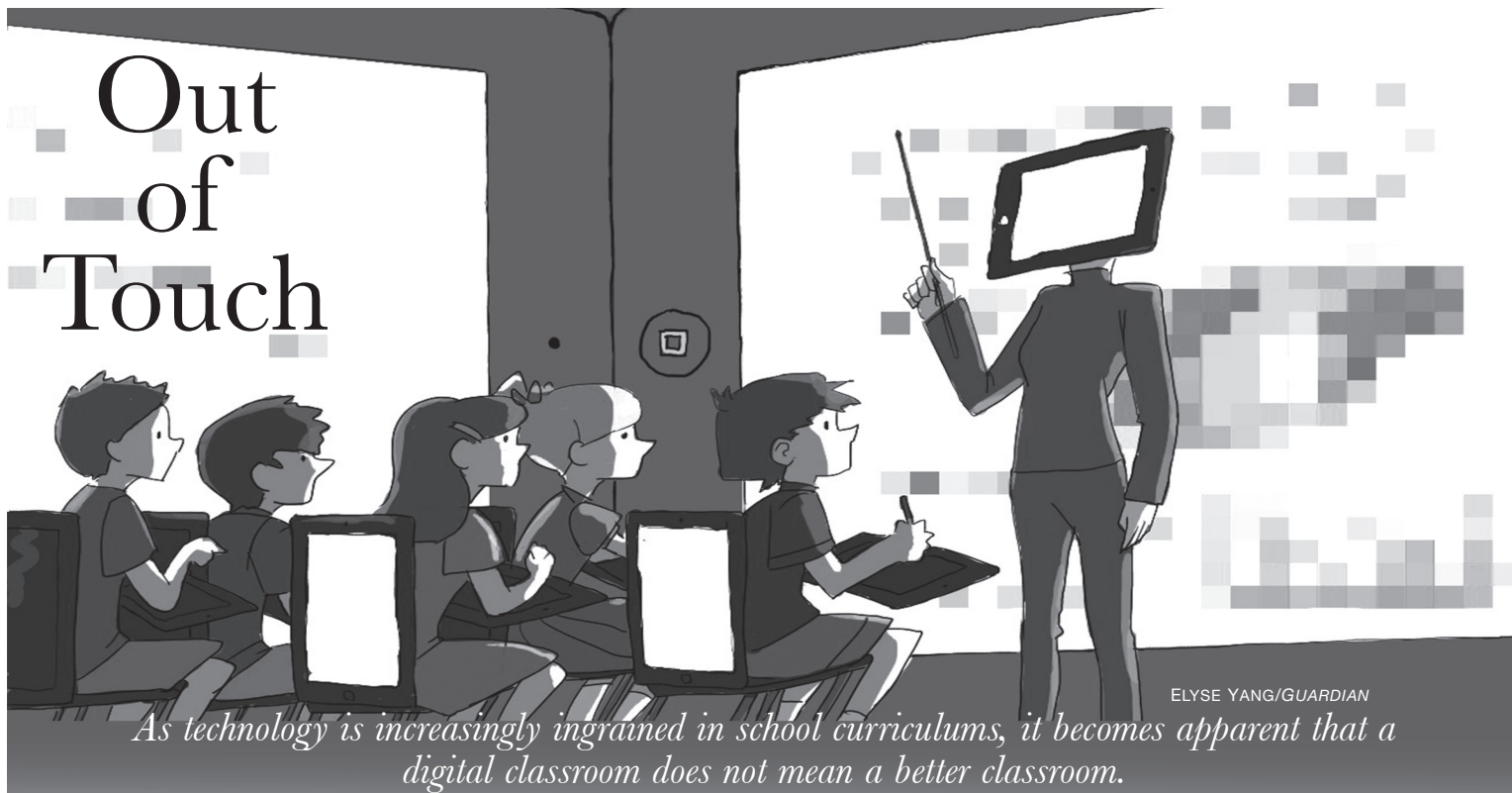
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CONTACT THE EDITOR **MADLINE MANN**  
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# OPINION



BY KELVIN NORONHA • CONTRIBUTING WRITER

Across the nation, elementary schools to universities are eager to join the classroom technology trend. Fuzzy overhead projectors and physical textbooks are being swiftly replaced by more effective document projection camera systems and interactive Web-based learning activities. The new equipment saves time and makes note taking easier, while websites such as Khan Academy and Connect are touted as the future of the education industry. This excitement, however, is too optimistic. While 21st century technology introduces new methods of teaching, the current usefulness of iPads and other technology is too limited for it to be a cost-effective solution to education.

According to an April 2012 article by the U-T San Diego, the San Diego Unified School District spent over \$15 million in the 2012-13 school year outfitting classrooms with brand new iPads. Their intention is to augment the teaching experience with hands-on personalized activities and applications that will engage students, while doing away with outdated textbooks. Unfortunately, iPads grow obsolete after about four years, and need frequent software updates. E-textbooks for the iPad are about half the price of physical textbooks, but when combined with the price of \$370 per iPad, pose a high cost to keep students engaged.

With that money, classes could engage in supplemental learning outside of the classroom, in the form of field trips to local museums or in hands-on lab exercises. Numerous studies, such as one from Harvard University, show that the added brain stimulation that comes from using

different senses, such as mixing chemicals in test tube, is highly effective at developing well-rounded students.

Questions about the practicality and effectiveness of classroom technology have also arisen. The iPads and other devices have been slowly infused into classroom activities over the past decade, but expensive and fragile electronic devices are best kept out of the hands of energetic young students. USA Today reports that 20 percent of handheld devices issued to students needed repair after just one year. In 2008, Texas' Abilene Christian University had a pilot program in which they loaned some students iPhones or iPod Touches. While the majority of students said they benefited academically from better connectivity and communication with professors, these advantages could be easily achieved with use of personal computers, which are far more capable machines and can cost less than iPhones when cellular plans are taken into account.

The push toward self-guided tutorials on the Internet is also, at this point, premature. McGraw Hill's LearnSmart online study aid is generally regarded as an effective supplement for in-class teaching because it allows students to target what they need to improve on. This success is contrasted, however, with its sister homework program Connect. The Connect system assigns students a sequence of questions or problems,

See **TECHNOLOGY**, page 5

## QUICK TAKES

CANADA'S QUEEN'S UNIVERSITY PROFESSOR JILL JACOBSON HAS IMPOSED A "CIVILITY CLAUSE" THAT THREATENS A 10 PERCENT DEDUCTION FROM FINAL GRADES FOR DISRUPTIVE BEHAVIOR IN THE CLASSROOM.

### Promotes Quality Learning Environment

Though some say Queen's University professor Jill Jacobson infringes on her students' freedom of speech with this "civility clause," this is not the case. Behavior expectations are nothing new to the education system, and a clause that clearly states punishments for inappropriate behavior works to ensure that all students in a lecture hall are not disadvantaged due to another student acting as a distraction.

A 2006 experiment by Columbia University's postdoctoral fellow Karin Foerster found that in a population of UCLA students, noise distractions negatively affected students' ability to apply information. With distractions in their learning environment, subjects were able to retain the information they were taught, but failed to critically apply that knowledge in other ways.

Without clearly stated punishments, it is difficult to prevent such behavior or proceed with appropriate action. Like Jacobson's clause, the UCSD Student Conduct Code similarly states that "unreasonably obstructing or disrupting teaching" may result in the student being put under formal review by a conduct board or an officer. The only difference between most codes and the "civility clause" is that the latter creates less ambiguity by clearly stating a consequence and avoiding a lengthier review process.

Jacobson's clause rightly insists upon appropriate classroom behavior; those who cannot comply will have to learn to behave or suffer her consequence.

— LAUREN KOA  
Contributing Writer

### Policy Discourages Open Class Discussion

If professor Jill Jacobson's "civility clause" were applied in U.S. schools, it would be more like a "chaining clause." It discourages a receptive learning environment while infringing on students' First Amendment rights.

Students care about learning — but grades are most dear. The harsh penalty imposed by this clause may make students less likely to participate in discussions for fear of unintentionally making offensive remarks. Specific examples of verbal offenses aren't defined in the wording of the clause. This blurs the line between simply being annoying and being outright offensive. A study by the University of Wisconsin-Madison found that in-class discussions help provide an epistemic environment while stimulating development and understanding. This clause discourages students from expressing their individual opinions.

Not to mention that the clause would also violate students' First Amendment rights. In the 1973 Supreme Court case *Papish vs. Board of Curators of the University of Missouri*, the court ruled that students may express their views, offensive or not, as long as they do not disrupt campus order or violate others' rights. This clause goes against this ruling — students run the risk of being penalized for their opinions which, while some might find offensive, do not actually pose harm to others.

An entire letter-grade drop punishment will scare students into silence and curtail uninhibited discussion. There are better solutions, none of which involve a "chaining clause."

— CEDRIC EICHER  
Contributing Writer

### Points Should be Taken from Participation

While Queen's University professor Jill Jacobson's reasons for implementing this "civility clause" are meant to improve rather than harm the classroom atmosphere for students and professors, the policy would be more effective if deductions were taken from a separate participation grade rather than from the final grade.

According to the "Faculty Focus" article "How Much Should Class Participation Count Toward the Final Grade," 77 percent of professors include a participation section in their course syllabi, worth, on average, under 13 percent of a student's final grade. This section of the syllabus can focus solely on a student's behavior in class, and should include participation and attendance. If deductions are taken from a separate participation grade worth less than deductions from a student's overall grade, students may be less discouraged from taking the class and volunteering to participate.

A participation policy will effectively punish students for being disruptive, while still allowing them to achieve the grades they deserve. Grades ultimately should not be determined by behavior but by a student's completion of the course material. Infractions during class should not be reflected in students' overall grades, especially if they have excelled in coursework and exams.

While Jacobson's clause is a valid and useful plan to control student behavior, Jacobson can punish her students in a different way that will not affect their entire final grade.

— SHARON LAY  
Staff Writer

## Campus Funding is Not All Created Equal

The whole concept of a "campus community" may sound vague. But I think campus communities are essential for UCSD student life. Maybe it's just my inner philosophy major, but I would define a campus community as a body of like-minded students that come together to work toward a shared



goal. Whether that goal is social life, journalism or student activism, campus communities are social webs of students engaged in life outside the classroom.

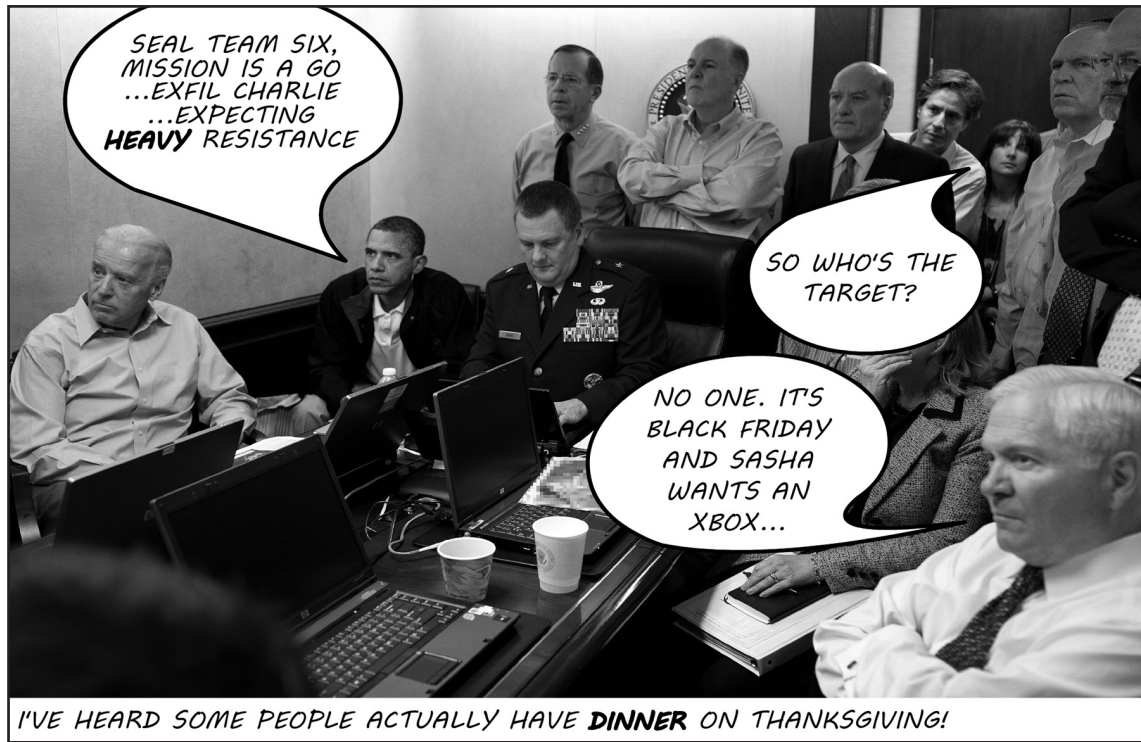
At UCSD, the Greek community is a well-connected group of highly social students that do not harbor negative feelings toward other campus communities. Students go Greek because they're all about being involved outside the classroom. When other communities prove that they also care about something other than upcoming midterms, Greeks are stoked. But Greek life is just one type of college experience at UCSD. While someone involved in the co-ops may have a fairly different college experience than a die-hard Greek, it's important that UCSD is able to offer a diverse range of experiences. For example, if the university were to wrongfully set rent for the co-ops too high, the communities of students situated in the old Student Center would gradually fade away. Fewer campus communities mean incoming students are offered fewer diverse college experiences to choose from.

While having many communities is important, I think it's unfair when certain communities receive preferential treatment over others. For every \$1 of student fees that goes toward communities dedicated to supporting Triton athletics, about \$15 goes to the Student Sustainability Collective, a small community focused on environmental activism. While our Greek leaders pay to be members of their chapters, the student staffers of the SSC are paid for their work by the student body. Don't get me wrong — saving the environment is important. But this breed of activism is just one of many types of college experiences available to incoming students. One could argue that students who care about the SSC are also going to care regardless of whether they get paid for their work. Giving a campus community more money than members know what to do with unfairly prioritizes this type of college experience over the rest. The fact that around 10 percent of the student body is still engaged in Greek life — they have donated over \$20,000 to charity so far this year alone — despite lacking major financial support from student government is testament to the competence and dedication of Greek leadership on our campus.

Whether you get hookups from student government, improving a community takes hard work. Few sincerely enjoy booting and coordinating logistics. But if you're down with what your community is all about, inside-out improvement is the right way to offer more students your type of college experience.



## SOLVE FOR X By Philip Jia



## Must Look Outside U.S. for Teaching Strategies

► **TECHNOLOGY**, from page 4

but has an inflexible and draconian grading system that lacks the efficacy of an actual teacher. For example, in chemistry assignments the program deducts points for rounding, yet has varied standards of accuracy for each question. Incorrect answers receive little in the way of corrective guidance. For a product used by over 1.2 million students nationwide, Connect needs more polishing. Once it offers better explanations for errors and more reasonable grading, it will be an invaluable resource, saving instructors time and helping students learn on their own schedule.

The question, then, is how to ensure that American children have

access to the best possible teaching methods. One need only look at other countries around the world. According to the 2011 article "Why are Finland's Schools Successful?" in Smithsonian Magazine, the Finnish education system owes its success to the tremendous latitude teachers are given to craft a personalized education for every student. They use a "rapid assessment" method, in which students are quizzed two to three times a week in order for teachers to know what their students are retaining. Finnish teachers' lesson plans are much more dynamic than those in America, because they pinpoint areas of student difficulty in tests and target weaknesses. This effective teaching method allowed

Finland to ascend to third place in world education rankings.

As citizens in the world's preeminent economic powerhouse, many in the U.S. may be tempted to jump for the latest and greatest classroom innovations. While some of this cutting-edge technology certainly helps productivity and is a natural component of technological progress, most are a superfluous waste of funding. Instead, our education system should look to the proven models of other successful nations and move to personalize education for students through enthusiastic teaching and hands-on participatory learning.

Readers can contact Kelvin Noronha at knoronha@ucsd.edu

## LETTER TO THE EDITOR

### *Polarization in Conflict Doesn't Produce Solutions*

Dear Editor,

The unsettling escalation of violence over the past week in Israel and Gaza has devastated the lives of countless Israelis and Palestinians. In the course of a few short days, hundreds of rocket attacks and airstrikes have scarred the land and the psyches of both Israel and Palestine. Certainly not helping alleviate the crisis are the toxic public relations campaigns propped up around this violent exchange. Through sites like Facebook and Twitter, people have participated in creating their own hierarchies of oppression in which fingers are pointed, pictures of dead children posted and nationalistic slurs are used. The back and forth declarations of unbridled allegiance and solidarity are enough to leave one's head spinning. At J Street U, a pro-Israel, pro-Palestinian and pro-peace organization at UCSD, we reject this unproductive, anti-solution polarization.

The cyclical violence is but one symptom of the status quo, along with the lack of a long-term resolution and the absence of prominent developments on the diplomatic front. We have the obligation to push for effective non-violent diplomatic measures that can save lives today and shape better lives for tomorrow. We cannot expect everyday Palestinians and Israelis to suffer the consequences of political finger pointing. We must amplify the voice that supported an immediate ceasefire and is demanding that negotiations restart.

In this dark hour, we have a choice to make. We can make the usual excuses and continue to disregard the need for Palestinian self determination and improved

quality of life. We can actively ignore the need for Israeli security and political normalization with her neighbors. We can support these politics of blame, creating a vacuum for progress. Or we can transcend the blame game, challenge ourselves to have meaningful discourse within our communities and between our communities. We can reject the violent outcomes that have come as a result of weak diplomatic attempts and instead work towards the widely accepted two-state solution. The framework for this solution has been laid out for some time, yet politicians have failed to act. If real progress cannot be made soon to dramatically improve the situation on the ground, we may completely lose the opportunity for peace and justice in this region of the world already too tarnished by bloody conflict.

While a ceasefire between Israel and Hamas has just been reached, only a two-state solution will achieve long-lasting, sustainable security and non-violence in the region. As American citizens, we have to urge our government to demonstrate strong diplomatic leadership and begin this process of negotiating a two-state solution. U.S. leadership has played a pivotal role in brokering just resolutions for conflict between Israel and her neighbors. This should be no different. Please join J Street U and thousands of peace supporters in sending the message to our leaders that helping to resolve the Israeli-Palestinian conflict is of critical importance. Let's end this tragedy once and for all.

— **Jacob Silverman**  
Senior, Thurgood Marshall College

# BE THE VOICE

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CONTACT THE EDITOR AYAN KUSARI  
features@ucsdguardian.org

# FEATURES



## San Diego's Nobel Pride

*A look at the six most recent winners of the Nobel Prize from UCSD*

By Mindy Lam / Staff Writer

On Oct. 3, 2011, Dr. Bruce Beutler checked his voicemail in the middle of the night and noticed an email with “Nobel Prize” in the subject line.

“It said that I had won the Nobel Prize. I was thrilled and a little disbelieving,” Beutler stated in an Oct. 3, 2011 interview with Adam Smith of the Nobel Foundation. “So I went to Google News, and in a few minutes I saw my name there, so I knew it was real.”

Every year, the Nobel Foundation in Stockholm, Sweden awards prizes for achievements in physics, chemistry, physiology or medicine, literature and peace. These categories were established by Alfred Nobel, a Swedish chemist and engineer best known for inventing dynamite, when he died in December of 1896. The first prizes were awarded in 1901.

Beutler, 54, is the latest in a line of 18 UCSD-affiliated Nobel laureates. He graduated from UCSD in 1976 with a bachelor's degree in biology. Afterward, Beutler completed medical research in Chicago, New York and Dallas, where he made discoveries about the innate immune system, also referenced as the body's non-specific “first line” of defense against pathogens, which includes the skin and white blood cells. The Nobel Foundation awarded him the Nobel Prize for Medicine because of his work with the innate immune system.

Beutler is most known for his characterization of “toll-like” receptors — specialized proteins on the surface of non-specific immune cells that he calls “the eyes of the immune system.” Beutler discovered these receptors over decades of microbial research. The first toll-like receptor Beutler isolated was tumor necrosis factor-alpha (TNF- $\alpha$ ) in mice. He performed a series of experiments to determine its function, ultimately discovering a signaling pathway that is responsible for neutralizing endotoxins, which are released by certain species of bacteria.

In these infections, TNF- $\alpha$  actually acts against the body's defenses to destroy healthy human cells. Most of the symptoms of cytotoxic bacterial infections, Beutler discovered, are caused by the action of TNF- $\alpha$  and a close cousin, called lipopolysaccharides.

Beutler then invented a recombinant molecule to neutralize TNF- $\alpha$  and began experimenting to confirm that blocking TNF- $\alpha$  in mice stopped them from expressing high levels of cytosolic LPS, a precursor to cell death. This discovery earned him the Robert Koche Prize in 2004.

He found that blocking TNF- $\alpha$  did indeed stop mice from expressing high levels of cytosolic LPS, a finding that received a great deal of attention from the scientific community when his paper, “TNF, Apoptosis and Autoimmunity: A Common Thread?” was published in *Blood Cells, Molecules and Diseases* in 1998.

In the process of linking the necrotic factor to LPS and cell death, he found that TNF- $\alpha$  worked by binding to a class of receptors that had never been thoroughly characterized before — toll-like receptors. He found that toll-like receptors start a signaling cascade that result in the inflammation of internal organs in mice, a process that had never been fully understood before the publication of his research.

Through these experiments, which initially appeared to have unrelated results, Beutler came to the work that eventually led to understanding this class of previously uncharacterized receptors' actions. This work in turn led him to map out the pathways that are crucial to innate immunity.

After working for 14 years at University of Texas Southwestern and the Howard Hughes Medical Institute in Dallas, Beutler moved with his laboratory to La Jolla in 2000 to work at the Scripps Research Institute as a professor of immunology for over a decade.

Beutler was still teaching at UCSD when he received his Nobel Prize last year. Beutler now serves as a professor of the University of Texas, though he recently returned to UCSD on Nov. 8 to talk about his research and career options for current undergraduates.

Although Beutler left La Jolla for Texas last year, five other Nobel laureates currently work at UCSD.

### Harry M. Markowitz

Harry M. Markowitz, 85, who received the Nobel Prize in Economics in 1990, currently serves as an adjunct professor at UCSD's Rady School of Management. The Nobel Foundation cited his “pioneering work in the theory of financial economics” in a press release on Oct. 16, 1990.

After graduating from University of Chicago, Markowitz didn't know what to study for his master's right away. He decided to continue at the same university for a master's in economics, researching the application of math techniques to the stock market. He was one of the first economists to analyze the patterns in which investors optimize their returns in his paper on “Portfolio Selection,” published in *The Journal of Finance* in March 1952.

As Markowitz notes in his Nobel speech, he was interested in the “economics of uncertainty,” the role of risk taking in economic investment.

Up to this point, economics had been analyzed in terms of the overall movements of producers and consumers rather than the decision making of individuals. Markowitz realized that the uncertainty of an individual's actions must be incorporated into mathematical models of investment for them to be reflective of reality. Once he had incorporated uncertainty into his calculations, he realized there were huge opportunities to develop better ways to diversify an investor's portfolio.

In his autobiography for the 1990 edition of the Nobel Foundation's yearbook *Les Prix Nobel*, Markowitz discusses how he continued to work on “the application of mathematical or computer techniques to practical problems, particularly problems of business decisions under uncertainty,” which opened the doors to others to understand portfolio risk assessment.

These days, in addition to teaching at the Rady School of Management, Markowitz operates a consulting firm out of San Diego.

In his autobiography, he acknowledges the people he's worked with over the years by saying, “As each of these people knows, I often consider work to be play and derived great joy from our collaboration.”

### Mario J. Molina

Two of the three winners of the Nobel Prize in Chemistry 1995 currently work at UCSD. The first, Mario J. Molina, earned a Nobel Prize for discovering the effect of man-made chemicals on the atmosphere.

Growing up in Mexico City as a son of a diplomat, Molina became interested in chemistry at a young age. In his autobiography, he recounts



# UCSD Shuttle Driver Shares His Memories, Hopes and Regrets

BY MINA NILCHIAN  
Associate Features Editor

As the people who run the clockwork of campus transportation, shuttle drivers are the figures with whom we rarely converse, but are an essential part of student life. Ted Jacobo, who currently runs the Mesa route and has been working as a driver for 12 years, recounts of his experience, from the privilege of not being obligated to check ID's, to the occasional friendship that comes out of the brief encounters.

## How long have you been working at UCSD?

I started working here in October 1991. I worked as a bus mechanic during the graveyard shift for my first seven years. However, I felt I was getting too old for that job, so when a driving job opened up, I applied for it and have been driving since July 1998.

## Are there student drivers with whom you develop friendships with or get used to seeing?

When I was younger — when I first started driving — I did develop some friendly relationships with some student drivers. Today, I enjoy the student population, but since I'm older I have far less in common with them than I once did.

## Do you ever get attached to the people you see? Is it hard to have to get used to not seeing them anymore when they don't take your route?

Yes, there were — and are — some passengers who I do miss. After a few years of driving, you get to know them on a personal level. Proud parents and grandparents tell

you all about their children and grandchildren. Sometimes you get to see and meet them. So yes, you get to know them quite well.

## What's the best part of your job?

The best part of the job is meeting new passengers. You never know where your next friend is. People here are very interesting. Sometime I meet a new professor that does very interesting work or research. Also, I'm amazed at students and how bright they are, especially with today's technology. And how motivated they are.

## Are you a stickler for checking ID's? Or do you like to let it slide?

I get to drive routes where it doesn't require me to be a stickler on checking ID unless a passenger gets out of line. But we do have routes where IDs are required, such as the Arriba and Nobel routes.

## What are some changes you've noticed during the time that you've been a shuttle driver?

We've added GPS to locate our buses, which I think is an awesome feature for passengers. We've expanded some routes, like our Coaster West route. We've changed some routes to accommodate campus needs.

The passenger load is always increasing. The campus has always been putting up new buildings, which I think is great. After all the changes, the campus is still a beautiful place to drive around and I feel very fortunate to be able to do so.

Readers can contact Mina Nilchian at [mnilchia@ucsd.edu](mailto:mnilchia@ucsd.edu)



JAIME ESTEPA / GUARDIAN FILE

## Take advantage of UC San Diego Extension's UCSD Student Grant Program (formerly known as Complimentary Enrollment)

**Winter Quarter 2013 Dates: November 26 - 30, 2012**  
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\*Some restrictions apply.

[extension.ucsd.edu](http://extension.ucsd.edu)



# 2012 CAMPUS CALENDAR 11.26-12.02



*Wheeland Brothers*

**FRI 11.30 • 7pm**

**BLACKOUT MUSIC FESTIVAL**  
PRICE CENTER WEST BALLROOM

**Upcoming at** 

**PROGRESSIVES & PROFS**  
Monday, Nov. 26  
5pm  
The Loft  
**FREE**

**THRIFT TRUNK SHOW**  
Tuesday, Nov. 27  
6pm  
The Loft  
**FREE**

ASCE Comedy presents:  
**MICHAEL CHE & LAUREN O'BRIEN**  
Wednesday, Nov. 28  
Doors: 8pm; Show: 8:30pm  
The Loft  
**FREE Student; \$5 General**

ASCE presents:  
**SHUT UP AND PLAY THE HITS**  
A LCD Soundsystem  
Documentary  
Saturday, Dec. 1  
Doors: 7:30pm; Film: 8pm  
The Loft • **FREE**

[theloft.ucsd.edu](http://theloft.ucsd.edu)

**Upcoming at** 

**The Jump Off:**  
**DJ CALLISCH**  
Friday, Nov. 30 • 1-4pm  
Round Table Plaza • **FREE**

[universitycenters.ucsd.edu](http://universitycenters.ucsd.edu)

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*more exposure = higher attendance*

## MON 11.26

**12pm**

### THE EFFECTS OF EMPATHY ON IMMIGRATION POLICY PREFERENCES-ERC ADMIN BUILDING, ROOM 115

Chris Haynes, a PhD Candidate, discusses how empathy can create a more permissive approach to immigration policy. In this seminar, Haynes will describe the effects of empathy through the results of two studies.

**2pm**

### ART AND SOUL: HOLIDAY ORNAMENTS CRAFTING-THE ZONE

Create some cool craft ornaments to spice up your room and get into the season!

**7pm**

### AN EVENING WITH MADAME F- MANDEVILLE CENTER

Playwright Claudia Stevens explores the Holocaust through the eyes of a young woman by the name of Fania Fenelon, a member of the women's orchestra at Auschwitz forced to perform in front of several concentration camp guards. Free to the public!

The Really Big Nov. 26-Dec. 1

**HOLIDAY SALE**

UP TO **75% OFF**

### UCSD BOOKSTORE

Mark your calendar! Avoid the holiday crowd hassle and find so much on sale: clothing, sporting goods, home decor, cookbooks, holiday goods, musical instruments, children's books, toys, fine pens, calendars, medical gifts and clothing, Wellness products.

## THU 11.29

**10am**

### MEDITATION AT THE ZONE - THE ZONE

Come to The Zone from 10:00-10:30am for free meditation classes! Practice a variety of techniques to achieve greater mental clarity and a peaceful state of being. With the constant stress of academics and campus life, meditation will help recharge your mind and body. All levels welcome.

**1:30pm**

### THERAPY DOGS! FREE EVERY THURSDAY - THE ZONE

Drop into The Zone every Thursday from 1:30 to 2:30 pm to get some love from adorable, professional therapy dogs! Studies show that petting an animal can lower stress, and the smiles on students' faces proves this to be the case every time.

**6:30pm**

### PC BLOCKBUSTER: THE HUNGER GAMES (FREE SHOWING!) - PRICE CENTER THEATER

We're so excited to be able to show The Hunger Games, the hit movie based on the bestselling book series by Susan Collins. The blockbuster film, starring Jennifer Lawrence, Josh Hutcherson and Liam Hemsworth, is brought to you FREE at PC Theater by The Zone, a lounge for student well-being that offers free well-being related programs designed to promote the flourishing of UCSD students and encourage healthy living. Everything at the Zone is FREE, so what are you waiting for? You have nothing to lose...except the stress.

## TUE 11.27

**10am**

### FITNESS ZONE: VINAYASA FLOW YOGA - THE ZONE

Come participate in UCSD's own Vinayasa, or Flow Yoga! Each class is composed of several different Asanas that stretch, energize, and relax the body. Have fun and get into The Zone!

**12pm**

### INTERNATIONAL TEA AND ORIGAMI CRAFTING - THE ZONE

Create cool origami figures and mingle over tea and crafts as we discuss our cross-cultural experiences. Hosted by The Zone and the International Center.

**6pm**

### THRIFTING TRUNK SHOW-THE LOFT

Shop local and vintage clothing and items at the Thrifting Trunk Show! On-campus fashion magazines, including No.15, will be hosting a fashion show with the thrift items on sale. Prizes will be awarded in raffles, so come and have some fun!

## FRI 11.30

**7am**

### WORLD AIDS DAY-PRICE CENTER EAST BALLROOM

Participate in UCSD's honoring of World AIDS Day 2012, where three sections of the AIDS Memorial Quilt will be on display at the Price Center Ballroom. There will be a number of other sponsored events in recognition of World AIDS Day including art installations, a series of performances in the Quilt room, a photography exhibit of long term survivors with HIV/AIDS, and red ribbon distribution throughout campus.

**10am**

### FITNESS ZONE: SIX PACK SWEAT - THE ZONE

Not your average ab class! In 45 minutes, you will fatigue your core muscles, ultimately allowing the muscles to get stronger, faster. Utilizing gliding disks, this class will fly by in the blink of an eye! All levels welcome. Lead by FitLife instructor Lauren Labagh. Come experience all that Campus Recreation's FitLife has to offer! Each week highlights a different FitLife class. Have fun and get into the Fitness Zone!

**3pm**

### LEADERSHIP IN YOUR GRADUATE ADMISSIONS PROCESS- WARREN RM, PC WEST, LEVEL 2

Communication and Leadership presents iLead, a required seminar to complete the program. Hear from Graduate Admissions Professionals to aid in the Graduate Admissions Process.

## NO15

**8pm**

### NO15 MAGAZINE FALL FASHION SHOW - THE LOFT AT UC SAN DIEGO

A night of glitz and glam! In partnership with Saks Fifth Avenue Off Fifth, NO15 Magazine presents an unforgettable runway show at The Loft. Check out this season's fall fashion looks! Listen to a live band, dance to some beats, and win some giveaways! Don't miss out on mingling with UCSD's and San Diego's fashion elites. Remember to dress to impress, ladies and gents! FREE! Doors 7:00 / Show 8:00. Presented by NO15 Magazine, a registered UCSD student organization. Contact: no15magazine@yahoo.com

## WED 11.28

**3pm**

### THE SOCIAL SCIENCES AS A CONCEPT: WHERE FROM AND WHERE TO? - SEUSS ROOM, GEISEL LIBRARY

Immanuel Wallerstein is the former President of the International Sociological Association (1994-1998), and chair of the International Gulbenkian Commission on the Restructuring of the Social Sciences (1993-1995). He writes in three domains of world-systems analysis: the historical development of the modern world-system; the contemporary crisis of the capitalist world-economy; and the structures of knowledge. Come listen to Dr. Wallerstein define Social Sciences in a new light!

**8pm**

### ARGENTINE TANGO CLUB WEEKLY PRACTICA - WEST BALCONY, MAIN GYM

The Argentine Tango Club at UCSD presents a weekly practica from 8-11pm on Wednesdays during fall quarter. The first hour (8-9pm) is especially dedicated to beginners and advanced beginners. No partner required; no prior experience necessary. Come and experience what Argentine Tango is all about!! For more information about the club, visit [ucsdango.wordpress.com](http://ucsdango.wordpress.com) and friend us on Facebook ([facebook.com/UCSDTango](http://facebook.com/UCSDTango)) or join the mailing list.

**8pm**

### ASCE COMEDY PRESENTS: MICHAEL CHE - THE LOFT AT UC SAN DIEGO

Michael Che is a rising star in the world of comedy, coming out of New York City. He has appeared on Comedy Central and The Late Show with David Letterman, and has a regular spot on IFC's comedy game show 'Bunk.' His comedy blends street culture with world issues, and is most influenced by Patrice O'Neal and George Carlin. FREE for UCSD Undergraduates / \$10 General Public

## SAT 12.01

**9am**

### UCSD RECREATION COUPLES MASSAGE WORKSHOP - RIMAC

Just in time for finals and pre-holiday stress! Bring your roommate, partner, or friend for a treat. You will learn safe and easy massage techniques. Walk away with a course syllabus and tools to manage your stress. Relax, kick back, and enjoy life and each other. Must register with a partner.

**SHUT UP AND PLAY THE HITS**

**8pm**

### ASCE CINEMA PRESENTS: SHUT UP AND PLAY THE HITS - THE LOFT

On April 2nd 2011, LCD Soundsystem played its final show at Madison Square Garden. LCD frontman James Murphy had made the conscious decision to disband one of the most celebrated and influential bands of its generation at the peak of its popularity, ensuring that the band would go out on top with the biggest and most ambitious concert of its career. The instantly sold out, near four-hour extravaganza did just that, moving the thousands in attendance to tears of joy and grief, with New York magazine calling the event 'a marvel of pure craft' and TIME magazine lamenting 'we may never dance again.' This documentary film captures this once-in-a-lifetime performance and an intimate portrait of James Murphy as he navigates the lead-up to the show, the day after, and the personal and professional ramifications of his decision. UCSD students: Free / Others: \$5.00. Doors 7:30 / Show 8:00



# THE GUARDIAN CLASSIFIEDS

Guardian Classifieds are FREE for the UC San Diego community. VISIT [www.ucsdguardian.org/classifieds](http://www.ucsdguardian.org/classifieds)

### FOR RENT

Room for rent -- move in at the beginning of April - 1 bedroom for rent in three bedroom townhouse. As little as \$600 per month. Laundry included in unit. Dishwasher, front and back patio, walking distance to San Diego State, peaceful location. Dogs and cats are welcome! 0.5 miles from SDSU. Very laid back and clean roommates. Listing ID: 42706106

2 UCSD students seeking 1 housemate - \$700 - My friend and I are both UCSD students in

search of a housemate to start a year lease on August 1st. She and I are both very clean, considerate, easy-going and quiet and would like a similar kind of housemate. We are looking for a third person in order to offset the cost of living in UTC/La Jolla area. We have not yet found a place but would be looking for 3 bedroom places near UCSD. Please let me know if you're interested! Listing ID: 42705319

Looking for a roommate / housemate - \$650 - My current roommate and I are looking for a 3rd guy for a 3 bedroom townhouse/condo in the east-gate/genesee area (easter way/ vision dr). We

are both male UCSD students about to enter our 4th year. We are friendly, outgoing, fun, respectful, and clean. We're both going to be 21. I would prefer someone who is outgoing and fun and who is a UCSD student or at least around the same age. A little about myself: I like to have fun and go out whenever I can, but i'm studious when i need to be. I like to play volleyball and basketball. I've been somewhat getting back into surfing lately. The places we've found have ranged from 1 and we'd prefer cheaper. The rent price on the post is just a guess of how much it will be for the room, it depends on once we find a place. We are looking for a lease starting JULY 1st. We both want our own rooms, but if you want a roommate for your room that could work. So feel free to respond and tell a little about yourself. Hopefully we can find someone soon to sign a lease asap



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[www.TorreyPinesDentalArts.com](http://www.TorreyPinesDentalArts.com)

### FOR SALE

Yorkie Puppies Sale SD - 400.00 - Beautiful, pure-bred, Yorkies puppies. They were born August 3, 2012, two males available now, they come with the certificate of health guarantee, and also comes included with purchase their health record for the vaccinations. Home raised, they have had all their shots and been dewormed, they are really healthy and adorable! Tails are not docked. Listing ID: 42702599

AKC English Bulldog Puppy - 1000.00 - Ella is an AKC English Bulldog Puppy. She is short, stocky, has a great personality and has been raised around children. She is current on her shots, and is ready for her forever home. Don't miss out on this amazing puppy. She is beautiful! Both parents are on site. Listing ID: 42702390

10 week lab/golden retriever - 50.00 - 2 10 week lab/golden retriever puppies, 1 female & 1 male, very sweet, raised with kids, have both parents, loving forever homes only. Call or text (253)905-8175 or (253)905-0894 for more info or pics. Listing ID: 42702290

Under the Surface Glass Table - 2600.00 - borenstudio@yahoo.com. 412 W. 7th Street San Pedro. Hand made carved glass cocktail table. Outer Edges of table base, water jet cut. Perimeter of the table top, pencil polished. 42"dia. x 18"ht. x 3/4"glass. 412 W. 7th Street San Pedro. borenstudio@yahoo.com. Listing ID: 42701473

### SERVICES

Credit Repair In 30 Days - Powerful Credit Repair Company Delivering Powerful Results! Improve credit scores. We Have Helped Our Clients Remove Questionable Negative Items, Including: Bankruptcies, Liens, Judgments, Foreclosures Charge Offs, Collections, Repossessions, Late Payments, Were Better. Were Faster. And We Back It Up With A 100% Money-Back Guarantee! Listing ID: 42701843

San Diego Tutor with years of Tutoring Experience - Lauren S. - I am an intelligent woman who has a degree from UCSD in Art history. I graduated with a 3.75 GPA. I would love to help children with learning anything from English to history. I would prefer younger children. Listing ID: 42720555

San Diego Tutor with 1 year of Tutoring Experience - Gabriela A. - I have experience about 2-3 experiences tutoring students k-fourth grade. I did English and reading, Spanish, math, science, and art. For the last 3 mths I have been an Au Pair in Texas. I have been working...Listing ID: 42720554

### JOBS

Business Intern for FreeandClear.com - Our mission at FREEandCLEAR.com is to help people master the mortgage process. We accomplish our mission by providing in-depth mortgage-related content and online tools that empower people through education and interaction. We have designed FREEandCLEAR.com to be easy-to-use, interactive and highly informative. Our goal is to help people find the mortgage program that is right for them and own their home free and clear in as little time as possible. We are seeking a part-time intern to help with the development of FREEandCLEAR.com, a website dedicated to helping people take control of the mortgage process. The intern will assist in the development of the web site including working with our web designer and web developers to create content and various types of functionality including mortgage calculators, charts and graphs. The position provides the intern with the opportunity to participate in building a company from an early stage. Responsibilities will include content design and implementation using programs such as Excel and Power Point.

Marketing and Communications Intern - Provides administrative and project management support to the Manager of Marketing. Primary responsibilities would be supporting marketing initiatives, communications and social media. Responsibilities will include research, collateral development and writing content for the website and other communication materials. This person will be accountable for marketing support in all areas of the department. Essential Duties and Responsibilities: Weekly web site and social media updates, Development and maintenance of media lists, Design and Distribution of Marketing Collateral, Provide administrative assistance to the Manager of Marketing. Position Qualifications: To perform the job successfully, an individual should demonstrate the following competencies to perform the essential functions of this position. College or University Student preferred. This position is unpaid.

## crossword

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### ACROSS

- Like some short-term committees
- How a lot of music is recorded
- Narrow-necked pear
- Museum with many Spanish master-pieces
- Eight, in Spain
- Figure skating jump
- Consumed
- Postal delivery
- Knish seller
- Henna, for one
- Tokyo monetary unit
- Hawaii's coffee capital
- Reader's \_\_\_; magazine
- 1983 Lionel Richie #1 song
- French city where Joan of Arc died
- Wooden nickel, e.g.
- Milk units: Abbr.
- Old Italian money
- Parcel of land
- New Age-y emanation
- Single
- Wine vintage
- Thread holder
- Desolate title tree in a 1936 Fonda/MacMurray Western
- It's north of the border
- Cle. hoopsters
- TUMS target
- Long sandwich
- Vaulter's need
- "Today, \_\_\_ man": stereotypical bar mitzvah announcement
- Hospital staffer
- \_\_\_ even keel
- Shoemaker McAn
- Spud
- Camping shelter
- Talks and talks
- Hanker, and a synonym for the ends of 21-, 26-, 43- and 50-Across

### DOWN

- Copied
- Open-sided cart
- Loathe
- \_\_\_ on a Grecian Urn"
- Unite
- Tuba sound
- March Madness org.
- Facial feature with a cleft, perhaps
- Distributed sparingly
- No-goodnik
- Daisy variety
- Tennis great Monica
- Eastwood of Dirty Harry films
- Namibia neighbor: Abbr.
- Perform with the choir
- Common scrape site for a kid
- Woody's son
- Butcher's cut
- Entice
- Ivan the Terrible et al.
- Partners' legal entity: Abbr.
- Je ne sais \_\_\_
- Cyclo- ending
- Shopper's delight
- Persistence
- "Norma \_\_\_"
- iPhone downloads
- Wizened "Star Wars" guru
- Interstate speed limit, often
- Bemoan
- \_\_\_ razor: logical simplicity rule
- \_\_\_-jongg
- Hundred bucks
- Make amends (for)
- Texas Rangers president Ryan
- Often sarcastic joke response
- In a frenzy
- Mlle., in Madrid
- Exploitative type
- Swiss capital
- Abu Dhabi's fed.62 Grammy-winning Dr.



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# Current Faculty in Economics, Chemistry, and Medicine Have Won Nobel Prize

► NOBEL, from page 6

setting up a rudimentary laboratory in the bathroom of his house. When his aunt, a chemist, discovered his experimentation, she brought him to her laboratory and let him carry out college-level experiments there. By the time he moved to Switzerland at 11 for boarding school, he had already decided to become a research chemist.

Molina studied chemical engineering at the National Autonomous University of Mexico, which he states in his autobiography was the closest thing to physical chemistry that was offered by the university in 1960. He went on to graduate school at the University of Freiburg in Germany. There, he did research in kinetics and polymerizations before deciding to explore other research areas. He returned to UNAM as an assistant professor for a short time before going to study physical chemistry at UC Berkeley in 1968.

After graduating, he moved to UC Irvine for some post-doctorate study researching a class of inert industrial chemicals, chlorofluorocarbons, which had been accumulating in the atmosphere since the wide spread of refrigeration in the 1930s. With his mentor, Professor Sherwood Rowland, Molina developed the “CFC-ozone depletion theory” the now widely known theory, which posits that as these man-made chemicals rise up in the atmosphere, they decompose upon contact with solar radiation, releasing chlorine radicals that convert ozone into diatomic oxygen.

They published their findings in 1974, calling on policy makers and news media to bring attention to the dangers of CFC-ozone depletion. In his Nobel lecture in 1995, Molina described the chemical process, pointing to later studies by other sci-

entists observing the ozone depletion over the Antarctic as further proof that his theory was correct.

In 1989, Molina moved to the Massachusetts Institute of Technology to teach graduate students and continue research on “global atmospheric chemistry issues.” He was working at MIT the time he received the Nobel Prize.

Molina moved to UCSD in 2006, where he now works with a research group investigating the chemical properties of atmospheric particles in order to better understand their effect on climate.

## Paul J. Crutzen

The other 1995 Nobel laureate working at UCSD also received an award for his research in the role that  $N_xO_y$  molecules play in ozone depletion.

Paul J. Crutzen, 78, wasn't very interested in chemistry as a teenager in the Netherlands. He trained as a civil engineer after finishing school because he didn't qualify for a university stipend. After several years as a civil engineer, Crutzen felt he wasn't being intellectually stimulated and decided he wanted a career in academia.

He went to work at the International Meteorological Institute of Stockholm University in 1958 as a computer programmer, even though he did not have “the slightest bit of experience in this subject,” as he said in his Nobel Prize acceptance speech. Taking this risk allowed him to attend classes at the university while working full time to support his wife and child.

While researching for his *filosofie licentiat* (the Netherlands' equivalent of a Ph.D. thesis) around 1965, Crutzen was asked to help develop a model of oxygen distribution in the atmosphere. In this way, Crutzen was introduced to the study of atmo-

spheric chemistry.

During his post-doctorate studies at Oxford in 1969, Crutzen published a paper on “catalytic ozone destruction” by nitric oxide (NO) and nitrogen dioxide ( $NO_2$ ), stating that the concentration of these potentially destructive molecules in the atmosphere was directly proportional to emissions of nitrous oxide ( $N_2O$ ) from the use of nitrogen fertilizers in



Biology departments considered me a chemist. But chemistry departments rejected me as a biologist.

— Roger Tsien  
UCSD PROFESSOR  
NOBEL LAUREATE 2008

agriculture. The imbalance of  $N_xO_y$  molecules, Crutzen hypothesized, contributed to climate change by increasing sun radiation in the atmosphere. For confirming this through his research, the Nobel Foundation awarded Crutzen the Nobel Prize in Chemistry in 1995.

Crutzen currently works as an environmental researcher at the Scripps Institution of Oceanography at UCSD.

## Robert Engle III

In 2003, Robert Engle III, 69, received the Nobel Prize in Economics for the invention of the ARCH model, which extrapolates economic trends in market prices and interest rates — which are normally very difficult to predict — with a high

degree of accuracy.

Engle noted that economic trends tend to be heteroskedastic, conditional in the sense that the trends change due to different variables over time. Heteroskedasticity is a statistical term for a collection of variables in which one set of data has different variables than the rest. Engle applied regression analysis, a technique for estimating relationships among variables, to analyze the trends. With these ideas, he developed the ARCH model, short for autoregressive conditional heteroskedasticity model, to map financial statistics in order to predict future market values.

Engle wasn't always sure about what he wanted to do.

He graduated from Cornell University in 1966 with a bachelor's degree in physics, but he became interested in economics during an introductory course that he took during his senior year. He went on to get a doctorate in economics from the Cornell in 1969, and he worked as a research professor at the Massachusetts Institute of Technology from 1969 to 1977. In 1975, he began to teach and research at UCSD, where he conducted the research that earned him the Nobel Prize. He has retired from teaching at UCSD and is now a professor emeritus in the economics department.

## Roger Tsien

The most recent Nobel Prize winner at UCSD is Roger Tsien, who received the Nobel Prize in Chemistry in 2008 for “the discovery and development of the green fluorescent protein, GFP,” according to the Nobel Foundation's press release.

Tsien, 60, wrote in his autobiography that he developed an interest in chemistry in elementary school, during which time he studied by copying down experimental procedures from books in the school library.

Tsien's favorite experiments when he was young were those in which the addition of a reagent caused a common chemical or protein to change color. In one experiment, he made a deep purple-colored solution change into a brilliant green hue, an experiment that “reflects an early and long-lasting obsession with pretty colors.”

However, he found his chemistry classes at Harvard University so “distasteful” that he abandoned the subject and majored in neurobiology for a while. Eventually he graduated with degrees in chemistry and physics and went on to get a doctorate in physiology at the University Cambridge.

After the fellowship ended, Tsien had a difficult time finding a job because he couldn't be neatly categorized as a biologist or a chemist.


“Biology departments considered me a chemist,” he stated in his “Prix Nobel” autobiography. “But chemistry departments rejected me as a biologist.”

Tsien ultimately found a position at UC Berkeley, but had to leave when a financial crisis in the mid-'80s caused his lab's budget to be cut. In 1989, Tsien came to UCSD, where he began work on fluorescent proteins, and his work continues to this day.

While at UCSD, Tsien discovered green fluorescent protein, which is now used to observe chemical changes within cells. In the mid-'90s, Tsien figured out how to attach these fluorescent genes to proteins in the cell in order to track these proteins for study. Tsien's techniques are now “ubiquitous,” according to the Nobel Foundation, in research facilities around the world.


Tsien continues to teach in the chemistry department at UCSD.

Readers can contact Mindy Lam at [mtlam@ucsd.edu](mailto:mtlam@ucsd.edu)

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## On Why Midwesterners Love Their Baseball

► **ANDERSON**, from page 12

displayed. In a region permeated by tradition, it comes as no surprise that a sport lauded as America's pastime is so well received. Since baseball has been considered the first truly American sport to gain widespread popularity, its roots in American history and tradition may make it more appealing to a region in which tradition is so valued. Also, the sport has been around such a long time that it has united generations, keeping interest alive among Midwesterners of all ages.

Also, much of the lifestyle out there — outside of obvious metropolitan areas like Chicago — moves at a slower, and arguably more relaxed, pace than in California. Neighbors easily spend hours on their front porches chatting, while kids meander down sidewalks with their friends and pay little attention to time. When my parents first moved into their new neighborhood, they were immediately greeted by a neighbor who had spent the day baking them an apple pie from scratch.

"It wasn't any trouble," she assured them. "We don't run short on time here." This could explain baseball's appeal to the Midwesterner: The pacing of the sport reflects the pace of the everyday.

It seems that every region of the U.S. has its own collective athletic interests. Where here in California, faster paced sports like football and basketball tend to attract us, Midwesterners seem to be happy with a sport that boasts periods of quiet to counterbalance peaks of excitement.

# UCSD Splits at Annual Thanksgiving Classic

BY ZEV HURWITZ  
Senior Staff Writer

**WOMEN'S BASKETBALL** — The UCSD women's basketball team went 1-1 at the third annual Thanksgiving Classic, this weekend Nov. 23-24. The Tritons, who had started the season 1-4 fared well in their home opener against Azusa Pacific but lost in their second game to undefeated Tampa, who improved to 6-0 with a pair of wins at the tournament.

### UCSD 79, Azusa Pacific 48

The Tritons never trailed in their first contest at RIMAC Arena since the NCAA West Regional Finals last year. The Tritons blew out the winless Cougars, who compete at the NCAA Division II level for the first time this season. The Friday game marked only the second Triton win of five games this season.

UCSD came out strong in the first half and never looked back, leading 43-21 at halftime despite neither team scoring for the final 2:36 of the half. In the second half, the Tritons extended their lead, ending with their largest lead of 31 points.

The Tritons were paced by senior guards Emily Osga and Daisy Feder, who scored 21 points and 19 points respectively. Thirteen Tritons recorded minutes, including freshman forward Leeann Alferness who grabbed two boards for her first mark on the books this season, as the team shot an overall 50.9 percent from the field.

### Tampa 74, UCSD 66, 2OT

A sluggish first half ended with a score of 22-13 to cap an awful period for both teams from the field. UCSD shot a measly 30 percent in the first to the Spartans' 22.7 percent



NOLAN THOMAS/GUARDIAN FILE

on 5-for-22 shooting from the field.

The Spartans sprinted ahead in the second half, shooting 56.5 percent and scoring 41 points. The Tritons kept a sizable lead over Tampa until a 7-0 run by the Spartans cut the lead to two points with 8:18 to play. After seven minutes of trading baskets, the Spartans' Illyssa Vivo hit one of two free throws to go up by two with 20 seconds in the second half. Daisy Feder hit two free throws with eight seconds left to tie the game at 54 apiece, but junior forward Erin Dautremont missed a

layup at the buzzer to send the game into overtime.

In the first overtime period, the squads traded baskets, although the Tritons never trailed. A layup by Dautremont put the Tritons up by two, but the Spartans' Shamika Williams — named to the all-tournament team with Feder and Dautremont — hit a layup to tie the game at 61. Feder missed a jumper to send the game to double-overtime.

The Spartans took over in the fourth period, outscoring the Tritons 13-5 to comfortably put the

game away.

The extended game exploited UCSD's foul situation as both sophomore guard Miranda Seto and Feder fouled out in the second overtime. With senior forward Erin Grady also with four fouls, the Tritons looked to the bench for much of the final period. Feder led both teams with 21 points and Dautremont finished with a double-double, ending with 20 points to match her 10 rebounds.

Readers can contact Zev Hurwitz at [zhurwitz@ucsd.edu](mailto:zhurwitz@ucsd.edu).

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# SPORTS

## POOR DEFENSE DENIES TRITONS

By Rachel Uda • Sports Editor

## More Time to Love Baseball

Since my family moved out to Illinois, I've been shuttling back and forth between sunny San Diego and the wintry Midwest. The culture shock is more prominent than I'd expected — probably given that we Californians tend to think that the rest of the U.S. is just a slightly less hip version of our home state.

### On Track

LORATO ANDERSON  
lclanders@ucsd.edu



But sometimes, traveling to Illinois is like entering another country. From the open friendliness of strangers to the common but slightly unnerving expanses of open space, certain aspects of the Midwest clearly distinguish it from the Left Coast. But probably the biggest difference I've noticed is Illinoisans' exuberant devotion to a sport that many here call outdated and boring: baseball.

There are definitely baseball fans in California; they just seem to be fewer in number and less ardent than those out by the Great Lakes. It's relatively rare that I meet another Californian, especially in the college age group, who has more than a passing interest in the sport or doesn't dismiss it entirely as too slow-paced and stodgy.

But man, do Midwesterners love it. Baseball is everywhere out there. Sure, some of our Targets and Walmarts have an aisle or two devoted to the local team. But in Illinois, virtually every shop boasts some sort of alliance to the Cubs and/or the White Sox. Even a trip to the ice cream shop becomes a display of loyalty: Many creameries serve ice cream in little plastic baseball hats emblazoned with the insignia of various teams and allow (or force, depending on your perspective) customers to choose their teams when they make a purchase. And God forbid the customer is a Mets fan while the cashier supports the Cubs; at that point, the customer may not receive any ice cream at all. Baseball team loyalty is first priority, and shop owners know that.

The sport has even worked its way into the landscape. Many community fields do their best to mirror great baseball fields across the country. Perhaps the most famous in the state is Little Wrigley Field, near Freeport. It's a near-exact replica of the historic Chicago stadium and is home to many baseball-centric community events. Its fame extends past the sleepy town; a few years ago, I went there with some relatives to meet Hall of Famer and ex-Cubs player Ferguson Jenkins, who was leading a baseball clinic and signing autographs. Almost the entire community, of all age groups, attended excitedly.

There are a few possible reasons for such commitment to a sport that young Californians tend to snub. For one, the Midwest is in the heartland of America. Many towns are bastions of traditional American values; bumper stickers declaring "Stand Up for Religious Liberty," "Stop the Attack on Righteousness" and "Mitt Romney 2012" are common and unabashedly

Record-setting performances from senior forward Justin Brue and junior guard James McCann weren't enough to secure a win over CSU San Bernardino, last Saturday, Nov. 24.

The Tritons fell 90-82 in their CCAA season opener against a strong CSU San Bernardino squad, picked to finish third by the annual conference coaches' poll.

"Overall it was a good game for us," McCann said. "We had an early lead, and then we kind of let them get back into things. But I think the biggest thing for us right now is working on our defense, because the offense is there."

UCSD went into the second half with a 34-31 lead, which it extended to 33-40 through the combined efforts of Brue and McCann. From there, the Coyotes went on an 11-4 run to tie the game, while shooting guard Amari Simons' three consecutive three-pointers gave San Bernardino a healthy eight-point lead, which UCSD was unable to chip away at.

Brue, a four-year starter for UCSD, seems to have taken the reigns for graduated center Christian Hatch on the block. The senior has led the Tritons on the boards in three of its four season matchups. He also leads the squad with 23 rebounds.

On the road Saturday night, Brue led UCSD with 24 points, going 12-for-16 from the field, while also

nabbing nine rebounds. McCann finished with a career-high 21 points and seven rebounds.

"[Brue] was really hot in the first half," McCann said. "He was getting inside, hitting his jumpers. He was strong on the boards, and I think that that's going to be kind of a normal thing for him throughout the season."

Despite standout games from both McCann and Brue — supplemented by double-digit productions from senior shooting guard Tyler McGrath and sophomore forward Brandon Blanchard — the Tritons had startlingly little coming from the bench. Outside of those four, the remaining six players totaled only 11 points.

"The biggest thing is being able to defend better," McCann said. "They would penetrate and kick, and we weren't getting out there to defend the shot. [CSU San Bernardino] has a ton of shooters on the perimeter, and we just need to be better and take a little more pride in our individual defense."

UCSD will return home this week to kick off a four-game homestand. The Tritons will take on CCAA opponent CSU Los Angeles this Friday, Nov. 30, followed by a game against CSU Dominguez Hills on Saturday.

"Both of these teams are always at the top of our league, and we're really looking forward to playing against them," McCann said. "It'll be really important for us to try and get two wins in at home."