

# THE DAILY CALIFORNIAN

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BERKELEY, CALIFORNIA

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WWW.DAILYCAL.ORG

## WHEELER 33 HEARINGS TO RESTART WITH NEW OVERSIGHT COMMITTEE

by WENDY LEE  
DAILY CAL STAFF WRITER

The student conduct hearings for the Wheeler 33 will be nullified because of a court's ruling to expel police reports as evidence, UC Berkeley officials said yesterday.

The protesters' legal team and the university are "in agreement" to restart the student conduct hearings and establish a new oversight committee, said Mike Smith, UC Berkeley assistant vice chancellor for legal affairs.

Fears that the current committee may be tainted by now-excluded evidence prompted the decision to begin anew.

Smith called the university's decision to cancel the hearings "prudent," adding that the university wanted to avoid entering a dispute over evidence.

The Wheeler 33, members of Students for Justice in Palestine, were arrested in April in connection with the occupation of Wheeler Hall during a protest calling for university divesti-

ture from Israel.

The move comes in response to a June Alameda Superior Court ruling, which found the protesters "factually innocent" of all charges and sealed their arrest records.

The university did not receive the court's order to seal records until a few weeks ago, Smith said.

The university has conducted two hearings so far, both regarding the case of Roberto Hernandez. The university charged him with several rules violations, including the assault of a UC police officer.

The university was expected to finish examining Hernandez today, but canceled the hearing.

Hernandez declined to comment yesterday until he received information from his attorneys.

UC Berkeley spokesperson Janet Gilmore said the university is setting dates for the new hearings, adding she "wouldn't want to guess" how long it would take to set up a new student conduct committee.

See HEARINGS, page 4

## "Marrow-thon" Aimed at Helping Multiracial Patients

by KIM-MAI CUTLER  
CONTRIBUTING WRITER

Four-year-old Nicole Howard was on a family trip to Canada last spring when her legs began to ache so badly she couldn't walk.

A rare and dangerous form of leukemia had attacked them, causing her bone marrow to produce vast amounts of white blood cells that would eventually crowd out enough healthy cells to kill her.

The only complete cure would be a bone marrow transplant, but for Nicole—with one parent white and one Japanese—the chances of finding a donor are painfully small. Potential multiracial donors make up less than 2 percent of those registered.

To help give Nicole and other patients a fighting chance, the Mavin Foundation organized a two-day "Marrow-thon" at UC Berkeley.

Students are registering this week as part of a national bone marrow drive that targets mixed-race students.

From 10 a.m. to 3 p.m. today on Eshleman Hall's 7th floor, the drive aims to recruit donors from all minority groups.

The registration process requires a consent form and a small sample of blood from the index finger, says Joan Yamamoto, an outreach coordinator for the Asian American Donor Program.

The national registry stores and tests the blood. If the sample matches

the requirements of a patient on the waiting list—the odds of which can run up to one in a million—the potential donor is contacted for further testing.

During a transplant, about one liter of bone marrow is removed from the back of the pelvic bone with a syringe.

As a mixed-race child, Nicole faces a number of challenges in finding a potential match in a growing yet unconnected mixed-race community.

Nicole's father, Rob Howard says his efforts have succeeded in registering nearly 2,500 potential donors. But Nicole needs 50,000 for a probable match.

Nicole is most likely to find a match with a donor of her own ethnic heritage, a slim chance given small number of potential mixed-race donors.

An emerging population, the mixed-race community is largely younger than 18 years old, increasing the difficulty of finding candidates able to register as bone marrow donors, Howard says.

Three of the nearly seven million people identified as mixed-race by the 2000 Census were younger than 18, the legal threshold for marrow donation.

The growing mixed-race population

See MARROW, page 2

## FORMER ISRAELI PM SPEAKS ON CAMPUS

by JAY KAPP  
and EMMA SCHWARTZ

Former Israeli Prime Minister Ehud Barak was met by the cries of nearly 200 protesters when he spoke last night on campus—but unlike when the last Israeli leader visited Berkeley, the evening proceeded as planned.

The high-security event was marked by several confrontations between protesters and Barak supporters. Barak delivered a speech advocating the need to fight terrorism and blamed Yassir Arafat for a failed peace agreement between the Israelis and Palestinians.

While addressing the failed 2000 Camp David Summit, Barak said Arafat had chosen not to make peace.

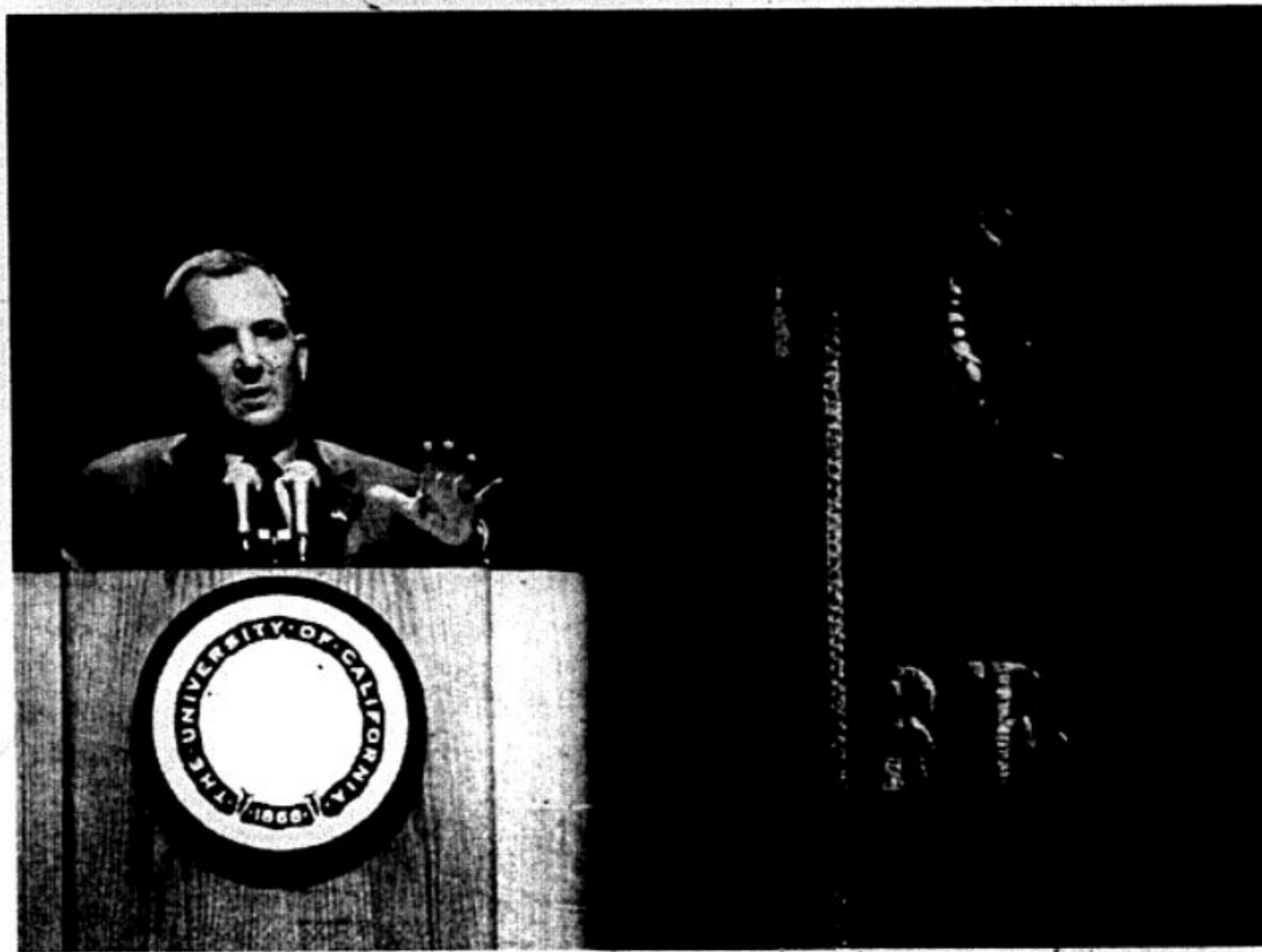
"It is only the fact that Arafat refuses to negotiate," he said.

Interrupting the speech, more than 30 students from the audience—many wearing shirts with the word "Lie" painted in bold letters—walked out of the auditorium after a few students vocalized their opposition to Barak's words.

Their actions were met with applause from many in the audience.

"Freedom of expression creates

See BARAK, page 2



FORMER ISRAELI Prime Minister Ehud Barak speaks to a packed Zellerbach Hall. Barak was met by applauding admirers and chanting protesters.

## Barak Talks to the Daily Cal About the Second Intifada

Editor's Note: This exclusive interview was conducted last night with former Israeli Prime Minister Ehud Barak. For the full text of the conversation, please see [www.dailycal.org](http://www.dailycal.org).

by EMMA SCHWARTZ  
DAILY CAL STAFF WRITER

**The Daily Californian:** The Sharon government has said that, in order to restart talks, the Palestinians need to put a halt to violence. Do you believe that peace process can resume without a halt to violence?

**Ehud Barak:** I think that this is truly justifiable. I basically believe that it is not just an Israeli expectation, it is an expectation of the world that you know we are in a war against terror. ... It makes sense that as a precondition before anything else can happen that they should put an end this violence.

**DC:** During the Oslo Peace process, suicide bombing continued to happen, but the peace process would go on. Do you see it going back to that kind of process?

**EB:** First of all it destroyed the government of Shimon Peres. More important, at the time Arafat was at least trying to appear as fighting against it. But since then we have seen that, in the months after 9/11, Mr. Arafat ordered the importing of weapons and explosives from no other source but Iran. So he behaves as a terrorist leader and as you tend to say, if it looks like a duck, and it walks like a duck, quacks like a duck, then it is a duck. So that's a terrorist. If he walks like a terrorist, looks like a terrorist, quacks like a terrorist, then he is a terrorist.

**DC:** I was going to ask then, do the

See INTERVIEW, page 3



CHRIS CANTOR (CENTER) leads a group of protesters wearing T-shirts reading "Lie" in the lobby of Zellerbach Hall yesterday at a speech by Ehud Barak.

## LAB'S SUPERCOMPUTER PAIR TO BE WORLD'S FASTEST

by R. TYLER HILLMAN  
DAILY CAL STAFF WRITER

Livermore lab announced plans yesterday to build what someday will likely be the world's two most powerful supercomputers—leaving some of today's largest systems with a distinct case of processor envy.

The pair, slated for delivery by IBM in December 2004, will together contain 145,000 processors and clock in at

speeds faster than the next 500 of the world's largest supercomputers combined.

Together they will cost over \$290 million.

ASCI Purple, the smaller of the two supercomputers, will be used by the Lawrence Livermore National Laboratory to simulate nuclear weapon detonation.

Its larger sibling, Blue Gene/L, is slated to tackle scientific challenges, ranging from weather simulation to molecular medicine.

"It's a very exciting time in supercomputing right now," said Mark Seager, an assistant director for Advanced Technologies at Livermore lab. "It used to be computational science was used to interpolate, but we're seeing now that at this scale it is a predictive science tool."

The U.S. Department of Energy commissioned ASCI Purple as part of its Stockpile Stewardship Program, which is charged with ensuring the viability of the nation's nuclear weapons.

ASCI Purple will have the memory space of 400,000 conventional desktop PCs and leverage eight times the raw processing power of its

See COMPUTERS, page 4

## Sentence Handed Down for Son's Part in Reddy Intrigue

by NATE TABAK  
DAILY CAL STAFF WRITER

The son of a wealthy Berkeley landlord received a two-year prison term Monday for lending a hand in his father's scheme that imported young girls for sex and cheap labor.

Vijay Kumar Lakireddy, 32, who admitted in June to one count of conspiracy to commit immigration fraud, will likely serve his sentence in a federal minimum security prison in Nevada. He was also fined \$40,000.

U.S. District Court Judge Claudia Wilken could have tagged on an addi-

tional six months to Lakireddy's sentence but opted to stick to the recommendation made by the defense and prosecution.

As part of Lakireddy's plea bargain, prosecutors dropped a slew of other charges against him that included sexual misconduct and witness tampering.

George Cotsirilos, Lakireddy's attorney, called the sentence "entirely appropriate." He said Lakireddy would continue substance abuse treatment during his incarceration.

Critics said, however, the two-year term is too lenient and fails to do jus-

tice to the victims of the family's sex and labor ring.

"It's really depressing," said Diana Russell, a professor emerita of Mills College. "It's just a rap on the knuckles."

Lakireddy's father, Lakireddy Bali Reddy, is serving eight years in prison for illegally bringing Indian girls into the United States to have sex with them and put them to work. His attorneys are trying to have his sentence cut by two years.

Reddy's brother Jayaprakash

See SENTENCE, page 3

## ONLINE

- Interview:** Full text of Barak interview.
- Shooting:** Police investigate another victimless South Berkeley shooting.
- Elections:** District 8 City Council candidate falls 30 votes short of winning.
- Forum:** New York Times publisher and executive editor speak at Zellerbach Hall.
- License:** City Council acts to curb youth smoking.
- Grants:** City begins accepting grant applications from poverty-fighting organizations. Visit [www.dailycal.org/news](http://www.dailycal.org/news).

# Multiracial People Difficult to Reach

MARROW, from front

is only beginning to accept a common identity as well, Howard says.

"We don't really know how many multiracial people go without donors because because people self-identify," Howard says.

People of multiracial backgrounds also lack a centralized community or network where potential donors can be

coordinated, Howard says.

Paul Young, co-president of the Hapa Issues Forum, a mixed-race student group organizing today's event, says many multiracial students do not identify themselves as such until they reach college. Hapa, the club's name, is a label for people of mixed-Caucasian and Pacific Islander or Asian descent.

"In the name, there is a realization in just being able to assert that they are multiracial," Young says.

"The Hapa and mixed-race community is really small," Young says. "We have to create our own community, even if it's through a bone marrow drive."

The bone marrow drive is a good first step, says Kimi Kawabori, a spokesperson for the Mavin Foundation, a national organization for mixed-race issues.

"This is the first time people are galvanized to go out and educate others that we are multiracial and we can do something about our community," Kawabori says.

Political awareness aside, many came just because they wanted to help.

"I just thought because I'm a multiracial person, I have an obligation," says senior Kim Smit. "If I were ever sick, I would want someone kind enough to donate marrow."

# Protesters Detained Temporarily by Police

BARAK, from front

great performances," Barak said. "I suggest instead of shouting now, they wait and ask me questions later, and I will respond."

Almost the entire audience applauded vigorously.

Police escorted the protesting students out of the theater and held them in the lounge for nearly 15 minutes. They cited campus spokesperson Marie Felde's request that all audience members respect the speaker. Students who left said they intended to make a peaceful statement.

"We had planned very carefully so as to be as respectful as possible to the people in the audience," said UC Berkeley graduate student Chris Cantor, who was detained. "(The police) pushed me over to the door and told me to stand up against the wall. I was just trying to leave the auditorium."

Back inside, Barak continued to joke and lauded the War on Terrorism.

"After 9/11 nothing about terror could ever be taken for granted," Barak said. "We have to destroy terror or be destroyed by it."

Waving Palestinian and Israeli flags, the protesters flanked the security barricades which blocked off Lower

Sproul. Speakers passionately addressed members of the crowd as well as attendees of the event waiting in line in front of Zellerbach Hall.

"Barak is an evil man, he is a violent man, a racist and a liar," said rhetoric professor Daniel Boyarin.

He added that Barak's invitation "is appalling because at the very least (Barak) represents one extreme side in


a bitterly, bitterly contested war."

Former Israeli Prime Minister Benjamin Netanyahu canceled a planned appearance at the Berkeley Community Theatre in November 2000 after anti-Israeli protesters stormed the theater's gates.

Emma Schwartz is a staff writer for The Daily Californian, and Jay Kapp is a contributing writer for The Daily Californian.

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## Wake up Toddlers

So how about some gossip ... right. So last week I explained why the university might, in fact, not fit the plans of the non-bourgeois citizen, the person not thinking strictly in terms of upward mobility and success. And unfortunately, now that I have some kinder words to discuss, the kids are all going to be ditching to run home to their mommies and daddies for turkey and potatoes.

Well, here it goes. You know, once a week I write this stuff. And who knows how it gets down on paper or even why it's printed. The critics, meaning those restless bugging bloggers who seem to think that the Daily Cal is worth spending their free time exorcising, have awarded me with the "worst columnist" ever placard (and this was only after my first two submissions, no less). The truth is, I'm no less flabbergasted (maybe even to some extent offended).

Every week when I sit down to draft these things, I think, "What the fuck?" Simple as that. Nevertheless, I do take these things very seriously. And I know that sometimes I indulge a bit too much in incommunicable non-sense/bullshit psycho-philosophy.

I still treat these columns with a particular sense of reverence. I realize the potential in wishing and dreaming. I understand where stories can take us. That's why this is so important. This is why you must pay attention—not merely trying to laugh at the stupid punch lines but reading how these new myths are being constructed. From where do the seeds of tomorrow's fantasies grow? There's a reason why our parents want us to become either doctors or lawyers and why kids in high school vote on things like, "Most Likely to Succeed."

So you need to put your ear to the ground. We need to consider how we are nurturing the future. What makes ourselves, and where do our own interests lie? Honestly, I'm astounded with how this all seems to work.

And the thing is that this sense of part wonder and part awe is not dissimilar from the general enthusiasm I feel when I notice the detail and intricate complications that occur in what's regularly regarded as day-to-day life. In other words, as opposed to my traditional standard of cynicism and disbelief, today I'm telling you toddlers that amazing things happen when you keep your eyes open to the nuances that frustrate your mental categories.

Things are beautiful, and this is my ode.

Now, I don't want to sound like a hippie. I'm not high, and I'm certainly no fan of the Kool-Aid acid test, but



MAXWELL YIM

sometimes things are full of wonder. Despite all of the material facts (you being a disenfranchised member of the most hated regime/empire in the world, your life meaningless, your status infinitesimal to meaningless), there is still some sense of indisputable beauty in this thing called life. The fact that there's still the possibility of joy among all this bullshit is amazing.

Look, I'll admit it: I'm attracted to the dreamers. That's all I can really say about myself. I enjoy the company of the bullshitters, the people generally oblivious to these facts and committing themselves to the new fantasy standard.

And that's how things start happening. Not really from subscribing to some metaphysical program or transcendental logic but from some sort of tacit agreement achieved by you and the friends who understand you. For my good friends and me, we have established a unique (or at least what seems to us unordinary) obligation. We have come to a consensus and voted that, despite the odds, our individual duty in life is to try to make this awesome thing that we are living beautiful.

Forget about crossing your legs. Trust me, if you make more than half a million dollars per year, you're married to a whore. That's right. Don't sit still.

What's the point? You need to start thinking. You need to imagine. You need to sit at the BART station or, if you're lucky, idle at the stoplight and consider the amazing facts that are all around us. You must think about the amazing organizational skills, and years of industrial and civil development that were necessary to sustain your lifestyle. The world is a very intricate place, and there's no reason to set your sights on blinder-forward progress.

Tell Max how beautiful your life is at max@dailycal.org

## One Family Member Yet to Be Tried

SENTENCE, from front

Lakireddy and sister-in-law Annapurna Lakireddy pleaded guilty to conspiracy charges earlier this year.

Reddy's other son Prasad Lakireddy is awaiting trial for a variety of charges in connection with the ring.

The scheme came to light after a young Indian girl was found dead inside a Reddy-owned building in November 1999.

Nate Tabak covers crime. E-mail him at crime@dailycal.org

## Violence Called 'A Tragedy' by Barak

INTERVIEW, from front

Palestinians need to get rid of Arafat for the peace process to continue?

EB: I don't think that it is our role to tell the Palestinians what to do. ... At a certain point, I believe, they will replace him. ... It's a tragedy for both peoples, but the reason is solely on the shoulders of Mr. Arafat.

DC: There's been a campaign on college campuses across the country to divest from Israel because they disagree with Israeli policies. What do you think of this movement?

EB: I think that they are wrong. It's great to have a country where there is a freedom of expression. ... It's based on wrong information, sometimes on manipulation of young minds and souls by Palestinian propaganda. But it's nothing to do with reality.

## Attention Students

### Are you ready for the 105th BIG GAME?

In the spirit of good sportsmanship and safety for all members of the Cal Community and visitors, remember the following as you prepare for the Big Game:

Cal student ticket holders should enter through Gate 10. Make sure to arrive early with your current Cal ID and game ticket. Expect to be searched "concert style." Backpacks and bottles (including water bottles), cans, fruit and other projectiles are prohibited.

Students not in compliance with Campus policies may be denied entry and are subject to campus judicial processes.

# GO BEARS!



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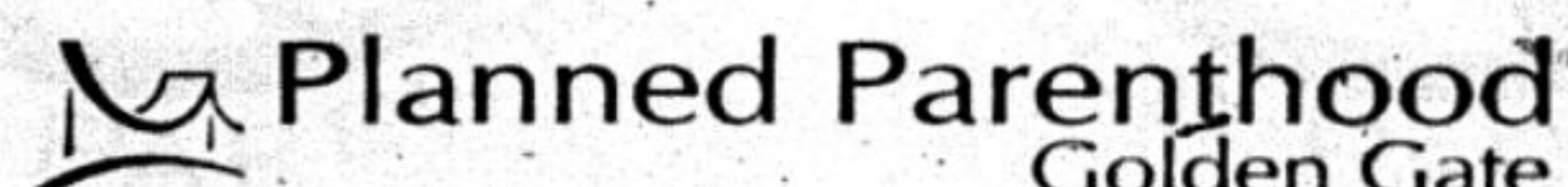
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COMPUTERS, from front

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"The Purple machine will provide scientists with much-needed and unprecedented levels of supercomputing capability," said Livermore lab director Michael Anastasio in a press release.

Anastasio added ASCI Purple will continue a "successful partnership" between IBM and Livermore lab.

In what has become common practice in supercomputer design, the two new systems will be collections of smaller processors working in concert.

This parallel approach raises new challenges, as individual nodes must communicate rapidly or risk slowing the whole computer.

"There's two ways to get code to run faster—get a faster processor or instead of one processor get two or four or eight," Seager said.

The new supercomputers will break up simulations into pieces and intercommunicate their results to each of the other processors, he added.

"That communication becomes a daunting task," he added.

# Arrest Records Will Be Sealed and Destroyed

HEARINGS, from front

The university and the protesters' legal team met yesterday to further negotiate the issue.

The meeting came in response to a letter that asked the university to drop all charges against Hernandez, said Jason Cox, an attorney for the Wheeler 33.

UC attorney Jeff Blair said the expulsion of the evidence will not affect the hearings and added that por-

tions of the police report can still be used. This includes a police officer's statement that Hernandez bit him, Blair said.

"Those are facts, and those are perfectly permissible under the penal code, but they have to be segregated out from the arrest," Blair added.

The Wheeler 33 arrest records will be sealed for about three years and then destroyed. In addition, all related computer files must also be erased.



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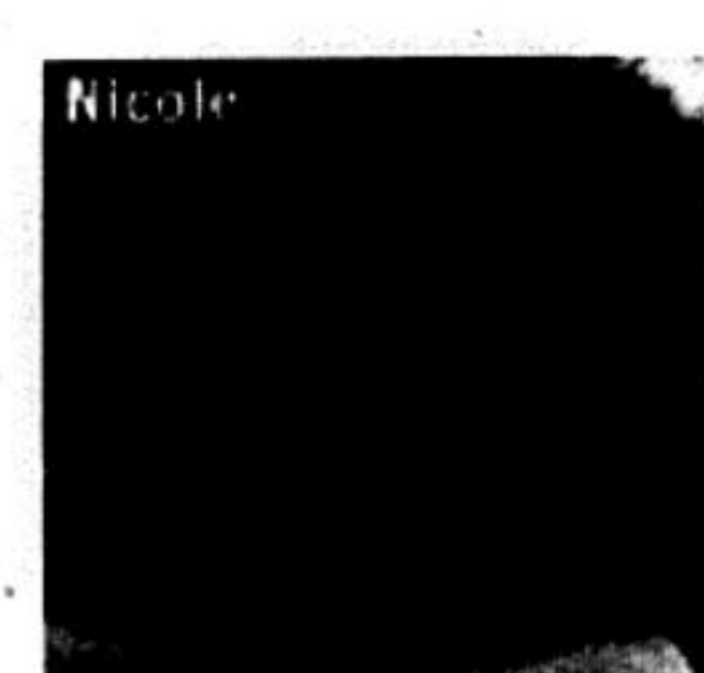
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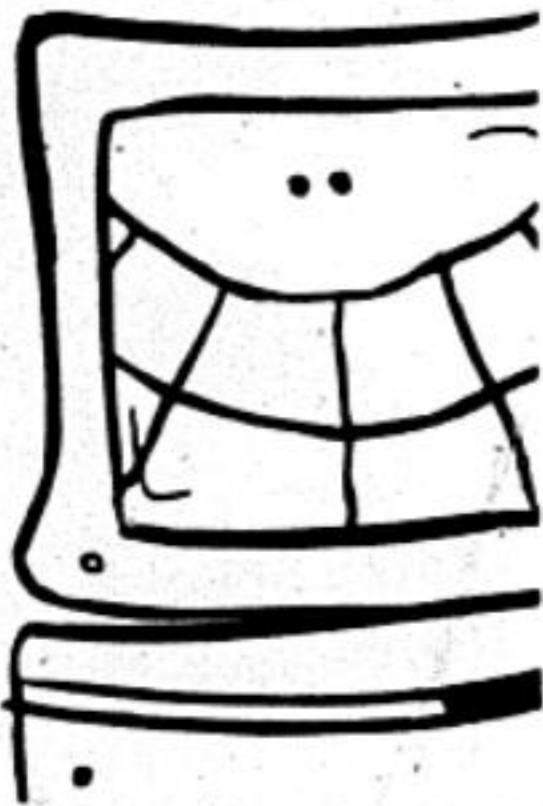
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## New Center Promotes Scientific Collaboration

Effort Will Focus on Biophotonics Research

by DAWN BEAHM  
CONTRIBUTING WRITER

With \$40 million from the National Science Foundation, a new Center for Biophotonics Science and Technology has recently opened at UC Davis.

The center will represent a collaborative effort among researchers from around the Bay Area and the nation, most of whom were already involved in biophotonics-related research.

"Biophotonics is the science of using electromagnetic radiation, basically the use of photons, from infrared all the way to gamma rays, to image, detect and manipulate biological materials," said UC Davis neurological surgery professor Dennis Matthews, the director of the new center.

Applications of biophotonics technology run the scientific gamut—from exploring the structures and mechanisms of biological molecules to medical applications, such as eye surgery.

The center will allow scientists, who may be working in different fields but encountering similar problems, to communicate and solve problems effectively.

"I don't think there are other centers like this," said UC Berkeley chemistry professor Jay Groves, who is also a

researcher at the Lawrence Berkeley National Laboratory. "The center is trying to link people together with the common theme of biophotonics. This is a rather new idea."

The formation of a partnership between such diverse fields as computational sciences and medicine is important to ensuring efficient scientific progress.

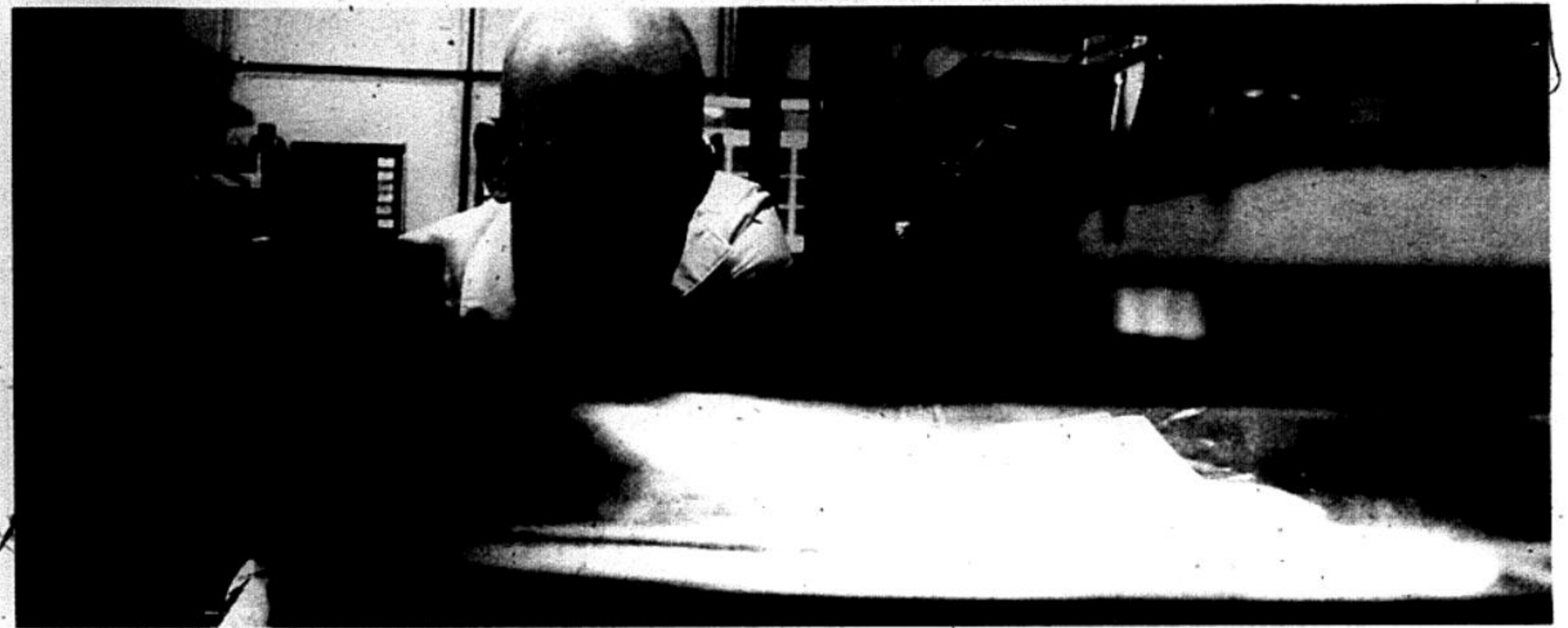
For example, the theory behind magnetic resonance imaging, now a common technique used by doctors to peer inside the human body, was used by chemists for years to probe molecules—then physicians discovered they could use the same technology to make a medical diagnosis.

"Medicine benefits tremendously from technology, but engineers speak a different language than physicians, and they find it difficult to communicate with each other," said UC Davis neurological surgery professor James Boggan, co-director of the new center.

The problem was not primarily that of technology, but one of interaction between scientists in different disciplines, Boggan said.

"The center is trying to shorten the gap," Boggan said. "We need each other

See CENTER, page 6



STAFF/ROB KATZER

OBSERVING HEATED GAS scorch a composite material in a sealed chamber, UC Berkeley mechanical engineering graduate student David Rich is monitoring how the flame moves like a fluid with the container's air currents.

## Researchers Investigate Low-Gravity Flames

by CHARLES LEE  
CONTRIBUTING WRITER

Dr. Carlos Fernandez-Pello may not have starred in any major Hollywood blockbusters recently, but he has done what is possibly the next best thing—flown in a spacecraft formerly occupied by the cast of "Apollo 13."

The NASA KC-135 is a four-engine turbo jet aircraft, not unlike the Boeing 707. The plane flies in a series of parabolic arcs to simulate zero-gravity conditions onboard the aircraft, an ideal environment for testing possible materials for the next international space station.

"NASA is actively searching for new materials to use in building its space structures and is turning to composites rather than metals because composites are stronger and more light-weight," said UC Berkeley mechanical engineering graduate student David Rich, the current head of a NASA project at UC Berkeley. "Everything is weight critical."

Rich's project is code-named FIST—Forced Ignition and Flame spread Test.

To test materials for their heat-resistance capability, heat was initially applied to the surface of a sample. Streamlined air was then blown over the surface. The air flow mixed with the vapors given off by the heated sample.

The air and vapors mixed, and when the concentrations of vapors reached certain levels, the solution underwent

combustion.

The team recorded the time taken for ignition and how the flame spread across the sample, along with temperature readings from different regions of the sample.

"We're developing flammability diagrams," Rich said. "They explain how composites burn on the ground and we're going to compare these with results for experiments done in microgravity."

Achieving microgravity—it's virtually impossible to achieve true weightlessness—was one of the greatest challenges for the project, especially since the experiment required a relatively long time to execute.

Conventional means of achieving near-weightlessness, such as tall drop towers, usually give a maximum of 10

See SPACE, page 6

## Iron's Importance in Plankton Diet Confirmed

by ATERET HASELKORN  
CONTRIBUTING WRITER

An oceanographer deploys robotic floating devices off the coast of Washington. He is unaware that a dust storm traveling eastward from the Gobi Desert will soon demonstrate a scientific hypothesis for the first time in history.

Such a scenario took place last year when a group of scientists from the Lawrence Berkeley National Laboratory measured carbon detritus in the upper layers of the ocean. They witnessed the fertilization of oceanic waters with iron-containing dust—and a subsequent increase in absorption of atmospheric carbon.

Since atmospheric carbon may contribute to increases in global temperature, adding iron to oceanic waters could help counteract global warming.

The group's findings supported a theory known as the "iron hypothesis"—the idea that a lack of iron was responsible for limiting the growth of plankton, organisms that drift near the water's surface and absorb atmospheric carbon.

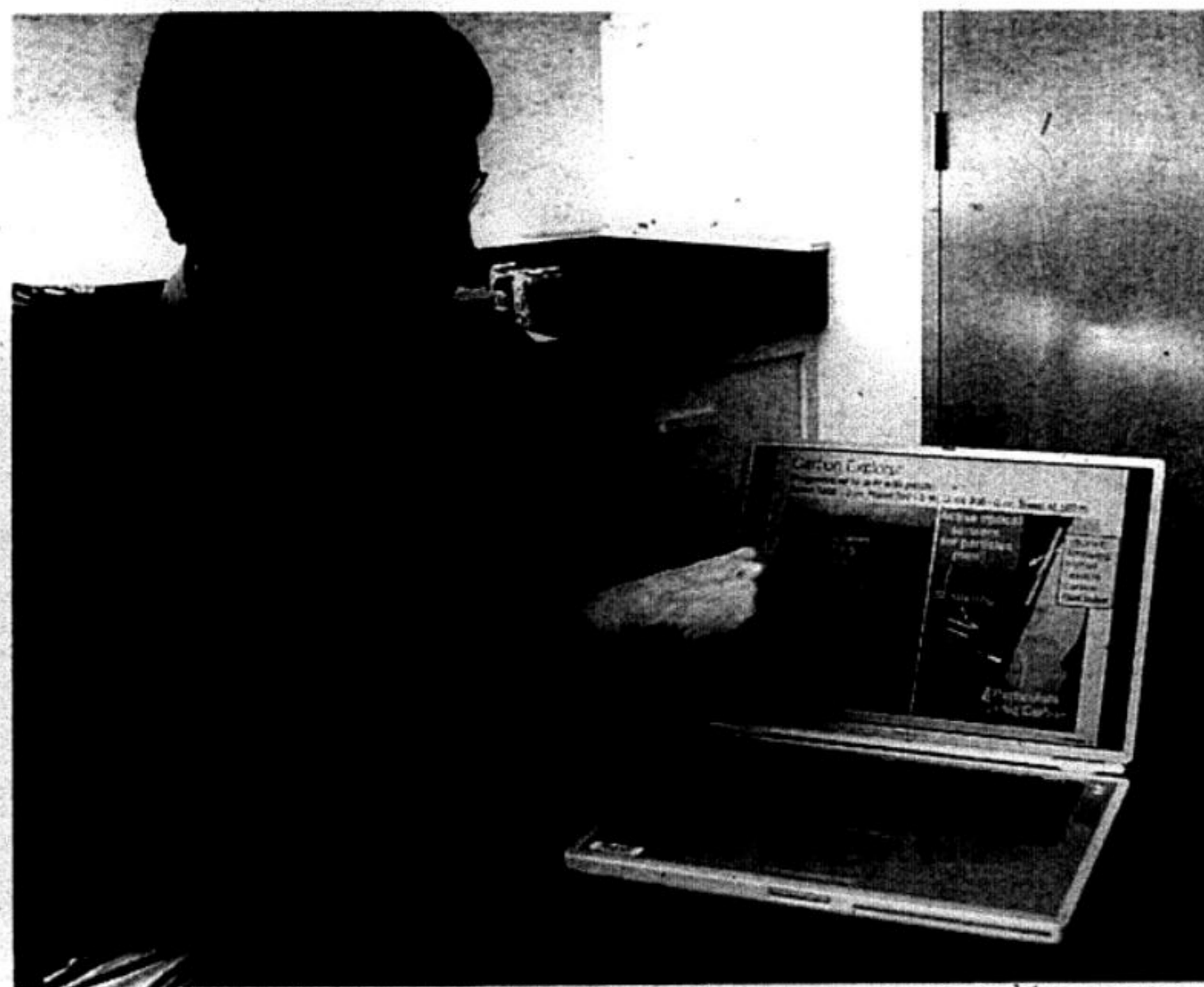
The iron hypothesis was initially proposed in the 1980s, and has since been experimentally tested, but an increased absorption of carbon as the result of natural dust storms was not observed until now.

"This provides a valuable second view of how iron stimulates biological activity," said UC Berkeley earth and planetary science professor James K. Bishop, who led the expedition.

Bishop and his crew gathered data on the amount of carbon taken in by plankton by using Carbon Explorers, robots equipped with sensors capable of detecting biological material and satellite tracking systems.

These machines sank 1,000 meters below the ocean's surface, measured the carbon in the water while rising upwards—and then drifting to a new location to repeat the process.

The water of the North Pacific is known to be high nutrient, low chlorophyll, which makes it particularly well



PHOTO/IAN BUCHANAN

UC BERKELEY PROFESSOR James K. Bishop describes how robotic probes, called Carbon Explorers, analyze the effect of iron on plankton growth at sea.

suited for studying photosynthetic plankton, or phytoplankton.

Despite the high concentration of nutrients other than iron, such water exhibited low photosynthetic activity. Chlorophyll, typically used by phytoplankton to absorb carbon during photosynthesis, was ineffective under these conditions.

Once the nutrient-rich water in the North Pacific was enriched with iron-containing atmospheric dust, phytoplankton growth increased and the biomass of carbon doubled.

When a lack of iron no longer limited phytoplankton growth, the existing chlorophyll became more efficient. Even in low concentrations, the chlorophyll absorbed large amounts of atmospheric carbon, Bishop said.

The rate of phytoplankton growth also exceeded the rate at which it was consumed.

"They grew faster than the grazers grazed them down," Bishop added.

The effects of the dust storm were apparent in the North Pacific waters for about one week.

Now that wind-blown dust has been shown to fuel plankton growth in otherwise unproductive water, Bishop has been driven to explore the natural carbon cycles of the ocean in greater detail.

"We've just gotten the first dust storm ever on tape, (and) we've got a lot to learn," Bishop said. "Right now there is no consensus as to whether fertilization can be effective (in combating global warming)."

Other scientists concurred with Bishop.

"We do believe that ocean productivity was tied to climate change in the past," said Kenneth Coale, director of Moss Landing Marine Laboratories. "Whether we should blow more dust into the oceans or add iron to stimulate ocean productivity is a topic of current study and debate."

## Bioterrorism Center to Link Multiple Universities

Effort Focused on Community Preparedness

by APRIL MO  
CONTRIBUTING WRITER

Although the anthrax scares following the Sept. 11 terrorist attacks have subsided, health workers and officials across the country are still working to prepare the public health infrastructure for future threats or actual outbreaks of infectious diseases.

In late September, UC Berkeley's School of Public Health received a grant of \$2.8 million dollars from the Centers for Disease Control to establish a Center for Infectious Disease Preparedness, to serve public health workers and officials in California and Nevada.

The UC Berkeley center will join a nationwide network of 15 other infectious disease preparedness centers, including those at Columbia University, Harvard University, Johns Hopkins University and UCLA.

The centers will develop and share resources for dealing with outbreaks of anthrax, smallpox, West Nile virus, botulism, viral hemorrhagic fevers such as ebola and various types of plague.

"The Center is meant to provide non-degree, short-term training to improve the preparedness of public health sectors in California and Nevada," said UC Berkeley professor Arthur Reingold, head of the School of Public Health's Division of Public Health Biology and Epidemiology. "Ours will be one of a few centers devoted entirely to infectious diseases."

The UC Berkeley center will work

closely with the center at UCLA to offer resources to workers and professionals in public health, such as health department officials, doctors, nurses, fire department officials and police officers, said Reingold, who will lead the planning effort to establish the center.

The two centers may branch out to cover training in Arizona and Hawaii as well, he added.

"The whole country is at risk and there is a need to improve preparedness and to meet the needs of public health departments," Reingold said.

Although the anthrax scare has subsided, infectious diseases remain a high priority of public health officials.

"One person with access to dangerous infectious agents can do a lot of harm, not only in terms of sick or dying people, but also in terms of widespread reactions of fear and large economic costs," Reingold said.

The Berkeley Department of Health and Human Services, which already has a close relationship with the School of Public Health, is looking forward to gaining training and assessment support for its professionals from the new center.

"We are able to perform our function of communicable diseases control, but only during office hours," said Dina Quan, the Health Department's Bioterrorism Coordinator. "We hope the center will help us expand those capabilities so that we can, for exam-

See BIOTERRORISM, page 6

# Arboreal Mascot Will Doom Card

CELLAR, from back

That said, it would be a good omen if our Bears can win: Plus, if we don't run an "Attila Hungry For Win" headline soon, we're just wasting an opportunity. I haven't mentioned her in at least two weeks, plus who knew she could cook?: My favorite Natalie will be a guest of the Today Show tomorrow, as a guest of the culinary segment.

And I know nobody's asked, but the Heisman winner should be clear: Brad Banks.

A brief glance at our first hoops

# Walk-Ons Will See Time at the Point

HOOPS, from back

bench, will see minutes as well, but he is sidelined with a torn quadriceps muscle and is not expected back until January.

Beyond that, the Bears have four walk-ons who can conceivably play the point, with sophomore Tashaan Forehan-Kelly and freshman Martin Smith the most likely to see minutes while Donte Smith is out.

While Cal's point guard unit has the potential to contribute all over the court, the position remains largely a mystery for the Bears.

opponent, New Mexico, reveals this shocking fact: Apparently, Ruben Douglas is on the 7-year plan.

And finally, a bit of commentary on the Big Game from an uninformed observer who may or may not be my girlfriend: No way the Bears are going to lose to any team that includes a freakin' tree wearing freakin' sneakers.

*Dan could miss the Ink Bowl Saturday morning because he sprained his ankle playing softball. Make him all better at sports@dailycal.org.*

# Education Part of Center's Mission

CENTER, from page 5

more now than we did in the past."

Although supporting cutting-edge research and encouraging knowledge transfer were important components of the center, the creation of educational programs remains an equally important task.

The center has been charged with developing scientific curriculum to be taught at the K-12 level, providing high-school internship opportunities, undergraduate fellowship programs, and even developing graduate biophotonics courses.

"Part of the charge that the (National Science Foundation) puts on their science centers is the significant aspect of education—to bring science to the classroom in cooperation with teachers at the K-12 level," said Boggan. "This is a challenge to profes-

# Special Aircraft Used to Simulate Space

SPACE, from page 5

seconds of gravity-free surroundings.

Enter the KC-135, the plane in which the zero-gravity scenes in Apollo 13 were filmed. The plane gave about 20 to 30 seconds of near zero-gravity conditions with each flight.

"To tell you the truth, I got pretty sick," said UC Berkeley mechanical

sors, to teach these concepts to younger children. It's as challenging as anything we do from the standpoint of doing innovative science."

Outreach programs will also focus on increasing scientific involvement by underrepresented minority groups and women. Center officials worked in conjunction with the Mathematics, Engineering, Science Achievement program, California 4H Youth Development Program and the Society of Women Engineers, in addition to many others.

"The goal of the (National Science Foundation) and biophotonics center is to help form the next generation of engineers and scientists," Matthews said. "We hope to do great science as an appetizer to attract future scientists."

engineering professor Fernandez-Pello, who led the project. "It's like somebody grabs you by the collar of your neck and you start floating. It's an incredible feeling."

After each 20 to 30 seconds of microgravity, the so-called "Vomit Comet" must cruise for a while to let its engines recuperate.

"I understand that Apollo 13 had about 40 hours of microgravity. If you think of 40 hours at 20 seconds per flight, that's a lot of flights," Fernandez-Pello said.

The team has done more than simply feel sick—they've ascertained that

composites burn differently in space than they do on Earth, which has major ramifications for how engineers design materials used in space structure design.

"(So far) we have found that in reduced gravity, materials take much less heat to ignite—almost half than in regular gravity," Fernandez-Pello said.

The main difference lies in the different properties of air flow in zero gravity. On earth, hot air rises when it is heated.

In the case of a flame, heated air rises away from the flame. In a microgravity situation, the heated air remains near the flame, which causes it to burn hotter more quickly.

# Berkeley Welcomes New Center

BIOTERRORISM, from page 5

ple, answer a midnight call from a hospital emergency room."

Berkeley's own Alta Bates Summit Medical Center also welcomed the new center.

"Any opportunity we have to increase knowledge and communication capabilities, in such a way that we're all providing consistent informa-

tion, is a good one," said hospital spokesperson Carolyn Kemp.

Another goal of the center is to develop a training program for journalists who report on health and medical stories. The School of Public Health will collaborate with the Graduate School of Journalism to design classes and resources for working journalists who cover public health.

"It is very important to communicate to the public in such a way that they feel empowered, not victimized," said UC Berkeley professor Linda Neuhauser. "We'll be helping the media get information and figure out how to present it to the public."

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### FICTITIOUS BUSINESS NAME STATEMENT

**File No. 325183-325184**  
The name(s) of the business: (#1) Berkeley Outlet and (#2) Used Office Furniture Outlet, located at: 711 Heinz Ave, Berkeley CA 94710, is hereby registered by the following owner:

Berkeley Outlet, Inc. 711 Heinz Ave, Berkeley CA 94710.  
This business is conducted by a corporation.  
The registrant commenced to transact business under the fictitious business name of names listed below on 1978: (#1) Berkeley Outlet Registrant has not yet begun to transact business under the fictitious business name or names listed herein: (#2) Used Office Furniture Outlet  
This statement was filed with the County Clerk of Alameda County on November 13, 2002.

**Berkeley Outlet, Inc**  
**N.K. Walker, CFO**  
Registrant

Publish: 11/20/02, 11/27/02, 12/04/02

### NOTICE OF TRUSTEE'S SALE

Trustee Sale No. 02-02241  
Loan No. 11308594 Title Order No. 2704663 APN 056-1935-033 VA # LH-434361198911  
YOU ARE IN DEFAULT UNDER A DEED OF TRUST DATED 10/09/98. UNLESS YOU TAKE ACTION TO PROTECT YOUR PROPERTY, IT MAY BE SOLD AT A PUBLIC SALE. IF YOU NEED AN EXPLANATION OF THE NATURE OF THE PROCEEDINGS AGAINST YOU, YOU SHOULD CONTACT A LAWYER. On December 3, 2002, at 12:00 PM, ARM FINANCIAL CORPORATION as the duly appointed Trustee under and pursuant to Deed of Trust recorded on 10/30/98 Instrument 98382369, Book Page of Official Records in the Office of the Recorder of ALAMEDA County, California, executed by: JERRY A. MILLER, AN UNMARRIED MAN, as Trustor, MORTGAGE ELECTRONIC REGISTRATION SYSTEMS, INC., as Beneficiary, WILL SELL AT PUBLIC AUCTION TO THE HIGHEST BIDDER FOR CASH (payable at time of sale in lawful money of the United States, by cash, a cashier's check drawn by a state or national bank, a check drawn by a state or federal credit union, or a check drawn by a state or federal savings and loan association, savings association, or savings bank specified in section 5102 of the Financial Code and authorized to do business in this state). At: AT THE FALLON STREET ENTRANCE TO THE COUNTY COURTHOUSE AT 1225 FALLON STREET, OAKLAND, CA., all right, title and interest conveyed to and now held by it under said Deed of Trust in the property situated in said County, California describing the land therein: "As more fully described on the above mentioned Deed of Trust". The property heretofore described is being sold "as is". The street address and other common designation, if any, of the real

## LEGALS

property described above is purported to be: 2430 10TH STREET, BERKELEY, CA 94710. The undersigned Trustee disclaims any liability for any incorrectness of the street address and other common designation, if any, shown herein. Said sale will be made, but without covenant or warranty, expressed or implied, regarding title, possession, or encumbrances, to pay the remaining principal sum of the note(s) secured by said Deed of Trust, with interest thereon, as provided in said note(s), advances, if any, under the terms of the Deed of Trust, estimated fees, charges and expenses of the Trustee and of the trusts created by said Deed of Trust, to-wit: \$155,757.13 (Estimated) Accrued interest and additional advances, if any, will increase this figure prior to sale. The beneficiary under said Deed of Trust heretofore executed and delivered to the undersigned a written Declaration of Default and Demand for Sale, and a written Notice of Default and Election to Sell. The under-signed caused said Notice of Default and Election to Sell to be recorded in the county where the real property is located and more than three months have elapsed since such recordation. Date: 11/06/02, ARM FINANCIAL CORPORATION, P.O. Box 85309, San Diego, CA 92186-5309, Sales Information (916) 974-6099, General Information (858) 689-9735 SANDRA PENA, ASSISTANT SECRETARY NPP0099173 11/13/02, 11/20/02, 11/27/02  
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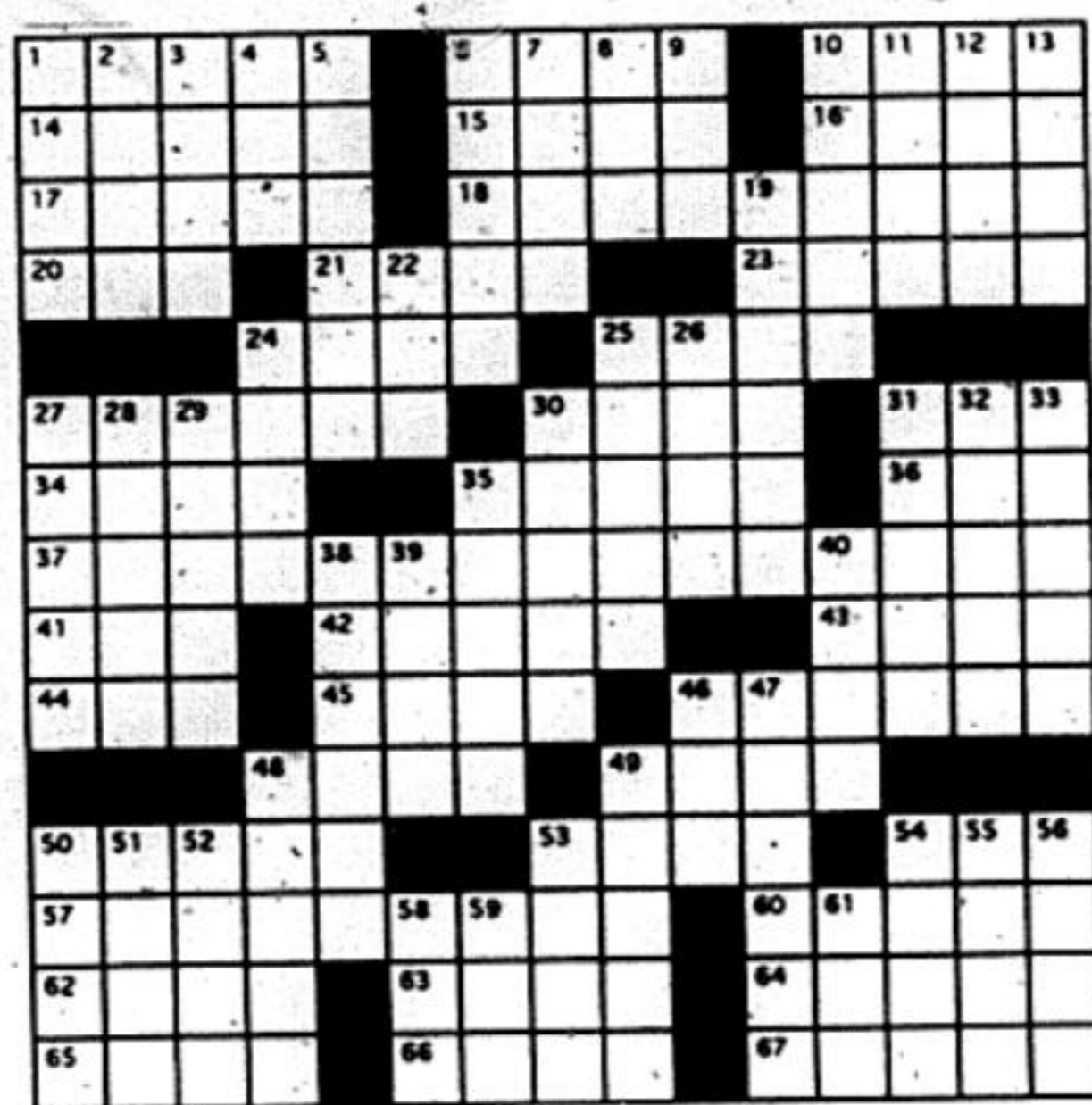
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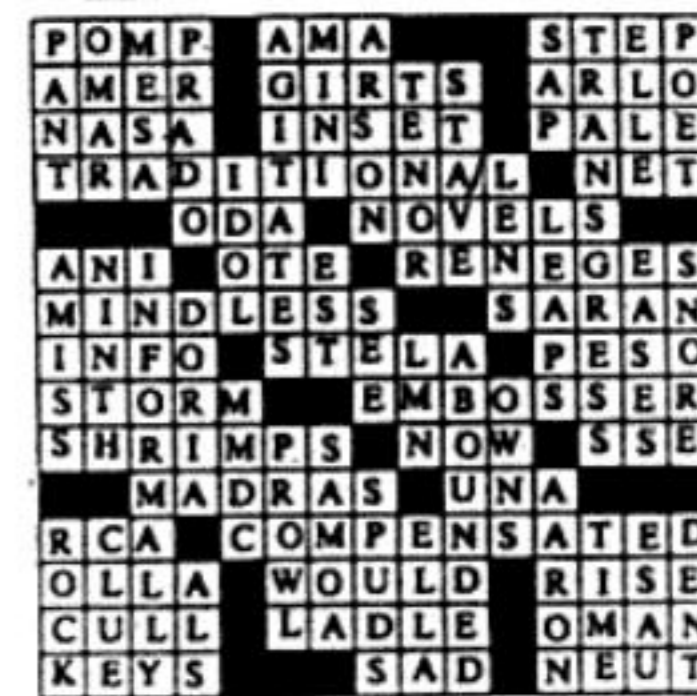
### ACROSS

- Jeer
- with; tolerate
- Part of a ticket
- Beverage
- Said aloud
- El
- Change
- Made legally binding
- Famous Chairman
- Way of conducting oneself
- Clear the slate
- Group of animals
- See 19 Down
- Warning sign
- Earring's place
- Eur. language
- Skating rink
- Domesticates
- Sticky stuff
- Outwits
- Suffix for depart or script
- Like a juicier peach
- Gambler's mecca
- Isr.'s neighbor
- Seed covering
- Bowl-shaped cavity
- tea
- Mouse's feature
- Get away from
- Overaid with gold
- Reverence
- Stuntman
- Stomach problem
- Canadian prov.

### DOWN

- Pigeon's pitfall
- Vending machine purchase
- Numerical prefix
- Unfriendly one
- Deil resident
- Cherished
- Shiraz's locale
- Harper, for short
- Samuel's teacher
- Bowling term
- "See ya"
- Takes advantage of
- Foretell
- Abhor
- Dander
- Linden and others
- Best of all hits
- "Wanna make \_\_\_?"
- Counterfeit
- Word with one or day
- 74% of the earth's surface
- Stereotype
- Long-legged bird
- Not you, or me, or anybody else - "it"; words of encouragement
- Lacking enthusiasm
- Drew over
- Take on
- Of an epoch
- Presidential nickname
- Ceremony
- Opinions
- Floor pieces
- Cheese-exporting town
- Stretch of lowland
- Ballet and ceramics
- monster
- Top
- Unwanted growth
- Misjudges
- Intuitive power
- Tub
- Recline

### ANSWER TO PREVIOUS PUZZLE



# DAILY HOROSCOPE

by SYDNEY OMARR

**GERALD L.K. SMITH:** This Pisces drew overflow crowds in auditoriums and parks; his messages were ones of virulent anti-Semitism, and he was also against minorities of any color. He had been one of Huey Long's chief lieutenants; when Long died, Smith and Father Coughlin formed the Union Party. Coughlin was dubbed the "Minister of Hate."

**ANES (MAR. 21-APR. 19):** You will be relieved of a financial burden; cash flow gets underway. You could be "madly in love," but leave some room for sanity. Libra, another Aries plays outstanding roles.

**TAURUS (APR. 20-MAY 20):** Emphasis on creativity, style and ability to be at right place at critical moment. Full Moon in your sign highlights sensitive emotional responses. Leo, Aquarius play roles.

**GEMINI (MAY 21-JUNE 20):** Family conference revolves around "fear of the unknown." Provide enlightenment without ridiculing beliefs of others. Focus on where you live, marital status. Cancer-native involved.

**CANCER (JUNE 21-JULY 22):** There should be a smile on your face; many of your dreams, hopes and wishes will become realities. You win friends and influence people. Popularity

is on the rise. Sagittarius in picture.

**LEO (JULY 23-AUG. 22):** Full Moon position at top of your chart indicates promotion, pride and standing in community. At the track, choose No. 4 post position in fourth race. Begin rebuilding program. Scorpio involved.

**VIRGO (AUG. 23-SEPT. 22):** Lunar position accents advertising, writing and publishing. Be discriminating; be sure you are in love with that "special person"—and not just in love with love. Gemini will play mysterious role.

**LIBRA (SEPT. 23-OCT. 22):** Major domestic adjustment could include actual change of residence, marital status. When you hear music, dance to your own tune. A bold Aries declares, "At times I can hardly keep my hands off you!"

**SCORPIO (OCT. 23-NOV. 21):** Define terms, get promises in writing. See people, relationships as they are and not merely as you wish they could be. Avoid self-deception. Pisces, Virgo natives will dominate scenario.

**SAGITTARIUS (NOV. 22-DEC. 21):** There will be a "work" shake-up in connection with duties at home or away. You will have added responsibility, more pressure and greater financial security.

**CAPRICORN (DEC. 22-JAN. 19):** Full Moon position reveals you will exude aura of sex appeal. Be careful and discriminating. Finish what you start; you will be on a "special mission." Libra will figure prominently.

**AQUARIUS (JAN. 20-FEB. 18):** Strive for greater independence of thought, action. You will help others to find suitable living quarters. Be creatively selfish enough to also aid yourself. Leo ignites love spark.

**PISCES (FEB. 19-MAR. 20):** Focus on partnership and marriage. Tonight you will decide on direction of goal. Through meditation, you discern why you are here, the purpose of your life. Cancer-native could dominate scenario.

**IF NOVEMBER 20 IS YOUR BIRTHDAY:** You are emotional, loyal and can be romantic to the degree of being passionate. You know plenty about food and its preparation; you most certainly could succeed in the catering business. Capricorn, Cancer natives play major roles in your life, could have these letters in names: B, K, T. Follow hunches in money and love. August of 2003 will be most memorable.

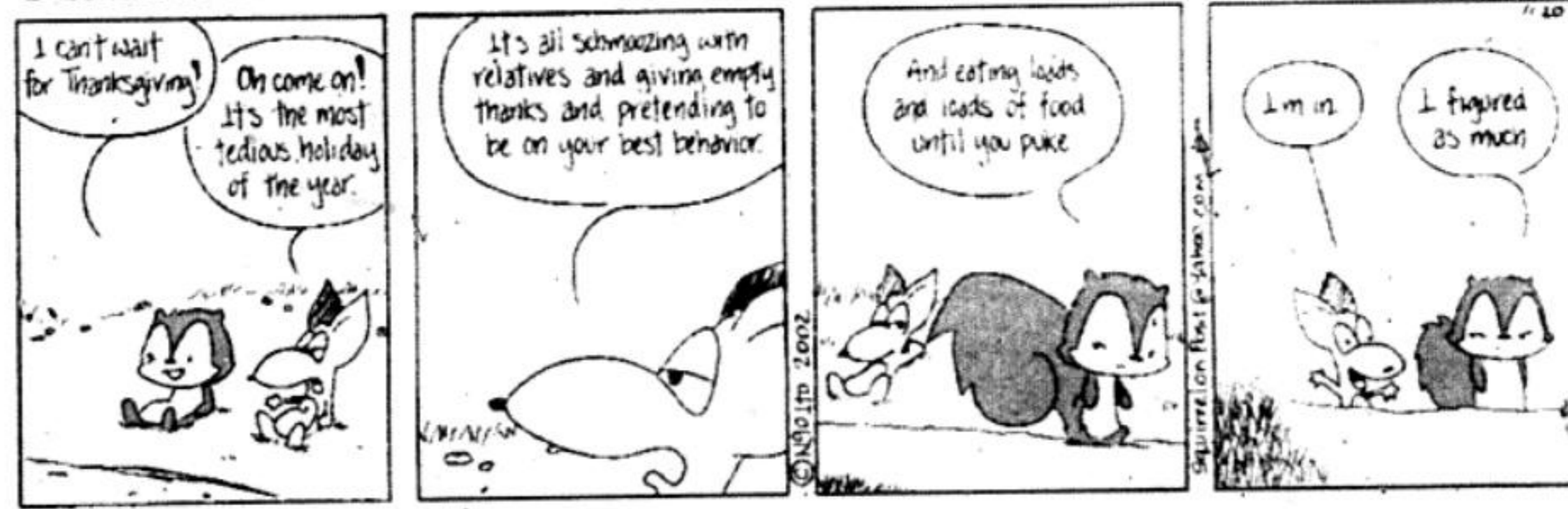
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## NUKEES



by NGO ITO

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# SPORTS

BERKELEY, CALIFORNIA

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Whine Cellar

## Powell's INTs Rival Acts of Almighty?



DAN HODES

It's Big Game week here in the Cellar, which can mean only one thing. College basketball started! And Stanford almost lost to Boston University! And the Bears open their season Saturday, when exactly four people will be paying attention! And I love using exclamation points!!!

**One hack's prediction for Saturday:** We'll take a big lead, then Jemeel Powell will give up a 22-yard pass to namesake Luke, and then the fans will start booing and declaring that we're going to lose.

**Oh, and this:** Cal 35, Stanford 24. **Next on "When Headline Writers Go Bad!, The Non-Sequitur Attacks!"**—Cal's media relations packet on Saturday's game includes this headline: "Divine Intervention: Powell's Next Interception Will Tie Him For 5th on Cal's All-Time List."

**I love The Play as much as the next guy, but still...** Flip books commemorating the 1982 win will be handed out before the game.

**Just one thought from last week's debacle:** Makonnen one catch, Bears lose? Just sayin'.

**The NCAA amazes me again, part I:** Spouting some absolute crap about our academic standards, Cal's bowl ban was not overturned on Monday. You'll note the one-year bowl ban was the same received by Alabama, who merely tried to buy a recruit for \$350,000.

**The NCAA amazes me again, part II:** Kudos to the No. 13 Bears women's soccer team for playing their collective hearts out in a 1-0 overtime loss on the home field of No. 1 Stanford. Of course, it never should've come to this, what with unranked crap like Villanova, Florida State, and Maryland getting home games due to the asinine local-centric nature of the tournament.

**And while we're handing out kudos:** Laura Schott became the school's all-time leading scorer in the first-round win over Denver, who also happened to be a top-20 "local" team thrown in Cal's way. With that, Schott can rightfully claim to be an all-time great at this school. Which is pretty damned cool.

**Couldn't help myself:** It was fun cheering for Ryan Forehan-Kelly in his "EA Sports" uniform, even as he and his role player friends were taking the men's basketball team down to the wire in a rather weird exhibition game.

**And one more thought from the EA game:** Was that guard really named Jan Michael-Vincent?

**Perhaps you missed it from the opening, but it deserves reiteration:** Stanford men's basketball? Bad.

**I appreciate the sentiment, but perhaps the timing was a bit off.** I think the Big Splash is an exciting event, and I hope I can make it before the Big Game...but having Russell Bernstein address the crowd right after Arizona took an 11-point lead probably didn't impress the fans much.

See CELLAR, page 6

## Point Men Key to Keeping Bears Out of Rebuilding Mode

Editor's Note: The Cal men's basketball team tips off its season Saturday night at New Mexico. This is the first in a weeklong series of previews. Tomorrow, we grade the wings.

by **ELI MILLER**  
CONTRIBUTING WRITER

For the last three years, it seems not a sentence was said about the point guard position for Cal without the word Shantay mixed in somewhere.

Starting with Saturday's season opener at New Mexico, Bears fans will need an expanded vocabulary to describe the team's floor-generals.

In August, Ben Braun seemed to have an embarrassment of riches at the one, with a four-year starter in Shantay Legans, sparkplug backup A.J. Diggs and the addition of blue-chip freshman Richard Midgley.

That changed drastically when Legans unexpectedly transferred to Fresno State.

Now, the Bears are facing major uncertainty at the point, and the key words will be adjustment and health.

Junior Diggs will begin the year as the starter, and try to prove he can make the leap from a standout backup to full-time leader.

Midgley will challenge Diggs for minutes and possibly the starting spot, especially as he recovers from a quadriceps injury that sidelined him through much of practice. Braun has stressed that the job will go to whoever earns it in practice and games.

Diggs should know all about this, after taking over for Legans for six games in the middle of last season.

Braun also expects to put the duo in the backcourt at the same time, with Diggs at the one and Midgley at the two.

"A.J. and Richard are a very solid combination," Braun said back in September. "I feel very good about them being different."

Senior Donte Smith, who has spent the last two seasons planted on the

See HOOPS, page 6

### THE CAST

A.J. Diggs (Jr.) 5-9, 175  
Richard Midgley (Fr.) 6-1, 200  
Donte Smith (Sr.) 6-2, 190  
Tashaan Forehan-Kelly (So.) 6-3, 170  
Martin Smith (Fr.) 5-11, 155

### SCORING

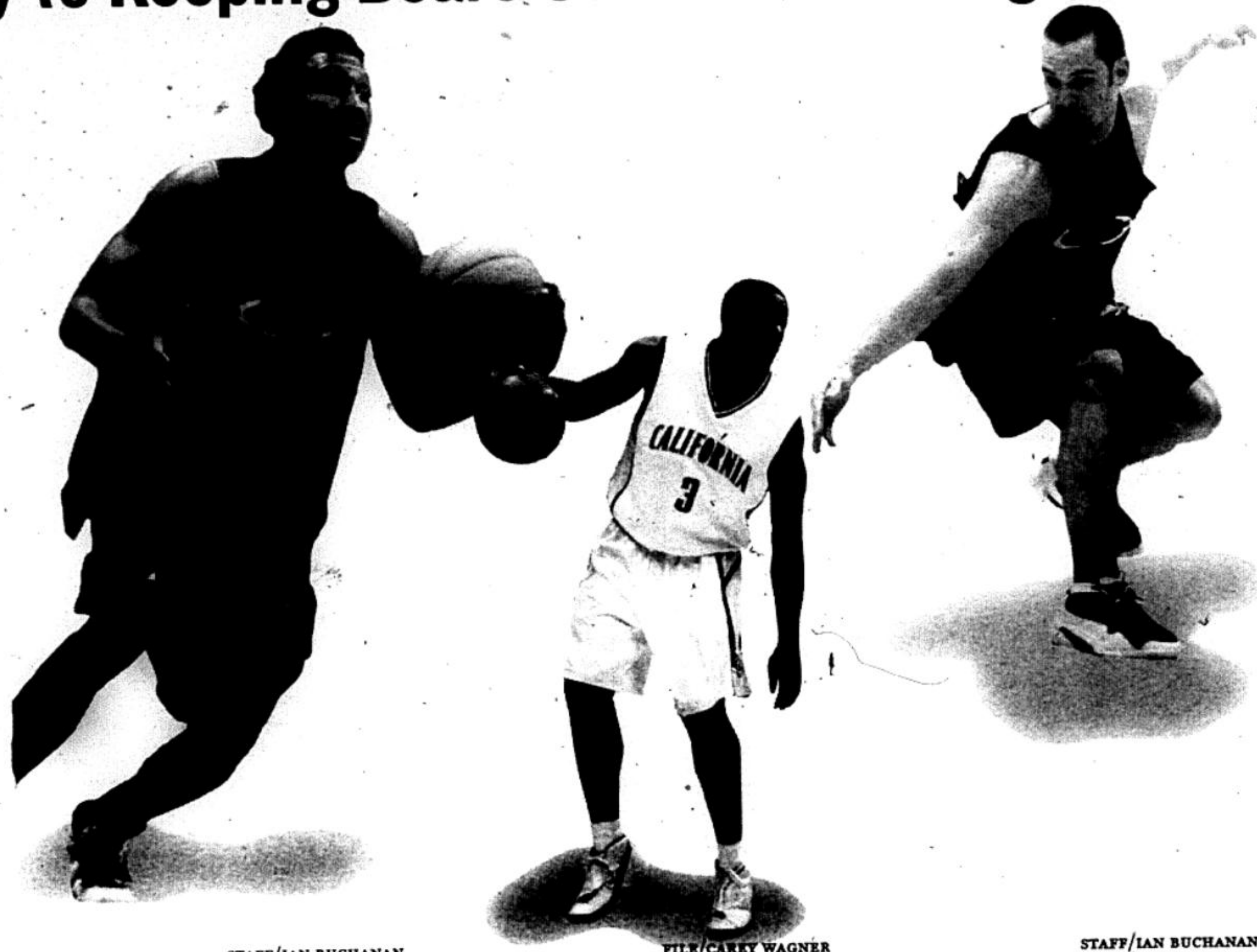
Last season, Cal point guards accounted for only 12.7 of the team's 72.2 points per game, and 8.1 of those came from Legans.

This year's crop has the potential to generate some offense, but the emphasis for the position will still be defense and floor leadership.

Midgley has excellent range and a knack for creating his own shots off the dribble, and showed both while scoring 20 points in the exhibition opener Friday. However, he has looked sluggish and inconsistent at other times in exhibition action.

Diggs has a knack for penetrating through the lane and getting to the basket, but his shot is weak. He spent most of the offseason trying to improve his jumper, but his form has looked suspect in Cal's exhibition games.

Smith showed flashes of raw offensive brilliance and good range toward the end of his first year. But his inconsistency left him on the bench for much of the last two seasons. If he sees significant minutes off the bench this season, he will likely play the role of an offensive sparkplug.  
Grade: B-



STAFF/IAN BUCHANAN

FILE/CAREY WAGNER

STAFF/IAN BUCHANAN

A.J. DIGGS (LEFT), and Richard Midgley (right) will compete for the starting spot this season. Senior Donte Smith (center) is likely out until the start of Pac-10 play in January but should be a key backup when he gets back.

### DEFENSE

If Cal's point guards have the chance to stand out in one area, it will likely be on defense.

Diggs has made his name by playing frantic, disruptive defense.

Last season, Diggs was tenth in the Pac-10 with 47 steals, despite averaging only 16 minutes a game. He has the quick hands, feet and mouth to be a force.

The Bears will need Diggs on the floor as much as possible to in a conference loaded with quality point guards.

Midgley has displayed some of the fundamentals of solid defense, though he lacks the speed to be a great natural defender.

However, he is capable of turning himself into a solid defender because of his high basketball IQ and ability to learn quickly.  
Grade: B

### BALLHANDLING

Aside from a penchant for hanging on to the ball too long, Diggs possesses strong ballhandling skills.

Last season, he showed the ability to break down almost any defender off the dribble, a skill that would become even more valuable if his shot improves. Diggs also has the evasive talent to dribble out of double teams.

Midgley does not possess the same one-on-one skills as Diggs, but he is capable of dribbling out of tough situations. The ballhandling ability of Cal's other starters, Joe Shipp Brian Wethers and Amit Tamir, takes some pressure off of the point guards.  
Grade: B+

### REBOUNDING

Diggs is strong and has a nose for the loose ball.

The most obvious limiting factor of the rebounding ability of Cal's point guards is the collective height of the unit.  
Grade: C+

### VISION

This is likely where Legans will be missed most. Diggs is not a natural point guard, and has yet to prove he can run the offense with a steady hand.

Diggs' ability to penetrate often results in dishes to low post players. From the perimeter, he has a tendency to either force passes or take too much time to create his own shot.

Midgley has shown promise as a floor general, earning high marks from scouts on his ability to run an offense. However, he is still a freshman and will have growing pains learning schemes.

Though Donte Smith started at point guard as a freshman, he approached the position with a shoot-first mentality, committing 44 turnovers against only 41 assists.

Once again, the abilities of their teammates, particularly Tamir, could make things easier. Braun will likely tell his point guards to make smart plays and take care of the ball as opposed to dominate the offense.  
Grade: B-

### EXPERIENCE

The youth of the point guard unit and the departures of Legans and Dennis Gates makes this one of the weakest areas on the team.

Only Smith and Diggs have started, and they have combined to start only 20 games, though Diggs played down the stretch in the biggest games last season.

Forehan-Kelly has one more year of experience than the four freshmen point guards, but played in only seven games last year.  
Grade: C-

### DEPTH

Slim to none. Though the roster has seven players 6-foot-3 and under, the Bears will be in big trouble if they lose either Diggs or Midgley.  
Grade: C-

### TOUGHNESS

This area is a question mark mainly because of the unit's lack of experience.

Diggs has proven that he can take charges and pop right back up, but he has not endured a full regular season with significant minutes in each game. If he can translate that intensity to a full game, he could shape the identity of this squad.

Midgley is also untested at the college level, but his 200-pound frame suggests that he is more durable than other point guards.

Donte Smith's durability will be tested once he comes back from his high injury.  
Grade: B-

## SPORTS IN BRIEF

### Volleyball Scores Season's Biggest Win

The Cal volleyball team came from behind to upend No. 11 Santa Clara in five games.

Down two games to none, the Bears (18-10, 7-10 in Pac-10), battled back behind a career-high 29 kills by Leah Young.

Cal was without star Mia Jerkov, who did not play due to an aggravated ankle injury.

"That was pretty big to play with that type of intensity and for us to believe in ourselves without Jerkov," coach Rich Feller said.

Freshmen Jessica Zatica and Jenna Brown had 14 and 13, respectively, while Caity Noonan just missed a career high with 72 assists.

The Broncos (23-5) are the highest-ranked team the Bears have beaten this season.



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