



E. Adams/The California Tech

The crisp Broad Walk paves the way to the newly completed Broad Center. A two-year project initiated by a seed grant of \$23 million from namesake Eli Broad, the 120,000-square foot facility boasts a broad array of cutting-edge technology, with lab equipment running the gambit from genuine cryoelectron microscopes to a state-of-the-art Magnetic Resonance Imaging center.

Two Years and \$23 Million Later, Broad Opens Doors

By ROBERT LI

After two years of construction, September 10, 2002 ushered in a new era of biological research at Caltech with the grand opening of the Broad (pronounced "buh-rod") Center for Biological Sciences.

Facilities provided by the Broad Center will include a magnetic resonance imaging lab in the basement with three fMRI machines, microscope labs with two cryoelectron microscopes (one of which is liquid-helium cooled) and lab space for 13 groups. Research in the building will focus on magnetic imaging, computational molecular biology and the investigation of the biological nature of consciousness, emotion and perception.

Major funding for the Broad Center was provided by a leadership gift

of \$23 million from Edythe and Eli Broad. Eli Broad is the chairman of AIG SunAmerica, a financial company that specializes in investment services and retirement planning. Mr. Broad has also been a Caltech trustee since 1993. The gift from the Broads was part of a \$100 million fund-raising drive for the biological sciences at Caltech that included contributions from thousands of alumni across the country.

According to Broad, "Biotechnology, more than any other scientific discipline, has the greatest potential to significantly improve the human condition... for that reason, my family and I are proud to support Caltech's scientists and their groundbreaking work that will no doubt take place in this building."

James Freed of the Pei Cobb Freed & Partners was the lead de-

signer of the Broad Center. The design is ultra-modern in style with embossed stainless steel walls on the three sides facing away from campus.

On the southern face, a travertine face was included to complement the more traditional style of the Beckman Institute. Architecturally, the center measures 120,000 square feet with 5 floors: 3 above ground and 2 below.

Inside, there are labs and offices for 13 research teams, conference rooms, a compact library, an auditorium, and a seminar room. In the basement is the MRI center and the cryoelectron microscopy center.

The latest and most advanced construction techniques were used to ensure maximum flexibility. For instance, removable sidewalk pan-

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CEFCU, Student Services Among Summer Moves

By JON FOSTER

In what many have called the most ambitious construction effort in the past four years, this summer saw a full slate of facilities relocations and renovations.

The project to consolidate most of the offices important to students in one convenient location is nearly finished; the old residence halls Keck and Mosher-Jorgensen have finished their transformation into the Center for Student Services (CSS). Located just south of the Holliston parking structure at 414 S. Holliston, the CSS now hosts a bevy of important services.

Last year the CSS held such groups as the Caltech Y, the Women's Center, the Career Development Center, the offices for Multicultural Education and Student Affairs and the International Student Program.

Now, joining these in the south wing are a wide variety of other services. On the first floor are the Bursar's Office, Financial Aid, and the Office of the Registrar, moving from Hill Street, Steele House and Parsons Gates respectively. The 2nd

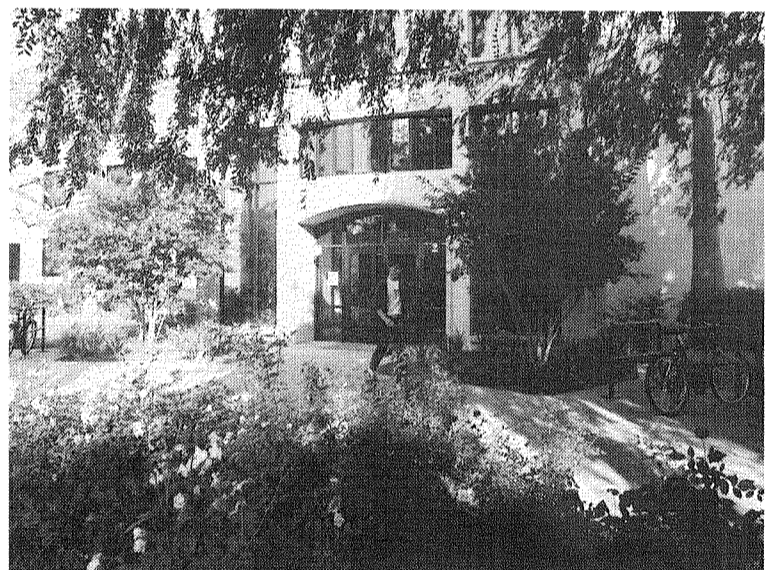
floor is the new home of the Dean of Graduate Studies, the Dean of Students and the VP for student affairs (all moved from Parsons-Gates). Finally the top floor puts Undergraduate Admissions in a central location and also moves the office for Fellowship Advising and Study Abroad out of the basement of the SAC.

The third floor contains a few lesser-known offices, primarily Student Info Systems and Student Affairs System Analyst.

The moves in the CSS are now complete, and construction is finished on the building, leaving students with the unfortunate choice of a winding outdoor staircase around back or the world's slowest elevator if they wish to visit any of the offices on the second or third floors. The halls in the south wing retain a claustrophobic sort of rats-in-a-maze feeling, greatly enhanced by all the doors which remain shut all the time with large "Staff Only" signs.

Still, having Financial Aid, the Bursar and the cashier all in one

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E. Adams/The California Tech

The Center for Student Services on Holliston Street now hosts offices for the registrar, bursar and Financial Aid.

In Green's Absence, Rypisi Fills Deanship

By RUMI CHUNARA

When students arrived back this fall, they noticed faces new and old, and even a face or two in a different place. One is that of Candace Rypisi, director of the Women's Center, who is filling in as associate dean of students for Barbara Green.

Ms. Rypisi undertook this responsibility in mid-August, and will continue to fill in until the beginning of the winter term while Dr. Green is in Copenhagen.

Having worked for 10 years with women in colleges, Ms. Rypisi is experienced in interacting with student populations. This is a major reason she was selected for the position. In addition, having a female member of the Dean's office makes the office more accessible, said Dean of Students Jean-Paul Revel.

"Ms. Rypisi has a great interest in the students, and willingness to hear them speak," he explained. Ms. Rypisi agreed

that this position gives her a greater opportunity to work with students, and provides her with broader insights and a stronger sense of the academic issues that surround students.

Ms. Rypisi has served as administrative director for the Women's Resource Center at Cornell University, and has been a project coordinator for the Office of Women's Programs and Studies at Colorado State. She has been at Caltech for about one year.

Ms. Rypisi will be in the Dean's office from 1:30 to 3:30 every weekday, and she continues to work full-time at her position in the Women's Center. A new position, Assistant Director for the Center, will be arriving next week to lighten her workload while she fills both positions.

Although she has no immediate plans to change careers, Ms. Rypisi said she is content with her temporary role.



E. Adams/The California Tech

Nestled away in her new chair, Women's Center Director Candace Rypisi is poised to take on the reins of the associate deanship formerly held by Barbara Green, who is spending the term in Copenhagen.

VECTORS ART CONTINUES TO FUEL DISSENT

MEETING CALLED TO RESOLVE

Baltimore and Other Representatives at Odds on sculpture

By TAMMY MA

Nearly a year after its initial proposal, controversy continues to abound the *Vectors* project. *Vectors* is intended to be a steel sculpture by Minimalist artist Richard Serra to be placed in a zig-zag pattern across the lawn between Beckman Institute and the new Broad Center. Designed to gradually rise from ground level to seven feet tall, administrators adamantly insist that it will not block a head-on view of the

Continued on Page 7, Column 3

Sleep, 'Balance' Top Priorities For New Health Educator Curtis

By JIALAN WANG

Students at Caltech are unique in many ways, and the challenges we face must also be dealt with in unique ways. In this high-stress environment, we often face sleep-deprivation, psychological distress, and other obstacles to our good health and educational success. Earlier this year, the full-time position of Health Educator was created to help us cope with these issues.

The health educator's job is to provide health promotion programs on topics including stress management, nutrition, sexual health, alcohol and other drug use and abuse, balancing academic and social activities, and general health and wellness to enhance students' overall experience at Caltech. The position was created by a collaboration between Dr.

Deborah Southerland, psychologist at the Counseling Center (who previously worked part-time on the alcohol and drug prevention program), Dr. Kevin Austin, Director of the Counseling Center, and Ms. Divie Bautista, nurse practitioner at the Health Center. In July, Jane Curtis was hired to fill this position.

Originally from Virginia, Ms. Curtis is a valuable addition to our Caltech Community. She displays the sort of quick intelligence and incisiveness that has come to be expected not only of Caltech students and faculty, but also

of our staff members. Her assertive friendliness and engaging demeanor make her ideal a position that requires so much direct interaction with students. Ms. Curtis also comes with an impressive background of work with students. Having done her graduate at Oregon State University on incorporating a male-only peer education group into the community health initiative, she has also worked in the Health Center, Women's Center and Student Affairs departments of California State University and Oregon State University. In addition, she was the lead investigator for an award-winning 18-month research study (1997-98) that investigated changing students' attitudes towards rape.

The California Tech caught up with Jane Curtis to discuss her plans, projects, and ideas.

It is your belief that Caltech students should have a more well-rounded education, involving much more than just learning science and doing problem sets. How do you hope to get your message across to both students and faculty? What are the major obstacles to achieving a more balanced experience for students?

Jane Curtis: One of the major obstacles for achieving balance in students is that Caltech culture supports dedicated, committed scientists, and sometimes well-being gets overlooked. However, the Caltech students and faculty are extremely bright and motivated and I don't believe it will be terribly difficult

"Working with students to increase awareness... allows for well-rounded, healthy scientists."

Health Educator Jane Curtis

BROAD AND PROUD



E. Adams/The California Tech

With a refined coffee menu and Caltech's only New York-style deli, the new Broad Cafe is a popular lunch outlet for budding biologists. The cafe joins Avery House, Chandler and the Red Door Cafe as one of the more popular eateries.



E. Adams/The California Tech

Palm trees line the grounds of the new Broad Center, part of a targeted architectural plan conceived by world-renowned designer Eli Freed.

to convey the importance of being healthy.

In general, people know the benefits (and costs) associated with their health behaviors. My hope is that by being an accessible and knowledgeable resource, students and faculty will seek out assistance when it is necessary. I will be doing a fair amount of outreach to the students in the houses and have already starting working with the GSC. Working with the students to increase awareness and knowledge of healthy behaviors, or assisting them in making healthy changes they already know they need to make, allows for successful, well-rounded, healthy scientists and researchers once they graduate. I believe this is something Caltech can be proud of.

What are the major health risks that you observe among Caltech students?

JC: Sleep deprivation appears to be fairly common. I believe students learn quickly that four to five hours a night sleep negatively impact their lives in a number of ways, and they cannot continue this for too long. Sleep serves a restorative function for the body and is necessary to perform many cognitive and physical tasks. It also appears sleep may be important in the consolidation of long term memory; an important component to learning material that will need to be applied later.

In January, I am starting a student-centered

advisory council. The purpose is to learn from the students the types of programs they would like to see, brainstorm ideas about our next health fair and to give them a chance to learn about health issues. This informal monthly gathering will be fun-filled too and desserts will be offered.

What are the positive health behaviors that you've observed among Caltech students?

JC: A couple come to mind quickly: exercise and playing a musical instrument. Since my office is in the Student Activities Center (next to the laundry room), I often see many students with their instruments making their way to the practice rooms. Music is very relaxing and provides the students with a chance to unwind, make new friends and continue a hobby that is important to them.

Regarding exercise, I am pleased to see the fields full of students in the afternoon or in the gym when I am working out. I created a bulletin board outside my office that has a question of the week series, a space for students to ask anonymous questions, free condoms, free brochures, etc. Recently, I posted the Physical Education and aerobic schedule and continue to replenish the supply! This is very encouraging since exercise has many benefits, including being a natural stress reducer and it aids in restful, deep sleep. Not many campuses provide gym memberships and free towel and locker service. It's great that students are taking advantage of this resource.

Jane Curtis works in Room 64 of the Student Activities Center and welcomes visits from students.



E. Adams/The California Tech

Beckman Auditorium plays host to one of many receptions in the famous "Wedding Cake," where the campus saw a number of alumni and community faces this week.

BALTIMORE, BROAD CELEBRATE OPENING OF BIOLOGY BUILDING

HOUSES STATE-OF-THE-ART MRI CENTER

'Testament to Genius' of Popular Architect James Freed

Continued from Page 1, Column 3

els on the south side of the building will allow superconducting magnets to be directly lowered to the MRI center and the foundation for that part of the building is made of fiberglass reinforced concrete rather than the usual steel so as to minimize interactions with the magnetic fields of the instruments.

Also of interest is the Broad Cafe located on the east side of the building, which features a New York deli-style menu and a coffee selection said to please even the most discerning of connoisseurs.

Eight groups currently occupy the building, led by Doug Rees, Pamela Bjorkman, Grant Jensen, and David Chan on the 3rd floor; Erin Schuman and Kai Zinn on the 2nd; and Niles Pierce and Steve Mayo on the first.

At the opening ceremony, President Baltimore remarked that "The Broad Center adds a distinguished architectural achievement to Caltech's already beautiful campus. It is a testament to the generosity of many friends of Caltech, led by Eli and Edythe Broad, and to the genius of James Freed, its design architect."

"Most importantly, it's a highly functional building, providing a framework for advances in the biological sciences in the 21st century."

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World News: Tension in Iraq, Ivory Coast Strained

By SAM HSIUNG

The issue of going to war with Iraq has been a hotspot in the news in recent weeks. Below is a chronicle of this week's past events concerning Iraq and the War on Terror, as well as other world news:

Six people have been taken into custody, charged with being part of a terrorist cell. Among them are five U.S. citizens and an army reservist. Federal officials have obtained evidence that the six attended terrorist training camps in Afghanistan prior to September 11th. A federal grand jury has indicted them on charges of conspiracy to levy war against the US and conspiracy to provide material support and services to Al Qaeda and the Taliban.

The U.S. began a psychological warfare campaign warning Iraqi forces not to target allied troops and combat jets. Last Thursday, British and U.S. combat jets dropped 120,000 leaflets warning Iraqi anti-aircraft forces not to fire at allied aircraft that patrol the no-fly zone in northern and southern Iraq. The leaflets, written in Arabic, threatened immediate retaliation against Iraqi forces who try to stop patrols of the no-fly zones.

Russia and China reiterated their position against unilateral US military action against Iraq. Chinese Prime Minister Zhu Rongji warned that the U.S. would face "severe

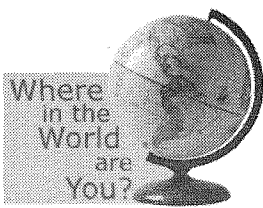
consequences" for initiating military action against Iraq. Zhu was traveling in Copenhagen, Denmark when he made these remarks. When asked how concerned he was about the threat of unilateral US military action against Iraq, he responded: "We request that Iraq comply with U.N. resolutions without any preconditions and accept the U.N. weapons inspections."

From the Kremlin, President Vladimir Putin urged a return of weapons inspectors to Iraq. Russia has also been firmly against a new UN Security Council resolution being pushed by the US and Great Britain calling for new powers to search for weapons of mass destruction and military

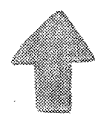
backing against Iraq.

A Florida sailor was rescued forty miles off the coast of Florida. The man, Terry Watson, 43 had been stranded for approximately two months starting July 23rd when his 23-foot sailboat was reported lost. A search covering 8,000 square miles over two days turned up nothing. He is reported to be in stable condition.

Ivory Coast rebels and government officials agreed to sign a ceasefire ending sixteen days of hostilities. Earlier last week, American special forces were sent into the region to rescue 200 American school children who were trapped in fighting.



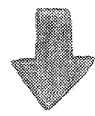
CALTECH CONVENTIONAL WISDOM WATCH



A Broad success: Freshly brewed, Broad's coffee bodes well for sleepy biology students; no longer will slumber brood over their bods.



The Registrar: Just when you thought you had her, she jumps ship in a Holli-stunning move. But hey, at least the counseling center's nearby when you get your schedule.



Vectoring away: Blah, blah, blah... the debate drones on, "discussion" after tearfully boring "discussion." Newest tactic: if you can't beat 'em, bore 'em!

RESEARCH ASSISTANT

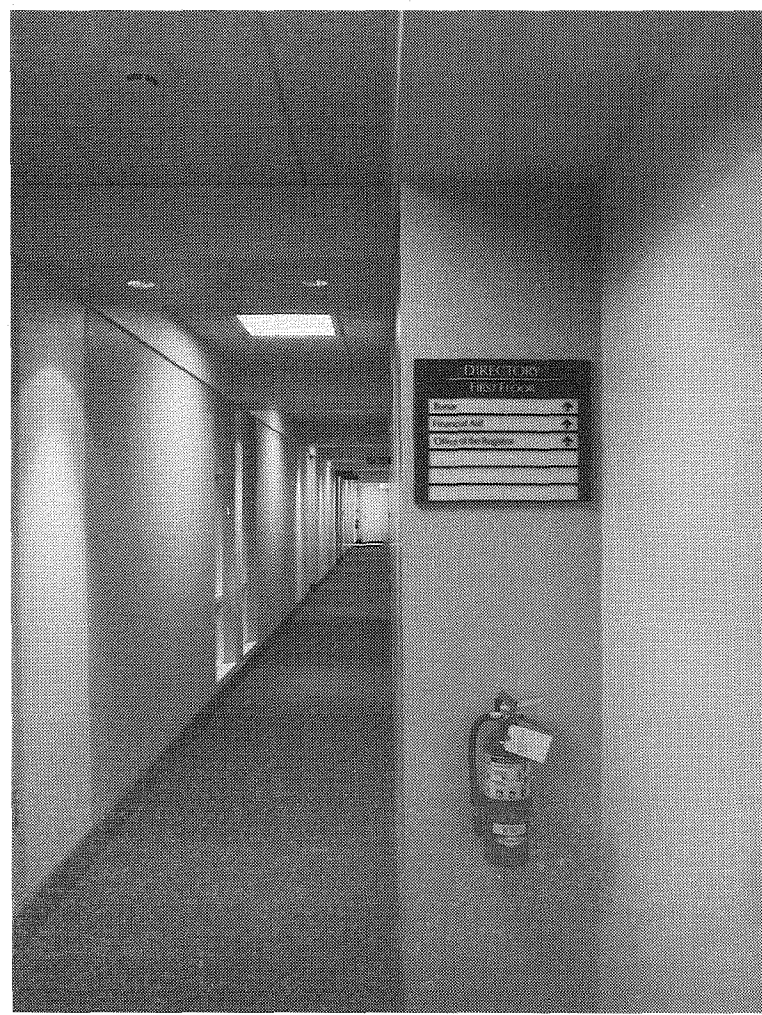
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The Registrar and various deans' offices have moved to the newly enlarged Center for Student Services on Holliston Ave. as part of an unprecedented summertime relocation frenzy.

With New Corridor, Enlarged CSS Sees Summertime Shuffle

Continued from Page 1, Column 5

place is enough to make up for the architecture. No longer must one visit Financial Aid in Steele house, cut through the area behind the parking structure, wander up Hill to the Bursar's and then locate the correct hole in the wall of the garage behind a house in order simply to deposit a check.

The one other major move of the summer was the Caltech Employees Federal Credit Union, which relocated from the basement of Keith Spalding to 515 Wilson Ave. This time the move was not in order to provide a more central location, but to provide better facilities.

"We have a goal of being a more integral benefit to the Caltech com-

munity," explained Brian Spritzer the branch manager. The old office was simply too small, he said; the new office has twice as many windows for tellers as well as an entire room for the loan department, which now offers much greater privacy.

The new location also features five parking spaces reserved for members and will allow the branch to offer more cash and eventually traveller's checks. In addition, the location is simply a more pleasant place to bank and work. "Windows mean a lot," laughed Sandra Lawson, a loan officer, "We don't need to ask members what the weather's like."

Letters: More Vectors

Please Stop Vectors

Dear editors,

I was horribly disappointed to learn of the *Vectors* installation. Hearing it described to me by a friend, I was struck by its resemblance to an atrocity called *Tilted Arc* which I had lampooned in a high school speech. My fears were confirmed when I determined that the artist commissioned to create Caltech's latest piece of public art was in fact the same Richard Serra who created *Tilted Arc* in 1981. This construction consisted of a 120-foot long steel wall, 12 feet tall, cutting diagonally across the New York Federal Plaza. Workers in the nearby buildings were forced to walk around the sculpture daily, and eventually began a letter-writing campaign and lawsuit to have the sculpture removed. A public hearing concluded that the work should be removed. Besides making it impossible to walk through the square, it attracted graffiti and rats from public use, and, some said, could even be used by terrorists as a blasting wall for bombs.

Serra's response: "I don't think it is the function of art to be pleasing. Art is not democratic. It is not for the people." Mr. Serra, if art is not

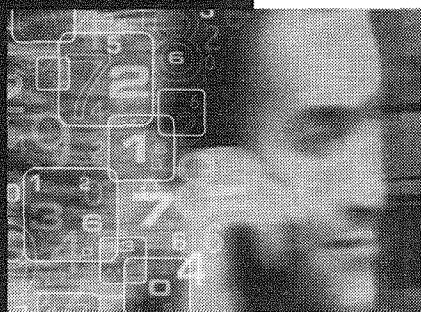
for the people, then why should it be displayed in public? If it is not meant to be appreciated by the people, then wouldn't the ultimate expression of minimalist art be to not build the thing at all? If not for the people, then Serra's only possible audience must be the artist himself. But this only highlights the futility of construction. Serra already know what the effect of *Vectors* will be: "As one drives along or walks the site, the sculptural configuration foreshortens and extends, compresses and expands the entire field and its urban surroundings, continuously redrawing the viewer's relationship to the landscape and the architecture." Almost sounds interesting, until we realize that this is his canned line. Serra on *Tilted Arc*: "As [the viewer] moves, the sculpture changes. Contraction and expansion of the sculpture result from the viewer's movement. Step by step the perception not only of the sculpture but of the entire environment changes."

Sure, the wording has changed a bit in the past 20 years, but if such public minimalist art is in fact worthwhile, shouldn't somebody get something out of it? Shouldn't the artist himself evolve? Even the title, *Vectors*, seems a feeble attempt

Continued on Page 4, Column 4

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Rotation: A Staged Show?

Freshman Questions Excesses of the Rotation Ritual

By MATTHEW WALKER

Before the meal, you meet older members wearing identifying attire, who we'll call clansmen, and your fellow visitors, to be referred to as initiates. Everyone makes small talk. You tell everyone what you like about California, what sports you play, what you do for fun, and what kind of experience you're looking for. The older members enthusiastically tell you how their clan meets your needs and how great the place is, not to mention how much better their lives are for living there.

Suddenly, the most senior member, whom I henceforth designate the Prefect, calls for silence. The meal is about to begin. Everyone quickly files in to the dining hall to the ringing of a chime and finds their place. Overturned plates designate seats for interested visitors. Nobody sits until the chime stops. You were warned ahead of time that breaking this rule will have "consequences."

Everyone eats quickly and silently. The Prefect calls for attention again and makes a few announcements. Then comes the unfortunate part. Several members have broken rules and must receive their penalty. The message is clear. Break the rules, and you will be punished. The Prefect proceeds to dismiss the group after meting out punishment.

A reception follows the meal. You find that this organization creates strange food dishes that are often not tasty. Though many clansmen partake in the mysterious food, the commotion prevents anyone from noticing whether or not you too, take the food. Again, initiates and

clansmen make small talk, but the crowd quickly thins out as the clansmen return to their daily rituals, and the less interested initiates slip away. If you decide this sect is right for you, you can stay and find out more, but otherwise, this is your last chance to still escape.

"The moral of the story is that upperclassmen shouldn't put on a show for the prefrash."

Though it may seem like this scene describes a cult initiation, it is actually a representation of the rotation experience at the proverbial "Booty" House. After experiencing the rituals of Booty House and those of all the other fine houses, it is time for the prefrash to decide whether he should choose Booty House or eliminate it on his Rotation selection form.

His decision will depend a variety of factors, including how many older members he talked to, how interested they seemed, what type of things the house did during dinner, what the members told him about the house, and what other people told him about the house (excuse me, what opinions other people expressed about that house). And as different as every house thinks it is, virtually every house does the exact same thing during rotation.

To the naive prefrash, house selection will be determined by his own distorted self-image (really, can anyone going to Caltech really consider himself cool?) and the reputation of the house. Only by

spending extraordinary amounts of time at a certain house can a prefrash find out what a house is really like. Asking questions like "Why should I choose Booty House?" inevitably draw the reply, "because we're better and cooler and more fun and we're more unified and we have a bunch of types of people who all get along just fine," which obviously doesn't help at all. Of course there is also the age old "Don't you mean, why should Booty House choose you?" Which doesn't help either and brings me to my next point.

All but the cockiest or densest prefrash (incidentally, replacing "the cockiest and densest" with "80%" yields the same number of prefrash) realize that rotation is a two-way street. Every house wants to get the prefrash who fit into their house the best (whether they believe it or not; ask the Flem secre-

tary how he ranked Fleming during rotation) so it's both a blessing and a curse to get the house to know you. If they like you, you're in, but they may decide that they don't like you, and they don't want you...ever.

Similarly, the houses need to realize that some effort is involved in finding the best-fitting prefrash. If, for example, Booty House was the bad-ass house by reputation, they could rely on their reputation to select suitable housemates. But what about the prefrash that were bad-ass math wizards that think their bad-assness extends to regular behavior? Upperclassmen ditching Rotation has a short-term benefit: not having to hang out with prefrash, but then you have to leave the decision completely up to the President, who had to show up every night, by himself.

The moral of the story is that upperclassmen shouldn't put on a show for the prefrash. Every house definitely doesn't need its own movie. It would be pointless to give a lesson for prefrash, since no prefrash are going to read this ever

(we're all regular frosh now for those of us that have a history of missing the glaringly obvious). Not to mention of course the lesson for upperclassmen will be long forgotten by the time Rotation rolls around again.

So the real moral of the story is that everything you really need to know, you learn the first day after the end of Rotation.

Question of the Week

Do upperclassmen give freshman honest impressions of their houses over the course of Rotation?

PHOTO OF THE WEEK



Students and prefrash in Blacker enjoy dinner Friday evening. Desserts were thrown to the students from the roof or occasionally splattered on the bricks. One dessert landed on the treehouse roof, but was rescued. The tables were cleared away quickly after dinner for "shopping-basket runs."

E. Adams/The California Tech



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Letter: Serra Quote

Continued from Page 3, Column 5

to pander to his known audience. But I would hope the Caltech community would be quick to recognize that this sculpture has no directionality. "Line segments" would be more appropriate.

Before the space in question was turned into a parking lot, many Caltech students, including myself, made use of that lawn. I played frisbee there, participated in ditch day activities, and generally enjoyed the open space that is so lacking in our urban environment. I understood that the parking situation was necessary and temporary, and looked forward to the day that the lawn would be restored. Now, we are going to once again destroy the usefulness of this open space? I sincerely hope not. How can anyone call this "environmental art" when in fact it interrupts the natural environment, extending urbanism and human construction into our endangered green spaces?

I am not opposed to public art in general. While at Caltech, the art committee gave me and several other students the incredible opportunity to participate in the "Artist-in-Residence" program with the great kinetic sculptor George Rhoads. A piece by Rhoads would be a far better installation than *Vectors*. I do appreciate art, and understand that it is not always easy to

approach nor even pleasing. However, I argue that a line has been crossed when public art moves from failing to interest or please the public, to actively detracting from their use of public space. Please, do not allow *Vectors* to be built.

Sincerely,

Eagle Jones '01

Serra Quote 'Inappropriate'

Dear editors,

In last year's final issue, the article "Serra's Vectors Draws Mass Protest," which I wrote, was accompanied by several quotations taken from the Tech survey on Vectors. It was inappropriate to include a statement by Richard Serra in this list.

First, Serra's quote was taken from another news source, and should have been properly attributed. Second, the way that it was printed in the Tech places it in a false context. The editors should not have taken the liberty of printing his words in this way. For my involvement, I offer my apologies to Mr. Serra. I hope that the Tech editors will strive to avoid further errors of this sort during the remainder of their tenure.

Shanti Rao

少林寺拳法 Shorinji Kempo

2002 N.AMERICA STUDY SESSION



Courtesy of B. Hebert

Caltech's Shorinji Kempo team poses for a group shot. Emphasizing self-defense, the martial art has seen increasing popularity over the past year across campus.

Keeping the Tempo With Kempo

Student's Story of Inner Peace Through Shorinji Kempo

By BENEDICT HEBERT

What is Shorinji Kempo? This is probably a question you are asking yourself as you read these words, but it is also a question I have asked myself quite often. I have been practicing Shorinji Kempo at Caltech for two years now, and still somehow the big picture eludes me. I have been given countless hours of training, both physical and philosophical, and I am only beginning to realize the possibilities and the potential that each and every one of us possess.

To the linguist, Shorinji Kempo means the "way of the fist of the little temple in the forest." Though

the words may sound as though they come from an old kung-fu movie, they have some truth in them: the 28th patriarch of Buddhism, Bodhidharma, did in fact bring Shorinji Kempo to a Chinese monastery, the Shaolin Temple, on Song-Shan mountain in what is now Henan Province. From there, Shorinji Kempo evolved into a combination of seated and active meditation brought to Japan by Doshin So in 1947.

To the untrained eye, Shorinji Kempo is a martial art. But at a critical moment when the western world is beginning to realize that technological advancements, self-assertiveness and competition do

not necessarily bring happiness, and when the eastern world sees that suppression of individuality and passive acceptance are not sufficient to bring peace of mind, the search for a middle path is of particular significance. The idea of middle path lies in the fact that one cannot live without balance between mind and body, love and strength, and so on.

Shorinji Kempo is a way of life based on the realization of the interrelation and interaction of all things. Its foundation is the Kongo Zen philosophy, which asserts that Man himself must actively strive to create a meaningful life through wisdom, strength, courage and love.

However, knowing something in theory does not necessarily affect the way we decide to live our lives. That is why Kongo Zen is practiced through the martial art of Shorinji Kempo, in the truest meanings of Oriental self-defense and philosophy. Our strength is not measured by the number of bricks we can break in a single blow, and there is no competitiveness in Shorinji Kempo. The martial art of Kempo is the empirical counterpart of the teachings of Kongo Zen.

What are the goals of Shorinji Kempo? To learn to live for others as much as you live for yourself, to cultivate a healthy body and a healthy mind, and to learn self-defense. By always practicing in pairs, one develops the ability to help others, and to be helped. Shorinji Kempo gives the necessary tools for the creation of a better world, asserting that Man's potential can be realized through the enrichment of material and spiritual needs, and that this realization depends on the effort of every individual. Since life significance must be created by the individual himself, a necessary condition is the earnest endeavour to live and make each moment worthwhile.

The best example of how Shorinji Kempo brings people together is the 2002 North American study session that was held at Caltech from July 5th to the 7th. The months of planning and the weeks of preparation were well worth the unforgettable days that we spent practicing with invited *senseis* from Japan. We hosted over a hundred fellow kenshi (Kempo students) and *senseis* from all over the United States and Canada, and judging by their reaction, our seminar was a great success.

To me, Shorinji Kempo is life. The techniques and lessons learned are useful everyday, and I am still discovering as I go along. Kempo has been a part of my life at Caltech as it will remain a part wherever I go.

Weak Characters Plague *Barbershop*

Film Draws Mixed Reviews From Critic

By JOE ESCALADA

Barbershop has surprised critics by besting the typically weak movies of early fall, accomplishing what is the movie equivalent of beating up kindergarten kids. It's healthy and fun, but it's not something to brag about, especially not to the cops.

Barbershop is about community and responsibility. Calvin (Ice Cube) hastily sells the barber shop established by his grandfather in 1958 to Lester the loan shark (Keith David). After Lester reveals his plan to turn the barber shop into a strip club, Calvin realizes that the barber shop is not just a business, but a neighborhood institution. He also comes to see the family business as his obligation and as his father's legacy. These epiphanies prompt Calvin to challenge Lester over the barber shop's ownership.

Despite a promising story, *Barbershop* ruins several scenes with bad writing and cheap shots. Calvin's wife pledged, "I don't need the world, Calvin; I don't need Oprah's house." Annoying and unnecessary jokes about pop culture icons like Oprah and Captain Kirk spoil many moments, making *Barbershop* reminiscent of *Entertainment Tonight* and a much less believable movie. Snide Hollywood references like those should be used cautiously in movies, unlike in movie reviews.

Stereotyped, straight-out-the-WB-Network characters hurt *Barbershop* as well. Let's do a roll call: the rehabilitated convict on his third strike, the arrogant and conservative college guy, the "pretty fly" white guy wannabe and the naïve and thick-of-accent immigrant. Some scenes seem like a *Fresh Prince/Sanford and Son* crossover. Throw in the Taco Bell dog and a morbidly obese gang leader named "Fat Albert" and this movie could be used to teach kids about diversity and eating disorders.

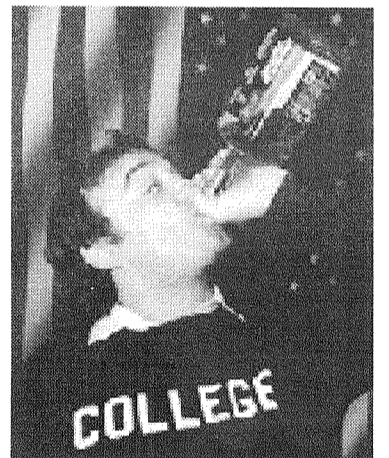
But is it funny? There are many laughs to be had with such an assortment of overused ghetto stereotypes. Lots of comedic skits are worked in through the interaction of the caricatured characters, and Cedric the Entertainer does some stand-up when he lectures the other, younger barbers. Even the most humorless and bitter of Caltech students would be attracted to the film's dissertation on female proportions. This movie is packed with juicy sexual and racial humor, and is a solid comedy. If you find sex

offensive, *Barbershop* is not for you, though you did pick the right college.

What this comedy lacks is humor that comes from actors playing legitimate characters. Believe it or not, skillful acting can be just as funny as impressions or impersonations. The only actual comedic acting is done by Anthony Anderson (*Romeo Must Die, Two Can Play That Game*). It is unfortunate that his performance is by far the show's best. In fact, it would be smarter to rent *Two Can Play That Game*, a better movie than *Barbershop* that gives Anthony Anderson a bigger part and has a beautiful female lead (Vivica A. Fox).

Barbershop is a movie best seen on video with friends, food and beer. It's a comedy, so you won't miss any special effects by seeing it on a television and not on the big screen. Plus, movies are always funnier when seen drunk with a group of friends who are gagged with food so they can't talk too much. If you absolutely need to see a comedy in theaters now, then you probably won't be disappointed by *Barbershop*. However, if you're thinking rationally, this is the time of year to avoid movie theaters, rent videos, and beat up a fresh crop of kindergarten kids.

Barbershop is a respectable flick that features many overweight comedians, proving that John Belushi did not die in vain. Therefore, I give it one Happy, Dead, Fat Comedian: (Minimum Rating: 3 Sad, Dead, Fat, Comedians. Maximum Rating: 3 Happy, Dead, Fat Comedians.)



Courtesy of Animal House

Citing its poor scripting and stereotyped characters, roving film critic Joe Escalada '03 has decided to award *Barbershop* only one Happy, Dead, Fat Comedian.

Bush AIDS Funding Too Little, Too Late

By ISAAC HILBURN

On June 19, the Bush Administration announced a new \$500-million anti-HIV/AIDS initiative. Unfortunately, the Bush AIDS initiative is too little, too late.

According to several leading AIDS activist groups, including ACT UP, and the Global AIDS Alliance, "The plan is all for show." It is too little and far too narrow in its application. The Bush initiative prevents use of the money for the development of generic AIDS cocktail medication, which is drastically needed in the African continent, but would undermine US and European pharmaceuticals' monopoly on drug treatments. The plan further prevents use of funding for birth control and sexual education programs essential to checking the spread of AIDS in third-world countries such as South Africa and India.

This September, I had the privilege to travel to South Africa for the tail-end of my SURF project. The effects of HIV and AIDS on the social structure, financial system, and people of South Africa were clearly visible -- emaciated men and women eaten-out by AIDS-related illness, young orphan children whose parents had died of AIDS related complications, forced to beg in bands for the profit of older youth, and daily news stories of men and women raping youth under the belief that intercourse with a virgin would cure them.

According to an estimate released by the South African Broadcasting Corporation, the country's leading independent news source, a full 20% of all individuals in South Africa have either HIV or AIDS. In other African regions, this number

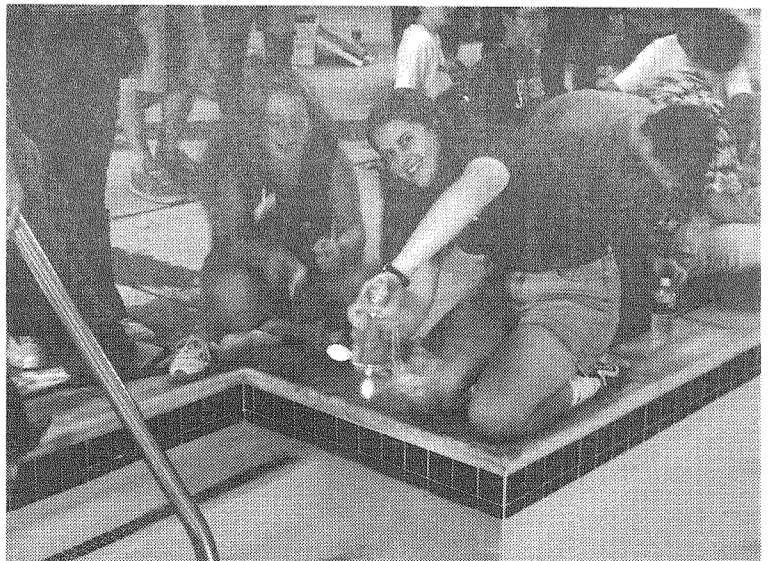
climbs as high as 60%. Morally and practically, this tragedy cannot be ignored. It is too dangerous to not take action. Nearly a full third of the African continent lives in conditions of extreme poverty and with failing immune systems. Such a population provides the perfect environment for the emergence of new, deadlier diseases.

I do not mean to be unduly political or unpatriotic. While I tend toward pacifism, the Bush administration deserves credit for its successes against Al Qaeda and other terrorist organizations in Afghanistan, in the US, and elsewhere in the world.

However, the current AIDS problem is far more deserving, morally, of our attention and a far greater threat to our national interest and security than Saddam Hussein or any remnant of Al Qaeda. In the year 2001, over five million new cases of HIV/AIDS were reported internationally, 800,000 of those in children. In the same year, the HIV/AIDS virus accounted for over three million deaths, which is assumed to be an underestimate due to the manner in which the AIDS virus kills by making victims susceptible to other diseases, such as TB and pneumonia. Globally, it is estimated that 40 million people live with AIDS today, including nearly one million in North America and nearly 30 million in sub-Saharan Africa.

The AIDS virus is the modern global plague. HIV/AIDS is the greatest natural threat to the future prosperity of the human race. To ignore the global AIDS crises is not only foolish, but criminal.

ASTROCAMP: READY, AIM...



A. Green/The California Tech

Incoming freshmen aim a homemade self-propelling hydro-vehicle as part of an orientation game the week before last.

DILBERT® by Scott Adams

FoxTrot by Bill Amend

DILBERT, I WANT YOU TO INTEGRATE OUR SALES DATABASE WITH OUR INVENTORY AND FINANCE SYSTEMS.

THE MANAGERS OF THOSE SYSTEMS ARE A NITWIT, AN OGRE, AND A #&#%!, RESPECTIVELY.

AND THEY KNOW THAT TWO OF THEM WILL BE FIRED WHEN IT'S COMPLETE.

I CAN GET THAT DONE IN THIRTY YEARS.

OUR PROJECT TEAM IS COMPOSED OF A NITWIT, AN OGRE, AND A #&#%!

WHICH ONE OF THEM IS THE NITWIT?

YOU DIDN'T BRING DONUTS. MAY I EAT THE NITWIT?

YES. POOR GUY.

MY PROJECT IS STALLED BECAUSE MY NITWIT HATES MY OGRE, AND MY #&#%! WON'T DO ANY WORK.

MY OGRE ATE MY NITWIT AND MY #&#%! IS TRYING TO BLAME ME FOR IT.

DO YOU WANT TO BORROW MY NITWIT?

NO. I HAVE A REQUISITION IN.

WE PROVIDE WIN-WIN SCENARIOS AND CUSTOMER-FOCUSED SOLUTIONS.

UH... OKAY... BUT WHAT IS THE ACTUAL PRODUCT OR SERVICE YOU SELL?

WE DON'T SELL; WE PARTNER.

I DON'T BUY; I SHOVEL.

THE VENDOR THAT COULDN'T DESCRIBE HIS COMPANY'S PRODUCT

IT INTEGRATES THE RESOURCES...

TO OPTIMIZE THE PERFORMANCE OF TECHNOLOGY.

YEAH, BUT WHAT IS IT?

HEY, IF YOU DON'T WANT YOUR RESOURCES TO BE INTEGRATED, JUST SAY SO.

DILBERT, PUT TOGETHER A TEAM TO DECIDE WHO'LL BE ON THE STRATEGY COUNCIL.

YOU WANT ME TO FORM A COMMITTEE TO CREATE A COMMITTEE THAT WILL PRODUCE A DOCUMENT THAT WILL BE IGNORED?

NO. IT'S A TEAM TO CREATE A COUNCIL.

CAN I BE ON THE TEAM THAT IGNORES THE DOCUMENT?

I CAN'T BELIEVE NO KIDDING! THAT RECEIVER DIDN'T SCORE!

THE DEFENDER WAS TOTALLY NO KIDDING! OUT OF POSITION!

ALL HE HAD TO DO WAS LEFT-STICK UP, B-BUTTON, A-BUTTON, R1, L2, R1, AND BOOM! TOUCHDOWN!

WHO THREW OUR VIDEO GAME SYSTEM IN THE TRASH?

(URP) I THINK I NEED AN ANTACID.

WHAT'S WRONG?

I HAD LUNCH AT THE MUCKY CLAM.

I THOUGHT YOU SWORE OFF THAT PLACE! YOU SAID THE FOOD MADE YOU SICK!

WHY ON EARTH WOULD YOU GO BACK?!

THEY HAD AN ALL-YOU-CAN-EAT SPECIAL.

ANTACIDS HELP STOMACHS, NOT BRAINS, ROGER.

MOM! MOM! I GOT AN 89 ON MY MATH TEST!

PAIGE, PLEASE DON'T INTERRUPT. I'M TALKING TO YOUR BROTHER.

NOW, JASON, WHAT WERE YOU SAYING?

I GOT A LOUSY 106 ON MY MATH TEST.

AAAAA! I COULD HAVE SWORN YOU WERE ASKING ME ABOUT LAUNDRY.

OH, THAT'S RIGHT.

WHAT ARE THOSE?

INCENSE STICKS.

I PICKED THEM UP AT THE DRUG STORE. THIS SCENT BRINGS CLARITY, THIS ONE BRINGS INSIGHT, THIS ONE BRINGS ENERGY, AND THIS SCENT BRINGS WISDOM.

I'M GOING TO LIGHT HALF A DOZEN OF EACH BEFORE I DO MY HOMEWORK.

YOU PROBABLY SHOULD HAVE LIT THE WISDOM ONES FIRST.

DID I FORGET THE CLARITY ONES?

NEXT, ON "BIG BROTHER"...

BURPING! EATING! NAME-CALLING!

FOLLOWED BY MORE BURPING! MORE EATING! MORE NAME-CALLING!

FINALLY, REALITY TV GETS REALISTIC.

(BRAAAP) MOVE OVER, DINGUS.

MARCUS GOT A NETWORK ADAPTER FOR HIS GAMESTATION.

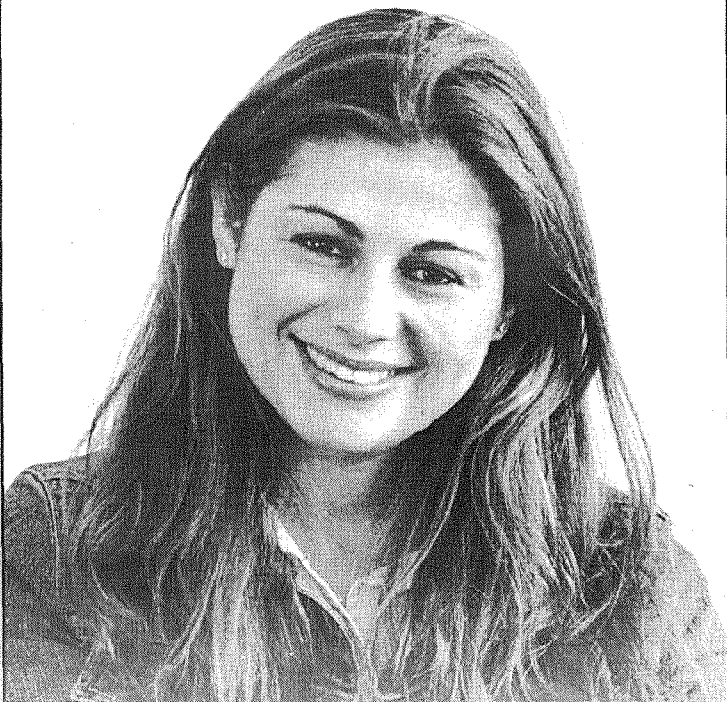
NOW HE CAN PLAY VIDEO GAMES AGAINST KIDS ALL OVER THE WORLD.

JASON, HAVE YOU HEARD THE EXPRESSION "KEEPING UP WITH THE JONESES?"

PLEASE CAN I GET ONE, TOO?! PLEEE-EEEEASE?!

MAN, I WISH MARCUS HAD A DIFFERENT LAST NAME.

Argue with an Artist from Amherst.



<http://www.thesquare.com>



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The Dean of Students Office needs tutors in all areas--help is especially needed with the main Institute requirements e.g., MA1, MA2, PH1, PH2, CH1, etc. The pay is \$10.00-\$12.00 an hour. A strong understanding of the subject matter, patience, and the ability to communicate well are the qualities needed as a tutor.

If you are an upperclassman and would like to be a Deans' tutor, please stop by the Deans' Office to see Sandra located in room 210 in the south wing of the Center for Student Services Building.

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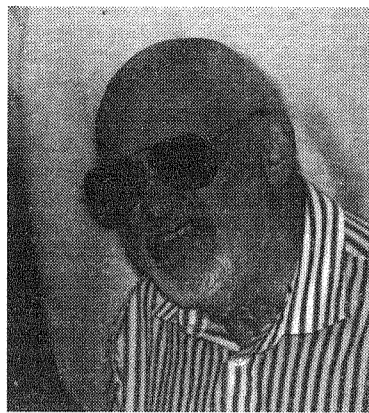
www.statravel.com



ONLINE >> ON THE PHONE >> ON CAMPUS >> ON THE STREET

Students Are 'Icumen' In

By JEAN-PAUL REVEL



Dear incoming student, This is it. For this you dreamed, you worked, took SATs, wrote essays, asked your teachers for recommendations, paid your money, waited for the mail, made choices, visited n schools, made n times two plane trips, weighed the plusses and the minuses, said good bye to your friends, hugged your dog, stroked your kitty, patted the mail box and

your Dad's car, took one last look around the old neighborhood, one last ice cream at the local parlor and a hamburger at the stand on Hillcrest Rd, took a last note of the familiar warm and humid air, stepped into the noisy Air Terminal two hours early and, to the chirp of confused sparrows, bought a paper and a pack of gum, hugged your Mom, were patted on the back by your Dad, kissed your little sister, placed your bag flat on the X-Ray belt and, having recovered it, handed your ink smelling and waxy ticket to the employee at the door, walked out on the tarmac in a blast of hot air, and climbed up the movable stair, blinded by the sun and deafened by the roar of another plane taking off.

Ensnared in the middle seat with your earphones on your head and your carry-on stuffed under the seat, along with a shard of plastic from a complimentary soft drink, you tried to look out the window over seat A's opened magazine while the TV screen recited a sonorous welcome

and what to do with your tray table, were whooshed off into the sky, launched on the route--may it never be a rout--towards Commencement, way in 2006.

The first challenges are already coming up, the first of a continuous conflict between two of the attractors which will determine your path. One of these, of course, is your work, the courses that you are enrolled in, the stuff you are at least nominally here for.

The other, perhaps the stronger, is the pull of new friendships being established, new social scenery to become accustomed to. Will you turn into a Mole over the next week, discover that you always were a Darb or a Rudd and just had not known about it yet, found soul mates among the Lloydies or the Flems... lets see, who did I forget? Oh yes! How could I have found that being in Page was to be "a la Page," fashionably up to date and that the Skurves were far from the weaklings their name evokes.

Important decisions, exciting

times, heady encounters. When I went to school--Grad School, but please overlook that since I never went to College, having gone to school abroad, I was in a similar situation. Lots of new things to see, a new country to experience, and a new language to become fluent in. I was actually used to working hard, or so I thought. Because it was possible and because I wanted to postpone a career decision as long as possible--my Dad wanted me to be a physician and I wanted to be a planetologist, which according to him, would not allow me to earn a proper living--because I wanted to postpone choosing between these two, I had been enrolled both in the Faculty of Medicine and the Faculty of Science.

Beyond having to be in two locations with one body, I managed to carry this and work in a lab too. So I thought that here in the US, dealing with only one course of study, I would have no problems. All of a sudden, however, I came to realize that I was falling behind, not doing as well as I needed to, since I had to prove myself in my first year. And so I had to curtail my trips to the mountains--not every weekend anymore; goodbye Tuckerman's ravine, goodbye mad dashes to Katahdin, goodbye ice climbing, trying for all the White Mountains' Presidential peaks on Jan 1st, goodbye, goodbye--my search for different American accents and my discoveries of the pleasures of... well, I don't have to tell you all my life.

actions, mnemonic tricks, all to help me review things.

Actually I started taking complete notes for myself instead of depending on the mimeographed communal note taker (yes, mimeographed). Can you imagine a time so long ago that the Xerox machine had not yet been commercialized? You know, of course, that electrophotography, as Xeroxing was first called, was invented by Chester F. Carlson who earned a physics degree from Caltech in 1930. His first prototype worked on October 22, 1938, but it took until 1960 for the copier to become a commercial success. May you all have his determination, his patience and his pluck.

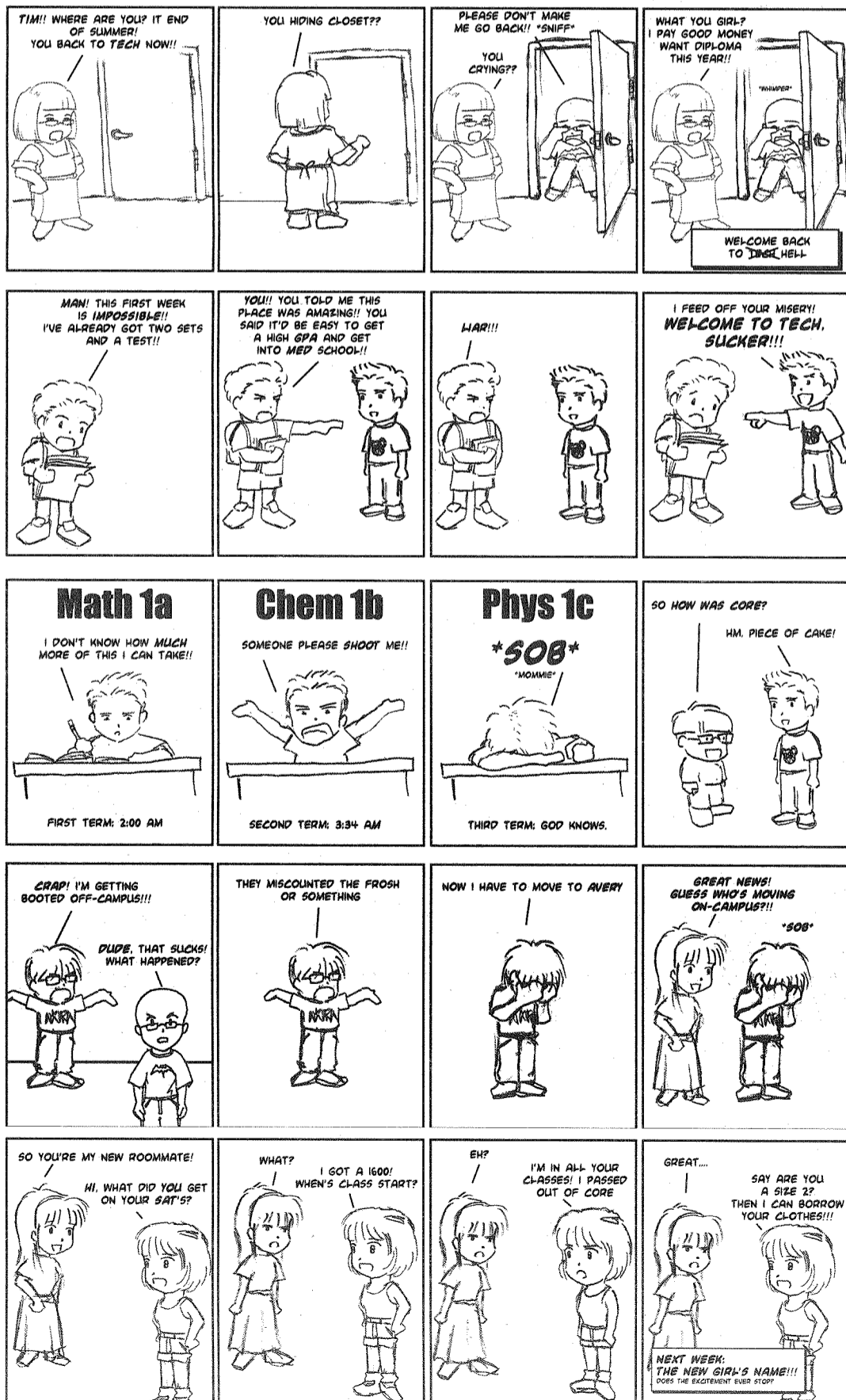
Well, just because some people (such as I) need to learn to work does not mean that you have to. What you'll find however is that it is very easy to slide down a slope of classes just barely passed, of Es or, horror of all horrors, even of Fs, but that once having slid in such a hole, it is incredibly difficult to climb out of it. The image that comes to my mind is that of an ant lion larva--a.k.a. doodlebug--waits at the bottom of a pit that it has dug in loose dry soil. Ants and other insects that step over the edge, slide to the bottom in spite of their frantic efforts and are devoured! (see the fearsome picture at www.hq.nasa.gov/office/pao/Histor/alsj/a16/a16.doodlebug.html). And so, unwary student who imagines he can catch up, watch out, lest the doodlebugs catch you. Beware!

A bientot

Jean Paul Revel

Jean-Paul Revel

CRIPPLING DEPRESSION LIFE AT CALTECH



Vectors Predicament

Continued from Page 1, Column 5

Beckman Institute.

A Pasadena ordinance stipulates that with the construction of each new building, a fraction of the cost must go toward public art. With the new Broad center, Caltech has set aside approximately \$90,000 for this cause. However, if Caltech decides to put in Serra's art, Eli Broad, of which the Broad center is named, will provide for half the 1.6 million dollar cost.

During the past school year, two meetings were called by the Caltech Art Committee to discuss the background of Serra and his art and to describe the aesthetics of Vector. However, both of these turned out to be protest meetings, as the majority of students and alumni decried *Vectors'* perceived ugliness and inconvenient proposed location. Issues of safety were brought up, as people fear that the wall will give attackers a good place to hide. Others oppose the design of the sculpture, and how it will cut the lawn in half, preventing games of ultimate Frisbee and other recreational activities on it.

After giving the issue a rest over the summer, a closed-door meeting was held on September 30th with President David Baltimore presiding. Representatives from the alumni association, undergraduate, graduate, and Ph.D. student councils, several professors, and a couple undergrads were in attendance.

To begin the meeting, Baltimore went over the background on this project, and described some of the merits of Richard Serra. In explaining why it's necessary that Caltech should embark on such an art project, Baltimore stated, "It struck me that we have no world class structure on campus." In his opinion, this lack of art seemed to diminish Caltech's image.

Baltimore explained why Serra

was chosen to design a piece for Caltech: "Richard Serra is one of only a limited number of artists who do outdoor world-class sculptures. Serra's work is related to environments in a way unlike most others."

Mel Simon, a proponent of the art and a Biaggini Prof. of Biological Sciences here at Caltech, looks forward to bringing new, revolutionary art to caltech. "We will be joining a bunch of people who are changing the city [Pasadena]...this sculpture will say that Caltech is part of that."

However, most in attendance were against the proposed sculpture. Said Jack Roberts, "Not everyone's going to feel like metal. Because it's an arrogant in your face piece of art. It's the wrong piece at the wrong time."

Ted Jou, ASCIT president, cited a different reason for the lack of support for *Vectors*: "The wall has become a symbol of all we [the undergrads] are angry about. We found out about *Vectors* through the Graduate Student Council newsletter. In the past year, there have been other announcements we haven't been too happy about." He went on to explain that the dissent among undergrads is not so much against the structure as it embodies all that is wrong with the present administration-student interaction.

Pietro Perona, a professor of Electrical Engineering agreed by saying that once the piece is on site, it will win more people over, but will not smooth things over.

Despite all the protest, President Baltimore was reluctant to consider other options or to "run another art competition." He said, "To my mind, art is not a voting process."

Plans for *Vectors* will have to be submitted by the end of this fiscal year or the money will be taken away by the city.

Announcements

The Remaining Student Services Offices have Moved to the Center for Student Services Building (South Wing) located at 414 S. Holliston:

<i>First Floor</i>	<i>Second Floor</i>	<i>Third Floor</i>
Bursars Office	Dean of Students	Undergraduate Admissions
Mail Code 120-87	Mail Code 210-87	Mail Code 328-87

Financial Aid	Graduate Office	Fellowships
Mail Code 110-87	Mail Code 230-87	Advising & Study Abroad
		Mail code 319-87

Registrars Office	VP for Student Affairs	Student Information Sys.
Mail Code 125-87	Mail Code 210-87	Mail Code 305-87

Student Affairs will be hosting a campus-wide open house in early fall. Details will follow soon. In the meantime, please come visit us in the new south wing of the Center for Student Services.

Caltech Chess Club. Caltech finally has its own chess club! We are newly established and welcome people of all levels and from all of the Caltech community (including students, postdocs, faculty, staff, spouses). Whether you are an expert or hardly know the rules, you will have fun at our club meetings. We have recreational play, competitive play, and sometimes lectures by masters. We also plan to form teams for intercollegiate matches and amateur championships. We meet on Fridays at 8pm at Avery Dining Hall, just stop by. Membership is free. More info: Patrick Hummel, hummel@its.caltech.edu, or Wei Ji Ma, ma@klab.caltech.edu.

Looking to add a little drama and romance to your life? **The Caltech Opera Club** is the answer! No acting or singing experience is required. Just your love or interest in opera is all that is needed to join. We meet once a month at lunch time to hear beautiful music, and learn about this complete and extravagant art. Open to all members (students, faculty, staff) of the Caltech and JPL community. Next meeting: October 17, Thursday, 12 - 1 P.M. Chris Brennen Conference Room, Center for Student Services, 3rd Floor Guest Speaker: Louis Bernstein from the Los Angeles Opera League Speakers Bureau. Please email Angela Wood at auwood@caltech.edu with questions.

The Caltech Dance Troupe will be offering professionally-taught Beginning Hip-Hop on Mondays from 10-11:30 PM and Intermediate Jazz on Tuesdays from 9:30-11 PM. Beginning ballet classes will be on Saturdays from 1-2 PM and intermediate ballet classes will be on Saturdays from 2-3:30 PM. Ballet classes are taught by Dance Troupe members. Classes will start September 30. The Ballet classes are free, and the professionally-taught classes cost \$20/term for Caltech grads and undergrads, \$30/term for other members of the Caltech community. To attend classes, simply show up with a Caltech ID or gym membership card. No special clothing or shoes are required for the beginners' classes. To be added to our mailing list, please e-mail troupe@caltech.edu. For more info and the most up-to-date class schedules, please see our web site at <http://troupe.caltech.edu>.

CIT Guitar Classes for the Fall quarter will meet on Tuesdays in SAC Room 1, starting on October 9 as follows: Beginning Guitar Class 4:30 PM - 5:30 PM; Intermediate Guitar Class 3:00 PM - 4:00 PM; Advanced Guitar Class 5:30 PM - 6:30 PM. Classical and flamenco repertoires are explored, but techniques transfer to other styles of guitar. The Beginning Class includes a jazz/folk chord system. Classes are free to Caltech students and other members of the Caltech community (space permitting). Undergrads can receive 3 units of credit. The instructor, Darryl Denning, has an international background in performance, teaching and recording (two of his CDs are available in the Bookstore). Mr. Denning can be reached at ext. 2923 or (323) 465-0881 or by email at: ddenning@caltech.edu. The Guitar Home Page is: www.music.caltech.edu/denning/index.html.

Jane Curtis, Health Educator is located in Room 64, Student Activities Center. Her hours are: Tuesday 10 - 11 a.m. Wednesday 5 - 7 p.m. Thursday 2 - 3 p.m. Free pamphlets and condoms are available across from Room 64, and a bulletin board is available for anonymous inquiries and posts. A student-centered advisory council is in the process of being created. All interested students are encouraged to contact Jane, ext. 2961.

Applications / Nominations Invited for the Everhart Lecture Series 2002-2003. The Everhart Lecture Series selection committee is seeking applications and nominations for speakers for the 2002-2003 lecture series. The Everhart Lecture Series (formerly known as the Distinguished Graduate Student Lecture Series) was created as a forum to encourage interdisciplinary interaction among graduate students, post-doctoral scholars and faculty. Each year, three graduate students are recognized for their exemplary presentation and research skills. They are invited to give a presentation to a general Caltech audience describing recent research developments, problems and controversies, and of course, their own contribution to their field of study. In addition, they are awarded a \$500 honorarium and recognition at graduation. This prestigious honor is sponsored by the Graduate Office and the Graduate Student Council (GSC). For more information and for nomination/application forms, please visit the ELS website at www.its.caltech.edu/~els or e-mail the ELS Committee at els@its.caltech.edu. The deadline for applications and nominations is Monday, October 7. Selections will be made by the end of October.

Compton Gamma-Ray Observatory Archival Data Analysis for Studying Temporal and Spectral Properties of Gamma-Ray Sources. This is an announcement of opportunity for one or two undergraduate student in physics, astronomy or computer science to participate in a work-study research program at the Jet Propulsion Laboratory. The job requires processing and analyzing the 9-year archival earth occultation gamma-ray database obtained by the Burst and Transient Spectroscopy Experiment (BATSE) onboard the NASA Compton Gamma-Ray Observatory between 1991 and 2000. The major scientific objective is to study properties of gamma-ray emission from cosmic sources including galactic black holes, active galactic nuclei and neutron-star systems. For this research, it would be useful if the student had some experience with programming on VMS and Unix platforms as well as working with the Interactive Data Language (IDL) package. Employment would be full time (40 hours/week) during the summer and part-time during the school year under the Caltech Work-Study program. Salary will be between \$12 and \$18/hour depending on the experience of the student. If you are interested in applying for the position, please call Dr. James Ling at (818)354-2819.

Les-Bi-Gay-Trans Discussion Group

Whether you are out and proud, exploring your sexual identity, coming out, or anywhere in-between, we invite you to our Discussion Group, which meets on the 1st and 3rd Tuesdays of each month from 8:15 until 10:15 pm in the Health Center Lounge. The group is a great place to meet new friends and the atmosphere is generally very relaxed; at the same time, more personal and "serious" discussion topics can be addressed. This is a confidential meeting and attendance does not imply anything about a person's sexual orientation; supportive students and staff are welcome as well. And refreshments are served! For more information call ext. 8331. To find out about LBGT events on campus, please visit the Caltech Student Pride Association (CSPA) calendar at <http://rainbow.caltech.edu>.

To submit a Mint, e-mail mints@tech.caltech.edu or mail your announcement to Caltech 40-58 Attn: Mints. Submissions should be no longer than 150 words. Email is preferred. No attachments, please. The editors reserve the right to edit and abridge all material. Deadline is noon Friday. Unless specified, all mints will run for two weeks.

Scholarships

The Hispanic Scholarship Fund The fund ranges from \$1000 - \$3000 for students of Hispanic heritage attending a 4-year college or graduate school. Eligibility requirements include: being a U.S. citizen or legal permanent resident; having a minimum GPA of 2.7; being enrolled full-time; and having completed at least 12 undergraduate credits. Applications are available at www.hsf.net and are due by October 15, 2002.

The Measurement Science Conference (MSC) has established a fund to grant scholarships to students in an Engineering or Science or Quality Assurance degree program. The scholarship program places emphasis on papers or projects that discuss the advancement of measurement science technology. To be considered for one of five, \$1000 scholarships, individuals must: have completed at least 24 units of upper division courses in an Engineering or Science degree program or five courses in a Masters Degree program in Quality Assurance; have an overall GPA of at least 3.2; be a U.S. citizen; and be able to attend the Measurement Science Conference on January 16, 2003 in Anaheim. Submit an application before November 29, 2002. Applications are available in the Financial Aid Office.

The National Institute of Health (NIH), the nation's premier biomedical research institution, offers an innovative program to support the career development of the next generation of biomedical health researchers - an undergraduate program for students from disadvantaged backgrounds. The Undergraduate Scholarship Program for Individuals from Disadvantaged Backgrounds (UGSP) basic requirements are:

- U.S. citizen, national or qualified permanent resident
- must be enrolled or accepted for enrollment as a full-time student for the 2003-2004 academic year at an accredited undergraduate institution.
- must be from a disadvantaged background
- must have a GPA of 3.5 or be within the top 5 per cent of his or her class.

Complete details including an on-line application can be found at <http://ugsp.info.nih.gov>. Applications are due by February 28, 2003.

For more information on available scholarships, please visit the Financial Aid web site at <http://www.finaid.caltech.edu/news.html>. All qualified students are encouraged to apply!

Upcoming Events

Resumania. Caltech Alumni will be on campus to review your resume and give you advice and suggestions for improvement. Date: Wednesday, October 9, 2002 11:00 AM - 2:00 PM Location: Olive Walk. This is a great opportunity to prepare for Career Day. Bring your Resume to the tent on Olive Walk. Career counselors will be available to answer quick questions. Sponsored by the Career Development Center

We invite you to participate in **Caltech Women's Science Symposium!** November 12-13 in the Beckman Institute. Sponsored by WEST (Women in Engineering, Science and Technology). This symposium will highlight the achievements of Caltech women scientists at all levels (undergrad to faculty). Events will include:

- * Research talks by women Caltech faculty
- * Social events to meet other women scientists
- * Professional development seminars
- * Poster session showcasing the work of women students and postdocs

We would like to invite all female students to submit a poster for this symposium. This is a great opportunity to share your SURF, internship, or other research experience. Participation in this symposium will give you an excellent opportunity to network with successful women scientists at Caltech, establish potential mentoring relations, and will look GREAT on your resume and/or grad school applications! Also, we will be awarding \$500 travel grants to the most outstanding poster in each of three categories: undergraduate, graduate, and post-doc. To submit a poster, just send a short abstract (150 words max) to westclub@its.caltech.edu by Friday, October 18. Please note that the entire Caltech community (women and men; students, faculty and staff) are invited to attend the symposium. WEST is also organizing a special two-day workshop on poster design for Oct. 24 and 31. To sign up, send an email to westclub@caltech.edu; priority will be given to those presenting a poster for the symposium.

Dance to your heart's content amid the balmy breezes and serene setting of the Caltech campus. For two evenings, we'll have a dance floor set up outside of Beckman Auditorium on the mall where you can bring your blanket and picnic while enjoying lively music and fun for the whole family. As a special offer, you can purchase tickets for only \$13 to either of these events:

Michael Andrew & Swingerhead
Friday, October 4 at 8 p.m.

These cats are making people swing! Music reminiscent of the 1940s and '50s features the sounds of swing, cha-cha, mambo, and surf.

Paris Combo
Saturday, October 5 at 8 p.m.

A celebration of contemporary Paris, this retro-cabaret quintet celebrates the rich diversity of the city with blues, swing, Gypsy, flamenco, and North African music.

For more information or to buy tickets contact the Caltech Ticket Office / Caltech Public Events. 332 S. Michigan Ave., Mail Code 332-92, Pasadena CA 91125-9200. <http://www.events.caltech.edu>. emailto: events@caltech.edu. phone toll-free: 1.888.2CALTECH (222.5832) * fax: 626.795.1378

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