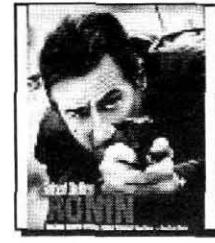
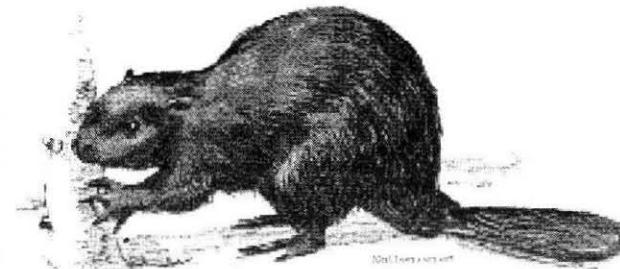




Valentine's is Sunday.
President's is Monday.
see page 8



The ASCIT Movie:
Ronin

Baxter Lecture
Hall, 7:30 and
10:00, Friday

THE CALIFORNIA TECH

VOLUME C, NUMBER 17

PASADENA, CALIFORNIA

FRIDAY, FEBRUARY 12, 1999

**GEOLOGISTS
PREFER ICED**

TEA TO STOVES

BY DAVID GUSKIN



Don Anderson

At the sixth lecture in the Watson Lecture Series on Thursday, Dr. Don Anderson, esteemed professor of geophysics at Caltech, examined the historical conceptions of our planet, from Dante's Inferno to the "pot-on-a-stove" metaphor. With the advent of tomographic imaging, these conceptions have given way to a more modern-day "microwaved iced tea" metaphor and a new way of looking at the Earth's lithosphere and mantle.

The basic principle behind the "microwaved iced tea" metaphor is simple: continents act as ice cubes, the mantle acts as tea, and the hot areas of the mantle heat it from within, like a microwave. Evidence for this view, according to Professor Anderson, has come to light via the tomography.

Anderson discussed the major role of tomographic imaging as evidence for geophysical theories, likening the process to a medical cat-scan of the Earth. Using these incredible images of cross-sectional slices of the Earth's interior, geophysicists can determine the relative speed and temperature of large regions underneath the surface.

Using tomography, geophysicists are able to observe the flow of crust from mantle to ocean ridges to oceanic trenches to mantle. "[The Earth] is one big recycling engine," declared Prof. Anderson, pointing out the dynamic state of the Earth's plates, where crust is formed on one side of the Earth and subducted into the mantle on the

BY TIM RAUB

Early last semester, five members of the Western Association of Colleges and Schools (WASC) visited Caltech and evaluated many features of the campus' academic and social environment as a key step in Caltech's periodic Reaccreditation process. Last month, Caltech received the WASC visiting committee's official report which makes many general observations about campus life and also suggests several ways to improve the Caltech experience.

At the most recent Faculty Board Meeting, Vice President David Goodstein noted that the "formal laying on of hands will take place at a meeting of the Commission of the Western Association of Schools and Colleges in San Francisco (February 24-25), after which we will be able to say that Caltech has been reaccredited for another eight-year term." The report, publicly available on the internet

at <http://www.caltech.edu/subpages/wascaccred.html>, calls Caltech "one of the world's premier research universities."

The WASC committee was generally pleased with the state of Graduate Education at Caltech, noting that "Caltech is small in size in terms of the student and faculty numbers, but a giant in terms of the quality of its students and faculty." Particular strengths noted in the report included the collaborative nature of Post-Doctoral/research faculty/graduate student relationships, the post-graduate/career opportunities offered by the Career Development Center, and the "considerable improvement" Caltech has shown in its enrollment of female graduate students.

Undergraduate Research including the SURF program was the visiting committee's second focus. It noted, "Caltech and scientific inquiry are so intimately intertwined that the concept of completing an under-

graduate education at Caltech without engaging in research is nearly impossible to imagine and in reality is rare. Faculty enthusiasm about undergraduate participation in research, the potent array of research experiences available, and undergraduate opportunities to work with professors in research groups are among the most attractive and unique features of Caltech." The WASC accreditors reacted enthusiastically to undergraduate research programs, including SURF, and recommended "that the endowment for the SURF program be substantially augmented," adding in closing that "ensuring its future is an important goal for the institution."

The final and most intensely studied aspect of the Reaccreditation committee's visit was the Caltech Honor Code. Remarking that the Honor Code is a "source of pride for current and past students and faculty key to Caltech's enviable climate of

trust Caltech would not be the same without it," the Committee also noted that "Caltech could even be better if the Code is not taken for granted, especially as it pertains to social matters."

Specifically addressing social values and community ethics, the WASC proposed several social situations in which the Honor Code "should apply to their relationships with each other, and speak to their desired ideals of a community." Issues of relationships, of race and gender, and of "behavioral excess" were singled out.

In its summary recommendations, the Visiting Committee recommended that the Board of Control "reach out to students at other institutions with similar responsibilities to learn more, as they will, about the social implications of Honor Codes."

In closing, the WASC Accreditors commended Caltech for its commitment to

PLEASE SEE WASC ON PAGE 2

Barry Simon to give lecture on Drosnin's Bible Codes

BY SHANNON STEWMAN

To some, it's scientific proof of a divine miracle, to others it's bad science, but with one million copies of just the Korean translation sold, Michael Drosnin's book *The Bible Codes* is certainly controversial, and has attracted an ever-growing number of mathematicians who consider it to be wholly unfounded.

Dr. Barry Simon, a mathematician at Caltech, is not only among those mathematicians who dispute Drosnin's book, but also gives public lectures on the matter. On Monday, February 15, he will be giving one of these lectures at Caltech.

The basis for Drosnin's book comes from an article published by Doron Witztum, Eliyahu Rips and Yoav Rosenberg in *Statistical Science*, "Equidistant Letter Sequences in the Book of Genesis," (1994, Vol. 9, No. 3, 429-438).

The article claims to have found statistically significant codes in the Torah, including the names of Rabbis who lived long after the Torah's earliest known existence.

Drosnin spent some time

with Eliyahu Rips studying the codes. His book includes the details of his results.

The codes found in these books are sets of words made of clusters of equidistant letter sequences (ELS) which are physically near each other. Equidistant letter sequences are sequences of letters which are spaced equally from each other in a sequence of letters.

Dr. Simon's criticisms of both the article and Drosnin's subsequent book rest on both mathematical problems in the method of finding such codes and on more concrete problems inherent in the Hebrew language.

The Hebrew language has sets of optional letters in words, the omission or addition of which does not change the meaning of the word. According to Dr. Simon, while the actual text of the Torah has changed remarkably little from copying errors, such optional letters certainly have been both added and omitted from its original form, which is unknown.

The exact meaning of words in Hebrew is often only available from context. While true of most languages, this is espe-

cially important in Hebrew, where, for example, the word for "accidental killing" can also mean "assassination."

Such variations provide a number of degrees of freedom or, as Dr. Simon calls it, "wiggle room," which greatly lessen the significance of the codes.

In fact, Dr. Simon asserts that with this wiggle room, any text can be shown to have similar codes. Specifically, such ELS clusters have been found in *Moby Dick* which group the words "Lady Diana" (referring to the late Princess Diana) and death. Dr. Simon shows the Lady Diana cluster and similar clusters in his talks as counterexamples to the claim that such clusters in the Torah

are uncommon or of divine significance.

Dr. Simon, an Orthodox Jew, became involved in this project as a result of growing concern and discomfort in the orthodox community with the use of such codes in outreach efforts which aim to increase the religious involvement of non-practicing Jews.

Further information can be found on Dr. Simon's Bible Codes web site, www.wopr.com/biblecodes, and on the Official Torah Codes website, members.xoom.com/bcodes.

He will be speaking on Monday at 7:30 p.m. in Baxter Lecture Hall at the invitation of Caltech Hillel. There will be a small admissions fee.

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The Outside World

by Cheryl Forest

JORDAN—King Hussein died of cancer on Sunday. He was buried in the Hashemite family cemetery on the grounds of the Amman royal palace. The new king is King Abdullah, Hussein's eldest son. The next in line is Prince Hamza, who is the eldest son Queen Noor, King Hussein's widow.

ROME, ITALYAn appellate court in Italy has ruled that it is impossible to rape a woman wearing jeans. This ruling came in the court case against Carmine Cristiano, who was convicted in 1996 of raping one of his students. Cristiano argued before the court that the woman had consented to sex. The court accepted this statement, stating that "it is impossible to take off someone's jeans without the collaboration of the person wearing them" and thus the girl must have cooperated. The ruling is being protested, most visibly by women lawmakers in Parliament who are pushing to have the decision overturned.

ETHIOPIAN-ERITREAN BORDER—Ethiopian and Eritrean armies have been fighting each other along the shared border for most of this past week. The current conflict lies in

Eritrea's successful bid for independence in 1993. Unfortunately, "there was so much goodwill over the division of Ethiopia that no one really paid attention to maps or what constituted the border," according to one diplomat. Now that attention is being paid to the matter, fighting has broken out. Casualty figures coming out of each country are rather unreliable, but it is certain that civilians have been caught in the cross-fire.

DHAKA, BANGLADESH—The third day of an opposition-led national strike occurred Thursday. Thus far, four people have died and about 150 injured because of the strike. The strikers want Chief Election Commissioner Abu Hena, who they accuse of pro-governmental bias, to resign prior to the municipal elections that are going to be held later this month.

CHAMONIX, FRANCE—Yesterday, rescuers in the French Alps found the body of the 11th victim of Wednesday's avalanche. The avalanche, which traveled 1,000 meters down Europe's highest mountain, has been classified as the worst in 91 years to hit the Chamonix valley.

WASC...

CONTINUED FROM PAGE 1

excellence and student/faculty relationships. It also extolled the relative lack of rules and regulations on campus, and Caltech's "genuine concern" for student welfare. The Committee also left advice to pursue initiatives in the Performing Arts, to continue to actively recruit female and minority undergraduate and graduate students, and to repair the holistic Honor Code paradigm.

WASC Accreditors generally left with a favorable impression which they incorporated into their report. One reviewer compared the reaccreditation process to the maintenance and construction projects around great European Cathedrals which, though marvelous in their own rights, constantly strive for aesthetic perfection.

CORRECTION

Last week, in the article entitled "He's back! The Apollo returns," the line that read "Baltimore also called for a plague..." should have read "Baltimore also called for a plaque."

In the January 29, 1999 issue, the bird on the second page was incorrectly referred to as a snowy egret. This bird is actually a great egret.

ICED TEA...

CONTINUED FROM PAGE 1

other. In terms of his "iced tea" analogy, Professor Anderson compared the "currents" of crust flow around continent-ocean boundaries to the cold currents generated around the edges of ice cubes in liquid. "There will always be a continental hemisphere and an oceanic hemisphere," he stated.

With the experimental tool of tomographical imaging now at their side and a new way of looking at the Earth, geophysicists are one big step closer to unlocking the mysteries of Earth's tumultuous past, present and future.

CORRECTION

This is Jaideep's picture of Shaft, which should have run last week as his election photo. We regret this show of editorial taste.



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New club forms to promote awareness of sexual assault

The following interview has been conducted by the Tech with members of a new group on campus called SAGE. The interviewee's included students both male and female, a resident associate and staff.

What is SAGE and how did it begin?

SAGE is the Sexual Awareness Group for Education at Caltech. The name is meant to convey the primary purpose of the group which is to educate Caltech students on the prevalence of sexual assault, the circumstances in which that sexual assaults occur, the attitudes that people hold that may lead to an assault and how the environment contributes to a culture that can inadvertently support sexual assault.

The group started last year in spring when some students asked for help in addressing the problem. Some of the original group knew people who had been assaulted and wanted to find some way to stop sexual assault from ever happening to another Caltech student.

Are there other groups like this at different colleges?

Yes, there are groups like this at different colleges, most of them probably have the same mission as us, which is basically to educate and inform students about sexual assault. Unfortunately there may be something about the culture of college campus life that fosters sexual assault and makes these groups necessary.

How does SAGE define sexual assault?

Sexual assault is any sexual act attempted or completed by force, threat of force, or coercion against another person's will. Sexual assault occurs any time a sex-related act is forced upon another person. This definition includes acts of fondling, oral

sex, forcing another person to disrobe, voyeurism, photography, as well as intercourse. Sexual acts that do not include the assailants genitalia (but rather hands, mouth, or some instrument) are also included. Both women and men can be sexually assaulted.

Is sexual assault a problem at Caltech?

We're not sure. We know that there have been assaults in the past and we're conducting a survey in the next few months to know if and how much of a problem sexual assault is at Caltech. The survey will also tell us if and where students have been assaulted: at Caltech, while at home on break, or when they visit other schools.

Will this group deal with the issue of Glomming?

Glomming isn't really the focus of the group, preventing sexual assault is.

What is the need for this sort of group at Caltech? (i.e. is it support-oriented or knowledge/information oriented? Was it created to address specific concerns, or general sentiments that sexual assault is a problem on campus?)

The formation of the group was not mandated by any administrators or government laws, but rather the group formed on its own, out of a common desire among students on campus to take a closer look at this issue.

SAGE started in a more support-oriented fashion, but has recently shifted to more of a knowledge/information orientation. SAGE members can direct you to people on campus who are able to help survivors of sexual assault. The group was created to address more a general sentiment that sexual assaults/sexual attitudes were a problem on campus which needed to be addressed.

What would be some of the resources we have on campus?

We have several excellent resources on campus such as:

The Counseling Center x8331

The Health Center x6393

The Womens Center x3221

The RA's.

Is SAGE an official ASCIT club or is it run by another group?

SAGE isn't an official ASCIT club it's more of a grass roots effort of people who are concerned about sexual assaults.

What is the make up of the current club? Is it mostly female? Mostly undergraduate?

It is comprised of students, both graduate and undergraduate, staff, and administrators. RA's, counselors, health and women center employees male and female. So the group is quite diverse. We're hoping that more people, male and female will become interested in helping out when they know more about the group.

How can one join SAGE?

Because it's not such a formal group someone can join just by attending one of the meetings. The next meeting will be Thursday March 11 at noon in the Health Center Lounge. If interested, students can then join one of the three task forces working independently.

What club activities do you have planned?

We're putting together a survey to be sent to all the Caltech undergrads. Also currently, the logo design contest is underway to help bring the group into the communities awareness.

At this time, we hold periodic meetings, both as a whole group and as individual "task forces" that are working on specific items like the survey, involving the Caltech community

and education.

What format will the survey take? Who will it be sent to?

The survey format is something a subgroup of SAGE is currently working on. We'll start by surveying undergrads and then grads later.

What will be done with the results?

The idea is to use the information from the assault to plan education on preventing sexual assault. If we find that assaults are taking place away from campus then the posters and information we send out will talk about being safe in unfamiliar environments etc. Another way we'll use the information is to go into the houses and share the data with whoever is interested. Because the survey will be anonymous we'll be sharing summary data. The more people know about how assaults take place the easier it is to keep yourself from being a victim.

What is the Logo Design Contest?

We're asking people to submit designs that we can use to advertise a new group on campus called the SAGE-Sexual Assault Group for Education. The person submitting the winning design gets a \$50.00 gift certificate to use at The Cheesecake Factory, a restaurant in Old Town. There will be two other prizes awarded; second prize, a \$25 gift certificate for Borders, the bookstore on South Lake, and a \$20 gift certificate to Tower Records, also on South Lake.

What does SAGE plan to do in the long term?

We hope to provide information and support relating to sexual situations to the Caltech community in general. We want to find out what the attitudes towards such things are on campus and use that knowledge to better serve the interests of the community in this way.

SAGE Logo Contest Rules

Prizes:

1st prize: \$50.00 gift certificate to the Cheesecake Factory in Old Town and the winning entry will appear as the official logo of the SAGE Group on letterhead, posters and other means of advertising.

2nd prize: \$25.00 gift certificate for Borders Bookstore on South Lake.

3rd prize: \$20.00 gift certificate for Tower Records on South Lake.

Contest Rules:

Entries should be submitted on paper of a size which can be reproduced on letterhead (can be reduced or enlarged without distorting the logo) in black and white print only original logo designs will be awarded prizes entries limited to Caltech undergrad and grad students. joint and multiple submissions are acceptable.

All entries to be submitted by February 26, 1999. 5 P.M. entries may be submitted via campus mail to: SAGE

Logo Contest,

Mail Code: 104G-6

or maybe dropped in SAGE Logo Contest envelopes located in undergraduate House Lounges.

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Minutes

FEBRUARY 8, 1999

Present: BoD (minus Devi), Steve Na, Teo Der-Stepanians, Dan Liebling, Russell Howe

Meeting called to order at 22:06.

General Business

Chess - Steve and Teo are here to get recognition and request funding for a Chess Club. The organization

is so recognized.

OPI - Russell wants \$1000 towards building OPI.

{Alan splits at 10:19.}

Officer Reports

Derek - Guidebook and UROH updated.

Autumn - The van needs \$500 worth of brake-work and some registrations. It is decided that the best price possible will be squeezed out of the hunk of junk despite the problems.

Hanna - Installations will be Tuesday, March 2nd at the MOSH's.

Jaideep - There was a big Disco controversy last week but it appears

to be settled. Katie Noyes is the new Ruddock President. Jaideep will meet w/ Melvin and the Deans to talk more about a student advisory system.

Danny - Will close the Sanwa account.

Mike - The election was today. Votes are being counted as we speak.

Baldeep - Alan and Dorko met w/ Dr. Brennen about the Axline gift. He says that the fund must first be divided among graduate and undergraduate financial aid programs. No students are involved in the decision making process yet. The plans for MJ and Keck are being finalized.

We should talk to Kim if we would like a student government presence in the new building.

Meeting closes at 22:53.

The BoD votes to allocate \$75 for the Chess Club.

The BoD votes not to allocate any funds for OPI.

Instead, the BoD votes to update the multihouse/interhouse funding policy. Every House now gets \$200 per term towards "multihouse events". These events should involve two or more specific houses (e.g. Paintball or Cocktails).

Interhouse parties are specifically not "multihouse events". All Houses may also claim an additional \$200 each fiscal year as part of the Interhouse Memorial Fund. The later money is specifically earmarked for large parties (e.g. OPI, Drop Day, BFP, etc.). Mike is authorized to update the Resolutions with this policy.

Meeting adjourned at 22:55.

Respectfully submitted,

Mike D. Astle, ASCIT Secretary

I.H.C.

MINUTES

JANUARY 28, 1999

Present: All (old and new and some of both) +Baldeep, Dave Tytell, and some other guy on the computer.

General Business

Bartender Training—this weekend (superbowl weekend) Contact Barbara Green (barbarag@its) to become a bartender.

Yearbook Senior Pages—are due tomorrow (01/29)

Prefrosh Weekend Commit-

tee—(Bl) Cheryl Forrest;(Da);(Fl);(Ll) Ellie Park;(Pa);(Ri) Kim Harle;(Ru) Hanna Kim.

Disco—Dabney lost to Ru. Jan 18-22 was Dabney's week to challenge and they lost to Ruddock Jan 25-29 was Blacker's week to challenge. (No challenge==forfeit?) Feb 1-5 was Lloyd's week to challenge, they forfeit. Feb 8-12 is Fleming's week to challenge.

Avery Roompicks for next year—Perhaps the IHC should tell Dr. West that they are unsure whether the Avery Council accurately represents the house, and also that the decision that we came to last year was a big mistake. Baldeep suggests a house

vote to see if the Avery residents truly feel represented by the Council.

Moving IHC meeting time—It would be good to move the meeting time to around 6pm, so Dr. West and other administrators may participate in the open portion of the IHC meetings. This will likely be a recommendation from COSGAA anyway.

COSGAA—(Committee on Student Government and Administrative Action) This committee was recently formed, and includes Mike, Jaideep, Baldeep, and Lisa. The committee is supposed to examine processes (and policy?) related to student government.

Harassment Committee—This committee solicited and received lots of email from students about how messed up Tech is. There used to be separate policies for Professors and Students, and for Sexual vs other types of harassment, but now all types will be combined into one large policy. Members of Ricketts House would like to have an open campus meeting regarding the policy, just like the Fire Policy committee had in November '98. Currently student complaints are directed toward the Deans, and the Deans form a committee to handle that specific incident. Lisa would like a survey distributed.

Cable—It is too costly for Housing to supply Cable to all of the undergraduate houses. A good alternative is to for each house to get its own digital satellite.

Food Committee—Fleming is still running out of food at dinner. Dave says this is because Patrick is trying lots of new stuff, and there is no data about how much of it will be consumed, since there's no previous data. This should stop soon, now that CDS has some data. Also, Dave will be resigning soon as Food Committee Chair.

ASCIT—Tell everyone to run for office.

It's late, -Tanya Tickel

Dessert with the MOSH
at
Steele House
355 S. Holliston

Thursday, February 18, 1999
9-11 pm

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Politics and Soap Operas: Richard III Takes the Ramo Stage

Sex and Lies, But No Videotape: Two Out of Three Ain't Bad

BY DOUG SMITH

Think the impeachment trial is a soap opera? Hah! The English raised politics-as-soap-opera to an art form long ago, and I'm not talking about Chuck and Di. *Richard III* is a tale of politics and dysfunctional families from the days when

and all the Lancastrians are dead. Think that would solve the problem? Not with power-hungry Richard on the loose. Trouble is, he's waaaay down in the line of succession. This

*Poetry and
treachery have
never been wedded
so smoothly...*

impeachment was usually followed by beheading. Marriages were made (and sometimes mistresses were taken) as much for political expediency as for love; children were expendable: you staked your claim to the future through them, but you could always breed more. If you think the charges against Clinton are trumped up, wait until you see what Richard does to his brother George, and to his one-time best friend Lord Hastings, when they come between him and the throne.

Richard III is the last chapter in the Wars of the Roses—an on-again, off-again struggle for England's crown between the House of Lancaster (whose emblem was the red rose) and the House of York (whose emblem was the white rose). This struggle took up the latter half of the fifteenth century. Actually, the wars are a postscript: when the play begins, peace has broken out

gives Shakespeare, and Richard, plenty of room to show off their best stuff. Poetry and treachery have never been

wedded so smoothly, and TACIT, with grad student James Gleeson as Richard and Shirley Marneus as director, can be relied on for a good show.

Come out to see Shakespeare at his best, and politics at its worst! Performances begin tonight in Ramo Auditorium. For more information, visit <http://tickets.caltech.edu>, e-mail tickets@caltech.edu, or call the Office of Public Events at 395-4652.

Richard III

Ramo Auditorium

February 12, 13, 14
19, 20, 21
26, 27, 287:30 p.m. Fridays &
Saturdays

2:00 p.m. Sundays

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\$5 students

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William Shakespeare's

Richard III

Directed by Shirley Marneus

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Politics and Soap Operas: Richard III Takes the Ramo Stage

Since many of the characters have similar names, and are sometimes called by their titles rather than their names, and tend to have interbred with each other, here's a handy cheat sheet to clip and save so you don't have to sweat the history and genealogy. (The characters without confusing relationships have been omitted for clarity.) Please note that this is Shakespeare's truth, and not necessarily the facts.

Edward IV (House of York) is king when the play opens, having killed Henry VI (House of Lancaster) to take the throne. But Edward is not at all well. In fact, he's circling the drain.

Queen Elizabeth (born Elizabeth Woodville), his wife, is a commoner—a gold-digger who brought a pack of relatives and friends to court with her. She has been handing out titles left and right, and the Yorkists and the old nobility hate her. She has an older brother, **Earl Rivers**, and two sons, **Lord Grey** and the **Marquess of Dorset**, by a previous marriage.

Edward IV has two children by Elizabeth: **Edward, Prince of Wales**, age 12, is first in the line of succession.

Richard, Duke of York, is his younger brother. (These two poor kids will go down in history as the Princes in the Tower, so you know what happens to them.)

Edward IV also has two surviving younger brothers:

George, Duke of Clarence, is third in line for the throne—a drunkard who, before the play opens, has already rebelled once against Edward, lost, and been forgiven.

Richard, Duke of Gloucester (pronounced Gloster) will become **King Richard III**. Their father, the previous Duke of York, and their brother, Edward, Duke of Rutland, were killed by the Lancastrians in a remarkably nasty way, even for the times.

The Dutchess of York, their mother, still lives.

Edward IV also has a mistress.

Jane Shore is the wife of a London goldsmith. She was the Marilyn Monroe of her time. After Edward got too sick to keep up with her, she took up with **Hastings, the Lord Chamberlain**, and eventually with Dorset.

Though the men of Lancaster are gone, their widows remain.

Margaret, widow of Henry VI, is the ultimate mother-in-law from hell. Hating Margaret is the one thing the Yorks and the Woodvilles agree on.

Anne is widow of yet another Edward, the Prince of Wales. This one is the son of Henry VI. He would be the Lancastrian heir to the throne, except that he died with his father. Any man from the House of York to marry her would cement his claim to the throne by uniting the two houses.

Safely overseas, another potential claimant lurks:

Henry Tudor, Earl of Richmond, is descended from an illegitimate son of a Lancastrian ancestor a few generations back. (He will become Henry VII.) After his father's death, his mother remarried and is now the wife of

Lord Stanley, Earl of Derby (pronounced Darby). He has adult children from a previous marriage of his own.



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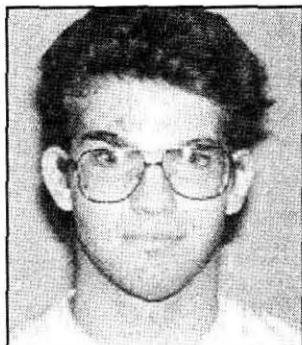
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ADAM VILLANI, MEDIA GUY

by Adam Villani

Rashomon

When I heard my co-worker Dave Barton's theatre company Rude Guerrilla was going to stage a production of Fay and Michael Kanin's *Rashomon* (an adaptation of the Kurosawa film, which was itself an adaptation of two Akutagawa Ryuunosuke short stories) I was filled with anticipation because the story is so good, but also with dread because nobody involved with the production is Japanese. The exciting, thought provoking *Rashomon* is Rude Guerrilla's most accessible play yet, the tale of a rape and murder in a medieval Japanese forest told from four radically different viewpoints.

Director Patrick Gwaltney has wrapped the seating of the tiny theatre around three sides of the stage, bringing an effective intimacy and immediacy to both the action scenes and the more subdued moments. The act-

ing in general is good, but particular kudos should be given to Adam Clark, whose fierce bandit Tajomaru bristles with rugged virility, Robert Dean Nuñez as the weaselly, sarcastic wigmaker, and Jennifer Bishton, who is quite powerful in her brief role as a medium channeling a dead man's soul.

Unfortunately, nobody seemed to have done much research into Japan, and the result is that a good play is sullied by several irritating inaccuracies and flaws. Nobody can agree on a pronunciation of Tajomaru's name, the otherwise beautiful set is marred by a cliched and clumsily written *kanji* character, and at one transition point Chinese opera music is played, an error that carries the insulting implication that all Asians are the same. But the biggest problem was that Pamela Pedder seriously strained credibility as a medieval Japanese woman, playing her far too modern and Western. Her jarring performance undercuts and cheapens her

character's motivations. All problems aside, seeing this play up close brings an engaging new dimension to a familiar story. *Rashomon* plays through Feb. 21 at the Empire Theatre, 200 N. Broadway, Santa Ana, (714) 547-4688. \$12 tickets, \$10 for students with ID.

Oscar nominations

The Academy of Motion Picture Arts and Sciences announced the nominations for the Oscars early Tuesday morning,

where movies like *Gods and Monsters*, *Affliction*, *American History X*, *Hilary and Jackie*, and the marvelous *Central Station* were all recognized. On the down side, the much-lauded *Truman Show* only picked up three nominations, and *Bulworth* only one. Also, the simplistic, vastly overrated *Elizabeth* was honored in seven categories, including Best Picture. Cate Blanchett's steely performance in that film, however, deserved its nomination.

Many of my favorites from the year, like *Fireworks* (*Hana-Bi*), *The Celebration*, and *Henry Fool* got blanked, but I really couldn't expect for the Academy to notice such nontraditional fare.

...particular kudos should be given to Adam Clark, whose fierce bandit Tajomaru bristles with rugged virility...

Ryan wasn't far behind with 11 nods. I was very happy to see Terence Malick's challenging *The Thin Red Line* pick up nominations in seven categories, including Best Picture. View these nominations as its awards, however; don't expect it to pick up many, if any statuettes on March 21.

Smaller movies also fared quite well, particularly in the acting categories,

I've been somewhat remiss in my movie-going duties this year, so I'll wait until just before the awards to give a full analysis and predictions, but for now you can expect both *Shakespeare in Love* and *Saving Private Ryan* to divide the bulk of the statuettes between themselves on Oscar night, with the edge for Best Picture still with *Ryan*.

Career Corner The Effective Resumé

by Jonie Watanabe

Two Caltech students are applying for the same engineering position at a major Fortune 500 company. Both students are majoring in Engineering & Applied Science and have a GPA of 3.8, and they both have similar work experience. What will be the major factor in deciding who will be interviewed for the position? The resumé.

Most people know the basics of a resumé: include your name, address, phone number, educational background, and work experience. However, there is more to a resumé than those simple facts. Did you know that the average recruiter takes just 15 to 30 seconds to look over a resumé? In that brief time period, your resumé needs to grab the reader's attention and prove to him (or her) why you should be the candidate who gets the interview—and gets hired.

With Career Day just around the corner (next Thursday, February 18), it's

especially important to work on your resumé. A few hours of making your first resumé, or examining your current one, could pay off big in a summer job or permanent position.

Here are a few guidelines to help you prepare your resumé:

- Keep your resumé brief. (Most new graduates should be able to keep their resumés to one page. PhDs and Postdocs may generally keep theirs to 2 pages.)

- Use bullets, boldface, and white space to highlight important points. (Try to stay away from italics, as they do not scan well.)

The font should be easy to read (like Times New Roman) at a size no smaller than 12.

- Have a dynamic resumé—remember 30 seconds. Begin each statement

with an action verb. For each position listed, the statements should be able to answer the questions of what, where, when, and how.

- Be sure to use good quality, white bond paper.
- Do not include personal information such as your age, sex, height, weight, marital status, hobbies, religious or

political activities, etc. These facts will not help you, but they may eliminate you from the running.

- Aside from your address and phone number, include your e-mail address (but make sure you check it on a regular basis!), and web URL, if you have one. Be careful, though: if you put a URL on your resumé, it will be checked out. Don't include anything that you wouldn't want a future employer to see. Even a reference to a hobby, extracurricular activity, or your favorite TV show may turn off a potential employer.

The web page should be professional, relating to your field or industry.

- Check and re-check your resumé for spelling, punctuation, and grammatical errors. (Have it critiqued by a career counselor at the Career Development Center.)

- Most of all, do your homework. Research the company and the position, and tailor your resumé to fit the company's needs.

Jonie Watanabe is a Career Counselor at Caltech's Career Development Center

...your resumé needs to grab the reader's attention and prove to him (or her) why you should be the candidate who gets the interview—and gets hired.

Y news

by Elizabeth Chiang

Thanks for everyone who came to **Mini Decompression**. It was a great turnout and we had a great time. Next time, we'll make sure to get more food!

- This Friday, the Y and the Caltech C are cosponsoring a **Chinese New Year Party**. More information can be found on flyers around campus.

- Celebrate the **Lunar New Year**! Join us in celebrating the year of the Rabbit on Tuesday, Feb. 16 on the San Pasqual Mall from 12-1 p.m.. There will be lion dancers, cultural dances, sweets and more! Come and see what the year of the Rabbit has in store for you. Cosponsored by the Asian Pacific Student Union, the Caltech Y, ISP, ASCIT, GSC, and Dean of Students Office.

- **Union Station** is coming up on February 20. This is a Work Study opportunity where we serve dinner to the needy at Union Station Food Kitchen. Contact Athena Castro at the Y for more information. February 20 is also the day when the **JPL Trail Maintenance** group gets together and heads off into the woods. Caltech students are welcome to join. The group leaves at 8:00 a.m. Contact Marcus at msarfim@cco for more information.

- On February 22, the Y is sponsoring the speaker **John Andrewson** on "Civil Society as a Growing Force in World Governance." This talk will be held in Beckman Auditorium from 7:30 - 9:00. February 26 offers "**An Evening with Langston and Martin**" co sponsored with Public Events. Get your tickets now. Student tickets are only \$5.

- Remember, the Caltech Y can assist your club with events such as parties, speakers, outings or whatever you can imagine. "Assist" may include helping you advertise, funding, or getting a band. To find out more information, contact the Y or come to a Y meeting, held on Mondays at noon in the Y Lounge behind Steele House.

- Mark April 10 on your calendar! That day will be the **Beach Clean Up** with CETF. The Y also has tickets to the **Van Gogh exhibit** at the LACMA on April 10. Students may purchase discounted tickets at \$10 a ticket, half price. Limited tickets are available. Sign up for them at Steele House.

The Ticket Stub

by Justin Ho

She's All That ***+1/2
Rated PG-13 to discourage anyone younger and annoying from watching mild language and submission to peer pressure.

I hate watching teenager movies with a bunch of pre-teenyboppers who think applauding at awkward moments is some rite of passage. Such was the case for *I Know What You Did Last Summer*, when little kiddy voices behind me were squeaking "Go Sarah!" [Michelle Gellar] as she ran away from the hook murderer. Expendable adolescents aside, I absolutely loved *She's All That*.

It's a modern fairy-tale-like movie without such a saccharine ending, or some revolutionary uprising of social

outcasts that is really far-fetched. And after so many years of *Beverly Hills 90210* and *Clueless*, like yeah, there are people who like talk like that.

The film is amazingly adept at gently mocking different genres of pop culture: the artsy fanatics in small clubs with stage productions of existentialist jargon where little midgets aspire to be like Mike; the cleavage-pool party spring break dance fest; teen worshippers of anyone launched to shallow stardom by MTV's Real World; the sporty crew jock's testosterone shop, and yeah, the Gucci-Prada-silicon whatever convention.

The social issues-artsy faction is comprised of one-self wonder Laney Boggs (Rachel Leigh Cook), who, in

the midst of a multifariously useless high school class, is rather a social outcast. Even in her art class, where her work is amazingly "dark," impersonal, and environmentally or humanitarianly centric, her classmates, alluding to artists like Van Gogh whose art was only appreciated posthumously, tell her to kill herself.

Much to her chagrin, as if her dorky glasses, staircase-tripping, book-carrying facade wasn't alluring enough, she is suddenly courted by the senior-class president stud man, Zack (Harry Prinze, Jr.). Momen-tary note, this guy has the 4th highest GPA in the class, yet doesn't even carry a book in school and doesn't have an academic thought throughout the entire movie, but still had no problem getting into Harvard, Yale, and Dartmouth. **Major** understatement to say a slap in the face of IVY League Schools.

As it turns out, Zack was miserably dropped by high school IT girl Taylor Vaughn. During a spring fling in Florida, she fell totally infatuated with a MTV Real World cheesehead, some self-absorbed Vanilla Ice bama with a **real** chance of going somewhere. As if, her snotty attitude and popularity makes her a shoo-in for Prom Queen,

leaving Zack without a phenomenally gorgeous date to really call his own... "What? You didn't really expect me to still be dating you when I went to college did you? Oh, you did? Awww, that's so sweet."

Anyhow, to minimize damage to his unimpregnable image, as all quintessential frat-boy like guys do, he brags that he hasn't lost anything. Any girl in the school has the potential of turning into the next Lady Godiva. Warning: do not enter a bet when you're on the rebound. Zack's bravados lure him into making a bet whereby he has 6 weeks to turn a girl his best friend chooses into the Prom Queen. The guinea pig: anti-socialite Laney Boggs.

Initially skeptical, Laney manages to elude Zack's attempts to befriend her. Her challenge, though, draws him into the artsy world. A rather trite hacky-sacking folly turns into a philosophical breakthrough on-stage. Likewise, Zack triumphs by softening Laney's aloof demeanor by introducing her to the cool side of posh, hedonistic high school culture.

The real sparks start to fly when the spice, not-nice girl Taylor meets covertly cute, sweet-personality Laney. It also helps that she loses the glasses for contacts and under-

goes maven makeover so that a lot of people switch to her side in the sudden match between cutesy princess and Bit*h Queen. The title refers to a cleverly done rap extolling Laney's much superior personal qualities. The rap trio serves as only one portion of the eclectic groups who turn Laney into the poster child of nonconformists in the race for her Prom Queen title.

As I said, the movie is fairy-tale-esque, and what fairy tale could happen once upon a time without the Prince falling in love? Truth be told, the dorky artsy girl becomes Zack's object of endearment, though, indecisive as he is, he never gets around to asking her to the Prom.

Saying more would be ruining the little surprises, though the nice plot isn't the main reason to see the movie. The story substance is a notch lower than *Shakespeare in Love*, and the acting one below *Scream*, but there are some absolutely comical moments and cleverly written lines. Also, although dance movies/musicals are a dying breed, the Prom formal shin-dig is an aesthetic masterpiece—tres contemporary and tres chic, kinda the West Side Story moment of the '90s. *She's All That* is ever the crowd-pleaser.

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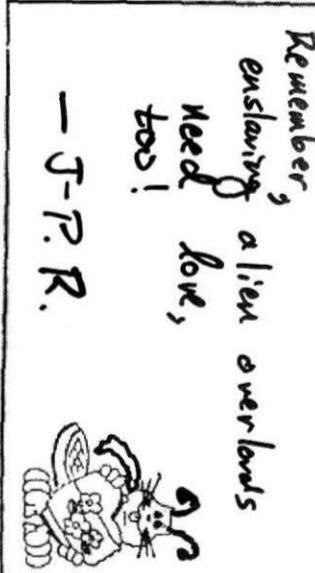
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Track Teams Fight Hard Against Cal Lutheran, but End Up With A Loss

BY TIM RAUB

Both the Men's and the Women's Track Teams fell to Cal Lutheran last Saturday, but there were many event highlights that herald exciting possibilities for later in this young season. The Beavers made a strong showing against the team that finished fourth place in last year's Conference meet and earlier that season beat Caltech by more than 100 points.

The Beaver distance crew pounded terror into the hearts of the CLU coaches in the day's first event when Arjun Menirrata (4:34.8), Tim Raub (4:35.0), and Adrian Seymour (4:35.3) took first, second, and fourth place in the 1500m race. The pace had been slow for three laps, and the close race was decided in a furious sprint to the finish in which the Cal Lutheran runner who had set the pace early on found himself outmatched by the withering Beaver Kick. Kenny Higa (4:44.6), Troy Lee, Zach Medin, and Michael Boedeker also set personal bests in the day's first race.

If even a few of the hundreds of volunteer officials who showed up to soak up the sunny splendor of a Saturday sporting event had been wondering, "Wow! What's up with Caltech this year?" after the first event, they stopped wondering in a hurry. Caltech had no entries in the women's 1500m, the men's

100m high hurdles, the men's 400m dash, the women's 100m dash, the women's 4x800m relay, or the men's Sprint Medley, and so Cal Lutheran easily picked up the soft points it needed to make the final score decisive.

Dirk Englund (12.2), Alex Karisted (12.6), and Dave Guskin (12.9) set season-best marks in the 100m dash, and teamed up later to put together a 3:53.2 Mile Relay.

In the events they did compete in, however, the Beavers continued to make strong showings, as Dirk Englund (12.2), Alex Karisted (12.6), and Dave Guskin (12.9) set season-best marks in the 100m dash, and teamed up later to put together a 3:53.2 Mile Relay.

Ian Shapiro ran the clocking of the day as he made up a 120m stagger en route to a 2:04.0 leg on the 4x800m relay, and Tim Raub made the laugh of the day as he was passed by a girl later in the same race.

At the last minute, Phyllis Chen and Paula Whitten dripped their way onto the track after finishing a swim meet which also occurred Saturday. They joined Serena Eley and Amy Kelly to complete a 4x400m relay that turned out to be the women's only victory of the day (4:56.9).

The Field, usually Caltech's dominant stronghold, proved unfriendly Saturday as many throwers left disappointed with their performances and conditions in general. Aaron Kuzin (11.12m) and Matt Ballard (10.87m) were competitive in the shot put and threw season-bests in the discus as well (123'11" and 92'5"). Brad Blakestad threw the disc 77'10" and anchored the Men's Big Boy Relay which won stunningly in the last event of the day.

Kuzin (44.09m), Steve Schell (44.02m), and Ballard (31.06m) threw spears high into the air, they came to Earth I know where but everyone expects that they'll be falling to Earth a whole lot farther later this season. Kuzin, Schell, and Ballard made up the first three legs of Caltech's dominant Big Boy Relay.

The Beavers host a Quadrangular Meet on the Track tomorrow. Conference powerhouses Redlands and Occidental will provide key early-season measures of Tech's progress, and College of the Canyons will make an appearance too.

Women's Tennis Swats Whittier In 5-4 Win

BY KAREN NELSON

The women's tennis team traveled to Whittier for their opening match on Feb. 3. Despite some first-match jitters, the Beavers came home with a hard-fought

5-4 win. Caltech was up 2-1 after doubles play, with the #1 duo of senior Amy Chang-Chien and frosh Nalini Colaco winning 8-6, and

sophomores Caroline Lim and Iljie Kim pulling out a close 9-7 pro-set at the #3 spot. In singles play, Chang-Chien (#3) dictated the match from the start in her 6-3, 6-2 victory. Kim (#6) was Tech's second singles win. Kim battled through long points and games to defeat her Whittier opponent 6-4, 6-3. That win brought the score to 4-4 with the #5 singles match (Caltech's Caroline Lim) still on the court. As the third set wore on, Lim intensified her focus and raised her level of play. Lim played a steady, relaxed game in the latter stages of that third set, which paid off in the final 6-4, 3-6, 6-4 win, clinching Caltech's 5-4 victory.

Caltech hosted Occidental on February 5. The Beavers dropped all three doubles matches, putting them down 0-3 going into singles play. Kim put Tech on the scoreboard when she cruised to a 6-2, 6-0 victory. Caltech's only other two points came at the #1 and #2 positions, as Colaco and sophomore Nita Losoponkul

defeated their opponents in straight sets. Colaco (#1) won 6-3, 6-3 with steady, offensive play, while Losoponkul stayed patient and used consistency and variety to dictate in her 6-2, 6-3 win. Chang-Chien played well at #4, but couldn't withstand Oxy's charge in the third, dropping a hard-fought 5-7, 6-4, 6-2 match. Although Caltech lost 6-3, they are looking to better their outcome in the conference match against Oxy on April 10.

The women's tennis team's next match is at home today at 3 p.m., against Cal Lutheran.

Karen Nelson is the Women's Tennis Coach Senior Woman Administrator



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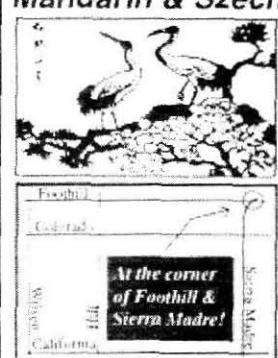
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that

a ways, there is its cu-

polo, and up ahead by that bridge

should be the Houses of Parliament,

and yes there is Big Ben. I did not

make it there, but I did get to the

Monet exhibit now showing at the

Royal Academy of Art. There I saw a

stupendous collection of paintings of

the Houses of Parliament each in a

different light, all exactly from the

same point of view, out the window

of Monet's room at the Savoy Hotel,

a bit down the Embankment. Castles,

churches, cathedrals, roads and parks

further away, toy cars and trucks as

neat as play cars trickling down streets,

around traffic circles, their dust and

grime hidden by the distance and the

anticipating eye of the traveler, an

angel's point of view....

It was very pleasant to rediscover

places that I knew long ago. I could

walk down the street and suddenly

come on a familiar corner, a narrow

alleyway that for some unknown rea-

son had always appealed to me, a res-

taurant where I had had a memorable

meal. Of course there were changes,

but, with some exceptions as I will tell

shortly, they mostly did nothing to jar

the past. St Martin's in the Fields, was

still not
in the fields, and
still had noon time con-

certs. I left some money in the till,

hoping that it would help to have a

St Martin next time I had the chance

to go. Trafalgar Square, at the church's

steps had many more pigeons than I

remembered. There was now a small

trailer from which a concessionaire

sold portions of grain, right at the foot

of Nelson's statue. He was still there

perched on his obelisk, high above the

crowds. People held out their palms

full of pigeon feed, with the birds

clumsily trying to get their share and

more, fluttering about, jockeying for

position. There were even a few terns

joining the fray.

One result of attracting of all this

semi-wildlife was that all the kings and

the grandees on their horses or in he-

roic pauses, all had white hair. It was

not very respectful, but in a way some-

what naturalistic, since the great ma-

jority had been wearing powdered

wigs when alive.

On Regent Street, one of the

upper crust mercantile streets, next to

luxury shops in dark stone buildings

and sober mien, one now finds those

stalwart American equalizers,

McDonald and Burger King in their

bright splashy colors. At least

McDonald has a name with a local

sonority. I suppose one can argue that

Starbucks has too. Every few blocks,

they display their coffees, just as they do here. I read there are 60 Starbucks stores in London! it is difficult to imagine what was previously in the spaces they now occupy. The dim sum place on Gerrard Street still serves dim sum but only during the day now. It looks clinically clean. No greasy ducks hanging in the windows here. In the old days there had been opulent drapes slung from wall to wall, and covering the ceiling, red and gold, lots of dragons with lusty tongues, all of it dusty and torn enough to give you the feeling the place might have been something else than a place to eat.

A brisk young lady was taking care of the till in a most inefficient way. The waiters scribbled down orders and handed her the forms when it was time to pay. She wrote in the prices, made the addition, added the service and then proudly walked to your table to hand you your bill. Of course when several people were ready to pay at the same time, this led to an interminable bottleneck and then, there were palavers and adjustments; what is this charge for \$1.60? Oh that's your sparkling mineral water, Sir. True I had ordered Pellegrino. What I had received was a glass of tap water with ice and a slice of lemon. Hey, at home the lemons are ornamentals, not worth \$2.72 cents for a thin slice. Often people don't bother to eat them.. But then I had drunk the water, there was no way to prove I had not had the sparkling water...

While I was in London the talk of the town's newspapers) was the plight of Mr. Hoddle. He is (was) the

Coach of the British soccer team that was to play the French National team, the World Champions, whatever the winners of the World Cup are called.

What seems to have happened is that Mr. Hoddle was led to (pushed, encouraged, entrapped) into saying something to the effect that the disabled must be paying for some inappropriate actions in a previous life. You see, he recently had been consulting a guru who believes in reincarnation. Poor Hoddle was muddled. "I did not mean it that way". "My Mum" he said, takes care of disabled children and is supportive of me. Tony Blair, the prime minister, at first was all for sacking Hoddle, then decided perhaps he should not be involved. I guess the only good thing to come out of it is that the British team has a ready excuse whatever happens in the match.

Should the team win, it can be doubly praised for a cracker jack performance while laboring under a serious handicap. Of course should the team lose then there are ready made scapegoats, Hoddle or his guru, perhaps both. A masterful political gambit, which would have made Machiavelli proud.

A bientot,

Jean Paul Revel

Oh! and PS: My thanks to all the people who pointed out that the sign painted on the building at the corner of Green and Fair Oaks actually read: "My people are the people of the dessert, said TE Lawrence, picking up his fork".

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Announcements

given by Dr. Alexander Jones of the University of Toronto at 4:00 pm Friday, February 12 in room 25 Baxter. Refreshments will be served in Judy Library following the lecture.

****Mark your calendars! Prefrosh Weekend 1999** is scheduled for Thursday, April 15th, through Sunday, April 18th. If you are interested in helping out with Prefrosh Weekend, please contact Dina Figueroa, Assistant Director of Admissions, at dina@admissions.caltech.edu.

It's time to SURF! Even though summer seems far off, now is the time to start thinking about SURFing this summer. If you're thinking about applying for a SURF, you should begin now to look for a mentor and ask for letters of recommendation. The SURF application deadline is Monday, March 1. Check out the SURF web site at www.its.caltech.edu/~surf/ to get information on the application process, look at announcements of opportunity from specific faculty members and JPL technical staff members, and download an application. For more information, contact the Student-Faculty Programs office at x2885 or sfp@its.

In February 1999, the **Norton Simon Museum**, on the corner of Orange Grove and Colorado Boulevards, will present an exhibition underscoring a momentous era in its remarkable history: "Highlights from the Collection and Archives of the Pasadena Art Museum." As Part of a citywide celebration of art in Pasadena entitled "RADICAL P.A.S.T.: Contemporary Art in Pasadena, 1960-1974," this exhibition gives an unprecedented look into the extraordinary collection and archives of the Pasadena Art Museum, now known as the Norton Simon Museum. The exhibition opens February 7. Contact Kimberly Gilhooly at 626-449-6840 x238.

Free anonymous HIV testing is available every Monday evening using Orasure oral testing at the AIDS Service Center, 1030 S Arroyo Parkway. Appointments by calling 888-448-9242 are preferred; walk-ins are welcome. Last appointment at 8:00 pm. For more information call Craig Petinak at 626-441-8495.

Looking for summer work in one of the nation's last examples of pristine wilderness? **Glacier National Park**, located in the northwest corner of Montana, is looking for students to fill more than 900 summer jobs in all segments of the hotel and hospitality areas. Positions range from hotel front desk clerks to tour guides to guest entertainment roles. For details on jobs and salaries call Glacier Park, Inc. at 602-207-2620, write to them at 1850 North Cen-

Events

**The third lecture in the winter Series on Science, Ethics, and Public Policy, entitled "Carnal Knowledge: Art, Science, and the Body in Early Modern Europe," will be

Mints

Fellowships and Scholarships

****Now that the snake has bitten ... Caltech SEDS** will be holding its third telescope construction meeting beginning Sunday, February 14 at 2:00 pm in the SEDS lab (0011 Thomas). No prior experience is necessary. For detailed construction plans follow the Construction Instructions link from <http://www.cco.caltech.edu/~seeds/telescope.html>. For other information contact Loren Hoffman at loren@cco.caltech.edu or Leon Torres at leon@ugcs.caltech.edu.

****Join the Caltech Glee Clubs** at 8:00 pm on February 19-20 in Dabney Lounge for Songs of the Spirit, including music by Casals, Larsen, Mozart, Willcocks, and vocal orchestra music from the film Paradise Road.

****Join the Caltech-Occidental Concert Band** for a free concert at 8:00 pm Saturday, February 20 in Thorne Hall at Occidental College.

This fine concert will feature the music of John Philip Sousa, Leonard Bernstein, and many other wonderful composers. The location may not be so convenient as, say, Beckman Auditorium, but Thorne Hall's excellent acoustics make the trip well worth the effort.

****Tune in to KPCC-FM 89.3** from 6:00 to 7:00 pm on Wednesday, February 17 to hear Morgan Kousser, Professor of History and Social Science at Caltech, discuss "Color-blind Injustice" on Airtalk: The Caltech Edition. Dial 626-793-3667 for call-ins.

Theater Arts at Caltech will present **Richard III** in Ramo Auditorium, 332 S. Michigan Ave. on Fridays, February 12, 19, and 26, Saturdays, February 13, 20, and 27, and Sundays, February 14, 21, and 28. Friday and Saturday showings are at 7:30 p.m., Friday showings at 3:00 p.m. General admission is \$15.00. For more information call 1-800-2CALTECH or 626-395-4652.

Raphael Green will narrate the **Armchair Adventures travel film China: The Middle Kingdom** on Friday, February 19, at 8:00 pm in Caltech's Beckman Auditorium. Tickets are priced at \$9.00 and \$7.00 and can be purchased at the Caltech Ticket Office, 332 S. Michigan Ave., or any Ticketmaster Ticket Center. For more information call 1-800-2CALTECH or 626-395-4652 or Ticketmaster at 213-365-3500.

"Tools for Building Strong Families" will be the title of the presentation at the Pasadena Civic Auditorium by Dr. T. Berry Brazelton, world renowned pediatrician, author, and family advocate on Wednesday, February 17, at 8:00 pm as part of the distinguished speaker series. Ticket prices range from \$16.00 to \$46.00 and can be purchased at the Pasadena Civic Box Office, 626-449-7360 or through Ticketmaster. For more information contact Kathy Winterhalder at 310-546-6222.

****The Dennis W. Cabaret Scholarship Committee** is pleased to announce the availability of scholarships for students whose permanent address is in Orange County. Applicants must have completed at least one year of college, have a 3.0 or higher GPA, be currently enrollment in an institution of higher education, and clear roots of activism in the Orange County lesbian and gay community. The applicant is advised that the Scholarship Committee may call him or her for a personal interview. Applications are available in the Financial Aid Office. Completed applications should be sent to: Dennis W. Cabaret Scholarship, c/o Thomas J. Peterson, 2821 Cassia Street, Newport Beach, CA 92660-3217. Applications must be postmarked by Friday, February 26, 1999.

The Deans' Office is accepting proposals for the **Monticello Foundation and the Robert and Delpha Noland Summer Internships**. Three to five Caltech undergraduate women (current freshmen, sophomores and juniors) will be given an opportunity to participate in research projects outside the Caltech-JPL community for ten weeks during the summer. Each student will receive a \$4,000 stipend. Applicants are required to identify the projects in which they wish to participate for a ten-week period. All arrangements with the principal researcher will be the responsibility of the student. Each applicant must describe her project in a short essay and submit it to the Deans' Office, 102 Parsons-Gates, along with two faculty recommendations. Proposals are due Monday, March 1, 1999.

The John Gyles Education Fund is offering scholarship awards up to \$3,000 for the 1999-2000 academic year. Applicants must be Canadian or U.S. Citizens, have a 2.7 or higher GPA, and demonstrate financial need. Criteria other than strictly academic ability and financial need are considered in the selection process. To obtain an application, send a self-addressed, stamped envelope to: The John Gyles Education Fund, Attention: The Secretary, P.O. Box 4808, 712 Riverside Drive, Fredericton, New Brunswick, Canada E3B 5G4. Filing dates for mailing documents in 1999 are April 1, June 1, and November 15.

The Fulbright Program has started a special program for graduating seniors who are U.S. citizens and have a knowledge of **Mandarin Chinese**. Students will be able to study in China for 10 months beginning in late August of 1999. Students will need to go through the regular Fulbright application process and be endorsed by the Caltech Fulbright Advisor, Lauren Stolper. Applications are available through the Fellowship Advising Office. Call ext. 3150 or email lstolper@caltech.edu to request an application. The campus deadline for submitting completed applications will be Friday, February 19. Applications and all reference materials should be sent to Lauren Stolper, 25-58.

The American Chemical Society Scholars Program will award approximately 75 scholarship awards to undergraduate students interested in four-year degrees in the chemical sciences. Applicants must be African American, Hispanic American, and Native American; and be U.S. citizens or permanent residents. These scholarships are valued at up to \$2,500 for the academic year. Applications are available in the Financial Aid Office. The deadline is February 15, 1999.

The American Chemical Society/PPG Scholarships Plus scholarships are for incoming freshmen interested in four-year degrees in the chemistry or chemical engineering. Scholarships are renewable if initial eligibility criteria are maintained throughout undergraduate study. Applicants must be African American, Hispanic American, and Native American, and be U.S. citizen or permanent residents. These scholarships are valued at up to \$2,500 for each academic year. Applications are available in the Financial Aid Office. The deadline is February 15, 1999.

The Chemical Society/Bayer Scholars awards are for incoming freshmen, sophomore, and junior students majoring in chemistry or biochemistry. Scholarships are renewable if initial eligibility criteria are maintained throughout undergraduate study. Applicants must be African American, Hispanic American, and Native American; and be U.S. citizen or permanent residents. These scholarships are valued at up to \$2,500 for each academic year. Applications are available in the Financial Aid Office. The deadline is February 15, 1999.

The American Society of Naval Engineers is offering scholarship awards of \$2,500 for undergraduate students and \$3,500 for graduate students for the 1998-99 academic year. Applicants must be U.S. Citizens

and demonstrate a genuine interest in a career in naval engineering. The scholarship award must be for support of the last year of full-time or co-op undergraduate program or for one year of full-time graduate study leading to a designated degree at an accredited college or university. Applications are available in the Financial Aid Office. The deadline is February 15, 1999.

The American Electroplaters and Surface Finishers Society (AESF) is offering scholarships to upper-class undergraduate and graduate students for the 1999-2000 academic year who are interested in careers in the electroplating and surface finishing field. Undergraduates must be full-time and majoring in chemistry, chemical engineering, environmental engineering, materials science, materials engineering, metallurgy, or metallurgical engineering. To obtain an application form and further information, send a self-addressed, stamped envelope to: AESF Scholarship Committee, American Electroplaters and Surface Finishers Society, 12644 Research Parkway, Orlando, FL 32826-3298. The deadline is April 15, 1999.

Fellowships Advising and Resources has received information on a number of **summer undergraduate research fellowships**. Students receive a stipend and sometimes travel and room fees are paid. Research opportunities are at a number of universities and research institutes including the Mayo Clinic, the University of Georgia, and Princeton. Stop by our office and check through the summer fellowship files for information on these and other summer fellowship opportunities.

For information on the listed fellowships, assistance with essays, for clarification of questions, contact:

FAR - The Fellowships Advising and Resources Office. To make an appointment, call x2150.

For more information, please email lauren_stolper@starbase1.caltech.edu.

UFA - The Undergraduate Financial Aid Office. For information, call x6280, or stop by 515 S. Wilson for an appointment.

To submit an event for the Mints, contact mints@tech.caltech.edu or Mail Code 040-058 by noon on the Monday prior to its inclusion. Submissions must be brief and concise. Please do not send Mints in difficult formats like Binhex or Word document. ASCII and rtf are best. The editors reserve the right to edit and abridge all material. Solicitations will be referred to the business manager.

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