

Student-Faculty conference retrospective

by Zackary D. Berger

As the February 25th Student-Faculty Conference draws near, it seems natural to examine the results of the 1991 Conference. Which, if any, of its proposals have been effected? Should we expect concrete results from this year's conference, or merely a (valuable) reiteration of complaints never to be acted upon?

Three committees presented reports at the 1991 conference, held under Dean Christopher Brennen: Honor System, Academic Programs, and Quality of Life.

The *Honor System Committee* presented three proposals:

i. A student/faculty committee "whose purpose is to receive complaints . . . from the community at large . . . concerning the fairness of administrative/faculty policies and decisions." No such committee exists. Complaints either go unmentioned or are dissipated through administrative inaction.

ii. "A special honor system booklet for faculty and staff was needed and should be supported by Institute funds . . . [N]ew faculty should be encouraged to attend [Frosh Camp]." The Board of Control is composing a new edition of a Faculty Handbook. Have new faculty been encouraged to attend Frosh Camp? It's not clear; but evidence suggests that no special recommen-

dation has been made to these faculty.

iii. "Both the committee and the conference expressed concern for the role played by the Honor System in nonacademic areas . . ." Naturally such a proposal provides no specific suggestions. However, the concerns expressed by the conference are even more applicable three years later. The policies of the Institute (and, more particularly, those of the Residence Life Office) concerning drug use and sexual harassment, for example, have increased administrative governance of student life and decreased student self-government through the Honor System. If anything, the Honor System's erosion from the realm of social interaction has become even more widespread in the years since the '91 conference.

The *Academic Programs Committee* presented a number of proposals, some of which follow:

i. "[T]he efficacy of the current teaching evaluation system needs to be improved." While evaluative response to the Course Listings for Undergraduate Education (CLUE) has increased in recent years, student feedback during the course itself, as well as the response of faculty to criticism, is notoriously sporadic and ineffective. In summary, the effectiveness of teaching evaluation has improved

see CONFERENCE, page 9

Mannion proposes Caltech cable system

by Michael Benedetti

Thomas Mannion, Caltech's Housing Manager, has recently proposed that Caltech install its own cable television system, in association with an outside company.

Because the project is still in the early planning stages, the details of the system have not yet been established. However, Mannion makes it clear that the only kind of system that will be considered "is one that will enhance Caltech's academic mission, not one for entertainment only."

The system currently under consideration would include a wide variety of programming, including local L.A. stations, superstations from around the country (such as WGN), East Coast network feed

from stations like WABC, news and information channels, and a number of international channels. The system would also include the capability for Caltech students to create their own channel, and for on-campus lectures to be taped and broadcast.

Mannion is especially interested in providing international students with news and programming from their native countries. "It's one of the primary reasons I became interested in doing something like this," Mannion said.

Mannion's inspiration for this project was a cable project carried out at the George Washington University, while he was an administrator there. At GW, there was very limited programming, mostly

see CABLE, page 3



photo by Christopher DuPuis

A bed of beautiful flowers, full of zest for life, blooms just in time for Valentine's Day.

It's part of our past: The Morehouse Men at Tech

by Edray Goins

Note: This is the sixth in a series of vignettes, to be published throughout the term, on the history of Caltech's under-represented students.

Caltech has generated figures that will always be celebrated for their support of traditionally underrepresented students. Alumni such as James Lu Valle and Joe Rhodes are remembered and revered by those whose lives they touched. However, there are alumni that have made equally remarkable advancements, and continue to do so, but receive little recognition as pathfinders to the roads of change.

Dr. James King, Jr., the current Assistant Laboratory Director at the Jet Propulsion Laboratory, was a graduate student at Caltech during the 1950's. As one of the first Black students to enroll at the Institute and follow in Lu Valle's footsteps, he encountered considerable hardship and prejudice. Through perseverance and determination, he was graduated with a doctorate in chemical physics in 1958. As the first graduate of Morehouse College in Atlanta, Georgia (the only Historically Black College in the United States for Black men) to be graduated from Caltech, he inspired others to follow in his footsteps. William D. Hutchinson, a colleague from Morehouse that was graduated the same year King earned his master's

degree, decided to enroll at Caltech.

At the time Hutchinson was graduated, in 1955, there was a great deal of discussion about integration in schools. There were those at Morehouse who wanted him to apply to the University of Alabama. No Black student had ever attended the school, because if one attempted to, he would receive a draft notice immediately. Hutchinson decided to not get involved in these politics, and did not even apply there. The only two colleges he considered attending were the University of Chicago and Caltech. One of his college professors earned a doctorate at the Chicago campus, but an article in TIME magazine that described Caltech caught Hutchinson's eye. Although it emphasized the competitive nature of the Institute,

Hutchinson's friend King seemed to be surviving. Hutchinson finally decided on Caltech.

He was fortunate to receive a full scholarship to the Institute. The case Plessy v. Ferguson ordered equal educational opportunities for all students, regardless of race, so Hutchinson petitioned the state of Alabama to fund his education. The state must have believed he would attend school within the state, because it agreed; it cost close to nothing to attend school in Alabama. The state funded all of his education while at the Institute. After a few years at Caltech, he bought a car with the extra money. However, he paid only \$345.50 for it.

From the moment he set foot on the campus in August of 1955, Hutchinson learned that Caltech

see MOREHOUSE, page 3

The California Tech

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Nominations are now open for two Representative-at-Large positions on the Board of Control. The new Representatives will be selected on the basis of interviews conducted by members of the Board. The term as Representative is for one year, starting on March 2, 1994. Sign-up sheets will be outside the ASCIT office (SAC 64) until Wednesday, February 16, at 5 P.M. Preliminary interviews will be held on Thursday, February 17. Questions should be directed to Dan Millward, BOC Secretary, x6200.



letters to the editor

Don't ram other people's cars

There is a tendency to be too casual, too careless in the way one person treats another in everyday life. This observation is (unfortunately) very well demonstrated almost daily in our parking lots here on campus. It is my belief that the "Honor Code" applies to the entire Caltech community and also that the California Vehicle Code absolutely applies to everyone who owns and drives a vehicle. It has been my misfortune to discover that there is an alarming disregard of both my belief and of the law.

It is a given fact that the parking situation is terrible in all lots on the campus. The only way to aid this problem is to drive as carefully and slowly as possible in these lots. When you park your vehicle, park in a designated space. I freely admit not being in a space when my small truck was crunched. It was the second time I had parked in that particular location and, I can assure you, the last.

According to security officer Manny Hernandez, as he was taking my "incident" report, these crunches occur all the time. In fact, the poor man himself was such a victim!

So, people, let's try to be a bit

more considerate of other people's property, a little more honest, and a little more law abiding.

Meanwhile, I'm looking for a yellow vehicle with some of my red paint.

Jan Mayne
Geology 170-25

Please send letters to the editor to *The California Tech*, Caltech 40-58, Pasadena, CA 91125, or by e-mail to editors@tech.caltech.edu.

The Tech reserves the right to edit all letters for brevity or otherwise, and to refuse to print any letter for any reason.

194 words of griping about Caltech

by Michael Benedetti

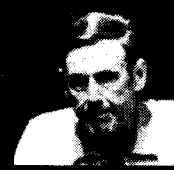
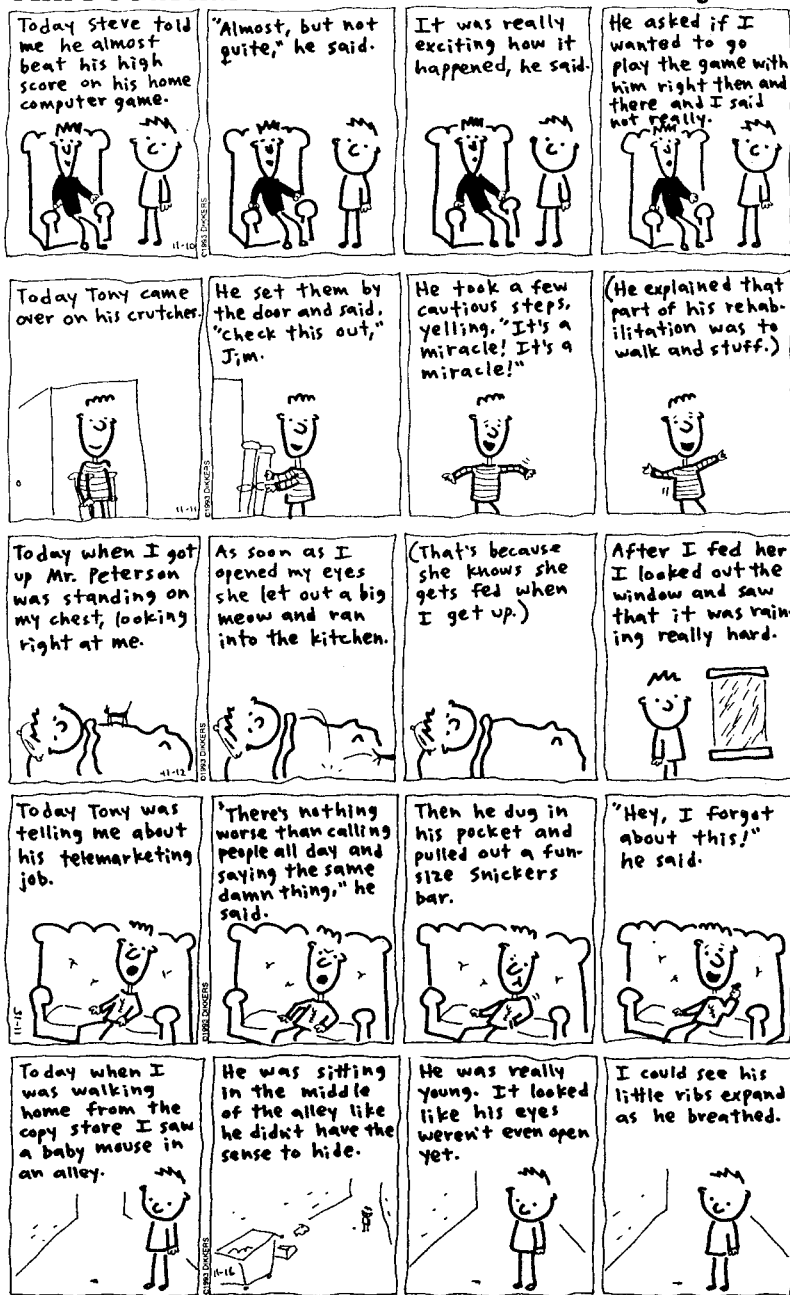
I received a number of positive comments about my column on junk mail, so I will continue my forays into New Journalism.

It has been brought to my attention that it is sort of a good thing that most of the junk mail is on colored paper: you can often recognize that it is junk mail without having to take the time to read it.

I was tired but awake Wednesday morning, so I decided to try and take advantage of Caltech's beautiful campus. The lawns always look so good, and I seldom take the time to enjoy a long nap on one of them.

As I approached the lawns in front of Firestone, I realized why the lawns so often go unused: they are really nasty. That lawn in particular was marshy after being relentlessly watered all night. I moved to a different section of campus, but found the lawn to be no more hospitable. Here, the lawn had been fertilized with something that smelled like manure, but with a strongly chemical twist. There was no rural charm here, just a disgusting odor.

Jim's Journal



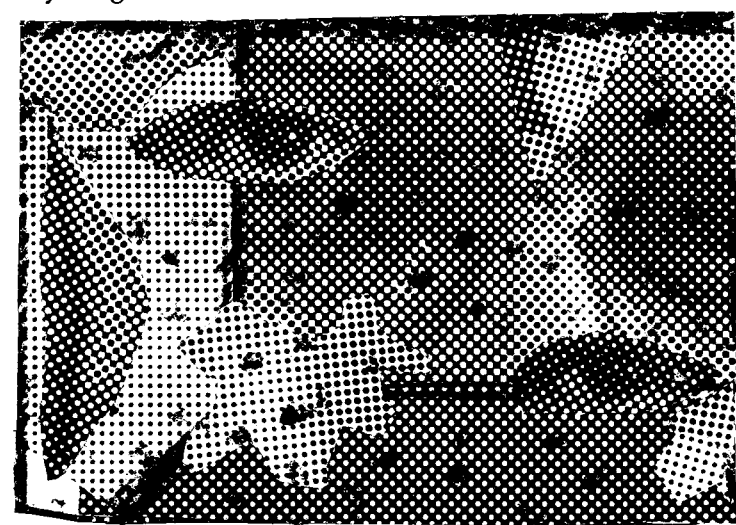
Ernest Tomlinson

Ernest Explains

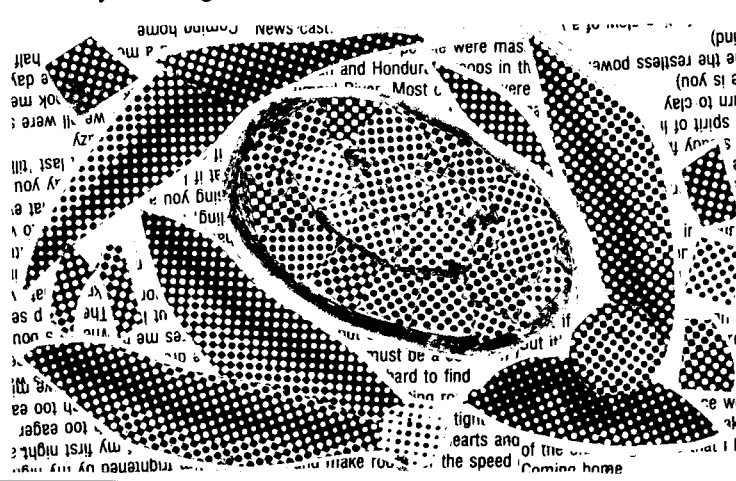
Dear Ernest,
Why are the Oscars so often referred to as "The Academy Awards"?
—Puzzled in Page

Dear Puzzled,
It is a little known fact that, when Prince Oscar IV of Liechtenstein left his homeland to make his name in the American film industry, he vowed to come back some day and found an Academy of fine arts, where the ideals of creativity, innovation, and quality entertainment would be taught to all Liechtensteinish youth. However, his untimely death on the set of "Nuclear Holocaust VIII: A New Breed" prevented him from ever fulfilling his dream. When Alfred Hitchcock hosted the first Oscar Awards, he called for his fellow film producers to pay respect, not only to Prince Oscar the man, but to his vision, and to refer to the ceremony as "The Academy Awards."

Dear Ernest,
The watchers sit in a small room. Soon, they will come. What do they bring?
—Virtual

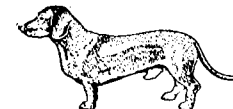


Dear Ernest,
My love gave me a cherry that had no stone. Does life without love have any meaning?
—Three



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Britain
A member of Britain's parliament, Stephen Milligan, was found dead on Monday. This death is a blow to the Tories.

Bosnia
The leader of Bosnia's Croats, Mate Boban, resigned on Tuesday in an effort to improve the Croats' position in peace talks.

On Saturday, a mortal shell exploded in an open air marketplace in Sarajevo. There are at least 68 dead and 200 injured.
The U.S. and Europe, in the first steps to lifting the siege on Sarajevo, have demanded that all artillery be moved from the capital.

Egypt
Israel and the Palestinian Liberation Organization continued their negotiation on Tuesday.

Haiti
The U.S. urges the exiled Presi-

World News



by Connie Chang

der with the announcement of his plans to have a 49 billion tax cut and a new welfare tax. Shortly thereafter, at the face of Socialist anger, he cancelled his plans.

Africa
The UN Security Council voted to reduce the size and powers of UN forces in the Horn of Africa nation.

Lebanon
Four Israeli soldiers were killed and five were injured by guerrillas in Lebanon.

Vietnam
Vietnam released the remains of twelve more Americans who were missing after the Vietnam War.

Costa Rica
Jose Maria Figueres appears to be the winner of the Costa Rican presidential elections.

dent Aristide to name a new prime minister in order to fill the potentially dangerous "political vacuum" in Haiti.

Japan
Prime Minister Morihiro Hosokawa will attend a summit meeting in Washington D.C. this Friday. The summit meeting will concentrate on U.S.-Japan trade issues, and the possibility of opening Japan's markets to foreign goods.
Prime Minister Hosokawa may have made a serious political blun-

continued from page 1

Morehouse

had a very informal atmosphere. He had never flown in an airplane before, and did not realize that he needed transportation to get from the airport to the Institute. He had to use public transportation to get from the airport to Pasadena. After a long plane flight, and arriving on the street in the middle of night, Hutchinson was a little disoriented. A young man saw the weary traveler, and offered help. Hutchinson,

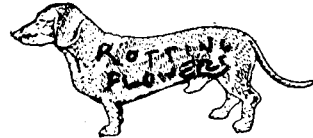
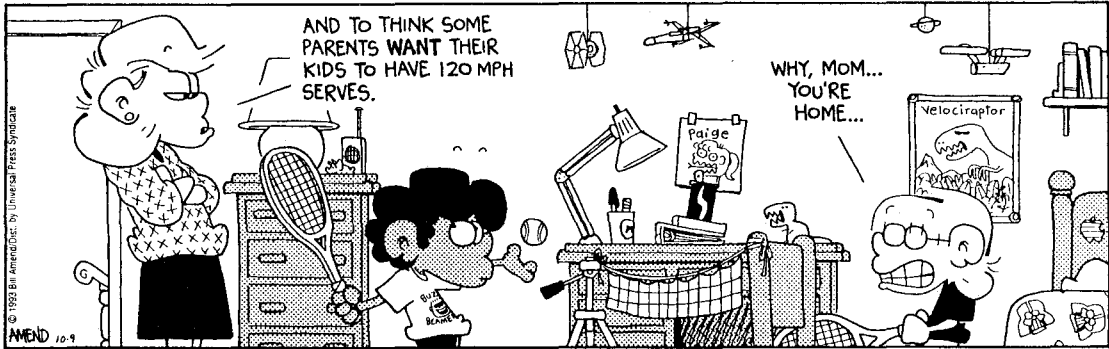
thinking he was a fellow graduate student, took the offer. He did not know what his housing assignment would be, but needed a place to stay for the moment. Even though it was very late, the young man spent his time helping Hutchinson get a room in the Athenaeum. He was surprised about the courtesy he received, but even more surprised to find out that the young man was a professor: Jim Bonner in Biology.

When he received his permanent housing assignment, Hutchinson was paired with a Black

roommate, Richard McGriff. It is questionable whether this happened by chance; there were few Black students at the Institute, and Hutchinson never stated any preferences beforehand. The two got along well nonetheless. McGriff was also from a Historically Black College—Florida Agricultural and Mechanical University (Florida A&M).

The two young Black men would soon encounter situations that were not as questionable. They would have to face obvious forms of racism and prejudice.

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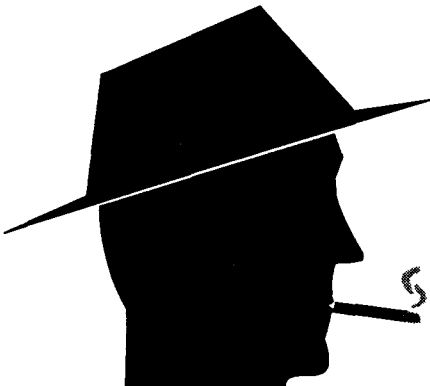
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CRIME AND INCIDENT BEAT

by Gypsy Achong

Crime Tip: There have been many suspicious people around campus. Please be aware and avoid dangerous situations by following your instincts.

1/31 11:00 P.M.-2/1 9:20 A.M. The trunk lock of a vehicle in the parking garage of 1001 E. Villa was tampered with. The gate of the garage is controlled by a remote.

2/4 1:00-11:00 A.M. A purse was stolen from outside of a room in Dabney. A T-shirt and backpack were also removed from the general area. \$27

2/6 9:30-10:30 P.M. A bike was removed from the bike rack in 1170 E. Del Mar. The bike was not locked because the building has secured entry. \$175

2/6 6:00-11:00 P.M. Another bike was stolen from 1170 E. Del Mar. This bike was also unlocked. \$240

2/6 6:00-10:00 P.M. Yet another bike was stolen from the same area as above. Once again the bike was not locked. \$120

2/4 5:00 P.M.-2/7 12:00 P.M. And two more were stolen from the same area as above. These were not locked either. \$370

2/7 10:30-11:10 A.M. Two extension cords were stolen from the courtyard of Beckman Institute. \$15

2/8 8:38 P.M. A man that has been seen several times in one of the Catalina rec. rooms, once nude, was arrested by security and handed over to the Pasadena police.

This week's total: \$947

continued from page 1

Cable

lectures, with few outside channels. Caltech's system would have many channels available because most of the cable service would be provided by an outside cable company. It is widely believed (although not confirmed) that no cable system wants to provide cable service to those living at Caltech because of the threat of cable piracy—that Techers would pay for one cable line and split it to provide cable for

hundreds. The proposed system would eliminate this problem, because "every possible location would have a jack," and there would be no reason to pirate the signal.
The final shape of the plan, and whether or not it proceeds at all, depends on what the students want in a cable system and on what can be feasibly installed. Once feasibility has been established, the details of the system will have to be worked out with the entire Caltech community. If you have any comments or concerns, Mr. Mannion is eager to hear them.



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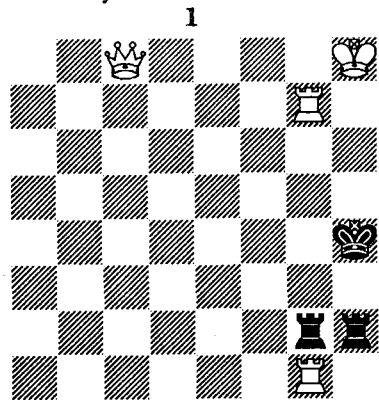
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Games & Puzzles: my four favorite orthodox chess problems

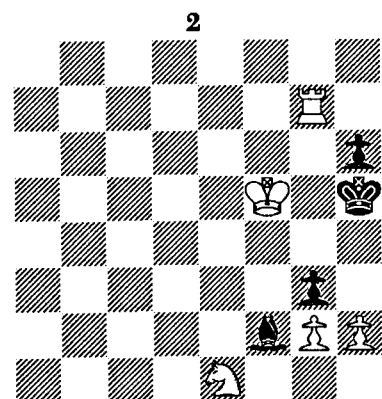
by Wei-Hwa Huang

Orthodox chess problems are problems which look like they occurred in actual games with actual pieces. They are the type of problems often seen in newspapers, with a caption like "White to mate in 6," meaning that it is White's move, and that you must find a sequence of moves so that no matter what Black does, White can win within six moves.

Here are my four favorite problems for you to solve:



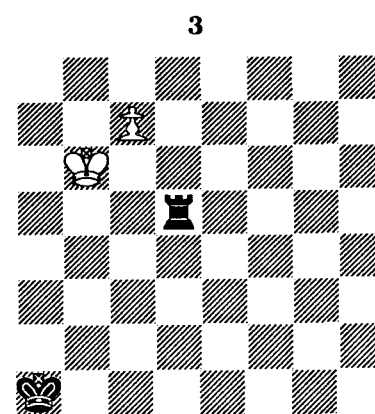
This problem was written by Eric M. Hassberg, and has the distinction of being an endgame position without pawns. In other words, the basic solution is independent of which way White is going. The problem was first published in 1945.



This problem was written by the great American puzzlist of the 19th century, Sam Loyd, who wrote this one when he was 18 years old, in 1859. His anecdote that goes with

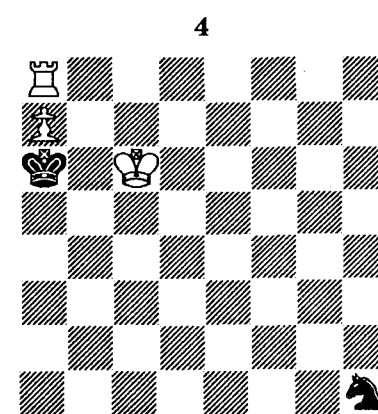
the problem went: In 1713, Charles XII of Sweden was battling the Turks, and he often spent his spare time on the battle field by playing chess. This position came up in a game where Charles was playing White against his general. At this point, Charles announced a mate in three, when suddenly a stray bullet flew in and shattered the White knight. Charles studied the position, and said that that was all right, he still had a mate in four. He was just about to make his move when another bullet shot off the White pawn on the rook file. Somewhat distraught, Charles pondered the position again and said no matter, there was now a mate in five, which he summarily executed.

The problem has been improved. A German chess expert came upon this problem and announced that if the first bullet had removed White's rook, Charles would still have a mate in six!



This is a well-known gem by Rev. Saavedra. It is perhaps the most elegant endgame position among chess problems and chess games alike. The position is for Black to move and White to win no matter what Black plays.

NOTE: It is common for beginning puzzlers to forget that Black can avoid mate through a draw, and does not have to win. Black will gladly sacrifice his rook to avoid loss.



I had intended to feature Sam Loyd's "Excelsior" here, one of the prettiest problems in the chess world, but I was unable to find the problem. Instead here is "Shinkman's Perimetric Marvel," often attributed to W. A. Shinkman, but never authenticated. White to mate in four.

Anything you'd like to see in this column? Send your suggestions, comments, and ideas to Wei-Hwa Huang, MSC 542, call x1540 and leave a message, or e-mail to whuang@cco.

There Are Five Weeks Between Midterms and Finals

The Firm
February 11

Sleepless in Seattle
February 18

The Russia House
February 25

The Fugitive
March 4

Top Gun
March 11

And Five

ASCIT

Movies to

make them

Smashing



ASCIT BOD Minutes February 1

by Karen Shih

Present: ASCIT BOD, Jennifer Trittshuh, Dave Derkits, Rachel Weathers, Barbara Weir, Steve Skovran, Mike Coward, Erick Co, Gavin Claypool.

New Business

- Dabney and Lloyd pick up multi-house social subsidies.
- ASCIT Movies first-term report: last term was plagued by low attendance, which is typical of every fall term. Things should be looking up for next term with some stellar films.
- CCSA picks up second term club money.
- Tech Editors' salaries for first five issues of second term, approved, (8-0-0).

Treasurer

- Rounding out the financial situation for the next BOD, motion to approve some minor revisions to the budget passes, (8-0-0). Job well done, Ewald.

Director of Academic Affairs

- Student-Faculty Conference—Everything is right on track. TFM will be providing dinner on the Olive Walk after the conference. Flora will be presenting to the Faculty Board at the February 14th Board Meeting.

- Keep the CLUE reviews coming, please!

Upper-class Director-at-Large

- Old van is for sale—more bids, please!
- Class Rings—getting them is no problem, but to order, we must have a good idea of how many, which class, who, what...

President

- Alumni Association wants to increase awareness on campus of the benefits of Alumni Membership. Some suggestions are: speak at Frosh Camp, weekly anecdotes in the Tech.



ADAM VILLANI: MEDIA GUY

by Adam Villani

Highway Patrolman

Two of the best movies I've seen this past year are *Like Water For Chocolate* and this new film, and they're both from Mexico. Highway Patrolman was directed by Alex Cox, the Englishman who brought you *Repo Man* and has apparently been living in Mexico the last few years. This movie tells the story of a rookie highway patrolman (Roberto Sosa) in rural Sinaloa, an idealist who tries to be morally upstanding, but through naïveté, bad luck, and general weakness ends up taking bribes, caring more for his junkie girlfriend than his wife, and losing his partner in a gunfight.

Roberto Sosa gives an outstanding performance as Pedro, portraying a character wrought with faults yet commanding in brief moments of strength. Cox never loses sight of his characters' humanity, and never makes fun of Pedro's inherent goodness. But this isn't just a character-based film, it also succeeds as an action movie, comedy, and detective film. Particularly gripping is the tragic sense of helplessness in the gunfight, which is compounded by the fact that many of the armed conflicts go completely unresolved.

See this film now—it's only at the Nuart in West L.A., and it'll only be playing for another week.

24th International Tournee of Animation

This collection of animated shorts, which might still be showing in Los Feliz, is an enjoyable mix of humor, horror, action, beauty, and inventive genius. Inevitably, watching a collection like this suffers from uneven tone and odd pacing while waiting through Czech credits in the middle of the picture. However, if you don't like one of the shorts, you'll surely like the next one.

I particularly enjoyed "The Little Wolf" from England, a charming tale of a little wolf who gets stuck on the moon and needs the help of his friends to get down. Vignettes of patrons in a late-night café make up "Words" from Czechoslovakia, a particularly clever film nominated for the Academy Award last year and ideal for Valentine's Day. The "Nightmare Before Christmas" animators play on childhood fears in a particularly macabre way in "The Sandman". Other highlights include the animated version of John Callahan's "I Think I Was an Alcoholic," Switzerland's sublime tribute to "Raging Bull", "The Square of Light", and Will Vinton's action-packed "Mr. Resistor".

Inconsistencies in Rolling Stone

One of the most aggravating things about *Rolling Stone* magazine is the way they state their opinions on music so dogmatically, then contradict themselves on a regular basis.

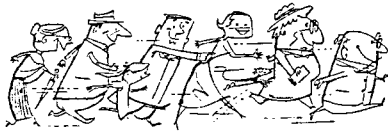
Here are some choice examples:

- In the *Rolling Stone Album Guide*, the section on the Beatles refers to "Help!" as "John's best songwriting yet," but gives the album a half-star lower rating than most of the previous Beatles albums.

- The October 19, 1989 issue gives Starship's "Love Among the Cannibals" a one-star rating and calls them "a poor man's Boston (or an even poorer man's Loverboy)." The *Album Guide* does not comment on the album, but gives it 3 stars.

- The May 31, 1990 issue hails the addition of guitarists Rick Vito and Billy Burnette as "the best thing to ever happen to Fleetwood Mac," while the *Album Guide* glumly states that Lindsay Buckingham's "L.A. cowboy replacements (Vito and Burnette) add little to the washed out Behind the Mask" album.

What on earth were they thinking in 1990? Not only was Lindsay Buckingham was the guiding genius behind Fleetwood Mac's best albums in the 70's, but he also had hair bigger than Freddy "Boom-Boom" Washington from "Welcome Back Kotter."



entertainment

The Piano lacks substance

by Connie-Lynne Villani

Warning: This review is full of spoilers. If you are incapable of figuring out the plot of a made for television movie and haven't yet seen *The Piano*, don't read this review.

The Piano's first twenty minutes are riveting and full of promise. Unfortunately, the unique characters do nothing original after they are introduced, and the interesting subplots are neither developed nor resolved.

The main storyline is as old and tired as it is predictable. Victorian woman (Holly Hunter) marries repressed and cruel man (Sam Neill) who doesn't understand her, then falls for interesting man (Harvey Keitel). The writer didn't waste any time figuring out an innovative way for Hunter and her lover to meet, however. No, she clearly spent her time watching old "Cheers" reruns: Hunter and Keitel hate each other at first, but once Keitel seduces Hunter, she falls for him. The rest of the plot is just as obvious.

Our writer's use of the "seduction" plot device is even more offensive because Keitel's so-called seduction of Hunter is closer de-

fined as forcible sex. The writer should be forced to write "Rape is not romantic" 2,000 times, or until she gets it through her thick skull. Neill gives Hunter's piano to Keitel, then forces Hunter give Keitel piano lessons. Keitel tells Hunter he will return the piano to her after a set number of lessons. He then begins offering to lower the number of lessons if Hunter will perform various other services for him: play in her underwear, lie with him naked, have sex with him and so on. Since access to music is clearly shown to be necessary to Hunter's sanity, she has little choice but to submit. Somehow we are supposed to believe that this causes her to love him.

Critics all over Hollywood are having fits over Hunter's sensitive portrayal of a mute woman. Hunter's acting is, in fact, excellent. However, the script once again fails. The "irrational behavior is acceptable because of a disability" formula went out of fashion as trite in the late '70s, but our writer brings it back with a vengeance—namely Hunter's attachment to her piano. Clearly, the writer means the piano to be a focus for Hunter's emotions. Rather than having the music that Hunter plays reflect these

feelings, however, we get the same boring noodlings throughout the movie. This "music" was commissioned for the film. The only plausible explanation for not sending it back and demanding something good must be that it needed to be simple to be learned by novice pianist Hunter. If Hunter isn't a beginner, she should be ashamed.

This film had many fascinating subplots and characters that should have been pursued: a child who tells outlandish lies, the conflict between Maori and Victorian values, the similarity of the Maoris' behavior and that of the colony women. Instead, we were given several formula plots rolled into one. I am shocked that this piece won Best Film at Cannes. I am even more surprised that Campion has been nominated for a DGA award. She failed in making the first and most important choice of a good director: pick a good script.

One and a half stars out of four.

Directed by Jane Campion
Starring: Holly Hunter, Sam Neill, and Harvey Keitel

Playing at The Rialto, (818) 799-9567, \$7, no cheap matinees or student discount.

HER LIPS WERE TALONS OF FIRE/HER SOUL BURNED WITHIN MINE, AND WITH EVERY TOUCH, I WAS CLEANSED OF ALL FEAR, BAPTISED BY HER INNOCENCE/WRITE FOR THE TECH/TRAPPED HERE IN THE MUD, WE ARE NOTHING—NO ONE—NOWHERE/WE ARE THE EARTH/WE ARE ALWAYS HUNGRY, ALWAYS WATCHING/WE ARE YOUR FEAR/OUR WEEKLY STAFF MEETING IS TODAY AT 12:15 IN THE COFFEEHOUSE/COME AND EAT PIZZA

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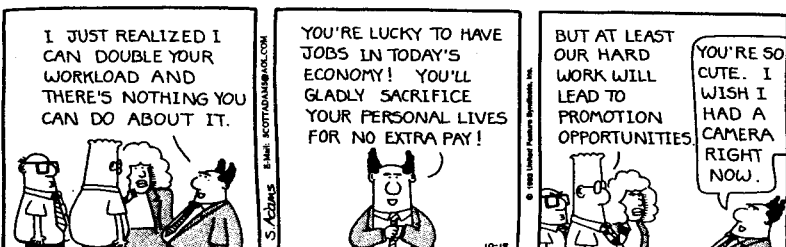
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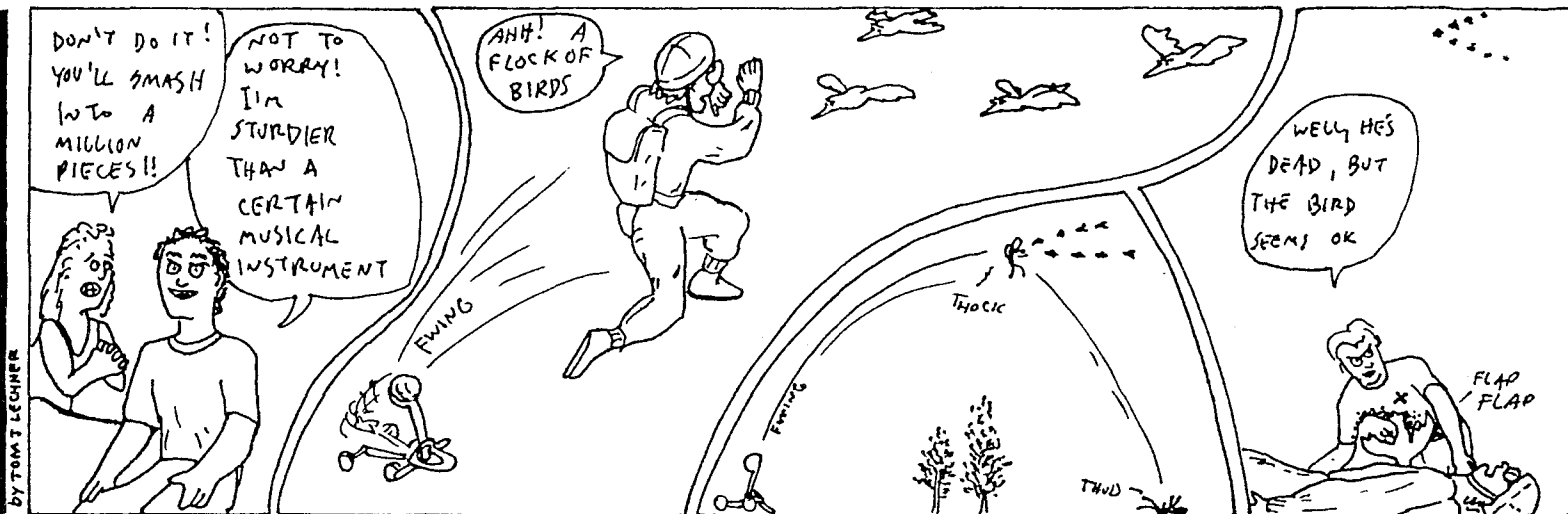
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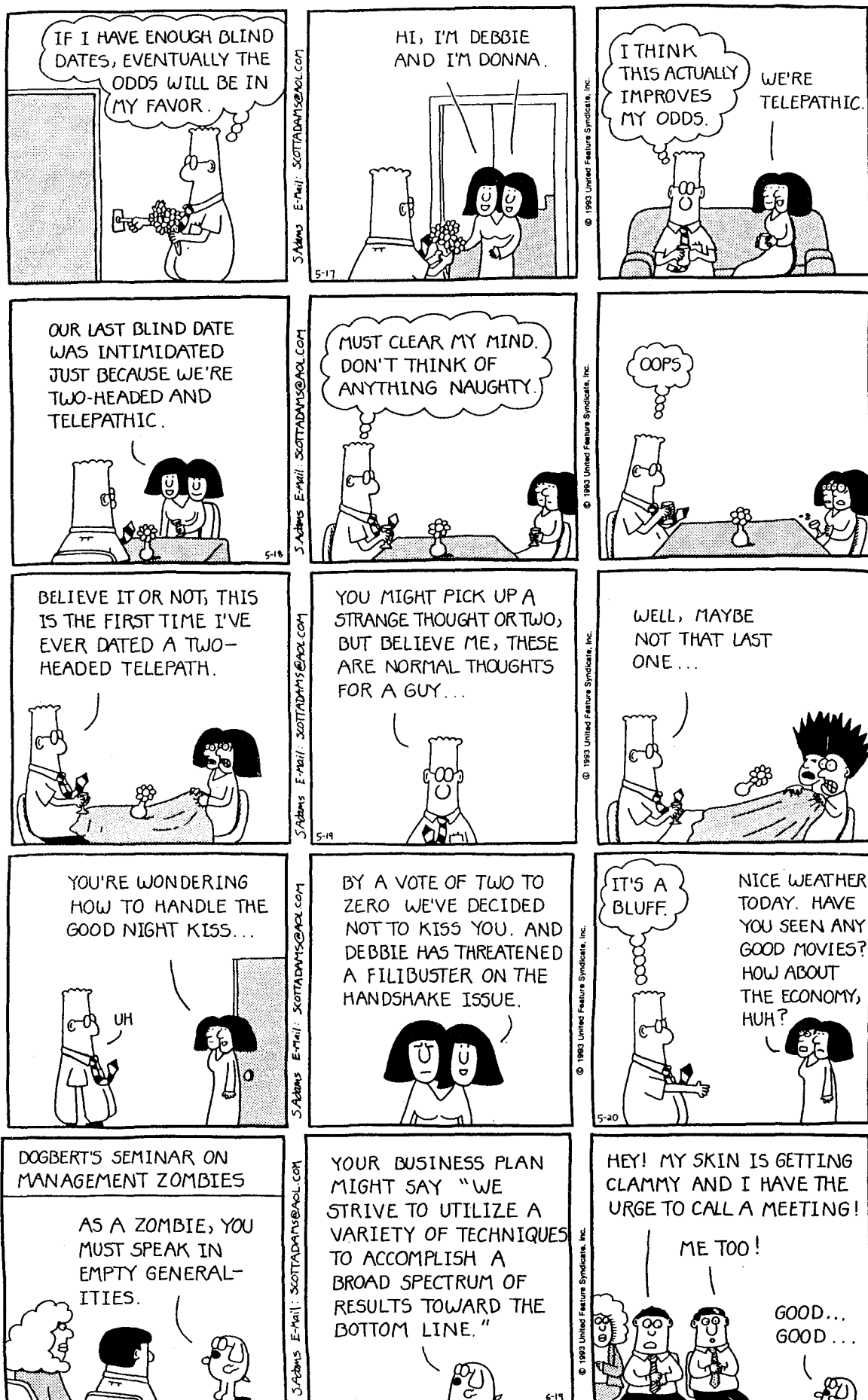
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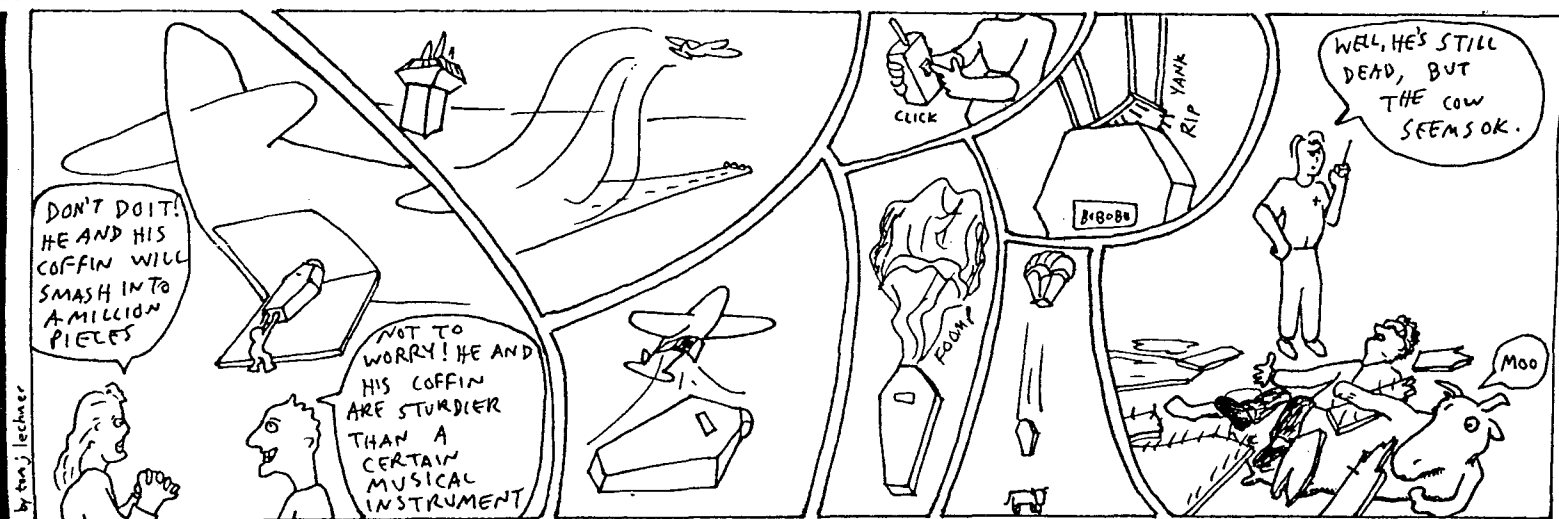
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THE POSTHUMOUS ADVENTURES OF BOB OBO PREMIER STUNT MAN



Bridge Without Sam

by Jeff Goldsmith

Attack! Destroy!

Playing in a regional, Flight-A pairs match where everyone has over 1000 masterpoints, I sit down as West against a pair that I do not recognize.

♠ K103	
♥ 632	
♦ KQ6432	
♣ 4	
♠ J762	N
♥ KQ5	W
♦ A985	E
♣ J10	S

NORTH	SOUTH
2♦	2NT
3♠	3NT
Pass	—

2♦ was a weak two in diamonds and 3♠ showed a spade feature. Since I expect declarer to be well-prepared for a heart lead, I choose to try to attack the entry to the long diamonds by leading a spade. Declarer plays low from dummy and wins partner's ♠8 with the 9. That turns out to have been a mistake, as we shall see. She continues with the ♦J, which I, of course, duck, partner following with the 10. Declarer is not very happy that the diamond held and thinks for a little while. (A thousand masterpoints? Really?) When she continues with a small spade towards dummy, I am ready to destroy the entry to the diamonds by hopping in with the Jack. She wins the King and plays a diamond off the table, but I win this and exit with a club, holding declarer to only eight tricks. The whole hand was:

♠ K103		
♥ 632		
♦ KQ6432		
♣ 4		
♠ J762	N	♠ 84
♥ KQ5	W	♥ J1084
♦ A985	E	♦ 107
♣ J10	S	♣ Q8732
♠ AQ95		
♥ A97		
♦ J		
♣ AK965		

Declarer should have won the first trick with a high spade, so that my entry-destroying play would not work. Then she would have made the contract.

The Caltech Bridge Club meets every Monday night at 7:15 in Winnett Lounge. Call Jeff Goldsmith at x2818 for details. Congratulations to Bo Yu for coming in first in the Pro-Am. "Bridge Without" Sam Dinkin (remember him?) came in second; Mitch Dunitz was the highest-ranking pro at third.

Side by Side by TACIT

Gary Olsen, Scott Van Essen, and Leslie Maxfield are among the TACIT veterans bringing the musical tribute *Side by Side by Sondheim* to Caltech later this month.

Though Sondheim's ability is now widely recognized, *Side by Side* remains a valuable showcase of his early music, much of it from musicals rarely performed today: *Follies*, *Company*, *Anyone Can Whistle*, and *Pacific Overtures*. The show includes such hits as "Send In the Clowns" and "Comedy Tonight," as well as almost unknown songs such as "I Remember" and "I Never Do Anything Twice."

Theater Arts at Caltech (TACIT) presents *Side by Side by Sondheim* in Ramo Auditorium. Performances will be February 18, 19, 25, and 26 at 8:00 P.M., and February 20 and 27 at 2:00 P.M. Reserved tickets are \$10. For information, call x4652.



Pianist Russ Litchfield, Gary Olsen, Scott Van Essen, Jenny Chu, and Chris Springfield are among those bringing *Side by Side by Sondheim* to the Caltech stage.

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The Financial Aid Office (515 S. Wilson, Second floor), Career Center, Dean of Student's Office, and Office of International Programs have a two page tax guide available. Feel free to stop by any of these offices and get a copy.

Volunteer Income Tax Assistance (VITA) is available in Pasadena February 22 - April 15* at the following locations:

<u>CENTRAL LIBRARY</u> 285 East Walnut St Tuesdays and Thursdays 6:30pm - 9pm Beginning 2/22/94	<u>SANTA CATALINA</u> 999 E. Washington Blvd. Saturdays 10am - 12pm Beginning 2/26/94	<u>JACKIE ROBINSON CENTER</u> 1020 N. Fair Oaks Tuesdays 9am - 12pm Beginning 2/22/94 Alternating Saturdays 9am - 12pm Beginning 3/5/94
<u>LA PINTORESCA</u> 1355 N. Raymond St Saturdays 12pm - 3 pm Beginning 2/26/94	<u>VILLA PARKE CENTER</u> 363 East Villa Thursdays 1 - 3pm Beginning 2/24/94 Alternating Saturdays 9am - 12pm Beginning 2/26/94	

*Dates subject to change

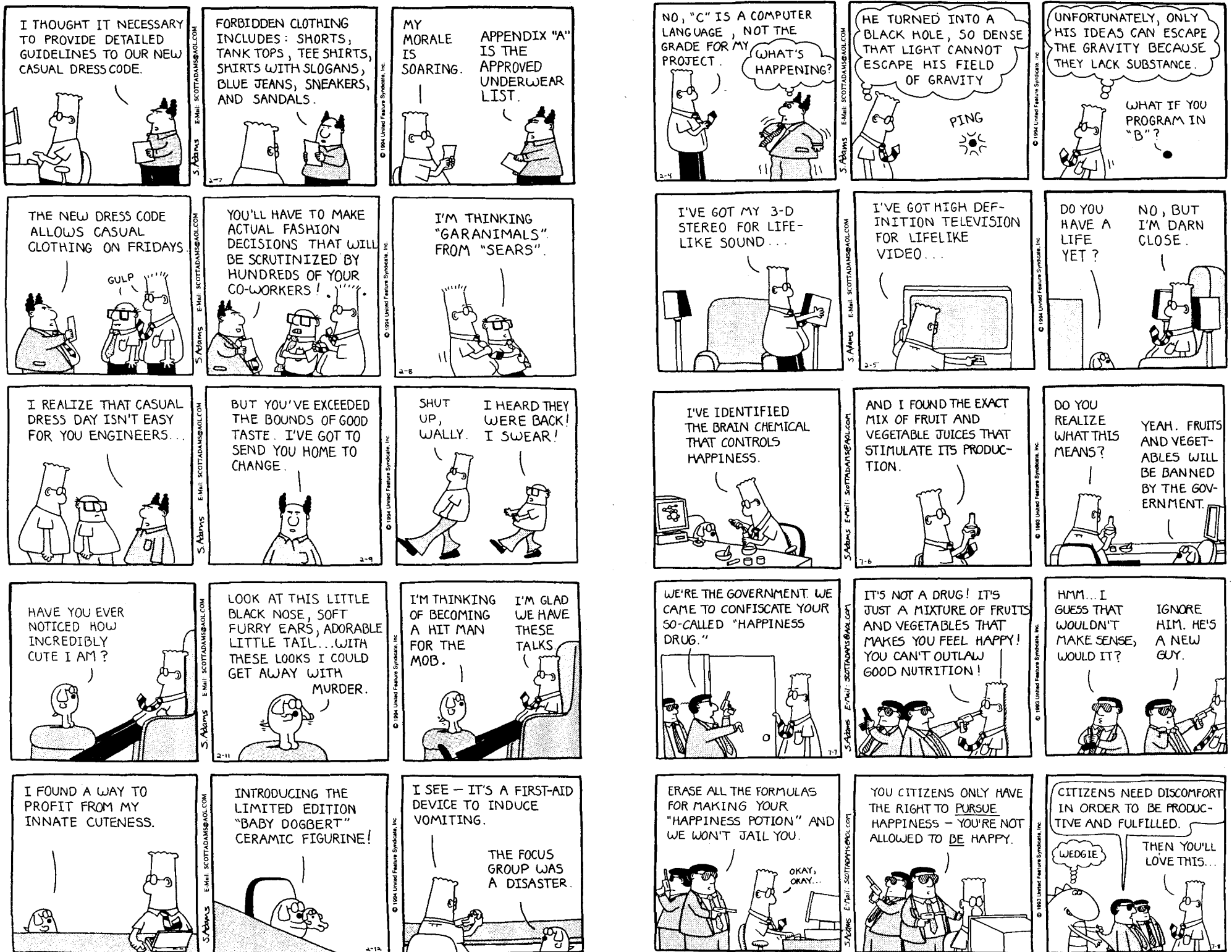
Note: Tax volunteers are sometimes unavailable as scheduled

Desserts with the MOSH

Wednesday February 16th

Steele House 355 S. Holliston

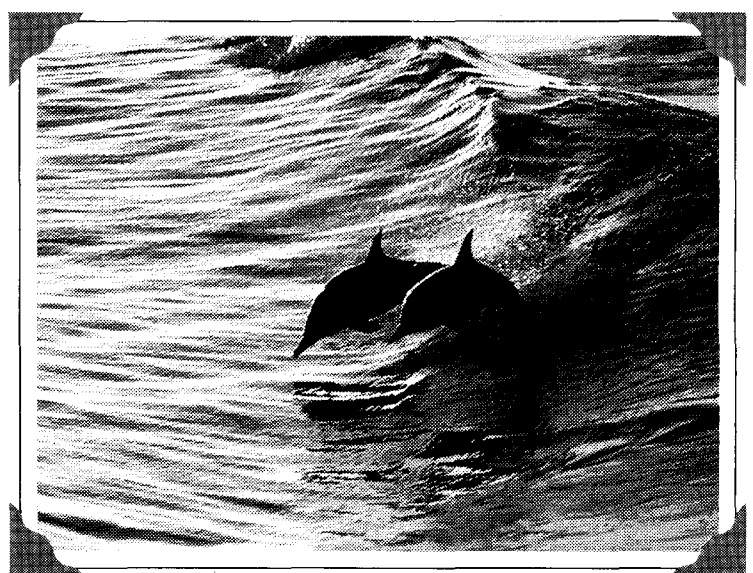
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ASCIT BOD Minutes February 8

by Karen Shih

Present: ASCIT BOD (minus Flora), Jennifer Trittschuh, Dave Derkits, Chris Marsh, Penny Muir, Penny Sherman, Colin Humphreys, Gavin Claypool.

New Business

- Fleming picks up \$200 multi-house social and \$100 non-alcoholic subsidies; Tang Soo Do picks up third term money.
- Ruddock's OPI (Own Private I——) needs money; it's this Saturday.

Most other Houses (except Page) have already picked up the MH subsidy and so can't help. Discussion ensues over the scale of OPI and whether it should be sponsored by ASCIT and to what extent. Motion to approve an \$800 sponsorship in addition to Ruddock's MH money passes, (4-3-1; Moeen broke the tie.).

• Elections are over; no major problems this time (yeah!). However, some concern is expressed over the apparent disadvantages of write-in candidates who are left out of run-off elections because they cannot obtain further preferential votes.

Treasurer

- The Provost's Office bought copies of the CLUE: we're in the money.

Director of Social Activities

- Installations will be held March 1st at Steele House. Invitations will be sent to the incoming BOD soon.

IHC Chair

- Appointments to student-faculty committees are complete.
- Breakfast with Dr. Everhart: some discussion ensues over the apparent ballooning of the student affairs staff.

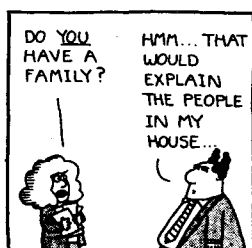
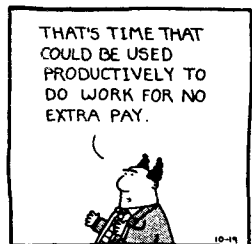
BOC Chair

- Sign-ups for representatives-at-large will go up soon outside of SAC 64 and possibly, the MOSH/DRL Office.

President

- The ASCIT Office Answering Machine has arrived—x6247.

Quote of the Meeting:
"One Final Blaze of Glory!"



IHC minutes February 7

by Craig Smith

Present: Asif Hassan, James Honaker (Bl), John White (Fl), Mike DeBar (Ll), Jim Murdoch (Da), Dennis Ugolini (Ru), Derek Surka (Pa), Lance Larsh.

Meeting Begins: 7:35 P.M. in SAC 64.

Minutes: Asif reprimands me for not doing my job.

Fraternity: Lance is here to talk about the fraternity information he gave to us a while back. He and some other students have been dissatisfied with their college experience and seek to augment the experiences of others by joining

this national organization. Dennis got some sort of response from the members of Ruddock, including a nasty letter from Hans Hornstein. Mostly faced with apathy. Three people in Page expressed an interest in joining.

It is not intended to be a substitute for the Houses, they are looking for people with similar interests. Look for more information from Lance Larsh.

Discobolus: Fleming beat Lloyd in volleyball; Dabney has challenged; next to challenge is Ruddock. Current order is: Da Ru Bl Pa Ri Ll (Fleming has the trophy).

ASCIT elections conclude

by Ben McCall

Congratulations to the ASCIT officers elected by majority vote in Monday's Officers Election. The officers-elect are:

- ASCIT Secretary: David R. Derkits
- Treasurer: Ewald Hueffmeier, Jr.
- IHC Chairman: Eric Slayback
- Director for Academic Affairs: Flora Ho
- Director for Social Activities: Chris Marsh
- Upperclass Director-at-Large: Penny Sherman
- Freshman Director-at-Large: Gina Serraiocco

Athletic Manager: Laura Verhoff
BOC Secretary: Zackary Berger

These individuals, along with President-Elect Angie Bealko, Vice-President/BOC Chairman-Elect Chris Bryant, and the Tech Editors-Elect, will take office in early March.

Numerical results from both elections will be posted in the Houses on Monday and will appear in next week's Tech. Questions or comments may be directed to David Derkits, the Election Chairman, at dderkits@cco, Page 130, or x1402.

ΔΙΣΒΑΝΔ ΑΣΧΙΤ!

continued from page 1

Conference

little in the past three years.

ii. "Ombudspersons [should] be responsible for preparation of CLUE reports." Random assignment of course evaluations still prevails.

iii. "The H&SS Division [should] reexamine its core offerings . . . [and is] strongly urged to re-evaluate the current structure of frosh humanities and to expand the breadth of H&SS courses." Whether or not such re-examination has occurred, its manifestations have been invisible.

iv. "[A] class in technical writing [should] be created." No such class exists.

v. "[A] course should be instituted to teach students the technical aspects of being a scientist, covering such issues as proposal writing, teaching, and ethics." No such course in writing or teaching exists. There are, however, courses in ethics.

vi. "Ch 1 [should] be restructured to provide a more consistent introduction to chemistry." Complaints persist about the irregular handling of Ch 1.

vii. "[T]he spring break [should] be returned to its previous length of two weeks from the current length of just over a week." This year's spring break lasts for just over a week.

The Quality of Life Committee presented a number of proposals, a selection of which follows:

i. "Departments should consider having departmental social membership . . . The Institute should consider holding a "junior camp" where upperclassman could join faculty in a retreat-like atmosphere . . ." Neither of these proposals has been acted upon.

ii. "Administrative policies

should better reflect the importance of outlets for social tensions such as Interhouse." Repeated appeals on this subject to the Administration by ASCIT and the IHC have been refused.

iii. Proposals dealing with C House as it was already envisioned before the '91 conference. What is now called Avery House is scheduled for completion in 1996.

iv. "[U]ndergraduates [should] be provided with accessible and private phone service in their rooms and alleys." Such phone service has (for a fee) recently become accessible.

v. An ATM on campus. Recurrent rumors to this effect are as yet unsubstantiated.

vi. "The IHC should make a policy on hazing and initiations." The policy on hazing and initiations which eventually resulted this past year was worked out not by the IHC but by the Director of Residence Life in consultation with students.

vii. Proposals dealing with Security. Escort service has been improved. 911 dialing, however, is now impossible from most campus extensions.

Most concrete proposals arrived at by the 1991 Conference have not been fulfilled. That the problems touched upon in that conference remain present and familiar should be expected; that few of its proposals have yet been considered is discouraging. The present intangibility of the '91 Conference's results should raise a certain skepticism in the minds of the participants in this year's Conference. If, moreover, the good ideas of the '91 Conference are to be reiterated this year with more than resignation, administrators must remember that the recommendations of students and faculty are meant to be considered seriously, not ignored.

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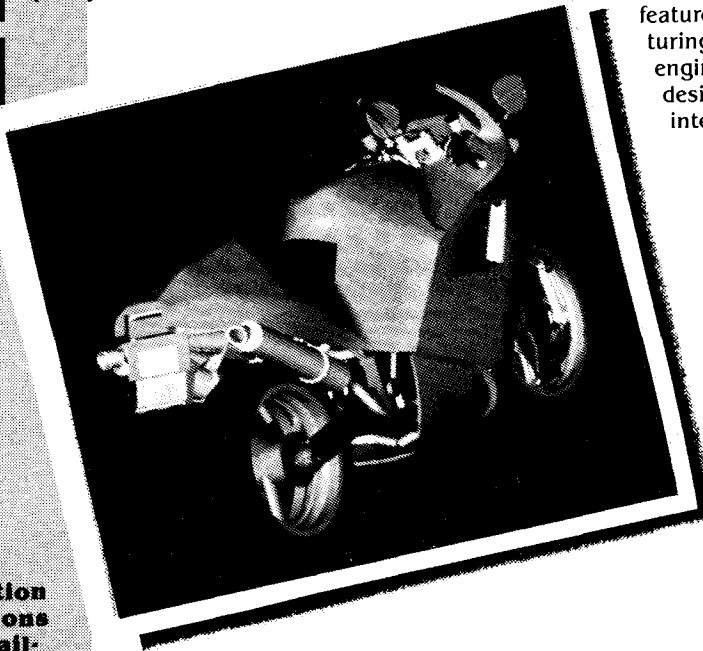


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sports

Beavers hopeful in spite of bleak season

by Bryce H. Elliott

Saturday night found the Beaver basketball team on the road playing the West Region number 2 ranked Pomona-Pitzer Sagehens, who came into the game tied for the SCIAC lead with Cal Lutheran at 6-1. The Beavers started out very flat, and the Sagehens built a double-digit lead early. They extended their lead throughout the first half, and led 52-23 at the break. Caltech kept the second half fairly even to make the final 80-49. High man for the Beavers was Josh "MJ" Moats, who finished with 23 points

to go with eight rebounds. It was John "Pimp Daddy" Parks who looked like Windex this game, though, cleaning the glass fourteen times.

The athletic University of La Verne Leopards visited the Braun Center on Wednesday, and found a Beaver squad eager to defend their home court. The game was tied 29-29 with seven minutes left to play in the first stanza when the Beavers grew tired, and let the Leopards put on a 25-4 run to finish the half. The Caltech team came out quite enthusiastically for the second half, but the enthusi-

asm was soon put to rest by a quick full-court press. La Verne continued to extend their lead and made the final 94-51. "Sneaky" Steve Tsai put in 18 for the Beavers, while teammate George Papa returned to form, turning in a fourteen point, eleven rebound performance.

The coming Saturday night will again find the Beavers in the friendly Braun Center atmosphere, as they take on All-American Blair Slattery and the Occidental Tigers. Wednesday night, Caltech will take their longest road trip of the year to battle the Redlands Bulldogs.



MEDIA GUY SPECIAL

Judgement Day: Media Guy's 1993 Movie Armageddon, Part 1

by Adam Villani

The Oscar nominations came out Wednesday, and they're about what I expected. I must confess that I can't really make a fully informed commentary on the Oscars, since I haven't seen many of the nominated films, but in my never-ending quest for quality entertainment journalism, I'll try to see as many nominated films as possible before the awards. Because I'm a Caltech undergrad, I only saw 19 films released in 1993. Here's my list of all the movies I saw that were first

released in American theatres in 1993, along with some brief commentary. Note that movies marked with a † were seen on video only.

Movies that didn't make my top ten list, in no particular order:

Falling Down—This was by far the absolute worst picture of the year. Almost everything about this movie was bad, even if you don't consider the sociological implications of this "White Guy's Nightmare/Pipe Dream" film. The plot made no sense (hello... continuity?), the pacing was not unlike a slug, and the only remotely likable characters were the two lead cops. All too often, bad movies like this are disgustingly self-important. †

Dragon: The Bruce Lee Story—This immensely enjoyable film easily would easily make the top of my "second-best list". Despite the fact that the movie ignored several important and touchy elements of Lee's life, it succeeded in making me feel great about Bruce, and also was reasonably intelligent, especially for an action film.

Benny and Joon—I was quite disappointed in this movie. I had expected something really sharp and quirky, but instead this movie never really took off. It wasn't bad, it just wasn't all that incredible.

Army of Darkness—This movie was pretty entertaining, but was nowhere near as over-the-top as its predecessor, *Evil Dead II*. Fun special effects and cheesy jokes. †

Demolition Man—This movie was really dumb, but it least it knew it. This movie was a quintessential Hollywood action film: an entertaining no-brainer.

National Lampoon's Loaded Weapon 1—Funny in parts, but Zucker, Abrahams and Zucker do this kind of comedy better.

Hot Shots! Part Deux—Funny in parts, but Zucker, Abrahams, and Zucker used to do this kind of comedy better.

Last Action Hero—I feel bad giving this movie a thumbs down because it really did have some good moments. Unfortunately, this film was thrown together like a bad casserole. Many of the jokes flopped.

Searching For Bobby Fischer—I got the feeling while watching this that I was seeing the best CBS After School Special ever made. The acting, direction, and cinematography were all good, but the script just seemed too contrived in parts.

Media Guy's 1993 Top Ten

10. **Groundhog Day**—Though many dismissed this as just another Bill Murray movie, I felt that the script was extremely good. It was original, clever, and heart-warming without being sickening.
9. **The Fugitive**—One of the most thrilling big-budget blockbusters of all time. Excellent direction, editing, and cinematography.
8. **The Nightmare Before Christmas**—Truly amazing animation, continued next page

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continued from previous page
great attention to detail, and a fun twisted fairy tale story.

7. *Sex and Zen*—One of the most astonishing films I've ever seen. When I wasn't busting a gut laughing, I was staring in shock at the sexual exploits on screen that made Henry and June look tame. How many other films feature the hero getting an "appendage" transplant from a horse? Uproariously funny.

6. *Schindler's List*—One of the most emotionally moving films of all time, this film with good points too numerous to mention fails to actually educate people about the Holocaust and instead merely raises their emotions, albeit quite successfully.

5. *Farewell My Concubine*—This film is exquisitely crafted, beautifully photographed, and is emotionally moving. The actors give great performances, but the plot plods along in some places.

4. *Man Bites Dog*—This Belgian film is about as dark as comedies get. The movie is made to look like a documentary following a serial killer, wherein the documentary filmmakers become progressively more involved in the killer's murders. An exceedingly graphic film, it examined both society's fascination with violence and the motives of the media.

3. *The Wedding Banquet*—This movie starts off as a lighthearted comedy but becomes increasingly serious as the story of a gay Taiwanese-American man who gets married to satisfy his parents. The performances are excellent, and the script is very funny despite its somber subject matter.

2. *What's Eating Gilbert Grape*—Why haven't more people seen this film? Director Lasse Hallstrom deftly handles this touching tale of one young man's (Johnny Depp) struggle to free his spirit from the stifling binds he has to his family and neighbors. The photography is breathtaking, and

the performances are gripping. Leonardo DiCaprio certainly deserves the Oscar nomination he received for his supporting role as Depp's retarded younger brother.

1. *Like Water For Chocolate*—My Best Picture of 1993 is Alfonso Arau's magical tale of forbidden love. This film is so lush and rich with passion that watching it is like consuming a sumptuous 7-course feast. Absolutely enjoyable.

Well, there you have it. I noticed that four out of my top five films were in foreign languages. This was not intentional, but I did intentionally seek out foreign and independent films to see this year. There are many fine American movies, but I get annoyed at the crass commercialism so rampant in them.

Glaring omissions from the Academy Award nominations in-

clude *Farewell My Concubine* for Costumes, Makeup, and Supporting Actress (Gong Li); Screenplay nods for *What's Eating Gilbert Grape*, *The Wedding Banquet*, and *Groundhog Day*; and Michael Nyman (*The Piano*) for Best Original Score. Oh well. I'd like to see *Much Ado About Nothing*, *The Joy Luck Club*, and *Menace II Society* to find out if they deserved nominations or if they got shafted.


In case you're wondering, due to the Academy's bizarre eligibility rules, *Like Water For Chocolate* didn't qualify for Best Foreign Film. I believe it was submitted last year or something like that.



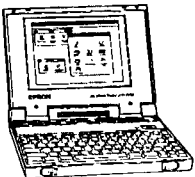
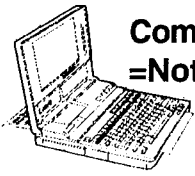

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* Note: asterisks denote new announcements.

Notices

SURF's Up!—SURF applications are now available in the SURF office 1-37 Beckman Institute. There is also a list of projects and research sponsors for students who need help identifying a research sponsor. If you have questions about SURF, call the SURF office at x2885 or stop by. SURF proposals are due March 1.

Events & Services

African Movies at Caltech—International Student Programs and Open Line invite you to see two distinguished African movies—*Yeelen* (Brightness) and *Lumumba: La Mort du Prophete* (Lumumba: Death of a Prophet). The show will be on Thursday, February 17, 1994, at Beckman Institute Auditorium, from 7 to 10 P.M. Admission is free and refreshments will be served during intermission. For more information stop by ISP or call x6330.

* **Los Angeles Lakers vs. San Antonio Spurs**—International Student Programs invites you to see an NBA game on February 25 at the Western Forum, in Inglewood. Free tickets are available to international students only. To sign up, stop by ISP or call x6330.

Gay/Lesbian/Bisexual support group meets the first and third Tuesdays of each month at 7:30 P.M. in the Health Center Lounge. This confidential meeting is open to all Caltech community members looking for a supportive context in which to address questions and concerns about sexual orientation. Refreshments are served. For more information, call 395-8331.

Caltech Alpine Club "Sit and Chat"—Bring a sack lunch to the patio outside the north end of Keck Laboratory on Wednesdays from 12 to 1. Talk about mountains, the weather, and outings, past and future.

Friday Prayer—Prayers organized by Caltech Muslim Students are held in the Caltech Y lounge at 12:15 P.M. every Friday.

Mass—Catholic campus life includes Mass on Sunday at 10 A.M. (Winnett Lounge) and on Thursday at 8:15 A.M. (Y Lounge), Rosary at 11:15 A.M. daily in Winnett 1A, and various spiritual development groups and study circles. For more information contact Fr. Brian Wilson at x6212.

Bible Study and Discussion—Every Wednesday at noon in the Y lounge. Bring your own lunch. For more information call Mike Gerfen at x4886.

OpenLine—A group made up of students, staff, and faculty from many different departments on campus, and from a variety of ethnic and cultural backgrounds. We are both an action group and a discussion group. Our agenda is very flexible and is solely determined by what people in the group suggest. Drop by any meeting and say hello! We meet from noon to 1 P.M. on Tuesdays in the Y Lounge (2nd floor Winnett, feel free to bring your lunch!). Remember, we *always* welcome new people, at any time of the year. Hope to see sometime! For more information contact Gary Mines at x6542 (gam@xhmeia.caltech.edu).

Caltech SEDS (Students for the Exploration and Development of Space) meets every Sunday evening at 8 P.M. in 107 Downs to discuss and plan for its \$4 million satellite proposal. Help is needed from undergraduate and graduate students, and advising is needed from research fellows, faculty and staff. Experience with space hardware or with the specific experimental subsystems (gamma-ray astrophysics and atmospheric chemistry) is not necessary. All members of the Caltech and JPL community welcome. Contact Ben McCall at

x2902 or bjmcall@cco.

Baby Furniture Pool—The Caltech Service League loans out baby furniture to students and postdocs on Wednesday at 324 S. Chester from 10 to 11 A.M. For more information call 952-1631.

Israeli Folk Dancing—Sundays in Winnett lounge. Beginning instruction starts at 7:30 P.M., intermediate at 8:00 and open dancing goes on from 8:30 to 10:30. For information call Nancy Macmillan at 795-3655. Admission is \$2.00.

Scottish Country Dancing—On Wednesdays in Dabney Lounge from 8 until 10 P.M. Beginners are welcome and no partners are needed. For more information call David Hills at 354-8741.

Music with James Boyk—Pianist James Boyk gives a performance each Wednesday from 4:30 to 6 P.M. in Dabney Lounge. The performance is open to the public and free of charge. Feel free to come late or just skulk. For more information call x6353.

Open House—The office of International Student Programs (ISP) would like to invite international students, scholars, and the Caltech community to coffee, tea, and conversation every Wednesday from 4-6 P.M. Take a break and relax with friends at ISP (Lloyd House on the Olive Walk).

Lectures & Seminars

"On the Communication and Understanding of Mathematics"—The Annual Leonidas Alaoglu Memorial Lecture will be held on Tuesday, February 22, 1994, 4:15 P.M. in room 151 Sloan. Speaker: William P. Thurston, Mathematical Sciences Research Institute and University of California, Berkeley. There is no charge for the lecture. Tea is served at 3:30, room 251 Sloan.

The Caltech/MIT Enterprise Forum is sponsoring a case presentation and panel discussion titled: **"Assembling All The Elements—The Business Challenge Of Multimedia Technology"** on Tuesday, February 15, 1994 from 7:00 P.M.-9:00 P.M. on campus at Caltech. \$20 fee (fee will be waived for Caltech students). To preregister or for additional information, contact: Eleanor Martinez at x3916 (or e-mail huffduff@cco.caltech.edu.)

"More Minorities and Women in Science—Caltech's Responsibility!"—Open Line sponsors its 2nd annual forum with a panel from the community and our campus Winnett Center, noon-1:30 P.M. Thursday, February 24, 1994.—Is Caltech educating enough minorities and women?—Why are they not applying in greater numbers?—Are we responsible for increasing the pool of qualified candidates?—Should we help more with secondary education in science?—Primary education?—What diversity in our faculty and student body are funding agencies beginning to require?—Are we behind other colleges? These and other questions will be discussed by panelists and audience. For more info call Gary Mines x6542 or Pam Croomes x4723.

* **Tax Seminar for International Students and Scholars**—Presented by International Student Programs on Sunday, February 27, from 10 A.M. to 1 P.M. in Baxter Lecture Hall. Please bring all your tax-related documents, including W-2 forms. Tax forms will be provided. A limited number of individual and group consultations will be available by appointment only. For more information stop by ISP or call x6330.

Events and Notices

Scholarships, Internships, & Competitions

The Indiana University Center is seeking applicants for its **Jane Addams Fellowships in Philanthropy Program**. The program awards each fellow a \$15,000 stipend, an internship with and Indianapolis nonprofit organization, and 12 credits toward a graduate degree. The application deadline is February 15, 1994. Open to recent bachelor degree graduates and graduating seniors. Students are selected on the basis of demonstrated leadership potential, special interest in community service and the nonprofit sector, and academic stability. The program is not intended for students who are already committed to a program of graduate study. For application materials interested candidates should contact the Indiana University Center on Philanthropy, 550 West North Street, Suite 301, Indianapolis, IN 46202, (317) 274-4200.

The **Charles G. Koch Charitable Foundation** invites students to apply for its **Summer Fellow Program** in market-based public policy. The ten-week program, running from June 11 through August 20, will bring together 30 students from around the world to study market-based solutions to public policy problems and effective methods for implementing those solutions. Through research and writing projects, mentoring by policy professionals, work with experienced policy analysts, readings, and seminars, Fellows will learn about the issues, institutions, and skills of professional policy analysts. Fellowships include round-trip airfare to Washington, furnished summer housing, seminar room and board, and a \$1500 stipend. Students interested in applying market ideas to society's most pressing economic and social problems should contact the Foundation immediately for a brochure and application. Deadline for application is March 1. To request a brochure or to recommend qualified students, write Summer Fellow Program, Charles G. Koch Charitable Foundation, 1401 I Street, NW, Suite 300, Washington, DC 20005; call (202) 842-4616; or fax (202) 842-4667.

Political Internship—The Beckman Internship will be available for the summer of 1994. The internship, supported by friends of Arnold Beckman, will pay a stipend of \$3600. It allows a selected intern to spend the summer working in the office of a politician and to see the inside process of government. The intern is expected to make arrangements with the appropriate political persons. It is open to any undergraduate who intends to be a Caltech student next year. If interested, submit a brief proposal describing where and how you would use the stipend, to the Deans' Office, 102 Parsons-Gates, by Monday, March 7, 1994.

Contact Lauren Stolper, Fellowship Advisor, Lloyd House, x2150 for information on the following fellowships and programs:

Undergrads, Study Abroad for Free! The National Security Education Program allows Freshmen through Seniors to apply for special NSEP Undergraduate Scholarships for study abroad. Students may study anywhere except Canada and Western Europe. Students do not need to speak the language of the country they wish to study in as the main focus of the scholarship is to help undergrads learn languages and learn about cultures that are not typically taught at colleges in U.S. Applicants must be U.S. citizens and may

study for a summer, term or year. Applications must be in Washington, D.C. by February 18; if you are interested move quickly to obtain an application from: Lauren Stolper, Fellowship Advisor, Lloyd House, x2150, e-mail Lauren_Stolper@starbase1.caltech.edu.

Study in Greece at the graduate or post-doctoral level. The Greek government provides scholarships to non-Greek nationals or those of Greek descent who were born outside of Greece and reside outside of Greece for postdoctoral or graduate work in Greece.

Women Grad Students may apply for an award of \$3000 given by L.A. Soroptimist International. Women in any field may apply. Applicants must be U.S. citizens and residents of California. The application deadline is March 1.

Traveling to Europe? Then stop by the Fellowship Office in Lloyd House and pick up a free copy of *Europe Through the Back Door*.

* **Attention Graduate Students**—Graduate students with U.S. citizenship (permanent residents are not eligible) who need to do field work or research abroad in a country other than Canada or Western Europe may be interested in obtaining funding from a new program: the National Security Education Program Graduate Fellowships. You will have to combine your research or coursework with formal coursework in the language of the country. (You need not have prior language training in this language.) For example, a physicist who wanted to do research in an Eastern European country, a biologist who wanted to do field work in South America or Mexico, or a geologist doing field work in Africa could benefit from this program. If you'd like more information contact Lauren Stolper at x2150 or e-mail Lauren_Stolper@starbase1.caltech.edu. Be sure to include you mail code on campus and phone in any communication. The deadline is March 1, so please contact me by next Tuesday if you are interested.

The Financial Aid Office has applications and/or information for the following and additional scholarships. All qualified students are encouraged to apply. Our office is located at 515 S. Wilson, second floor.

* **The John Gayles Educational Trust** is offering financial assistance to Canadian and American citizens. Selected students will receive up to \$2500. A minimum GPA of 2.7 is required. Deadlines range from April to November. For an application, send a SASE (#10 envelope) to: The John Gayles Education Fund, Attn: R. James Cogle, Administrator, P.O. Box 4808, 712 Riverside Drive, Fredericton, New Brunswick, Canada E3B 5G4.

* **The American Society of Mechanical Engineers** is offering a number of scholarships to students enrolled in the mechanical engineering program. Some scholarships require the student

be an ASME student member and some require U.S. citizenship. Awards range from \$1,500 to \$5,000. Demonstrated financial need may be necessary. Deadline is April 15.

The **American Society of Naval Engineers** is sponsoring a \$2,000 scholarship for the 1994-95 academic year. The candidate must be a U.S. Citizen, **demonstrate a genuine interest in a career in naval engineering**, and be applying for support for the last year of a full time co-op program or one year of graduate study leading to a designated degree in an accredited college or university. Applications and supporting must be received by the association by **February 15, 1994**.

The **Society of Manufacturing Engineers** has four different scholarship opportunities for a full-time manufacturing engineering or engineering technology major who has completed 30 college credit hours. The application deadline is **March 1, 1994**.

The **Marin Education Fund** is announcing the opening of their 1994-95 grant application process. To qualify for a grant, a student must be a Marin County resident, have low to moderate income, and be enrolled at least half-time in an approved undergraduate degree. Applications are available by calling the Marin Education fund at (415) 459-4240. Applications must be postmarked by **March 2, 1994**.

* **The Ebell of Los Angeles** is announcing the competition for the **Ebell/Flint Scholarship**. Applicants must be U.S. Citizens who is a legal residents of Los Angeles County, attending an accredited college or university in Los Angeles County and be registered to vote here if eighteen years of age or older. Applicants must be unmarried, full-time undergraduates and have a GPA of 3.25 or above. The application deadline is **May 1, 1994**.

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