

The ASCIT Movie this week  
will be *The Wrath of Khan*.  
7:30 and 10:00 PM in Baxter.



Come see the Men's and Women's Glee Club in concert with the Caltech Chamber Orchestra. Saturday, 8 PM, Ramo Auditorium

# THE CALIFORNIA TECH

VOLUME XCIX, NUMBER 28

PASADENA, CALIFORNIA

FRIDAY, MAY 15, 1998

## Ditch Day was yesterday

BY TECH STAFF

Yesterday was Ditch Day, or in the undergrad lingo, yesterday was the day that "Tomorrow" became "Today." With shouts of "'Ditch Day is Today,'" this year's seniors left at 8 a.m. to return at 5 p.m., when their Ditch Day stacks were completed.

This annual migration of seniors off campus, however, this leaves their rooms unguarded, so the seniors also leave "stacks" to prevent the underclassmen from getting into their rooms. If the underclass can get through the stack, there is also a bribe in the room, to convince the underclassmen not to counterstack—prevent the owners of the room from get-

ting back into their own room.

Stacks can be anything from brute force to totally intellectual. Brute force stacks include walls of concrete, wood, and other barriers, while the more intellectual "honor" stacks are commonly based on puzzles which eventually lead to the room combination or elaborate sets of tasks that direct students all over campus, finding clues and performing wacky and perhaps difficult stunts. Almost all stacks revolve around some central theme.

This year was no different. Observers, including grad students, faculty, staff, and news reporters saw all sorts of wackiness: hidden clues, commandeered daihatsus, water and fundanoodle battles, large contraptions, large props, unique costumes,

and other events that can only be described as strange.

Ditch Day was carefully planned and organized by the seniors months in advance. Each house had a representative in charge of disseminating Ditch Day information, including the infamous fake Ditch Days that have occurred throughout this term. There were two campus wide Ditch Day fakes this year, the last taking place two days before the actual event.

The actual date of Ditch Day is kept a secret from the underclassmen, but this does not stop rampant speculation as third term moves on. Nevertheless, as soon as the Senior's morning cry is heard, the energetic enthusiasm that is Ditch Day starts in motion.



PHOTO BY KEVIN SCALDEFERRI

"The diary fell out, but we're breaking it anyway."  
Participants in this Ditch Day stack decided to destroy the Throop X-Wing, though they had the clue inside already.

## Anderson to receive Crafoord Prize

CALTECH PRESS RELEASE

The Royal Swedish Academy of Sciences is to award the 1998 Crafoord Prize in geosciences, with special emphasis upon "the dynamics of the deeper parts of the Earth," to Don L. Anderson of the California Institute of Technology and to Adam M. Dziewonski from Harvard University for their fundamental contributions to our knowledge of the structures and processes in Earth's interior. The 1998 Crafoord Prize is valued at \$500,000 dollars, and will be presented to the prizewinners at a ceremony on September 16 in Sweden.

On hearing the news that he had been awarded the 1998 Caltech's Eleanor and John R. McMillan Professor of Geophysics, Don Anderson, said, "I think it's very significant that deep-Earth geophysics is being honored by this award. It is rare for our field to be acknowledged in this way. I am really delighted that Adam Dziewonski, a close colleague of mine, is also being honored for his work. Most people, when they think of geophysics, think of earthquakes, but seismologists do other things, such as x-raying Earth using seismic tomography to see what is going on in the deep Earth."

Caltech president David

Baltimore congratulated Professor Anderson and noted that "the Institute is very proud and pleased that Don will be receiving the Crafoord. It is exciting news. Don's work is truly deserving of this great prize. He is one of the world's most prominent scientists in the area."

According to the Royal Academy, Anderson and Dziewonski have together developed a generally accepted standard model of how Earth is organized and of the dynamics of the processes at its core and in its mantle that govern continental drift, volcanism, and earthquakes.

Anderson and his team have researched changes arising from the pressure deep down in Earth's mantle. Sudden changes in the rock types at depths of 400 kilometers and 660 kilometers are explained by conversions undergone by the rock types, so that they contain minerals entirely unknown at Earth's surface. At 400 kilometers, the mineral olivine, common in lava, changes to spinel, a high-pressure mineral. At 660 kilometers, the mineral perovskite is formed, a mineral otherwise only produced in the laboratory at very high pressures and



PHOTO COURTESY CALTECH

Don L. Anderson

temperatures. Anderson's research has shown that such changes in composition of the mantle may explain the occurrence of tensions in Earth's crust that can lead to earthquakes. Anderson and his research team have also used seismic data to study convection currents in the mantle, important for understanding continental drift and volcanism. Recently, Anderson has also used geochemical and chemical-isotope methods not only for mapping Earth's development, but also for understanding the development of the moon and the planets Mars and Venus.

Anderson was born in 1933 in Maryland and received his doctorate in geophysics from Caltech in 1962. He has been a leading figure

## Caltech to raise \$100 million for new biology building

BY MEDIA RELATIONS

The California Institute of Technology has formally announced the goal of raising \$100 million in a campaign to support new initiatives in the biological sciences.

The Biological Sciences Initiative (BSI) will allow the Institute to create approximately a dozen new faculty positions in biology and related disciplines, construct a new biology building on campus, develop new joint training programs with medical schools, and target several major biological questions that can be answered only through sustained research in state-of-the-art facilities.

"We intend to keep Caltech at the forefront of research in the biological sciences," says Camilla Frost, cochair of the BSI and member of the Caltech Board of Trustees.

According to Caltech president David Baltimore, a Nobel Prize-winning biologist, the campaign is designed to strengthen Caltech's ability to advance scientific knowledge and pave the way for new technologies.

"The 21st century will be the Golden Age of biology. We will see advances in both fundamental understanding of nature and medical technology for the treatment of disease."

"Our campaign is ultimately aimed at complex questions like the nature of consciousness, how memory and learning operate at the molecular level, how cells grow and die, and how genetic networks function," Baltimore says.

"To answer these questions, we need the modern resources that only a major fundraising effort can provide for Caltech."

According to Ben Rosen,

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## Clubwatch!

The Caltech Ballroom Dance Club just started a new set of dance lessons including Argentine Tango and Milonga on Thursdays at 8:30 and a free East Coast Swing on Tuesdays at 7:30. Both classes meet in Dabney Dining Hall.

The Caltech Chinese Students Association (CCSA) is hosting a Dim Sum Outing on Saturday, May 16th at 888 Seafood Restaurant at noon. The trip is \$5 for members and \$10 for non-members. Those interested are asked to rsvp to ccsa@cco.co.

The Caltech Jugglers meet Monday, Wednesday, and Friday, 5:30-7 in front of Church on Wilson street, though they have been known to meet a little earlier on Mondays.

The Caltech Surf & Windsurf Club meets weekly for an informal bring-your-own-lunch in Chandler's west patio at noon on Wednesdays or Thursdays. Walk-ins are always welcome; there will be a sign on the table. Information on lessons and trips is easy to find, as the club itself is scheduling them. To join the email list, send a request to surfer@cco.caltech.edu and check out the club's website at [www.cco.caltech.edu/~surfer/surfing.html](http://www.cco.caltech.edu/~surfer/surfing.html)

Evil Geniuses for a Better Tomorrow will meet Wednesday at 11:42 in Kirkhoff 293. Plan to take over the world. Bring lunch. Email brain@ugcs for more details.

SEDS would like to remind everyone of JPL's open house, on Saturday and Sunday, May fifth and sixth. The event is free and will feature JPL scientists and engineers, two Earth-observing instruments under assembly, images of El Nino, a replica of the Martian landscape, Sojourner, the Pathfinder rover, Galileo, and the Cassini spacecraft.

## The Outside World

by Myfanwy Callahan

**NEW DELHI, INDIA** — Despite the threat of sanctions, India conducted two more underground nuclear tests Wednesday, after an initial three blasts on Monday. President Clinton has pledged to use the United States' vote to deny India funding from the International Monetary Fund and the World Bank.

**TAANAYEL, LEBANON** — Israeli jets bombed a Palestinian guerrilla training camp in the Bekaa Valley of Lebanon. Ten men were killed and another twenty or more were wounded in the attack. The training camp was for the Syrian-backed Fatah Uprising which is opposed to the Middle East peacemaking process.

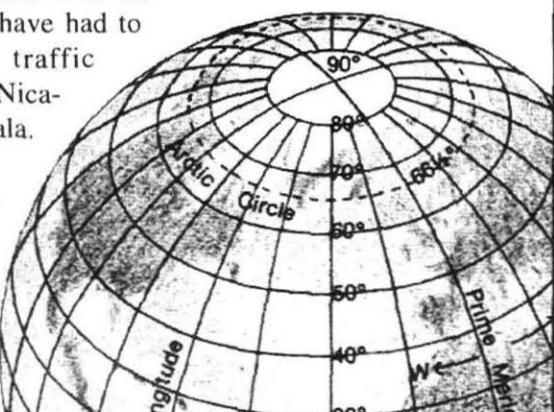
**TEGUCIGALPA, HONDURAS** — Forest fires spread so much smoke that all airport traffic in Honduras was grounded for the day. 35,000 acres of land are afire in the El Nino related drought. Travelers over the past two weeks have had to rely on land traffic through nearby Nicaragua or Guatemala.

**Jakarta, Indonesia** — Six students were killed Tuesday when riot police opened fire on a crowd. Now,

residents outraged over the killings of students have joined in the riots. 8000 students marched to demand President Suharto's resignation. Meanwhile, the rupiah, Indonesia's currency, dropped further by 16 percent.

**BELGRADE, SERBIA** — President Slobodan Milosevic of Yugoslavia and Ibrahim Rugova, the leader of Kosovo's ethnic Albanians have agreed to begin talks discussing the future of Kosovo. Their first meeting will take place today with no foreign mediators present.

**PHNOM PENH, CAMBODIA** — The Cambodian Government announced Tuesday that it had taken control of the last Khmer Rouge positions along the Thai border. The group has been falling apart since March when more than 1000 Khmer Rouge defected and since the group's longtime leader Pol Pot died last month.



## IHC releases committee appointments

There were many impressive applicants for all positions this year, even for committees that traditionally go unfilled because of lack of student interest. The IHC would like to express its respect to all of the undergraduates who cared enough about their community to apply to these positions. We hope you will continue to be involved in the future.

### Grievance

Alec Muller

### UASH

Kevin Bradley  
Kevin Franklin  
Nick Lorenzen  
Brigitte Roth (alt)

### Frosh Admissions

Amy Barr  
Ming Chen  
Ryan Dieckmann  
Catelyn Gifford  
Paul Kim  
Jaideep Singh  
Hanna Kim (alt)  
Eleanor Park (alt)

### Curriculum

Melvin Leok  
Matthew Sullivan  
Ryan Patterson (alt)  
Kartik Srinivasan (alt)

### Educational Outreach

Candace Chang  
Paul Kim  
Hanna Kim (alt)

## Ihler, Shumway capture Hinrichs Memorial Award

### OFF THE WEB...

Alex Ihler and Mike Shumway are the winners of the 1998 Hinrichs Memorial Award. Established by the Board of Trustees, this award is given in memory of Frederic W. Hinrichs, Jr. who served for more than 20 years as a dean and professor at the Institute. In remembrance of his honor, courage, and kindness, the award bearing his name is made annually to seniors who have made the greatest contribution to the student body during their undergraduate years at the Institute. The award also recognizes students of outstanding character, leadership, and responsibility.

Alex was selected for the exceptionally capable leadership and service he has provided during his years at Caltech. The most significant contribution that he is being recognized for is his work with the Board of Control, first as a house representative, then secretary, and finally as Board of Control Chair this year. Alex has also been an active member of Blacker House as a member of the Athletic team and as an upper-class counselor. He has been active with the Y and has been an excellent teaching assistant in EE.

Mike was selected for his outstanding leadership skills and for the service he has provided to his fellow students during his years at Caltech. As Fleming House President this past year, he has been a strong and effective leader and a role



Alex Ihler (left) and Mike Shumway (right)

model for others. Mike has also served his house as upper-class counselor and secretary. He has also been active as a drummer in the Jazz Band.

Their dedication to service, their ability to lead broad groups with diverse viewpoints, and their strong interpersonal skills make both Alex and Mike valuable and influential members of the Caltech community. They will receive the Frederic Hinrichs, Jr. Memorial Award at commencement on June 12, 1998.

### THE CALIFORNIA TECH

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# A.S.C.I.T.

## Minutes

MAY 12, 1998

Present: BoD (minus Steve)

Meeting called to order at 22:04.

**General Business Election** - Nominations for Social Director and senior and junior class President and Vice-President will open Tuesday of next week. The bylaw proposals will also be on the upcoming ballot.

**Survey** - Autumn is waiting for the movies people to give her a new estimate on how much a projector might cost before distributing the survey.

**Awards** - As soon as Devi gets the ARC together, the ASCIT Teaching Awards process will begin.

**Coffeehouse** - Baldeep is hammering out the agreement. Rob might help with this.

**MOMU** - Speaking of written agreements, our Memo of Mutual Understanding with Caltech needs to be formulated.

**Officer Reports Autumn** - Kneel before Zod!

**Devi** - The Alumni Association doesn't have any space to give for an undergraduate archive except for a damp-as-all-hell garage and a seldom used Opium Den. We will never be able to get the smell out of either one. Never fear! Student Affairs, the MOSH, or Tom Mannion might be able to find us some real estate. Steele house has been considered as an alternative. Baldeep pipes up and adds that maybe room could be allocated in the renovation of Keck and MJ.

About 90 midterm course surveys were filled out. The Dean will have an article in

the Tech encouraging people to join in the fun. He is considering some sort of incentive program. For every survey you fill out, you get an extra E. The name field on the survey form has got to go.

There are some new classes in the works. Andre (the TFM head chef) may offer a cooking class for PA credit. It would take place after hours in the north kitchens. How about a literature class where students critique the science part of science fiction? This may become a reality. The Counseling Center might put together an "interpersonal skills" class. Mike laughs out loud (several times). Apparently this bright idea comes from Jaideep. Mike laughs out loud some more. Several other BoD members join in. Soon the Board all share in a good gafaw. Devi is also working on getting more psych classes (and possibly a psych department). Mike is very vocal in his support of design classes and an architecture major.

**Jasmine** - Sensual. Consensual. Male. Go figure. Not many people have signed up for the formal. Everyone who doesn't attend will be going straight to hell. What is wrong with you people anyway? The last day to resister for the big shindig is Monday. Jasmine was planning on organizing a party this Saturday but there hasn't been much enthusiasm. She is thinking of shunting the money to either more lights or a summer coke bash.

**Jaideep** - The Deans will be sending out their frosh camp picks tomorrow. The time and date for the UCC meeting has been set to May 26th at 16:00. As of yesterday, 259 freshman have accepted Caltech's generous offer of a four year mind-wedgie. Baldeep and Jaideep (the wonder twins) went to a meeting about frosh SURFs. The IHC will

be working out how the rotation rules apply to the frosh SURFers. The IHC had lunch with Dr. Brennen. The Vendor Fair was yesterday. Due to budget constraints, Student Affairs will not be funding letter jackets. Write your local congressman! Jaideep will be publishing a Big FAQ talking about A/C, Cable, Interhouse, the Big T, etc. in installments in the Tech. If you are a minority student, watch out, because Jaideep is comin' to get ya.

**Rob** - Joined the unholy army of the damned this week when his Palm Pilot arrived. The treasury program is set up and running. There was some trouble with the Bank of America that Rob is busy sorting out. Seems they say we have more accounts than we think. Rob is also busy wrestling control of our Caltech accounts away from the covetous Bursar's Office.

**Mike** - The BoD calendar is done and the amendment proposals are ready for distribution. There will be a copy in the lounge of every house. They are also available on [caltech.ascit.announce](http://caltech.ascit.announce). Mike needs to update the roster to reflect recent changes in BoD phone numbers.

**Alan** - Coming at you like a Techer to a strawberry donut, third term BoC talks are imminent. Lloyd - Monday at 18:00. Blacker - Wednesday at 22:15. Riddock - Thursday at 10. The Board of Control will eat in the houses and there will be a discussion period afterwards. This is followed by the lightning round where BoC members go head to head with Dean Revel in an expulsion frenzy driven by the promise of cash and prizes.

**Baldeep** - Met with Tori Kirkam from the Department for Alumni Relations about the as yet empty ASCIT endowment. Warren G. Goda (incoming Alumni Association President) also met with

the (recently very popular) Baldeep. While Mr. Goda is unable to solicit funds on ASCIT's behalf, he did have some good pointers on how to manage any money that someone might want to give us. Here are some results from the frosh SURF meeting. Caltech got 26 of 40 Merit Students (our number one draft choices). Frosh SURFers will be housed in Avery along with the Bridge Program. There will be summer board in Avery. Baldeep suggests that the BoD provide frosh SURFers with a little t to help them along. For some reason, ASCIT does not get a copy of the minutes of the Faculty Board. Baldeep is working to correct this oversight. He is doing something with the Board of Trustees Alumni Relations Committee and trying to get in on meetings of the Board of Directors. The freshman letter is done but unsent. Time to make some copies.

Meeting adjourned at 23:12.

Respectfully submitted,

Michael D. Astle  
ASCIT Secretary



Present: All + Baldeep, Jasmine, Byron

- IHC meeting times have PERMANENTLY changed to MIDNIGHT. They're still every thursday, though.
- The Fire Policy Committee held a forum for discussion of the newly drafted policy Wednesday, May 13 at 8:00 pm in Steele house. Over 20 undergrads attended.
- The count of matriculating

frosh was 254 as of thursday last week. All of the on-campus room confusion to deal with this has been taken care of with the DRL.

- Karen Nelson, coordinator of Interhouse sports wants to remove the 12 term maximum participation stipulation in the Interhouse eligibility rules

- Fleming wants to add Paul Wylander to just their football list. Paul is an unaffiliated undergrad. The addition is approved.

- Can Dabney and Ricketts combine to make a single football team? There is not enough interest in each house to make separate teams, but there is enough combined interest.

- Ricketts doesn't have enough girls show up for women's tennis. Yes, guys can wear skirts and play against women from other houses.

- IHC and the Deans will meet with the UCCs selected to go to frosh camp within the next few weeks. The best time for the Deans to hold the meeting would be 4-6 (when ~half of the houses' reps will be participating in sports.) Jaideep is trying to find an alternate time.

- There was a vendor fair Tues May 12, in Lloyd Courtyard. Undergrads hopefully told ITS what they should buy next year. Jaideep wants to give Dave a more accurate name than the sedate, sit-on-your-ass "IHC Food Chair" How about "IHC Culinary Ninja"?

- Audrey dropped off petitions for a written "Caltech Environmental Policy" about the Caltech commitment to the environment to be hung in each house to be signed please direct questions to Claudine Chan ([ming@cco](mailto:mng@cco)) or Audrey Lee ([jachen@cco](mailto:jachen@cco))

Tanya

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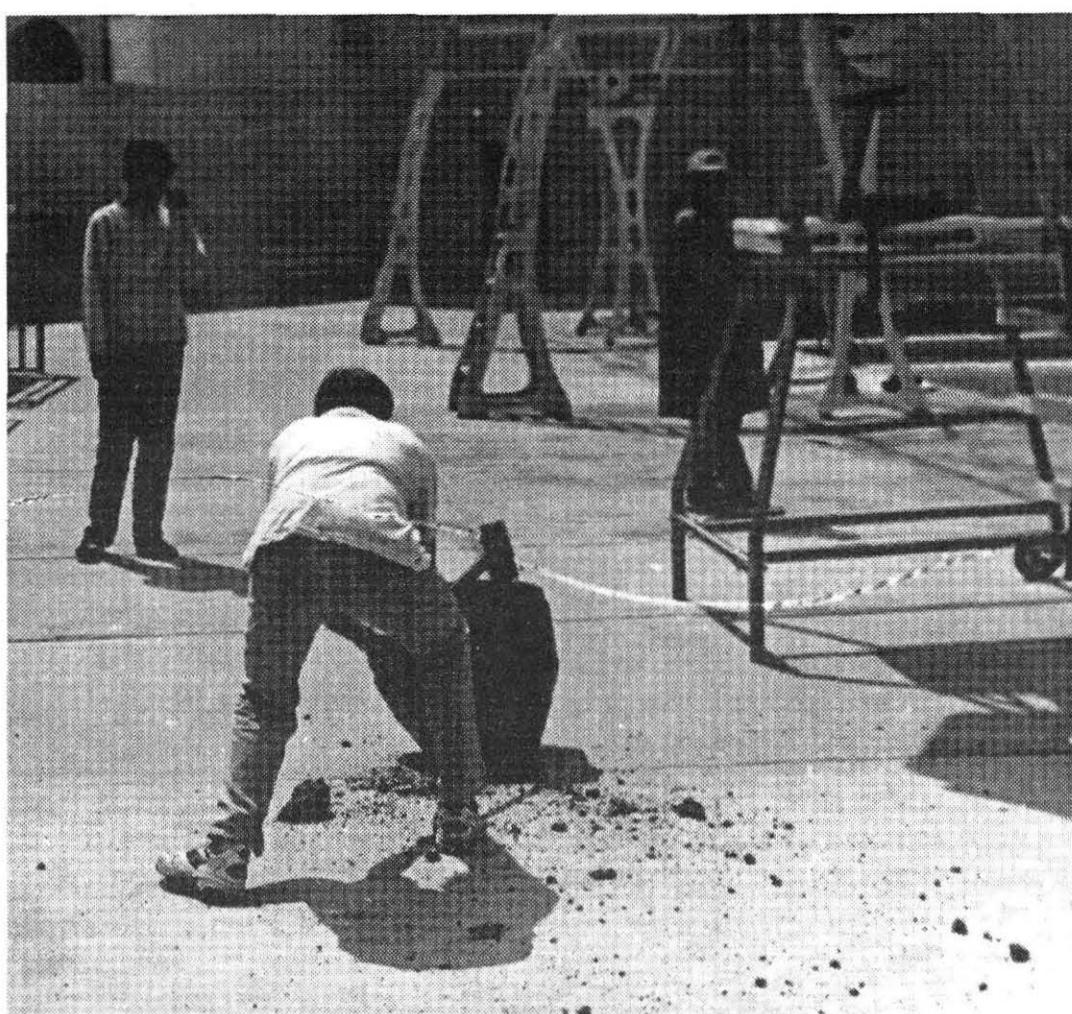
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*Oh Jesus Christ! Aaaaaahhh! S--- that thing's made of concrete!*

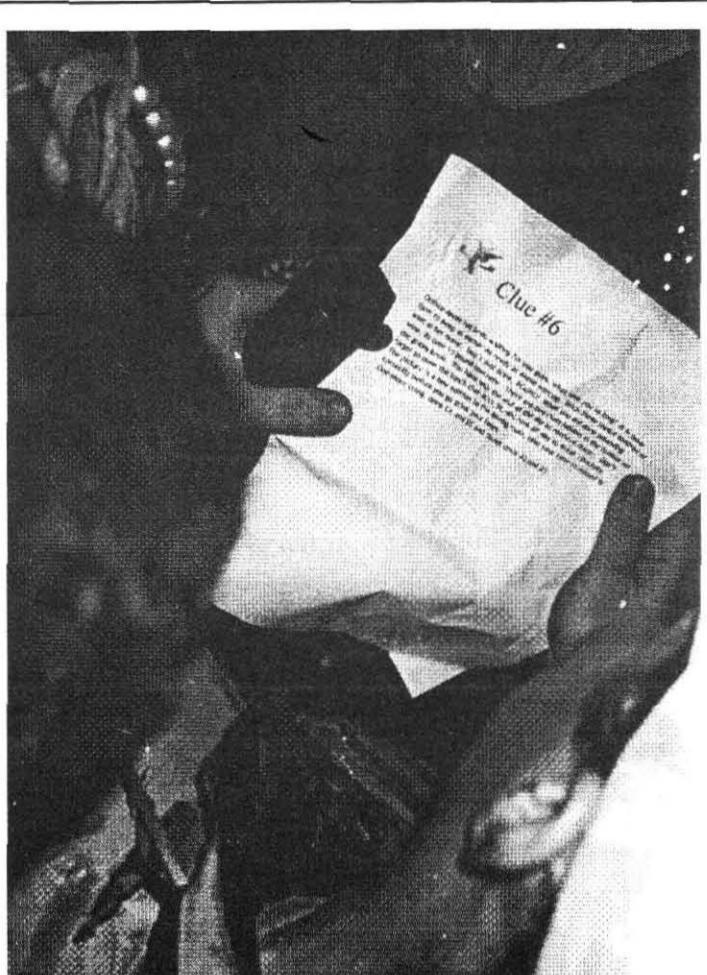
*"I never made sweet love in the women's bath-room."*

*"We got the Tri-force, step off b---h!"*

*"Who the Hell are you? Can we kill you?"*

*"That's not a good smell."*  
*"Is it me?"*

*"It's white like a sheep but round like a pig--the best of both worlds!"*



*Clue 11: G----- has had sex there.  
"The Avery conference room RIGHT?"  
"I don't know what you're talking about."*

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The Army of Darkness  
for all the Ditch Day photos

Tristan De Buyscher  
Robert Forster

Keith Matthews  
Kevin Scaldeferri

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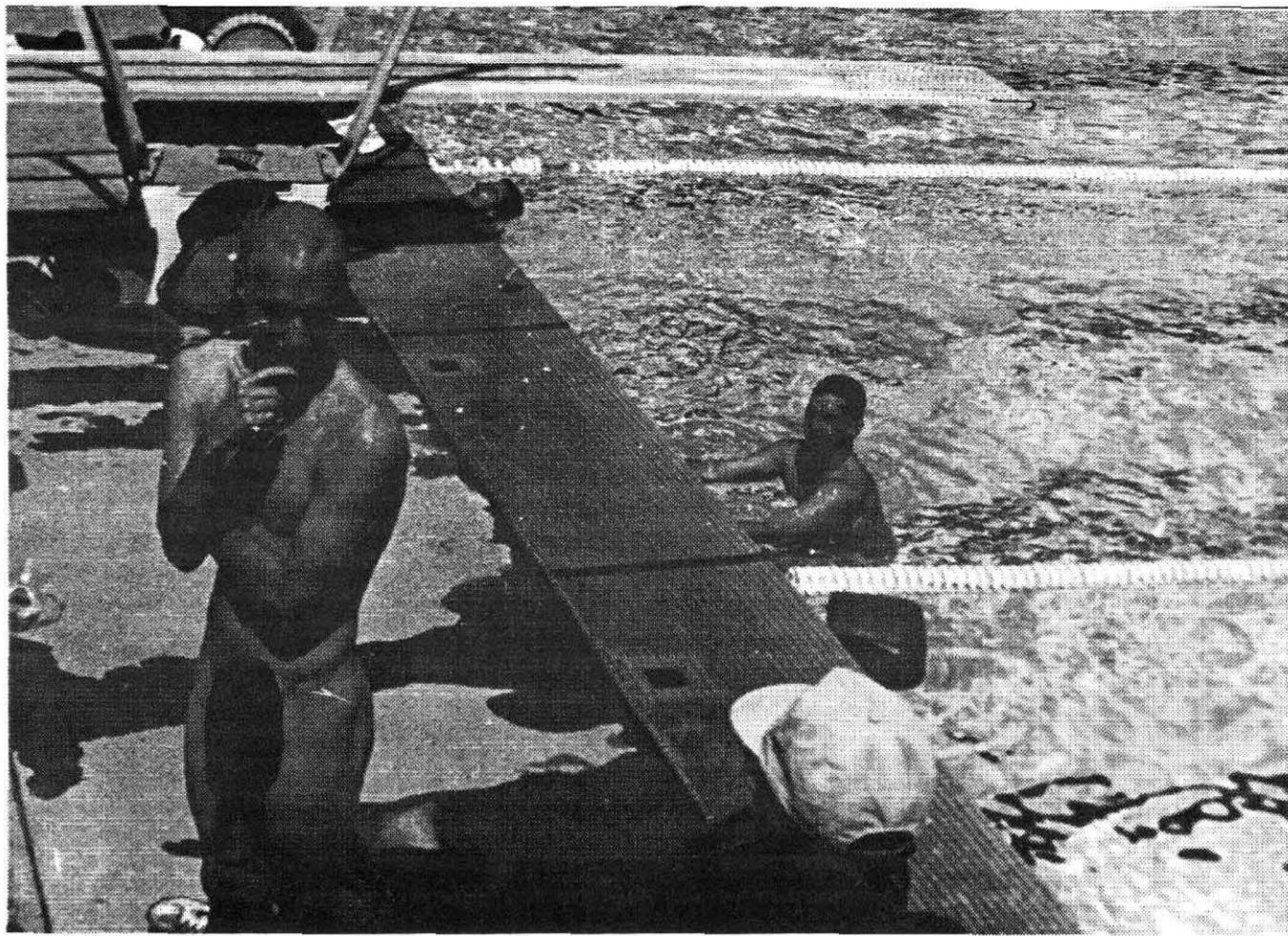
"It says don't open it unless you're dumber than dirt?"

"But we have to open it!"

"Dumber than what?"

"Dirt."

"I'll do it!"



"He's oppressing me because I'm naked."



Flying Cows Crossing the Omega

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## Best and Worst of Ditch Day

Fastest - Slack Stack  
 Slowest - Enemy Mine  
 Best Prop - Electric Chair  
 Best Cement Wall - Lloyd  
 Best Quote - "We have T-shirts and beer, what else do we need?" Amanda Blasius, Slack Stack  
 Best T-shirts - Dr. Seuss  
 Best Costume - Queen Luis  
 Best Dressed (or not) - Dave Goulet  
 Worst Dressed - Xena's  
 Best Fight - God Emperors vs. Highlanders  
 Best Way to Break Concrete - Jackhammer  
 Worst Way to Break Concrete - Acid  
 Nicest to Tech Reporters - The Mardi Gras people were really cool but they wouldn't share their al-

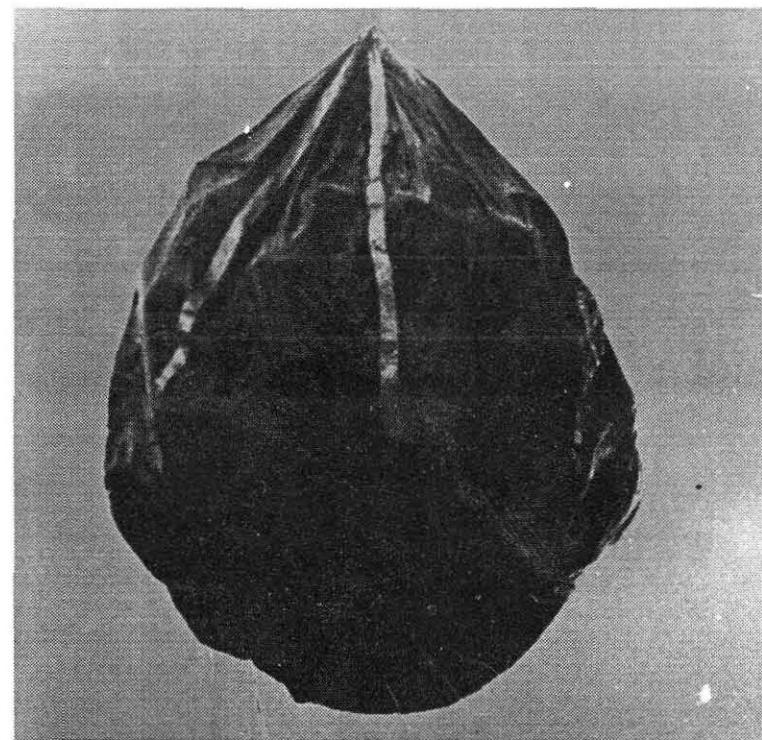
coh with us. The Zelda team gave us lots of rides.  
 Meanest to Tech Reporters - God Emperors  
 Best Use of the Dean - Target  
 Worst Aim - Rooftop Catapulters  
 Hardest Task - 300lbs. of concrete at the bottom of the pool  
 Drunkest - Those two girls with the bottle of whiskey  
 Most in Character - Paranoia (Red Clearance Citizens)  
 Best Echoing Singing in a Dark Steam Tunnel - God Emperors  
 Most Reckless Disregard for the Lives of Tech Reporters - Zelda Daihatsu Drivers



**BEST DARTH VADER: DALE**

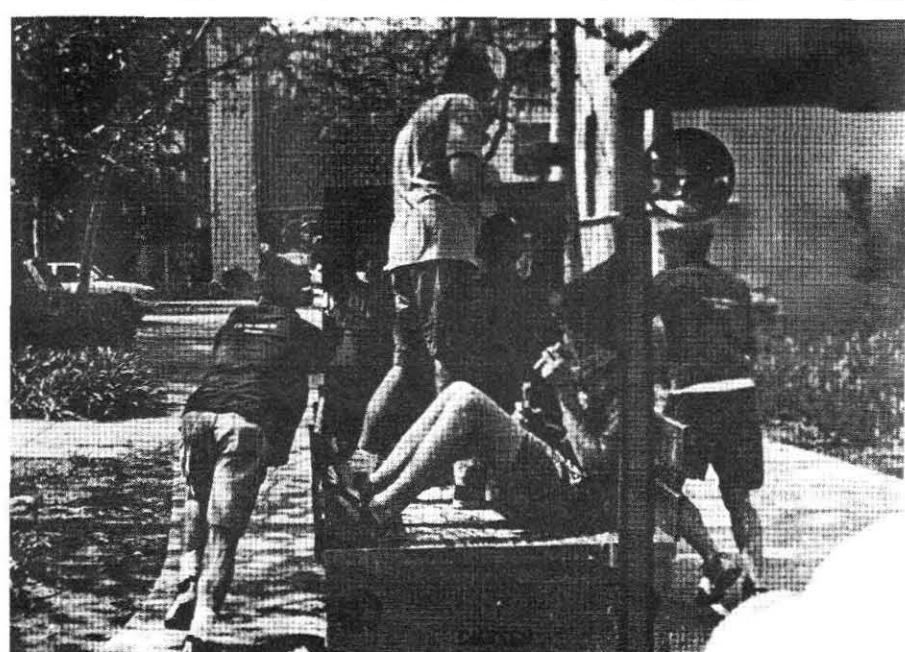
"We're having a tweettle beetle battle something something..."

*Hippies!*  
*<squirt>*  
*Oh look! More Hippies!*  
*<squirt>*

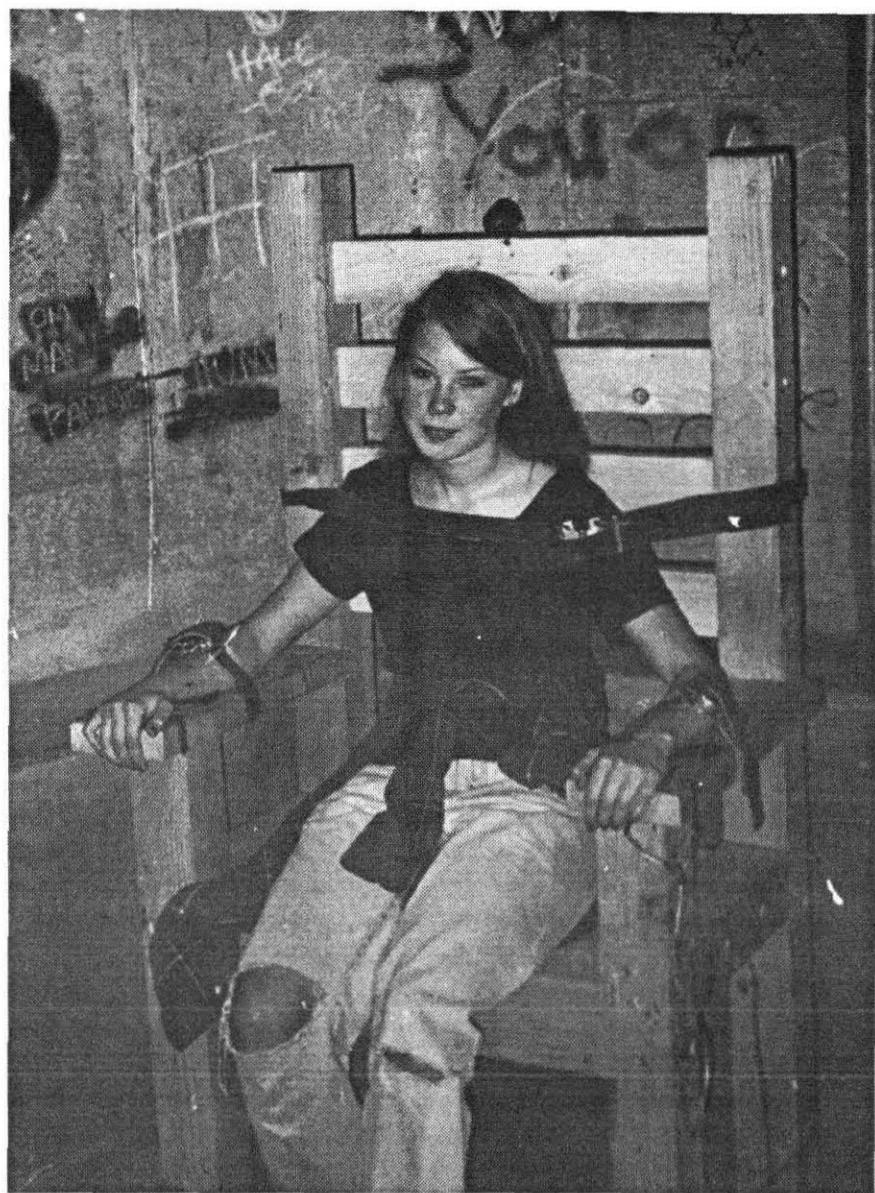


**WORST DEATH STAR**

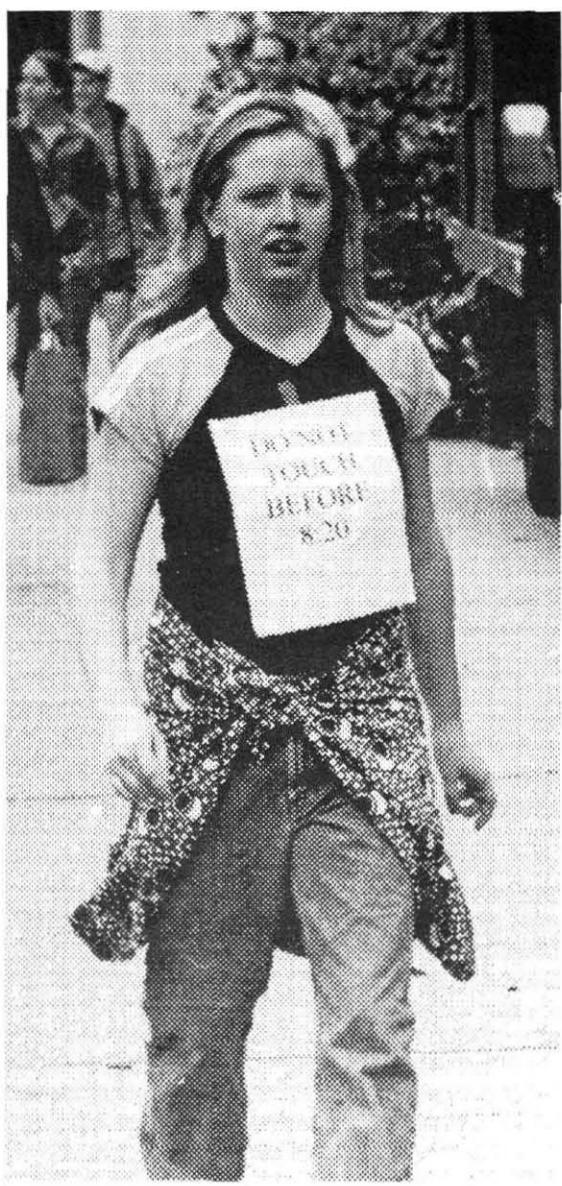
*"We're gonna finish this by two, it's gonna be one drinkin', smokin', trippin' afternoon."*



*"Ramming Speed!"*



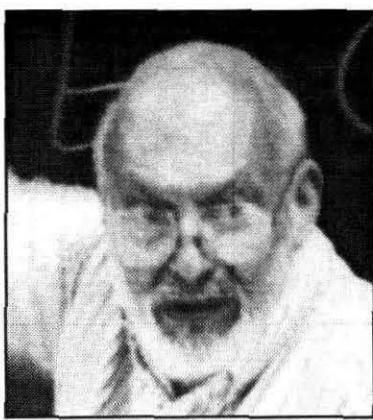
BEST ELECTRIC CHAIR



BEST MISUSE OF A PROP



"Let's F--- with people for awhile before we go back!"



# Dean's Corner

## QED ETQ?

by Jean-Paul Revel

questionnaires covering 44 courses. These numbers obviously reflect a problem. Only for one course did we get sufficient responses for the comments to have any statistical value. Only for 3 courses were there 5 or more responses. For 27 courses only one questionnaire had been filled out. We need to have more participation than that, if the questionnaires are to give an accurate image of the course.

When one deals with few responses it is difficult to convince Profs. that they should take the comments made on their presentation, seriously. After all if there are few respondents it is likely that malcontents will be better represented than people who are mildly satisfied, or even ecstatic. And if Profs. are led to disregard the comments as unrepresentative, there is no incentive for them to change the things that the students find unsatisfactory. The whole idea of being able to improve com-

I spent part of last week working on ETQ, the early term questionnaire that we (the Ombuds Office, Academics and Research Committee, and the Dean's Office) are trying out. The idea, as I am sure you remember, is that if Profs. would hear early in the term about problems in the courses they are teaching, then there would be time for them to do something on the fly to remedy the situation before the course is over. The first round of ETQs is now done with, with letters being sent to the Professors, last Friday. The reports consist of one Excel worksheet with a numerical evaluation of the various items queried. The written comments were reprinted on a separate page. Of course all identifying information was removed.

Combining the paper responses with on line ones there were some 92 filled out

mu-  
nition ap-  
pears to be doomed.

We had hoped that letting everyone know by e-mail that there was a questionnaire and making it available both on paper and on the Net would encourage many people to respond. It took only a few minutes to respond for all of the courses a particular student was enrolled in. I am actually amazed at the number of groups, which try to pry information out of the students.

Pry seems to be the word. The multiplicity of mechanisms suggests that none are really satisfactory, that there is an unfilled need for information. There are lots of anecdotal complaints, but in our effort to get timely information, there is too little response in most cases to decide whether anything is wrong with the way a course is taught. If ETQ is going to produce something more than another poll, there needs to be sufficient interest and a commensurate response rate.

So help us find ways to increase participation. Do

you prefer to respond on line or is it easier to follow the paper route? Would a cartoon, which opens after the questionnaire is sent, titillate your curiosity enough to have you fill the questionnaire, just to see? Or would you like to get a "fortune cookie"? or being excused from one homework set, one midterm question? Or do you think that appropriately timed, impassioned exhortations would be the ticket, or ice cream for all the respondents in the course that had the highest percentage of responses? (appropriately weighted according to how many people are enrolled in the class). Alternately do you prefer being solicited by your peers, the ombuds people in each class? etc.

Besides numerical evaluation of various criteria we had also requested further comments. Many of these written comments were excellent and to the point. But there were quite a few which went beyond a productive format. To be useful comments have to be objective and discuss lecture styles, teaching goals and techniques, accessibility of Profs. and TAs and other matters of this kind. They should describe, not evaluate. And they should not include personal slurs.

In a way, I do hope that the small return is due to the defects of the procedures we followed. We were a little late off the mark and did not get the questionnaire ready to function until just before the Midterms. We will try to remedy these problems. By and large however, what is really needed is your cooperation. We all want your experience at Caltech to be the fabulous adventure that it is meant to be. Only by knowing how close we come to allow you to achieve your goal can we come close to help you achieve it. It is one of the things you can do to maximize your returns from attending Caltech.

So please answer even if you are satisfied, not just if it feels like a bad dream. We would love to hear, nay we need to hear from you. Send us comment on ways to improve the questionnaires and to increase your response to them. I can be reached at *revelj@cco* the ARC through Devi Thota at *devi@cco*, and the Ombuds office at *helenh@cco*. Contact any of us, and watch us do better next time. Then it will be QED ETQ.

A bientot

*Jean Paul Revel*

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# Bridge Without Regularity

by Wei-Hwa Huang

NORTH  
 ♠:954  
 ♥:AK843  
 ♦:6  
 ♣:7652

WEST  
 ♠:KQJ3  
 ♥:J72  
 ♦:83  
 ♣:AQ93

EAST  
 ♠:T872  
 ♥:965  
 ♦:QJT952  
 ♣:void

SOUTH  
 ♠:A6  
 ♥:QJ  
 ♦:AK47  
 ♣:KJT84

North-South vulnerable.  
Dealer is South.

SOUTH	WEST	NORTH	EAST
1♣	Dbl	1♦	2♦
3N	Dbl	4♣	—
—	Dbl	—	—

Opening Lead: Eight of Diamonds

## The Bidding

Last week's West, now sitting South, stared at his 17-pointer with two major-suit doubletons, and decided to bid 1C instead of opening 1NT, although he mentally decided to bid it later. West, holding a reasonable spade suit and 13 good points, doubled that for takeout. North obliquely showed his red suit, as did East. South, apparently oblivious to the opponents' interference, went through with his plan anyway. This was resoundingly doubled by West; after all, he stood to make at least two spade tricks, two club tricks (since South was marked with the club King), and East could probably supply something in diamonds. North tried to save into clubs, but that was doubled too.

## The Play

West led into his partner's diamonds. Dummy came down, and South went into a stew. West's doubles had unnerved him. gingerly, South took the Ace and trumped a low diamond in dummy, noticing West's doubleton. Leading a low club from dummy revealed the bad trump break as East discarded a diamond. South's ten was overtaken by the queen, and West led a high spade back to South's ace. Trying to get rid of his hot potato (the low spade), or at least force West to use one of his trumps, South led out the top three hearts, throwing the last spade in his hand on the King. South led a heart from dummy and West seemed surprised when he trumped it with the Jack of trumps. West overruffed with the Ace and led a high spade. West raised his eyebrows again as South trumped with the four. Now the situation was:

NORTH  
 ♠:9  
 ♥:8  
 ♦:  
 ♣:76

WEST  
 ♠:Q3  
 ♥:  
 ♦:  
 C:93

EAST  
 ♠:T  
 ♥:  
 ♦:QJT  
 ♣:

SOUTH  
 ♠:  
 ♥:  
 ♦:K7  
 ♣:K8

and South made the only move that could save the contract: the diamond 7. If West ruffed high, declarer's hand would be good. As it happened, West threw the spade 3, and declarer again made the only correct move of leading a side suit from dummy and trumping with the club King. Now there was nothing to stop declarer from making his contract.

# FEATURES

## Maya Angelou shares poetry, song, self in talk

by Erik Dill

Wednesday, I abandoned our frantic little island of pristine Science and Technology for a lyrical, meandering, distinctly right-brained experience. Through the grace of Residence Life, I trekked to the Pasadena Civic Auditorium to see the Distinguished Speakers Series of Southern California. Looking for some excuse

to justify abandoning the usual ponderous homework assignments, I went to see Maya Angelou the famous poet. However, I returned with a vision of Maya Angelou the person - famous yes, but famous for her outstanding personhood.

She opened her speech with a song: from a deep, mellow alto rolled lyrics that spanned the globe, and a melody that held the timeless richness of pure passion. Applause were universal, but only a few - all women save a lone black man - rose from their seats. Only an hour and a half later, Angelou had, by sheer inspiration of her spirit, animated the group to rise unanimously in a standing ovation.

This power came not from her ability to identify with women and African Americans, but from her ability to distill the human experience into a brew so strong that her message at once was understood by each individually, and by all collectively.

The evening revolved around poetry, again rendered in Angelou's rich, rolling, precise expression. Poetry was used because, "in the poetry we can find evidence of our wonder," and Angelou deftly inspired and elucidated that wonder as she walked the line between speech and song. She drew primarily from black writers, reciting Paul Lawrence Dunbar, Mari Evans, Langston Hughes and ending with her own work, but poets far

removed from Africa, including William Shakespeare, Edna St. Vincent Milay, and Robert Service were also prominent. Recalling her early life in the racially polarized environment of Stamps, Arkansas, where the black community did not acknowledge non-African authors, she stated that "It is imperative that you know that all of [poetry] belongs to all of us all of the time."

*"You need to have this poetry inside you."*

Angelou was most inspiring as she twisted and tweaked the often delicate issue of race. She is undoubtedly a minority: black, female, highly educated. However, she neither exploited nor avoided the issue. It was clear throughout that she was who she was and would be taken on those terms. However, she was again able to pull out the thread of universal experience from a background of personal anecdotes. While no one, perhaps, could relate to the complete spectrum of her life, everyone received the message. "You need to have this poetry inside you. You need to laugh and cry. You need to realize that human beings are more alike than unalike."

n o w  
hear  
this.

It's no secret that I'm a big Tori Amos fan, and so there's really no point in trying to give an objective opinion of the album, *from the choirgirl hotel*. I'll just give a little background info: towards the end of the Boys for Pele tour, she found out she was pregnant. Sadly soon after, she miscarried. Suddenly all these songs just came to her "from the choirgirl hotel" and as a result we have her most mature and emotionally charged album since the breakthrough *Under the Pink*. She gets funkier, more percussive on this album, most notable on "Raspberry Swirl" and "She's Your Cocaine." As usual, the most radio-friendly song ("Spark") isn't the best track by any means. My favorite song is "Playboy Mommy," which seems like an open apology to her unborn child. There's an unreleased track that was available by pre-ordering with Tower Records, but I've got the song in mp3 format. Get it at <http://epiphany.caltech.edu/~merman.mp3>

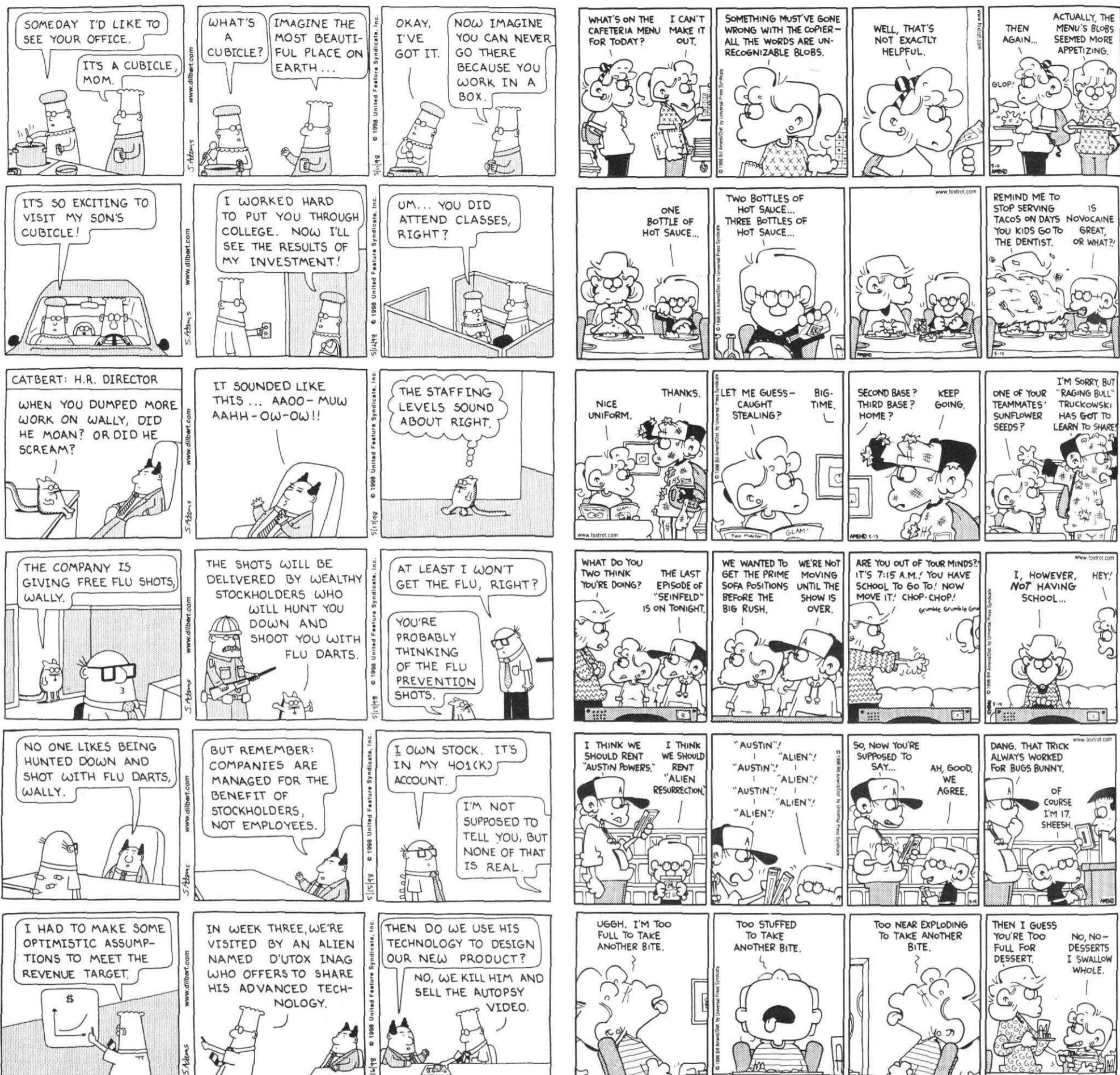
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 ★ YOU BOTH DRESS UP ★ YOU DANCE TO LIVE JAZZ  
 ★ YOU TREAT EACH OTHER WITH RESPECT FOR ONCE ★  
 ★ THE FOOD IS AWESOME ★ THE SETTING IS ROMANTIC  
 ★ YOU AREN'T BANKRUPT AFTERWARDS  
 A DATE WHERE YOU GENUINELY ENJOY YOURSELVES  
 A DATE WHERE YOU GENUINELY ENJOY YOURSELVES  
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 STAG AND ODYS DISCLAMER: THIS MESSAGE HAS BEEN SPECIFICALLY TARGETED  
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## Announcements

**Ψ Weekly open IHC meetings** have now been permanently moved to Thursdays at midnight.

**Ψ The Caltech Cyclocommuters and Human Resources/Employee Services** are hosting the annual Bike to Work Day rally outside the Red Door Cafe at noon on Thursday, May 21st. Ride your bike to work that day (or during the week) and join the rally for refreshments, raffle prizes and bike tuneups. For more information email [chris@bbb.caltech.edu](mailto:chris@bbb.caltech.edu).

Nominations are now open for the offices of 98-99 **Big T Editor and Business Manager**. Interested individuals can nominate themselves by signing up on the door of the ASCIT/IHC office (SAC 33).

**Free anonymous HIV testing**, using an oral HIV antibody test, is available each Monday evening from 6-8 pm at the AIDS Service Center, 1030 S. Arroyo Parkway in Pasadena. Persons wishing to be tested may make an appointment by calling, toll-free, (888)488-9242, or (626)441-8495. Walk-ins are also accepted. Both pre- and post-test counseling is provided, and results will be given the following Monday.

**The Gay/Lesbian/Bisexual Discussion Group** Looking for a safe and supportive place to discuss issues such as coming out, being out, dealing with family, coping with a homophobic culture, and being GLB at Caltech? We invite you to the Gay/Lesbian/Bisexual Discussion group, which meets on the first and third Tuesdays of each month from 7:30pm until 10pm in the Health Center lounge. This is a confidential meeting and does not imply anything about a person's sexual orientation - only that s/he is willing to be supportive in this setting. The group usually discusses a particular relevant topic and then moves on to the general discussion. Refreshments will be served. If you would like more information, please call x8331.

## Events

**The Caltech Glee Clubs and the Caltech Chamber Orchestra** will be performing in Ramo Auditorium on Friday, May 15, and Saturday, May 16, at 8pm. Their programs will include Brahms' Songs of Destiny and Academic Festival Overture. Admission is free.

For information call x4652.

**Ψ There is a Caltech Y Excomm Meeting** in Steele Houses on noon, Monday, May 18th. Stop by if you are interested in helping plan events and activities. For information call Athena Castro, x6163.

**Ψ There will be a lecture and demonstration recital on the German forte piano** of Mozart and Beethoven's time by Suzanne Shapiro, musician-historian, USC, at 7pm in Dabney lounge Tuesday, May 19th. It is presented as part of the music program of the Division of the Humanities and Social Sciences.

**Ψ Fire Extinguisher Class** on Wilson parking garage roof, 10am Wednesday, Math 20th. To register call the Safety Office; x6727.

**Ψ AA Meeting** on noon, Wednesday, May 10th, in 125 Steele. It will be a discussion meeting. Bring your lunch. For information call x8360.

**The Caltech Toastmasters Club** wants to help you improve your public-speaking skills. The club meets every third Thursday from 12:15 - 1:15pm in Beckman Institute, room 121. The next meeting will be on May 21st. For more information contact Louisa Toot, x3408, [louisa@library.caltech.edu](mailto:louisa@library.caltech.edu), or Jesus Ayala, x6744, [FINJMA@finance.caltech.edu](mailto:FINJMA@finance.caltech.edu).

**Ψ There will be a William Bennett Munro Memorial Seminar**; "Keep Sober, Work and Support His Family": Policing the Provider in Modern America," by Michael Willrich, Department of History, Rice University. It will be held in Judy library at 4pm Thursday, May 28th. Refreshments will be served. Sponsored by David Igler. For information contact Helga Galvan, x4538.

**The Distinguished Speaker Series** of Southern California is moving into its second season. The events will be held at the Pasadena Civic Auditorium on five remaining dates, at 8pm. Mark Victor Hansen will be speaking on June 10th. For information, call (800) 508-9301.

*For most Caltech events listed, further information can be obtained by calling 395-4652 or (888) 2-CALTECH, or through the Caltech website, <http://www.caltech.edu>. Special discounts are available for most shows for Caltech/JPL students, staff, and faculty.*

## Mints

Ψ denotes a new announcement.

## Fellowships and Scholarships

**Ψ Summer Internship in the American Physical Society's Washington Office** is looking for an undergraduate physics major with great writing skills and genius IQ. They're prepared to be flexible. Email a writing sample and resume to: [opa@aps.org](mailto:opa@aps.org). The deadline is May 29.

**The Computing Research Association Committee on the Status of Women in Computing Research (CRA-W)** is pleased to announce a new initiative, Collaborative Research Experience for Women in Undergraduate Computer Science and Engineering (CREW), designed to provide collaborative research experiences for groups of two or three undergraduate women during the 1998-99 academic year. Students will work at their home institutions with a sponsoring faculty member on a project for which monetary support is typically unavailable. Ordinarily each student will receive a \$1000 stipend. There is no support provided for faculty stipends, however up to \$500 per project may be requested for special equipment, travel or supporting materials. Entries are due by May 30. For more information, visit <http://cra.org/Activities/craw>. FAR

**Washington Summer Science and Technology Policy Program** for advanced Undergraduates is a rigorous six-week, 7-credit program of study and writing, combined with practical internship experience and on-site briefings by people important to shaping S & T policy. It runs from June 13 to July 25, 1998. Details are available at <http://www.gmu.edu/departments/cge>. FAR

**The National Institutes of Health's Undergraduate Scholarship Program (UGSP)** is pleased to announce the availability of up to 15 competitive scholarships to support top undergraduate students who are committed to pursue careers in biomedical research. Awards are up to \$20,000 per year. To qualify, a student must be a U.S. citizen, national or permanent

resident, be enrolled in or accepted by an accredited undergraduate institution, and carry a GPA of 3.5 or better or be in the top 5% of his/her class. In addition, the applicant must demonstrate extreme economic need or come from a disadvantaged background. For each year of scholarship, the student will fulfill a 10-week summer research/mentoring program and after graduation, fulfill one year of full-time employment, both at NIH in Bethesda, Maryland. UFA

Working or studying in **New York City** this summer? Educational Housing is a nonprofit group that helps students locate safe, reasonably priced New York housing. For more info, visit [www.studenthousing.org](http://www.studenthousing.org). FAR

**Work in Britain** this summer or next fall: The British Universities North America Club (BUNAC) offers a special student work permit for \$225, valid for 6 months, allowing U.S. citizens who are at least 18 years of age to legally work in Britain at any time of the year. Jobs can be prearranged, or students can just go to Britain and find jobs (most students find work within a week of arrival). BUNAC's program also provides participants with a helpful manual and a job hunting center in London. BUNAC can also prearrange your first 3 nights of lodging in London. Applications and further information are available in Fellowships Advising. Visit BUNAC's Work in Britain site at <http://www.BUNAC.org>. FAR

**The John Gyles Education Fund** offers financial assistance to full-time students in Canada and the United States. Full Canadian or American citizenship is required. Awards are available for all areas of post-secondary study. A minimum 2.7 GPA is required. Criteria other than academic ability and financial need are considered in the selection process. Selected students will receive up to \$3,000. To receive an application, please send a stamped, self-addressed, standard letter size (No. 10) envelope to: The John Gyles Education Fund, Attention: R. James Cougle, Administrator, P.O. Box 4808, 712 Riverside Drive, Fredericton, New Brunswick,

Canada E3B5G4. Filing dates for mailing applications in 1998 are June 1st and November 15th. UFA

**The 1998 BFGoodrich Collegiate Inventors Program (BFG-CIP)** is seeking entries for this year's challenge. The program recognizes and rewards full-time college students (undergraduate, graduate, and postdocs) and faculty whose innovations, discoveries and research are deemed the year's most outstanding. Up to six student/advisor teams are awarded cash prizes totaling up to \$42,000. Students may enter as individuals or teams. The invention, idea or process submitted must be an original idea and the work of a student or team with his or her advisor. There is a June 2, 1998 deadline. For more information, call (330)849-6887 or e-mail [pkunce@invent.org](mailto:pkunce@invent.org). Applications are available on the web at <http://www.invent.org/bfg/bfg/home.html>. FAR

**The Jewish Family and Children's Services** offers financial support for Jewish individuals and their families. Individuals may apply for up to \$5,000. Special scholarships are available for study in Israel. Eligible students must have financial need, have at least a 3.0 GPA., and be residents of San Francisco, the Peninsula, Marin or Sonoma counties, or the Bay Area. There are no deadlines—applications are accepted throughout the year and are available in the Financial Aid Office. UFA

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

**FAR - The Fellowships Advising and Resources Office.**

*For information, please contact [lauren\\_stolper@starbase1.caltech.edu](mailto:lauren_stolper@starbase1.caltech.edu). To make an appointment, call x2150.*

**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](mailto:mints@tech.caltech.edu) or Mail Code 040-058 by noon on the Monday prior to its inclusion. Submissions must be brief and concise, and the editors reserve the right to edit and abridge all material.*

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