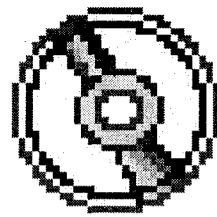


Dilbert appears for the third week in a row!

see page 6



Jabberwock to play in front of Winnett next Friday.

see page 5

# THE CALIFORNIA TECH

VOLUME XCVIII, NUMBER 3

PASADENA, CALIFORNIA

FRIDAY, 4 OCTOBER 1996

## Just another brick in the wall?

BY KIM E. LUMBARD

[This is an opinions article; however, we felt that the problems it addressed were important enough that it belonged on the front page. -eds]

### MY BACKGROUND

Greetings!  
My name is Kim Lumbard and I am a first year graduate student in AMa. I was a Caltech undergraduate in AMa. I originally matriculated at Tech in 1988 and graduated in 1994 (4 years of classes, 1 year leave of absence, 1 year of research). After graduation I worked for Oracle Corporation as a programmer for a year, and last year I did freelance research for Dr. McEliece in the EE Department (meaning: I did it gratis :-). I've been around the Institute for quite a while and have been witness to a number of changes in the community, particularly with regard to student and administrative relations.

This year I decided to live in Avery House, which is a flagship housing experiment by Caltech. The idea is to have undergraduates, graduate students, and faculty all live under the same roof, hopefully promoting a greater interaction between what have typically been "separate cultures." Similar ideas have been kicked around for many years; for example, as an undergrad, I participated in discussions about C-House, where the focus was to foster a business and entrepreneurial atmosphere. I believe the concept of greater interaction, and moreover, better lines of communication, to be sound ones well worth promoting.

The house itself is a large complex around 2-3 times the size of the other houses. Caltech spared no expense in the construction. Not only was it built in record time, but also the house is really rather nice. It has several large lounges scattered about the house, a split level cafe and dining area, library and conference rooms, you name it. However, this article concerns quite a bit more than Avery House. It's about walls being built and being taken down. Therein lies a long story....

### ONE WALL'S GENESIS

Avery officially opened for habitation a couple weeks before

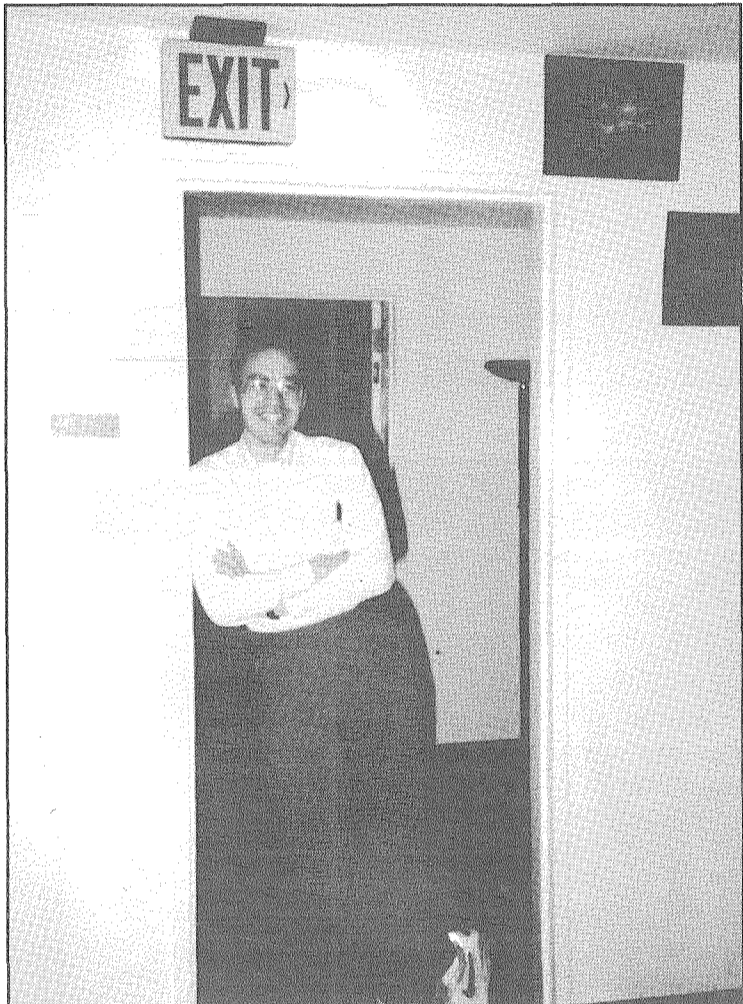


PHOTO BY SHAY CHINN

*The door between the past and the future?*

classes started, and I arrived about that time. I live in room 249, a single on the second floor which has some peculiar distinctions to it. It's built on a corner and has an alcove in front of it; the alcove has another door leading to a nice balcony area. In fact, it's the only room in the house with an alcove in front of it (discounting some rooms which are recessed a few feet).

*Some magic happened as we realized that it could be done. It should be done. It was crying out to be done.*

After I moved in, naturally my friends began visiting. About T-minus 10 days to classes, two fellow alumni dropped by and we spent an evening shooting the breeze. My room is rather small, and despite my best efforts I couldn't fit all my stuff in it. Consequently, I had put two laundry hampers in front of my door. One person joked about it and the other said that I would probably be forced to expand further out into the hall.

"That's no problem, though. You could just put a wall up right here and double the floor space of

your room," the first said, motioning across the front of the alcove. "And you'd score access to the balcony as well." We three glanced at each other, back and forth, and some magic happened as we realized that it could be done. It should be done. It was crying out to be done.

While snagging the space for my own personal use would be a coup of the highest order, I decided that I would use the newly created room as a reading room. I have about 10,000 comic books and a plethora of paperback novels. I had long discussed opening my collection to the public with Linda Chappell et al from the housing office, and the

idea was supported but not acted upon. (After all, the house wasn't even built when I asked about it at the beginning of the summer, and higher priority items took precedence.)

### THE EXECUTION

Of course, this particular construction job carried several constraints with it. First, I wanted to achieve 90% imitation of the current walls. That means that 9 of 10 people walking by shouldn't notice any dif-

CONTINUED ON PAGE 3

## Meet your Congressional candidates with CETF

BY CETF

The Caltech Environmental Task Force (CETF) is pleased to present a series of lunchtime discussions on the environment by District 27 candidates for US House of Representatives. Each candidate will discuss how the next Congress should deal with environmental issues. This will be followed by a question and answer session from the audience.

Come here what the candidates have to say on:

- What environmental issues are likely to be discussed during the 105th Congress
- How environmental programs should compare with other expenditures in the budgeting process
- Global climate change: What

can/should Congress do?

- Whether current regulations are excessive, sufficient, or inadequate in dealing with urban pollution problems
- How population growth, development, land use, and resource extraction should be balanced against ecosystem preservation

Republican Jim Rogan will address CETF Tuesday, October 8 in Moore 070. Martin Zucker, of the National Law Party, will be there Thursday, October 10 in Moore 080. Libertarian Elizabeth Michael will join CETF Friday, October 11 in Moore 080. Doug Kahn, the Democratic candidate, will address students Friday, October 18. All presentations will be from noon to 1:00 p.m. Light refreshments will be provided.

## Philip Halpern named Caltech's new Treasurer

BY PUBLIC RELATIONS

Philip Halpern has been named treasurer and Chief Investment Officer at the California Institute of Technology, Caltech Vice President for Business and Finance John Curry has announced. His appointment is effective October 3. Halpern will come to Caltech from the Washington State Investment Board, where he has been chief investment officer since 1992. The new treasurer will manage \$1.2 billion in endowment and foundation assets for Caltech.

"We are delighted that a person of Philip Halpern's experience and background will be joining Caltech," said Curry. "Philip brings to Caltech nearly two decades of investment man-

agement experience, as well as a first-class intellectual understanding of the field. He has impressed everyone at Caltech with his professionalism, friendliness, and depth. These qualities should serve the Institute well as our Administrative Process Engineering initiative moves into the fast lane."

At the Washington State Investment Board, Halpern was the system's first chief investment officer of its \$35 billion assets.

He made many contributions, including improving investment performance and the overall administration of the system. Halpern is credited with being actively involved in the turnaround of the state retirement fund.

## IN THIS ISSUE

### THE USUAL STUFF

Announcements.....12  
DILBERT@.....6  
The Outside World.....2

### THIS WEEK'S FEATURES

Baseball .....11  
Crossword Puzzle.....9  
Water Polo.....10

# The Outside World

by Myfanwy Callahan

**HAITI** — The United States is recruiting police officers to join United Nations peace-keeping troops in Haiti. A security crisis is developing amid assassination attempts on the leading officials of the democratically elected government, and the killing of two opposition leaders and several Haitian police officers.

**KABUL, AFGHANISTAN** — After hanging the corpse of the country's last Communist President in a public square, officials of the new Muslim fundamentalist Government stated that they want to pursue "friendly and good relations" with the United States. Publicly denouncing terrorism, the Deputy Foreign Min-

ister said they would welcome foreign aid.

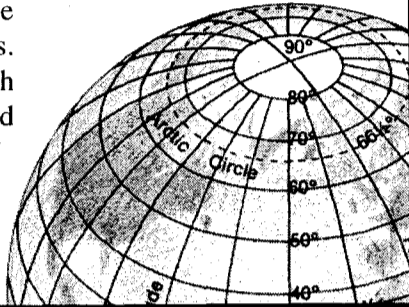
**MOSCOW, RUSSIA** — Russian Defense Minister General Igor N. Rodionov warned Tuesday that morale is extremely low in the military. With back wages due and insufficient housing and food, Rodionov stated "the Defense Ministry cannot guarantee that no undesirable and uncontrollable proceedings will develop in the armed forces."

**ROME, ITALY** — As the monetary union of Europe in 1999 draws near, European leaders are squabbling over budget plans. Leaders trying to comply with the strict fiscal criteria outlined in the Maastricht Treaty were accused of "fancy accounting footwork" by some analysts.

**UNITED NATIONS** — The

United Nations have decided to formally end sanctions imposed on Yugoslavia in 1992. The UN had suspended sanctions after the peace accords last year, but were awaiting the certified results of the election in Bosnia before the final decision could be made.

**WASHINGTON, D.C.** — Israeli Prime Minister Benjamin Netanyahu and Palestinian leader Yasir Arafat met in the White House for several hours on Tuesday and Wednesday. They are addressed some of the issues that have led to the deaths of more than 70 Israelis and Palestinians last week.



# Judy Collins to perform at Caltech

BY PUBLIC EVENTS

Judy Collins will open the Caltech Presents 1996-97 season on Friday, October 18 at 8 p.m. in Beckman Auditorium.

Collins has been called a national treasure, a magical singer. Descriptions of her voice include "one in a million," "liquid silver," and "the voice of the century." She illuminates her material with a crystal soprano that only gets better as time goes on.

Throughout her three decade career, Judy Collins has been an outspoken advocate for human rights. Last year, she signed on with UNICEF; her first UNICEF sponsored trip was to the former Yugoslavia. Collins will be visiting with

children in war-torn and tragedy stricken locations throughout the world to call attention to their plight.

A just-released project by Crown Publishing is the Judy Collins CD package "Voices," which contains a CD of her compositions with Ms. Collins' own watercolor illustrations, a book of sheet music and stories about each song.

During her concert tours, Collins introduces her audiences to her current compositions from the Mesa Bluemoon album "Shameless," released simultaneously with her novel of the same name. The "Shameless" novel is a publishing first, enclosing a 2-song CD inside the book.

In her memorable interpretations of songs performed by the Beatles, Stephen Sondheim, Randy Newman, Leonard Cohen and Joni Mitchell, plus music from the spiritual and folk traditions as well as her own compositions, Judy has staked out indisputable territory and planted it with songs that are timeless.

For more information or to order tickets, contact the Caltech Ticket Office at [tickets@caltech.edu](mailto:tickets@caltech.edu) or (818) 395-4652. Tickets are \$35, \$32, & \$29.

## PRINCIPLES of SOUND RETIREMENT INVESTING



### EXERCISE REGULARLY AND YOU COULD LIVE LONGER. INVEST REGULARLY SO YOU CAN AFFORD TO.

Americans are living longer than ever. So it's quite possible you'll spend 20 or 30 years or more in retirement. Can you afford it? Unless you're independently wealthy, chances are you'll need more than your pension and Social Security to support the kind of lifestyle you'll want.

How can you help ensure that you'll be in good financial shape? Sign up for TIAA-CREF SRAs — tax-deferred annuities available only to people in education or research.

SRAs are easy. No pain, no sweat.

The best way to build strength — physical or fiscal — is to start at a level that's comfortable and add to your regimen as you go along.

With TIAA-CREF SRAs, you conveniently contribute through your employer's payroll system. You

can start with a modest amount and increase your contribution as your salary grows.

The important thing is to start now. Delaying for even a year or two can have a big impact on the amount of income you'll have when you retire.

**TIAA-CREF:**  
Your fiscal fitness program.

TIAA-CREF is the nation's largest retirement system, managing over \$150 billion in assets for more than 1.7 million people. We offer a wide range of SRA allocation choices, long-term investment expertise, and remarkably low expenses.<sup>1</sup>

Call 1 800 842-2776 for an SRA Enrollment Kit or our interactive SRA Enrollment Software. Or visit us on the Internet at [gopher://tiaa-cref.org](http://gopher://tiaa-cref.org), or <http://www.tiaa-cref.org>.



Ensuring the future for those who shape it.™

1. Standard & Poor's Insurance Rating Analysis, 1995; Lipper Analytical Services, Inc., Lipper-Directors' Analytical Data, 1995 (Quarterly). For more complete information, including charges and expenses, call 1 800 842-2733, extension 5509, for a prospectus.

Read the prospectus carefully before you invest or send money. TIAA-CREF Individual & Institutional Services, Inc., distributes CREF certificates.

## THE CALIFORNIA TECH

Caltech 40-58 SAC, Pasadena, CA 91125  
phone: (818) 395-6153  
advertising: (818) 395-6154  
e-mail: [editors@tech.caltech.edu](mailto:editors@tech.caltech.edu)  
advertising: [adv@tech.caltech.edu](mailto:adv@tech.caltech.edu)  
ISSN 0008-1582

VOLUME XCVIII, NUMBER 3  
4 OCTOBER 1996

<b>EDITORS</b> Shay Chinn Autumn Looijen Terry Moran	<b>PHOTOGRAPHER</b> Shay Chinn
<b>COPY EDITOR</b> Jacques Frecht	<b>STAFF WRITERS</b> Mason Porter Myfanwy Callahan Samson Timoner Jim Cheng
<b>LAYOUT EDITOR</b> Autumn Looijen	<b>FEATURE WRITERS</b> Jim Pierce The Technogeeks
<b>EVENTS &amp; NOTICES</b> Terry Moran	<b>CONTRIBUTORS</b> Johnathan Little Grace Yang Donna Ebenstein
<b>INSIDE WORLD EDITOR</b> Jim Pierce	<b>BUSINESS MANAGER</b> Heidi Eldenburg
	<b>ADVISER</b> Hall Daily

Published weekly except during vacation and examination periods by the Associated Students of the California Institute of Technology, Inc. The opinions expressed herein are strictly those of the authors.

Letters and announcements are welcome. All contributions should include the author's name and phone number and the intended date of publication. Submit copy (preferably on Macintosh 3.5" disk) to the Tech mailbox outside SAC room 40, or e-mail to [editors@tech.caltech.edu](mailto:editors@tech.caltech.edu). The editors reserve the right to edit and abridge all submissions for literacy, expediency, etc. All articles are the property of the authors. Authors and columnists retain all intellectual property rights. Articles received in Bin-Hex format will not be accepted.

The California Tech is distributed free. Issues will be mailed off-campus upon receipt of \$11 per year to cover third-class postage and preparation costs. Printed by News-Type Service, Glendale.

# New wall in Avery House exposes schism between students and administration

CONTINUED FROM PAGE 1

ference from the real walls. Second, there must be minimal damage to the Avery House walls, so the whole unit must be easily deconstructed, as well. Third, it had to be sturdy enough for people to lean on it, and possibly for a mounted door opening and closing. Lastly, there was an exit sign right where the wall would go, which needed to be preserved.

After a day of cogitation, I decided on a pivot-wedged construction. The actual dimensions of the wall were 111" x 96", which was made in two pieces: one 4' x 8' piece, and the L-shape around the rest of the door frame. The pieces were built off site, brought in separately, and then put up on site. Joined at the top, the two ends naturally tended to sag down, so the bottom was viced outward and a metal door flash wedged into place. Foam camper seal weather-stripping lined the outside edges which contacted the real walls, providing both a compressible layer and also preventing damage. For appearance sake, the outside face was spackled smooth (this will be the only damage when the wall comes down, by the way); the interior has a wall join stuck on with double-faced tape.

I started collecting the material around Thursday and worked furiously in the student shop cobbling together the pieces for the next couple days. The main construction materials were unfinished 2x4's and fire core drywall, and the biggest expense and difficulty was the door frame. Avery has wide metal door frames around Warnock Hersey 20-minute rated fire doors. Buying the actual frames would be prohibitively expensive, so instead I bought some finished fir 2x4's and made an imitation frame from scratch.

By early Saturday morning I was ready. The target goal was to be ready by Monday, which would require a precisely timed marathon construction. Remember that spackling, wood putty, primer, coats of paint, and coving adhesive all have drying times. This placed a lower bound on construction time of 39 hours, if everything were staged properly. I started at

9a.m. on Saturday morning and finished at 6a.m. Monday morning, working continuously through the weekend.

## THE (UN)EXPECTED REACTION(S)

At this point I need to back up and tell a "when I was a frosh" tale. When I was a frosh, if a stunt like this were pulled, it would be supported by the students, if not outright applauded. The reaction would almost follow a pattern: amazement, inquiry, advice, assistance. After the initial wonderment that someone would actually do this, intimate questions about the project would be asked, upon which some suggestions for improvement would be made (if any), and then aid would invariably be offered. In my undergraduate days, this would be a massive bonding experience, with people coming from all parts of campus to stopping by to chat and otherwise enjoy the zaniness. Consequently, I was thoroughly unprepared by some of the reaction which I received. Here are some snippets of actual conversations I [K] had with other students [S]:

S: "You should stop this, you know. This is a serious violation of the honor code."

K: <totally surprised> "And how is it a violation? Who am I taking unfair advantage of, and what is the unfair advantage I'm taking?"

S: <stumped> "I'll get back to you on this. But it is obviously a violation."

S: "Does housing know about this?"

K: "Why yes they do." [since at that time they did]

S: "Good. Because I was going to tell them what you are doing if no one else had done so already, so that they could stop you."

S: "This is illegal, and you should stop"

K: "Really?"

S: "Don't you know you have to file building permits for this sort of thing? You can't just go around building stuff like this on your own."

S: "You should stop. Annexing this space for your own personal usage is wrong."

K: "Ah, but you have yet to ask what I'll be using the space for."

S: "It doesn't matter. Fundamentally this is wrong."

Wait, wait, wait. The reactions weren't all negative; I'm merely giving you the flavor of the dissatisfaction. About half of the people who dropped by acted exactly as I thought they would. Curiously enough, all the alumni and seniors I met were very supportive and helpful, while the underclassmen were mixed in their responses. In fact, almost the entire time during the construction another alumnus was there helping me (though different ones came and went). In stark contrast, only one current undergraduate, a senior, thought of offering help. Most undergraduates helped when I asked directly, but some refused.

## PHILOSOPHY & VIEWPOINTS

I am greatly concerned by the disparate reactions. I have talked to several students and have been able to distill several strains of argument.

The primary disagreement seems to be one of collectivism vs. individualism. Most con-wall people believe that I did not have the right to act unilaterally, and should have acquired permission from "the group" before acting. People in this category feel that, on a gut fundamental level, what I did was wrong, and they fabricated other justifications to rationalize that feeling.

The same issue could be viewed in terms of individual empowerment. For example, do I have the right to put up a poster outside my room without getting permission first? I think most people would say yes, the individual is empowered to make such a decision. But what about a bookcase in the hall? That has more shades of gray. Will it block the hall traffic? Be unsightly? Who can use it? Perhaps an individual has the right to do this; perhaps he should ask permission first. Everyone draws a different arbitrary line where they feel that individuals no longer have the right

to act on their own, and it appears that the construction of a new wall falls on the "ask permission" side of most students' thresholds.

Another very cogent line of opposition employs the uniqueness of Avery House. In essence, the house is not intended to be another student house, but rather to stand apart as a central community center which also happens to house students. Thus, while a prank like this might be tolerated and even allowed to stand (pun intended) in the other houses, it was inappropriate for Avery. Considering the as yet undefined state of the house, one

*Kim: <totally surprised>  
"How is it a violation? Who am I taking unfair advantage of, and what is the unfair advantage I'm taking?"*

*Student: <stumped> "I'll get back to you on this. But it is obviously a violation."*

might argue that I am helping to define the house culture. But at the heart, this is a solid argument against the prank itself and the manner in which I executed it.

A host of secondary arguments can be posed as well, but in all honesty I think they are exactly that, secondary. Some people have stressed the newness of the house, and how much it cost. The newness was a benefit in my mind, since people still unfamiliar with the layout might not even notice the new wall and hey, you get a better match to recently painted walls. As for the \$16M, I am decidedly unimpressed with monetary arguments. There are more important things in life than money, and moreover, I haven't done any financial damage to the house.

This situation can also be viewed in terms of responsibility, which is the way I see it. Responsibility has at least two flavors: thinking through your actions beforehand, and accepting the consequences afterward. For example, the practical mechanics of the honor system is formed on the premise that all the students will act responsibly. That means they will be considerate of others before they act, and will further accept corrections of their actions if they have acted unfairly. Note that an honor system would not work with irresponsible people.

[I feel compelled to mention something at this point. After the spectre of an honor code violation was raised, I have given much hard thought to whether it was or not. After several discussions with former Board Of Control members and others, I have come to the conclusion that it was not. The prank was exotic, extravagant, and perhaps inadvisable, but not a violation that I can see. If anyone can come up with a reason why it was an infraction of the honor code, I encourage them to contact to the Graduate Review Board, which is

the graduate student analog of the BOC.]

I would also like to mention a very common misconception about responsibility. Responsibility does not necessarily imply conformity. Many people associate responsibility with the "fine upstanding citizen of the community", which almost always translates to "a paragon of normalcy". There are very responsible eccentric people, and very irresponsible people in the mainstream. Responsibility is a product of conscious and deliberate thought, not the following of rules. A person can be totally responsible though he consistently acts in a fashion deemed unnatural by the group.

The basic disagreement can be projected along this responsibility spectrum. To some degree, I feel that Caltech students are responsible individuals. I feel that, because of this assumption of responsibility, each student has the right to the self-determination of his actions, moderated by the input and ideas of others. They are there-

fore privileged to act unilaterally, insofar as they consider their actions beforehand and fully accept the consequences afterwards. However, it appears that many people (students included!) are starting from the assumption that students are irresponsible, and further should not act for themselves without explicit consensual agreement.

## THE OFFICIAL RESPONSE

Considering my inaccurate prediction of student response, I am greatly comforted that the administrative officials acted much the way I thought they would. The point man was the RA, who dropped by on Saturday and asked me to stop my project. I respectfully declined, and he told me that if I ignored the warning he'd be forced to contact housing. I encouraged him to do so.

The next person to visit was Biff Yamazaki from the housing office. He pointed out that I should be prepared for the worst. Housing might rip the wall down on Monday and charge me for the expense. I thanked him for the heads up and mentioned that, if I were consulted about the job, the wall could be taken down with minimal damage. Then we chatted for awhile about random stuff.

On Monday came the official visit by Tom Mannion (the Director of Housing / head of who-knows-how-much-else, and all-around cool guy) and Linda Chappell (Graduate Student Housing Coordinator, all-around cool gal). The wall was completed by this time, and they were impressed. Linda said she didn't even know it was a new wall when she walked by, and Tom said it was a great job.

Then Tom asked me why I put the wall up and I explained that I wanted to make a reading room out of it, but I didn't want the comics and books to be unsecured. He paused and thought, and said that



CONTINUED ON PAGE 4

# Is Caltech losing its quirky spirit? Do we want it back?

CONTINUED FROM PAGE 3

he might be able to get some type of secure shelves for the alcove. However, the wall would have to come down, because the house was still being inspected by outside contractors. Note that his compelling reason for taking the wall down was that people outside the Caltech community would see it (and Caltech could potentially catch hell if an inspector saw a newly installed non-permitted wall).

He then asked me to take the wall down myself. Further note that he would have been totally justified in having workmen take it down and charging me, but he not only was trying to save me money but also trusted me to restore things to their original state. Since things were then in an uproar, he asked to have it down as soon as possible. That was impractical for me, and he generously granted me until next weekend. (By the way, I think I'll have a wall disassembling get-together Saturday starting around noon. Everyone's invited!)

## ANOTHER WALL'S GENESIS

I'd like to stress just how understanding the administration was in handling this. While I was building the wall, many of the students thought I would be kicked out of the school for pulling such a stunt, and I have indeed heard that several administrators wanted my crucifixion (especially those intimately involved in the arduous process of making Avery House happen, and thus having a large emotional stake in their "baby"). But the official representatives were nice, reasonable, and in all cases as cordial as they've always been.

To me, this illustrates how anthropized the student-administration relationship has become, and most importantly, the misconceptions both sides have about each other. In particular, most students seem to feel that the administration is "out to get them", or at least "not on their side." When I was an undergraduate, there was a very good feeling between students and administrators.

Then there were a sequence of events which seemed to hurt the relationship. The Dabney incident et. al. seemed to demonstrate that students were irresponsible and did need some type of policing. An incendiary MOSH set the students aflame with his attitude and policies. Around the same time, several well-loved administrators (such as Dean Brennen) moved on, to be replaced en masse by a whole batch of new and inexperienced officials. And then Interhouse, which had long been an event when all students, administrators, faculty, and staff could get together and enjoy themselves, came to an inglorious end. (Of course, many people today might not even know what I'm talking about! Suffice it to say these form a sequence of ill-timed events which effectively sundered student and administrative harmony.)

It really disturbs me when I hear students today talk about how

the administration "took Interhouse away from the students." Dudes, you weren't there. Dozens of people outside the Caltech community came in and trashed the campus. The administration made superhuman efforts to try to preserve the tradition: their last attempt was to install a fence around the whole undergraduate housing complex, patrol it, and only admit those people with invitations. They did everything they could to keep

*When I was a frosh, if a stunt like this were pulled, it would be supported by the students, if not outright applauded.*

Interhouse going, and it was when the students themselves seemed to feel that Interhouse was a liability that they stopped trying. Ask alumni who were there for the last two Interhouses, and I'll bet that 80% will say that not only was the administration justified in their decision but also that they personally endorsed it.

From my point of view, I have difficulty understanding the animosity of students toward the administration. I've found the officials at Caltech to be friendly and helpful people, with many genuinely concerned about student welfare. They have (with rare exceptions) been receptive to ideas, helpful to the students, and otherwise composed, considering they are trying to run an asylum of whacked-out student nut-cases. Just by talking with administrators I've effected course changes and large-scale alterations in public policy. They've always listened to me, and in many cases, acted upon the substance of my suggestions. Virtually

*"Some people might feel you should be punished for this, but things just aren't done that way at Caltech."*

—TOM MANNION  
DIRECTOR OF HOUSING

all the interactions I've had with the faculty, staff, and administrators of the school have been positive. Even now.

Let me reiterate this point. I've just pulled what, in this day and age, seems to be a heinously insane and socially irredeemable prank. Did an administrative iron fist come crashing down on me? No. Was I subjected to harassment by administrators? No. Have I been charged or penalized for my actions? No. Tom Mannion sums it up nicely: "Some people might feel you should be punished for this, but things just aren't done that way at Caltech."

## THE HYPOTHESIS

I have therefore formed a hy-

pothesis as to the origins of the backlash I experienced about this wall. When I was an undergraduate and Dr. Everhart became president of the school he made a comment in his inaugural address which seems particularly prophetic. I don't remember the exact words, but the gist was that he felt the spirit of ingenuity typified by the grandiose pranks of the past (like the Rose Bowl or Hollywood sign) seemed to be disappearing from the Caltech culture, and that it was a unique and special tradition worthy of preservation. [DISCLAIMER: I'm not saying that he supports this RF. In fact, he probably thinks my wall was a bone-headed maneuver of the first degree!]

A series of unfortunate circumstances caused a wall to form between the administration and students. At some point, probably with good reason, administrators stopped believing the students were responsible individuals and became interested in setting down explicit rules and regulations for them to follow. At some point, probably with good reason, the students felt the administration was curtailing student liberties and no longer was acting in their best interests. As time went on both sides were inclined to distrust one another, because a history of discontent had built up.

As a consequence, endeavors like my wall no longer meet with approval of either the administration or the students. They fall too far outside the typical experience of both groups nowadays, except for those people like myself who have been here for a long time (perhaps too long) and alumni from previous years. If I really offended anybody with my stunt, I apologize. I was acting with obsolete information; I honestly thought this would be a social bonding experience, as opposed to the social controversy that it has apparently become.

Supposing this hypothesis were true, then one could make some modest, verifiable predictions. RFs have seriously declined in the last 2-3 years, or maybe even been non-existent. Administrators have developed a predilection toward rules and regulations, with an eye toward liability and control. Students have become spiteful hindrances, opposing even the best-intentioned actions merely because administration puts the idea forth. Strata have developed, with older people in the community essentially approving of "grand endeavors" and newer people perhaps approving, perhaps disapproving. I've personally verified the existence of this latter phenomenon; I'm willing to bet that the former ones have occurred as well.

## WHICH WALL SHOULD COME DOWN?

So at the last I pose some questions to the reader. Which wall should come down? Am I part of a dying breed... which should remain

dead? I am faced with the grim prospect that perhaps the wall between the students and administration is something that, during my time in the real world, has been implicitly agreed upon by both students and administration as how they want to interact. In that case, my efforts are misguided, disruptive, and to some degree, wrong. Rather than representing the rejuvenation of a desirable spirit of innovation, I would be a dinosaur from a bygone era. The climate has changed, I am subject to inevitable extinction, and the community might be a better place with my passing.

I believe in student / administration harmony with the primary responsibility being placed on the students. This carries the liberty to perform grand pranks like this wall with the encouragement and protection of the administration, but also the stiff constraint not to abuse the freedom or take advantage of the administrators' good will. It further means that it is the students' responsibility to correct problems

*In the previous era from which I hail, this prank would not end with the wall coming down. ...it would be a game, with the housing office having fun anticipating what the students might come up with next, and the students employing the utmost of their creativity.*

which occur in the relationship between them; the onus does not lie solely on the administrators, where it has been placed de facto. (From my standpoint the administration is living up the their end and seems to be taking several initiatives to improve communication both with and among the students).

In the previous era from which I hail, this prank would not end with the wall coming down. This weekend a set of jail bars would go up (making a number of ambiguous and hopefully amusing statements), which I would be asked to take down. A series of successively less objectionable dividers would be installed (glitter beads from the 60's? a fluttering crepe paper curtain?) until something was mutually agreeable to both students and housing. In that day, it would be a game, with the housing office having fun anticipating what the students might come up with next, and the students employing the utmost of their creativity. Most importantly, there would be no call for animosity on either side.

But I have the warning feeling that in this place and time, it would be viewed as a protest which needs to be stomped out swiftly and surely, and could potentially ignite a war between students and administration. This is the last thing in

the world that I would possibly want, and thus I have decided to open this issue up for public evaluation (as opposed to the unilateral continuation described above, which would be my first instinct). Without an accurate picture of the current atmosphere here, I feel the best course of action is to quietly take down my wall.

After all, I am responsible for it.

I am greatly interested in hearing input and opinions about these matters. I encourage all members of the Caltech Community to share their ideas with me, with the others around them, or in a public forum like the *California Tech*. My webpage, <http://www.ugcs.caltech.edu/~kel/>, contains numerous contact points; the best way to reach me is via e-mail at [kel@alumni.caltech.edu](mailto:kel@alumni.caltech.edu). Articles to the newspaper can be submitted via [editors@tech](mailto:editors@tech) by Tuesday for the Friday edition.

If a return to the social paradigm founded on student responsibility is deemed desirable, then I will expend whatever effort is necessary to resurrect that climate. But if responses are mixed or people have good arguments against the return of such a social dynamic, then I will nostalgically recall the grand old days... and move on.

## A PARTING POEM

After hearing about this incident, another alumnus shared this poem with me. It may or may not have any relevance, but it is inspiring nonetheless. :-)

## The Things That Haven't Been Done Before

The things that haven't been done before,

Those are the things to try;  
Columbus dreamed of an unknown shore

At the rim of the far-flung sky,  
And his heart was bold and his

faith was strong

As he ventured in dangers new,  
And he paid no heed to the jeering throng

Or the fears of the doubting crew.

The many will follow the beaten track  
With guideposts along the way.

They live and have lived for ages back  
With a chart for every day.

Someone has told them it's safe to go  
On the road he has traveled o'er,  
And all that they ever strive to know  
Are the things that were known before.

A few strike out, without map or chart,

Where never a man has been,  
From the beaten path they draw apart

To see what no man has seen.  
There are deeds they hunger alone to do;

Though battered and bruised and sore,

They blaze the path for the many, who  
Do nothing not done before.

The things that haven't been done before

Are the tasks worthwhile today;  
Are you one of the flock that follows, or

Are you one that shall lead the way?  
Are you one of the timid souls that quail

At the jeers of a doubting crew,  
Or dare you, whether you win or fail,  
Strike out for a goal that's new?

—EDGAR GUEST

## POP QUIZ

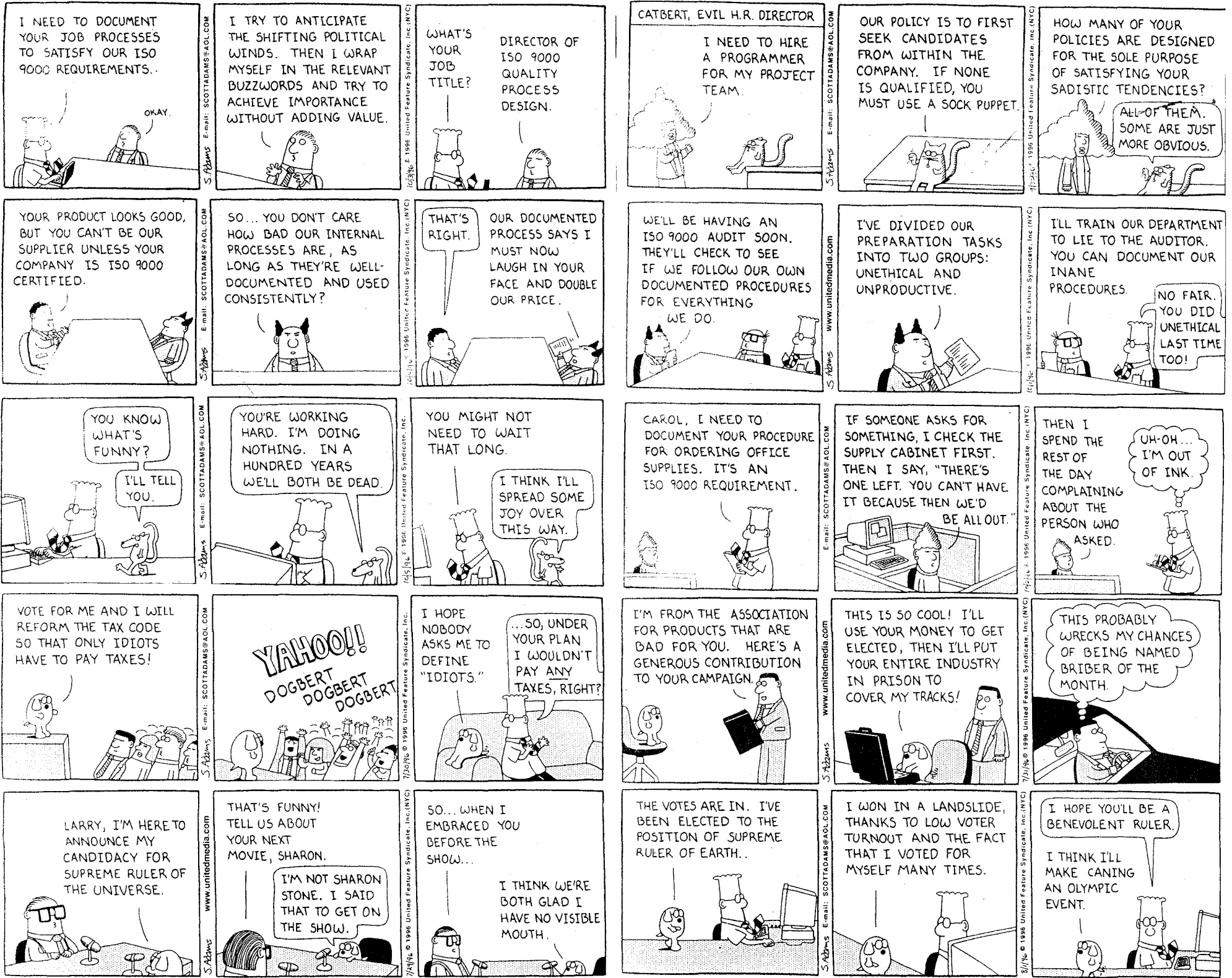
- 1** You could get a behind-the-scenes look at the *Rock and Roll Hall of Fame and Museum* by:
- (A) bribing your roommate's mother's secretary's gardener's cousin who works there.
  - (B) dyeing your hair and covering yourself with tattoos.
  - (C) dialing 1 800 CALL ATT for collect calls.
- 2** You could get your hands on \$10,000 by:
- (A) moving to Texas and sucking up to an oil tycoon.
  - (B) buying a lottery ticket and praying really hard.
  - (C) dialing 1 800 CALL ATT for collect calls.

Hey, this is one quiz you might actually ace. Complete a collect call with 1 800 CALL ATT, and you could instantly be one of ten winners of a week-long, behind-the-scenes look at the *Rock and Roll Hall of Fame and Museum*. Plus \$10,000. Or one of thousands of other great prizes. And prizes are awarded every hour. So pull an all-nighter—on the phone with your mom.

**1 800 CALL ATT®**

**It always costs less than 1-800-COLLECT.**





You want to be the first to \_\_\_\_\_

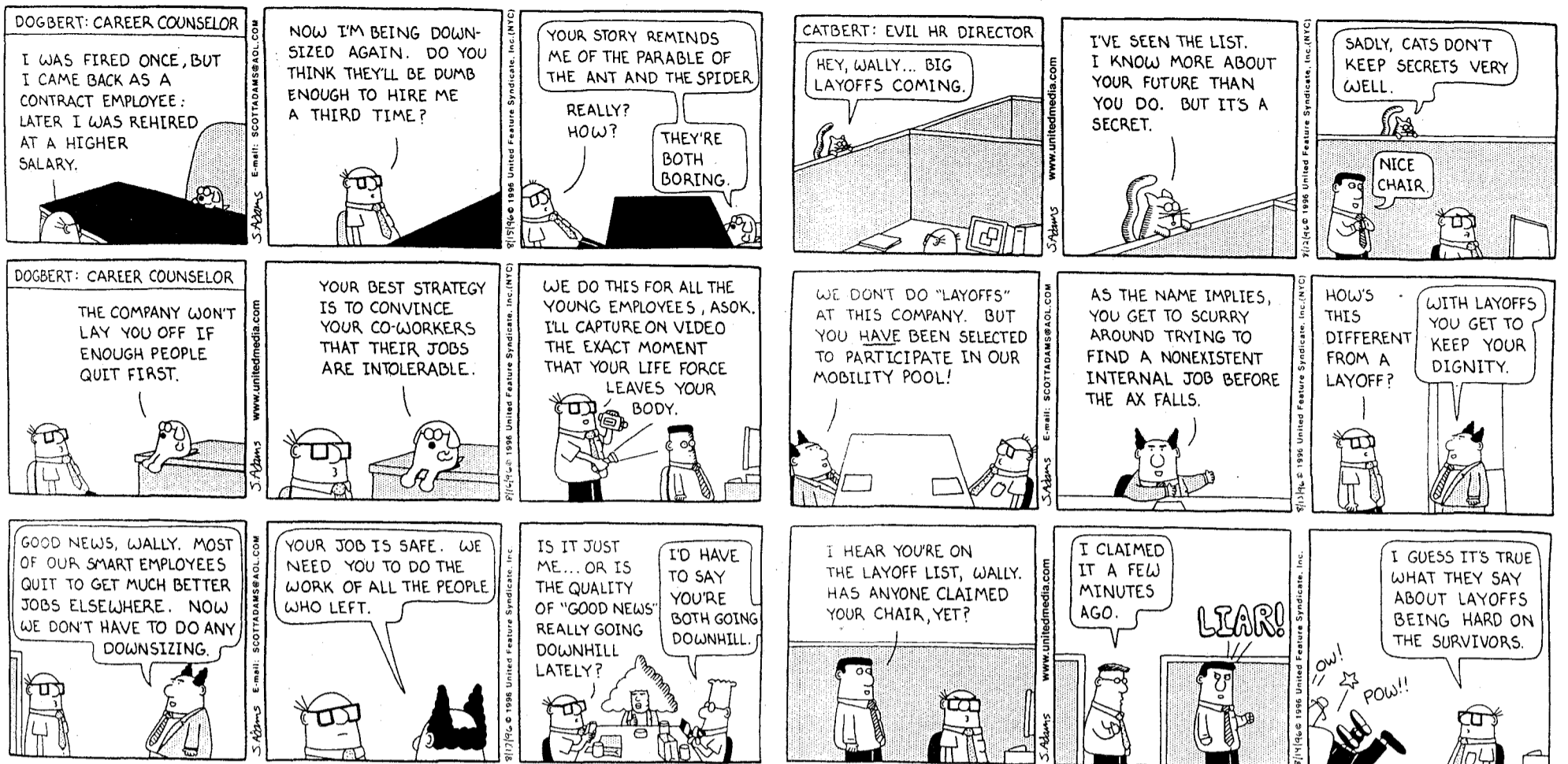
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Macintosh. More flexible than ever.**  
We don't know how you'll fill in the blank. That's why we make Macintosh computers so flexible. To help you be the first to do whatever you want to do. And with word processing, easy Internet access, powerful multimedia and cross-platform compatibility, a Mac makes it even easier to do it. How do you get started? Visit your campus computer store today and pick up a Mac.

**Leave your mark.**



## MAXTECH YESBOOK

**We Took The "NO" out of Notebook**

- Intel Pentium processor, 256KB PB cache
- Max. 40 MB RAM (Use standard DIMM)
- 6X CD-ROM Drive
- 1.44 MB floppy drive
- PCMCIA Type 4 slot
- Removable HD (Up to 2 GB)
- 16-bit sound card, 2 speakers & mic
- PCI accelerator w/2 MB video RAM
- 11.3" DS or Active 800X600 display
- Touch pad & Infra-red port
- Windows 95 keyboard
- Rechargeable NiMH battery
- 7 lbs. with battery
- Composite TV video output
- Universal AC adapter & deluxe carrying bag

**P-133 MHz, 16MB, 1.3 GB HD  
11.3" ACTIVE COLOR  
6X CD-ROM DRIVE  
WINDOWS 95  
Only \$2699**

**P-75 MHz, 16MB, 540 MB HD  
11.3" DUAL SCAN COLOR  
6X CD-ROM DRIVE  
WINDOWS 95  
Only \$1999**

**Affordable  
Powerful  
Reliable**

"If you're looking for a bargain-priced high-end machine, consider MaxTech's YesBook Model X753....The YesBook performed well on most of our benchmark tests."  
PC Magazine, 8/96

## PCI MULTIMEDIA PRO

- INTEL Pentium processor w/ fan
- 256K Pipelined Burst Cache, Triton chipset
- 16 MB EDO RAM expandable to 128 MB
- TEAC 1.44 MB floppy drive
- 2.0 GB EIDE hard drive
- PCI Enhanced IDE HD controller
- Matrox MGA Millennium w/2 MB WRAM
- Viewsonic 17GS 1280X1024 monitor .27 dp
- Flat screen, Low-radiation (3 yr parts & labor)
- 2 high speed serial, parallel, & game ports
- Enhanced 104 key keyboard
- Medium tower case w/230 Watt
- Microsoft or Logitech mouse
- Sound Blaster 32 Wavetable PnP
- Toshiba 8X CD-ROM drive
- 160 Watt Hi-Fi speakers w/DSP

P-200 MHz	\$2369
P-166 MHz	\$2119
P-150 MHz	\$1999
P-133 MHz	\$1919
P-120 MHz	\$1839

*Best Selling*

## PCI MULTIMEDIA PLUS

- INTEL Pentium processor w/cooling fan
- 256K Pipelined Burst Cache, Triton chipset
- 16 MB EDO RAM expandable to 128 MB
- TEAC 1.44 MB floppy drive
- 1.6 GB EIDE hard drive
- PCI Enhanced IDE HD controller
- Stealth 3D w/2 MB EDO DRAM
- Proton 17" 1280 X 1024 monitor .28 dp
- Flat screen, Digital control, Low-radiation
- 2 high speed serial, parallel, & game ports
- Enhanced 104 key keyboard
- Medium tower case w/230 Watt
- High resolution mouse
- Sound Blaster 16 PnP
- Toshiba 8X CD-ROM drive
- 140 Watt Hi-Fi speakers

P-200 MHz	\$2049
P-166 MHz	\$1799
P-150 MHz	\$1679
P-133 MHz	\$1599
P-120 MHz	\$1519

*Best Buy*

## B.I.T Multimedia Ultrabook™

**12.1" Active Color**

- Intel Pentium processor
- 256KB Pipelined Burst Cache
- EDO memory upgradable to 32 MB
- Removable 6X CD-ROM
- Removable 1.44 MB floppy drive
- PCMCIA Type IV slot
- Removable HD (Up to 2 GB)
- 16-bit sound card, 2 speakers and mic
- PCI accelerator w/ 2MB Video RAM
- 12.1" TFT 800X600 display
- Touch Pad & Infra-red port
- High speed serial, EPP/ECP parallel ports
- KB, monitor, docking station & game ports
- Rechargeable NiMH battery
- Universal AC adapter & Deluxe carrying bag

**P-133 MHz, 16MB, 1.3 GB HD  
12.1" ACTIVE COLOR  
6X CD-ROM DRIVE  
WINDOWS 95  
Only \$3099**

## PCI MULTIMEDIA

- INTEL Pentium processor w/ fan
- 256K Pipelined Burst Cache, Triton chipset
- 16 MB EDO RAM expandable to 128 MB
- TEAC 1.44 MB floppy drive
- 1.3 GB EIDE hard drive
- PCI Enhanced IDE HD controller
- ATI Mach 64 or Stealth 64 w/1 MB DRAM
- Proton 15" 1024 X 768 NI monitor .28 dp
- Flat screen, Digital control, Low-radiation
- 2 high speed serial, parallel, & game ports
- Enhanced 104 key keyboard
- Medium tower case w/230 Watt
- High resolution mouse
- 16 bit sound card
- Quad-speed (4X) CD-ROM drive
- 140 Watt Hi-Fi speakers

P-166 MHz	\$1419
P-150 MHz	\$1299
P-133 MHz	\$1219
P-120 MHz	\$1139
P-75 MHz	\$1089

*Special*

## PRO 200 MHz SUPREME

- INTEL Pentium Pro processor w/ fan
- 256K non-blocking L-2 cache built-in
- 32 MB EDO RAM expandable to 256 MB
- TEAC 1.44 MB floppy drive
- 2.1 GB fast SCSI-2 hard drive
- Adaptec 2940 PCI HD controller
- Matrox MGA Millennium w/4 MB WRAM
- Viewsonic 17PS, 1600X1280, .25 dp
- Flat screen, Digital control, Low-radiation
- 2 high speed serial, parallel, & game ports
- Enhanced 104 key keyboard
- Medium tower case w/230 Watt
- Microsoft or Logitech mouse
- MaxTech 33.6 Kbps V.34+ Fax/Modem
- Sound Blaster 32 Wavetable PnP
- Toshiba 8X CD-ROM drive
- 160 Watt Hi-Fi speakers w/DSP

**Special  
Only \$3149**

## TGG (818) 795-6112

Fax: (818) 795-6320  
M-F 9:30-6  
SAT 10-5  
1154 E. Colorado Blvd.  
Pasadena, CA 91106 (between Lake & Hill Ave.)

**One year parts & labor warranty**  
30 Days Money Back Guarantee  
15% restocking fee on non-defective parts  
On-site Service, Delivery & Setup, Training  
Extended Warranty Available

Limited rights reserved. This ad is not an offer. Prices & specifications subject to change without notice. Not responsible for typographical errors.

Visit your campus computer store for the best deals on a Mac.

Campus Computing Organization  
Room 158 Jorgensen Building  
Phone (818) 395-4612  
<http://www.caltech.edu/~cco-front/frontofficeinfo.html>  
Free one-year Apple warranty.

<b>Power Macintosh 7200</b> PowerPC™ 601/120 MHz/16MB RAM 1.2GB/4X CD-ROM/15" display	<b>PowerBook 190cs</b> 66 MHz/8MB RAM/500MB backlit, dual-scan, color display	<b>Color StyleWriter 2500</b> 720x360 dpi
---	---	--

Offer expires October 11, 1996. ©1996 Apple Computer, Inc. All rights reserved. Apple, the Apple logo, AppleCare, LaserWriter, Mac, Macintosh, Performa, PowerBook, Power Macintosh and StyleWriter are registered trademarks of Apple Computer, Inc. PowerPC is a trademark of International Business Machines Corporation, used under license therefrom.

# TI announces \$100,000 '97 DSP Solutions Challenge Competition

Texas Instruments (TI) announced Sept 25 that it will hold the 1997 DSP Solutions Challenge, its second engineering student design competition with an unparalleled grand prize of US\$100,000, to motivate and encourage expertise in digital signal processing.

The TI Challenge is a competition that brings together university students from all over the world to develop new or innovative products utilizing digital signal processors (DSPs). The US\$100,000 grand prize will be divided among the members of the winning team.

DSPs, credited with revolutionizing products to make life easier, are impacting electronics like microprocessors impacted computers. DSPs are the brains of many products such as cellular phones, automobiles, computer hard disk drives, and digital answering machines. The complete DSP solutions provided by TI, the world's leading DSP provider, are changing the way people live, learn, work, and play.

The competition entry requires an original TMS320 DSP-based design, which must operate as a functional application. This skills-based competition is open to full-time university students at the undergraduate, graduate, or Ph.D. level.

- Competition dates: October 1, 1996 to October 31, 1997.
- Abstracts due: May 31, 1997.

- Final Projects due: October 31, 1997.
- The grand prize winning team will be announced in May, 1998.

The 1995 Challenge, the first-ever worldwide competition of its kind, received 230 entries from more than 700 students in 26 countries. Two students from Singapore's Nanyang Technological University shared the grand prize of US\$100,000 in May, 1996, for their design of a video restoration system which can take old, poor quality films and digitally clean them for archiving and re-release. The other two finalist teams, each receiving \$10,000, were from France's Ecole Francaise d'Electronique et d'Informatique and the University of Maryland.

"The '95 TI Challenge was a huge success. We believe the '97 Challenge will attract an even greater number of participants than we had for the '95 competition," said Torrence Robinson, TI's Semiconductor Group university program manager and competition coordinator.

"As DSPs have become increasingly prevalent in end-equipments, digital signal processing has become a critical skill for students to possess in a more competitive job market. The competition provides a perfect venue for them to demonstrate their DSP talents," he added.

According to Robinson, winners of the '97 competition will be chosen with respect to the merit of the design and the educational level of the team members. Merit is based on, among others, inventiveness, practicality, and difficulty of the chosen application.

In addition to the US\$100,000 awarded to the grand prize winner, the three teams which make their way to the finals will receive US\$10,000, and the nine regional semi-final teams will each receive US\$1,000. The advising professor of the grand-prize winning team also receives US\$15,000 and an opportunity to work at TI for a six-month sabbatical.

Also, just by being a participant in the competition, TI plans to include participating student resumes in a DSP resume database service.

This service is expected to provide prospective employers with resumes of students with DSP experience who can fill summer, co-op, and full-time positions.

For complete rules and conditions, students should contact their university electrical engineering department, or contact Texas Instruments at 1-800-477-8924, ext. 4061 or via TI's World Wide Web site at [http://www.ti.com/sc/dsp\\_challenge](http://www.ti.com/sc/dsp_challenge). To request more information about the competition, students can also send e-mail to [univ@msg.ti.com](mailto:univ@msg.ti.com).

# Jabberwock to play on campus October 11

Pasadena band Jabberwock will entertain Caltech students next Friday, October 11, at noon in front of Winnett Student Center, as part of an ongoing series of noon concerts.

Jabberwock was formed in 1992 and is based in Pasadena.

The band's music spans various styles and genres, but is probably best described by that catch-all buzz phrase, alternative rock.

Jabberwock consists of

three members: Todd Jameson, Dave Rodgers, and Wishnefsky.

Todd plays keyboards and sings lead vocals on a few of the songs. He is originally from Los Alamos, New Mexico, best known for housing the National Laboratory which produced the first atom bombs. Who knows, perhaps it was the fallout radiation that turned Todd into an artistic renegade who started playing keyboards, singing, and writing poetry as a teenager. He eventually earned degrees in Visual Arts and English Literature. He started composing songs with Wishnefsky as soon as they met in the 1980's.

Dave plays drums. He grew up in the San Fernando

Valley and continues to reside there notwithstanding drive-by shootings, car-jackers, and endless strip centers. His musical career began when, as a shy youngster, he conjured up his first drum kit from cardboard boxes and trash can lids. He eventually graduated to legitimate percussion and began playing in various ensembles and bands. He met Wishnefsky in high school and they have been playing music together ever since.

Wishnefsky plays guitar, bass, and keyboards, and sing lead on most of the material. He was born and raised in Los Angeles, California. He started taking piano lessons at age five, and composed his first song, some sort of rhythmic tribal chant, soon thereafter. He added guitar to his arsenal at age ten. In the late 1980's, Wishnefsky experienced a period of temporary insanity and went to law school, from whence he emerged with a licence to steal and an unbridled desire to compose music lyrics.

When Jabberwock play live, they are joined by guest musicians Archie Frigon (bass) and Stephen Bock (guitar and backing vocals).

*Dave conjured up his first drum kit from cardboard boxes and trash can lids.*

# National Research Council seeks postdoctoral and senior research associates

The National Research Council announced the 1997 Resident, Cooperative, and Postdoctoral Research

Associateship Programs to be conducted on behalf of over 100 research laboratories throughout the United States representing nearly all U.S. Government agencies with research facilities. The programs provide opportunities for Ph.D. scientists and engineers of unusual promise and ability to perform research on problems largely of their own choosing, yet compatible with the research interests of the sponsoring laboratory. Initiated in 1954, the Associateship Pro-

grams have contributed to the career development of over 7500 scientists ranging from recent Ph.D. recipients to distinguished senior scientists.

Approximately 350 new full-time Associateships will be awarded on a competitive basis in 1997 for research in chemistry; earth and atmospheric sciences; engineering, applied sciences, and computer science; life, medical, and behavioral sciences; mathematics; space and planetary sciences; and physics.

Most of the programs are open to both US and non-US nationals, and to both recent doctoral recipients and senior investigators.

Awards are made for one or two years, renewable for a maximum of three years; senior applicants who have held the doctorate for at least five years may request shorter periods. Annual stipends for recent Ph.D.'s for the 1997 program range from \$30,000 to \$45,500, depending upon the sponsoring laboratory, and will be appropriately higher for senior Associates.

Applications submitted to the National Research Council are accepted on a continuous basis throughout the year. Those

postmarked no later than January 15 will be reviewed in February, by April 15 in June, and by August 15 in October. Initial awards will be announced in March and in April — July and November for the two later competitions — followed by awards to alternate candidates later.

Information on specific research opportunities and participating federal laboratories, as well as application materials may be obtained from:

National Research Council Associateship Programs (T 2114/D1)  
2101 Constitution Ave NW  
Washington, DC 20418  
or  
[rap@nas.edu](mailto:rap@nas.edu).

## CLASSIFIED ADS

### FOR SALE—

1980 MAZDA GLC 4sp wagon. Looks good. Runs well. Great transportation. Original owner. \$895. x3866 or (909) 592-0727.

### SERVICES—

**AIKIDO: MARTIAL ART OF MOVEMENT** & power. On-going adult classes evenings and Saturday AM near Caltech campus. Southland Aikido offers USAF certified instruction. Also featuring Saturday Aikido for Kids classes. For more info call (818) 441-8895.

**ATTN: MBA, MEDICAL & OTHER GRAD** school applicants! Frustrated developing/editing those critically-important personal statements? Get a major competitive edge with professional help from nationally-known author/consultant. (310) 826-4445.

**VACUUM PUMP REPAIR SERVICE CO.** "Service Is Our Business." (818) 472-7777 We service most brands of pumps, including complete remanufacturing. All metal parts are resurfaced where needed. Pick-up and delivery available.

**RATES** . . . . . \$4.00 for first 30 words; . . . 10¢ for each additional word. Send written ad with payment to 40-58. Deadline is 6 p.m., Monday before issue. No charge for on-campus lost & found.

## LAEMMLE THEATRES

### ESQUIRE

2670 E. Colorado Blvd.  
(818) 793-6149

Mike Leigh's

## SECRETS & LIES

Daily 5:00, 8:15 p.m.  
Sat-Sun Bargain Matinee 1:30 p.m.

### COLORADO

2588 E. Colorado Blvd.  
(818) 796-9704

## BIG NIGHT

Daily 4:25, 7:00, 9:30 p.m.  
Sat-Sun Bargain Matinee 1:50 p.m.

## SCHOLARSHIPS SCHOLARSHIPS

**Do You Need Money For School?** Introducing the only 3.5" IBM diskette with over 350 major organizations ready to award over 6,000+ grants, scholarships, fellowships & no-interest loans. \$500 - \$15,000. These funds are available to anyone attending any University, College or Trade School. Study for any career from **accounting-zoology**. \$19.99 TNT, Dept. 17, PO Box 751052, Houston, TX 77275

## Rag Time on Green

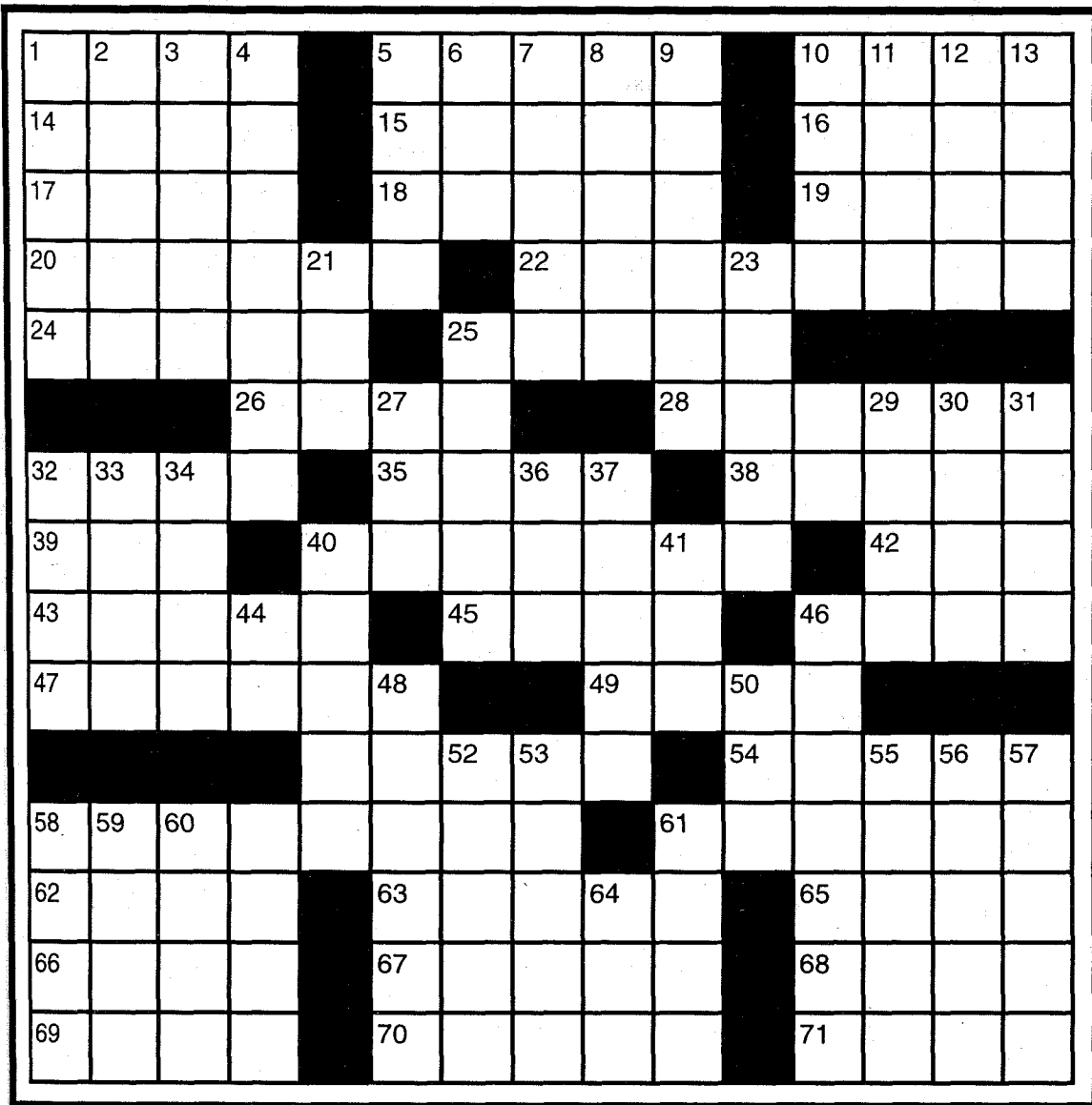
RESALE CLOTHING for WOMEN

1136 E. Green St. • Pasadena  
(818) 796-9924

Wed 10-6 • Mon-Tue-Thu-Fri 10-5 • Sat 10-3



CROSSWORD



- ACROSS  
 1. Quants.  
 5. Torso section  
 10. Spear  
 14. Almost raw  
 15. Himalayan spitter

16. "Aladdin"'s parrot  
 17. Suffix to kin or synth  
 18. Type of accountant or snake  
 19. Neuron's pathway  
 20. Make it a skit

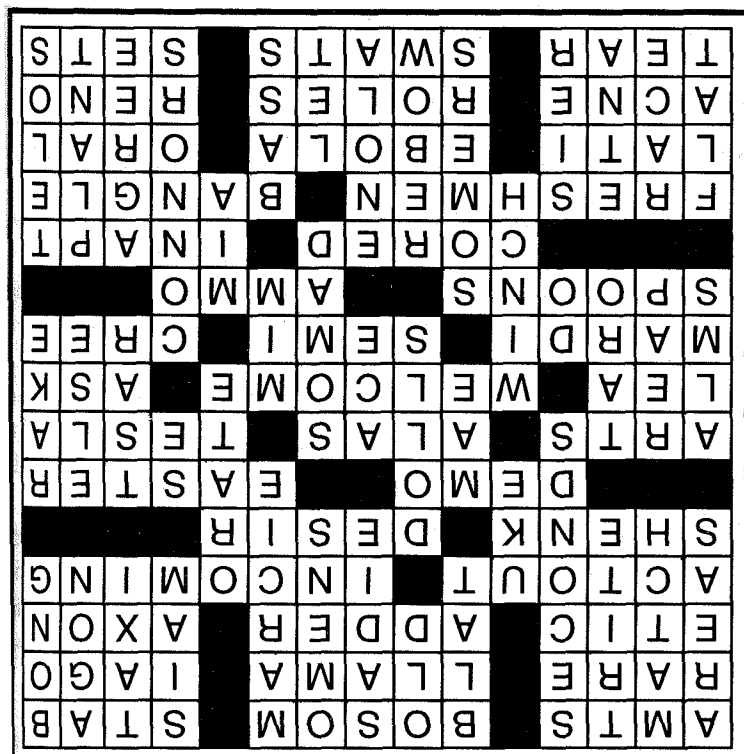
22. With 58-across, recipients of 40 across  
 24. Famous puzzle maker Mike  
 25. Sandman's sibling  
 26. Show, for short

28. Spring Sunday  
 32. Liberal \_\_\_\_  
 35. "Oh, what a shame!"  
 38. Unit of magnetic flux  
 39. Caroline in the city  
 40. Message to 22-across 58-across  
 42. Pose a question  
 43. \_\_\_\_ Gras  
 45. Half of  
 46. Saskatchewan aborigines  
 47. Variant of "Musical Chairs"  
 49. Magazines or clips, e.g.  
 51. Had sex with, in slang  
 54. Not appropriate  
 58. See 22-across  
 61. Hair binder  
 62. Opposite of long.  
 63. Deadly African virus  
 65. By word of mouth?  
 66. Pimples  
 67. What actors play  
 68. Attorney General Janet  
 69. Rip  
 70. What one does to a fly  
 71. Adjusts a clock

DOWN

1. Places  
 2. Striker  
 3. Cliched  
 4. Unit used in all physics textbooks  
 5. Unsuccessful toot  
 6. Of age  
 7. Bette Midler's character in "Big Business"  
 8. Premonitions  
 9. Pal of "Peppermint"

- Patty  
 10. Mazel, e.g.  
 11. Where DeVito was dispatcher  
 12. Sided figure?  
 13. Bell's sound  
 21. Hawaiian banjo, for short  
 23. Make a speech  
 25. Makes gaseous  
 27. W.C.'s West  
 29. Rasputin's boss  
 30. Otherwise  
 31. Grab the chips  
 32. Poor stuff  
 33. Grab the souls  
 34. Most common Japanese name  
 36. A diamond, for example  
 37. "You make me \_\_\_\_"  
 40. Windlass  
 41. Character from Disney's "Sword in the Stone"  
 44. File  
 46. Man who got lots of 71-across, 2-downs, and especially 36-downs...  
 48. Star of "Devil's Food"  
 52. Kowtow again  
 53. Gay, bomber of Hiroshima  
 50. Some POWs  
 55. Consent  
 56. Infiltrator  
 57. Death, for example  
 58. Pad  
 59. Compete  
 60. Sicilian volcano  
 61. Low note  
 64. Allow



THE WATSON FELLOWSHIPS

REMINDER TO INTERESTED SENIORS:

A one to three-page project proposal draft for the Watson Fellowships is due in the Fellowship Office, Room 25 of the SAC, on **MONDAY**, October 7, 1996. Keep in mind that successful proposals generally have a single topic of study or investigation that reflects a student's long-standing interest in that area.

The Watson Foundation provides fellowships of \$18,000 for a year of independent study and travel after graduation. They are designed to encourage an informal break in the normal sequence of undergraduate-postgraduate education and are a marvelous opportunity to travel outside of North America. Caltech nominates 2 seniors each year for this fellowship.

Insecurity Bulletin

This is fiction, folks.

Suspected Car Robbery

Man seen taking one rust colored 1987 Toyota Tercel station wagon. Witness saw suspect jimmying open said car at 3 a.m. Tuesday,

October 1st. Suspect described as a large, scruffy man with a blue mohawk. Suspect considered unarmed and clueless. If you have more information, please contact The California Tech Insecurity department, x6153.

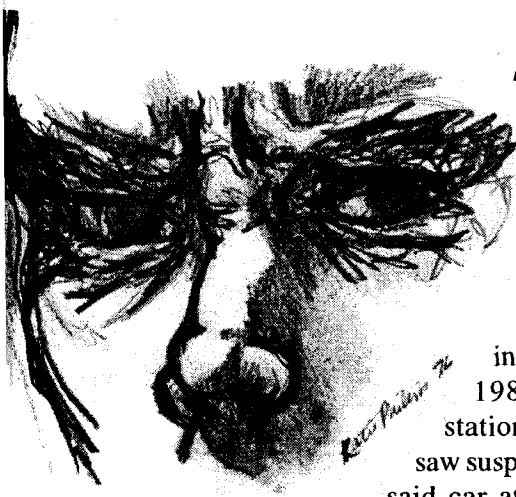
Alert students save B&G maintance staff.

While tunneling towards East Bridge to turn in their physics quizzes, three alert students (J.R. Mole, Ted Rivette, and Boyam I. Smart of Chem 1c fame) heard the cries for help from a B&G Maintance staff member.

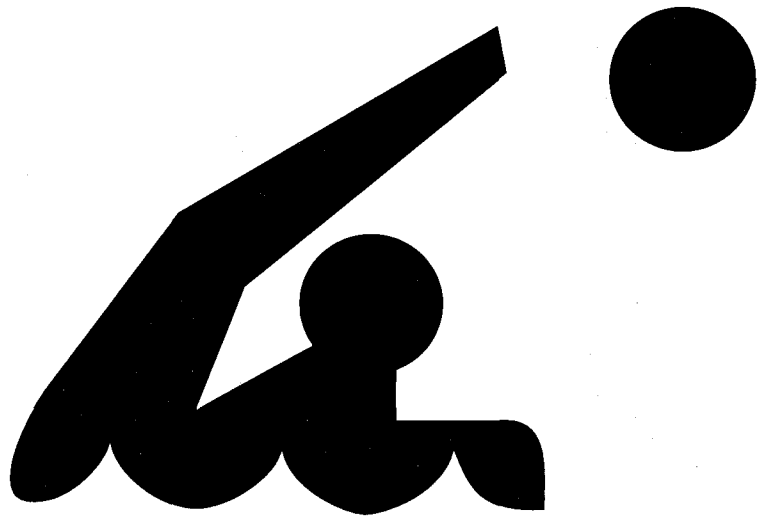
Following the sound of his voice they proceded locate the exhausted plumber who had been wandering the complex for

the past 2 days. Quickly escorting him to the surface, they proceeded to procure food and drink for the starving man at the Coffehouse in the SAC.

When asked how he had gotten himself lost, he responded that he had made a wrong turn while repairing air processing equiment in the basement of Baxter hall, noticed a mural on the wall and then promptly forgot which way he had came from.



# Caltech water polo makes a splash in its first match



BY CLINT DODD

Senior Jason Hong took home First Team All Tournament honors in Caltech water polo's first match, during the Caltech Classic tournament last week.

Five teams composed the field at the tournament, including Cal Maritime, which came

all the way from the Bay area to participate. The tournament started well for the Techers as they dominated Chapman college. Jumping out to an 8-1 first quarter lead, they never looked back.

Everyone got a chance to play as freshmen B.J. Horn and Joe Lucus shined. The final score was 25-15. High scorers

for the game were senior Jason Hong, 10, and sophomore Brian Collins, 9.

The next game was LMU, who took it to Caltech and fast broke all game long. The lone highlight of the play was Hong, who popped in two quick goals and stole many passes. The final score was 22-2, LMU.

Day two saw Caltech ready to battle Cal Maritime. Last year, Caltech won this match 15-7, but this year's Tech crew is much younger, while Cal Maritime brought back their entire squad. The first quarter found Cal Maritime jumping out to a 2-0 lead. Caltech countered with Jonathan Aldrich and Jason Hong, who tied the game 2-2. The second quarter, Cal Maritime again took the lead, only to be caught by Phil Rodriguez's sharp shooting. With the score 4-4 at the half, Caltech looked sharp.

Four minutes into the third quarter, however, with the score tied at five, Jason Hong was whistled for his third personal

*Four minutes into the third quarter, with the score tied at five, Jason Hong was whistled for his third personal foul.*

foul and fouled out. Cal Maritime popped in four quick goals and it was not until Rodriguez and Brian Collins closed the gap to 9-7 late in the final quarter that Caltech began to catch up. The last two minutes saw Caltech take some chances, and Cal Maritime broke ahead to upset the Techers 12-8. Scoring for Caltech were Phil Rodriguez, 4; Jason Hong, 2; Jonathan Aldrich, 1; and Brian Collins, 1.

The last game pitted Caltech against the Claremont JV team. The game quickly turned into the Jason Hong and goalie Birchumshaw show. Jason proved the offensive prowess while Brian played a game in the goal. Turn away shot after shot, Birchumshaw then fed the long pass to teammates. One of the most exciting plays was within minutes left in the game.

Caltech needed to score quickly, so Jason jumped the CMS goalie, stealing the ball and passing to a teammate. Smartly swimming out to the two point line to get the pass fired a two point goal. The final minute was exciting, as Caltech had two opportunities to tie the score, but each shot hit the goal post. The final score was Caltech 11, Caltech 8. Caltech scorers were Hong 6, Rodriguez 4, Collins 1, and Birchumshaw 1.

**Lowering The Cost Of Higher Education... Every Day**

**Office DEPOT®**

*Come to Office Depot for guaranteed low prices on:*

- Computers & Accessories
- Software
- School Supplies
- Printers, Fax Machines, Calculators and Other Business Machines
- Furniture

*Plus, check out the in-store Business Center for all your printing and copying needs*

**Call 1-800-557-3376 for the store nearest you**

**GOLDEN GLOBE** **PARIAN TRAVEL**  
Caltech Officially Approved

Most professional, courteous, economical and efficient service for your **official** and **personal** travel needs.  
Free service to you. We deliver.

Airlines, Cruises, Tours, Hotels, Car Rentals.  
Individual, Commercial, Groups.

**(818) 577-8200**  
468 S. Sierra Madre Blvd., Pasadena

*Spring Garden Chinese Restaurant*

**Mandarin & Szechwan Cuisine-Best in Town!**

Party Tray to Go - \$5.00 per person (Min. 25 People)

Orange Chicken      Vegetable Noodles  
Pork Fried Rice      Kung Pao Beef

*Great for meetings, parties, etc.*

5% discount with Caltech ID  
CATERING & FOOD TO GO  
Beer•Wine•Banquets

Lunch Special  
Monday-Friday 11:30-3:00 pm

(818) 796-2531  
187 N. Sierra Madre Blvd.      Pasadena, CA 91107

**OCEAN CORAL Restaurant**

★★ Award Winner ★★

*Mandarin Cuisine & Seafood*  
Cocktail Lounge

Lunch Specials \$4<sup>50</sup> 11:30-3 p.m.  
Early Bird Specials \$6<sup>25</sup> 3-7 p.m.  
Classic Dinners 3-10 p.m.

*Food To Go Welcome*  
**OPEN 7 DAYS**  
Tel: 449-8018  
2475 E. Colorado • Pasadena  
between Sierra Madre Blvd. & Altadena Dr.  
Free Parking in Rear

**ACADEMY BARBER SHOP**  
27 N. Catalina Ave., Pasadena  
Open Tues.-Sat., 7 A.M.-4 P.M.  
(818) 449-1681

**PARIS \$195**

LONDON \$258  
AMSTERDAM \$275  
HONG KONG \$355  
MEXICO CITY \$120  
NEW YORK \$139

FARES ARE EACH WAY FROM LOS ANGELES BASED ON A ROUNDTRIP PURCHASE. FARES DO NOT INCLUDE FEDERAL TAXES OR PFC'S TOTALING BETWEEN \$3 AND \$45, DEPENDING ON DESTINATION OR DEPARTURE CHARGES PAID DIRECTLY TO FOREIGN GOVERNMENTS. FARES ARE SUBJECT TO CHANGE WITHOUT NOTICE. CST# 100880-50

**OPEN SATURDAYS 10 AM - 2 PM**  
**Council Travel**  
10904 Lindbrook Dr., Los Angeles, CA 90024  
**818-905-5777**  
<http://www.ciee.org/travel.htm>  
**EURAILPASSES**  
ISSUED ON-THE-SPOT!

# 1996 Baseball Postseason Predictions

BY MASON A. PORTER

The Division Series in both the National and American Leagues began earlier this week. The Los Angeles Dodgers and Atlanta Braves started their series at Dodger Stadium; the St. Louis Cardinals and San Diego Padres battled in Busch Stadium in St. Louis; the Texas Rangers and New York Yankees played at Yankee Stadium; and the Baltimore Orioles hosted Cleveland in Oriole Park at Camden Yards.

The Dodgers were relegated to the National League (NL) Wild Card after capsizing the last four games of the season, three of which were losses to the rival Padres. They need a severe mental adjustment to advance to the National League Championship Series (NLCS). Standing in their way are the NL East champion Atlanta Braves, the best team in the NL. Since the Division

series last only five games, each team will only use their top three starters. This particular series matches the top two pitching staffs in baseball, but the Braves' top three starters (Greg Maddux, John Smoltz, and Tom Glavine) outmatch those of the Dodgers (Ramon Martinez, Ismael Valdes, and Hideo Nomo). Expect the Braves to win the series in five games, despite the absence of David Justice and the

probably absence of Steve Avery.

The Padres, on the other hand, begin their series with the Cardinals on Tuesday with positive momentum. Last weekend, they swept the Dodgers at Chavez Ravine to become the National League West champions. They have a good offense lead by probable Most Valuable Player Ken Caminiti and a reasonably good pitching staff. However, the Cardinals have a better starting staff and Tony LaRussa, the best manager in baseball. This will perhaps be the closest of the four division series, as the two teams are matched fairly evenly. The Cardinals will be hurt by outfielder Ray Lankford's injury, although he is still on the roster and will probably get some playing time. The Padres have a similar situation with catcher John Flaherty.

Expect the Cardinals to beat the Padres in four games, as they already led the series 1-0 after having won 3-1 Tuesday afternoon. If the Braves do indeed meet the Cardinals in the NLCS

*The Cardinals will be hurt by outfielder Ray Lankford's injury.*

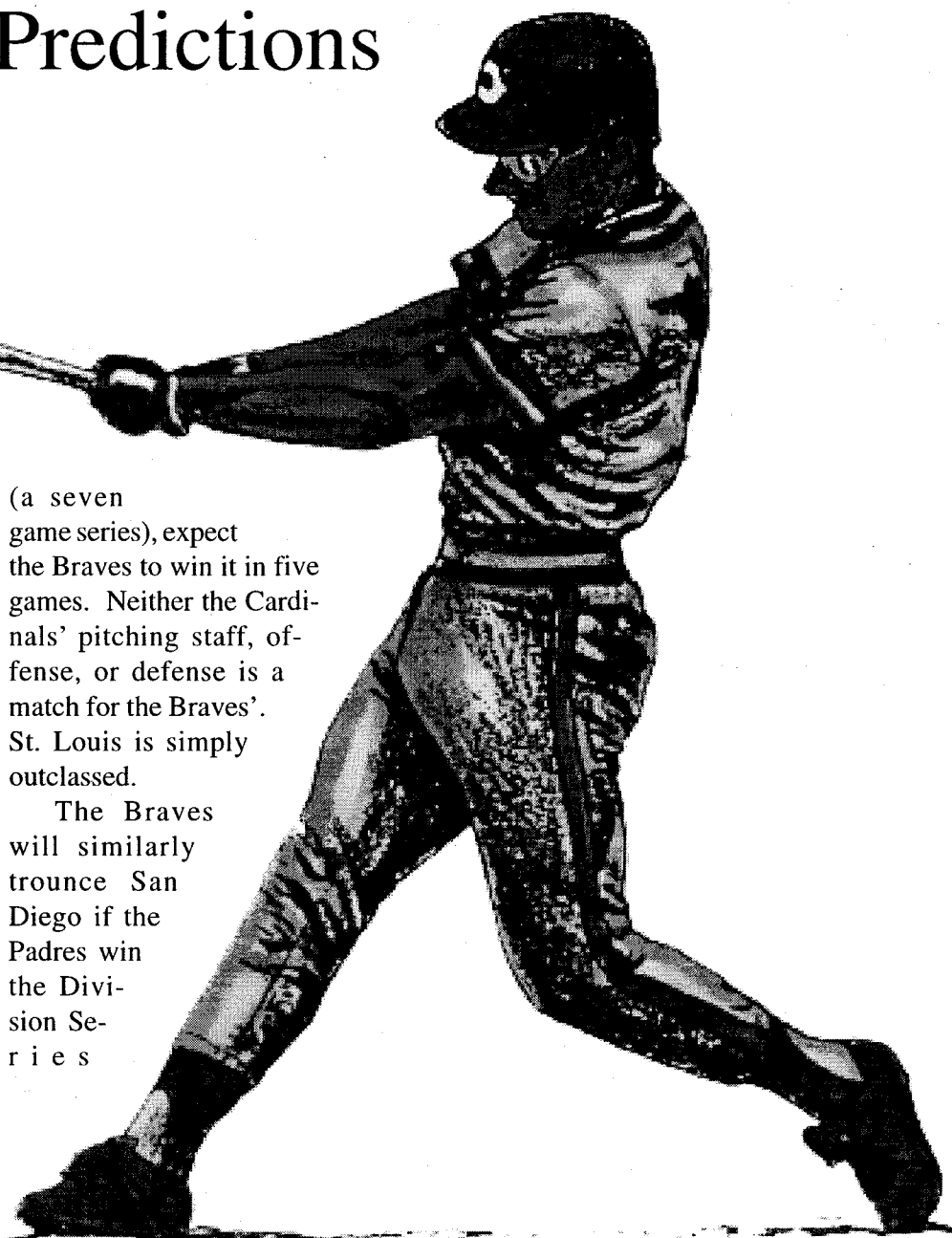
are quite good, but the Yankees have a superior pitching staff with David Cone, Cy Young candidate Pat Hentgen, John Wetteland, and Mariano Rivera, among others. The Rangers have a slight offensive advantage, but that does not offset their pitching deficiencies. Expect the Yankees to win in five games, although it will be difficult since the Rangers won the opener on Tuesday 6-2 behind starter John Burkett, and the final three games will be played at The Ballpark in Arlington.

The Yankees and Indians should be facing each other in the AL Playoffs. The Indians are a much better team. Their offense is superior to that of New York. Additionally, their defense and starting staff are both comparable, although New York does possess a better bullpen. The Indians should defeat the Yankees in six games.

As the reader has undoubtedly realized, I am predicting that the 1996 World Series will be a rematch between Atlanta and Cleveland. This is, of course, a safe bet; they are the best two teams in baseball. Despite the absence of David Justice, I expect the Braves to repeat as World Series champions. Their pitching alone is good enough to decimate Cleveland, as they proved during last year's World Series. Their offense, moreover, is even stronger than it was last year, with the continuing emergence of Ryan Klesko, Chipper Jones, and Javier Lopez, along with their other offensive forces. The Braves play solid baseball while the Indians could improve their execution of the fundamentals of baseball. The Braves will win the series in five games.

The Indians should win this series in five games, since the Orioles pounded the usually reliable Charles Nagy for a 10-4 win in the first game of the series on Tuesday.

AL West Champion Texas Rangers held off a late run by the Seattle Mariners (who did surprisingly well after having lost ace starter and reigning Cy Young Award winner Randy Johnson for most of the season) and now travel to New York to face the Yankees in their first postseason berth ever. (The Florida Marlins, an expansion team in 1993, are now the only team never to have experienced postseason play.) Both teams



against St. Louis.

The American League (AL) Central champion Cleveland Indians, who lead all major league teams with 99 victories, face the Baltimore Orioles. The Orioles have improved considerably due to midseason trades for Eddie Murray, Pete Incaviglia, and Todd Zeile, and now have nine players who hit at least 20 home runs. Indeed, the Orioles set a major league record by launching 257 home runs in 1996. However, Baltimore failed to upgrade its pitching staff, and Cleveland's top three starters are Charles Nagy, Jack McDowell, and Orel Hershiser. Nagy has pitched well all season, and McDowell (despite his off year) and Hershiser always pitch their best in important games such as these. Baltimore counters with Mike Mussina (whose earned run average near 5.00 belies his excellent record), David Wells, and Scott Erickson. Moreover, the Indians' offense is nearly as productive as that of the Orioles.

The Indians should win this series in five games, since the Orioles pounded the usually reliable Charles Nagy for a 10-4 win in the first game of the series on Tuesday.

AL West Champion Texas Rangers held off a late run by the Seattle Mariners (who did surprisingly well after having lost ace starter and reigning Cy Young Award winner Randy Johnson for most of the season) and now travel to New York to face the Yankees in their first postseason berth ever. (The Florida Marlins, an expansion team in 1993, are now the only team never to have experienced postseason play.) Both teams

## The VISION of MATHEMATICA<sup>®</sup>

Learn about the ideas, the technology, and the future of Mathematica from the creator of the system, and experience firsthand the dazzling potential of the new Mathematica 3.0.

- BOSTON
- NEW YORK CITY
- PHILADELPHIA
- WASHINGTON, DC
- BALTIMORE
- ATLANTA
- CHICAGO
- MINNEAPOLIS
- AUSTIN
- SEATTLE
- LOS ANGELES
- SAN DIEGO
- SAN FRANCISCO
- BOULDER

Attend Stephen Wolfram's Vision of Mathematica Tour:

Location: Caltech, Beckman Institute Auditorium, Corner of Wilson Avenue and Lura Street, Pasadena, CA

Date: Friday, October 11, 1996

Time: 10:00am

Location: UCLA, California Room, 480 Circle Drive, Los Angeles, CA

Date: Thursday, October 10, 1996

Time: 5:00pm

STEPHEN WOLFRAM

Science, technology, engineering, finance, medicine, research, and education: Mathematica has revolutionized the way over a million professionals and students do their work.

<http://www.wolfram.com/vision/cnp>

Visit the web site, email [vision@wolfram.com](mailto:vision@wolfram.com), or call this toll free number: 1-800-976-5302

Please recycle this paper.

## Announcements

⇨ **The Fellowships Advising & Resources Office** is desperately seeking **student workers** for a wide variety of projects. Find out about fellowships and work and study abroad while you earn money. If you are interested, please contact Karen in the Fellowships Office, Room 25 of the SAC, or x2150.

**Caltech Guitar classes** this fall quarter will be held weekly on Tuesday starting on October 8th in Room 1 of the Student Activities Center. Beginning classes will be held from 4:30pm to 5:30pm, intermediate from 3:00pm to 4:00pm, and advanced classes from 5:30pm to 6:30pm. Classical and flamenco repertoires are explored but techniques transfer to other styles of guitar. Classes are free to Caltech students and other members of the Caltech community, space permitting. Undergraduates can receive three units of credit if they choose. For further information, please contact Darryl Denning as 465-0881 or [ddenning@cco](mailto:ddenning@cco).

The search is on for contestants for the **Miss California Teen All American Pageant** to be staged January 11th and 12th at the Holiday Inn in Visalia. Contestants are judged in three categories: Evening Gown, Swimsuit, and Personal Interview. There is no talent competition! Entrants who qualify must be ages 13 through 19 as of August 1, 1997, never married, and a six month resident of the State. College dorm student are eligible! To apply, send a recent photo along with your name, address, telephone number, and date of birth by mail to Department D-Miss California Teen All American, 603 Schrader Avenue, Wheeling, WV 26003-9619. The application deadline is **October 11th**.

Want to work in **Student Affairs Administration**? The Vice President for Student Affairs Office is hiring a **part-time work-study student office assistant** to answer phones, file, do some word processing on a Mac, and run random campus errands for 6 afternoon hours a week. Said student must also be available to work from 3pm to 5pm some Friday afternoons. The perks:

good pay and free soda. Please see Jerri in 108 Parsons-Gates to apply.

## Events

⇨ **The Caltech Environmental Task Force** is proud to present a series of lunch time discussions on the environment by District 27 candidates for the **US House of Representatives**. Each candidate will discuss how the next congress should deal with environmental issues. This will be followed by a question and answer session from the audience. Jim Rogan, the Republican candidate, will talk in Moore 70 on October 8th, followed by Martin Zucker of the Natural Law party to talk in Moore 80 on Thursday, October 3rd. Elizabeth Michael, the Libertarian candidate, will talk in Moore 80 on next Friday, October 11th.

⇨ The first movie to screen in the **German Film Series** for fall 1996 term is *Fruhlingsinfonie* ("Spring Symphony") (1983). It will be shown on Wednesday, October 16th at 7:30pm in Baxter Lecture Hall. This film features English subtitles and is presented free of charge. For more information, please call x3610.

The opening performance of the forty-seventh **Paco A. Lagerstrom Chamber Music Concert** season will be given by **Mari Kodama** on piano on **October 6th** in the Dabney Lounge. The concert program will include Bach's Toccata in D Major, BWV. 912; Chopin's Sonata in B-flat minor, Op. 35; Schubert's Sonata in A Major, D. 664, Op. 120; and Dutilleux's Choral and Variations from Sonata for Piano (1947). Born in Osaka and trained in Paris, Mari Kodama has performed with the London Philharmonic and with Frans Brueggen. She has won prizes at the international competitions of Jeunesse Musicale de Suisse, Viotti-Valsesia, Citta de Senigallia, and F. Busoni in Bolzano. Her recordings include Prokofiev's Concertos No. 1 and

## Mints

⇨ denotes a new announcement.

3 with the Philharmonic Orchestra, Kent Nagano conducting. For almost 50 years, the Paco A. Lagerstrom Chamber Music Concerts at Dabney Lounge have offered intimate programs to chamber music lovers from Caltech and the community. These concerts feature artists of international repute as well as promising young performers. All concerts are held on Sundays at 3:30 p.m. Admission is free.

Caltech's 1996-97 Armchair Adventures travel film series kicks off on Friday, **October 11th**, with Robin Williams' (the travel lecturer, not the comedian) "**The Trail: Lewis & Clark Expedition**." Williams retraces the route of this historic journey from Monticello all the way to the Pacific Ocean. This adventure will begin at 8pm from the Beckman Auditorium. Individual tickets are \$9.00 and \$7.00. Series tickets for all six coming films are \$45.00 and \$39.00.

## From the Counseling Center

The Counseling Center is offering a **women's therapy group** for graduate students to begin in the fall term. The group is designed as an expansion of the women's group offered last year which provided an opportunity for women to examine a range of personal and professional issues in a confidential setting. Through group discussion, women will have the opportunity to examine their patterns of relating to others, their family and intimate relationships, and challenges they experience in achieving success. Another important goal of the group process will be to facilitate a sense of closeness and connection within the group. Each new group member needs to meet with the group leaders for a pre-group interview. If you would like more information or to schedule a pre-group interview, please contact the Counseling Center at (818) 395-8331 by **October 15th**. The group will be offered on Tuesdays at the Counseling Center and

will begin in October.

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? Want somewhere just to make new friends? You are invited to the **Gay/Lesbian/Bisexual Support Group**, which meets on the first and third Tuesdays of each month from 7:30pm till 10:00pm in the Health Center lounge. This is a confidential meeting and attending does not imply anything about a person's sexual orientation—only that he or she 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 are served. If you would like more information, please call x8331.

A variety of other groups will be offered by the Counseling Center during the academic year and will be described in future issues.

## Fellowships and Scholarships

From the Fellowships Advising and Resources Office, extension 2150, e-mail [lauren\\_stolper@starbase1.caltech.edu](mailto:lauren_stolper@starbase1.caltech.edu):

The **Lindbergh Foundation Grants Awards** support innovative ideas at their early stage of development. The grants are open to citizens of all countries and support research and educational projects that address in some way the balance between technology and the environment. Ten grants in amounts of up to \$10,580 are awarded each year. Applications are available through the Fellowships Advising Office.

From the Deans' Office, 102 Parsons-Gates:

The **Harry S. Truman Scholarship Foundation**, established by Congress in 1975, is the official federal memorial to honor our thirty-third President. The Foundation awards \$30,000 merit-based scholarships to junior-level college students who wish to attend graduate school in preparation for careers in government or elsewhere in public service. Scholars may attend graduate schools in the United States or in foreign countries. In 1997, up to 85 students will be awarded Truman Scholarships. They will receive leadership training, graduate school counseling, preferential admission and merit-based aid to some premier graduate institutions, and internship opportunities with federal agencies. They will establish friendships with persons sharing similar values and interests. Scholars are eligible to receive \$3,000 for the senior year of undergraduate education and \$27,000 for graduate studies. The Foundation defines public service as employment in: government at any level, uniformed services, public interest organizations, non-governmental research and/or educational organizations, and public service

oriented nonprofit organizations such as those whose primary purposes are to help needy or disadvantaged persons or to protect resources. The eligibility requirements are: a full-time junior-level student at a four-year institution, committed to a career in public service as defined above, and in the upper quartile of his or her class, and a U.S. citizen. If you are interested in applying for the Truman Scholarship, please contact the Dean of Students Office, 102 Parsons-Gates. The deadline is late **December 1996**.

From the Financial Aid Office, 515 Wilson, second floor:

Applications are now being accepted for the 1997-98 **National Academy of Nuclear Training scholarships**. Scholarships are \$2,500 each and will be awarded to eligible students majoring in nuclear engineering, power generation health physics, or chemical, electrical, or mechanical engineering with nuclear or power options. Applicant must be U.S. Citizens, have minimum 3.0 GPAs, and be full-time sophomores, juniors, or seniors in 1997-98. Preference will be given to students demonstrating specific preparation for employment in the U.S. nuclear power industry. Applications must be postmarked no later than **February 1st, 1997**.

The **Jewish Family and Children's Services** is pleased to announce the continued availability of financial support for Jewish individuals and their families. JFCS provides hundreds of student loans, grants, and scholarships to Jewish students. Individuals may apply for up to \$5,000. Special scholarships are available for study in Israel. To be 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.

⇨ **The Elie Wiesel Foundation for Humanity** announces the 1997 Essay Contest for the Elie Wiesel Prize in Ethics. The essay contest is open to full-time juniors and seniors. First prize is \$5,000, second prize is \$2,500, and third prize is \$1,500. Essays must be accompanied by a completed entry form. To obtain an entry form, send a self-addressed, stamped envelope to: The Elie Wiesel Foundation for Humanity, 1170 Avenue of the Americas, 36th Floor, New York, NY 10036. Essay entries must be postmarked by **January 17th, 1997**. For more information about the contest, come to the Financial Aid Office.

⇨ Women who are full-time juniors in 1996-97 are invited to participate in **GLAMOUR Magazine's 1997 Top Ten College Women Competition**. This competition recognizes exceptional achievements; the vision, determination and academic excellence of female college juniors from across the country. Winners will receive \$1,000, the opportunity to meet with top professionals in their fields, and national recognition in GLAMOUR's October 1997 issue. Applications are due **January 31st, 1997**.



## The CDC Needs Student Workers for fall term 1996

### Job Description:

General office work: type, file, answer phone, run errands  
Special projects will be assigned.

### Job Requirements:

Work at least 6 hours/week (2 or 3 hour blocks of time)  
General computer knowledge: Word and File Maker Pro preferred  
Typing/data entry skills  
Prefer work-study students

**Salary:** Open, depending upon experience

**Beginning Date:** ASAP

**If you're interested, please contact:**



Rennie Dudek  
Career Development Center  
08 Parsons-Gates  
x 6361

THE CALIFORNIA **TECH**

Caltech 40-58 SAC  
Pasadena, California, 91125