Biologist Ray Deshaies Named Searle Scholar

from Caltech Public Relations

PASADENA — Assistant Professor of Biology Ray Deshaies has been named a 1995 Searle Scholar in recognition for his outstanding research in the field of biochemistry and the genetics of cell division. He will use the three-year, $100,000 grant to further his investigations into the mechanisms of cell division in the microorganisms Saccharomyces cerevisiae, otherwise known as baker’s yeast. Work in many laboratories over the past five years has shown that a remarkable similarity exists between the simplest eukaryotic organisms, such as baker’s yeast, and much more complex eukaryotic organisms, such as people. Yeast and humans use similar proteins to implement and control the processes of the cell cycle.

One critical regulator of the cell cycle is an assembly of two different proteins called cyclin and cyclin-dependent kinase (Cdk). Cyclin binds to Cdk and activates it, and Cdk then switches on other proteins in the cell cycle process. When Cdk has completed its task, it is deactivated by the destruction of its partner protein, cyclin. Deshaies’ lab hopes to exploit the genetic technologies available for working with yeast to identify proteins that help control Cdk activity. He and his colleagues want to understand how cyclin, Cdk, and other proteins work in the cell cycle to ensure that chromosomes are duplicated and segregated accurately during cell division.

The activity of cyclin, Cdk, and other proteins is crucial to human health. Mutations in proteins that control Cdk activity have been suspected in triggering certain types of cancer in humans. Because of the similarities in the cell cycles of yeast and humans, discoveries made by Deshaies’ group will likely be applicable to people as well. Basic research such as this on the cell cycle may eventually assist in the development of innovative chemotherapy treatments for cancer.

Deshaies graduated in 1983 from Cornell University with honors and distinction in biochemistry, and earned his Ph.D. in biochemistry, in 1988 at UC Berkeley. He held postdoctoral appointments at UC Berkeley and joined the Caltech faculty in January 1994. In addition to being a Searle Scholar, Deshaies is a Lucille P. Markey Charitable Trust Scholar.

The Searle Scholars Program was established at the Chicago Community Trust in 1980, and is funded by the estates of Mrs. G. D. Searle and Mrs. C. W. Searle. John Searle was the grandson of the founder of the worldwide pharmaceutical company G. D. Searle & Company. It was the Searle’s wish that certain funds be used to support “research, medicine, chemistry, and biological science.” To achieve this goal, grants are made to support the independent research of outstanding individuals who are in the first or second year of their first appointment at the assistant professor level.

Poll: Why Techers Chose Science

by Dave Relyea

Disclaimer: I claim that I wrote down most everything that people gave me as an answer to this poll, except for the email which I deleted and that I’ll try not to personally bias the data in any way, shape, or form. Finally, I promised everyone that I wouldn’t include any personal opinions in this survey. Therefore, the quotes that I use are genuine, but I unfortunately have too little time to find every single person who responded to this poll, so I’m going on intuitions. People who responded: 51 undergraduates, 6 graduates (all levels of graduate work) 1 professor (no profession given) I didn’t include my opinions and experiences.

I was quite surprised that six graduate students (I expected about 0) sent me lengthy responses to this poll. I either talked to or received email from 51 undergraduates, about 6 percent of the undergraduate population. This number of people is not large enough to show trends in the motivations of undergraduates (fifty people is too few to justify global opinions, unless you’re finding a movie at Blockbuster, in which case five are usually too many). However, I believe that the responses of these 59 people were interesting enough to merit a writeup. Nyah. I initially counted the number of responses in several
If not for your sake, then for his.

That's right! We need writers, copy-editors, layout editors, people who can draw, people who can't draw, dancers, happy people, unhappy people, people to clean up the office, people to clean up after the people who clean up the office, assignment editors, and YOU!

PRIZE FOR THE TECH
12:15 Coffeehouse Fridays

Readers' Corner
From your Friendly Tech Editors

Wow! What a week! The rumors about third term frosh burnout are true! Oh well, only one more week (rivit rivit).
A few of our readers have expressed concern over the use of animals (cats in particular) in recent Tech ads and articles. First, we would like to say that the editors do not condone cruelty to animals, nor do we think that actual cruelty to animals is funny. We have, however, played with irony in our advertisements, saying the opposite of what we would condone for the sake of humor. Our hopes were that readers would be surprised by the content, and that the shock might amuse them. Furthermore, Caltech students are generally very kind to their numerous pets (many of whom are cats), and would never think of hurting any of them.
In other news, our Ditch Day pull-out has been put off again because we have not received many submissions. This is your last chance! Our last issue is next week and we want your Ditch Day abstracts! Please see page 9 for more details.

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Art/Photo Submissions — 5 P.M. Thursday

Work for The Tech!
3 units of PA15 and free food all in one!
12:15, Fridays, Coffeehouse

The California Tech
Caltech 40-158, SBC, Pasadena, CA 91125
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Carmen Ramirez
Laura Santana
Anita Benitez
Jill Holliday
Renny Talianchich

Contemporary
Gill & Sullivan
Trios
Dance 
Songs in Russian

Editors' Corner

New Committee Officers

Academic Policies
Kohl Gill
Lin Jia
Jian Zhang
Alternate: Jason Lee
Alternate: Adam Villani

Health
Angie Bealke
Alternate: Thanh Ng Tran

Advising System
Suzie Bruch
Barbara Weir
Johanna Tao
Alternate: Kiran Shekar

Athletics & Physical Education
Chris Cary
Alternate: Katie Soffet

Curriculum
Kohl Gill
Adam Villani
Alternate: Kiran Shekar
Alternate: Thanh Ng Tran

Educational Outreach
Lin Jia
Jason Lee
Alternate: Angie Bealke
Alternate: Penny Muir

Freshman Admissions
Amy Herr
Adil Karim
Dave Relyea
Wee Sahlillo
Alternate: Suzie Bruch
Alternate: Alison Slep

Foreign Students
Krishna Gidwani
Kanna Shimizu
Alternate: Venky Ganesan
Alternate: Thanh Ng Tran

Library
Abhijit Bhalla
Alternate: Lin Jia

Patents & Relations
With Industry
Venky Ganesan
Alternate: Stephanie Hausman

Residence Life
Michael R. Ru
Alternate: Leonard Sung
Alternate: Jian Zhang

Scholarships & Financial Aid
Meg Crocker
Eric Dickson
Kim Komisarek
Alternate: Emily Jennings
Alternate: Srdjan Sobajic

Student Government
Food Chair
Renny Talianchich.

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See you next week!

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Work for The Tech!
3 units of PA15 and free food all in one!
12:15, Fridays, Coffeehouse
**Theatre Arts**

**ASSASSINS**

Music and Lyrics by Stephen Sondheim

Book by John Weidman

---

Caltech Ticket Office
332 South Michigan Ave.
Pasadena

800-423-8849
Fax 818-395-4652
TDD 818-395-3700

email: tickets@caltech.edu

May 24, 27, 28, June 2, 3
at 8 p.m.

May 29, June 4
at 2 p.m.

Dabney Lounge on the Caltech Campus

$10 general admission
$6 students with ID

**ASCIT Friday Night Movie**

**BAXTER LECTURE HALL**

7:30 & 10:00 P.M.

$1.50 for ASCIT members
$2.00 for others

Next Week

**LAEMMLE THEATRES**

**ESQUIRE**

2670 E. Colorado Blvd.
(818) 793-6649

Gerard Depardieu
Roman Polanski

**COLORADO**

2588 E. Colorado Blvd.
(818) 796-9904

**RED**

2588 E. Colorado Blvd.
(818) 796-9904

**A Pure Formality**

Daily 4:30, 7:00, 9:30 p.m.

**Outbreak**

Tuesday, 4/11, 7:30, 10:00 p.m.

**LAEMMLE THEATRES**

**RED**

2588 E. Colorado Blvd.
(818) 796-9904

**A Pure Formality**

Daily 4:30, 7:00, 9:30 p.m.

**Outbreak**

Tuesday, 4/11, 7:30, 10:00 p.m.

**SO-CON ARRANGEMENT WITH**

**E MATERIALS ARE SUPPLIED BY**

**INTERNATIONAL, NEW YORK, N.Y. 10018**

**IHC Minutes: 5/30/95**

**Present:** Tom (chair), Laura (secretary), Adil (Ru), Alison (Bl), Bill (Da), Brian (Fl), Art (Ro), David Derkitts (Pa), Micah Barclay (Ll), Brian Winters, Peter Manca

- The dual absence of Nestor and Vogel is noted, if it weren’t Maria’s birthday we’d suspect something. Nestor’s perfect attendance record is broken.
- Tom was asked about cable TV and wants to know if anyone has any info about it, Brian says he thinks most housing run property will get it, but it is unsure. Since 150 is managed by property management and not housing it may not get cable.
- The Interhouse trophy is MIA, we make a motion, the vote passes to make it non-RFable in the future, providing it returns in some incarnation.
- Peter Manca tells us the BOD would like people from other houses besides Blacker doing ASCIT movies stuff.
- Please tell the game refs when you reschedule a game.
- We discuss frosh numbers, and Summer SURF students are fudged into spaces.

That’s all folks!

Respectfully submitted,
Laura Brady, IHC Secretary

**It Was Much Better Back When We Wrote the Title:**

**A Social Commentary**

by J. Random HercFrosh III and Lauren

Today’s target: Social Commentary

OK, here’s the deal... our contract has not been renewed for next term (by edict of the editors).

(This is a unsubstantiated rumor. -eds.)

So, this is our final article. For all time. For ever.

For always. You get the idea.

Anyway, we’re outa here after this article, and we would just like to say, “*expletive deleted* off!”

So with no further ado:

This space for rent. Call (818) 395 - 6153 between 8 a.m. and 12 a.m. Ask for Wei-Hwa.

-------------------------------------------------------------

Your ad here.

-------------------------------------------------------------

If you lived here, you’d be home by now.

-------------------------------------------------------------

Baby on board.

-------------------------------------------------------------

How’s my driving? Call: 1(800)EAT-<expletive deleted>.

-------------------------------------------------------------

got milk?

**Adam Villani: Media Guy**

**Assassins**

TACIT’s new production of Steven Sondheim’s *Assassins* is not a Broadway show, but for an amateur production, it’s pretty good. *Assassins* takes as its subject the myriad American presidential assassins and would-be assassins and tries to find out what makes them tick. Unfortunately, it doesn’t get much more insightful than “they do it to get attention,” which is something I could’ve told you. It’s certainly more original an idea than most musicals, and one does get a certain thrill from seeing footnotes of history come to life. With TACIT’s limited budget, though, the result is good performances, interesting staging (in Dabney Lounge), and a whirlwind tour through American history, guided by a bunch of people from John Wilkes Booth to John Hinckley who are, for the most part, insane.

Particularly charismatic is Craig Peterson as Charles Guiteau, the man who shot James Garfield because he wanted to be ambassador to France. The two women who tried to shoot Gerald Ford, played by Lara Hughes and Lynne Cooper, share a great scene, perhaps the comic high point, where they discover they both know Charles Manson. Ted Turley does a fine job as Sam Byck, the man who tried to crash a 747 into Dick Nixon’s White House, but he can’t save his scenes from the fact that they seem to have been written in a calculated attempt to bring the tempo of the production to a grinding halt. As an extra note, the costuming was excellent at establishing the character and time period of each assassin; many were instantly recognizable.

See *Assassins*; you’ll like it.

June 2 and 3 at 8 p.m., June 4 at 2 p.m. Tickets $10, $6 for students, call the ticket office at (818) 395-4652 or (800) 423-8849.

by Adam Villani
Junior Class Offices
President
Gina Serraicoce
Hello, sophomore buddies! I'm running for Junior Class President because I know I would do a great job with Mudeo and finding a commencement speaker. I was the Frosh Director last year, and I really liked being involved with Caltech and representing my class. I hope you can give me a chance to do it again! Thanks.

Secretary/Treasurer
Dave Bacon
Graduation ’97. After a fast minute bout with the registrar over counting Ph 2e for advanced humanities credit, you’ve finally managed to scrape together enough units (of pain?) to graduate. You’ve gotten your job offers from two non-caltech companies and have been accepted to attend grad school at Podink U. You’ve purchased a spiffy graduation gown and one of those cool square graduation caps. Your whole family is in town to witness your triumphant graduation from Tech. Everything is real smooth.

Imagine then your disbelief when you return home and discover there is no party! No bottle of champagne, no fancy dinner, no fancy graduation garb. The senior class presides over the event. As Ruddock House Vice President, I have heard many things that make or break events such as Mudeo. Probably the most important step in organizing such an event is the input of the students. Students will not show up for events which they do not find interesting. If it can discern that no one wants to attend “ENG,” then I feel that another event should be scheduled. Above all, I hope to make the freshman-sophomore event exciting and entertaining for all.

Finally, I feel that I am qualified to do an excellent job as Junior Class Secretary/Treasurer. I am the Vice President of Ruddock House, will be a freshman camp UCC, and am a member of the ARC. I have represented Ruddock at BHC meetings and love interacting with other houses at Interhouse events. (On a side note, my last name is Bacon, and I have an attack. Your whole family is in town and I have an attack. Your whole family is in town and I have an attack.

The Junior Class Secretary/Treasurer, along with the Junior Class President, needs two main responsibilities: to organize a freshman-sophomore event (Mudeo) and to select the commencement speaker. If elected Junior Class Secretary/Treasurer, I would strive to both improve the freshman-sophomore event and to obtain an interesting commencement speaker. As you can already see from the scenario I presented above, I will not allow the commencement speaker to be some Joe-nothing who just happens to be available for the job, is an extremely prestigious institute. We should therefore be able to attract world class commencement speakers.

Further, for too many years Mudeo has been a sparsely attended waste of time. If elected Junior Class Secretary/Treasurer, I would attempt to solve this problem. Mudeo has the potential to be an extremely exciting event. As Ruddock House Vice President, I am currently responsible for organizing after-challenges. From this job, I have learned many things that make or break events such at Mudeo. Probably the most important step in organizing such an event is the input of the students. Students will not show up for events which they do not find interesting. If I can discern that no one wants to attend “ENG,” then I feel that another event should be scheduled. Above all, I hope to make the freshman-sophomore event exciting and entertaining for all.

Adil Karim
The senior class president has two main duties; setting the date of Ditch Day and “helping” to determine the form of the commencement exercises. I should not have any difficulty with the first. For me, every day is Ditch Day. The commencement ceremony is subject of great importance to the senior class. It signifies that our once-a-year dress duds. But when everyone else has gone home, I like the smell of the grass after I’ve spent hours mowing it. I like counting the syllables of sentences in my head. I like eating a warm soft pretzel covered with cheese. I like dancing around my room listening to country music. I like talking trash with my friends on the basketball court. I like shucking corn and picking toma­toes from my garden. I like to smile and laugh and sing. That’s me. Simple. What else is there to say after three years? If you don’t know me; maybe you know a little more about me now. And for one last hurrah and chuckle, I won’t resign—so vote for me.

Senior Class Offices
President
Angie Marie Bealke
I like watching the sur­rise over the Atlantic ocean on a crisp summer morning. I like playing golf in the rain when everyone else has gone home. I like the smell of the grass after I’ve spent hours mowing it. I like counting the syllables of sentences in my head. I like eating a warm soft pretzel covered with cheese. I like dancing around my room listening to country music. I like talking trash with my friends on the basketball court. I like shucking corn and picking toma­toes from my garden. I like to smile and laugh and sing. That’s me. Simple. What else is there to say after three years? If you don’t know me; maybe you know a little more about me now. And for one last hurrah and chuckle, I won’t resign—so vote for me.

Suzie Bruech
I have a vision. All of my classmates are gathered together in the Court of Man­ners, decked in graduation garb. The sun beats down on us as the mercury tops 100°F (or 37.8°C) and 31K for the true scientists in the audience). Sweat pours down our bodies, as if we were not uncomfortable enough in our age-appropriate dress. Your whole family is in town and we neither know nor care. Why, you ask. How is this possible? We are so em­powered by our graduation speaker, so enthralled by his or her words, that this message will linger in our memories forever. Our commencement address was actually good, while theirs was a failure. That’s why; we neither notice nor care. Why, you ask. How is this possible? We are so em­powered by our graduation speaker, so enthralled by his or her words, that this message will linger in our memories forever. Our commencement address was actually good, while theirs was a failure. Why, you ask. How is this possible? We are so em­powered by our graduation speaker, so enthralled by his or her words, that this message will linger in our memories forever.

Furthermore, I would like to convince the cho­sen speaker why he or she should come to Caltech. (Unfortunately, we will not be able to attract any olymp such as Prefrosh weekend, but I will try my best.) If you are a senior from any of the fine houses (and if you aren’t, why are you reading this?) and you share my vision, I am open to any and all ideas you have about who you want to give our last “lecture” at Caltech and what would make graduation more enjoyable. Finally, as Se­nior Class Secretary/Trea­surer, I will help choose an appropriate date such that even the most scrupulous Ditch Day watchers will be unable to predict this gala event.

“At what point do you know that there is no­thing left to do? At that point do you have any idea of what you are doing? Why are you here? Why do you care?”

Alison Slenp
Who do you think should speak at commencement?

Alison Slenp
Do you think you should speak at commencement?
CASH for your used BOOKS!

Bring Them to the Caltech Bookstore
(Winnett Student Center)

June 13-15

Tuesday - Thursday 9:00 a.m. - 5:00 p.m.
English, the Irrational Tongue

— Let’s face it, gang: English is a silly language. There aren’t any rules... but English teachers make us learn a bunch of them anyway, which works less often than not. I particularly recall “i before e, except after c, or in words that sound like sleek, or weigh, or in combination with a,” before e, except after c, or in any crusade. Well, maybe it’s the computers are to know! Rossi

#2 - If there was any MOBIUS PAGE - Let’s face it, gang: English is a silly language. There aren’t any rules... but English teachers make us learn a bunch of them anyway, which works less often than not. I particularly recall “i before e, except after c, or in words that sound like sleek, or weigh, or in combination with a,” before e, except after c, or in any crusade. Well, maybe it’s the computers are to know! Rossi

,,e...twisted Ideas with a Straight Edge

by Rob Rossi

More “rational” languages, and having taught English as a second language, I can really identify with those trying to pick up our lingo, especially in regard to scientific terms. I don’t have any good suggestions for you, though. Sorry. There’s no secret logic... there is no logic!

Parenthetically, my sincere thanks to Markus Weber, one of my roommates and a native of Germany, for inspiring the following diatribe. Some time ago Markus asked me “What is a German.” (I’m glad he asked before Tadpole Weekend.)

One thing that people using English as a second language almost always have trouble with is hyphenation. Hey, most people have to look up the syllabification of some words—is there any rhyme or reason to it? I thought not, but Markus (a computer science guy) has studied the algorithms in the powerful typesetting system “TeX,” and he reports that the program actually empirically calculates the hyphenation of most words. The algorithm “looks like some kind of meta-physics,” however. He tried to explain it, but I got lost. Suffice it to say that the method was developed at Stanford by Frank M. Liang in 1982, as part of his Ph.D. thesis in computer science. If you are interested, look at Appendix H in the TeX manual—it’s all there.

That brings me to my personal crusade. Well, maybe it’s just the chip on my shoulder, call it what you like. 1, 2, and 3. Yeah. Not 1, 2 and 3, mind you. Most people in science circles get it right, thankfully. But you can pick up several serious national monthly newsmagazines and find it all wrong! Wrong? Convention wisdom is that you can enumerate a list in written form as either 1, 2, and 3, or 1, 2, or 3. But only the first makes common sense. Why? Let me quote the eloquent explanation in Technical Reporting, 3rd Ed., by Joseph N. Ulman, Jr. and Jay R. Gould:

Unless you put a comma before the conjunction in every series, you will sometimes confuse your readers.

Suppose you write:

Electric lenses were developed by Davisson and Calbrick, Knoll and Bruche.

This is evidently meant to be a three-member series... but does Ruka belong with Knoll or with Bruche? Two other examples are given by Ulman and Gould that make the point even more strongly. I’ll omit their explanation as I think you can see the problems yourself:

1. If we have subdivisions of X, Y and Z, whose values are known...

2. A sampling device is made up of two cascaded components, a sampling switch and a cascaded holding device.

Are you confused yet? If you use the 1, 2, and 3 enumeration scheme, probably not. But the sentence above is vague at best! If you can’t trust that their writers consistently use that “extra” comma, your solution is pragmatically right? (Not ALL engineering work, and that’s what drove me out of the field into science. Hey, I’m only so pragmatic.)

Last time we puzzled you with triangle ABC, lying on rays A, B, and C, emanating from a camera. Well, the computers are still thinking about it. Of the many people who’ve fed this problem to a computer, each using a different algorithms, I don’t know of anyone who got something meaningful out of it. No analytical solutions were sent in, so I’ll dive into it. Here’s the solution to the last Puzzler.

This issue’s new puzzler is science...and a question of ingenuity. You have gotten in a heated debate with the local science teacher on an isolated island. He has been telling his students that salt water is less dense than fresh water, and insists he is right. There’s plenty of fresh Y EXCOMM meets every Monday from 12 p.m. to 1 p.m. in the Y Lounge (2nd floor of Winnett). If you’re interested in finding out more about the Y feel free to drop in.

Do you think your $ time is worth more $$ than $8.00/hr?

Then become a salesman for the California Tech !!!

Because your time is a scarce resource, invest it wisely, and earn the money you really deserve!!

Earn up to 25% commission on the sale of advertising space to local businesses. For additional information, give Francisco a call at x6154 and leave a message on the answering machine.
AscT Minutes: 5/24/95

Present: Thomas Maccarone, David Ryley, Kanna Shimizu, Greg Steiert, Laura Munoz, Andrew Huntington, Flora Ho, Jon McHugh, Ken Walsh, James Honaker, Dart Velder, and Ermie.

Not Present: Everyone else, including but not limited to the immediate family of Tom, James’ cat, and James Stewart (we think he’s dead).

The Meeting starts at 4:05 a.m. Andrew Huntington acquires a third term Multihouse funding check from Kanna Shimizu for Rickets House for BBO (how much, we don’t know).

Jon McHugh achieved a point total of 579,000,980 while playing the video game “Jurassic Park.”

Flora Ho and others have altered some Grievance Committee procedures, but the changes to the procedures have not been passed.

ASCIT Teaching Awards are up. Vote for your favorite teacher. Make Ken smile.

Jon requests the opinions of the members of the BOD toward acquiring an ASCIT logo by means of a community competition. Jon says that Tom Lechner might be able to do it. The logo would need to contain the word “ASCIT” and not appear to be a small map of Venezuela.

The quick brown fox jumped over the lazy yellow dog.

Tom mentions that the senior class president might be given the task of finding out if seniors want to destroy things for their stacks that aren’t theirs. For example, the pyramid underneath Baxter was destroyed on Ditch Day, and several people have complained. Some people add that it might be difficult for the president to find out what stacks are destroying things, but the BOD likes the idea. What if seniors want to destroy the bust of Einstein, or the carpet in Lloyd? Oeps.

Dimah Lee Schaller’s office was flooded, and she needs an office for the summer. Jon tells the BOD that Student Affairs asked to use ASCIT’s office - the BOD is generally against this. Sure. Steal our homes and workplaces. Beat our swords into plowshares! We Will Endure!

James failed to find the operating budget for the Tech. Whether an operating budget exists is uncertain at this point. James mentioned briefly to everyone that he’ll seek out Gavin later.

James adds that the BOC is $2100 in the red (and $6 in the green). With the $1500 from this year, the BOC will only be $600 (or $800, actually, due to a $200 expenditure in debt. As the BOC has no outside account, any money put into the BOC’s account at this point will just go paying off the debt. Thus, James requests a cash loan of $500 from ASCIT for BOC operating expenses (and it is approved 5-0-2 later).

The Dean has requested a blurb in the Student Handbook to the effect of: “If you have an account at another bank besides the Caltech Credit Union, the Credit Union will charge you a service fee.”

Sharon Slavin met with Dan Bridges to see if Student Affairs can help us with Ath Funding.

Lloyd House has no third term House List. Suck. Page House has a fax machine. Double suck. The Interhouse Trophy was stolen from Fleming and has since been seen in the steam tunnels, in Outer Mongolia, and possibly orbiting Callisto. Fleming has acquired SEDS about building a rocket, and the launch is scheduled for sometime in 1998.

Laura says the Van is happy and collects litter. Obviously, she’s lost her mind. Vans can’t be happy, Laura. Dave adds that the copier has trouble printing double-sided copies. Everyone else Dave has talked to says that the copier prints double-sided copies just fine. Dave is jixed.

Greg told the Atl that 118 people will attend the Formal. Greg also wants to get more money for Ath every weekend for social events, like the Jim Pierce Scavenger Barbecue first term and Foodoo third term.

Ken wants people to talk to the registrar about the new rule stopping me and maybe other students but I’m not sure from taking Math 112 and Physics 106 at the same time because they OVERLAP BY 1/2 AN HOUR ON MONDAY. (They made a rule just to do this. They don’t like me.) Ken also would like to know exactly who the registrar got to pass this rule.

Tom adds that the IHC is working on the railroad, and on summer housing problems. We need 52 spaces for non-Caltech students. The IHC will also stop people from getting screwed over in picking rank in other houses if their house is being removed.

Kanna says that a lot of clubs haven’t picked up their checks, and if they don’t by drop day, they lose. Drop Day was Wednesday. Contact Kanna if you want to beg and plead with her to give you the money that you were late in collecting. Kanna adds that the Totem needs more money, because Thanh-Nga Tran (who has since disappeared and has been seen off-campus and in the steam tunnels) said the Totem would be getting bigger this year.

Dave says that elections for class officers will be held on Monday after Memorial Day. Candidates should submit their statements and a list of their favorite people in the Tech by Wednesday.

This is as anal as I get. David Ryley

ASCIT Secretary

Present: Dinah Lee Schaller & Flora Ho

- Global Trends may have WHAT YOU NEED!
- WE DO REPAIRS!
- Call for other models of Toshiba Notebooks!
<table>
<thead>
<tr>
<th>Across</th>
<th>Down</th>
</tr>
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<tbody>
<tr>
<td>1. Thugg</td>
<td>Theft Car Radio</td>
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<tr>
<td>2. River in Siberia</td>
<td>Victim parked his 1992 Toyota Camry in the Wilson lot on May 8, at 5:00 p.m. Upon returning to his vehicle on May 9, at 8:45 p.m., he discovers his radio missing. No evidence of forced entry was observed on the vehicle. Pasadena Police Department notified.</td>
</tr>
<tr>
<td>3. Cetus sun</td>
<td></td>
</tr>
<tr>
<td>4. What the seniors will soon cease to be</td>
<td></td>
</tr>
<tr>
<td>5. Annoy, like the X-Men Chief editor?</td>
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<tr>
<td>6. What the valedictorian does</td>
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<td>7. Branches</td>
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<tr>
<td>8. College in NC</td>
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<tr>
<td>9. Screwed-up place?</td>
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<tr>
<td>10. What all the seniors try to get</td>
<td></td>
</tr>
<tr>
<td>11. Integral</td>
<td></td>
</tr>
<tr>
<td>12. Dances in Bologna</td>
<td></td>
</tr>
<tr>
<td>13. It’s said there are seven of them</td>
<td></td>
</tr>
<tr>
<td>21. Those for whose benefit a suit is brought</td>
<td></td>
</tr>
<tr>
<td>22. B fore?</td>
<td></td>
</tr>
<tr>
<td>25. Flood</td>
<td></td>
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<td>26. :</td>
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</tbody>
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Come to the Caltech Bookstore for all your Commencement Day Memories

- Diploma frames (in three different styles)
- Leather diploma covers
- Ph.D. Hoods
- Caltech photo albums
- and much more

On Commencement Day don’t forget film, disposable cameras and cold drinks.
Submit Ditch Day Abstracts!

We've received fewer than 10 stack abstracts!
Please, if you want your stack to be included in our Ditch Day layout (which has been delayed two weeks already), send us an abstract (editors@tech).
Here's a sample of what we're looking for...

Bob's Stack
Underclassman went to the ends of the earth to solve Bob's Stack. While hanging off of Millikan library to read a clue printed on the seventh floor, something flew out of Beckman Institute and latched onto Bill's neck and wouldn't let go. And, in the end, everyone had to laugh because, what was that thing?

Kreative Korner

Guidelines for Submissions.
Submissions are generally creative works, such as narrative, fiction, drama, poetry, artwork, or photographs. Essayists are encouraged to submit to The California Tech. Most cartoons should probably belong in the Inside World.
1. All submissions must be in by the Tuesday preceding the issue in which the submission is to appear.
2. Submissions may not contain libelous material without consent of those being libeled.
3. Submissions must be turned in by email, Macintosh disk, or 3.5" high-density IBM compatible disk.
4. All submissions will be submitted to the Round Table for publication unless explicit instruction is given by the author(s) to the editors to the contrary.
5. The author must be part of the Caltech/JPL community. Certain waivers for alumni, friends of the community, etc. may be made at the editor’s discretion.
6. The editor reserves the right to edit, shorten, disallow any submission, or take exceptions to these rules.

May 18
Lost Property
Victim left two cardboard boxes containing personal property in the hall-way of the Fleming house near room #21 at 2:00 a.m. Victim noticed the boxes missing at 10:00 a.m.

May 19
Grand Theft Auto
Blue Chevy Pick-Up Truck, valued at $9,000, was taken from Arden Street just south of the Health Center. Victim parked his vehicle at 12:30 p.m. Upon returning at 3:00 p.m., discovered the vehicle missing. Pasadena Police Department notified.

May 20
Suspicious Odor
Security responded to a report of a smell of natural gas in the Noyes Laboratory. Upon arrival, the building was evacuated and the Pasadena Gas company were instructed that they were on private property and would have to leave immediately. Subjects complained. Subjects were not Caltech affiliated.

May 21
Suspicious Odor
Security responded to a report of a smell of natural gas in the Beckman Institute. Upon arrival, the building was evacuated and the Pasadena Gas company were instructed that they were on private property and would have to leave immediately. Subjects complained. Subjects were not Caltech affiliated.

May 22
Unauthorized Access
Security responded to a report of kids riding bikes in the Moore construction area. Subjects were instructed that they were on private property and would have to leave immediately. Subjects complained. Subjects were not Caltech affiliated.

May 23
Suspicious Odor
Security responded to a report of a smell of gasoline in the Physical Plant Building. Upon further investigation a gas can was discovered in room #15. Gas can was removed from the area.

May 24
Lost Property
Victim lost a set of keys on a blue plastic key ring. Victim noticed keys missing at 6:30 p.m. Victim believed that they were lost near the Beckman Institute.

Kreative Korner Policy

We feature the ReNu" regimen by Bausch & Lomb: The easiest way to take care of contacts.

World Vista Travel
150 S. Los Robles
Pasadena, CA 91101
(818) 577 - 1220

Corporate, Leisure, Cruise Groups and Tours
Special Discounts for CalTech Students and Faculty
Guaranteed Lowest Fares

$89
DAILY WEAR
SOFT CONTACT LENSES
Includes: Exam, Fitting and Follow Up Reg. $120

$99
EXAM, FRAME & LENS Reg. $159

WE FEATURE THE RE-NU REGIMEN BY BAUSCH & LOMB-
The easiest way to take care of contacts.

OPTOMETRISTS

Pasadena Plaza
(818) 577-7205

L A W H O R E S - R E D U C E D S E R V I C E


SATISFACTION GUARANTEED

"We feature the ReNu® regimen by Bausch & Lomb: The easiest way to take care of contacts."
and salty water around, but no hooks or the overhead balance or measuring devices accurate enough to convince him it was wrong. However, he does have a lump of clay that floats easily in the water. Using this clay and a small pebbble from the beach, there's an easy way to demonstrate this small density difference. What is it?

Shameless Shareholders — Two weeks ago I attended a really good William Bennett Muoro Memorial Philosophy Seminar presented by professor Christo pher Kutz of UC Berkeley. Al though in this limited space I can’t do justice to the philosophi cal argument he was advancing, his talk got me thinking about the stock market. I'm already a target of the Stock-Market Anti-Defamation Lawyers. I mean, I've never been to aしまのか pulling in a decent size, so I figure I may as well go public with my gripes.

Stocks and the stock markets work as an investment engine, and most people held their stocks until they retired or died. The stock market and government regula tions were supposed to reduce the costs associated with investment contracts and keep the transactions honest. Insurance corporations usually started small and didn’t go “public” — they started that way.

In the world of banks and business capital has changed incredibly since then. These days most shareholders in any given company have at best only a glimmer of knowledge about it. Many corporations are wholly-owned subsidiaries of other corporations, and companies choose in corporation primarily for the legal and financial protection it grants the people who’s money is invested in them. Rarely do companies start out public now days. Most entrepreneurs have to put up their own money and get personal bank loans. The stock market doesn’t do its original job anymore, it still raises capital and divides risk — but that has become a secondary func tion. The NYSE reminds me of a Las Vegas roulette table these days, that is, people approach it as a way to make a buck. Mutual funds and profit-minded investors encourage companies to maximize this year’s or last’s profit, not to see their money turn around fast — faster than any R&D project or even that fast — to invest in a new product. To them, there’s no money in research work, or in hiring good stuff, or preserving a company’s reputation and quality products. They will soon sell their shares, in order to reap their profits, anyway. But what company would allow money to be left over to develop new products and/or otherwise shoot itself in the foot? That’s the path to bankruptcy!

It’s easy to forget that a corporation’s shareholders own the company, and ultimately, ab initio, make all the deci sions. Both as a scientist and an American, it’s frightening to think how the last two decades, starting with the auto industry, companies cut back on research and human development, the inter est of reducing costs and maxi mizing the present year’s bottom line. Corporate “downsizing” did cut a lot of real fat off many corporations—but the future of many of America’s oldest and biggest companies has also been that of its largest and most dif ficult to search and development cut backs. The research labs at BMW, AT&T, Xerox, and many others are shadows of their former selves. The implications for the eco nomic future of the United States are frightening indeed. CEO’s with foresight, who look to mak ing their company profitable for their shareholders, cut targets of quick-buck investment groups and find themselves out of work, replaced by a cost-sha ling big-bang strategy. Business.

“When will X make a profit for us?!”

Three years? Too long, kill it!” These companies (almost all of them) have embarked on another high-power position before the consequences of such actions hit home.

I’m not usually labeled a re actionary, but with regard to the stock market that’s probably a fair moniker. I’d like to see a return to a majority of respons ible and interested shareholders — the public who’s stock reflects an investment in something other than just the company they own. (These days companies find the only way to get such shareholders is to buy up their own stock and sell it to their employees!) Mr. Kutz sug gested a path toward that goal in his seminar, one that also ad dresses the question of a real problem: which is, in Christopher’s words, that “Lim ited liability encourages under capitalization of under-invested corporations to engage in risky ac tivities.”

I’d like to see two birds with one stone: As participants in a shared venture, shareholders should be civilly and morally ac countable for the unintended consequences of that venture, in proportion to their degree of ownership.” You own one fifth of Coca Cola Incorporated. One of their single-hulled tank ers split open off the coast and they filed for bank ruptcy because of the suit against them. But now YOU are on the hook for one fifth of whatever settlement is made against them in court. WHAT? This is where my share-holding friends call me a madman. “How am I supposed to know what Coke’s doing?” I just noticed they had a big cost-to-earnings ratio and a low population of the popula tion that would make the kind of people currently on the stock market. THAT’s the problem!

To my mind, if somebody is in a position to make a buck, they should suffer consequences beyond the loss of their initial in vestment when their efforts con tinue to shoot themselves in the foot that harms other people. Anything else is a rigged crap game. The players are the stock market. (It’s about 20% of this re sponse might be attributable to the assumption that I was looking for such a simple solution.))

About 1 out of 7.5 people didn’t want to say that they had done anything other than science. Several people told me that they had not done any thing for a career, but science was the most important thing they had ever done. Some people gave short answers, so I’ll assume that almost all of them are in science.

According to this poll, people might appear large, people are very interested in being a part of the science with fewer people (good news for Caltech if this is a global trend). Five people (in the special interest category) said they had no other choice of a career, i.e., they’re being forced into a career by parents, college, etc.

Although this percentage might appear large, people are often forced into circumstances by parents and the “system” (col lege applications, financial situ ations, etc.) and find themselves with only one option. Only 2 people admitted that they were going into science because it promised the best salary of any thing else. A total of 13 people, though, said that money was not an object, and that they would have gone into other fields if money had been their greatest motivation. (Yes. We’re greedy.) How ever, I’ve already asked myself the question that the result of this poll must be attributed to the assumption that I was looking for such a simple solution.)

Two of the students who didn’t do anything with science (in my favorite response) One person was a biology major and the other was physics.

One person was the first person in their family to go to college. Pro gram ming brings “immediate gratification” or “keeps them always working if done correctly.”

In summary, if people were asked what they wanted to do with their life, most would say “science.” The “QUEST for knowledge” is in the people.

The last response came from somebody who has decided against going to college. Instead, out of 59 people, 9 had chosen not to go into science. Of these out of 9, one person has a PhD and a master’s degree, one person has decided to go into architecture. Although some people would argue that both of these fields are part of science, I’ve always felt outside my predetermined definitions of “science.” I still have your life to science (for example, archi tecture and economics; nei ther are by any stretch of the imagination. Two people said they didn’t want to do anything with science, they want to teach science, preferably at the college level. Hopefully a lot of children will benefit from this poll, if not from the chance to answer all of their questions (sometimes, it gets realy annoy ing to have them go on and on to explain interesting things). Fi nally (I’m almost done) “Thank God,” five people have decided against “science” and appreciate the learning it entailed. Some of these people wondered how total unemployment could ever be related to a differential equa tion, and others believed that the workload in science would not let them have a life.

I’ve given the results of the poll and my analysis. Hopefully, you’ll take a look at why you de cide not to go into science (or form or another) and you won’t think the results of this poll are worthless. Thanks for reading
### Multimedia Special

<table>
<thead>
<tr>
<th>Product</th>
<th>Brand</th>
<th>Price</th>
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<tbody>
<tr>
<td>Pentium Multimedia</td>
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<tr>
<td>4x Quad-Speed CD-ROM</td>
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<tr>
<td>Sound Blaster 16&quot; Creative Lab</td>
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<td>2 Speakers</td>
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<td>Intel New Pentium CPU &amp; FAN</td>
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<td>486 DX4-200MB</td>
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<td>650MB IDE Hard Disk</td>
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<td>PCI Controller - Type III</td>
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<tr>
<td>PCI accelerated SVGA w/MB</td>
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<tr>
<td>15&quot; 1024 x 768 &quot;Green&quot; SVGA</td>
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<tr>
<td>101 Enhanced Keyboard</td>
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<tr>
<td>3 Button Mouse</td>
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<tr>
<td>Medium Tower w/20W ull &quot;P.S&quot;</td>
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**90MHz: $1895**

**100MHz: $2025**

### 486 VESA Multimedia

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<td>Intel NEW Pentium 90 or 100 CPU Win</td>
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<td>15&quot; 1024 x 768 &quot;Energy-Save&quot; SVGA</td>
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**P5 - 90MHz: $1625**

**P5 - 100MHz: $1750**

### ACCESSORIES

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<tr>
<td>HP LaserJet 4V &amp; 4MV</td>
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<tr>
<td>* Fast graphics printing</td>
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<tr>
<td>* 16-ppm speed in desktop printer</td>
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<tr>
<td>* True 600 dpi print quality</td>
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<tr>
<td>* Wide-format printing on 11&quot; x 17&quot; paper</td>
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<tr>
<td>* 4MI (4V) 13MB (4MV)</td>
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<tr>
<td>* Support 12 network operating systems with automatic I/O switching</td>
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<tr>
<td>HP InkJet 320</td>
<td>HP</td>
<td>$295</td>
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<td>HP DeskJet 540</td>
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<tr>
<td>HP InkJet 660 Color</td>
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<td>HP LaserJet 4P</td>
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<td>HP LaserJet 4SIMX</td>
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<td>HP ScanJet 3P</td>
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<tr>
<td>HP ScanJet BICX</td>
<td>HP</td>
<td>$995</td>
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</tbody>
</table>

**4V $1895, 4MV $2795**

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### Classified Ads

**FOR SALE**

- **Used Drafting Table**
  - Metal 60" x 30" drafting table, 30" base, adjustable-angle top with cutting pad, two drawers (one large, one small). $105 obo. Cost the last at 8x14.

**Housing**


**Services**

- **Floorslaving Subscriptions**
  - $15 monthly fee. Fresh flowers delivered each week (4 deliveries per month). Volumes are accepted. It’s the bringing sunshine, smiles, and kind thoughts to work. Just call (818) 350-2800.

**Furniture**

- **806 Europe 50/60 Anything?** If you’re a little flexible, we can help you beat the airline’s prices. No hidden charges. **Auction** at 806-334-0605.

---

**An Open House with Avery Center Architects**

By Adam Villani

Last Friday the MOSH hosted an open house discussion session with the architects of the new Avery House building, currently under construction at the southwest corner of Hollston and Del Mar. Architects Mark Denton and Linda Bretter gave those who stopped by a guided tour of the future complex for undergraduate, graduate, and faculty housing, scheduled to open in the fall of 1996, through the use of intricate laser-cut models and detailed plans. Vice President for Student Affairs Gary Lorden and the MOSH himself, David Wales, were also on hand to answer questions about Avery House’s functionality and purpose.

Avery House will have space for 140 students in 49 singles, 41 doubles, and 3 triples. The singles and doubles will be interspersed nicely throughout the building, and the different sections of the building will surround several courtyards of varying size and character. A 3:1 undergrad-graduate ratio is planned, and there will also be five faculty apartments. In addition to the residences in the complex, Avery House will contain a limited number of parking spaces and a cafeteria/small student center. The cafeteria will have a smaller café section which will remain open late into the night, similar to the coffeehouse, and will have a fireplace and big-screen TV. Fireplaces will also be in each lounge, and one lounge will even have access to a tower and panoramic balcony. As usual, the building will physically have a Mediterranean flavor to it, following the example of most campus architecture. Avery House looks to be an interesting place in which to live, where undergrads, grads, and faculty can intermingle well.
Califor'nia X-Rays
Any classes Big Family
Competition for fresh­
re­
hamburgers
will be
Re­
Beauty
and
the
Financial
personal
must
561-1226.
T: Please turn in
LF!
Caltech Ballroom Dance
complete an official
of the
Fall
of the 1 07th
Full Mouth Cleaning/Polishing
students will
June
con­
beginning and inter­
"What truly annoys
travel needs.
15th, and Novem­
announces the continued
Suite L-2, Pasadena.
and Children's
Scholarship: the top
Student
Caltech Officially Approved
Ser­
~
and
As­
June 3rd, between 4 and 6 p.m.,
your address turned in by then, a
your mailing address by June 2nd
Remember that if you do not have
these are "small plays" they will re­
tions, this is your chance! Audi­
to SAC 27-58.
INTRODUCING
Seven days

WEDNESDAY NIGHT
Dinner Specials
INNER with soft drink $6.25

INTRODUCING

The Caltech Math Club Student As­
sociation will hold Muslim Friday
Prayer weekly in the Vlounge at
12:15 p.m.

"Take a Break and Spend Some
Time with Friends." The office of the International Student Pro­
digrams would like to invite you to
our Open House for coffee, tea
and conversation. Every Wednes­
day from 4:00 p.m.
- 7:00 p.m. in
the office of International Stu­
dent Programs, Olive Walk. Open
to the entire Caltech community.

The Caltech Muslim Student As­
sociation will have falconry tickets
to Walt Disney World for $35 a piece
for the performance at 1:00 p.m.
July 25th at the De Bell Stadium. Tickets must
be purchased from the Yon the sec­
nd floor of Winnett; only two
tickets per person, please.

Caltech has publicly announced
its right to create lots and lots of
"noise, dust, vibration and utility
interuptions as a result of con­
struction of the Avery House at
293 S. Holliston Avenue, now from
August, 1996 from 6:30 a.m. to 5:00 p.m. daily."
For further information or specific
details, please call extension 4724.

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to the entire Caltech community.

The Gay, Lesbian and Bisexual
Support Group meets the first
and third Tuesdays of each month
at 7:30 p.m. in the Health Center Lounge. This confidential meet­
ing is open to all Caltech commu­nity members looking for a sup­portive context in which to ad­
dress questions and concerns about sexual orientation – includ­
ing coming out, being out, self­
discovery, coping with families....
We begin with a focus topic but
move to whatever is feeling most
relevant to the group that night.
Refrshments are served. For in­
formation, call 395-8551.

The Theater Arts of Caltech present their performance of As­
sassin, based on the book by John Le Carré and produced and
staged by the Caltech Theatre Group. Tickets are available ahead of time through the Caltech Ticket Office (x4602.
tickets@caltech.edu); admission will be $5 for students with ID, $10 for general admission. Group rates are available.

The Caltech Ballroom Dance Club will begin their fall season of "Take a Break and Spend Some
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