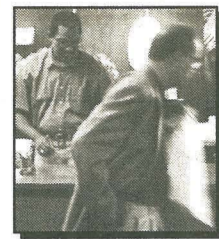
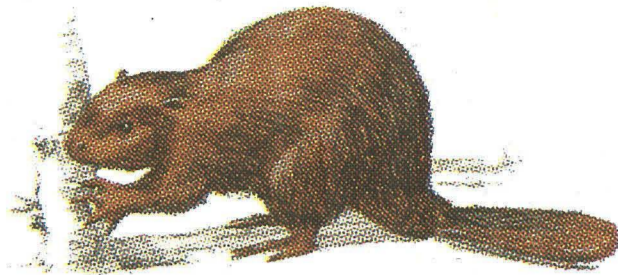


Too busy to catch the latest news? Read The Outside World

see page 3



Bookstore employees respond to the new management.

see page 2

THE CALIFORNIA TECH

VOLUME XCVII, NUMBER 27

PASADENA, CALIFORNIA

FRIDAY, MAY 17, 1996

KROQ to broadcast from Caltech

FROM PUBLIC RELATIONS

KROQ-FM's popular talk show Loveline will broadcast live from Caltech's Beckman Auditorium as part of a symposium, "Violence Against Children in the Home: Rx for Prevention," on Sunday, May 19, from 7:00 p.m. to 10:00 p.m. Admission is free, but tickets are required. An hour-long panel discussion on this important topic will precede the two-hour broadcast, which will be dedicated to questions about child abuse. The panel discussion will start at 7:00 p.m., and the broadcast, which is heard on stations across the country, will start promptly at 8:00 p.m.

Loveline, cohosted by Drew Pinsky, MD, alias "Dr. Drew," and improvisational comedian Adam Corolla, features phoned-in questions from teenagers and young adults about sex, relationships, drugs, and mental health and medical issues, including abuse. The panelists include:

- Drew Pinsky, MD, alias "Dr. Drew,"

cohost of KROQ-FM's talk show Loveline and president, Pasadena Medical Society

- Astrid Heger, MD, director of the Center for the Vulnerable Child Intervention Program at Los Angeles County/USC Medical Center

- Roy Antelyes, MD, emergency physician and chair of Huntington Memorial Hospital's suspected child abuse and neglect team, and a member of the Los Angeles County Task Force on Child Abuse
- The panel discussion and radio broadcast are being presented by the Pasadena Medical Society and cosponsored by Huntington Memorial Hospital, Las Encinas Hospital, Methodist Hospital of Southern California Medical Staff, St. Luke Medical Center, and San Gabriel Valley Medical Center and Medical Staff, in cooperation with Caltech.

Tickets are required for admission. To reserve your free tickets, call Caltech's Ticket Office at 818-395-4652, or toll free at 800-423-8849.



Stale Urine will be performing at noon on Thursday, May 23, at noon in front of Winnett as part of the Caltech Y's Noon Concert Series. Pictured (L-R): Mike Benedetti, Heidi Hofer, Anh Vu, Alex Dunn, Michael Radford.

PHOTO COURTESY PACIFIC RECORDING AND TRADING COMPANY

Aldana, Verhoff, Zhang win leadership awards

BY SUZETTE CUMMINGS

Carlos Aldana, Laura Verhoff, and Jian Zhang were awarded the Robert L. Noland Leadership Award in a dinner presentation at The Athenaeum on May 15, 1996. The Robert L. Noland Leadership Award is for outstanding Caltech students who have demonstrated exceptional leadership abilities.

Carlos, a senior in electrical engineering, received the award for his nearly four years of involvement in a wide variety of activities. While not always having a formal leadership role, Carlos has worked behind the scenes to encourage his peers. He has been involved in athletics including varsity soccer and Tang Soo Do. In addition, he has been a member of the Society of Hispanic Engineers and the Society for the Exploration and Development of Space (SEDS) where he worked on the GAMCIT gamma ray detector project. Carlos was one of the original students who founded E-Club, the entrepreneur club on campus that has become extremely popular within the last year. This club now has more than 200 members.

Laura, a senior in environmental engineering, received the award for her leadership and her service to her fellow students, particularly through



Laura Verhoff, left, Jian Zhang; right, and Carlos Aldana; not pictured, were this year's Noland Leadership Award winners.

her significant involvement in the Athletic Department. Since her freshman year, Laura has been involved in helping Athletics develop programs that support its students' emotional, as well as physical, needs. She was one of the original founders of the Athletic Council for Mentoring and Education (ACME). This group has been extremely successful in providing guidance for student athletes. Laura has also been active her in house and was the first woman ever to serve on the Page House executive committee.

Jian, a senior in biology, received the award for her leadership and service in a wide range of campus and community activities. Last year she

was the editor-in-chief of the Big T. She has also been vice president of the premed club, a health advocate in her undergraduate house, secretary of Tau Beta Pi, and secretary of the Student Affairs Advisory Committee.

On the latter committee, she worked with her peers to improve the quality of life for undergraduates. She has also tutored her peers in various subjects and has served as a peer coach for the SURF presentations. Jian's involvement in service to the broader community has been primarily through volunteer work at Saint Luke's Hospital and a local elementary school. She also delivers hot meals to home-bound AIDS patients.

PHOTO COURTESY DEAN'S OFFICE

Glee Club concert tonight

BY MONICA J. HUBBARD

The Caltech Men's and Women's Glee Clubs and the Caltech Chamber Orchestra will present their Spring Concert today and Saturday at 8:00 p.m. in Dabney Lounge. Featured works on the program include Randall Thompson's "Place of the Blest" performed by the Women's Glee Club, Monica Hubbard, Director; Brahms's

"Alto Rhapsody" sung by the Men's Glee Club, Don Caldwell, Director. Allen Gross will lead the Chamber Orchestra in Saint-Saens Violin Concerto and Aaron Copland's "Appalachian Spring".

Admission is free. Get there early if you want seating — the December and March concerts had standing room only. A reception will follow both concerts.

Preliminary Election Results 1996-1997

Senior Class President: **Gretchen Larson**
Senior Class Secretary/Treasurer: **Shirley Chen**
Junior Class Secretary/Treasurer: **Katie Stofer**

Numerical results will be made public when the election is official.

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LETTERS TO THE EDITOR

Bookstore given no chance to debate Barnes & Noble takeover

An open letter to Ann Bussone, Director of Employee Relations

Dear Ann,

It has come to our attention there are some misunderstandings regarding the Bookstore staff and the Barnes & Noble takeover. We would like to take this opportunity to let you know what our position is.

We had no prior knowledge of the Barnes & Noble takeover. Even though we are aware that leasing arrangements occur in the college bookstore industry, we felt that the Caltech Bookstore was not a candidate for this, as we are making a profit and had been given a two year plan by Stan Borodinsky to correct problems that became apparent with the last inventory. This naturally led us to believe that no one at Caltech was considering a leasing option. There-

fore the announcement on Monday, May 6, 1996 came as a total shock to the entire staff, and is causing immense personal problems for all of us. We know that at other schools the decision to lease is made only after extensive discussions between administration, faculty and bookstore management. Normally the bookstore management is given an opportunity to present a counter proposal. Since none of this occurred here, we felt saved from such an action.

We have also heard rumors that the administration was told that we were losing money, and that specifically our office supply department was losing sales. In fact, the store is making a profit and this fiscal year our office supply sales are up an average of 7% from last year. Corroborating paperwork is available to prove this. Whether these rumors of what the administration was told are true or not, the fact remains that the bookstore was not involved in the decision-making process and was not given the opportunity to defend its position before being eliminated.

If, after careful and open

discussion of all the facts and figures with all parties involved, and after allowing the bookstore to present a counter proposal, and after receiving competing bids, the university feels that leasing is the best option, then the bookstore staff would be saddened, but would understand the necessity of the business decision. However, in this case we do not feel that the decision was reached in a responsible manner.

Therefore, we protest the decision to lease without being allowed to defend ourselves, and state that we had no prior knowledge of this action, and in fact were deliberately led to believe that leasing was not being considered at Caltech.

- LINWOOD TABATA
- SYLVIA FORD
- CINDY HANSEN
- JOYCE ROBERTS
- ANGELICA HERNANDEZ
- GREG MILLER
- SANDRA PELAEZ
- LAURA FRAER
- ADRIAN FOUSHEE
- COLIN CUELLAR
- ANDREAS FEUERABENDT

Olive Walk trees sprayed at an inconvenient hour

Dear Editor,

They are at it again. On Wednesday (May 15), the trees on the Olive Walk were sprayed. All of us walking to 9:00 a.m. class had the opportunity to experience a pervasion of wonderfully noxious fumes. I am amazed that the time chosen for spraying conflicts with a time when the Olive Walk will be heavily populated. I first heard about this via an e-mail message. This should have been far more publicized than it has been. Additionally, it seems that the complaints I voiced last year were completely disregarded. The contents of the spray should be made readily accessible. Moreover, there should be early warnings concerning campus sprayings. Lastly, it should be done when fewer people need to interact directly with the spray. It could be done in the fall while many people are at Frosh camp. It could be done

on a Sunday morning when most people are asleep. It could be done during the summer when fewer students are around. (Even better, one could combine these suggestions and do the campus spraying on a Sunday morning during the summer!)

MASON PORTER

Please send submissions for Letters to the Editor to :

The California Tech
Caltech 40-58
Pasadena, CA 91125

or by electronic mail to:

editors@tech.caltech.edu

Deadline for submissions is Monday at 5 p.m. on the week of publication.

Submissions must include the author's name, and phone number or e-mail address. All Letters to the Editor must be signed.

The editors reserve the right to edit or refuse to print any letter for any reason.

Caltech Men's & Women's Glee Clubs
Caltech Chamber Orchestra

present

SPRING CONCERT

featuring

Johannes Brahms' Alto Rhapsody
Aaron Copland's Appalachian Spring
Camille Saint-Saens' Violin Concerto
Randall Thompson's Place of the Blest

Two Performances Only
Friday and Saturday, May 17 & 18 at 8:00 p.m.
Dabney Lounge, Caltech

Limited seating so come early!
Reception following concert

CORRECTION

The 180 & 188 Catalina spaces are going to Property Management, not to graduate student housing. While graduate students do reside in Property Management operated units, they are not exclusive to graduate students.

The Entrepreneur Club invites you to attend...

Technology and Entrepreneurship

Presented by

Charles Trimble, President and CEO
Trimble Navigation

Date: Thursday, May 23
Time: 5:00 PM
Location: 102 Steele

Refreshments will be served!

AlliedSignal Corporation Special Grants Program at Caltech

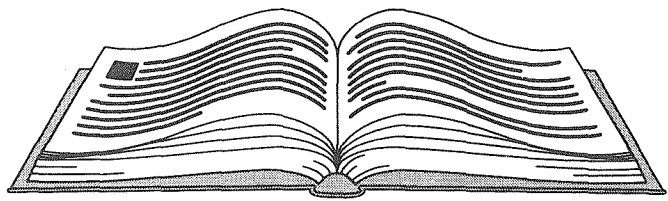
Purpose: To provide grants to student organizations that support the educational research, public service programs, and other pertinent activities at Caltech.

Funds Available: \$7,000; program target is 3 - 5 grants of up to \$2,500.

PROPOSAL SUBMISSION DEADLINE
MAY 28

For more information on the program and submission process, please contact **Barbara Green, Associate Dean, at x6351** or **Kevin Doody, Acting Director of Corporate Relations, at x6373**

ARC Minutes



MAY 5 & 12, 1996

May 12, 1996

On hand for the festivities: Casey Huang, Niniane Wang, Jonathan Little, Jeffrey Miller, Kohl Gill, Katie Stofer, Joe Renes, and myself.

The meeting started at about 2:15 p.m.

- We postponed choosing new ARC Reps-at-Large until the next meeting (since it was pointed out that the signup sheet was vague on when the statements were due). We will make our decisions next meeting, so statements are due this Friday, May 17, at midnight (e-mail them to me, kshekar@cco).
- The ARC hotline is not up yet, but will hopefully be up soon. It will be an account for students to e-mail us suggestions, comments, and complaints about classes or whatever. As always, of course, your house ARC reps can serve this purpose, too.

- Check out the article on

page 5 which describes class changes that will be in next year's catalog.

- Your house ARC reps will be soliciting interest on classes you are interested in seeing taught at Caltech. Look for that.

- Your house ARC reps will also be soliciting your opinions soon on candidates for ASCIT teaching awards, which go to exemplary professors and TA's.

The meeting ended at 3:30 p.m.

May 5, 1996

Present: Jeff Miller, Katie Stofer, Jonathan Little, Jennifer Miller, Niniane Wang, Joe Renes, Andrew Huntington, Kohl Gill, and myself.

The meeting began at 2:15 p.m.

- The house ARC reps were given information to give to the members of their house. Here is the rundown of what you should already have been told (if you haven't, let me know...we have ways of dealing with ARC reps who don't comply).

- Bi 115: The textbook for this class costs 300 freakin' dollars. We know that's a lot of money. The bookstore will accept returns on this book until May 17. It is advised that you return the book if you don't think you will need it (of course there is the option of seeing a friend of mine named Kinko who can get you a very similar version of the parts of the book you need for the class for about \$25).

- Spanish: We will finally

have a Spanish class. Both Elementary and Intermediate Spanish will be offered as full year courses next year, Elementary Spanish for 10 units (3-1-6) and Intermediate Spanish for 9 units (3-0-6).

- ARC Line: We will soon have an e-mail account on cco for students to e-mail us suggestions, comments, & complaints about any facet of academics and research life here at Caltech. The e-mail address will most likely be arc@cco...real original, I know. By the way, if you have anything to say about the CLUE (comments, suggestions, complaints, etc...) send them to clue@cco.

- Reps-at-Large: The signup sheet is up on Winnett and will come down Friday May 10th. Interested candidates should sign up on the sheet and e-mail kshekar@cco a 100-200 word statement detailing your reasons for wanting to be an ARC Rep-at-Large and what prior experience you have. Note: Prior experience is by no means a prerequisite...we are just curious about your previous involvements. The most important requirement is the will to work. For information about what the job entails, please see your house ARC rep.

- Core Courses: Many of you may not know this, but there is a one year time limit on core courses. You have to take your freshman core (i.e. Chem 1, Chem3a, Math 1, and Phys 1) before your junior year, or you will not be allowed to register until you add the class(es). Similarly, sophomore core courses must be taken before your senior year.

The meeting ended at 4:30 p.m.

Kiran Shekar
ARC Secretary

P.S. Write those CLUE reviews!

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SUMMER WORK-STUDY APPLICATIONS NOW AVAILABLE

Information and applications for 1996 Summer Work-Study are available in the Financial Aid Office. If you are interested in Summer Work-Study, please submit the required application as soon as possible, but no later than June 3, 1996. Your entire financial aid application must be complete by June 3 to be considered. If awarded, the work-study funding will begin with the July 7th payroll period.

The Outside World

by Myfanwy Callahan

ABIDJAN, IVORY COAST— Ghana has accepted 3500 refugees from Liberia that came on a Nigerian freighter. The Ivory Coast had refused to give them asylum, and Ghana tried to chase the boat away twice, but took in the refugees after increased international concern about the refugees. The boat was taking on water and the passengers were extremely low on fresh food and water.

KATMANDU, NEPAL— A blizzard, which swept over Mount Everest last weekend, led to the death of at least eight climbers. A helicopter rescue pilot said the peak looked clear of climbers. The last came down to base camp Wednesday.

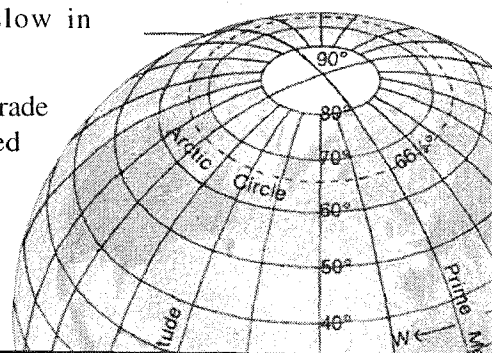
RAMPUR, BANGLADESH— A tornado that hit Bangladesh on Monday killed at least 443 people, injured over 32,000, and destroyed 80 villages in the Tangail district. The reports initially underestimated the damage, so emergency help was unfortunately slow in coming.

SHANGHAI, CHINA— A trade war between the United States and China looks more likely, after two days of talks ended without resolving the issue of pirating

American goods in China. A list of pirated wares totaling \$3 billion showed the goods that could be subject to a 100% tariff if exported to the U.S.

MIAMI, FL— The crash of a ValuJet DC-7 on Saturday has caused a debate about the safety of airplanes operated by low-cost airlines. All 109 people aboard the plane were killed in the crash. Major transportation officials differed significantly in their appraisal of the safety of the airline before the accident.

PONTIAC, MI— Dr. Kevorkian was found not guilty of violating common laws against suicide assistance in Michigan last Tuesday. This closed two cases that were the most significant of the 5 acquittals he has won at three trials. Dr. Kevorkian told reporters after the verdict, "For any enlightened human being, this can never be a crime."



THE CALIFORNIA TECH

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Letters and announcements are welcome. All contributions should include the author's name and phone number and the intended date of publication. Letters to the Editor must be signed. Submit copy (preferably on Macintosh 3.5" disk) to the Tech mailbox outside SAC room 40, or e-mail to 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.

Letters to the Editor must be submitted by 5 p.m. the Monday before publication. Events and Notices listings must be submitted by 5 p.m. Tuesday. Unsolicited articles must be submitted by 5 p.m. Tuesday. News articles must be submitted by noon Wednesday.

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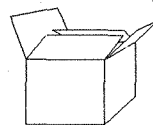
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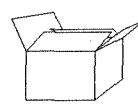
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Trust Me...

by Keith Counsell

Hello, loyal reader. As you can probably tell, my imagination is proving to be considerably less fertile than is good for you, the Tech, and my odds of passing this particular class. If you'd like to help everyone out, send your suggestions for article topics to keithc@cco, call me at x1516, or, if you feel really wacky, mail them to MSC 196.

This week's topic: What I really learned at Caltech.

OK, everyone comes here to learn about Science, and everyone does. After years of filling my porous little brain with all kinds of facts, figures, formulae, and filth, I've come to the conclusion that it pretty much doesn't matter. So here's some of what I feel is the really important stuff that I've picked up during my stay here.

Hygiene is important.

While this should be fairly obvious, I'm constantly amazed by how many of my supposedly brilliant peers seem completely oblivious to this simple fact. I admit that as a kid I was pretty lax about the whole bathing thing. It was *such* a pain in the butt to have to interrupt my busy evening of crawling around in the dirt and muck to get clean. I guess if you've read "Calvin and Hobbes" you know the drill. Luckily, I got over this little hangup.

Here at Caltech, where you are likely to spend lots of time with the same people day in and day out, you'd think it would be immediately clear that it's better for all concerned when you don't stink. For other people, it's great not to have to smell your reeking scent from across the hall. For you, it's a big social plus. Unless they *really* suck, people will usually at least speak to clean people, even if they look like freaks.

Alcohol is good.

There are a few caveats to that, of course. For one thing, I would certainly never advocate under-age drinking¹, since that would be a violation of DAPAC, for which I have nothing but the utmost respect². You should also keep in mind that alcohol isn't a great solution for all of life's problems. On the other hand,

sometimes it is a pretty good approximation.

.....

*Unless they really suck,
people will usually at
least speak to clean
people, even if they look
like freaks.*

.....

Maybe it's just me, but I find that while I enjoy the company of more Techers than the people I knew in high-school, I also have a harder time making close friends here. There's all kinds of possible explanations for why this is true, but I'll just gloss over them for the time being. Turning to people whose job it is to help me out, like RAs and the people at the Counseling Center (which, incidentally, is not named after me or any of my relatives), doesn't usually work out all that well. There's something about the professionalism of it that makes me hesitant to fess up to what's bothering me, although it makes things pretty helpful at first.

Anyway, I'm sure you're wondering what that has to do with booze. Naturally, if you don't have close friends you feel you can talk to about your problems and you don't want to deal with someone else, you look around for other solutions. Alcohol isn't a good one, as I mentioned before, but it did help me through some otherwise intolerable times. Although this probably violates all of the rules of good journalism, I'd like to take this opportunity to quote the late Sam Kinison, who said, "Every once in a while you've got to think about the woman who

broke your heart and go, 'Oh, make that two fifths of Jack Daniels!'" Jack and I were real close friends for a while....

Anyway, the upshoot of my experiences with this is that I think the effects of alcohol are way underrated by American culture. It helps you relax: I can only begin to imagine the damage I would have caused certain members of my house if I hadn't been in a drunken stupor when they did something exceptionally stupid. It helps to remove your problems from the top slot in your mind, if only temporarily and in a relatively self-destructive manner. Conveniently, this leads to my next important lesson.

Vomit is bad — usually.

You are no doubt thinking that this is fairly obvious. Well, sure. Throwing up is, typically, an unpleasant experience. In fact, the only times in which I have found vomiting to be a fairly rewarding experience have been after I have been what could be termed, technically, way too f---ed up. In those situations, it's a cleansing experience. Lacking any religious conviction of significance, I can only imagine that purging yourself of an excess of alcohol is akin to being touched by the hand of God.

Being sick, *really* ill, is at the other extreme. Few things are less exciting than spending a sunny weekend hunched over the toilet praying for the stream of bile coming from your mouth (and if you're really bad, your nose) will end. However, there's another up side to vomit which I assume most of you are familiar with: It's funny. Think of all the wonderful expressions you've heard for throwing up. It would be a waste of space to go through the whole list, but just in case you haven't been exposed to it I will mention my favorite, "technicolor yawn." "Whistling beef" is a close second, although that perhaps has some sexual overtones depending on how perverse (or drunk) you are.

¹ This is a blatant lie.

² Oh look, another one.

Rag Time
on Green

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Minutes

MAY 13, 1996

Present: Dave R., Maria, Dave B., Grace, Alexis, Emily, Kohl, Gavin, Melissa

Meeting starts at 10:07 p.m.

- Melissa wanted to encourage the everyone to go to the open forum on the diversity at Caltech, sponsored by the Multicultural Taskforce.

Officers' reports were given.

- Alexis has been handing the new copier account numbers in to Graphic Arts. If you have submitted a copier account request form, try your account number (your SSN without the first digit) before you bug her about it again. Do not expect a written confirmation because it would be a waste of paper.

- Emily has been working on transportation and seating arrangements for the formal. If you need transportation to Marina Del Rey, contact Emily at enuky@cco. Also, if you would like to make her life easier, hand in a seating plan for groups of ten people. This way, she won't have to think too hard.

- Kohl says that last week's and this week's ARC minutes will be printed in this edition of the *Tech*. Representatives at Large have not been appointed yet because not everyone who was interested got a chance to submit their statements. Talk to ARC Reps about Caltech Teaching Awards.

- Dave B. and the IHC will be holding interviews for the Student-Faculty Committees soon.

- Maria says nothing exciting is going on, well at least nothing she can share.

- Grace has pulled down all the signups, *except* for the Big T Business Manager. The one signup will remain posted till Wednesday of next week. SIGN UP!!! Interviews for the appointed offices will most likely be held Monday 10 p.m. and Wednesday 10 p.m. Those who have signed up will be notified.

- Dave R. says that Lori has contacted him with a budget for the Taiwanese breakfast. She is asking for \$30. ASCIT gave the Taiwanese Students' Association \$30, 6-0-0.

Meeting closed at 10:40 p.m.

Respectfully submitted,

Grace Yang

ASCIT Secretary

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'96-'97 Course Changes

BY KIRAN SHEKAR AND KOHL GILL

This is a list of changes of undergraduate courses to go into the 1996-97 catalog. This list covers most of the classes that have been approved by the Faculty Board Committee this year. They will be looking at another huge batch before year's end.

ChE

Deleted:

ChE 104
ChE 151

Added:

ChE 152 Heterogeneous Kinetics and Reaction Engineering (3-0-6) 1st term.
Prereq: Ch E 64

Changed:

ChE 110 change units: 12 -> 9 units
They assured us of a corresponding reduction in workload.

Ch

Changed:

Ch 3b Added to option requirement
Ch 140 Prereq: APH 9

E&AS

Deleted:

AM 96 & 97

Added:

CS 141 Distributed Computation Laboratory (3-3-3) full year
Prereq: CS 20 or equiv. Offered alternate years.
Instructor: Chandu
CS/CNS/EE 156 ab Learning Systems (3-0-6) 1st & 2nd terms
Prereq: Ma 2 & CS 2.
Instructor: Abu-Mostafa
AM 66 Vibration (3-0-6) 3rd term.
Prereq: AM 35, Ma 2

Changed:

EE153/154 Material from both courses combined into new 153 Microwave Circuits and Antennas (3-2-7) 3rd term offered alternate years
not offered 96-97
Instructor: Rutledge
CNS/Ph 175
Prereq: Ph 12 and programming skills
EE 14 Replaced by EE 20ab (3 terms -> 2 terms) Corresponding change in EE option req.

CS/Ma 6 Change in course description
AM 35 Change in course description
ME/CE 96 Prereq: ME 18ab & AM 35ab. Minor change in description. 6 or 9 units
Instructor: Hunt

Bi

Deleted:

Bi 7

Added:

Bi 80 Senior Thesis Seminar (3-0-0) 1st term Coreq: Bi 90.
Instructor: Revel, Schuman

Changed:

Bi 10 Units (0-4-2) -> (1-3-2)
Minor change in description
Bi 11 Prereq: now Bi 1 or Bi 9
Bi 123 Units (0-4-2) -> (0-6-3)
Minor change in description
Bi 90 Coreq: Bi 80

H&SS

Deleted:

H 112, 114, 115, 118, 132, 135, 149,
Lit 146ab
PI 190

Added:

H 120 Europe and Asia, 1500-1900* (3-0-6) Instructor: Fay
H/Hum 130ab Cinema and Society* (2-2-5) Instructor: Rosenstone
H 140 History of LA* (3-0-6)
Instructor: Deverell, Flamming
H 141 History of 20th Cent. American City* (3-0-6) Instructor: Deverell
H 142 History of California* (3-0-6)
Instructor: Deverell
H 143 Western Environmental History* (3-0-6) Instructor: Deverell
H 144 Topics in the History of American Immigration* (3-0-6)
Instructor: Deverell, Flamming
H 150ab African American History* (3-0-6) Instructor: Flamming
Hum 5ab Enlightenment to Revolution: History, Thought, Culture (3-0-6)
L/Lit 162 Latin American Literature in Translation (3-0-6)
Lit 147 American Assimilation Narratives* (3-0-6) Instructor: Jurca
SES/H/Lit 128 British Science Fiction* (3-0-6) Instructor: Winter

Changed:

Ec 155 Minor change in description
PS/SS 125 Minor change in description
L 105 Now advanced Hum credit
L/Lit 160 Minor change in description

PMA

Changed:

see CNS/Ph 175
see Ma/CS 6

ADAM VILLANI: MEDIA GUY

BY ADAM VILLANI

Institute Benjamenta or This Dream People Call Human Life

This is one of the strangest movies I have ever seen. It's beyond *Tetsuo: The Iron Man* and perhaps in the same league as *Eraserhead*. *Institute Benjamenta*, the first live-action feature from animators The Brothers Quay, tells the story of a young man enrolled in a school for domestic servants whose coursework consists of the endless repetition of a single lesson. It's based on the writings of Robert Walser, a German from the early 20th century who inspired Kafka, and aside from the soundtrack, the film has the look and feel of something they might have dug up from 1917 to show as a double feature with *The Cabinet of Dr. Caligari*. Watching this movie is like watching a movie while half asleep; the disjoint narrative seems to be connected by images taken from the scenery transformed into something new as one's mind drifts in and out of consciousness. If weird movies turn you off, do not see this movie. But I assure you that while it may not make any sense, the visuals in this movie will be like no others you see this year. *Institute Benjamenta* played last weekend at the Nuart; it may show up elsewhere.

People Magazine's "50 Most Beautiful People in the World"

The idea of compiling such a list is absurd in itself, but the collection of celebrities *People* magazine has come up with, complete with assurance that "charisma counts as much as comeliness," defies any logical explanations. They seem to have begun by naming a few supermodels (who, in general, have about as much charisma as a box of rocks), compiled a list of anyone who's appeared in the magazine in the past year, and then, after removing anyone downright ugly, drawn names out of a hat. How else can you explain the inclusion of the likes of David Duchovny and Brooke Shields? A few of the entries have both looks and personality—Mira Sorvino, Ashley Judd, and Mel Gibson are all good choices. Then there are the simply goofy people who made the cut—etiquette guru Martha Stewart, zookeeper Jack Hanna, and (my favorite) "America's Most Wanted" host John Walsh in a leather jacket, who all mysteriously beat out former "Sexiest Men Alive" Sean Connery and Patrick Stewart. Curiously enough, nearly all of the Most Beautiful People in the World are American. Maybe we use our disposable income on skin creams.

Radio Station Y-107

In case KROQ is playing a commercial, you can easily move the knob over a little to pick up this near-clone in most of Southern California. Launched a month or so ago, this station is pretty much KROQ without the DJs. I'll leave it up to you to decide if that's a good or bad thing. Actually, I think Y-107's mix of older songs that they stick inbetween the likes of Bush and Candlebox may be somewhat better than the ROQ's, but this may not hold with repeated listening. At least these guys have the honesty to call themselves "modern rock," a much more accurate and less grating term than "alternative."

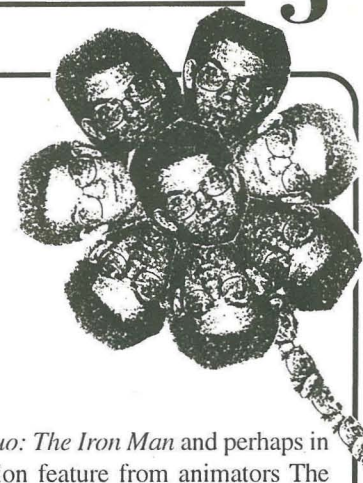
A Sleazy Ad

This week's sleazy ad can be found on the back cover of the LA Weekly. Check out that kid's shorts.

More Recommended Movies

These movies are a little old, so I won't waste too much space, but they may still be playing in a few places (check out my guide to cheap theatres in the *little t*) or be showing up on video in a few months. I recommend all of these.

SEE THE HEAD ON PAGE 7



msn.
The Microsoft Network

What's your start page?

my start page is
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and a bag'a chips.

Is that a good thing? Maybe we ought to rephrase the question: What do you use to launch your online adventures? If you had MSN's Custom Start Page, all the stuff you like best and all the things you need most would be right there, right in front of you. Web links and search engines, headline news, movie previews—even comic strips. You pick what you want and forget the rest. www.msn.com. It's all that and, uh...more.

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Y
news
by Bradey D. Honsinger

Take a break before coming back next term — spend a week this summer hiking in the Sequoia National Forest with this year's Y Hike. The Y Hike is a great opportunity to relax before coming back to school, and it's also a good time to meet next year's freshman. This year's Y Hike will be from September 14 through September 24, two weeks before the term starts and one week before Frosh Camp. If you want to go, stop by the Y and pick up an application soon — the Hike usually fills up fast. Talk to Chris Sundberg (x6163, sundberg@starbase1) or Mike Rhoads (mikerds@cco) for more information. Pick up your application today!

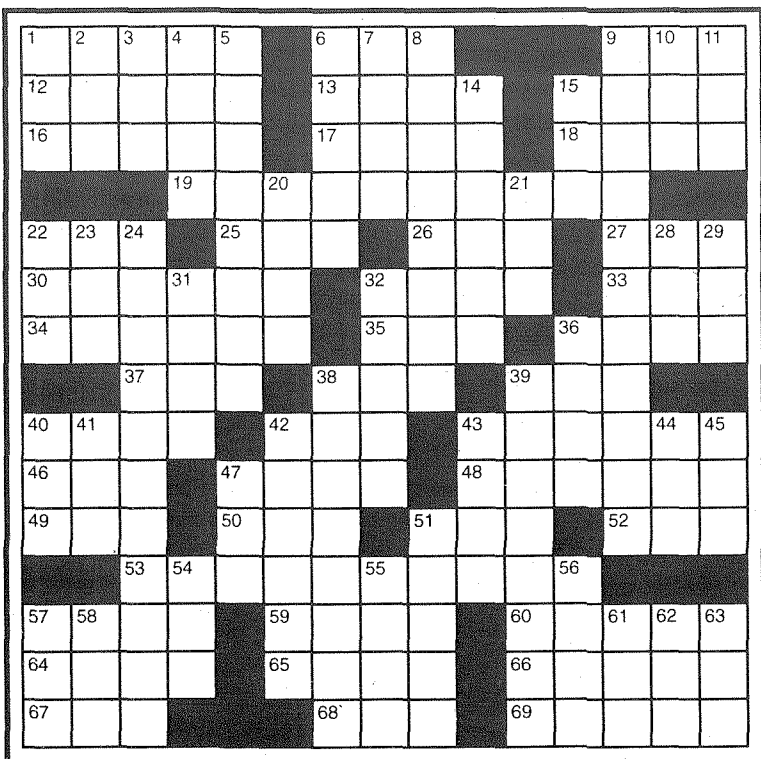
OOPS!
Due to a mechanical failure, the Tech never received Phil Rodriguez's statement for Junior Class President. Both statements are being reprinted, and the election for Junior Class President will be held Monday, May 20.

JUNIOR CLASS PRESIDENT

The officers for the junior class shall be responsible for organizing a Freshman-Sophomore Event during the first term of each academic year. They shall also be responsible for obtaining a speaker for their class's commencement exercises.

CROSSWORD

by Wei-Hwa Huang



ACROSS

1. With 69-Across, what you should listen to every night
6. Soak up
9. Tory toilet?
12. Inaccuracy of 53-across, probably
13. Do-it-all logic gates
15. Satiated
16. The Tin Woodman's target? (2 wds.)
17. Biblical brother
18. Goldilocks, when found
19. With 53-across, where you can get 1-across
22. Flic tic

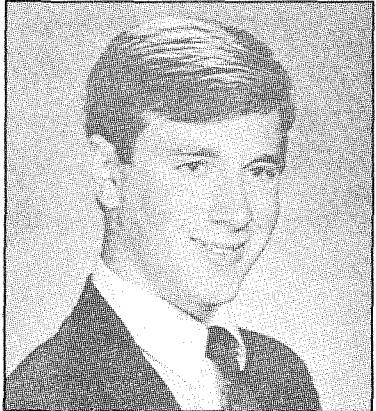
25. Gave food to
26. Lethal insecticide
27. "Cool, Dude!"
30. Brave new world?
32. Action
33. ___ Mahal
34. More gloomy
35. Made an egg
36. Humbug prefixes
37. Actor Beatty
38. Pea place
39. Scratch
40. Mr. Murase the Mole
42. Middle East "party"
43. Gaudy
46. Something to grind
47. Tie in

48. Comprehension
49. Phoenician capital
50. Writable memory
51. This st.
52. Bill the science guy
53. See 19-across
57. When a door is not a door
59. Town in Indiana
60. Grow turgid
64. Wesley in "The Princess Bride"
65. A frosh, for example
66. A bird's thumb
67. For 40-down
68. CGS joule
69. See 1-across

DOWN

1. Prefix for at or mach
2. AM units
3. Ren's sound
4. Bring in the horses
5. Checked
6. Bullock's block-bus-ter?
7. Beer kiln
8. Make like a possum
9. Jarah Evslin, maybe?
10. Mexican rah
11. ___ Black Joe
14. The day after tomorrow
15. Aficionado
20. Come closer
21. Cousin Addams
22. Warcraft 2 scenario file
23. Judge Lance
24. Vicki, to Carol
28. Scream of pain
29. Rulers of 1-across
31. D. Relyea's job
32. Greatest integer function
36. The other Simpson
38. Early blossomer (2 wds.)
39. Long brown donut
40. See 67-across
41. Caltech's "sister" school?
42. Mercury, for example
43. Hindi gum
44. Up in the air
45. Haw's predecessor
47. Where some Techers go
51. Jim the frosh
54. Ending for pill or alleg
55. Level
56. Ms. Fitzgerald
57. Make a scene?
58. ___ Alai
61. Libyan lute
62. Aladdin's disguise
63. The way

Michael Shumway

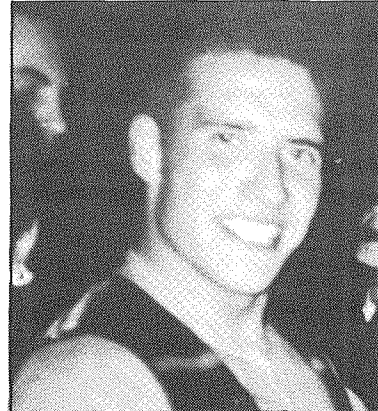


My Fellow Juniors in 1996-1997, My name is Michael Shumway and I am asking for your vote in the upcoming election for Junior Class President. In the following I would like to inform you of the responsibilities of the office and some of my qualifications for the position.

There are two main duties of the Junior Class President. The first is to organize a Freshman-Sophomore event. I plan on getting input from these classes to put on an event that promotes both class participation and class interaction. I feel capable in taking on this task since in High School I was given the responsibility of planning, developing, and conducting an entire weekend activity for over 650 people. This was the first time that the complete program was handled by a student. The dedication and organization that I have gained will definitely help in the handling of this interclass event.

The second role of the Junior Class President is to serve on the commencement committee. This entails determining the structure of the commencement ceremony, the activities during commencement week, and most importantly for our class - helping find a commencement speaker for our own graduation. I believe I can fill the office of Junior Class President because I am willing to listen and gather input from the class, and promote the class's best interests. I have served as Fleming House Secretary and UCC this year and I am a devoted, hard worker who can easily get along with others and work to accomplish the goals set. Thank you for your consideration, Michael Shumway (Class of 1998)

Phil Rodriguez



President. Phil. They both start with a "P." Coincidence? I think not.

In other words, when it comes to Junior Class President, Phil Rodriguez is the one you want for the job. Not only have I had much leadership experience, but I am also a hard-worker, have a lot of good ideas for the -frosh-sophomore event next year, and can do a back 1 1/2 pike off the one meter springboard. Also, my sister Lisa Rodriguez made dance team back in San Antonio (just thought I'd get that into the papers!).

But seriously, If Mudeo is what you want, then I'll make sure the best dang Mudeo is what you get ... muddy people and all. If that's not your style ... I'm open to suggestions. We could try a casino night, field day competition, sun-worshippers bake-off, American Bandstand dance-off ... I'm just full of ... um ... ideas! Yeah, ideas!

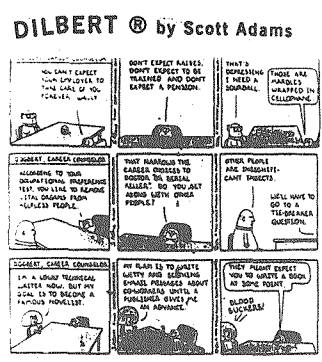
As for getting a commencement speaker, I will hustle to get one that will make our graduation memorable and fun. In order to do this, I will ask around to find out who we think the speaker should be ... what areas are we interested in, etc.

If elected, not only will I work hard at an awesome speaker, but I would also like to get a lot of input from the class that would make people want to come to the frosh-soph event and have a good time, and yes, I think it is possible. So for a good time, vote phil . . . er . . . you know what I mean. Vote Phil Rodriguez for Junior Class President!

And now, some poetry by my campaign manager, Alexis Johnson

Roses are red
Violets are blue
Vote for Phil and
Alexis will give you money!*

*Money clause: (see Alexis Campaign)



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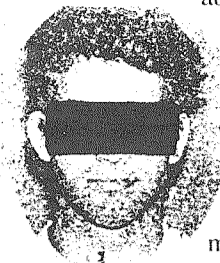
SUMMER JOBS—

DATA ANALYST NEEDED for summer in Solar Astronomy on campus, transferring data from magnetic tape to CD-ROMs. The position could be part time (20 hrs/week), or the applicant may request full-time work, which would then involve either programming or research in solar radio astronomy in addition to the data transfer task. Please call x3863 to inquire.

SUMMER OBSERVERS

There are several positions open for summer employment at the Big Bear Solar Observatory. The jobs involve solar telescope operation, electronics work, computer programming, etc. Free housing at Big Bear is provided, and cooking facilities are available. There are recreational facilities (boats, etc.) as well. Some astronomy, physics, computer science, or electronics would be useful. Positions on campus also available. Applications are available in 264 West Bridge, or can be obtained by calling x4011.

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.

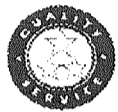


Angels and Insects—No ordinary British costume drama, this severely creepy tale about an entomologist who marries into an aristocratic family is sure to fascinate.
Antonia's Line—Staunchly feminist, this Dutch Oscar-winning generational tale gives each of Antonia's dozens of family members life that most movies don't give one character.
Chungking Express—Very different from most Hong Kong movies, this very stylish film from Wong Kar-Wai perfectly captures the feeling of being alone in a city of millions.
Dead Man Walking—Not so much either

pro- or anti-capital punishment, this movie's triumph is Sean Penn's genuinely moving portrayal of spiritual transformation and its recognition of human dignity in all of us.
Fargo—The Coen Brothers, who brought you *Barton Fink* and *Raising Arizona*, are back in this curious yet hauntingly magnificent small-town crime story. Frances McDormand is excellent.
Flirting with Disaster—David O. Russell's followup to *Spanking the Monkey* is the best American comedy in years. The one-liners, situations, and Mary Tyler Moore are all marvelous.
Land and Freedom—Brit Ken Loach's fiercely pro-Socialist look at the Spanish Civil War is an intensely human story that

stimulates thought and eloquently expresses what people were fighting for.
Rumble in the Bronx—What can I say? Jackie Chan is the most amazing physical performer in movies today, and a nice guy, too. Watching him is a pure thrill.
Wallace and Gromit: The Best of Aardman Animations—This collection from the multiple award-winning British animation studio showcases pure filmmaking at its best. There's something wrong with you if you don't like *A Close Shave*.
Wild Reeds—This French coming-of-age story is realism at its best; the awkwardness of youth is, without exploitation, allowed to breathe free as drama on the screen.

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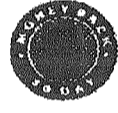
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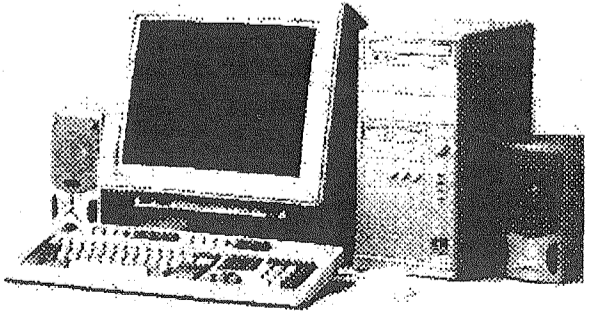
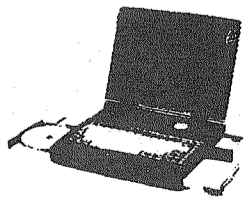
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Announcements

Sign-ups for letter jackets will be up in the seven houses and on the side of Winnet. Any athlete who has lettered twice in the same sport is eligible for a letter jacket. The cost will be \$50, with ASCIT paying for the difference in cost.

The Annual Career Development Center Student Surveys have been sent out to all graduating students. If you receive one, please fill it out and return it to the Career Development Center, Room 08, Parsons-Gates. If you are graduating and did not receive one, please pick one up at the Career Center.

Events

A panel discussion about diversity at Caltech will be held Today, Friday, May 17th, from 11:45pm to 1:30pm, in the Winnett Lounge, in order for students and faculty to have a chance to share ideas on what the student population should look like in the year 2000. Professor Morgan Kousser will be acting as moderator; a light lunch will be available beginning at 11:45pm. This forum is sponsored by the Multicultural Task Force. The whole of the Caltech community is welcome.

The Caltech Men's and Women's Glee Clubs and the Caltech Chamber Orchestra will present their Spring Concert Today and Saturday, May 17th and 18th, at 8:00p.m. in Dabney Lounge. Featured on the program: Randall Thompson's *Place of the Blest* performed by the Women's Glee Club (Monica Hubbard, Director); Brahms' *Alto Rhapsody* sung by the Men's Glee Club

(Don Caldwell, Director). Allen Gross will lead the Chamber Orchestra in Saint-Saens *Violin Concerto* and Aaron Copland's *Appalachian Spring*. Admission is free. Get there early if you want seating - the December and March concerts had standing room only. A reception will follow both concerts.

Caltech Chamber Music students will present three concerts this week, all in Dabney Lounge. The series begins with a noon concert Today, Friday, May 17th. Free lunch will be available to the first 100 people who arrive at this concert. Music will include two works by Mozart, a trio by Brahms, and a mixed bag of pieces for woodwinds and piano featuring several students who play more than one instrument. Sunday afternoon a concert will be held at 3:30pm including music as varied as a quintet for piano and strings by Shostakovich, a Mozart quintet, music for four trombones, and a Dvorak quartet for strings and harmonium. Refreshments will follow. Next Friday, a baroque era noon lunch concert with music by Vivaldi, Handel, Telemann and Praetorius; with free lunch.

The Caltech Ballroom Dance Club will hold their final waltz class tonight, Friday May 17th from 7 to 8:30pm in Winnett Club Room 1. Next Wednesday, May 22nd, they will continue their salsa class from 7 to 8:30 p.m. in Winnett Lounge.

The Skeptics Society will be presenting a lecture on "Quantum Quackery: Physics,

Mints

denotes a new announcement.

Metaphysics, and Flapdoodle, to be given by Vactor J. Stenger, Professor of Physics and Astronomy, on Saturday, May 19th, at 2pm, in Baxter Lecture Hall. Dr. Stenger will address "the misuse of quantum mechanics and modern physics" to New Age beliefs. Admission is \$5 for members and students, \$8 all else.

The last movie to screen in the German Film Series (emphasizing Swiss films this year) for the spring term is *Fruhlingsinfonie (Spring Symphony)* (1983). It will be shown on Wednesday, May 22nd, at 7:30pm in Baxter Lecture Hall. This film features English subtitles and is presented free of charge. For more information, please call 395-3610.

The Caltech Jazz Band will appear at Tower Records in Pasadena on Thursday, May 23rd, starting at 7:00pm. The jazz band will be promoting their CD, "Exothermic Jazz", which was released last year. In case you can't make this live appearance, you can always buy the CD at Caltech's own, fine bookstore for only \$10.

Dr. David F. Noble, visiting professor at the University of California, San Diego, will be giving a Science, Ethics, and Public Policy Seminar entitled "The Religion of Technology" on Friday, May 24th, at 3:30pm in the Judy Library. This seminar is free and open to the public; refreshments will be served.

This summer, the Caltech Ballroom Dance Club will continue to hold waltz and salsa classes. The waltz classes will be held Mondays from 7 to 8:30pm in Dabney Lounge (NOT Dabney House dining hall); the first class will be held June 3rd. Salsa classes, as usual, will be 7 to 8:30pm on Wednesdays in Winnett. There will be no

Friday classes beginning in June. Four classes will cost \$20 per person (\$22 non-Caltech or JPL associated persons). We encourage all interested beginning or intermediate dancers to join us; no partners is needed. For more information, contact John Carri at jcarri@ligo.caltech.edu or 792-9679 for more info.

The Caltech Men's and Women's Glee Clubs and Caltech Chamber Orchestra present two performances of their Spring Concert featuring Johannes Brahms' *Alto Rhapsody*, Aaron Copland's *Appalachian Spring*, Camille Saint-Saens' *Violin Concerto*, and Randall Thompson's *Place of the Blest*, on Friday and Saturday, May 17th and 18th, at 8pm in the Dabney Lounge. Although the concert will be free and open to the public, seating is limited, and all are highly encouraged to come early.

Today, Friday, May 3rd, at 4pm Eric Davidson and Scott Fraser, both Professors of Cell Biology at Caltech, will give a spectacular Biology 0.1 seminar entitled "How do embryos develop and how does development evolve?" in the Baxter Lecture Hall. This lecture series is designed to provide an opportunity for non-biologist members of the Caltech/JPL community to increase their awareness and understanding of the biological revolution and its implications. The lectures are designed as an interconnected series which addresses the most central and fundamental problems in biology, both from the standpoint of what we know as well as what we do not yet understand. The lectures are presented by members of the Biology Division faculty as well as by guest outside speakers. All will be directed at a "lay" scientific audience. No prior knowledge of biology is necessary to understand them.

On Friday, May 10th, at 4pm, Ellen Rothberg, Professor of Immunology, Caltech, will give yet another Biology 0.1 Seminar entitled "How does the immune system work? What is AIDS?" in the Baxter Lecture Hall. All are invited

The 17th annual Bandorama featuring the Caltech Jazz Bands and the Caltech Concert Band directed by William Bing, will take place on Saturday, May 11th, at 8pm in the Backman Auditorium. The concert is free and open to the public, with works by John Philip Sousa and Sammy Nestico on the program.

Theatre Arts of the California Institute of Technology are proud to present *Inherit the Wind*, a play by Jerome Lawrence and Robert E. Lee, May 3rd, 4th, & 11th at 8pm, and May 5th & 12th at 2pm in the Dabney Lounge. General Admission is \$8, students \$5. Tickets are available at the Caltech Ticket office.

From the Counseling Center

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.

Fellowships and Scholarships

From the Fellowships Advising and Resources Office, extension 2150, e-mail 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:

Teachers are needed for this summer's Academy by the Sea academic boarding program in the following areas of expertise: English, English as a Second Language, Computer Science, Math, French/Spanish, Science (Environmental/Oceanography), Social Sciences (World, U.S. History). The qualifications to work in the program are a Bachelor's degree in a related subject and previous experience with youths. All applicants must also be able to work from July 3rd through August 10th. The program is set up for the teachers to teach three morning classes, assist in two recreational activities, and live on-campus in Carlsbad, California. Teachers will also be asked to assist in supervising weekend excursions to Southern California attractions, as well as attend to periodic dorm supervision duties during some evenings and weekends. All participants will be provided with room and board as well as \$2,200. This is a terrific experience working with youth in a California seaside academic program. To apply, please send a resume and cover letter to the attention of: Ms. Eowyn Schutze, Academy by the Sea, P.O. Box 3000, Carlsbad, CA 92018-3000. For more information, please call (619) 434-7564 or Fax (619) 729-1574.

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

The John Gyles Education Fund is offering financial assistance to students in Canada and the United States. Canadian or American citizenship and a minimum 2.7 GPA are required. Selected students will receive up to \$2,500. Deadlines for 1996 are June 15, and November 15 (postmark date). To receive an application, send a stamped (U.S. \$32), self-addressed No. 10 envelope to: The John Gyles Education Fund, Attention: R. James Cogle, Administrator, P.O. Box 4808, 712 Riverside Dr., Fredericton, New Brunswick, Canada E3B 5G4.

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 students 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. The Financial Aid Office has applications.

The Nuclear Age Peace Foundation announces its Lena Chang Scholarship Awards for 1996-97. The Foundation will be awarding two \$2,500 scholarships to undergraduate minority students who can demonstrate financial need and academic excellence. Applications are available at the Financial Aid Office and are due to the Nuclear Age Peace Foundation no later than July 1, 1996.

Ditch Day is Thursday, Frosh!

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