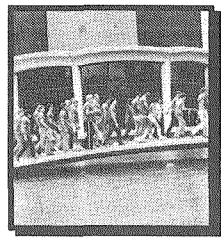
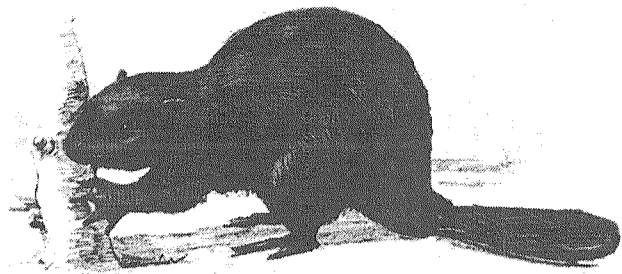


Grad students:
There's a party at
Avery House!

see page 6



Students heading
home to Millikan? It
could happen.

see page 2

THE CALIFORNIA TECH

VOLUME XCVII, NUMBER 23

PASADENA, CALIFORNIA

FRIDAY, APRIL 19, 1996

C.L.U.E. ? What C.L.U.E. ?

BY KOHL GILL

Many of you (undergrads) will find 3-5 requests for C.L.U.E. (Course Listing for Undergraduate Education) reviews for first and second term classes e-mailed to you in the next week or so. You may have noticed that you did *not* get requests first or second term about these classes and are wondering why they have arrived so late. Well, I'll tell you. Here at Caltech, slackers abound. The former ASCIT Director of Academic Affairs was no exception. Yes, requests for first and second term should have gone out long ago, but they haven't. That's why they're going out now.

A little bit about the mechanics of collecting reviews (please bear with me): this year, in order for the average student to receive 3-5 requests (instead of 7-9), we have limited the requests to 20% of each class (e.g., out of 200 people in

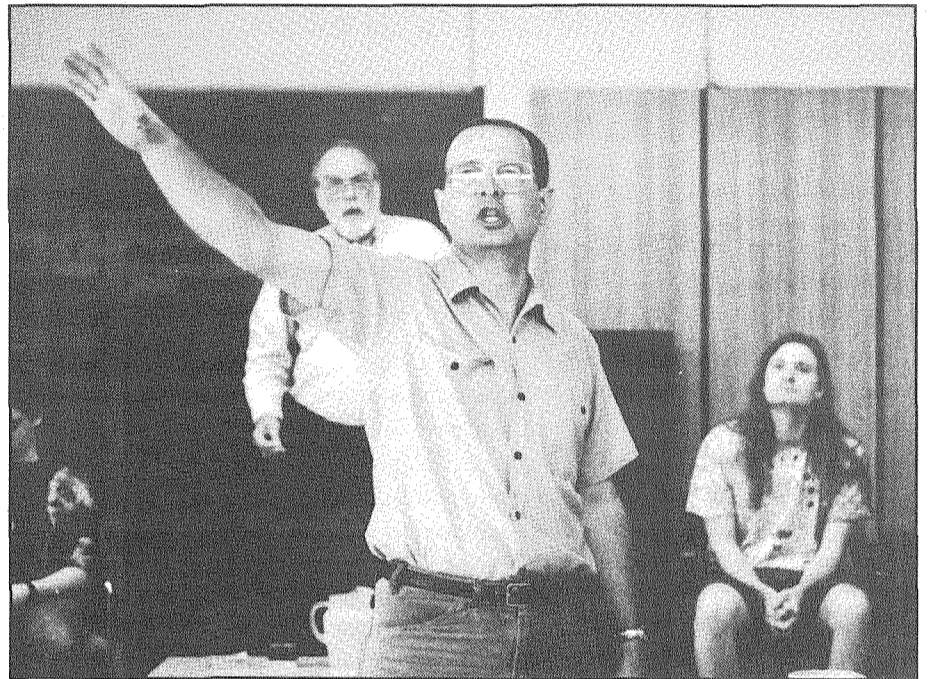
Ch1a, 40 will receive requests) as opposed to the usual 60%. This means it is *three times* more important that you fill out your reviews. (Also, those of you taking classes with fewer undergrads in them will receive more than the average number of requests.)

I realize this is asking a lot — taking the time, not only to write a review, but to remember back to first or second term to what we all would most like to forget — but I urge you to try. The success of this year's C.L.U.E. depends on it.

But this is not all I'm asking of you, no sir! Shortly after Drop Day, you will receive *more* requests — those for third term. I urge you to fill those out while the experiences are fresh in your mind.

So there it is. This C.L.U.E. is not the beginning. There are neither beginnings nor endings to the making of the C.L.U.E. But it is *a* beginning (apologies to Robert Jordan).

"Inherit the Wind" opens tonight



Defense attorney Henry Drummond (Bruce McLaughlin) demands that a sign saying "Read Your Bible" be taken down. The Judge (Tom Hubbard) watches him from behind. See story, page 5.

Undergrads attend national research conference

BY SAMSON TIMONER

Last weekend more than 2000 students descended on the University of North Carolina at Asheville for the annual National Conference on Undergraduate Research (NCUR). The first such gathering was held ten years ago at the same site with fewer than 400 students. Since then, the conference has grown to over 1800 presenters in all disciplines including science, engineering and the humanities.

NCUR was created ten years ago to promote undergraduate research and to give students the opportunity to experience a conference. NCUR tries to mimic a true scientific conference by including plenary speakers, lunch time talks and a closing banquet. This years speakers included Alan Shapiro who read poetry; Biologist Dr. Richard Goldsby who talked about the superiority of western civilization; and Psychologist Dr. Elizabeth Loftus who spoke on experiments showing that suggestive therapy can cause people to recall false memories. All three talks were interesting and provocative.

The great majority of students that attend the conference are from state universities and other small institu-



Bill Whitney and Brad Nelson talk at the closing banquet of the National Conference of Undergraduate Research.

tions. Many of us who attended found the research at non-technical schools impressive, especially considering the lack of scientific funding at smaller schools. Some of the impressive work that I heard included research on the effect of fire on oak germination rates, inexpensive methods of Buckyball production, and transistor fabrication techniques.

Unfortunately, not all of the research was impressive. There was a sizable percentage of student presenters who were unable to defend the merit of their work and did not have a firm grasp of their research.

SURF and The Beckman

Institute sponsored several Caltech undergrads to attend including Sebastian Maurer, Stevey-Ray Chase, Bubba-DAC Cuthbert, Brad Nelson, Becky-Joe Blankenburg, Jane Brock, Fay Peng, Johanna Yao and myself. Carolyn Merkel and Bill Whitney (JPL) who is Treasurer of the NCUR Board of Governors also attended. All enjoyed the conference immensely. The experience of meeting people from around the country and discussing research is very enlightening.

The next NCUR will be held at the University of Texas at Austin. SURF sponsors the finalists in the Perpall Speaker Award competition to attend.

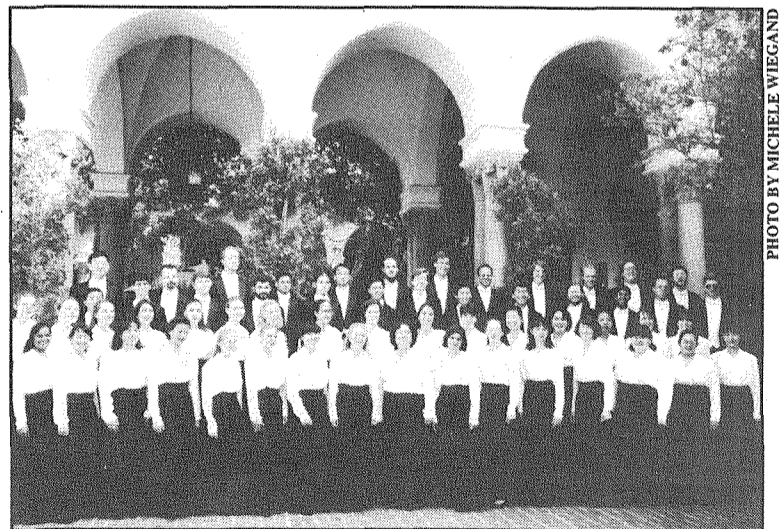
Glee Clubs to sing Ode to Joy

BY SAMANTHA GIZERIAN

After a sensational winter concert and last week's prefrsch concert, the Caltech Men's and Women's Glee Clubs are again ready to showcase their vocal talents. This Sunday, April 28, at 7:30 p.m., the Glee Clubs will be performing the fourth movement from Beethoven's 9th Symphony, the Ode to Joy, with the Santa Monica Symphony, the Southern California Choral

Society and the Santa Monica College Choir, combined under the direction of Allen Gross, also the conductor of the Caltech-Occidental Orchestra, at the Santa Monica Civic Auditorium. The concert is free.

Beethoven's 9th Symphony is regarded as one of the most difficult and beautiful of the choral masterworks of all time. This will be a concert not to miss. If you can get to Santa Monica, it will be well worth the effort.



The Caltech Men's and Women's Glee Clubs

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In search of a home in Millikan Library

BY GARRAD TERQUI

On April 4, 1996, the Institute librarian, Anne Buck, sent post-doctoral scholars and graduate students a survey concerning the multiple uses of Millikan library. It asked about the telephones, the layout, the electrical outlets, the lighting, and the toilet seats, among other useful features of our central library. Naturally, I feel that the survey has put me in a difficult position; I simply do not think that it asks the questions that need to be asked. My best explanations for my discomfort are embodied by some of my recurrent experiences with the library.

For me, Millikan library will always be associated with only one feeling: pure dizziness. I cannot count the number of times that I have circled the stacks again and again like a vulture unable to find the prey that I know lurks in the holdings. Did I land on the wrong floor — they all look alike! — or were the call numbers out of order — is there an order? — or is it simply that the "Proceedings of the Royal Society" are shelved under "Royal"? After several trips around the building, the whole experience becomes existential and deserving of a name such as "Confused Library Syndrome" or even the "Tao of Library Searches". There is the notion of ascending to heaven combined with a promise

of periodic rejuvenation as well as the severe personal doubt that you may have landed in hell instead of going up to heaven. Millikan library represents all of this and more.

So, it was with much amusement that I read the cover letter that contained the stated charge of the Millikan Space Allocation Task Force, presumably responsible for the crappy survey. It

Mechanical Engineering students could turn the monolith into the world's largest Rube Goldberg machine

reads:

"Given that the contents of the Millikan building, all offices, collections, and equipment have been put out on the lawn, develop a strategy to reposition these resources and to improve usability of the Millikan space that is so compelling that the Caltech administration will support the project."

How could I not respond in writing to a statement that began with putting the contents of Millikan "on the lawn"? My only trepidation was that the inescapable ironies contained in my reply would detract from the serious nature of my message.

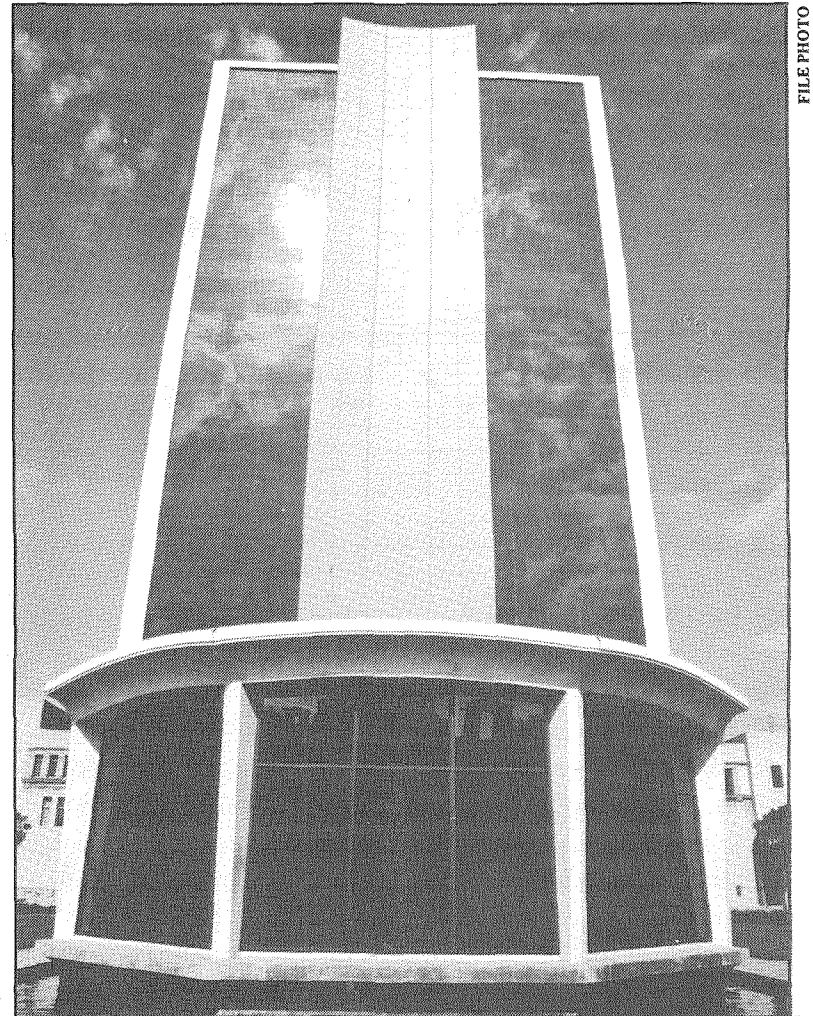
What if the contents of Millikan library were put on the

lawn? Well, the question begs the obvious and clearly cheap reply to leave the contents on the lawn. This is Southern California after all; and, I may be spared the dizziness of spinning in circles while looking for a book or journal since the contents of the library could suddenly become very linear. All Caltech students know the benefits of linearity! Tents, anyone?

Even more interesting was the implicit prospect in the task force title that the holdings in Millikan were to be allocated, to outer space — are the task force members from JPL? In today's automated world, making Millikan library out of

this world might just turn an unfortunate misinterpretation of the task force title into a major bonus for the school — the patent lawyers would be busy for years. Moreover, the new library would be a literal reincarnation of the old one, a Phoenix from the ashes as it were, a new lease on life.

Since arriving at Caltech, I have wondered how this whole mess came into being in the first place. It is plain to see that the Millikan library building is a monolithic memorial edifice serving as a library and that it just doesn't fit the job. The ancient Greeks seemed to have a better grasp of form and function than the designers of Millikan library. Pythagoras himself recognized



What could the future hold for Millikan library?

that cutting across rectangles is more interesting than embedding them within one another. Rumors circulate that the Institute dictated function (money for a library anyone?) whereas the donors dictated form (and furniture) — and we all just live with the consequences of poor aesthetics.

Not any more! Radical ideas such as moving the contents of Millikan onto the lawn can spawn even more radical ideas since the floodgates have now been opened and the torrent unleashed. So let the ideas flow...

A digression into possible uses of the building is definitely in order here. The word "dysfunctional" became popular in the sixties, around the same time that the Millikan library was conceived and erected. It would therefore seem appropriate to ascribe that word to the library. In fact, Millikan could be converted into a museum of dysfunctional buildings, with the daily trials and tribulations of Caltech students enacting vorticity from a Lagrangian perspective serving as the prime exhibit.

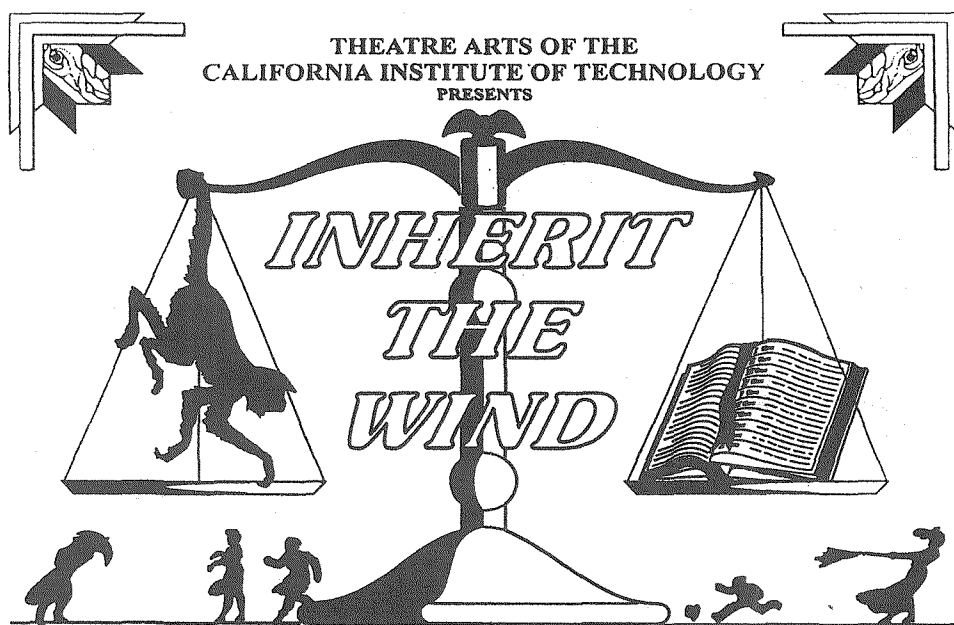
The Millikan museum could even have one of those revolving restaurants on the top that would charge expensive prices for an exhilarating view of the San Gabriel mountains at sunset — when available. The revolving aspect serves as an ever present reminder of the previous incarnation of the building (and of the afterlife to come). A real money winner and a cultural boon for the campus — the veeps would drool over this idea for sure. Like I said earlier, leave the collection on the lawn; it is peripheral to the issue at hand. We are talking big business here, and big business rules!

Other uses of the building suggest themselves readily, though the profit incentive is ad-

mittedly absent. For example, the Mechanical Engineering students could turn the monolith into the world's largest Rube Goldberg machine, capable of raising an egg ten floors over eight miles of tracking using the potential energy of the Encyclopedia Britannica, only to drop the egg unharmed into Millikan pond. Better still, the building could be reserved for the superstacks of the brightest Seniors in the school, turning Ditch Day into a nationally televised event. One friend suggested converting Millikan library into the world's largest manifestation of life-sized Hooks and Ladders — should we replace the die with definite integrals?

My only destructive suggestion is to let the earthquake engineering folk shake Millikan building to failure in one of the grandest experiments to date of instrumented building failure due to large ground motion. My favorite idea is perhaps even a constructive one: convert the building into undergrad housing and convert one of the old buildings near the Athenaeum into the library. I suspect that a room with a view nine floors to explore, and those super high ceilings would make the undergrads happy about having given up the lore associated with the houses.

If undergrad housing doesn't go down well, then the undergrads should at least be allowed to put the contents of Millikan library on the lawn as part of the biggest prank ever pulled at Caltech. And herein lies the ultimate irony of my letter: instead of trying to make Millikan a home for books, why not try to find something that is at home in Millikan? Once out on the lawn, the contents of Millikan library should not go back in.



by
**JEROME LAWRENCE
& ROBERT E. LEE**

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The amateur acting rights of INHERIT THE WIND are controlled exclusively by the DRAMATISTS PLAY SERVICE, INC., 440 Park Avenue South, New York, NY 10016.

INHERIT THE WIND was presented on Broadway by Herman Shumlin, in association with Margo Jones, at the National Theatre, New York City, April 21, 1955.

Who needs the ASCIT movie when you have the...

APRIL 18, 1996
I.H.C.
Minutes

WARNING: Content may be unsuitable for small children.

Setting: SAC 64 "The happiest place on Medeco."

Cast, in order of appearance: Jonathan (New Secretary), Steve (Lloyd), Lon (Ruddock), Bill (Blacker), Phil (Ricketts), Dave Winkler (Fleming temporary sub), Chris W. (Dabney), Josh (Page), Dave B. (Chair), Chris C. (Fleming real person)

11:00 p.m. Meeting is supposed to start. Naively, I show up.

11:03 p.m. Steve runs into the room thinking that the meeting might have actually started on time.

11:04 p.m. Lon, Bill, Phil, Dave Winkler, and Chris W. walk in. Bill says something about Art, but more on that later...

11:05 p.m. "Where is Dave [Bacon], and why are we here anyway?"

Unable to contain his enthusiasm, Bill says that Art "get me three units closer to graduation" Clarke wants to tell the prefrush that if they come to Caltech and pick Ricketts, then they will get anatomically compensated in the form of "a larger one-eyed trouser snake."

Suddenly, the meeting is rocked by the sound of dignity walking out of the room and slamming the door behind it.

This proves to be the high point of the evening.

11:08 p.m. Josh arrives. Bill glee-

fully gets to tell his story again.

After some debate, Art's comment is allowed chiefly because no one really wants to find out if it is true, particularly in the case of the Ricketts women.

Lon, in a valiant effort to increase the cultural awareness of the IHC, circulates preprints of the prefrush edition of the Ruddock poetry journal. Recognizing art in its finest form, the IHC okays it.

Issue #3: PrefrOSH!

A quick survey is done concerning first impressions of the prefrush. Bill tells a prefrush joke: Q: "What is the integral of Western Europe?"

A: "Zero. All the Poles are in Eastern Europe."

There is much laughter. Not.

11:13 p.m. Dave B. shows up and says he was late because he's "addicted to the new hoops in Ruddock."

Steve says that some frosh in Lloyd wants to be floated with "beer and cleaning products" (Is there a difference? Sometimes it's hard to tell...) on Friday during prefrush. Everyone unanimously agrees that frosh are stupid. The beer + cleaning products is allowed after Steve promises that no prefrush will be allowed to lap up the beer off the ground. [Note: I was there, the float didn't happen 'cause the seniors were too lazy to buy the beer. Bummer.]

Bill realizes that Dave missed his story, so he tells it again. He also mentions his childhood friend and right-hand man, John Thomas. Unfortunately the Ding Dongs are out of reach for most of us, so Bill is safe.

We try to clarify some of the prefrush rules. [Whoops, by the time you read this, the prefrush will be gone. Blame your president if you didn't know about them.] It is decided that prefrush can only go within walking distance of campus, but Old Pas is allowed as a general exception. Phil says some of the scurves walk four hours to someplace called "The Pantry" in downtown LA and wants to know

if prefrush can go. Josh discretely replies, "YOU @#\$%^&* WALK THERE???" Phil backpedals and says he doesn't personally, but some people do. We decide that Darwinism applies to prefrush as well, so Phil's request is approved. **11:18 p.m.** Chris C. arrives after making an escape from a "well-endowed belly dancer" at BC. Dave W. leaves saying "nothing much has happened yet." [Yeah, see if we invite him back again!]

For Friday dinner, the prefrush are to eat in another house. If this didn't work, it's too late now. On Saturday, the prefrush can eat with students from their "geographic region." If you show up early, you get free food. If you didn't know about the free food, blame your president. Page has (or had, I guess you missed it) a hypnotist at 8 p.m. on Saturday. Lloyd moved capture the flag to 9 PM. Steve recounts the two injuries in capture the flag last year. Chump is allowed to play during prefrush weekend. The Dabney RA is going on a hike up Mt. Wilson at 7:45 a.m. (OUCH!) on Saturday morning, and we allow prefrush to go.

IMPORTANT: Another rule clarification. If your prefrush needs a nickel for the coke machine, you may give it to him or her. If your prefrush gets in on a late plane and misses dinner, you may go buy him or her food at the coffeehouse. If you are drooling over some prefrush and wine and dine her, we will not only kill you, but we will laugh as we mutilate your dead body because everyone knows there is no sex with the prefrush.

Tip: Don't be stupid.

Funding for the ASCIT formal comes up. Lon says Ruddock will probably give something. Chris says Fleming probably won't. Bill gives a resounding "No!" from Blacker. Phil says he doesn't know, but says he'll probably get his head bitten off if/when he asks. We don't hear from anyone else because...

11:31 p.m. THE SOUTH HOUSE FIRE ALARM GOES OFF!

Immediately, everyone blames Bill.

Bill leaves to find out what happened.

11:32 p.m. Meeting ends since we can't hear anything over the fire alarm. Bill comes back and says, yep, it was Blacker frosh.

Once again, frosh are stupid.

Respectfully submitted,

Jonathan Little

IHC secretary

The Outside World

by Myfanwy Callahan

WASHINGTON, D.C.— After two days of intense negotiations, Congress and the White House finally agreed Wednesday on a budget for the fiscal year that started October 1!

ZAGREB, CROATIA— The Bosnian government is sending out small groups of Iranian-trained commandos to kill or capture its enemies. Five Bosnians now being interrogated in Croatia are all members of the Bosnian intelligence service and were armed with grenades and assault rifles.

TOKYO, JAPAN— Now on trial for organizing the nerve gas attack in the Tokyo subway system, Shoko Asahara, the cult leader, explained his motives. He wanted to bring people "ultimate freedom, ultimate happiness, and ultimate joy."

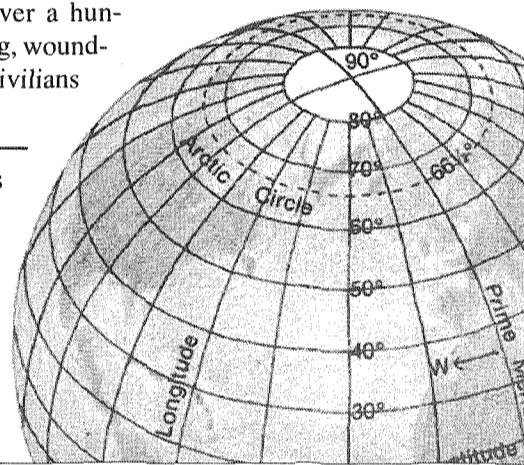
SIDON, LEBANON— Israel continues to shell southern Lebanon, drawing the war into its sixteenth day today. The air raids, sometimes over a hundred a day, are killing, wounding, and displacing civilians throughout the area.

MOSCOW, RUSSIA— Chechen rebels mourned their leader's death after it was confirmed Wednesday. Dzhokhar Dudayev was killed in a Russian

rocket attack, but the rebels vow to continue the resistance against Russian forces.

...And now, the *Outside World* award for bureaucracy goes to the Phillipines for the following news story from last week:

"Two Hong Kong men imprisoned in the Phillipines for nearly five years on drug smuggling charges were freed when their conviction was overturned on appeal. When they attempted to leave Manila, they were fined 50,000 pesos (\$1925) by the Immigration Bureau for remaining in the Phillipines after their visas had expired. After the British Embassy pointed out that the men stayed because they were in prison, the Bureau reduced the fine to 28,500 pesos (\$1095), claiming it was the fee for clearing up the paperwork."



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The Umbrellas of Cherbourg

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Sat-Sun Bargain Matinee 2:45 p.m.

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1996-97 UPPER CLASS MERIT AWARDS

Each year, the Faculty Committee on Scholarships and Financial Aid grants a number of Upper Class Merit Awards to the most academically talented of the Institute's Sophomores, Juniors, and, occasionally, Freshmen. Upper Class Merit Awards are based on outstanding scholastic achievement as demonstrated by exceptional performance in formal classes and/or in independent research, and not on financial need. Last year, the Committee recommended a total of 45 Upper Class Merit Awards. Awards ranged from \$6,000 to full-tuition, \$17,370. The level of awards in any year is determined by the number and caliber of the applicants.

ATTENTION: FINANCIAL AID RECIPIENTS

To ensure that we have sufficient funds to meet your full financial needs for this academic year, we have established deadlines to adjust your Caltech financial aid for 1995-96.

If you wish to:

1. Request a Federal Direct Stafford or PLUS Loan
2. Request any other type of adjustment to your 1995-96 award

Requests for adjustments should be submitted by the deadline for class levels. If you are a freshman, sophomore, or junior, submit any written request by May 15. The deadline for seniors is April 15.

All requests should be made in writing and submitted to the Financial Aid Office (MC 12-63) by the appropriate date listed.

Please contact the Financial Aid Office before the date listed if you have any questions.

Thank you for your cooperation.

A.S.C.I.T. Minutes

APRIL 22, 1996

Present: Dave R., Maria, Dave B., Emily, Kristie, Grace, Kohl, Alexis, Kara, Gavin, Mike, Patricio, Miguel, Terry, Francisco, Heidi, Andrea

Meeting starts at 10:08 p.m.

- Mike wants funding for the archeological club. He requested \$175. The BOD decided to give him \$90 with the

vote of 6-0-2.

- Andrea wanted recognition for the Campus Crusade for Cthulhu as a club. It was recognized 6-0-2.

- Gavin told everyone to see *Inherit the Wind* (for those of you who are clueless, it's the new TACIT play debuting this weekend). He also wanted to talk to Kohl about a photography class.

- Francisco officially handed over the position as Business Manager to Heidi. Francisco also wanted ASCIT to help fund the International Internship Program. He was told that it needs to be a club.

- Patricio and Miguel asked ASCIT if the early showing of the ASCIT movie could be replaced with a Latin film for Semana Latina in exchange for the annual funding that ASCIT always donates. The other option would be to have Roberto Rodriguez (you may know him from such films as *Desperado*, *El Mariachi* and *From Dusk till Dawn*). Hopefully, both the film and Roberto Rodriguez can be part of Semana Latina.

- Terry asked that the TECH editors receive their stipend for the previous three weeks. He was told that he needed a compensation schedule. He made copies of last year's compensation schedule, with the help of the Business Manager. In four to five weeks, the updated compensation schedule will be

ready. The Business Manager decided to change the first line of the editors' description of duties from "Is responsible to BOD for all editorial matters" to "Is responsible for all editorial matters". The revised compensation schedule passed 8-0-0. Terry will e-mail the splits to the BOD, then the BOD will vote to approve.

Officers' reports were given.

- Kara is losing her voice.
- Alexis said that someone was willing to make an ASCIT Van home page for \$20. Grace motions to pay the person \$20 if he is willing to fix the home page when something goes awry. Kristie added that we should pay him after we know the home page is fully functional. It was decided to pay him 6-0-2.
- Emily is still hounding the various administrative groups for money. The prefrash party cost ASCIT \$200-\$300.
- Kohl delivered multiple death threats from an any-

mous being to Alexis because the ASCIT copier ran out of toner. He's looking at a photography and judo class. CLUE program is essentially done.

- IHC Chairman is getting ready to post sign-ups for committees. Lunch with Student Affairs may be Friday.
- Kristie told everyone that the copier account was "\$2000 in the hole". The account hasn't been credited back since June.
- Grace will post signups for the class officers and other positions on Friday. The positions are Movies Chairman, Big T committee, Little T committee, Totem committee, Junior and Senior class president and secretary/treasurer.
- Maria stated that BOC talks start 4/23 at Ruddock. "fill out the BOC surveys!"
- The President talked about the Faculty Board meeting that he and Maria attended. It was decided that the Freshman core classes must be completed by the end of sophomore year and the Sophomore core classes must be completed by the end of Junior year or else you cannot register for the following term. This will take effect next year. If you don't meet the stated requirements, you need to be reinstated by the Dean or UASH. There also have been some curriculum changes.

Meeting closed at 11:12 p.m.

Respectfully submitted,
Grace Yang
ASCIT Secretary

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Chicago and Chopin

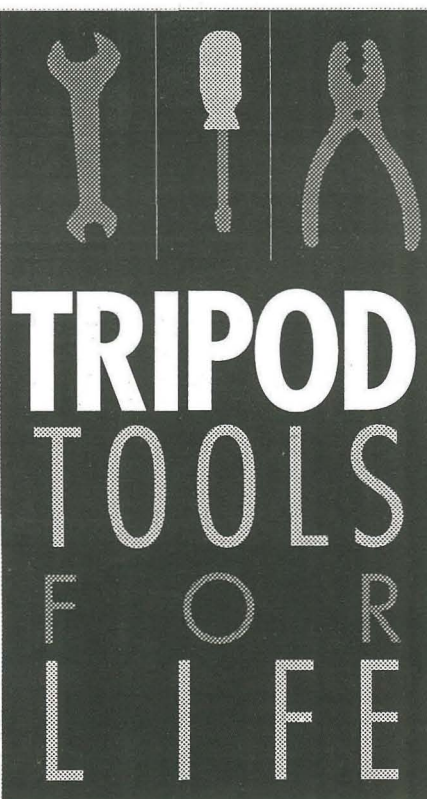
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EURAILPASSES ISSUED ON-THE-SPOT!

"Inherit the Wind" breezes onto Caltech stage tonight

Ed Lewis, Gary Lorden to cameo in new TACIT production

BY CHRIS SPRINGFIELD

The battle between Evolution and Creation is about to be waged in the hallowed halls of the California Institute of Tech-

nology. Theatre Arts at Caltech (TACIT) is proud to present *Inherit the Wind*, the timeless work by Jerome Lawrence and Robert E. Lee.

Inherit the Wind is the fictionalized telling of the famous "Scopes Monkey Trial" of 1925 in Dayton, Tennessee. In that trial, Clarence Darrow, one of the most famous trial lawyers of American his-

tory, and William Jennings Bryan, one of the most powerful and influential politicians of the time, clashed over the question whether evolution should be taught in American schools. It

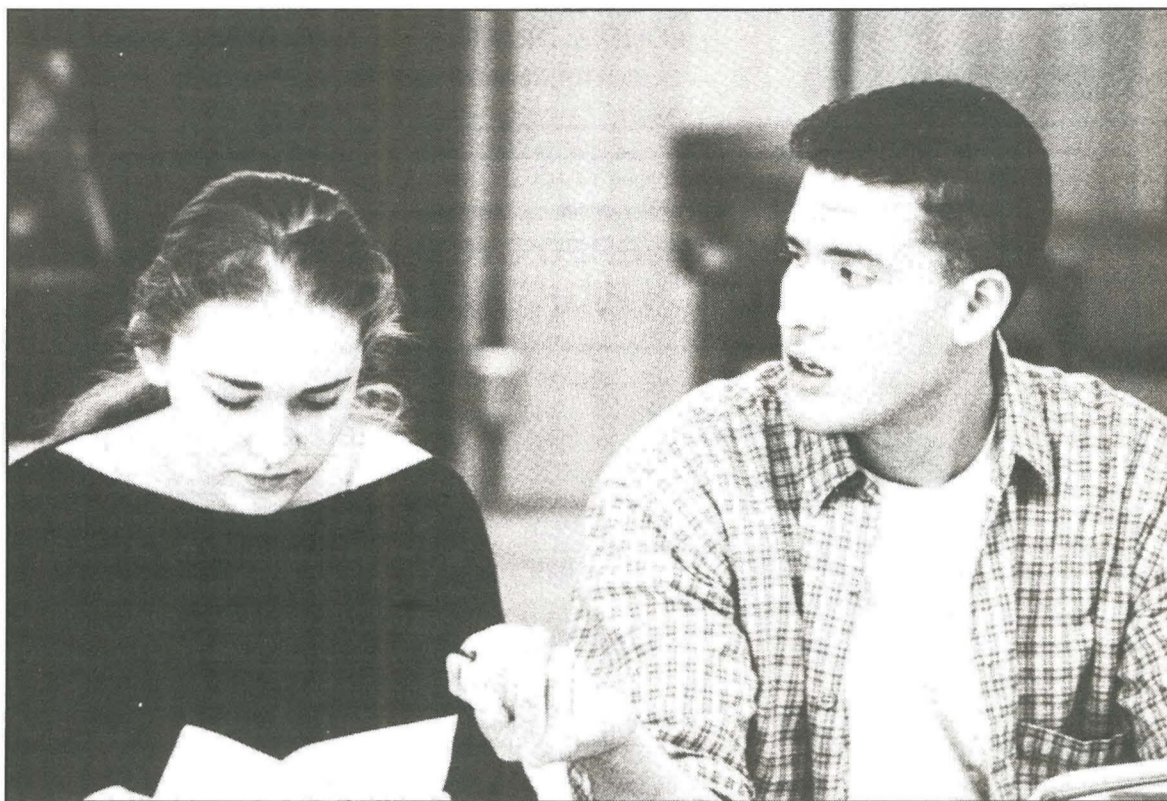
focused America's attention on the questions of Church versus State as well as Science versus Faith. These questions have yet to be resolved. In the years since the trial, various states tried to

limit the teaching of evolution, but have never enforced them. Even today, several states are pondering this question, and presidential candidate Patrick Buchanan has questioned whether "a Godless Evolution" should be taught in public schools.

As long as the debate rages on, *Inherit the Wind* will remain a poi-

gnant examination of the trial that started it all. The play looks behind the headlines of the trial and takes a harder look at the individuals affected by the clash. Set in the fictional town of

The play looks behind the headlines of the trial and takes a harder look at the individuals affected by the clash.



E.K. Hornbeck (Phillip Rodriguez III) offers Rachel Brown (Diana Lavelly) a bite from his apple as she reads his article about Bert Cates.

Hillsboro, the play takes place over the few days preceding the trial, as well as covering the trial itself.

Inherit the Wind was written by Jerome Lawrence and Robert E. Lee in 1951. Originally performed on Broadway in 1955, the production has been translated into 31 languages. It has been the subject of two motion picture adaptations: one for the screen in 1960 starring Spencer Tracy and Fredric March, and one for television starring George C. Scott and Charles

Durning.

Inherit the Wind is directed by Applied Physics graduate student Chris Springfield. It is Chris's second directorial effort, his first being a resoundingly successful production of *Arsenic and Old Lace* while a student at the Colorado School of Mines in 1990.

As with all TACIT shows, the cast is a mixture of students, faculty, and staff from both Caltech and JPL. The cast includes undergraduates Diana Lavelly as Rachel Brown and

Phillip Rodriguez as E.K. Hornbeck; graduate students Michael Vanier as Bert Cates, Scott Van Essen as Reverend Brown and Lara Hughes as Sarah Brady; JPL staff members Bruce McLaughlin as Henry Drummond, Craig Peterson as Matthew Brady, and Gil Dawson as the Mayor; Caltech staff and family members Susan Lee as Mrs. Krebs and Tom Hubbard as the Judge. Various faculty have agreed to play small cameo roles, including Gary Lorden and Ed Lewis.

QUICK FACTS

Evening Performances: 8:00 p.m. April 26, 27 & May 3, 4, 11

Sunday Matinees: 2:00 p.m. May 5, 12

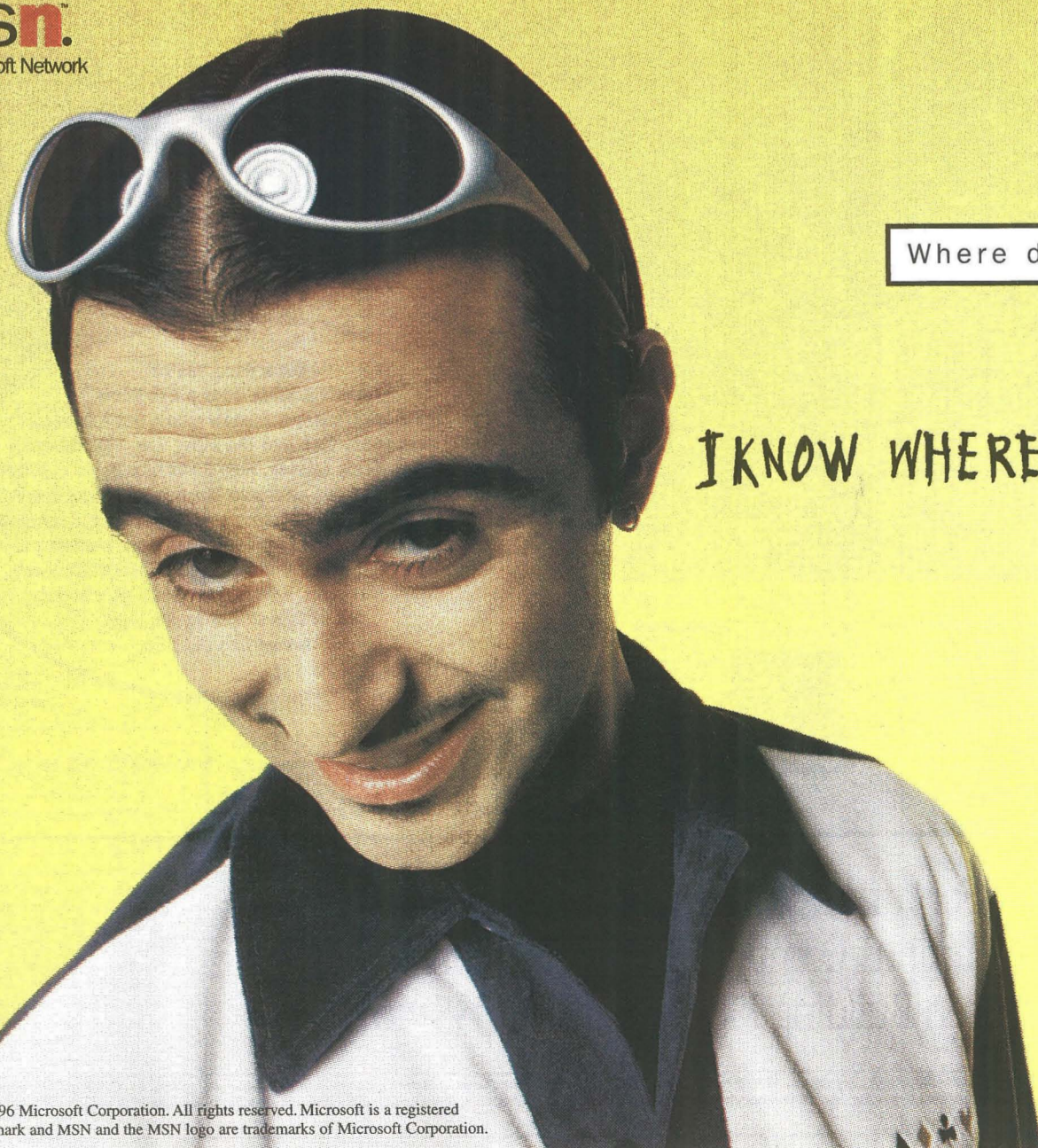
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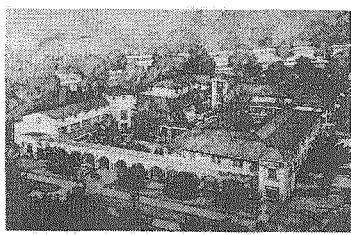
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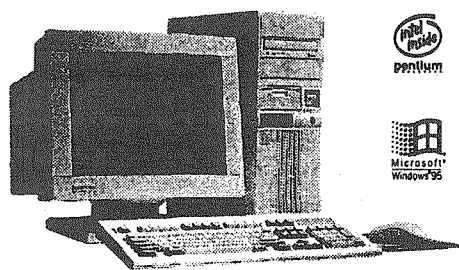
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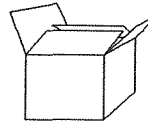
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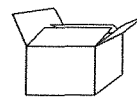
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Can you beat the K.E.L.R.O.F. record performances?

BY TOM DMUKAUSKAS

With the ultimate 24-hour relay race of the year just one month away, you are doubtlessly scurrying around campus trying to find a team of ten individuals zany enough to do it with you. After you have procured such a bunch of individuals (or brainwashed them to be) likewise minded in your unbridled enthusiasm for the event, you may wonder how far or fast you can go. To aid you in your goal-setting activities, this week I am providing a chart of pace and distance milestones which may help to motivate you and your crew.

The last entry may appear somewhat odd. This is the KELROF meet record, set in the 2nd installment of the race in 1978 by the original Kellogg's Eighth Light Regiment of Foot. Some other records also merit

recognition. The record for an all-female team is 158.25 miles. Since the documentation of KELROF results nearly disappears after 1982, it is unclear when this record was set. The record for aggregate mileage covered by all teams in the relay was 1979, when seven teams (six ten-person and one nine-person) combined for a grand total of 1496 miles and 1139 yards. The two-person team

record was set in 1994 by Chris Cary and Tom Dmukauskas, who hit 100 miles in 17:25, then retired, as they had met their goal of beating former Caltech cross country and track coach Jim O'Brien's course record in the Angeles Crest 100 Mile Endurance Run. Last year, Kevin Boyce embarked on a one-man adventure for about twelve hours and put in a good 46 miles by the end of the day, good

enough to become the documented individual record holder.

In other news, I have been informed that Katie Stofer is making an attempt at assembling a ten-woman team for this year's race. If you are interested, please contact Katie at kstofer@cco. Any record corrections or other questions should be sent to the race director at e-mail tomdm@cco or phone 585-9262.

PACE CHART

Miles	Minutes/mile
144.....	10:00
150.....	9:36
160.....	9:00
180.....	8:00
200.....	7:12
205.7.....	7:00
221.5.....	6:30
240.....	6:00
262.7.....	5:28.8

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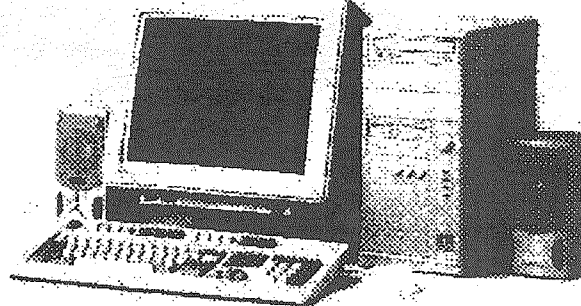
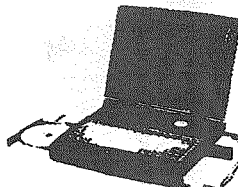
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Announcements

W **IHC Appointed Committee sign-ups** will be up next week. Sign up and do something with your life!

If you haven't received a copy of the **Millikan Space Allocation Task Force's User Survey** by now, please stop in and pick up a copy at any of the service points in Millikan Library. This is your chance to help shape the Millikan environment to better serve your needs. Please return survey forms no later than April 30th to Ginny Tormey, at MSC 1-32.

The Caltech Y is starting a **food and toiletry drive** benefiting the **Pasadena AIDS Service Center** and **Union Station Homeless Shelter**. They will be collecting canned food and toiletry items such as soap, shampoo, disposable razors, etc. The first collection box will be available at the Caltech Y, located on the second floor of the Winnett Student Activity Center. If you would like to request a donation box in your building, please send the name of a contact person from your department and the name of the building and room number where the box will be placed to the Caltech Y, MC 218-51.

Events

W **The Caltech Ballroom Dance Club** will be starting a new series of four classes with professional instructor Richard Orozco this coming Wednesday, May 1st, in Winnett Lounge, from 7:00 to 8:30pm at a cost of \$12 for 4 classes for Caltech/JPL people; \$20 for others. Also, the Ballroom Dance Club will be continuing their Friday night classes today, April 26th, from 7:00 to 8:30pm in either the Winnett Club room #1 or the Dabney Dining Hall.

W The next movie to screen in the **German Film Series** (emphasizing Swiss Films this year) for the spring term is **Aguirre-der Zorn Gottes** ("The Wrath of God") (1972). It will be shown on Wednesday, May 1st, 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.

W **Frank Turner** of the Department of History at Yale University will be giving a seminar entitled "**The Oxford Movement and the Commercialization of**



W denotes a new announcement.

Religion in Victorian Britain" in the Judy Library on Thursday, May 2nd, at 4pm. This seminar is part of the Long Nineteenth Century Caltech-Huntington Seminar Series in British Studies.

W On 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.

W 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

Professor **Jean-Paul Revel** of the Caltech Biology Department will be giving a Biology 0.1 Seminar entitled "*How do cells work?*" on Friday, April 26th, at 4pm 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, Today and Tomorrow, April 26th & 27th, as well as 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.

The Counseling Center will be offering a **workshop on relaxation and stress management**. Over the next three weekly one-hour sessions, Dr. Jon Pedersen and Jamil Ali, M.A. will teach interested students a variety of relaxation techniques aimed at the management of daily stress. The workshop will include some video and lecture material but will primarily consist of individual exercises in relaxation techniques including muscle tensing, imagery, passive and active concentration, and an introduction to non-mystical meditation. The focus of the workshop will be on practical methods for everyday use, which can be learned quickly with daily practice. The workshop's last meeting will be held this coming Tuesday, April 30th, from 12:00pm to 12:50pm. Participants will attend all four sessions. If you are interested in participating, please contact the Counseling Center at Ext. 8331.

Fellowships and Scholarships

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

lauren_stolper@starbase1.caltech.edu:

W Applications for many **fellowships** become available for Juniors and Super Seniors from June through August. The Fellowships office has started a mailing list for students who want to receive applications. Remember that these fellowships have early all deadlines—some as soon as late September. To receive applications, please e-mail your name and summer mailing address to lauren_stolper@starbase1.caltech.edu. *Be absolutely certain to note which Fellowship applications you want to receive.* The ones that will be available over the summer are the: Fulbright, Hertz, Marshall, and Rhodes. They are also taking names of those interested in the Luce, Churchill, and Watson. In the subject line of your e-mail put "Fellowships Summer Mailing" Also list your name, summer mailing address through August and specify which ones you want. Remember that the Hertz requires a 3.75 G.P.A. and the Marshall requires a 3.7 G.P.A. Note that applications for the NSF and DOD will not be available until the fall. Please don't request these applications.

Attention Graduating Seniors: Many private high schools and middle schools offer one year fellowship programs for graduating seniors who would like to teach for a year. Positions are usually paid. Some fellowships are in day schools and some in boarding schools. If you would like to have us send you a copy of a list of such programs plus a guide that tells you more about these fellowships please e-mail the Fellowships Advising Office. Give your name, specify teaching fellowships in the subject or body and give your box number.

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:

W The San Joaquin Valley section of the **Society of Petroleum Engineers** will be awarding scholarships to qualified applicants who are enrolled as full-time undergraduate or graduate students in engineering or energy related-disciplines in 1996-97. For the last three years, SPE of the San Joaquin Valley has awarded 6-10 scholarships totaling \$6,000 each year. Preference will be given to those applicants demonstrating a sincere intent to enter the petroleum industry after graduation. Applicants should be resident or former residents of Fresno, Kern, King, or Tulare Counties or Cuyama or New Cuyama, California, or children or current members of the San Joaquin Valley Section of SPE. The completed application and all supporting documents are due no later than **May 10th, 1996**.

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 April 15, 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., Frederickton, 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**.

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