William Eugene (Bill) Zisch, a life trustee at the California Institute of Technology, died Tuesday, November 10th, in Poway after a brief illness. Zisch, 80, was vice chairman of the board of Science Applications International Corporation of San Diego, a company that applies scientific expertise, together with computers and systems technology, to solve complex technical problems. Zisch also served as director of Science Applications, and prior to his joining the company in 1973, was affiliated with Aerojet-General Corporation and Systems Development Corporation.

He attended Caltech in 1940-41, and was also an assistant in aeronautics and an assistant to the Comptroller at the Institute from 1939-1942. He began his career in 1935 as a chemist at Great Western Sugar Company.

A native of Denver, Zisch held many committee memberships in his long affiliation with Caltech. He had been a life member of the Associates since 1972 and a member of the President's Circle since 1982; a member of the Athenaean Board of Governors almost continuously since 1977; a member of the Visiting Committee for the Division of Geological and Planetary Sciences since 1986.

Survivors include his wife, Majorie Griffin Zisch, of Poway; and three children, Stephen Michael, James Henry and Karen Louise Zisch.
IHC SURVEY RESULTS

1. (Classification)
   - NA Fr So Jr Sr Super Senior
   - 0 68 26 68 26 3

2. (Currently live)
   - NA On 191 16 4 16

3. (Plan to live on)
   - Y N 51 144 32

4. (House)
   - 1 165 30 12 9 2 1 7

5. (House happiness)
   - 0 2 7 12 50 156

6. (Other houses?)
   - 0 1 1 2 3 4 5 6 7

7. (Rank differently?)
   - 2 144 81

8. (Rotation Info)
   - 0 18 20 19 39 28 45 26 31

9. Ranked houses on the basis of...
   - Cleanliness 74 House President
   - Noise level 60 House upperclassmen
   - Singles v. Doubles 67 Post-dinner reception
   - Athletics 47 House Dinner
   - Traditions 102 Upperclassmen hearay
   - Social environment 192 Freshmen hearay
   - Amenities (TV, etc.) 22 Refresh weekend
   - Where friends wanted to be 60 North v. South

CORRECTIONS

We regret that last week's correction of the article ran on political positions implied there was only one error. This impression is wrong. There were multiple errors in text omission and placement. We regret these errors.

Additionally, in the article last week entitled "Earth found to have two inner cores," the second to last sentence should have read "Donald Hehnberger was a recipient of the 1997 Lehmman Award for Geophysics."
The Bridge Club meets 7:30 p.m. every Monday night in the Avery Dining Hall. Come early to find a partner. They usually play duplicate.

The Caltech Anime Society is planning a trip to Little Tokyo on Saturday September 21st from 10:00 a.m. to 4:00 p.m. They are especially looking for drivers. If you are interested in going email hana@tech.edu. Also, they hold showings for the entire Caltech community on Fridays and Saturdays in SAC 13 starting at 7:00 p.m. and lasting until 11:00 p.m. They welcome people dropping by at anytime. To request an anime title email car-viewings@tech.edu.

The Caltech Ballroom Dance Club started its free beginner Cha-Cha classes on Monday November 9th at 7:30 p.m. in Winnett Lounge. They started their second session of taught Argentine Tango last night. For more information, email alhavz@tech.edu.

CLU (Caltech Lesbians Gay Union) is hosting a movie night at 7:00 p.m. on November 1st. It will be held in the Avery RA Apartment, Avery 104. They will have free dinner and dessert, and we will be watching The Object of My Affection with Jennifer Aniston and Paul Rudd. For more information or if you are interested in attending, please contact Arielle Meltzer at melzuer@tech.edu.

The Caltech Student Investment Fund meets every Monday night at 5:30 p.m. in Club Room 1 of Winnett Student Center. They discuss how to invest intelligently in the stock market, how to pick the best stocks and how to obtain and interpret a company's financial statements. They invest approximately $250,000 of Caltech's money. Meetings are informal and open to the entire Caltech community. Pizza is usually served. Email sif@tech.edu for more information.

The Science Education Club is holding its Fall Meeting on Monday, November 16 at 5:15 p.m. at CAPSI, 287 So. Hill Ave. - Pizza will be provided. They will be holding an open forum discussion on undergraduate teaching and curriculum at Caltech. They are interested in hearing opinions and ideas. Please RSVP by emailing jzis@tech.edu or leaving voice mail at x3297 or x3222.

Students for the Exploitation of Space: Meet in Ricketts courtyard to assemble the Allen Death Ray.

Students for the Exploration and Development of Space (SEDS) will be holding a special Star Party on Monday November 16th at Joshua Tree National Park to see the Leonid Meteor Shower. They will be leaving around 6:00 p.m. They will carpool so they are also looking for more drivers. For more information, email cyruswa@tech.edu.

The Totem, Caltech's literary magazine, has begun accepting submissions. They welcome poems, short stories, essays, plays, drawings, and photographs from anyone in the Caltech community. Please send all submission to subtly@tech.edu.

If your club is having an event and would like to see it in Clubwatch, email club@tech.edu with appropriate information.
Present: BoD (minus Devi), Shannon Stewman

Meeting called to order at 22:16.

General Business
Tech - The Tech wants $1000 from ASCIT to defray the cost of a new printer. They cannot afford both the full burden of the printer ($3000) and software licenses. Mike suggests that maybe we could ask the other publications to pitch in. Autumn doubts the little t that has that kind of cash. The situation of the Big T is in question. The BoD votes to supply the money. In the meantime Rob will get a handle on the Big T's situation.

Coffeehouse - The Coffeehouse needs more waiters. Talk to Jennifer Caron (caron@eco) about joining the ASCIT empire. The Corporation requires your loyalty and service.

Officer Reports
Steve - The SFC report will be done by next meeting. Steve and Alan will get together to figure out this wrestling matter. Steve wants to get together a list of club contacts to hand over to the next fresh director. He foresees the office of the Freshman Director becoming a general ASCIT liaison to campus organizations. Things are gearing up for the UROH.

Autumn - Will approach Tom Mannion and motor pool about selling the van. Autumn noticed in school newspapers from other universities, that students are allowed to drive many passenger vans similar to the ASCIT van. What's that all about? The previous upper-classman director thought that you needed a special license to drive such a van. Autumn is all over this action. The Coffeehouse is still sans TV.

Hanna - Fleming borrowed the lights and hasn't given 'em back yet.

Jaideep - About 225 surveys were returned. Preliminary results show no big surprises. About 2/3 of folks favor keeping the picks procedure secret. The only Rotation rule that is on the black is the one that provides a transportation radius. Sixty percent of respondents found that rule "unreasonable." This Thursday at 10:30 in SAC 33 there will be a meeting of the IHC closed to people who have attended picks before to discuss the picks procedure. The meeting on Sunday sucked. Only six people (other than the IHC) attended. Jaideep met with the ISO. They think the house system is OK. The IHC will be talking about the off-campus picks procedure soon.

Rob - The ASCIT accounting system is being altered to deal with budgeting. The little t editors have been paid. The BoD voted via email to approve the proposed Big T compensation schedule. The BoD votes to allocate the $500 bonus for a job well done (and on time).

Mike - There will soon be a mailing list for non-house-affiliated students.

Alan - Fresh BoC talks are almost done. There will be an open business meeting of the Board of Control on Monday, 23 November at 7:30 PM in the Winnett Student Center.

Baldeep - No progress on the IT specification this week, but it is half done.

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Upcoming Caltech basketball

BY GERALD PALMOS

Now that most of the fall sports are finishing their seasons, it is time to move on to the winter sports. Men’s basketball will have their first preseason game on November 20 against Cooper Union, and currently they are working very hard to sharpen their skills. I recently had a chance to interview Coach Gene Victor, and I asked him about his thoughts for the season.

First of all, the team will feel the loss of Ben Turk. Turk played center and was dominating presence on both offense and defense. The Beavers will, however, return 8 players from last year’s varsity team including Senior Rajat Kongovi, Juniors Jay Henderson, Mike Kuhlen, and Matt Musicik, and Sophomore Chris Arnesen. These five make up this year’s tentative starting roster.

Coach Victor, in the midst of his twelfth year coaching here at Caltech, has a tremendous amount of respect for his squad this year. “We recruit academically, not athletically,” says Victor. “Out of the 18 players I have out there, only two played for their high school varsity teams. But we’re out there practicing everyday, working hard, and getting ready. We’re going to be as good as we can be.”

A member of three halls of fame and winning coach in more than 700 games, Victor has had a distinguished coaching career. As he reflected on his experience, he related that coaching for Caltech has been very enjoyable. “They’re here for the right reason,” said Victor of his players. Assistant coaches Marcel Gavrilits and Reggie Roberts, both graduate students at Caltech, will help out with coaching this season.

Personally, I’m really looking forward to some BASKETBALL, in light of the fact that the pros and owners can’t decide on how to split their earnings. So come see Caltech play Cooper Union, next Friday, November 20th, at 7:30 in Braun Gym.

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SPOTS
November 13, 1998

SPORTS

Men’s and Women’s Cross Country will compete in the Western Regionals tomorrow at 8:00 in Prado Park, Chino.

Women’s Volleyball finished their season with a record of 4-13.

Men’s Water Polo finished their season with a record of 1-10.

Zhao Huang and Xavier Fan led the Men’s Fencing Team, and Jane Garrity and Sarah Quan led the women in the Caltech Intercollegiate Tournament. The team will face UCSD and CSUF in San Diego tomorrow.

Men’s and Women’s Swimming/Diving opens its season TONIGHT against Chapman at Braun pool at 6:00pm.

The Men Beaver Basketballers square off against Cooper Union in their season opener tonight at 7:30 in Braun Gymnasium.

The Lady Beaver Basketballers square off against Menlo College tonight in their season opener at 5:30 in Bruin Gym. Be there!

Fleming, Page and Ruddock are all undefeated in Interhouse soccer.

Soccer season ends:
Team has high hopes for next year

BY TIM RAUB

The Men’s Soccer team lost a frustrating game to LaVerne, ending a season that pointed promisingly to future successes. The game was the third of the round-robin bottom-four team bracket that decided final SCIAC placements.

After losing a close match to Occidental to start the tournament, Caltech won its second match of the season against Whittier last Tuesday, and last Saturday’s loss to LaVerne landed the Beavers in eighth place in the conference, with a season conference record of 2-8 and a goals for/goals against ratio of 12/62.

The LaVerne game opened with a near score by LaVerne in the ninth minute, and a yellow card for a LaVerne midfielder two minutes later. Tech made many shots on LaVerne’s goal, but most went just wide or high. The referees, clad in pretty pink blazers, called a tight game, which may have cramped Caltech’s style: while LaVerne midfielders sent many through-balls down the sidelines, leading to a constant barrage of attacks on goalkeeper Brian Frazier, Whistles seemed to stop almost every Caltech offensive set as it began. In the 27th minute, a LaVerne forward took a tumble in the box and stayed down; mysteriously, the referees did not make a call, so Tech did the “nice thing” by kicking the ball out of bounds.

April Reed administered to the fallen player, and after LaVerne substituted, they did the “nice thing” back by throwing the ball back to the Tech goalie, who put the ball to resume play.

Frazier played another great game, making a flying save at the half-hour mark, but LaVerne finally capitalized on a perfect volley-shot in the 38th minute to put themselves ahead at half-time.

Caltech kicked off to start the second half, and Stefan Kazachi had a brilliant run to almost score an equalizer for the Beavers, but LaVerne scored another goal 16 minutes into the second half. Down two goals with time running down, Caltech made substitutions geared toward a more offensive approach. The approach paid off in the 19th minute, as Craig Vieregg kicked a long-range rocket past LaVerne’s flying keeper from 25 yards out. This was Caltech’s last gasp, as LaVerne controlled the ball for the rest of the half, defeating the Beavers 2-1.

The game, played on the North Field, drew a record number of spectators, including 21 Ruds and five Flems. The spectators made the most of the loss, critiquing the stylish do’s on LaVerne’s midfielders. “Hey, #171 Jason Priestley’s off ’90!210 — you can lose the sideburns!” A grand time was had by all, and the soccer team looks to build on this year’s successes next season. In the meantime, come support your winter sports teams!
Adam Villani: Multi-Media Guy

by Adam Villani

Jorge Pardo

Jorge Pardo is a Cuban-born sculptor who has made his reputation sculpting functional objects: lamps, chairs, a boat, a pier, and now, his house. The Museum of Contemporary Art has on display, for one final weekend, the redwood-clad house Pardo is building at 4166 Seward Lane, in the Mount Washington area of Los Angeles. Actually, he's not building it himself, but he did design it, is supervising its construction by a bunch of uncredited workers, and will live in it once completed. Pardo's house is a very low-key horseshoe-shaped ranch house surrounding a gravel courtyard, built on multiple levels to take advantage of a sloped lot that has a great, long view of the city.

I imagine it will be a nice place to live, but despite its claims to stylistically reflect the low-key wood-clad Richard Neutra and John Lautner houses of the neighborhood, one can't help but notice that it completely shuts itself off from its neighbors, presenting the street with nothing but a featureless, fortress-like wall. Take a look if you can, anyway; it's free. Open 12-5 this Friday, Saturday, and Sunday.

The Celebration

This new Danish import from director Thomas Vinterberg is a truly remarkable film. This raw movie shot on hand-held video with no extraneous lighting or incidental music is a stinging jab at bourgeois society, portraying a wealthy landowner's 60th birthday party ripped apart by revelations of great conflicts in family. Vinterberg is a colleague of the great Lars von Trier (The Kingdom, Breaking the Waves), and this film is similar in Vinterberg is a colleague of the great Lars von Trier (The Kingdom, Breaking the Waves) and this movie is similar in tone, but more direct and focused. One of the year's best films, there is not a single moment that does not have the ring of truth.

Petersen Automotive Museum

This past Saturday, I visited the Petersen Automotive Museum, located on the corner of Wilshire and Fairfax along the Miracle Mile in LA, and I quite enjoyed it. It's quite large and well-maintained, particularly for a county facility. One suspects huge infusions of cash from corporate donors. Regardless, the first floor is their more or less permanent exhibition, displaying quite a multitude of vehicles of historical interest amongst life-like surroundings that give one the feeling of being in a giant model train set. This focuses not only on the cars themselves, but on how the automobile has shaped life in America, particularly in Southern California. The second floor contains more specific and changing displays, ranging from movie stars' cars and antique motorcycles to the dazzling Porsche retrospective that just closed and the impressive Duesenberg exhibit (slogan: "Powerful Cars for Powerful People"). The third floor houses the kids' interactive area.

If you're at all interested in cars, this is quite an enjoyable place to visit. The museum is an unbalanced booster for the industry, but it makes for quite a treat to see so many fine, historical examples of design and engineering.

VARMUS...

CONTINUED FROM PAGE 1

In his discussion of the public's perception of research fund allocation, Dr. Varmus introduced two opposing models, that of (1) the King and his money house, and (2) Tolstoy's Army. The King's money house model thrives on the public's perception of what money is spent on, personal bias. For example, a scientist with a lot of funds may choose to support research among scientists in the same field, while paying only a minimal attention to other branches. It was this approach that precipitated the discovery of a cure for polio. An intense concentration was placed on a cure for polio, and this was accomplished simply by a soldier. Science advocacy groups tend to take this model because of their belief that their cause is insufficiently funded and that money is diverted elsewhere based on a bias. The contrasting model, Tolstoy's Army, incorporates the idea that working is the sum of the interests of thousands. This model is founded on spreading money across

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The California Tech
American History X explores racism and emotion

by Justin Ho

American History X
Rated R for: violence, strong language, a prison scene, and nudity

American History X is cleverly photographed in segments, incorporating a sequence of flashbacks in each segment which portray an increasingly disturbing and tragic past leading to the incarcration of Derek Vinyard.

The trouble starts when the brother's father is murdered while putting out a flaming crackhouse in an economically depressed American neighborhood. Interviewed amid tear jockers, the reporter asks Derek Vinyard how he feels, and how should he feel? The pain of Derek's historical experience is usually adequate to satiate a reporter's curiosity, yet Derek still accords in very normal clothes at the time, aware of the burden of minorities in general. Shielding himself among white rage rhetoric as a defense against vulnerabilities, he is at the dinner table, and growing influence of minorities vigorously in the few seconds he has on camera, stopped only by his shocked mother.

His casually racist disposition grows in intensity into a furious political discussion of the evil of affirmative action when his mother, on the rebound, invites his Jewish boyfriend to dinner. At this point, the translation is complete, and far from being the stereotypical, misguided ignorant teenager who was once easily swayed to xenophobic beliefs but slow to defend them, Derek expounds his racist fury with rational basis. The manifestation of his abusive temperment just clicks at the dinner scene, with mother Debbie Vinyard, (Beveryly D'Angelou) hapless and enraptured, murmuring what did I do? What did I do? The sheer terror and consternation of the family engagement is only a precursor to that night's insidious and sadistic. Merciless in his show of supremacy over two black, would-be cheaters, his face of pure evil and triumphant snarls at the heart—Norton is a god. His look of pure pleasure after the heinous slayings would inspire terror in everyone, and even more captivating is the look of pure helplessness on the face of Danny.

In the wake of Derek's sentence, the formerly poorly organized minions of White fascism in the Vinyards' community erect Derek as an idol, and Danny is doomed to repeat the madness of his brother.

Certain events occur in the prison which simplify the often-humbling effects of incarceration, yet blame can not be placed for preservation of cinematic brevity.

There is an idealistic quality to the character who acts as Derek's mentor and fellow prison folk. As a counterpart on the other end of the racial scheme, he does the seemingly impossible by transforming Derek to a softer side.

A guilty conscience even pervades Derek's thoughts as he finally realizes a tone of injustice. Quick to condemn Rodney King in the past, Derek is bothered by the fact that he was sentenced to 3 years for the slaying of two people, while his partner was sentenced to 8 years for television theft and a spurious charge of police assault. While the prison interplay is didactic at times, it is genuinely heartwarming to see his hints moments of Levy to relieve the otherwise serious overtone of the feature.

When Derek returns, his mind is set on the goal of re-jecting his hateful past and preventing his brother from following a similar path. Yet, each action has its consequences, and the past is not so easily erased.

In a momentary divergence to colored flashbacks of the siblings as little children playing in the water at a beach there is a nostalgic pang of innocence lost. As the memories of days past filter through this wretched man's thoughts, he stands in front of the mirror, the emblem of neo-Nazi hatred burning on his chest.

Given the disturbing and unpredictable nature of the movie, there is no ending which is resolved or even truly appropriate. The consequences of actions done are not easily forgiven, and despite Derek's desire to make amends, it is not adequate for redemption. However, the desire for atonement should not be seen as futile.

The ending is so distressing that its true effect can only be savored in the context of watching the movie, a film which despite lurid details is nonetheless uplifting. You will not walk out until the last credit has traveled to completion.

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The California Tech
A demon has invaded our happy world of Caltech: an evil presence that seeks to destroy our very way of life. Silitary, invisibly, it works its will, manifesting itself only in the form of a grotesque stench, concentrated at the north end of Moore Labs. What is its cause? Sub-quality fertilizer? A dead, decomposing body? A strange EE experiment gone wrong? Or is it some piece of infernal evil, ripped from the bowels of Hell, sensible to us — through our imperfect perceptions — as only a patrid and horrible smell?

What is its cause and will? Nobody has yet to explain it nor its purpose; one can only asphyxiate when touched by its presence. All we know is this: it now lurks primarily to the north of Moore Lab and in the parking lots around the building, it is strongest and most perceptible at night, and it smells really bad. Also known is that it is spreading, slowly, it creeps its way west to the Del Mar apartments, east toward the sheltered courtyards of Avery, and south beyond Moore Lab.

It is a powerful force. Even the strongest of will and bravest of heart cannot stand it for long and when touched by its presence can summon up only terror. "My God, what is that horrid stench?" And why should all of you who live on campus worry about a problem so distant as Avery House? As I have said, the smell is spreading, and soon it may be upon the entire campus. Nobody is safe! Something must be done before it is too late.

If you think I'm a raving madman, going on like this about such a minor matter as a bad odor, you are partially correct. But do not judge me until you have experienced for yourself the overpowering disgust of the demon stench! Then you, too, would be roused about the lack of action against this terrible invasion of our senses.

Now that I've had my say about "the smell," it is time for something completely different. It seems more people read the Tech, and my column, then previously thought. The Tech Office recently received a letter addressed to me, from an unknown sender, which contained a good amount of religious propaganda, apparently from the Institute for Creation Research. It included a pamphlet for the "Creation Museum" (conveniently located at 10946 Woodside Avenue North, Santa Fe, CA 90071, for those of you who are interested), "Days of Praise" — a collection of Biblical wisdom for each day "What to do to go to Hell?" (should I take that as a hint?) and an ordering form for further information and articles.

Apparently someone is concerned that I'm on my way to Hell? While I appreciate the sentiment, I can't say I share in that belief. First off, I'm an atheist, so I don't believe in God, let alone Heaven or Hell. And even if I were not an atheist, my default religion would be Judaism, as that is my heritage. So either way, according to all of the Christians out there, I'm going to Hell. I also believe in an afterlife, so there's another minor snare in the argument. In my philosophy, when we're dead, we're dead — nothing more than a rotten corpse in the ground. Pleasant, ain't it? Personally, I think I'd rather suffer eternal torment in Hell than eternal nothingness, but I have no reason for changing my system of beliefs at this time.

I've also thought, at times: what's so bad about going to Hell, anyway? Eternal torment and pain? I'm already attending Caltech — how much worse can it be? And besides, all of the cool people in history went to Hell: Plato, Socrates, Homer, Virgil, Eniid, Archimedes, Caesar, to name a few. How interesting could the conversations be in Heaven? What would there be to talk about? The weather's always bad; there aren't any disasters, catastrophes, strife, or human drama (really, what else to people talk about, except here at Caltech where convos are always a good alternative?).

So, to whomever decided to try to save my soul, I appreciate the thought (and it's the thought that counts, right?), but I'm not interested. Go sell fruitcakes somewhere else. I'll probably start by making my anti-religious diatribes in another edition, but right now I've got a few problem sets calling my name. Until next time: may your religious deity of choice be with you!

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**Bio**

_University of California, San Francisco, Ph.D., 1992. Postdoctoral fellow in the lab of Dr. Bruce Beaty, Ph.D., at the University of California, San Francisco, from 1992-1999. Current position: Assistant Professor of Psychology, University of California, San Francisco. My research focuses on the role of social factors in the development of psychopathology. I have published over 20 papers in peer-reviewed journals, and have presented my research at numerous national and international conferences. My work has been supported by grants from the National Institute of Mental Health and the National Institute of Diabetes and Digestive and Kidney Diseases. I am a member of the Society for Research in Child Development and the American Psychological Association. My research interests include the role of social factors in the development of psychopathology, with a particular focus on the role of social support in the prevention and treatment of mental health disorders._

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1. Collect lots of freebies!

**UNDERGRADS, GRADUATES AND POSTDOCS!**

_The CDC is looking for a few creative students with organizational and solution-finding abilities to assist with the planning of Career Day on February 18, 1999. Committee members will commit to attending approximately one meeting per month prior to Career Day, and serve as hosts for company representatives on Career Day. If you are interested or would like more information, please contact Tom or Jennifer at ext. 861 or jobies@caltech.edu._
Dean’s Corner

To Risk and Not To Be

by Jean-Paul Revel

people.

In all these activities, as in anything we undertake, there is a chance of failure, and the possibility of getting hurt. Yet risk-taking is a necessary ingredient of progress. The turtle needs to stick out its neck to move forward, my professor used to say. But the necessary daring has to be controlled. “I dare do all that become a man; Who dare do more, is none,” said Shakespeare (Macbeth, Act I, Sc. 7).

Indeed, Daring do more, is believing that one cannot fail, that one is immortal, and is one of the behaviors characteristic of the young. A famous risk taker, Charles Lindbergh, claimed he didn’t “believe in taking foolish chances, but nothing can be accomplished without taking any chance at all.” Risk taking for the sake of risk itself is foolish.

Young people, however, need practice to learn how much risk it is appropriate to take in order to find out when the returns are worth the danger. Lindbergh could believably say his piece, having succeeded in the New York-Paris crossing which made him so famous. Had he disappeared on route, he might have been seen as a foolish daredevil. But he was 25, an experienced mail pilot, with the sufficient experience and know how, so he ended up a hero to the relief of the admiring populace.

But under what circumstances is anything worth the risk to die prematurely? The operative statement is that one must not take “foolish chances”. Unfortunately foolishness, like beauty, is in the eye of the beholder. Flying solo to Paris in a single engine plane could surely be seen as foolishly dangerous if attempted by less experienced and confident people. But is it foolish to climb Everest? Many have died there, some, like Mallory, in glory for having attempted where nobody had yet succeeded, some in, can I say, infancy?

Being taken up, yes even that is hard, they surely must have had the wish to succeed, and anticipated the pleasure of vanquishing such an adversary, just as many of us who are satisfied by testing ourselves on lesser hills.

I guess what’s wrong with the newly dead on Everest, is that their search was selfish, and endangered or jeopardized others in their care. I remember the picture of one climber who barely did not die, his hands frozen and face blackened, being carried back to the wife and children whom he had left behind. How could he have taken such a risk just for his own selfish pleasure? That he would have tested himself as a young man without responsibilities except to himself, that I understand (assuming he had the proper know how, acquired by gradual endeavors of ever-increasing difficulty, under the tutelage of truly knowledgeable guides).

But what is to be gained in a risky endeavor has to outweigh the negative consequences of failure. Do not assume from what I said that I value a “safe, watch your step, be careful, don’t try this yourself” attitude, a cocooned approach to life, maybe with a computer interspersed between us and harsh reality. No, I don’t.

Each of us must find our way of doing things—of living life—fully. I can only ask that appropriate caution be used, that applicable laws be respected, that serious and deliberate consideration be given to the impact of one’s actions on the neighborhood, physical, emotional, intellectual.

So many young adults (old adolescents?) do not factor in their own place in the world in their risk-taking behavior. They are becoming independent from their parents (although the ties the parents feel remain in place) and have not yet been integrated into a world that truly depends on them. They don’t have the families or children who would be subjected to hard times without them.

And yet, even discounting parents and siblings there are already others affected. In the short year that you were with us, Alex, you made so many contacts, touched so many hearts, that your disappearance has caused a lot of pain and distress, not just at home but here among us, your brief acquaintances.

We are not islands, each of us, proudly aloof of each other. We are not plants standing close to each other but separate, independent individuals, but are rather like an Aspen forest or a ring of mushrooms or a coral reef, with more or less strong links between all the individuals. We are bound by heartstrings, invisible and mysterious, and none of us can disappear without leaving a void.

May your memory live among us Alex, and may it prevent others from taking a path similar to yours.

An eulogy

Jean-Paul Revel

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Information Session: Wednesday, November 18 The Athenaeum, 7:00 p.m. Win a Trip to Cancun!

Interview Date: December 4

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The business department of the California Tech is looking for new staff members. Positions are available for distribution staff and advertising sales. Interested parties should contact the Business Manager at x6154.

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Monday, November 16, 1998 at 4:00 p.m.
Student Activities Center
Room 13
Announcements

The Career Development Center (CDC) is looking for current graduating seniors to participate in focus groups, full-time employment related needs. Whether you’ve decided to go to grad school, get a job, do both, or anything in between, if you started thinking about it, the CDC would like to hear from you. Each focus group will last approximately 2 hours with refreshments and will serve as great networking opportunities. Email student.career@calsc.edu or call the CDC at x6261.

Attention Seniors: Hard copies of the DOD Fellowship application are available in the Fellowships Advising Office. You can also access the online application at http://www.battelle.org/ndSEG. The formal name for the DOD fellowship is the National Defense Science and Engineering Graduate Fellowship Program or NDSEG. It has nothing in all to do with government service and those who applied for the NSF and have U.S. citizenship should apply. The application receipt deadline is January 20, 2009. Contact: Lauren Stolper, Director, Fellowships Advising and Resources Office, MSC 25-58.

Study Abroad in Cambridge. Come find out about Caltech's new study abroad program in Cambridge, England. Wednesday, November 18 at 12 noon in Winnett Club Room I. This will be the only meeting during the fall quarter. Please sign up if you are interested, and the group will meet during the summer. RSVP to jen.moore@caltech.edu. If you can, please plan on coming and we can get a count for lunch. Current Fresh, Sophomores, Juniors and Seniors who are not graduating until 2009 are eligible to apply. Contact: Lauren Stolper, Director, Fellowships Advising and Resources Office, MSC 25-58.

El Lissitzky (1890-1941), one of the most influential artists of the early twentieth-century Russian avant-garde, will be the subject of an exhibition at the Getty Research Institute for the History of Art and the Humanities opening on November 21, 1998. The display will draw entirely on the Getty’s own collections, “El Lissitzky of the Future?” designed by El Lissitzky. A pre-opening press preview will take place on Friday, November 20, 9:00-11:00 am. To make required reservations to attend the press preview, call Paula Tia at 310-440-6609 or send a fax to 310-440-7300. Parking reservations to visit the exhibition call 310-440-7300.

Interested parties may nominate themselves to be Big T Business Manager by signing up on the door of SAC 33. The Business Manager is responsible for keeping the books and getting advertising for the Big T. This position carries with it no

The Nutcracker will be presented by the new Pasadena Civic Auditorium Foundation at the Pasadena Civic Auditorium, 100 E. Green St., Pasadena, Calif., 91101. For more information call the ASCIT publication/organization.

Low-cost and free mammograms and Pap tests will be available at hundreds of approved facilities throughout the months of October and November. These facilities are listed in the free Breast and Cervical Health Services Directory. An English and Spanish directory is available by calling 1-800-706-3131 or visiting an American Cancer Society Office.

Caltech & Cappella Get over being unlikely! Come hear a cappella concert by Caltech's a cappella group, Cappella Friday, November 13, 9:00 pm at Winnett Lounge. Free admission. No tickets required, space is limited. Call Rachel Steinberger, treblech@caltech.edu.

Caltech SEDS (Students for the Exploration and Development of Space) will be holding a general club meeting on Saturday, November 15, 7-9:00 pm in Pegram 201. If you’re interested in space, star-gazing, and/or undergraduate research, come on by! Everyone in the Caltech community is welcome. We’ll be nailing down plans for a lecture series that will include Caltech faculty and JPL engineers, as well as neutron’s tours, Star Parties, and technical projects. Email the executive committee of SEDS for more information on how to join SEDS and its activities.

Caltech SEDS will also have a star party at Joshua Tree the night of Monday, November 16, which corresponds to the peak of the Leonid meteor shower. Telescopes will be along. For more details email the SEDS excom.

The 3rd lecture in the fall semester series on Science, Ethics, & Policy will be held on Friday, 20 at 4:00 p.m. in room 25, Baxter. The lecture is on "Science, Ethics, & Policy in Global Climate: The First One Hundred Years, 1859-1959" will be given by Dr. James R. Fleming, Professor of Science, Technology, and Society at Colby College. Refreshments will be served in Juday Library in Baxter following the lecture.

The Toy Train Operating Society will be holding an open house at the Exhibition Building of the Pasadena Civic Auditorium, Sunday, November 15, 9:00 a.m. to 2:00 p.m. General admission is $5.00. Features will be hundreds of tables filled with model trains from throughout the century. For more information, call 818-888-0603.

The Toy Train Operating Society will be holding an open house at the Exhibition Building of the Pasadena Civic Auditorium, Sunday, November 15, 9:00 a.m. to 2:00 p.m. General admission is $5.00. Features will be hundreds of tables filled with model trains from throughout the century. For more information, call 818-888-0603.

The Distinguished Speaker Series continues with Governor Mario Cuomo on Monday, 16, 1998 at 8:00 p.m. at the Pasadena Civic Auditorium. For information, call the Pasadena Civic Box Office at 626-449-7360.

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The Southern California Chapter of Women in Cable & Telecommunication is offering a $1,200 Jeannine Cardinal Grant to one female junior or senior student residing in Southern California. Applicants must plan to pursue a career in the telecommunications field, have a 3.0 or higher GPA, and be a member of the Women in Cable & Telecommunications. Applications are available by contacting Jeannine Cardinal, 719 S. Vermont Ave., Los Angeles, CA 90005. The application deadline is February 15, 1999.

The Elie Wiesel Foundation for Humanity sponsors an annual essay contest for full-time undergraduate students in colleges and universities throughout the United States. Essays must be submitted on behalf of a student by an academic administrator, faculty advisor, or organization. Entries may be submitted by the same student, colleague, or family member in any one contest year. To obtain an entry form and further information, send a self-addressed, stamped envelope to: The Elie Wiesel Prize in Ethics. The Elie Wiesel Foundation for Humanity, 450 Lexington Avenue, Suite #1020, New York, NY 10017. All FAX submissions will be accepted. Entries must be postmarked by January 22, 1999, or be delivered to the Foundation by February 5, 2000. (FAX)

The American Electroplaters and Surface Finishers Society (AESF) is offering scholarships to upperclass undergraduate and graduate students who are declared or declaring as a senior year who are interested in careers in the electroplating and surface finishing field. Undergraders must be full-time and majoring in chemistry, chemical engineering, environmental engineering, materials science, mathematics, science, engineering, metallurgy, or mechanical engineering. To obtain an application form and further information, please contact the AESF. Applications and all required documents must be addressed, stamped envelope to: AESF Scholarship Committee, American Electroplaters and Surface Finishers Society, 12644 Research Parkway, Orlando, FL 32826-3256. The deadline is April 15, 1999.

The Caltech Financial Aid Office is proud to introduce a new link on our website called the Financial Aid News. This site is designed to provide students with updated information about scholarship opportunities at Caltech. Our office will post new updates every Monday and the site is accessible 24/7. You can view the web site at www.finaid.caltech.edu/news.html. (UFA)

For information on the listed fellowships, assistantships, with expenses, for clarification of conditions, contact:

FAR - The Fellowships Advising and Resources Office. For information, please contact lauren_stolper@stearlcaltech.edu. To make an appointment, call x2160.

UFA - The Undergraduate Financial Aid Office. For information, call x6280, or stop by 515 S. Wilson for an appointment.

To submit an event for the Mask, contact mask@tech.caltech.edu or call "The California Tech" Mail Code 040-058 by noon on the Monday prior to its inclusion. Submissions will be published on the basis of appearance. Please do not send notes in difficult formats like html or word documents. .pdf and ASCII are best. The editors reserve the right to edit and abridge all material. Solicitations will be refereed to the business manager.