



THE CALIFORNIA TECH



Blast from the past: Fire to celebrate a Caltech football team victory. These events, like the football team, have become a thing of the past.

Fire, Fire, Burning Bright?

BY TECH STAFF

Due to a misunderstanding Tuesday night, Caltech Security turned off the fireplaces in the South Hovses. Nearby students, formerly enjoying the warm glow of the fires as a welcome break from the stress of mid-terms, questioned Security as to reason behind their actions. The response was that the Director of Residence Life, Kim West, had notified Caltech Security of a policy that there was to be no fire in the South Hovses. As fire has been integral to South Hovse life since their construction in 1930, the undergraduates were quite distressed. After security left, undergrads relit the fires. Security came back a while later and turned the fires off again. This cycle repeated several times until Security finally gave up.

On Wednesday, inquiries to the Dean's Office and the Vice President of Student Affairs revealed

that they knew nothing of any new fire policies or Security's activities of the previous night. An inquiry to Kim West was somewhat more fruitful. She said that there had been a miscommunication between the Residence Life Office and Security. She did remind Security that there should be no fires in the houses but did not consider that they might take her words too literally. West stated "They shouldn't have turned the fireplaces off." However, with regard to other fire related activities she brought up the little publicized Caltech policy that, aside from the fire places, "There should be no fires in the South Hovses."

This strong stance from the Residence Life Office comes in the wake of an *Orange Country Register* story on some of the pyrotechnic traditions of Blacker Hovse. While the article was riddled with major inaccuracies and gave a sensationalis-

tic view of student life, the pictures of fireplaces ablaze with flame licking the mantle from several directions caused alarm among senior administrators in Parsons-Gates. Provost Steve Koonin (Lloyd, Class of '72) expressed concern over two aspects of the *Orange County Register* story. His primary concern was over students doing dangerous things in an irresponsible manner. The Institute can be held legally accountable for accidents which occur on their grounds. Koonin's second concern was that the story provided a very slanted, myopic view of Caltech's undergraduates as recreational bomb builders.

As scientists and engineers, many graduate and undergraduate students use potentially injurious substances and devices in their labs. These activities, while dangerous, can be done because students, staff, and faculty are aware of the dangers and have been provided with suitable control measures.

Tau Beta Pi leaders prepare for millenium.

BY GARY LEE

More than 325 students from 216 collegiate chapters recieved leadership and management training and then practiced their skills in conducting the business of Tau Beta Pi's 92nd convention held October 2-4 in Minneapolis, Minnesota.

Gary Lee, vice president of the California Beta (Caltech) Chapter, participated in the 1997 Tau Beta Pi Convention as a delegate. He served on the resolution committee and accepted the Secretary's commendation award on behalf of the Caltech chapter.

Tau Beta Pi is the national engineering honor society, now with 220 collegiate chapters, 59 chartered alumnus chapters and a

membership of more than 373,000 in 85 countries. Engineering students in the top fifth of their senior class scholastically are elected to membership on the basis of character. Graduate engineers may be elected on the basis of their eminent achievements in the engineering profession. National Headquarters of the Tau Beta Pi Association are located on the campus of the University of Tennessee, Knoxville. The growth of the association is a testament to the steady and enthusiastic 112-year involvement of students in the national engineering honor society. One new chapter was granted to Morgan State University, in Baltimore, Maryland, and awards were given to outstanding members and chapters.

TACIT's Thieves' Carnival Opens Tomorrow

BY VANESSA SIH

TACIT (Theater Arts at CIT) proudly presents its Fall 1997 production: Jean Anouilh's *Thieves' Carnival*, a romantic comedy. Convincingly portrayed by members of the Caltech community, the play manages to follow the mental workings of its characters through a light-hearted medium. The play rings true with genuineness, yet it manages to be hilarious. Set in Vichy, recreated in Dabney Lounge, the play concerns the machinations of an inept band of thieves and their outlandish plot to imper-

sonate friends of the wealthy Lady Hurf (Grace Yang). She cannot prevent her niece Juliet (Diana Lavelly) and Gustave (Brett Tolman,) a thief, from falling in love. With a stand-down at gunpoint, a heart attack, and beautifully realized romantic scenes, *Thieves' Carnival* is certain to entertain and delight. The play will be presented the next three weekends: November 8, 9, 15, 16, 22, and 23. Show time is 2:00 p.m. Tickets can be procured through the Caltech Ticket Office at 332 South Michigan Avenue, and are \$5 for Caltech students and \$8 for general admission.

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The Outside World

by Erik Dill

WASHINGTON D.C. --

Yesterday, the House voted to prevent some Chinese officials from visiting the U.S. Comparing Chinese actions to those of Nazi Germany, Representatives censured Clinton's efforts to work more closely with Beijing and promote democratic ideals through increased contact. In the decision, China was accused of "the worst human rights abuses in the world."

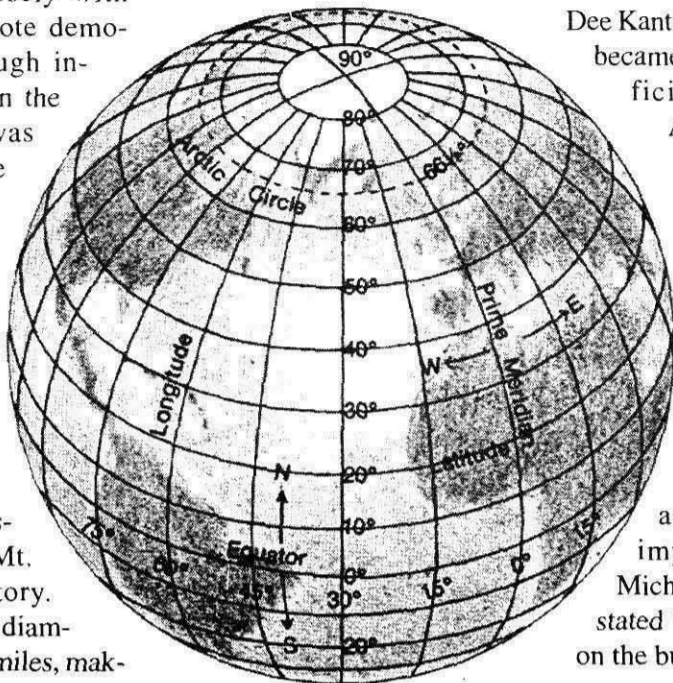
MT. PALOMAR, CA --

Two new moons were discovered orbiting Uranus by astronomers at the Mt. Palomar Observatory. The satellites have diameters of 50 and 100 miles, making them the faintest satellites yet detected with a ground-based telescope.

WASHINGTON D.C. --

National homicide rates have dropped over the last five years. Politicians and law enforcement officials cite various measures, including innovative tactics and tougher sentencing laws. However, Jus-

tice Department criminologists correlate the phenomenon with statistics showing decline of crack-cocaine use. This explains the trend even in cities without new crime-fighting measures, like L.A.



BAGHDAD, IRAQ --

Weapon inspections were canceled for a fourth straight day after Iraq barred Americans from working with United Nations investigation teams late last week. The U.N. group is responsible for enforcing the ban on weapons of mass destruction enacted after the Gulf War. Spokesmen from the

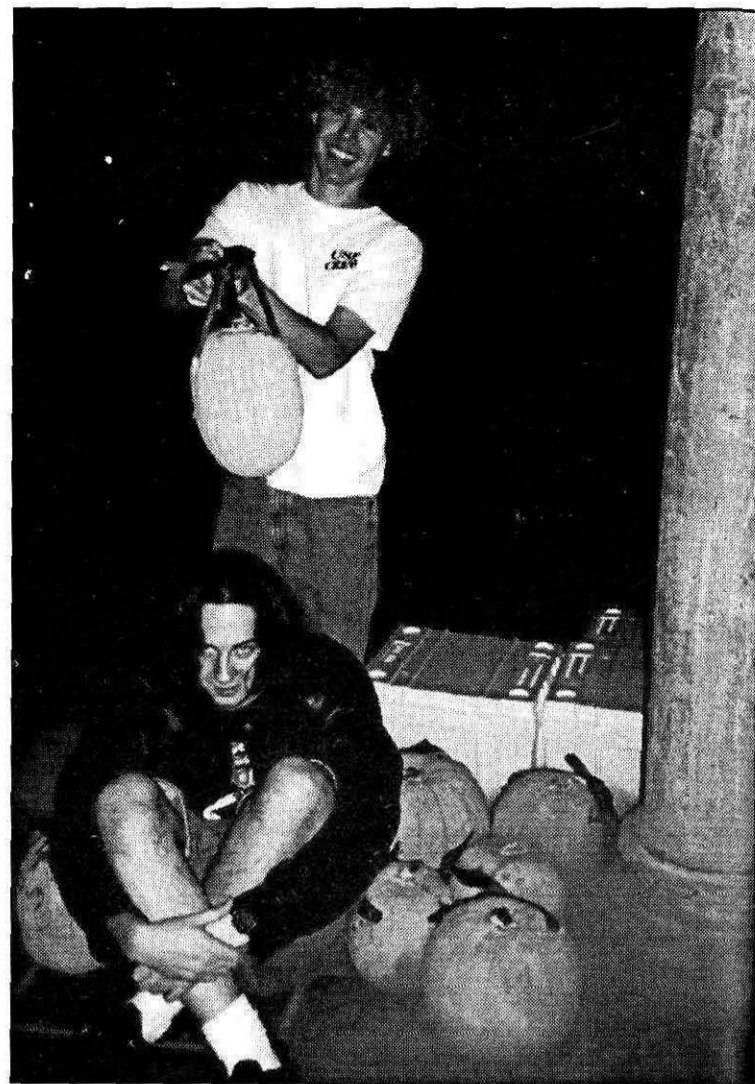
White House and the Pentagon stated that Iraq faces retaliation if it does not admit the inspectors, and left open the option of a military strike.

U.S.A. --

Dee Kantner and Violet Palmer became the first female officials in any of America's four major professional sports leagues. They were appointed to be referees in the National Basketball Association for the 1997 - 98 season, and had their first assignment last weekend. When asked how this will impact the game, Michael Jordan reportedly stated "You can't pat them on the butt anymore."

BARNEY SUES GIANT CHICKEN

The owners of Barney the Purple Dinosaur, Texas-based Lyons Partnership, filed a copyright and trademark infringement suit against The Famous San Diego Chicken. The Chicken, Ted Giannoulas, pretends to beat a fake Barney at baseball and basketball games across the country.



Owen Afireth and Chris Berger practice for the pumpkin drop.

CORRECTION

In last week's article about Caltech's acquisition of the USDA building, it should be noted that this parcel has already been rezoned; the Institute's application for a Conditional Use Permit for the site is a separate step in the City's land-use review process.

Separately, since 1989 the City of Pasadena has expressed interest in building a fire station at the southeast corner of Holliston and Del Mar, not at the site of the former USDA lab north of Del Mar. The City and Caltech are currently negotiating a lease agreement for the Holliston site.

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- The Road Less Traveled*
- How to Survive the Loss of Love*
- Minding the Body, Mending the Mind*
- How to Start a Conversation and Make Friends*
- Getting The Love You Want: A guide for couples*
- Dance of Anger*
- How to be Organized*
- Shyness*
- The Angry Book*

These books and many others are available for student use at **The Caltech Student Counseling Center** located in the Health Center. Books are kept on shelves in our lobby area and maybe checked out by students on their own.

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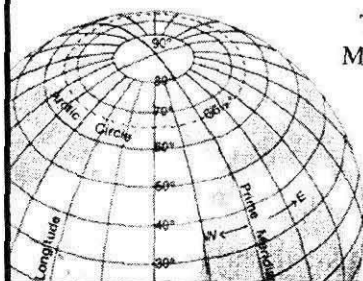


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A.S.C.I.T. Minutes

NOVEMBER 3, 1997

Present (at some point): BoD (minus Lori), Maria Satterwhite, Rob "The Chem God" Rossi

(This week Kate = Mike W. and Ashley = Mike A.)

Meeting opens at 22:15.

Dealing With Guests

Rob - Wants Ashley to put up a flyer for Z-League Volleyball in the ASCIT kiosk of the Olive Walk. If you never looked at the ASCIT kiosk, then now is your chance.

Maria - Is making trouble on the ranch.

General Business

The Tech - While Mic is not present at the meeting, he did send along another compensation schedule proposal. This new plan removes the salary portion of the Tech business manager's income and increases the advertising commission to 20%. Provisions for BoD approved end-of-term bonuses are also included. Mic predicts that he will net \$16,000 over a year (30 issues) for himself and his staff. Ashley's eyes actually bug out of his head.

There is a great deal of discussion over these figures. Alex and Ashley feel that this predicted income

is way too high. They argue that 20% is too much if it will result in the business manager hauling in 16 big ones. This new plan is roughly a \$1000 increase in compensation over the existing one. Kate argues that since the compensation schedule is built to provide incentive, we should not balk at large figures because they also imply that the Tech is bringing in lots of money. He feels that we should not cut Mic's compensation because he is doing a good job. Baldeep shares Kate's opinion. He argues that it is too late to reject this plan and that we risk having Mic quit or putting less work into the job for lessened rewards.

Baldeep moves to accept the compensation schedule. Kate seconds. Ashley declares that "this motion sucks." The BoD votes 3-3-1 on the motion with Baldeep, Kate, and John going yea, Ashley, Alex, and Adrienne going nay, and Kiran abstaining. Kiran doesn't realize how voting works and asks whether he can change his vote. He can't. Ashley gives him a firm boot to the head. Kohl casts his vote to break the tie and the motion passes 4-3-1.

The Bylaws - There are two bylaw change proposals being made. Kohl presents Proposition 665 which will clarify the voting procedure for amendments by determining how to deal with error. Adrienne presents Proposition 667 which will redefine the Executive Social Committee to bring the bylaws up to date with current practice and give the Social Director more flexibility. The votes to bring these Propositions before the corporation pass 7-0-0. Both of these propositions will be voted on in the

next election.

The Cash - Adrienne gets the check for the Halloween party. John gets Blacker's interhouse money for a Munch Party this weekend. Baldeep picks up the check for the CEVC.

Officer Reports

Baldeep - The letter asking for UROH submissions is almost ready. Baldeep presented the beginnings of "Frosh Directing for Dummies".

Kiran - The new ASCIT logo is not yet done. If ya got any ideas then email kshekar@cco. Hell, just email kshekar@cco anyway. Everybody's doing it. Don't you wanna be cool?

Adrienne - The GSC/ASCIT/Caltech Y jazz, wine and cheese thing is this Friday at 20:00 at the Red Door. Be there if you like jazz, wine, or cheese or any combination thereof. There will be early ASCIT donuts Friday, November 14, at 01:00 on the Olive Walk. You can get a second fix at 08:00 of the same day in front of the DRL's office. Adrienne is putting together a calendar of all registered (read: alcohol oriented) social events.

The Halloween party last Saturday was pretty poorly attended. Why God? Why? Maybe it's the more restrictive alcohol policy. Maybe everyone just hates us. Kohl asks whether we should get out of the party business altogether. John believes the

parties are getting better but there is still room to improve. He thinks that maybe folks do not know or care enough ASCIT in general. Ashley suggests that instead of organizing the party ourselves, we could put aside the money and farm the work out to the houses. Houses could pitch an idea for the party and then we'd give the best one the cash and set them loose.

Kate - The ARC met. The minutes may appear in the Tech in some form. There were a great many complaints about the state of the core. That's probably because it sucks. No progress has been made on the CLUE yet. If you have any ideas on what should be done with the second floor of Winnett, email them to westover@cco.

Lori - (Present in spirit.) The IHC is busy revamping the Disco rules about approved challenge sports. They are also clarifying the Rotation rules so that they officially kick in as soon as freshmen set foot at Tech as students. Lori met with Rich Fagen about getting a new ASCIT computer. He says that any funds he could give us would have to come out of those earmarked for the houses. Also, ITS is busy upgrading the computers available to undergrads. This year they are asking Intel for better machines for the main lab, and next year requests will be made for the house labs.

John - The dues check for first term should be coming in soon. As for Kohl's request for simplification of the receipt of tax-deductible donations, the Development Office would prefer that we go through them.

Ashley - There will be an election Wednesday, November 12. Three by-law change proposals and the office of BoC Secretary will be on the ballot. The text of the changes will be posted in house bulletin boards and printed in this Friday's Tech along with candidate statements and pro/con articles. Kohl wants Ashley to set up a web-based survey about club funding. Ashley gets to discover the joy of working with slide bars. We still need a new computer, so Ashley is going to ask Student Affairs for some bucks. The crap in the office will be archived at some point.

Alex - Whatever.

Kohl - Got the Alumni Association Student/Faculty/Alumni Relations Committee to kick in \$1000 for the ASCIT formal.

Meeting adjourned at 00:04.

Respectfully submitted,

Michael D. Astle
ASCIT Secretary

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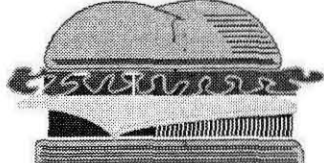
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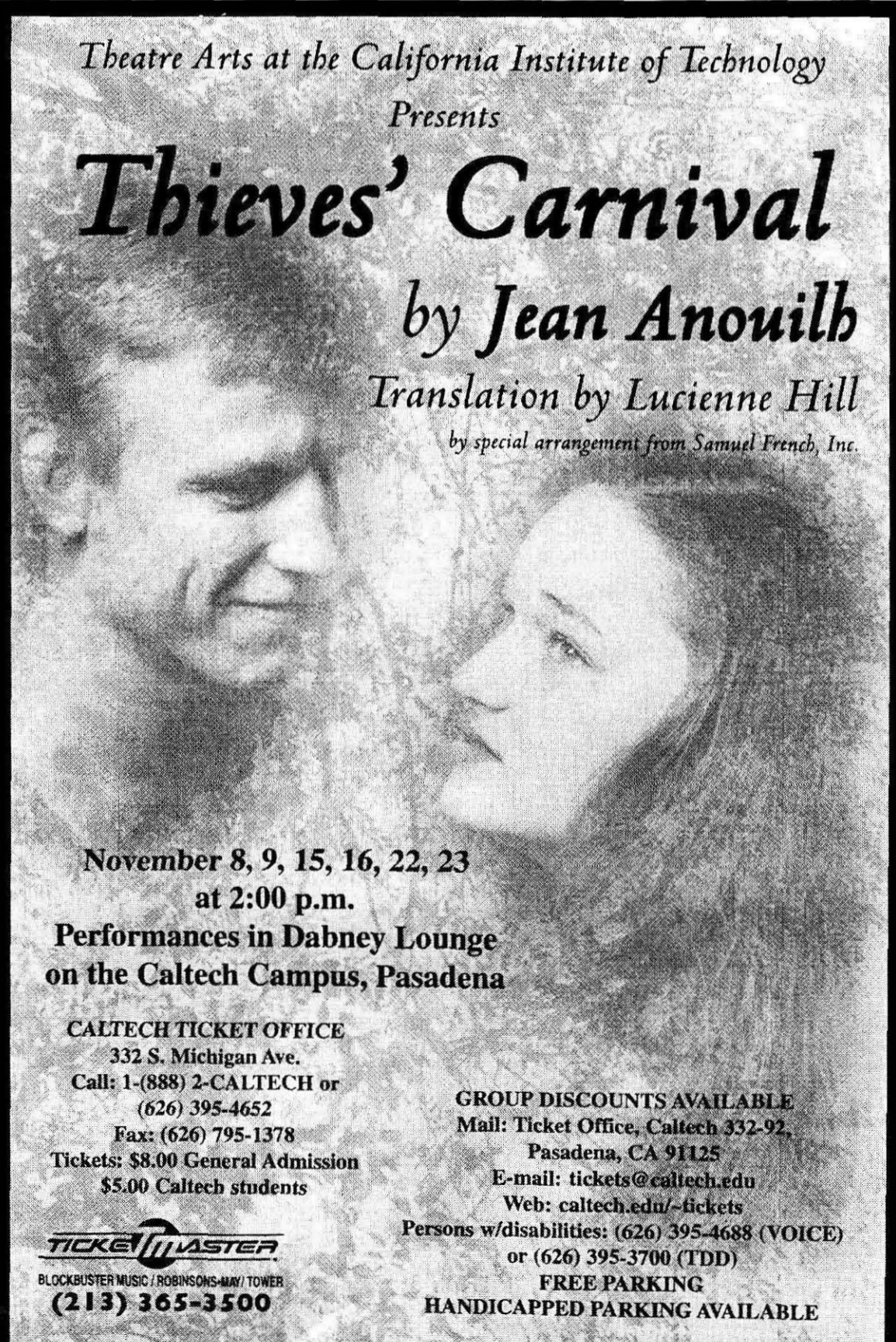
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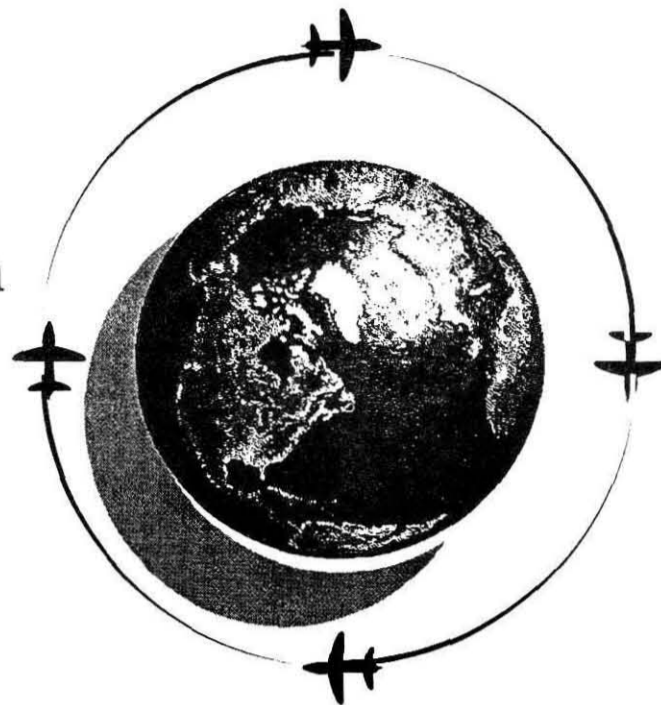


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✓ ASCIT Election 1997 ✓

Proposition 665: Clarification of Bylaw Amendment Procedure.

Proposed changes: Delete the following lines from Article XI, Section 1 and 2.

SECTION 1: . . . Notice of the election and a complete statement of the amendment shall be posted and published at least seven (7) days previous to the election. A two-thirds (2/3) majority of votes cast shall be necessary for adoption.

SECTION 2: . . . Notice of the election and a complete statement of the amendment shall be posted and published at least seven (7) days prior to the election. Two-thirds (2/3) of the votes cast shall be necessary for adoption.

Insert this text:

Article XI, Section 3. Notice of the election and a complete statement of the amendment shall be posted and published at least seven (7) days previous to the election. For passage, an amendment must receive more than two-thirds (2/3) of the correctly-cast non-abstaining votes plus two-thirds (2/3) of the error. Error shall be defined as in Article VII, Section 3.

Proposition 667: Redefinition of the Executive Social Committee

Proposed changes: Replace existing Article XII, Section 2.

Existing Article XII, section 2:

SECTION 2. The Director for Social Activities shall be chairman of the Executive Social Committee. The Board of Directors, with the advice of the outgoing Executive Social Committee, shall appoint no more than three at-large representatives. The remainder of the committee shall consist of the social chairmen of each undergraduate House. The Executive Social Committee shall be responsible for planning and organizing all social functions of the Corporation.

Proposed Article XII, section 2:

Article XII, Section 2. The Director for Social Activities shall be chairman of the Executive Social Committee. The chairman may appoint representatives to the committee at his discretion. The Executive Social Committee shall be responsible for planning and organizing all social functions of the Corporation.

CON

by Kiran Shekar

You should vote 'no' on Proposition 665 because the situation of a Bylaw vote being close to 2/3 'yes' and 1/3 'no' is really quite small. When it does happen, however, the system in place currently takes care of itself by punting to the Executive Committee for a decision.

The most recent vote concerning the Board of Control just lends weight to the argument. If the vote on a Bylaw change is so close as to differ significantly as a function of the error, it doesn't make sense to set a formula down in stone to deal with the situation. If it's too close to call, the ExComm should step in.

Vote 'no' on Proposition 665.

PRO

by Kohl Gill

You should vote 'yes' on Proposition 665 for the simple reason that it is an oversight by the original writers of the Bylaws, that must be corrected. This is not a case of one formula vs. another, because the formula given in 665 is consistent with the previous Bylaws concerning election procedures.

The case of a vote being close enough to be decided by error has happened just now and can happen again. It would be silly of us to ignore this oversight now.

So vote 'yes' on Proposition 665.

CON

by Mike Astle

Proposition 667 is a bad idea because it gives the Social Director too much authority over who is on the ASCIT Social Team. If the Director so chose, the entire team could be from one house, thereby severely biasing the ASCIT social events toward that particular house's style. The social events would become little more than extensions of that house's events, and would lose all house-independent character.

PRO

by Kohl Gill

The fact is, the Bylaws in this case mean well but are too restrictive, given the current method of operations in ASCIT. Loosening the requirements for the Social Director gives the Director, and the rest of ASCIT, the benefit of a more flexible, more cohesive Social Team, with no real penalty. The Social Directors realize their responsibility to the entire community, so treating them as reasonable people is definitely in line with the philosophy of trust at Caltech.

Vote for Proposition 667.

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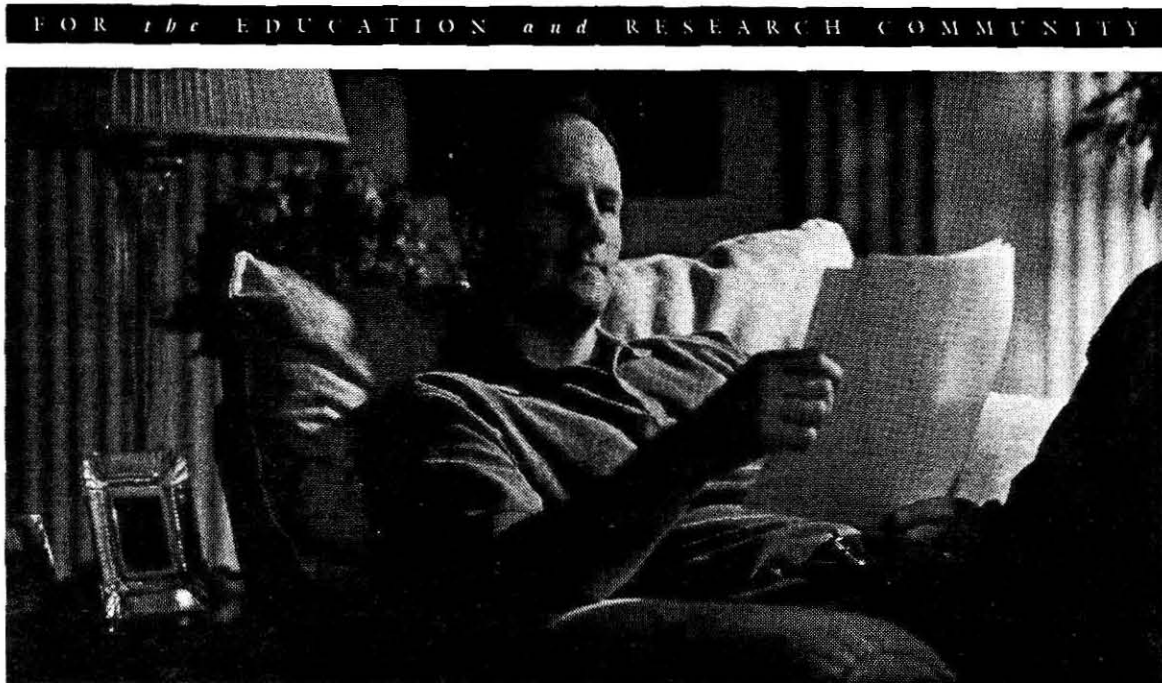
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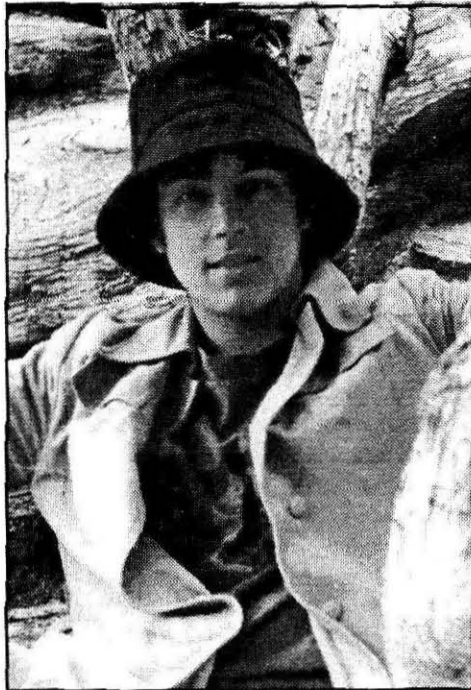
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✓ ASCIT Election 1997 ✓

BoC SECRETARY

Brigitte Roth



Ever since I was a little girl, I have been yelling: "But that's not fair!" Justice has always been important to me. That is why I now ask you to allow me to serve this community as Secretary of the Board of Control.

In addition to taking minutes and dealing with lots of paper work, as secretary I would, along with the chair, perform preliminary investigations, determine whether or not to take a case to the full Board for a hearing, and would bring any non-dismissal to the Deans, on behalf of the Board. These are very important responsibilities and decisions, that greatly impact the effectiveness of the Board of Control and honor system. I do not take these lightly because I know that I would not want the secretary to take them lightly if I were ever involved in a case. In dealing with honor system violation cases, I believe in the importance of looking at the cases from many different angles, and will encourage the Board to do so, thoroughly thinking every decision through.

Serving on the Board as a Representative at Large as well as having performed as secretary before, I am fully aware of the responsibilities involved. The time com-

mitment, in my opinion is the very least of it. What is important is my dedication to justice. You can trust me to be fair and responsible in service to the undergraduate community as Secretary of the Board of Control.

Thank you.
Brigitte Roth

Kevin Bradley

Last term I ran for Board of Control Secretary and I still want to do the job. The reason that I want to be BoC secretary has not changed. I still think that the Honor Code and the House system are what make Caltech the best school in the country. Caltech is my sixth school and I can't think of any other school that I would rather be at. With that in mind, I have a burning desire to be a part of the system that makes Caltech what it is. I believe that I have all the qualifications that would make a good member of the BoC. My age and experience in the Navy have given me a unique perspective. I have been in the position of the accused during my time in the Navy so I have a great deal of empathy for the students that are accused of Honor Code violations. I know what it is like to face a board of my peers. I know what it is like to be a witness in such examinations. I think that I

Photo not available.

have the ability to step back and look at the situation from an objective viewpoint while still being able to take into account the best interests of the Caltech community and the accused. I believe that all these things and my genuine desire to serve my fellow students make me the best candidate for the job of the Board of Control Secretary.

Kevin Bradley

The election for BoC Secretary is scheduled to take place on Wednesday, November 12, from 10:00 to 22:00. Vote in your house lounge.

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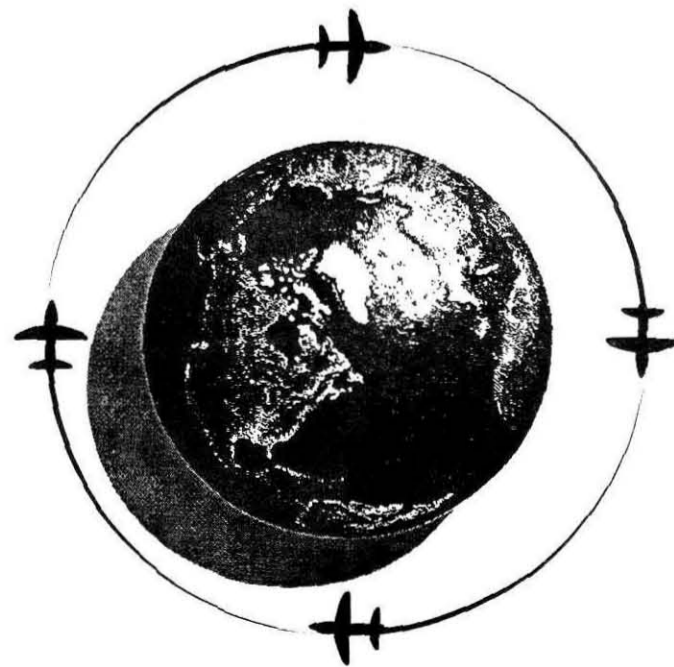
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Dean's Corner

Sweet smell of Onions

by Jean-Paul Revel

tires hitting the ever widening cracks which had been developing between cement slabs. They had now been covered by smooth tar over which we drove with a uniform, silkily hushed squeal. A surprise, a pleasant surprise.

So were the new speed limits, which made one feel much less guilty than before to drive over 65 in the valley. Of course it meant that the traffic was closer to 75 or even 80, but somehow it was more controlled, this being a speed that few people would normally exceed on their own, because the front ends of many cars start to feel light, or wobbly, uncomfortably out of control.

The traffic on the I 5 had a very different feel from that on the autobahn in Germany. where even when you reach 120 km/hr (the maximum speed I ever managed to squeeze out of my economy rentals), there are cars behind you that were not even on the horizon when you pulled out to pass a trailer, urgently blinking their lights, trying to clear the road ahead.

No, actually the I 5 had a much more peaceful feel, not an elbowy cold pushy one.

Before I left I had searched the Internet to find a place to stay and discovered it would also draw me a map to my destination. Very obligingly, I was informed that I should make a left turn, 0 miles out of my cul de sac in Pasadena and then a right one 0.1 miles down the road. It also told me that it would take me 8.5 hrs for the trip. That seemed a bit long because I remembered driving to give seminars at UCSF, by leaving at 4 in the morning and arriving a little after noon

when the speed limit was much lower. In fact, the program did seem to assume that one spent a lot of time contemplating the scenery.

Now there are those who claim, "Scenery? Shiminey! What scenery?" But I believe that they are all wet.

For me it was wonderful. Yes, the road is straight, and for some of the way is very flat, or overshadowed by power lines, or both. But there are lovely surprises also, like the vineyards that have sprung up, the cotton fields, the 2-D crystalline structure of orchards with their thousand of trees whose trunks are wrapped in white like the leg of horses in period English drawings. There are soft hills, very soft, very curvaceous mounds covered with golden grass, dotted here and there with cows, black and white and grazing peacefully.

I remembered the few times I took the Panoche road, parallel to the main highway, and much slower. The name sounds bombastic and warm, straight from the South of France, but it is a delightful alternate way to go. It meets I 5 near the Apricot House, a favorite stopping point. They used to have the walls covered with incongruously delightful, suggestive photographs of fruits and vegetables, but unfortunately these are gone, replaced by more marketable, I suppose, but rather boorish and vulgar souvenirs. I paid my bill next to a life size cut-out of Clinton and one of John Wayne with holstered gun and rope at the ready.

Actually, I only traveled the Panoche road north to south — never the other way. I started at Hollister, which appealed to my curiosity because there the San Andreas fault glides smoothly, so there are frequent, but only small, earthquakes, with the ground on either side of the

fault moving "visibly." Well, not really, but it is fun to dream of putting a chair astride the fault and being slowly twisted around.

From Hollister one ends up in hilly country on winding roads, with a few scattered houses and meadows, and trees, very bucolic. On the way one passes jagged peaks of pink stone, half of which are still far south, anchored to the slow moving American Plate.

One time, a big tarantula, the biggest in the land I am sure, crossed just ahead of the car. It jumped into the grass on the side of the road and disappeared.

There was something so primitive and strong in the hairy creature, something out of *Star Wars* and *King Kong* at the same time, a suspended nacelle supported by all-terrain gear.

How much we miss here on the edge of our Metropolis. I only saw one "wild" tarantula in Pasadena in my long years here.

Along I 5 there are all those incongruous signs for Santa Nella, only 200, only 134, only 17 miles ahead. One passes by a small landing strip near the Harris ranch, a destination for Sunday pilots, and a detention facility, which looks like an industrial building (is that where they make the license plates?).

Shortly after the Kettleman City turnoff, there on the right, are feed lots with thousand of cattle standing around aimlessly, trying to figure out where all the grass has gone, heads hanging low, sniffing only manure where they are sure the grass should be.

Road signs to places like Button-willow, Avenal, Coalinga, Gustine; more rolling hills rising in the distance to more ragged peaks; soft hills across which the road makes a slash, with oscillations polarized in

SEE PUMPKIN ON PAGE 10

For the first time in many a year, I recently had the occasion to drive up to the Bay area and back. It was a utilitarian trip and the idea was to get there and back as fast as possible. No sight seeing this time, no smelling of flowers or relaxing on the way.

Surprise! it turned out to be a most enjoyable trip on this most calumniated of roads. I have done it so many times over the years that everything was really familiar, and yet, perhaps because of the hiatus, it was also new and different.

Like going back home after a long absence, discovering that things are much smaller than you remembered them to be, that your recollection of the sights and smells is somehow not quite accurate, yet sufficiently close to bring back memories . . .

Is that the same wax that was used to "block" the linoleum floors when you left home, or is it a new brand? Are the cold smells of the kitchen in the afternoon, before the preparations for the evening meal get under way, the same as they had been? And why is the little storage room next to the kitchen redolent only of warm summer afternoon dust, when you remember there should be a distinct overtone of dill and vinegar from the pickles that grand manman used to make in a crock sitting on the little wooden shelf by the light switch near the door?

On Route 5, which I took for my dash North, after the slow climb up the Tehachapis, and then the sudden dramatic plunge into the San Joachim valley, I missed the rhythmic plomp of

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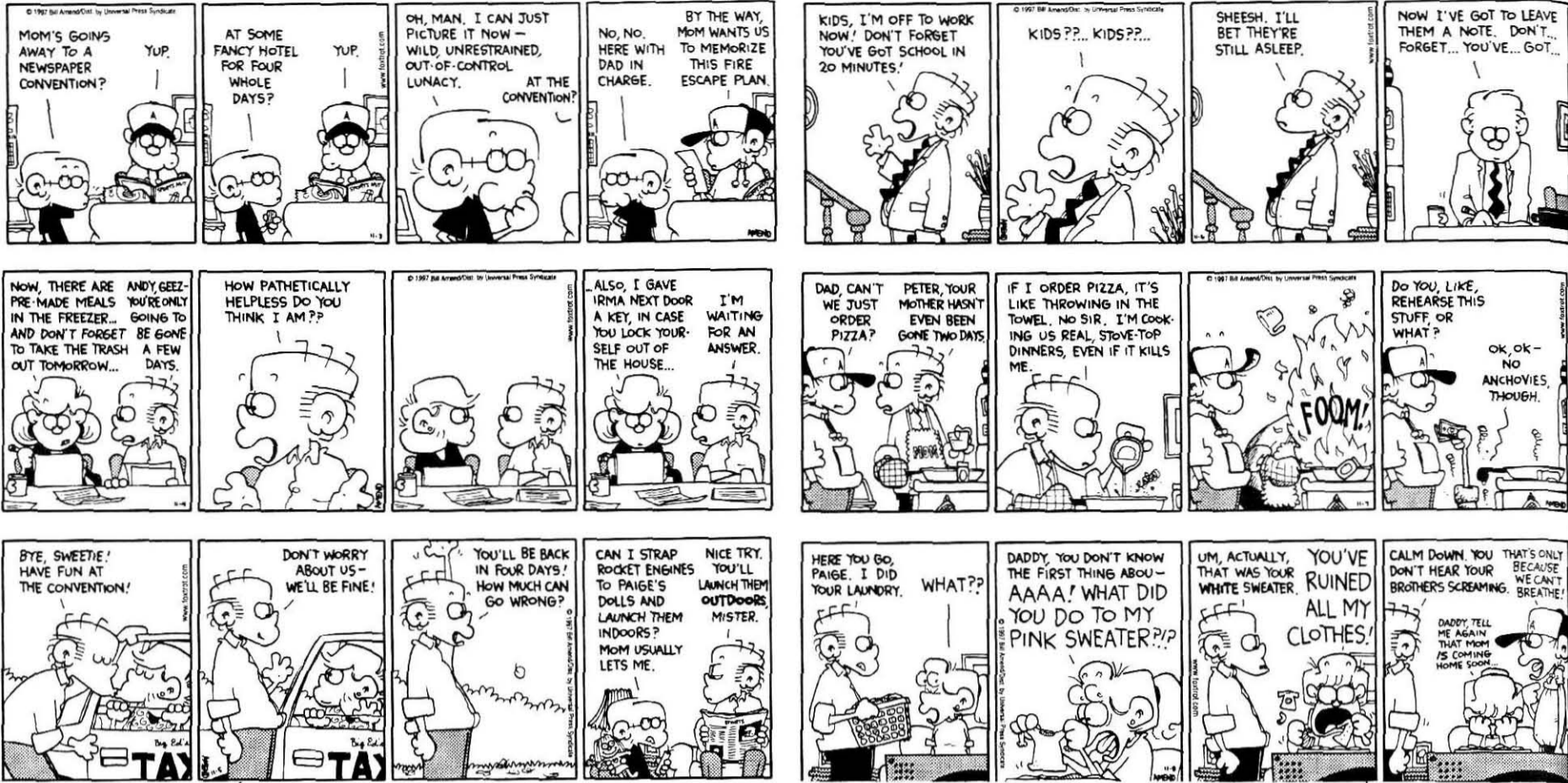
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当日は、サイエンスおよびエンジニアリングのバックグラウンドを持つコンサルタントがプレゼンテーションを行い、その後テクノロジーの分野で日本企業が直面している課題や世界の動向などについて、皆さまと活発な意見交換をさせていただく予定です。また、マネジメント・コンサルティングの内容、クライアントに提供しているバリュー、コンサルタントのキャリアなどについても併せてご紹介できればと考えています。

詳しい日程・場所などについてはマッキンゼーのホームページ、「What's New」にて10月中旬にご案内致します(上記以外の懇談会に関する情報も掲載されます)。また、東京支社渡辺までコレクトコールまたはe-mailにてご連絡いただければ、詳しくご案内申し上げます。皆さまのご参加を心よりお待ちしております。

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FEATURES

CONTINUED FROM PAGE 7

the vertical plane, zooming by the Eagle's Nest — I've always wondered what went on there, sounding as ominous as Berchtesgaden where Hitler had his aerie; the California Aqueduct, pursuing its lascivious intertwining course with the Highway.

Lengthening shadows, with backlit light mists hiding the hills till one turns towards the coast just before Livermore, passing through crowds of huge wind mills, most of them stoically resisting the wind but a few flailing their arms about, probably completely ineffectual. I doubt if any of them feed energy into the grid.

It was a very nostalgic trip, where I somehow realized that one could get emotional recharge from even apparently dull things.

How often have I heard moans about the dull flat monotonous straight road, with its overpowering smell of onion, punctuated by whiffs of manure and puffs of diesel oil. And yet here I was on the very selfsame road, heading for what I expected to be a difficult visit, worried about all kinds of problems, and yet the road showed itself to me in all its variety, its warm yet functional simplicity.

I had always looked forward to the swallows and their mud nests stuck to the overpasses. Now the overpasses had

been rebuilt, made of steel beams painted green, and the swallows were gone.. and yet my heart was swooping like a swallow and I relearned that there is pleasure and peace in all of the things around us, and that one can "stop" and smell the flowers, even at 70 mph.

Try it today, try it everyday. There may even be some in homework and midterms, which I hope for you, went well

A bientôt,

Jean Paul Revel



by Karen Bletzer

This Friday at 8 p.m. the Caltech Jazz quartet, Double Double, will be presenting their cool musical stylings at the Red Door CafeUs Jazz Night. The event, co-sponsored by GSC, ASCIT, and the Caltech Y, is intended primarily as a way to let undergraduate and graduate students relax, hang out with friends, and enjoy great music.

The event is free and is open to the entire Caltech community.

A couple of outdoor adventures are in the works. If you are interested in camping, grilling steaks, and doing some hiking in the Idlewild area on the weekend of November 15, e-mail Brett Tolman, brett@cco. If a low-key day hike suits you more, you can lace up your hiking boots on November 22 and take a short hike to a local waterfall. E-mail Jennifer Caron, caron@cco, if you have any questions.

Broomball will be occurring on the night of November 22. Get your brooms and your teams ready; sign-ups will be out this week. Also upcoming this week is a reading of a play by Professor Howard Mandel on November 15. Look for more details later.



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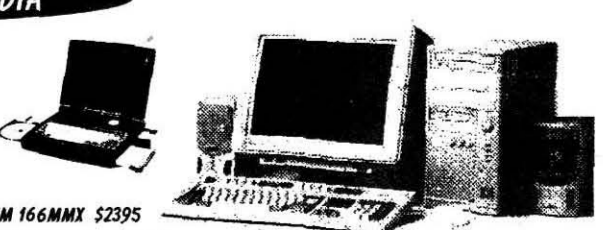
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Announcements

Caltech is sponsoring a two-day **blood drive and bone marrow donor program** which will be held in the Winnett Student Lounge on Wednesday, November 12, 1997 between 10:15 a.m. and 3:30 p.m., and on Thursday, November 13, 1997 between 12:15 p.m. and 5:30 p.m. Please contact Vilia Zmuidzinas via e-mail at hredvez@hr.caltech.edu or at x6001 for an appointment. Walk-ins are also welcome.

* A report on a 4-year review conducted on the **Caltech Women's Center** will be presented to the Faculty Board at their next meeting. 6 or so additional persons may attend, along with the Women's Center representatives. Anyone interested in participating should contact Kathleen, either through a note, or at x3221 before the end of today.

The Gay/Lesbian/Bisexual Discussion Group meets on the first and third Tuesdays of each month from 7:30 pm until 10 pm in the Health Center lounge. This is a confidential meeting and does not imply anything about a person's sexual orientation—only that s/he 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 will be served. If you would like more information, please call x8331.

The **Coffeehouse** is looking for waiters. We are open M-F from 9 pm to 2 am and Sat/Sun from 8 pm to 2 am. No work/study required. Please contact Gina Armas by e-mail to apply, gina@cco.

Sparrowgrass Poetry Forum, Inc. is offering a grand prize of \$500 in its new **poetry contest**. The contest is free and open to everyone, one poem per poet. Deadline is November 30, 1997. Send entries to Sparrowgrass Poetry Forum, Dept. LM, 609 Main St., P.O. Box 193, Sistersville, WV, 26175. Poets may also submit poems electronically at <http://www.tinplace.com/sparrow> or by e-mail, Sistersv@aol.com.

* Beginning November 12, and continuing every Wednesday into December, the **Caltech Ballroom Dance Club** will be offering free beginner Cha-cha classes, taught by Derrik Bass. Additionally, on Thursdays, the Argentine Tango will be taught by a professional instructor. Cost for the tango class is \$20 for four sessions (\$16 for undergrads). Refreshments and open dance time will follow each session. For more information, see the posters, and the web page: <http://www.caltech.edu/~ballroom>.

Events

* The next "When I was a TECher" program will be held Thursday, November 13th. This series invites Caltech alumni to present their unique experiences while a student at Caltech. Please join our presenter, Dr. Nathan S. Lewis, Professor of Chemistry, for dinner in Avery House at 6 p.m. and a fire-side chat at 7:15 p.m. in the Avery House Library. For additional information, please contact Sue Friedman sfriedman@starbase1.caltech.edu.

The **Distinguished Speaker Series** of Southern California is moving into its second season. The events will be held at the Pasadena Civic Auditorium on eight different dates, at 8 p.m.: Tommy Lasorda will be speaking on December 11th, Colin Powell on January 21st, 1998, Dominick Dunne on February 26th, Elizabeth Dole on March 12th, Jean-Michael Cousteau on April 8th, and Maya Angelou on May 13th and June 10th. For more information, contact (800) 508-9301.

* Sandy Mortimer explores "Egypt: of Pharaohs and Fables" on Friday, November 14,

Mints

* denotes a new announcement.

at 8 p.m. in Beckman Auditorium. This Armchair Adventures travel film showcases both the historical aspects of Egypt, and glimpses into life in the modern cities.

* Actors from Theater West will present a dramatic reading of Oscar Mandel's four-act play "Water from an Italian Pump" on Saturday, November 15, at 8 p.m. in Caltech's Avery House. Mandel has written numerous dramas, essays, fictions, and works of poetry, and is currently professor of literature at Caltech. This event is open to the public, free of charge.

* On Saturday, November 15, at 8 p.m., the **Caltech-Occidental Concert Band** will perform, in Beckman Auditorium. 3-D pictures of Mars will be shown during a performance of Gustav Holst's "Mars" from the suite The Planets. In addition, the program will include music by George Gershwin and excerpts from the musical Ragtime. This event is open to the public, free of charge.

* The gospel music of **The Blind Boys of Alabama**, featuring Clarence Fountain, is being performed on Saturday, November 8, at 8:00 p.m. in Beckman Auditorium. Tickets range from \$23-\$25, with \$5 tickets for Caltech students.

* Viennese violinist **Elisabeth Weiss** will perform a recital of music by Beethoven, Brahms, Ravel and Rubinstein on Wednesday, November 12, at 7:30 p.m. in Ramo Auditorium. The concert is free and open to the public.

* "The Co-Production of Science and Literature in Mid-Victorian Periodicals," a Caltech-Huntington Interdisciplinary Seminar in British Studies, will be presented by Dr. Paul White from Cambridge University, on Wednesday November 12th at 4:00 p.m. in the Judy Library in Baxter. For more information, call x4087.

For most Caltech events listed, further information can be obtained by calling 395-4652, or (888) 2-CALTECH, or by accessing the Caltech website.

Fellowships and Scholarships

The **Howard Hughes Predoctoral Fellowships** in Biological Sciences, for seniors and first year graduate students, have a November 12th application deadline. Complete applications and instructions can be found on the web at <http://fellowships.nas.edu>.

Graduating seniors with at least a 3.6 GPA should consider applying for the **Churchill Fellowships** which provide a year of graduate study at Churchill College, Cambridge University. Students are able to earn a degree, certificate or diploma during their tenure at Cambridge. Applicants can come from any area of engineering, mathematics, physical, or natural sciences. The award covers tuition, fees and a living allowance. A travel grant is also available to cover airfare to England. Applicants must submit a two to four page essay. For more information, contact the Fellowships Office. Deadline is November 12, 1997.

The **John Gyles Education Fund** is offering financial assistance to students who are Canadian or U.S. Citizens. A minimum G.P.A. of 2.7 is required for eligibility. Criteria other than academic ability and financial need are considered in the selection process. Selected students will receive up to \$3,000. 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 Drive, Fredericton, New Brunswick, Canada E3B 5G4. The remaining filing date for mailing applications in 1997 is November 15.

Chateaubriand Fellowship Program, 1998-9, for graduate students in science and engineering, interested in working in French university. For more information, write the The Embassy of France, Office for Science and Technology, Chateaubriand Fellowship Program, 4101 Reservoir Road, NW, Washington, DC 20007-2176, or see their web page at <http://www.chateaubriand.amb-wash.fr>. Applications are due December 1, 1997.

The National Science Foundation (NSF), in conjunction with the National Institutes of Health (NIH) and the Agricultural Research Service (ARS), welcomes applications to the **1998 Summer Programs in Japan and Korea**. All qualified graduate students in science and engineering, including the biomedical, agricultural, and social sciences, are urged to apply. The postmark deadline for applications is December 1, 1997. For more information on the Summer Programs, including eligibility requirements, program descriptions, and application materials, access the NSF/Tokyo Homepage at <http://www.twics.com/~nsf/tokyo/summer98.html>.

The **Josephine de Kármán Fellowship Trust** is pleased to announce the availability of ten fellowships in the amount of \$7,000 for 1998-99. All studies must be carried out within the United States and expended within the United States. Fellowships are open to students entering their senior undergraduate year and graduate students entering the terminal year of a Ph.D. program in Fall 1998. For application information write to: Fellowship Committee, Attention: Judy McLain, Secretary, Josephine de Kármán Fellowship Trust, P.O. Box 3389, San Dimas, CA 91773, or visit the Financial Aid Office. Applications must be postmarked no later than January 31, 1998.

* Applications are now being accepted for the **1998-99 National Academy for Nuclear Training scholarships**. Scholarships are \$2500 each and will be awarded to eligible students majoring in nuclear engineering, power generation health physics, or chemical, electrical, or mechanical engineering with nuclear or power options. Applicants must be U.S. Citizens, have minimum 3.0 G.P.A.s, and be full-time sophomore, juniors, or seniors in 1998-99. Preference will be given to students demonstrating specific preparation for employment in the U.S. nuclear power industry. Scholarships are renewable. Applications and information are available in the Financial Aid Office. Applications must be postmarked by February 1, 1998.

The **American Society of Naval Engineers** is offering \$2,000 undergraduate scholarships and \$3,000 graduate scholarships for the academic year 1998-99 to students who are interested in naval engineering. Applicants must be U.S. Citizens, must demonstrate a genuine interest in a career in naval engineering, and must be applying for either their last year as an undergraduate or co-op undergraduate program, or one year of graduate study leading to a designated degree at an accredited college or university. The deadline to submit applications is February 15, 1998.

* The **Backpacker Outdoor Scholarship Program** is offering twenty-five \$1000 scholarships in three categories: Outdoor Leadership, Environmental Leadership, and Outdoor Writing. Students may apply for

more than one scholarship, but can only be awarded one. The scholarship is open to any full-time undergraduate student, any major, attending a four-year college. The student must maintain a 3.0 G.P.A. average or better and must be a junior or senior the year the scholarship is used. Copies of the application and application submission requirements are available in the Financial Aid Office. Entries must be postmarked by February 16, 1998.

Graduate Fellowship for Women and Minorities in the Physical Sciences, the National Physical Sciences Consortium offers awards to graduating seniors who are female or a member of a minority group for Ph.D. level study in Astronomy, Chemistry, Computer Science, Geology, Material Science, Mathematical Sciences, Physics and subdisciplines of these fields. E-mail npsc@nmsu.edu or call (800) 952-4118 to request an application which is provided in diskette format.

The **Asian/Pacific American Association for Advancement, Inc. (4A)** is accepting applications for their **4A San Francisco Bay Area Scholarship Program**. 4A will be selecting three recipients who will each receive a \$1,000 scholarship. Eligible students must be Asian/Pacific, U.S. Citizens or permanent residents, and must be enrolled full-time as undergraduate or graduate student.s Applicants will be evaluated based on their scholastic discipline, personal achievement, and community involvement. AT&T, Lucent Technologies, and NCR employees and their children are ineligible to apply. Applications are due April 15, 1998.

The **Sunkyong Group of Korea and LeaderShape Inc.** are sponsoring the "Global Leaders of Tomorrow" essay contest. Entrants must be undergraduate or graduate students at the time their entries are submitted. Essays may be written from one of four perspectives: Business, Government/Law, Science, or Media/Communications. Three winners will be selected in each of these four categories. First prize (1 per category) is \$2,500 plus a one week trip to Korea. Second prize (1 per category) is \$500 plus one week at a LeaderShape training program. Third prize (1 per category) is \$500. The deadline for entries is April 15, 1998.

The **ACIL Scholarship Alliance** is offering scholarships for students majoring in the physical sciences: physics, chemistry, engi-

neering, geology, biology, or environmental science. Awards are based on academic performance, career goals, leadership, and financial need, and are typically \$1,000-\$2,000. To apply you must be a junior or senior in undergraduate study, or a graduate student. Applications and all supporting documents are due April 15, 1998.

The **American Women's Club in Sweden** will be awarding a travel grant for study and research in Sweden. To qualify you must be a woman, age 18 or over and an American citizen. You must also be accepted for a period of study or research at a Swedish educational institution or agency and show evidence of financial need. The completed application and all supporting documents must be received by April 15, 1998.

The **Jewish Vocational Service** is accepting applications for scholarships from the **Jewish Community Scholarship Fund**. The scholarships are designed to provide financial assistance to Jewish students who are legal residents of Los Angeles County, attending college on a full-time basis. Applicants must have a 2.5 minimum G.P.A., must be a sophomore or higher by September 1997, and must be able to document significant financial need. The deadline for submission of completed applications is April 15, 1998.

The **American Electroplaters and Surface Finishers Society** is offering scholarships to undergraduate juniors and seniors and graduate students who are interested in careers in the electroplating and surface finishing industry. Undergraduates must be full-time and must be majoring in metallurgy, metallurgical engineering, materials science or engineering, chemistry, chemical engineering, or environmental engineering. Applications must be submitted by April 15, 1998.

The **Jewish Family and Children's Services** offers financial support for Jewish individuals and their families. Individuals may apply for up to \$5,000. Special scholarships are available for study in Israel. To be eligible, students must have financial need, have at least a 3.0 GPA, and be residents of San Francisco, the Peninsula, Marin or Sonoma counties, or the Bay Area. There are no deadlines—applications are accepted throughout the year and are available in the Financial Aid Office.

Note that on most of the fellowships listed above you can get help with your essays or clarification of questions from the Fellowships Office. For info, please contact Lauren Stolper at lauren_stolper@starbase1.caltech.edu. To make an appointment, call x2150.

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The Student/Faculty/Alumni Relations Committee of the Caltech Alumni Association is sponsoring a series of career planning activities that will continue throughout the academic year. The first event is a career panel discussion on Tuesday, November 18, beginning at 7:00 p.m. in Chandler Dining Hall. Panelists will discuss a variety of topics including:

- Alumni perspective on working in technical versus nontechnical industry; where will you be in five years?
- Is there a future in management consulting?
- Why are consulting firms interested in Caltech graduates?
- Is it possible to change career paths after entering the work force? Panel members include Michael W. Burnett PhD '80, Financial Consultant, Merrill Lynch & Company, Inc.; Stuart McMuldloch PhD '95, Science Coordinator, MISR Project, Jet Propulsion Laboratory; Finbar T. Sheehy PhD '93, Associate, McKinsey & Company, Inc.; and Pamela E. Wiedenbeck MS '74, Consultant, Debra Dison Hall '74, Partner, Corporate Department, Allen, Matkins, Leck, Gamble, and Mallory, will moderate the discussion. The SFAR Committee would like to know of other topics that might be of interest to students for future career panels. If you have any thoughts on what you would like to hear, contact Kerry Etheridge at ext. 6852 or kerry@alumni.caltech.edu. All students are welcome. Light refreshments will be served.

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