IHC Chair Reveals Roompick Procedure

by Chris Elion

As most of you know from first-hand experience, the off-campus roompick can be a pretty disastrous. This year, the IHC, Residence Life, and the Avery Council have worked together to come up with something better for everybody. The purpose of this article is to give you an idea of what to expect; official material from Housing and Residence Life will be coming out soon.

Sometime during spring break, Housing will distribute cards to all students. If you want to be guaranteed housing next year, then you must return your card to Residence Life. After this, you may choose either to enter your House’s roompick or to abstain. If you are currently living in Avery, you have the option of entering either your House’s roompick or the internal Avery lottery, (but not both), or you can abstain.

Once all students have indicated their preferences, everyone will be given an off-campus lottery number generated by a computer program. Avery will have its roompick at a predetermined time, and the Houses will then conduct their roompicks (whether these are before or after Avery’s lottery is at the discretion of the individual Houses). One third of the rooms in Avery will be available at this internal roompick, which only current Avery residents can enter (though nonresidents can be pulled in as roommates). Finally, Residence Life will conduct the general off-campus roompick, at which better rooms will be distributed.

Now you’re probably wondering, “Why would I want to abstain from my House’s roompick? What’s the point?”

Those who do not enter either their House pick or the Avery pick will receive a slightly better probability distribution for the off-campus pick. This is to give some advantage to students that REALLY don’t want to live

Future of stem cell research topic of 2000 Biology Forum

by Mohana Kumar

Imagine being able to grow an unlimited amount of tissue for transplantation in the laboratory. Imagine regrowing the limbs of amputee veterans. Imagine finding cures for heart disease, Parkinson’s disease, and Alzheimer’s disease.

Science fiction? Although such clinical applications are perhaps decades away, the recent emergence of stem cell technology is helping to transform medical fantasy into scientific reality.

Stem cell science and their biological and philosophical impact on humanity was the topic of the 2000 Biology Forum, held Thursday, February 24, in Beckman Auditorium. Sponsored by Caltech and co-sponsorship by the San Gabriel Newspaper Group and Huntington Memorial Hospital, the event focused on the stem cell research breakthroughs made during the last year.

Voted as the No. 1 Science Story of the Year by the journal Science, stem cell research revolves around the mechanisms organisms use to transform undifferentiated immature cells into specific types of tissues.

“There are two tales of cell development,” informs forum panelist and Caltech biologist Barbara Wold. “Cells regenerate in adults in response to injury, degenerative diseases and normal wear and tear of the body. Cells also regenerate when a fertilized egg becomes an embryo and then becomes a newborn.”

The latter example of human embryonic development greatly fascinates stem cell researchers. The zygote, a fertilized egg, is the parent cell of all biological tissue. “The cells in the zygote and later in the blastocyst are termed ‘totipotent’—that is, they give rise to all other kinds of cells in the body,” continues Wold. “Further development of the organism leads to multi-potential stem cells—parent cells from which only muscle tissue, or internal organs or neural tissue can develop.”

“A substantial biological challenge is to understand the regulation and execution of developmental decisions that lead from multipotential, undifferentiated precursor cells to their specialized differential products,” explains Wold. Wold is currently conducting research on multi-potential cells that give rise to muscle tissue.

According to Wold, stem cell research could provide pathways for gene therapies that could by-pass immune rejection of transplanted tissue: certain diseases could be cured by manipulating the stem cells from the ailng person. In such a case, the current problem of transplant donor availability would be eliminated. “There are some liabilities, however,” Wold cautions. “How do we prevent generating unwanted cell types? Could improper stem cell manipulation lead to tumors?” Wold also comments that therapies currently under development only endeavor to provide one important cell component of an organ. “We are a long way from building an organ in the lab. This is much more complex.”

A second panelist, Dr. Jeremy Brockes, a professor of biology at the University College London, suggests that the answer to many of these questions regarding how to generate specific cell types from stem cells can be found in studying the new. Brockes is specifically interested in
Another forum panelist, Caltech biologist and Howard Hughes Medical Institute Investigator David Anderson, is also very interested in the medical possibilities that stem cell research suggests. Anderson, the first to isolate mammalian neural stem cells, is primarily concerned with the mechanisms that control cellular diversity in the mammalian nervous system.

"Neural stem cell transplantation could have a profound impact on the treatment of many patients with neuro-degenerative diseases like Parkinson’s disease, Huntington’s disease, and Alzheimer’s disease," Anderson states. "However, there are issues involved with neural stem cell transplantation, including the complexity in determining the type of stem cell to be transplanted, the source of these cells, and their quality. How does one isolate these cells from the rest of the brain tissue?"

Anderson also comments that there are many ethical questions surrounding neural stem cell research. "Where do you get neural stem cells that can be used in a scientific investigation? A primary source is from fetal tissue, which is only available in limited amounts. This raises the ethical question of whether scientists can grow embryos purely for this type of research."

Alexander Capron, the final forum panelist, agrees. Capron, the Henry W. Bruce Professor of Law and the University of Southern California, was also a member of the National Bioethics Committee that specifically reviewed the issue of stem cell research.

"The source of the stem cells used for government funded scientific research is controversial," remarks Capron. "In 1974, the government imposed strict rules regarding research using fetal tissue. Clinton has lifted the moratorium on fetal tissue research; however, controversy still surrounds the use of embryos in research."

"Currently, the government will not fund research in which an embryo is created or destroyed," Capron continues. "However, scientists can use embryos in which the method of creation is acceptable, like spontaneous or induced aborted fetuses, provided that the scientists have the consent of the party donating the fetus and that this party’s decision to donate the fetus was separate from research purposes."

Regardless of government restrictions on stem cell research, the forum moderator Robert Lee Holtz comments that the prospects of such research is "dazzling. The medical applications of stem cell research are merely possibilities, not even probabilities," remarks Holtz. "However, if properly manipulated, stem cells are blank slates—they can form any type of cell."

Moreover, Holtz foresees that the advancement of stem cell technology will have a profound impact on society. "Stem cells will provide the cures that doctors and patients seek. They will be a source of wealth for venture capitalists interested in lucrative new medical breakthroughs. But we will also continue to pose ethical questions, especially to religious leaders, who might find such research morally disturbing."

---

**Deferring taxes with TIAA-CREF can be so rewarding, you’ll wonder why you didn’t do it sooner.**

One of the fastest ways to build a retirement nest egg is through tax-deferred Supplemental Retirement Annuitants (SRAs) from TIAA-CREF.

With funds automatically deducted from your paycheck, you can easily build income to supplement your pension and Social Security.

And your contributions to SRAs grow undiminished by taxes until you withdraw the funds. Add that to TIAA-CREF’s solid investment performance, bolstered by our commitment to keeping expenses low, and you have more money working for you.

So why wait? Let us help you build a comfortable retirement.

**INVEST AS LITTLE AS $25 A MONTH THROUGH A SIMPLIFIED PAYROLL PLAN.**

We think you will find it rewarding in the long run. (See Table 1 for retirement growth rates over 10 years.)

In this hypothetical example, setting aside $250 a month in a tax-deferred investment with an 8% rate of return on a 2% rate bracket shows better growth than the same amount put into a savings account.**
An open letter to supporters and opponents of civil same-sex marriages

This past Tuesday, Californians cast a historic vote in opposition to same-sex marriage.

This vote capped off months of campaigning and increasingly ill feelings on both sides of the issue. During the campaign, supporters of Proposition 22 insisted that restricting marriage to heterosexual couples did not constitute discrimination, and they maintained their opposition to overt discrimination against gays and did not constitute discrimination on both sides to the denial of existing rights.

We commend Proposition 22's supporters for so strongly vocalizing their opposition to same-sex marriage.

And yet... there are more than 1000 rights, responsibilities, and protections bestowed upon a heterosexual couple when their relationship is legally recognized in marriage.

In the wake of Proposition 22, the gay community is deeply concerned about preserving the civil rights we feel should be afforded all of us, as Americans and as human beings. We can understand and can respect the fact that the term marriage means many things to many people, and to some, marriage is a word that should be reserved for heterosexual unions.

But one must recognize that preserving the rights and responsibilities of raising a family to traditional opposite-sex couples is discriminatory.

Now that this vote is finally behind us, let us lay down our swords, and let us stop shouting and start listening.

We extend to you an open invitation to discuss what's really at the heart of this matter: what are the barriers to civil same-sex marriage, and why has a reasonable compromise been so elusive?

Perhaps we may all grow toward a common understanding, and we may even be able to identify some common goals. We will come with an open mind, ready to listen, as long as you do the same.

Let's set up a time, let's find a place, and let's invite everyone to come.

You know how to reach me, I'll be hoping to hear from you.

Yours truly, Aaron Metzner Caltech Students Pride Association Caltech LesBiGay Union

Considering the merits of admissions interviews

BY DANA SAADAH

Admissions interviews should be conducted as part of the undergraduate admissions process at Caltech. When a school includes an interview as part of an application, it makes a statement to its applicants that it cares somewhat about the way they present themselves.

Admittedly, most college interviews aren't useful. Questions and their responses are often canned and uncreative, and the interview itself usually amounts to very little in terms of a candidate's chances of being accepted. But it does require, if just for an hour or so, that an applicant discern how to construct his or her speech and conduct appearance to effectively convey ideas and goals.

Communication, whether in written or spoken form, is a fundamental part of research, the main focus of this institution. Applicants need not be great orators or novelists, but they must possess good communication skills in order for others to pay attention to their ideas and discoveries.

I was surprised when I enrolled here to find a writing test that needed to be taken only if a student (including English as their 1st language) did not earn at least a 660 on the SAT II Writing Test or a 3 on the AP English Composition Exam.

With the exception of international students, I was shocked that Caltech would accept such a huge discrepancy between verbal and math scores, which have rested comfortably in the high 700's. Caltech has already recognized this need for communication education at the collegiate level by instilling a Science Communication requirement as part of the core curriculum.

Why not carry this policy to their undergraduate applicants? It seems logical that an institution that values knowledge so highly would make sure that the students they bring in can make their ideas heard.
UPN airs innovative but immature “The Beat”

By Dave Grosh

The United Paramount Network believes that in providing today’s youth and twenty-some things with “hip” and “creative” new situational drama, they are doing as a service. They are wrong.

To illustrate, I present to you “The Beat,” a new police drama series scheduled to air in mid-March. The show treats us to a journey through the professional and private lives of two New York cops, Officer Mike (Derek Cecil) and Officer Zane (Mark Ruffalo). The camera and the “action” follow these two go-getters through the streets of New York City, as they save the city and their personal lives from a fate worse than death.

What fate would that be, you ask? It basically consists of a story line that’s larger than life, but including plot and coherent plot, and then flips off the features of many other successful shows. The Beat’s only redeeming quality is the poorly ful gaging urge it supplies. Oh wait. Warning: if you suffer from epilepsy, DO NOT watch this show. That goes for those of you with some taste in viewing material as well.

The action and plot are muddled underneath an extremely right-brained, man and editing crew, who use every opportunity for creative expression to rape our minds. Color shifts from standard “reality” palette to one that is “COPS-esque” enhanced. Flashback sequences intermingle with action and dialogue. I lost my focus after two minutes of flipping between emotional states. The poor wit comes in with interesting and varied conversation between the primary couple—like characters, Mike and Zane. Apparently, Zane is of the opinion that calling the dot over the “i” is a “little” funny or something. He is wrong, as is the rest of this show.

Whatever the producers’ impetus for creating this show, it is clear that they’ve made a monster. As President of UPN Tom Numan remarked, “We expect the viewing audience to be shocked and blown away by ‘The Beat’ as they were by... ‘Homicide.’” There are a few morals to this story: (1) Every thing UPN touches turns to evil, (2) shows that suck are lame, and (3) I think the new medication is making me a little fuzzy. What?

Not quite “The Whole Nine Yards”

By John Oh

A moral Bruce Willis, an in­
nocent Natasha Henstridge, a
convincing Rosanna Arquette, and a brave Mathew Perry — The Whole Nine Yards, released by Warner Bros., has many actors and actresses trying to break away from their stereotypical roles. They only achieve partial success.

Bruce Willis, a traditional ac­
tion hero with the “Die Hard” series under his belt, has the role of a hitman, like his character is The Jackal but with attempts at a sense of humor added. He plays Jimmy “The Tulip” Tudeski, a contract killer who ratted on a powerful Chicago mob boss in exchange for a lighter sentence.

Natasha Henstridge plays Jimmy’s wife, Cynthia, whose cold demeanor makes her a more fitting mob leader than Kevin Pollak, the mob boss’s son out to get revenge on Jimmy. Jimmy moves in next door to meek dentist Nicholas “Oz” Ozeransky, played by Mathew Perry, married to an absolutely ter­
ror (played by Rosanna Arquette) who wants to kill her husband for life insurance money.

All credit where it’s due: Bruce Willis is brilliant in his perfor­
mance as a contract killer with a strong sense of moral values. The execution of his lines are near perfect, and he flawlessly switches from gentle guy to, well, a little bit of a monster.

Another pleasant sur­
prise is the relative newcomer Amanda Peet, from WB’s “Jack and Jill,” who plays a hopeful contract killer disguised as a secre­tary. Peet and Willis have great chemistry, both playing off the fact that they kill people with wonderful nonchalance.

Rosanna Arquette also plays her role nicely, and cruels as her character is, her antics add a de­
gligul twirl to the movie. These three (Willis, Arquette, and Peet) seem to carry the movie. Much remains to be said about the oth­ers.

Mathew Perry is, well, Mathew Perry, and while he’s got the bewildered look and the short-sighted gits, he still acts as if he’s on the set of a sitcom, not a movie.

Natasha Henstridge fares far worse. At best, we see a half- hearted smile from her, and most of the time she plays a mobster better than the mobsters them­

selves. To put her performance in perspective, she fits her role as well as Denise Richards fits the role of a nuclear scientist in “The World is Not Enough.” When Perry and Henstridge have scenes together, it seems as if we’re watching an elementary school play. The horrible acting from these two almost ruins the brilliant acting of their co-stars, but the movie is still saved by a simple story that leaves a lot of room for comedy.

All in all, The Whole Nine Yards wasn’t a great movie, and it did have its painful awkward moments, but it starts with a good story, and Willis and Peet give an absolutely priceless per­formance. Rated: R

La Fiesta Grande serves to please

By Dana Sudova and Tasha Vanezian

La Fiesta Grande Mexican Grill & Cantina provides a fun atmosphere in which to eat great food at rea­sonable prices. Bright colors greet guests in the entrance to the restaurant, which is modeled after a hacienda courtyard. Paintings of bullfighting scenes surround the customers, including one painting of the owner “losing” his tackle with a bull.

The owners provide delightful live entertainment from 7pm into the night. In their friendly, laid-back atmosphere, they ser­enade the guests with Mexican folk songs. An average meal costs around ten dollars and is served in large helpings. Fresh chips and hot salsa are also im­mediately brought to the table. We sampled the La Fiesta Ap­petizer Platter, with heaps of “macho” nachos, quesadillas, and taquitos. We recommend you split it with three or four people.

A wide selection of alcoholic beverages is available (and there is a full bar in back); we tried a virgin strawberry margarita and a virgin pita cola, which were wonderfully fizzy and sweet.

For a main course, we chose their beef chimichanga and arroz con pollo. All meals are served with beans and rice, and these were exceptionally well-pre­pared. Everything was well-sea­soned and appropriately fried. The food was served hot, and guests are not rushed through dinner. At 6pm the restaurant was nearly empty, but be pre­pared for a full crowd to be de­veloping by six-thirty. We highly recommend La Fiesta Grande. Hasta luego!

Caltech sports in review

By Chris Hughes

Caltech Athlete of the Week

Paul Thienphrapa, Men’s Track and Field (Freshman/ Los Angeles, Calif.)

Freshman Paul Thienphrapa competed in five events at Saturday’s SCIAC Four-Way Meet at Pomona-Pitzer. He established personal bests in three of his four individual events: 100 meter dash (12.29), 200 meter dash (25.66) and long jump (18"5”). He also posted a season best in the triple jump (36’9”) as well as running the leadoff leg of Caltech’s 4x400 meter relay team.

Overall, Thienphrapa fin­ished fifth in the long jump and triple jump, eighth in the 100 meters and 11th in the 200 meters.

Last Week

Baseball (3-13, 0-12 SCIAC)

Head Coach: John D’Auria

Caltech swept last week­end by Claremont-Mudd­Scripps. Senior Greg Fricke hit safely in all three games, going a combined 5-for-11 (.455) with two runs scored and two RBIs. Second baseman David Miller also collected hits in all three contests (4-10, .400) with a pair of runs scored.

Women’s Track and Field (0-4, 0-4 SCIAC)

Head Coach: Julie Levesque

In the women’s four-way meet at Pomona-Pitzer, Amy Duello turned in one of her best performances of the sea­son with a second-place finish in the javelin with a personal best of 97’6”.

Serena Eiley finished sixth in the 100 meter dash, seventh at 200 meters and eighth at 800 meters. Her 200 meter (30.71) and 800 meter (2:42.74) times were season bests. Dana Ionita-Ariont also turned in a season-best time in the 200 meter dash (35.33).

Amy Kelly earned eighth place in the 3000 meter run and ninth at 1500 meters.

Upcoming Events

Track and Field: Saturday, March 11, at Ben Brown Invitational, hosted by CSU-Ful­lerton (Fullerton, Calif., 10 a.m.)

Men’s and Women’s Fencing: Saturday, March 11 NCAA Western Regionals (Brown Gym)
5

Sign off

Say goodnight, Dave
A final farewell from the ex-Tech editor

Sometimes I feel like a nut. I have good reason, too, for the past year, I was the sole Tech Editor, a title which carries with it much pain and hardship. I was warned, and I didn’t listen. People tried to wave me away, crying out that I wouldn’t be able to handle the stress on my GPA and my sanity.

Well, I’m still here. I’m glad to be done with the Tech, and very glad that there are others to take my place down there in the lovely Tech office on Thursday nights. Its a tough job, but somebody (Jon, John and Dana) has to do it. It was too much for one person, even someone with my superhuman layout skills. There is strength in numbers, and the new Tech editor will learn that lesson, hopefully sooner rather than later.

I had some success. Some may doubt the truth in that statement, but I can tell you that not many people have the chance to make such an impact on so many brilliant individuals. Yeah, I know most of you read only for the Dilbert. But there are some who laugh at the Deans wacky shenanigans, others who take interest in the World Outside of Caltech, and still others who treat it like some sort of normal newspaper.

Fun. My friends say it was crazy of me to get myself involved in so much work. But you know, deadlines, flaky writers, nonexistent layout staff and cranky copy editors... are... a lot of fun, if you think about it. Hmmm... that didn’t quite come out right. Its fun to play around with a weekly paper. Is something basically creative in this world of equations and science here.

I had hard times. I’m not going to lie about the hurt that accompanies any great undertaking. And, despite its seemingly limited importance, the Tech was something great. Sitting in the office, in the wee hours of the morning, with only half a newspaper to show for a week of work, I sometimes felt a little suicidal. Well, not actually, killing myself, but maybe fleeing from the deadlines and the pain. Choose not to do a paper one week. Doom the Tech by leaving my office as Tech Editor and regaining my Thursday nights.

But I made it, without too many screw-ups. And I don’t regret giving down there a year ago and signing up for Tech Editor. It wasn’t just because somebody had to do it. Someone would have done it, if it wasn’t me. But there’s a part of me that just couldn’t let go of the newspaper life I had in high school. I’ve had a chance now to face my inner newspaper-cutout-demons and crush them in my fist of journalistic prowess. I can let it go in peace.

I’m going to finish with the lessons I learned during my term as Tech Editor. Read and learn.

(1) Teams of one are not so hot... especially if you’re the one. I guess this is a corollary of the collaboration principle. Don’t work by yourself if you can help it, especially if its as much work as the Tech is.

(2) Even if the work is painful, find a way to make it fun. Sometimes this means working with others. It’ll take longer, but it’ll keep you sane.

(3) Don’t stress. Stress leads to anger, anger leads to hate, hate leads to... well, you know. Good luck, guys.

ATTENTION
UNDERGRADUATE AND GRADUATE STUDENTS WORLDWIDE
Pursue Job and Internship Opportunities that Span the Globe
CAMPUS CAREER CENTER
The world's largest campus job fair
Pursue Job and Internship Opportunities that Span the Globe
CAMPUS CAREER CENTER
The world's largest campus job fair

The California Tech
March 10, 2000

BOOKSTORE:
CONTINUED FROM PAGE 1
ite will be the inclusion of a children’s section, featuring things like the wide range of sci-
entific toys available at the bookstore, comparative pricing with other online textbook
resellers such as varsitybooks.com and amazon.com, and partnerships with other companies such as Office Depot and PPI to provide a fuller range of office supplies at
lower prices.

As a separate, although related project, Caltech Wired should also be unveiling a new
website soon, which will potentially be an extremely useful resource to students who wish
to purchase computer equipment.

Feedback in the form of comments on the web site and suggestions for the future can be
directed to Judy Capron (judy.capron@caltech.edu)
DILBERT®

by Scott Adams

THIS WILL BE YOUR CURSE.

IN SIX WEEKS OUR I.T. PEOPLE WILL CONNECT YOU TO THE NETWORK SO YOU CAN DO YOUR JOB.

I’LL STOP BY EVERY NINE MINUTES TO SEE WHAT YOU'RE DOING.

WE DON'T PAY ENOUGH TO HIRE BRILLIANT PEOPLE FOR OUR LITE TEAM.

I NEED LEBOT SAVANTS WHO DON'T KNOW THEY SHOULD HAV E BETTER JOBS.

I'LL EXPECT STOCK OPTIONS, OF COURSE. NEXT!!!

ONE OUT OF TEN RESEARCH AND DEVELOPMENT PROJECTS WILL SUCCEED.

I RECOMMEND CANCELLING THE OTHER NINE.

I WONDER WHERE HE GETS ALL THESE IDEAS.

CAN YOU TURN YOUR ONE-PAGE REPORT INTO A TWO-PAGE EXECUTIVE SUMMARY?

I WAS PLANNING TO SPEND THE DAY SNAPPING MYSELF WITH THE ELASTIC BAND ON MY UNDERWEAR.

BUT YOUR IDEA IS GOOD TOO.

THE EMPLOYEE APPRECIATION LUNCHEON WILL BE POTLUCK.

DROP OFF YOUR DINNER AT MY HOUSE ON YOUR WAY TO WORK.

I'VE BEEN ASKED TO QUANTIFY THE BENEFITS OF OUR KNOWLEDGE MANAGEMENT SYSTEMS.

I MEASURED OUR INTERNS’S HEAD TO SEE IF IT GOT BIGGER.

THE HIGHER DRAG COEFFICIENT MEANS WE LOST A LITTLE IN THE SANDWICH-PICKING DEPARTMENT.

ON THIS WORKS, I’LL NEVER BUY GROCERIES AGAIN.

I WAS PLANNING TO SPEND THE DAY SNAPPING MYSELF WITH THE ELASTIC BAND ON MY UNDERWEAR.

THE NUCLEAR CRUISE MISSILE LOCKS ON TO ITS TARGET.

THE NUCLEAR CRUISE MISSILE STREAMS DOWN THE STREET.

JASON, I TOLD YOU WHAT WOULD HAPPEN IF YOU TRIGGERED A NUCLEAR MISSILE.

I ALWAYS UNDERESTIMATE THE STRENGTH OF CONSERVATIVE IDEAS.

COLORADO

1550 E. Colorado Blvd. (626) 796-0704

IMMEDIATE OPENINGS!

Students earn $375/557 weekly processing/assembling medical I.D. cards from your home. Experience unnecessary...we train you! Call MediCard 1-541-386-5290, ext. 300.

Laemmle Theatres

PLAYHOUSE

7

673 E. Colorado Blvd.

(626) 844-6500

PASADENA’S ONLY STADIUM SEATING THEATRE

New Delhi Palace

Restaurant of the Year

Cuisine of India

1994 to 1998

Simply Great Food

Voted Best Indian Restaurant 1998
Specializing in Northern Indian Food

Lunch Buffet

Monday-Friday

$5.95

All You Can Eat

Take Out & CATERING

Thaipone Brunch

Sat. & Sun.

$6.95

Mandarin Cuisine & Seafood

Cocktail Lounge

Lunch Specials 12PM - 3 p.m.

Early Bird Specials 5PM - 7 PM

Classic Dinners 7:30 p.m.

Food To Go Welcome

OPEN 7 DAYS

Tel: 449-8018

2475 E. Colorado • Pasana

Drive Thru: 5/40 Blvd. & Atlantis

Free Parking In Rear
Of Deans and Daihatsus

Dean's Corner

Pleasure Driving

by Jean-Paul Revel

Among the most exhilarating of sensations that are enjoyed by young and old alike is that of speed, the fantastical rush in the scenery flashes by, the feeling of control over what would a priori seem to be a headlong—maybe headless—dash. Down the slope dance the skiers, gracefully choosing their way through moguls, steep pitches and narrow chutes. The same excitement can be had on a speed boat, bottom sliding the waves and the spray of water (I taste the salt as I write this) coming over the windshield. It can be had from riding go-carts, and from speeding trains, although the full effect is only felt if one participates, and riding the train does not quite cut it. The same is true of the fastest transportation most of us experience, the airplane. There too, one is passive and the sensation of speed is pretty much lost, as the scenery is so far below that it passes under the wings at a deliberate and seemingly sedate pace. Of course, in an aisle seat (recommended by safety ex-

insight business analyst 2000

A Three-Day Insider's Look into Management Consulting for College Juniors

McKinsey & Company, a management consulting firm with over 5,500 consultants in 80 offices in 42 countries, invites you to gain insight into the world of management consulting. This comprehensive seminar, designed exclusively for college juniors, will cover a range of topics important to those who are exploring career opportunities in management consulting. The agenda will include:

- An introduction to consulting via case exercises
- Team-based problem solving exercises
- An interview workshop
- Recreational, team-building activities

Applicants should be expecting to finish their undergraduate degree in 2001. No business experience is required.

All applications must be received by March 13. Applicants will be notified by mid-April.

For more information and an application, visit our web site at http://www.mckinsey.com/insightba or pick up a brochure from your career services office.

http://www.mckinsey.com/insightba

March 10, 2000

http://www.mckinsey.com/insightba

Locations are yet to be determined. All expenses will be paid.

McKinsey & Company, a management consulting firm with over 5,500 consultants in 80 offices in 42 countries, invites you to gain insight into the world of management consulting. This comprehensive seminar, designed exclusively for college juniors, will cover a range of topics important to those who are exploring career opportunities in management consulting. The agenda will include:

- An introduction to consulting via case exercises
- Team-based problem solving exercises
- An interview workshop
- Recreational, team-building activities

Applicants should be expecting to finish their undergraduate degree in 2001. No business experience is required.

All applications must be received by March 13. Applicants will be notified by mid-April.

For more information and an application, visit our web site at http://www.mckinsey.com/insightba or pick up a brochure from your career services office.

Locations are yet to be determined. All expenses will be paid.

Of Deans and Daihatsus

Dean's Corner

Pleasure Driving

by Jean-Paul Revel

Among the most exhilarating of sensations that are enjoyed by young and old alike is that of speed, the fantastical rush in the scenery flashes by, the feeling of control over what would a priori seem to be a headlong—maybe headless—dash. Down the slope dance the skiers, gracefully choosing their way through moguls, steep pitches and narrow chutes. The same excitement can be had on a speed boat, bottom sliding the waves and the spray of water (I taste the salt as I write this) coming over the windshield. It can be had from riding go-carts, and from speeding trains, although the full effect is only felt if one participates, and riding the train does not quite cut it. The same is true of the fastest transportation most of us experience, the airplane. There too, one is passive and the sensation of speed is pretty much lost, as the scenery is so far below that it passes under the wings at a deliberate and seemingly sedate pace. Of course, in an aisle seat (recommended by safety ex-

A Three-Day Insider's Look into Management Consulting for College Juniors

McKinsey & Company, a management consulting firm with over 5,500 consultants in 80 offices in 42 countries, invites you to gain insight into the world of management consulting. This comprehensive seminar, designed exclusively for college juniors, will cover a range of topics important to those who are exploring career opportunities in management consulting. The agenda will include:

- An introduction to consulting via case exercises
- Team-based problem solving exercises
- An interview workshop
- Recreational, team-building activities

Applicants should be expecting to finish their undergraduate degree in 2001. No business experience is required.

All applications must be received by March 13. Applicants will be notified by mid-April.

For more information and an application, visit our web site at http://www.mckinsey.com/insightba or pick up a brochure from your career services office.

Locations are yet to be determined. All expenses will be paid.

Of Deans and Daihatsus

Dean's Corner

Pleasure Driving

by Jean-Paul Revel

Among the most exhilarating of sensations that are enjoyed by young and old alike is that of speed, the fantastical rush in the scenery flashes by, the feeling of control over what would a priori seem to be a headlong—maybe headless—dash. Down the slope dance the skiers, gracefully choosing their way through moguls, steep pitches and narrow chutes. The same excitement can be had on a speed boat, bottom sliding the waves and the spray of water (I taste the salt as I write this) coming over the windshield. It can be had from riding go-carts, and from speeding trains, although the full effect is only felt if one participates, and riding the train does not quite cut it. The same is true of the fastest transportation most of us experience, the airplane. There too, one is passive and the sensation of speed is pretty much lost, as the scenery is so far below that it passes under the wings at a deliberate and seemingly sedate pace. Of course, in an aisle seat (recommended by safety ex-
March 10, 2000

8 Mints Scholarship

The Talbots Women's Scholarship Foundation will award five $10,000 and fifty $1,000 scholarships for undergraduate women in the fall of 2000. Applicants must be full-time undergraduate students in the United States who plan to return to an accredited four-year college or university to complete part-time or full-time to complete an undergraduate bachelor's degree. Eligible applicants include American female freshmen entering college or continuing students, who are the legal and permanent residents of Los Angeles County. Applicants must be full-time at an accredited college or university at the juncture of the spring 2000 semester and the fall semester 1999. For further information and application materials, you may contact Elizabeth Turner, Program Manager at 507-931-0439. Only the first 1,000 applications received will be considered for an award. Entries must be postmarked by March 6, 2000.

The Association of Desk and Derrick Clubs, through the Desk and Derrick Educational Trust, is accepting applications for summer residence, agriculture, 01 academic year. Applicants must be Canadian or U.S. citizens, completed at least two years of undergraduate work, have a 3.0 or higher GPA, demonstrate financial need, and plan to pursue a career in the petroleum or allied industry. Awards in the amount of $1,000 annually will be made to full-time students. Part-time students qualify (400 annually). Applications are available in the Financial Aid Office. For further information, you may contact Donna Fernandez, Desk and Derrick Clubs, 4852 S. Sheridan, Suite #308A, Tulsa, OK 74145 or email at dfernandez@tdal.com. Entries must be submitted by April 1, 2000.

The American Meteorological Society is offering interest-free student loans to qualified individuals for tuition, books and supplies, and living expenses. Applicants must have completed a minimum of one college year and have a 3.0 GPA or above. For further information, please contact the American Meteorological Society, 1470 King St., Alexandria, VA 22314. Entries must be submitted by April 1, 2000.

The American Psychological Society is offering prizes in American Psychological Association journals. The prizes are for undergraduate and graduate students. Application forms are available on the APA web site www.apa.org. The deadline for application is April 30, 2000. For further information, contact APA, 750 First Street, NE, Washington, DC 20002, telephone 202-336-5500, fax 202-336-5501.

The Danville-Alamo Branch of the American Association of University Women is offering scholarships ranging from $500 to $1,000 to female college students entering their junior or senior year for the 2000-01 academic year. Applications will be evaluated on the basis of scholarship, achievement, educational goals, financial need, and community or campus involvement. Female students must be residents of the San Ramon Valley (Danville, Alamo, San Ramon, Diablo, or Danville) or graduates of its high schools with a junior or senior standing as of September 2000. For more information and application package, please send your request to Mr. John M. Kennedy, 921 Yerba Buena Lane, Danville, CA 94506. Entries must be postmarked by April 30, 2000.

The Jewish Community Scholarship Fund announces the availability of over $400,000 in grants for the 2000-01 academic year. The funds are intended to provide a limited amount of financial assistance to Jewish students of high moral and ethical standing who are legal and permanent residents of Los Angeles County. Applicants must be full-time at an accredited college or university at the juncture of the spring 2000 semester. Recipients are also eligible to apply for loans from the Pelzner Undergraduate Student Loan and the Becker Graduate Student Loan Fund of the Jewish Free Loan Association. For further information, contact the JCLF at 310-472-3527. Entries must be submitted by April 15, 2000.

The P.L.A.T.O. Education Loan Program is designed to enable students to receive up to $15,000 in scholarships for college. Any student enrolled in an accredited two-year or four-year college or university is eligible to apply. Scholarships are merit-based and applicants must have a grade point average of 2.75 or higher (on a 4.0 scale). Winners will be chosen by the Student's Scholarship Foundation of America (CSSFA). Judging will be based on the student's educational merit and promising of the future. The awards will be announced August 2000. All information and application materials are available on the internet at www.platol.org. Application forms must be submitted online by April 30, 2000.

The John Gyles Education Fund is offering scholarship awards up to $6,000 and $2,000. Applicants must be Canadian or U.S. citizens, have a 2.75 GPA or above, and demonstrate financial need. Criteria other than strictly academic ability and financial need are considered in the selection process. To request an application, send self-addressed, stamped envelope to: The John Gyles Education Fund, Att: The Secretary, P.O. Box 4908, 712 Riverbend Dr. Frederickton, News Brunswick, Canada E3B 5G1. Application materials in mailing order will be accepted on April 1, June 1, and November 15.

The Department of Defense hosts three student internship programs at the Lawrence Livermore National Laboratory. These include Internships in Terascale Simulation Technology (www.llnl.gov/siert/index.html), Accelerated Strategic Computing Initiative (ASCI) Program (www.llnl.gov/index.html), and Graduate Interns in Nuclear Weapons (www.eedlab.llnl.gov). Housing and salary are at competitive rates. For more information, contact Terry Goldman, 925-422-5177, at goldman@llnl.gov.

To submit an event for the Mint, contact tech@lcs.caltech.edu or mail your announcement to Caltech 45-58 Atm. Mint Submissions should be brief and concise. Email is preferred. The editors reserve the right to edit for clarity and space. Deadline is noon Wednesday. Unless specified, all mints will run for two weeks.

The California Tech