

The California Tech

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FEBRUARY 25, 2000

RECORD LEVEL OF CHEATING AT COLLEGES

BY JOHN OH

Two weeks ago, Dartmouth University, one of the nation's top universities, was shocked by allegation of massive cheating. Between Feb. 2 and Feb. 3, as many as forty students in the university's Computer Science 4 class may have accessed solutions to an assignment that was due a week later.

In light of this incident, concern about academic dishonesty has recently gained momentum. The Dartmouth scandal is one of the largest reported cases of cheating; no college reported break in integrity of nearly a large magnitude. However, surveys run in the fall show that academic dishonesty is at an all time high, and has been on the rise since the 1960s. Who's Who Among American High School Students reported that 80% of America's top high school seniors admitted to cheating. An amazing 68% of college student admitted to serious cheating in the anonymous survey. In schools that emphasize academic integrity, the rate was lower by 10%, and in schools with a formal honor system like Caltech's own honor code, the rate was even lower.

The results surprised many administrators at various colleges, but some universities have been aware of the issue for quite a while. At University of California, Davis, academic integrity is emphasized frequently and widely. Various programs are carried out by students and faculty to discourage cheating, including the reporting of cheating every week in the school's newspaper.

The fall survey, run by Donald L. McCabe, one of the nation's top experts in academic integrity, showed many disconcerting results, including:

* Cheating is at or near record levels in schools nationwide.

Ahmed Zewail, Caltech's most

PLEASE SEE HONOR CODE ON PAGE 5

New applicant pool strong, large

Despite boost in interest, admissions committee aims for a class of 215-220 students

BY DANA SADAVA

Favorable rankings from *US News and World Report* may have boosted interest in Caltech, but its admissions policies have not been sacrificed.

Head of Admissions Charlene Liebau said that, when analyzing an applicant pool, "the committee considers all influencing variables in order to make a thoughtful and careful decision," but that its standards and objectives are not likely to change.

The rate of early acceptance decreased last fall.

Caltech received 726 applications for its Early Action program, which admits particularly interested students months ahead of time without binding them to enrollment. This number shows an increase of 62% over last year.

However, only 112 of these ap-

plicants were admitted, which is approximately as many as were admitted early last year.

Growth in the applicant pool may be attributed in part to the institute's ranking as the best college in the country, but such growth is a nationwide trend. High school graduation rates have increased significantly in the past few

years, and consequently universities of every rank have more applications to read.

In January, the admissions office received 3,501 applications for Regular Action.

In the coming weeks, the admissions committee will need to decide how to react to Caltech's increasing popularity. As in previous years, the committee,

whose policies are determined by faculty, will try to field a class of 215 to 220 students.

One important issue facing the committee is whether more students will matriculate this year or whether they simply apply be-

NUMBER OF APPLICANTS TO CALTECH

Early Action.....	726
last year.....	448
Regular Action.....	3,501
last year.....	3,000

cause Caltech is more recognized.

According to Liebau, this year's applicants are "very strong, and show a true interest in math and science."

However, the most competitive applicants are more likely not to matriculate simply because they have more choices of where to enroll.

Terry Cole honored as SURF kicks off 21st season at Athenaeum

BY TECH STAFF

The 2000 SURF season officially began last week at an Athenaeum dinner for the SURF Board and prospective donors.

Carolyn Merkel, Director of Student Faculty Programs, dedicated this year's research summer to the late Terry Cole, one of the originators of SURF and longtime JPL liaison.

A poignant letter from a former, non-Caltech SURFer described his last experience and lasting memory of Terry, who drove the student up to Mt. Wilson on a field trip. As the student remembered, Terry Cole, the senior researcher at perhaps the world's foremost astronomical laboratory, expressed the same unabashed wonder at the telescope and the exhilarating view as the most junior students. It is this spirit of enthusiasm and citizenship that the SURF program celebrates in Terry's memory this year.

recent Nobel Laureate, gave the keynote speech after a viewing of the video of Zewail's Prize presentation.

In the most amusing moment of the night, Zewail recounted some of the cultural barriers he had to overcome when immigrating to the United States from Egypt as a graduate student. As Zewail explained, in Egypt adolescent boys play together and jokingly tease each other with a phrase that, when literally translated into English, says "I will kill you."

Early in his graduate life, Zewail was befriended by a fellow University of Pennsylvania student, and one night they were out with some friends eating in a late night diner. They were having such a good time that Zewail turned to his friend, slapped him on the back and, his eyes sparkling, told his friend "I will kill you!"

The audience roared and SURF followed Terry Cole's memory across a bridge into the twenty-first century.

Merkel awarded grant to study undergrad research

BY ERIK DILL

Carolyn Merkel, Director of Student Faculty Programs, was recently awarded a grant by the Association of American Universities (AAU) to explore undergraduate research.

Formed in 1900 to promote "a strong system of academic research and education" the AAU consists of 62 prestigious research universities. Merkel was given the opportunity to study undergraduate research programs at 6 AAU member schools after the Boyer Commission on Educating Undergraduates in Research

Universities released a scathing report stating that research universities woefully under-utilize their resources in educating undergraduates.

According to the Boyer Commission, "...the research universities have too often failed, and continue to fail, their undergraduate populations. Thousands of students graduate without ever seeing the world-famous professors or tasting genuine research."

Merkel found this viewpoint surprising, not just because of her experience with undergraduates at Caltech.

PLEASE SEE MERKEL ON PAGE 2

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MERKEL:

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When the National Science Foundation offered grants to universities to integrate research and education, Caltech's proposal, with SURF at the center, was rejected. In the NSF's view, undergraduate research was widely implemented, and not unique enough to justify a project grant. Clearly, the views of the Boyer Report and the NSF were conflicting, so Merkel thought it would be interesting to investigate the true status of undergraduate research.

At the promptings of Fred Shair, longtime SURF supporter, and Neal Pings, past President of the AAU, she submitted a proposal for a pilot project to investigate undergraduate research at a representative group of AAU institutions. Upon receiving the proposal, the AAU granted funding for Merkel's project.

Presidents of MIT, Rutgers, and the University of Illinois, Urbana/Champaign immediately volunteered their schools to participate in the study.

The University of Wash-

ington and Emory were added because they had characteristics unlike other schools in the sample. Caltech was an obvious choice to round out the set, Merkel being intimately acquainted with undergraduate research opportunities here. The major aim of the study is to characterize various aspects of undergraduate research.

Merkel has already discovered anecdotally that undergraduate research is perceived differently at different school and in different disciplines.

Merkel hopes to identify issues, questions, opportunities and barriers associated with the subject.

The study will also test the feasibility of a larger study at all 62 AAU member institutions. Merkel plans to gather information by talking to high-level administrators and the staff responsible for implementing research programs, as well as faculty and undergrads participating in research.

She hopes to add the views of professors and students not participating in research to discover the deterrents to undergraduate research.

Also, she wants to ascertain the affects of a research experience on peer relationships and the transition to graduate school.

Merkel will test-run her survey at UC Irvine, then move on to the six sample schools. Early third term, she hopes to lure Caltech undergrads to her discussion groups with AAU-funded cookies and pick their brains about the research experience here.

Hopefully, the project will stimulate the ongoing dialogue on undergraduate research and collect a network of people interested in exchanging ideas about incorporating research into undergraduate education. Then the Boyer Commission will have to find something else to complain about.

The Boyer Commission Report is available online: <http://notes.cc.sunysb.edu/Pres/boyer.nsf/>

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ASCIT and Y News

A.S.C.I.T. Minutes

FEBRUARY 21, 2000

Present: BoD minus Emma; Baldeep
Meeting called to order at 10:04 pm.
Eric begins the meeting by asking if the
BoD has heard any dinner announcements
about ASCIT appointed offices. As of the
meeting, there were only four people signed
up total for the six positions. Either word
has not gotten around or people are apathetic.
Probably a combination of both.
Gurt sticks his head in and confirms that
officer installation will be this Thursday at
the MOSH's. He asks if he has to attend
the meeting, we say that he is welcome but
not required, and he promptly leaves.
Eric asks Sean for an update on our financial
status. Sean has some information, but will gather more data and give us an
update on our finances at the next meeting.
Next on the agenda is the Budget Meeting.
The BoD is required by the bylaws to
pass out a survey to all ASCIT members to
help us decide what to fund. Meghan passes
out copies of old surveys as examples.
Laura recommends publicizing the budget
meeting as soon as possible. The BoD
agrees and will work on the survey, advertising
flyers, and a club questionnaire this
week. The club questionnaire is a form to
be filled out by all club leaders (assuming
that the club is active), which will report
information such as the purpose of the club,
number of members, number of activities,
and funding requested.
The BoD asks Baldeep about the proce-

dure of the budget meeting last year.
Baldeep says that the old BoD interviewed
clubs first, then decided the budget. Eric
proposes we decide the budget first, determining
how much we have to allocate to clubs, then interview clubs. This way,
when we decide the budget for clubs, we
will have a better idea of how much we
have.

Next, the BoD figures out how to contact
clubs. Martha-Helene begins wading
through a huge computer file from
Derek to find old club information. The
BoD decides to start an organized club
registry, starting with the data we will collect
from the Budget Meeting. Laura proposes
we should post flyers announcing
the Budget Meeting and the website address
to an online form where club leaders
can fill out their information online.

Baldeep informs us that new clubs must
submit a statement of purpose and a petition
of 10 signatures (including 5 ASCIT
members) of interested people in order to
receive funding from ASCIT. Eric sums
up the information we want to have on
the flyers: that the Budget Meeting will
be at the beginning of third term and that
all clubs must submit a proposal including
clubs that do not need funding but wish
to be recognized. Clubs must also specify
whether or not they are a new club, which
the BoD defines as a club not included in
last year's budget.

The BoD decides to assign the job of
organizing the new club registry to
Martha-Helene.

Eric and Jason will work on the club
questionnaire and will have them ready
by the next ASCIT meeting. Martha-
Helene will help in making the advertising
flyers for the Budget Meeting.

Chris gives us his IHC report. His meeting
with Chris Brennan will be tomorrow,
as announced in last week's meeting. The

topic will be freshman admissions. He
also announces that the food part of the
Housing survey has been tallied. You
can find all the interesting statistical data
on the webpage: <http://optimus.caltech.edu/survey>

Eric reminds everyone that the signups
for ASCIT appointed offices come down at 5:00 pm this Friday.

The question of how to get more
people to sign up comes up again. Jason
suggests using data from freshman
interest sheets to find out which students
have an interest in student government
or publications. Going through all this
data is too much work though, so the
BoD just decides to convince the people
we know to sign up.

Jason will email the BoD, the current
appointed officers, and the publications
people for their schedules in order to set
up the interview times.

Martha-Helene reports finding an
email list of club presidents, Budget
Meeting records and Budget Meeting
advertisements from last year.

Finally, the BoD discusses the annual
retreat at Capra Ranch, which is traditionally
during Spring Break. Melinda will find out when Capra is available.
The BoD decides to do the retreat before
the Budget Meeting and will decide
the date at the next meeting. The publications
staff will also be invited.

Eric reminds us that he's been getting
up early on Friday mornings to bring donuts
to the hard-working Caltech
undergrads. Don't let him wake up for
no reason. ASCIT Donuts are on Fridays at 8:00 am.

Meeting adjourns at 10:59 pm.

Respectfully submitted,

Jason C. Cardema

or to sign up. It should be noted
that this is the make-up for the
Getty Trip that was offered for
January 16.

Decompression:

Well... there now exists about
1.5 weeks of academic instruction
left in this term. One's initial
reaction to the previous statement
is most likely "dolt! urgggg... finals..." The reaction
of the Caltech Y ExComm is perhaps somewhat more intense
as the ExComm has to organize Decompression in addition to
taking the random, glorious finals. In the next week or so, volunteer
sign-ups for Decompression will be posted in the fine
Houses. Please help relieve
some of the burden from members of ExComm by signing up
as a volunteer.

General Info:

The Caltech Y holds weekly
meetings on Mondays at 12:15
PM in the Y Lounge behind
Steele House. We welcome anyone
who is interested in learning
about what the Y does or
who wants to get involved.
Bring your ideas, your friends,
and your lunch.

If you would like to get e-
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Opinion

What's the Problem: The Sexist Climate on Campus

BY SETH MILLER AND
KAISSA TAIPALE

Have you read your security bulletins lately? If you have, you know that first term there was a sexual assault outside Bridge on an undergrad woman who'd just handed in her physics homework. Just a few weeks ago there was an assault on a woman on the fifth floor of Millikan. And if you have much experience with the way things work in 'real life,' you know that not nearly all assaults are ever reported.

If you've spent more than a week on campus, you know what glomming is. If you've walked through most of the houses, you know that there's porn and crude sex jokes off the Internet up on many hallway walls. But it's a tech school, and it's mostly male, and boys will be boys, and people here don't all have a lot of social skills, and it's not like people actually are trying to be hurtful, or actually believe the stuff they put on their walls... So what's the big deal? Putting up pictures of breasts and attacking women are totally different, right?

Actually, both contribute to an atmosphere that makes many women uncomfortable. Even if those who put up porn have no

evil intent themselves, the fact that it is so widely displayed can give the impression that disrespect toward women is accepted. "Don't take it so seriously" is often the response that men give when people complain about 'small' issues like offensive wall decorations. But they are serious. Glomming makes everyday life difficult. Harassment by TAs and professors makes academic life difficult. Pornography in public places gives women the sneaking suspicion, around all the time, that they're not respected. And joking attacks on women hit a little too close to home to be comfortable.

In addition, if such small issues are trivialized, what will happen when larger issues are brought forth? Many times the same dismissive attitude is put forward. In the recent past, when one woman was being glommed, she was told by a person in authority that she was flirting with her harassers and should just accept it. This attitude gives rise to a culture of inaction among the undergraduate female population, as appeal to authority leads nowhere.

The problem goes beyond just glomming. A woman who had

been approached sexually by a TA decided to make an informal report about the incident. No one had filed an official complaint before, but when discussing the situation with some friends she found that this TA had made advances towards many undergraduates, both in his section and outside of it. Even though the name of this TA was becoming common knowledge among the women of Caltech, and the administration had been apprised of the situation, the TA was not removed. However, most of us don't need to read anecdotes to see that sexual harassment is a problem on campus.

Many men at Tech don't realize that they can be part of the problem of a hostile climate on campus, even without knowing it, and sometimes get defensive when this is pointed out. It is not true that men here are too smart to be sexist – sexism is a cultural problem, a problem that exists for everyone raised in the society we live in. To make things more difficult, women at Tech are often afraid or reluctant to speak up about things that make them uncomfortable, or even events that are unlawful, because this is such a small cam-

pus, and nothing can truly be done anonymously. The ratio of men to women and the resulting fragmentation of the female student body doesn't help – women often don't have a support system that would help them speak up and still keep a social life.

The administration does have a clear policy on sexual harassment. However, it does not seem to be very effective at preventing problems. Some women have found that pursuing the process of complaining formally is too stressful or too disruptive to be worth the results. The difficulty of staying anonymous on this campus is also a big deterrent to bringing formal complaints. And sometimes the Caltech administration seems more bent on protecting its image than protecting its students. After all, two years ago when there was an accident and a student got severely burned the administration went to extreme measures to avoid having such accidents again. However, after the first assault this year none of the freshman were told of the incident. Many of us only know of the second event because some RAs thought people might be interested. Why is this sort of important information not dis-

seminated to all students immediately?

Many people realize that there's a problem on this campus, and no one wants the climate at Caltech to be bad for women. What can be done? A few things to do are think about how your actions and words affect others in the community, try to see things from others' point of view, and try to make a point of speaking out when you see things that you feel are wrong. In addition to this, the Caltech Progressive Coalition is putting up an anonymous form on their website (<http://www.ugcs.caltech.edu/~progresss>), asking people who have experienced problems within the Caltech community to describe them. We'd like to collect preliminary data on the issue, with the aim of finding out exactly what the problems at Caltech are. Then we can begin to work to fix them.

Here are several websites related to the problems women face in academia today:

<http://www.its.caltech.edu/~wcenter/>
<http://www.nsf.gov/sbe/snsf99338/start.htm>
<http://scicentral.com/W02womi.html>

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april 16

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Sports and News

Techer takes down the boards

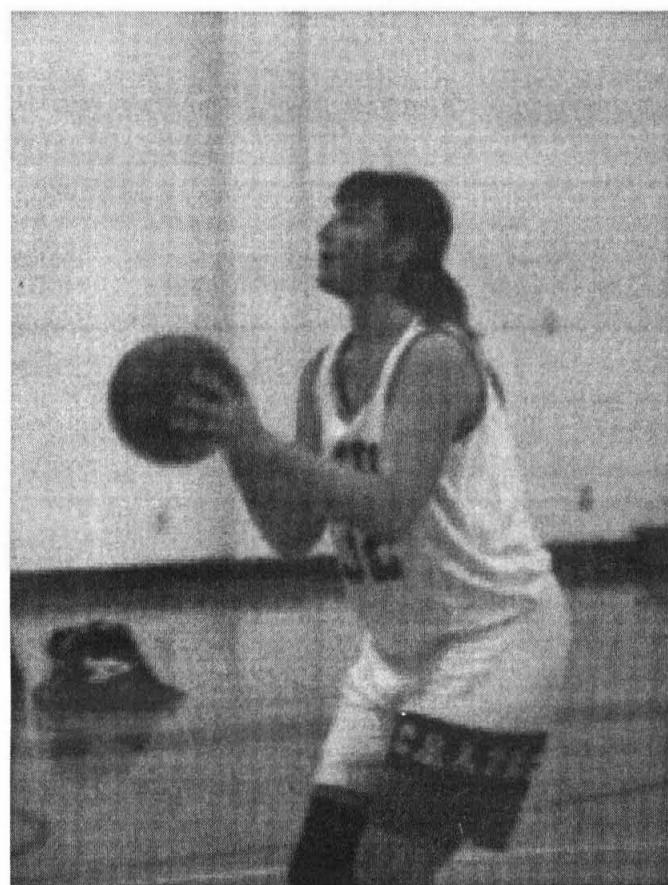
BY GRACE WILDANGER

At 6'3", Julia Salas, freshman, literally stands well above the rest of the Caltech women's basketball team. Ending this year ranked #3 in the entire NCAA for rebounding, and holding the season record for the most rebounds in one game, with 30 v. American Indian, she also towers above most of the NCAA. The two players ranked above Salas are a junior and a senior, so she has plenty of time to surpass their records.

"When I found out I was ranked in the NCAA, I was incredibly surprised and also very excited," says Salas about her ranking. Despite the interruptions caused by a concussion at the beginning of the season which forced her to the sidelines for a few games, a sprained ankle during the middle of the season, and an injury during the last two weeks of the season, Salas was able to

maintain an average of 15.5 rebounds per game. During one week in January, she was also ranked #1 in the NCAA for rebounding.

According to the women's basketball head coach Rachel Madsen, Salas had many other important contributions to the team beyond her rebounding ability. According to Madsen,



"Her size and strength helped make us feel a little more confident as a team. Other teams have to be intimidated by her, and that makes them take us a little more seriously than they might have done in the past." Madsen expects only bigger and better things from Salas in the future as she matures and gains experience.

Salas already has more experience than most Techers have when they begin playing sports at Caltech. She began playing basketball during high school when the high school coach took her under his wing, taught her to play, and inspired her to put time and effort into improving. She continued to play on the varsity team for four years. This year, Salas believes that "the enthusiasm of the captains helped us to become the cohesive team" which is necessary to play effectively.

HONOR CODE:

CONTINUED FROM PAGE 1

* 88% of faculty acknowledged having observed cheating, but only 32% said they did something about it.

* Students in journalism, communications, business, and engineering reported cheating more than students in other fields.

The survey also showed that schools with honor code systems have a better management of academic dishonesty. At UC Davis, 31% of students reported cheating, while schools with less emphasis on academic integrity reported at a rate of 54%.

McCabe places a main cause of cheating on first impressions. When new students arrive at a college without a strong atmosphere of academic integrity, and they observe upperclassmen cheating, they get the impression that cheating is acceptable. In institutions with a formal honor code, or a strong emphasis of academic honesty, cheating becomes a taboo that stays with incoming students until they graduate.

"Caltech's honor system is

the best model," says one undergrad. "People are generally honest, and the honor system gives people the benefit of the doubt. Where else will professors trust students to take the final on their own time at their own place and not cheat?"

Caltech's honor code is simple: "No member shall take unfair advantage of any member of the Caltech community." The Caltech honor system also incorporates a student-membered Board of Control. The Board of Control, members who are elected, enforce the honor code and administer punishment if necessary. "The fact that the Board of Control is made of students, and not faculty," said another Caltech student, "makes the honor code that much stronger. When you cheat, it's not just some unknown professor that's punishing you, it's your friends and classmates, and you realize that you really messed up."

The Board of Control reviews only a few cases every term, a testament to the success of Caltech's honor system.

**"Only my notes
can SAVE HIM
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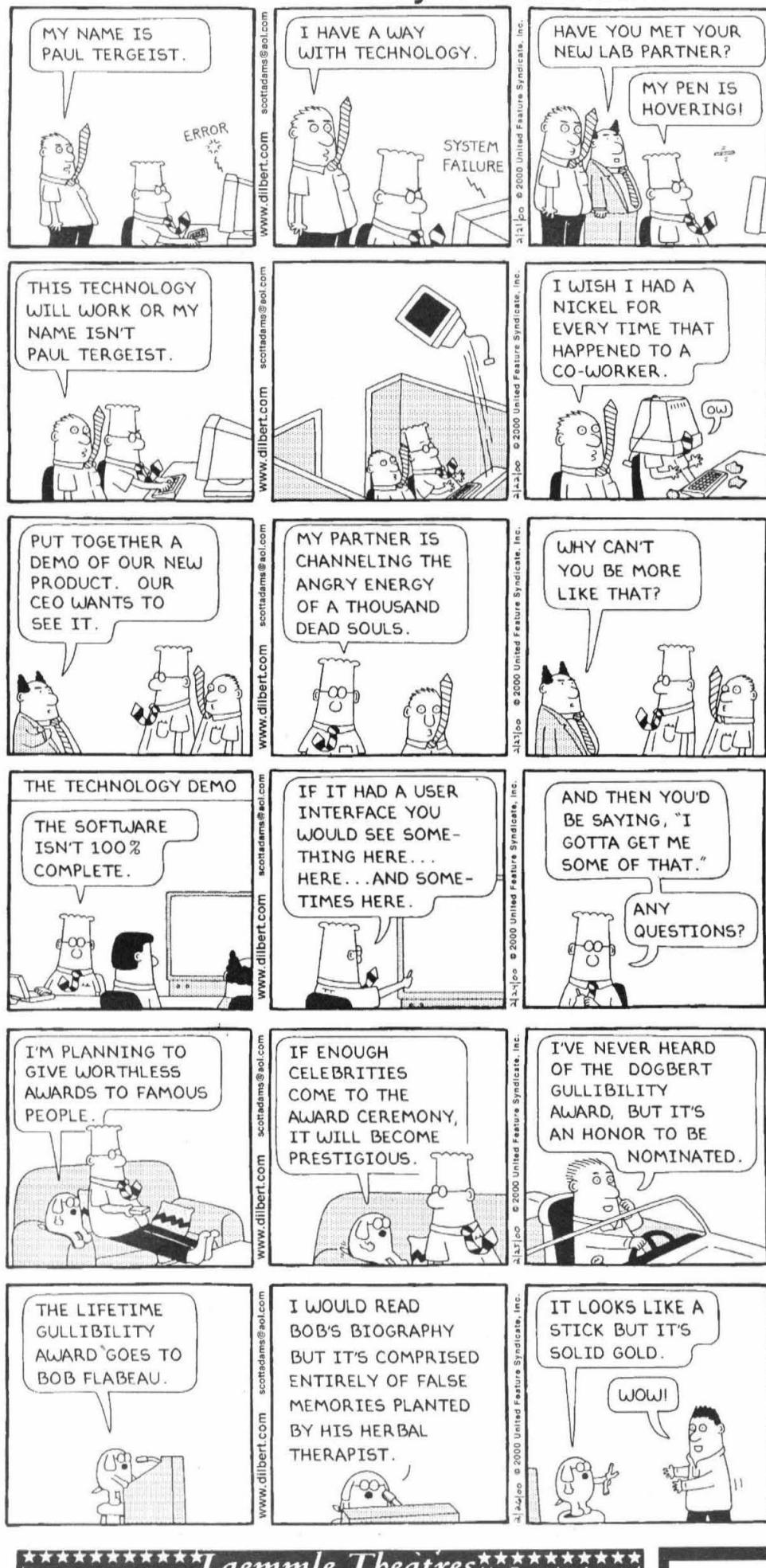
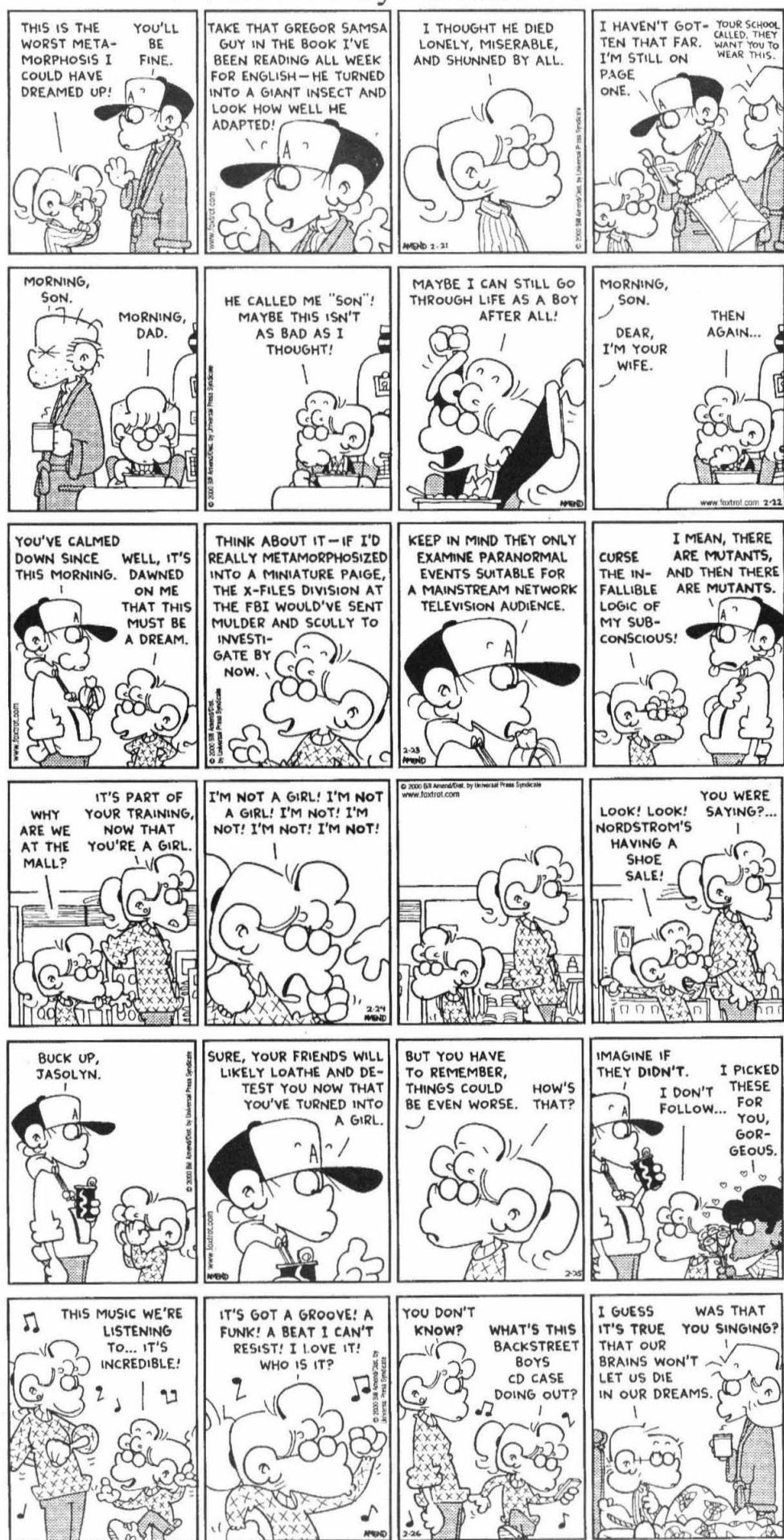
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Based on the novel by Jane Austin
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Daily [11:30] 2:05 4:50 7:30 10:00

Starring Ralph Fiennes
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Fair Caltech

by Jean-Paul Revel

Once a year the campus is invaded by hordes of companies, here to beguile and recruit our best to work for them. In the past, the Career Day Fair, where the would-be employers and employees meet, has looked like the piazza in a small European town on market day: tents, awnings, wooden tables laden with stuff, hawkers doing their best to attract customers' attention to their booth and away from the competitor's, milling crowds of seniors in their Sunday best, the women prim and well groomed, the men shaven, showered—the whole enchilada.

This year the fair had to be moved indoors, as the rains were believed to threaten the spirit of the occasion (and the bodies too). So to Braun Gym it was, not exactly in the middle of Campus, but somehow no one seemed to mind. In spite of the pessimistic predictions, the weather was gorgeous, blue sky, puffy clouds, warm sun. The walk to the gym was a pleasure. Having the job fair indoors gave a much warmer, closer feeling: a mix be-

tween a trade show at a scientific meeting and the floor of the NY stock exchange. People hustled about determinedly, showering papers and folders and resumes. As at the trade shows which accompany many scientific meetings, exhibitors tried to attract would-be customers (postulant employees in this case) with doodads, pens, T-shirts, blinking flashing things, mouse pads (not too many this year, though they were the rage a couple of years back). While quite a few of those attending a Trade Fair are serious prospects, intent on talking business with company reps, there are those for whom it is a social gathering, a chance to bump into colleagues one has not seen or heard from since last year.

"Hey Bob..."

"My gosh I did not expect to see you here (yeah??), Tony, how are you..."

"Ah yes, you see I've been very busy, writing grant applications, teaching, being on this search committee..."

"Sorry I've got to go and see..."

"Bye."

Well, at the Career Day fair it was also a bit like that. The various

companies staff their booth with our alums, and it is not just a recruiting party where strangers try to entice you, but a reunion where old friends see each other again. Besides exchanging reminiscences, there is the opportunity for Tech-to-Tech talk about what it is like to work for Company XYZ. I go to the show to see people. All day, a steady stream of alums come by the office with hugs, smiles, hand shakes, inquiries and memories welling up. Most alums, however, I see on the floor, but their greetings there are more terse and strained. After all, these alums have a job to do, i.e. recruit new blood, and I am not in that cohort. When someone asks me if I want a job, it is supposed to be funny.

Besides the pull of familiar faces and the push of trying to find a way to put all the knowledge that Caltech has packed into their brains to work, people also go for the freebies. If I must confess, I keep my office stocked in pens (and my wife takes away the brightly colored ones) and in note pads to keep by my telephone. The one thing I don't like about the pads is that it is difficult to hold the phone to one's ear, and write at the same time. The pads slip around too much. I have tried to hold the phone receiver between shoulder and jaw, so I have two

hands free, but that greatly limits the movement of the writing hand. Maybe someone will come out with a pad that has a sticky back, so that it will stay put. Right now I roll a small ball of the goop that is used for holding up vases and other objects on their shelves during an earthquake. It works a little too well—it can be hard to remove the pad without destroying it when it is needed elsewhere. Oh, bother! I should have patented the idea before divulging it in public. My chance to fortune, if not fame, squandered! Of course you'll say, maybe you should try a headphone instead, but somehow I am embarrassed to try that. You see, they don't really look appropriate on my head, I don't think.

The other day at the supermarket I saw this young man, a lawyer type, ultra properly dressed in gloomy black—jacket, vest, tie and crisply creased pants—walking down the aisle apparently mumbling to himself, and then I realized he was not mumbling, but speaking, aloud. Too normal and sharp looking to be in some sort of distress, and then I noticed a little black thing in his ear and a discreet boom jutting out of a slender headband. He was no doubt on an important call while collecting milk for himself and cream for his kitty, or maybe arguing with his girl friend who did not want to go see that movie on Friday night—anyway, what he was doing matters not. What does matter is that it looked ridiculous on him, as I expect it would look on me sitting at my desk

with a bug in my ear. But then I have looked ridiculous before. Lucky the picture is poor, but have you noticed my headdress in the snapshot that sometimes appears above? And I am the one who sang for some Lloydies the names of the Pokémons.. Very educational. I did not know that there was a Bulbasaur, I only had heard of Pikachu. I guess it stuck because it sounds like Picabo (Street), one of the ace skiers of the US Olympic team in Nagano.. Pikachu, Charmander, Squirtle, Bulbasaur and Jigglypuff—well I learned something.

So I hope you had a most successful time in your interviews and will have a grand time as you start out on a career. See you again next year, all rested, with a bit more color than you had here, and a bit more filled out. For those of you still in the "underclasses" it is nice to get a glimpse of what might be in your futures. Hey you, struggling with your physics homework set, take ten and come over to the fair next year. Even if you are not ready to graduate yet, it is so encouraging to see one of the fates that could await you (if you don't decide to go to grad school instead). Thank you Career Development Center, usually Sally Asmundson, but this year Amy Malak, and their helpers for bringing all these windows to campus and opening them wide.

A bientôt!

Jean Paul Revel

Jean-Paul Revel

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EARTH SYSTEMS

FIELD SCHOOL I & II

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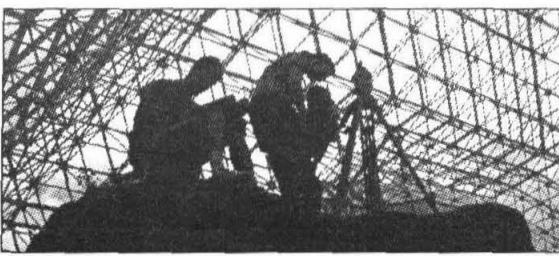
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ANNOUNCEMENTS

Mark Your Calendars! Admissions, Prefresh Weekend will be held Thursday, April 13th through Sunday, April 16th. For more information email dina@admissions.caltech.edu or ryan@admissions.caltech.edu.

Quiz Bowl intramurals are coming on March 4. Quiz bowl is a fast paced Jeopardy!-style competition for teams of up to four students. This competition is open to the entire campus, undergraduates, grad students, and faculty alike. To sign up, go to www.ugcs.caltech.edu/~jc/signup.html, or follow the link from the club site at www.its.caltech.edu/~quizbowl. For more information, contact Kevin Costello at costello@its.caltech.edu

The Disbursement Audit Office will relocate from the third floor of Keith Spalding Building (Business Services), Room 307, to 363 South Hill Street. Initially, Disbursement Audit Office will occupy a part of the first floor of the main Hill House, but eventually move to the Garage structure in the back of the Hill House. The telephone numbers and fax (626) 229-0740 will remain the same. The new Mail Code for Disbursement Audit will be 2-7. Only minor disruption in the morning on Tuesday, Feb 23, 2000, is anticipated due to this relocation. We regret any inconvenience this may cause you.

Spring Term Offering: Beethoven, An Exploration of the Composer's Life and Work, Mu 123, MW 11-12:30 at 19 Baxter. Instructor: Neenan Prerequisite: Some proficiency at reading of musical scores - MU127 or equivalent ability. Permission of instructor required. Ludwig van Beethoven is arguably the most influential and important composer in the history of music. Mu123 will explore his life and work, using Maynard Solomon's landmark biography and musical examples from the major genres (symphony, concerto, string quartet, piano sonata etc.). Lecture/reading course with in-class discussion, listening, video presentations and live performances. Field trips to off-campus performances to be arranged. Because of the nature of the course (ie. some musical analysis), students must have some proficiency in reading music.

Ride your bicycle to Caltech? Register with Caltech's CYCLOCOMMUTERS. Website: <http://www.its.caltech.edu/~cyclocom> or email: cyclocom@caltech.edu. Monthly random drawing for a \$30.00 gift certificate to a local bike store and free tune up and extras at the Commuter Fair Day, on May 19th! If you are a distance rider, log in your miles for an extra chance to win additional prizes every 6 months.

H&SS Division offers the following Selected Topic Courses for spring term 2000: H 161 Race & Ethnicity in Modern America, H 161 Women and the Family in the US before 1900, Lit 180 British Fiction of the 20th Century, Lit 180 American Fiction of the 20th Century, SES/PI 169 Causation & Causal Inference, Ec 101 Experimental Economics in Principle & Practice, Psy 101 Seminar in Cognition, SS 200 Social Choice Theory: Consistency, Strategy and Dynamics. Note: Contrary to the catalog listing - SES/H 159 Science and Society will be offered in the spring by Professor Kevles on T 7:30 p.m. in

128 Bax. Copies of HSS course schedules are available in 228 Baxter.

Beginning American Viennese Waltz offered by the Caltech Ballroom Dance Club, 7:30-9:00 p.m. for four successive Mon starting Feb. 14: [taught by a professional dance instructor, \$24.00 except \$16.00 to Caltech undergraduates] in Winnett Lounge on the Caltech campus. No partner is required. Refreshments and free dance practice time are provided after each class. For last minute changes see www.its.caltech.edu/~ballroom or call Don 626/791-3103.

International Folk Dancing, Tuesday night in Dabney Hall, Lesson 7:30 p.m., dancing 8:30 p.m.

Congressman James Rogan seeks to fill two internships with Caltech students for service during this exciting election year. These would be paid jobs, and would share in the joy and labor of the political campaign. To apply or for information email vveysey@its.caltech.edu or phone x9570.

Be a part of the earthquake team. The U.S. Geological Survey (on campus) is looking for a part time intern for ongoing monitoring and programming of an automatic, web-based system for gathering post-earthquake shaking and damage data (<http://pasadena.wr.usgs.gov/ciim.html>). Summer work also possible. More info thru Carrer Center. Email wald@gps.caltech.edu.

EVENTS

The Merchant of Venice, Ramo Auditorium, Feb. 25, 26 at 7:30 p.m. and Feb. 27 at 2 p.m., presented by Theater Arts at Caltech. For more information, call 1-888-2CALTECH.

Soweto Street Beat Dance Theatre will perform on Sat., Feb. 26, at 8 p.m. in Caltech's Beckman Auditorium. This all-mail South African dance company melds African contemporary, neo-African, modern African, Afro-fusion, and new traditional dance. Tickets are priced at #25, \$21, and \$17, youths 12 and under receive \$4 off. Tickets can be purchased at the Caltech Ticket Office and all Ticketmaster Ticket Centers. Call 1-888-2CALTECH for more information.

The Student/Faculty/Alumni Relations Committee of the Caltech Alumni Association and the Career Development Center are sponsoring: "Lunch with Alice Huang." Mon., Feb. 28 12:00 noon at the Athenaeum main dining room. It will be an open discussion on "Women's Career Developments" in the sciences. Space is limited, so please make your reservation by emailing Kim Goodfriend at ext. 6852 or email to kimberly@alumni.caltech.edu.

Please mention special requirements when you make your reservation.

Earthquake preparedness training will be offered by the Pasadena Fire Department through the Safety Office. Training will be from 9:00 a.m. to 12:00 noon in the Baxter Lecture Hall on Thu., Mar. 9. Learn what to do before, during, and after an earthquake. The session is limited to the first 100 people who sign up. For reservations call Caprice Anderson at x6762.

Mints**SCHOLARSHIP**

The Literature Faculty is pleased to announce the Annual Hallett Smith Competition, honoring the finest essay devoted to Shakespeare. Only full-time, officially registered undergraduates are eligible to enter the competition. All submissions must be typed and double spaced, and should not exceed 4,000 words. The essay may be one prepared for a humanities class, or may be specifically written for this competition. No student can submit more than one essay. All contestants must submit their work to Professor Jenjoy LaBelle, Division of the Humanities and Social Sciences, 101-40, no later than April 21, 2000. This year's prize will be approximately \$300, though the judging committee may divide the award in the case of more than one outstanding submission. For more information, contact Prof. LaBelle, x3605, or Barbara Estrada, x3609.

The Jewish Loan Association 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 year of undergraduate study and have a 2.5 GPA or above. For further information, please contact the Jewish Free Loan Association at 213-761-8830 or 818-464-3331.

The American Meteorological Society is pleased to invite applications for the 2000-01 AMS/Industry Undergraduate Scholarships in the atmospheric and related oceanic and hydrologic sciences. Prospective candidates from the fields of earth sciences and related fields who intend to pursue careers in the atmospheric and related oceanic and hydrologic sciences are encouraged to apply. The award is based on merit and awarded to students who demonstrate potential for accomplishment in these fields. Applicants must have successfully completed two years of study by August 2000 at an accredited institution with a minimum G.P.A. of 3.0 on a 4.0 scale and be U.S. citizen or hold permanent resident status. The scholarships are available to students who will be juniors in the fall of 2000. The award is renewed for the senior year based on the recipient's performance and recommendation of a faculty advisor. Applications can be obtained from the AMS web site at www.ametsoc.org/AMS. Any questions may be directed to Donna Fernandez, 617-227-2426 x246, dfernand@ametsoc.org; or Stephanie Armstrong, 617-227-2426 x235, armstrong@ametsoc.org. Applications must be submitted by February 25, 2000.

The Dennis W. Cabaret Scholarship Committee is pleased to announce the availability of scholarships for students whose permanent address is in Orange County. Applications must have completed at least one year of college, have a 3.0 or higher GPA, be currently enrolled in an institution

of higher education, and clear roots of activism in the Orange County lesbian and gay community. The applicants is advised that the Scholarship Committee may call him or her for a personal interview. Applications are available in the Financial Aid Office. Completed applications should be sent to Dennis W. Cabaret Scholarship, c/o Thomas J. Peterson, 2821 Cassia St. Newport Beach, CA 92660. Entries must be postmarked by February 29, 2000.

The Coalition of Higher Education Assistance Organizations (COHEAO) will award six scholarships to eligible undergraduate students for the 2000-01 academic year. Applicants must be U.S. citizens; have a 3.75 or above GPA; enrolled at a COHEAO member school; must be entering their sophomore, junior, or senior year at the member school; and only one scholarship per family per academic year will be awarded. Further information about the COHEAO scholarship is only available via the web at www.coheao.com/scholarframe.html. To apply, applicants must submit a typed application, 300 word or less typed essay response, academic letter of recommendation, and seal official copy of your most recent transcript. Please send application materials to COHEAO Scholarship Committee, 809 S. Marshfield Ave. M/C 557, Chicago, IL 60612. Application materials must be submitted by March 1, 2000.

The Talbots Women's Scholarship Fund will award five \$10,000 and fifty \$1,000 scholarships for undergraduate women in the fall of 2000. Applicants must be women currently residing in the United States who plan to return to an accredited four-year college or university and plan to enroll part-time or full-time to complete an undergraduate baccalaureate degree. Eligible applicants must have completed at least one semester of college a minimum of five years prior to September 30, 2000 and not have enrolled for more than one college course per semester since September 30, 1995. For further information and application materials, you may contact Elizabeth Tuma, 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 scholarships for the 2000-01 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 Evelyn Black, Desk and Derrick

Clubs, 4823 S. Sheridan, Suite #308A, Tulsa, OK 74145 or email at evelyn.black@labatt.com. Entries must be submitted by April 1, 2000.

The SAE Foundation for Science and Technology Education will award an \$2,000 scholarship at a rate of \$1,000 per year to a college senior of graduate student for the 2000-01 academic year. Applicants must be citizens of North America (U.S., Canada, Mexico) and pursuing a course of study or research related to the conservation of energy in transportation, agriculture & construction, and power generation. Applications are available by contacting Connie Harnish, SAE Educational Relations at 724-772-4047, email connie@ase.org, or via the web at www.sae.org/students/yanmar.htm. Entries must be submitted by April 1, 2000.

The Danville-Alamo Branch of the American Association of University Women (AAUW) is offering scholarship awards ranging from \$500 to \$1,000 to female college students entering their junior or senior year for the 2000-01 academic year. Applicants will be evaluated on the basis of scholarship, achievement, educational goals, financial need, and campus or community involvement. Female students must be residents of the San Ramon Valley (Danville, Alamo, San Ramon, or Diablo, CA) 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 with a \$0.66 stamped self-addressed large envelope ("9" X 12") to: Linda Elsdon, 61 Milano Court, Danville, CA 94526. Entries must be postmarked by April 3, 2000

The JVS Jewish Community Scholarship Fund announces the availability of applications for the 2000-01 academic year. The funds are intended to provide a limited amount of financial aid for needy Jewish students who are legal and permanent residents of Los Angeles County. Applicants must be full-time at an accredited educational institution and have a 2.5 GPA or above. Recipients are also eligible to apply for loans from the Meltzer Undergraduate Student Loan and the Becker Graduate Student Loan Fund of the Jewish Free Loan Association. For further information you may contact: Jewish Vocational Service, 5700 Wilshire Boulevard, Suite #2303, Los Angeles, CA 90036, or phone 323-761-8888, extension 122 or 132, or via email at jgaynor@jvsla.org. Entries must be submitted by April 15, 2000.

To submit an event for the Mints, contact tech@ugcs.caltech.edu or mail your announcement to Caltech 40-58 Attn: Mints. Submissions should be brief and concise. Email is preferred. The editors reserve the right to edit and abridge all material. Deadline is noon Wednesday. Unless specified, all mints will run for two weeks.

THE CALIFORNIA TECH
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