Visiting artist shapes creativity

George Rhoads, Caltech’s Artist-in-Residence who has been working with ten Caltech undergraduate students to build sculptures personally designed by each student, will be concluding his six week stay today.

Rhoads is best known for his engaging audiokinetic sculptures that grace airports, hospitals, museums, and shopping centers all over the United States, including those in New York’s Museum of Modern Art, The Art Institute of Chicago, LAX, and Port Authority Bus Terminal in New York City. He also has several sculptures in Japan, Canada, and Guam.

In the 35 years since deciding to become an artist instead of a doctor, he has made approximately 100 sculptures and thousands of paintings, said Rhoads. His works are widespread and varied. He enjoys several different styles including expressionist, realist, and surrealist, and many different mediums, including watercolor, oil, acrylic, wood, and steel. Some common themes in his paintings are landscapes and cityscapes.

“I think that George Rhoads is a delightful and creative man,” said Amy Yu, one of the students in the program. “His style is flowing - he makes things that are more of a silhouette and leaves it to the imagination of the viewer.”

He first started in the early 1960s making his specialty, milking steel ball sculptures, which sold very well. To date, he has made approximately 175 of them.

Although he is not accustomed to working by himself, he is excited to share his art with students. “The students all have very creative ideas, and the persistence and abilities to carry out their ideas,” said Rhoads.

Second of four science fiction films shown

On Tuesday, January 30th, H. G. Wells’s classic movie “Things to Come” was shown as the second of four films in Caltech Presents: The Future of the Universe Science Fiction Film Festival. The auditorium was packed and there was a lively discussion afterwards.

Three professors, Robert Rosenstone of Caltech, Dr. Witt Douglas Kilgore of the University of Indiana, and Hiroki Mabuchi also of Caltech, served on the panel of discussion. Professor Rosenstone, who teaches History at Caltech, was the moderator.

Released in 1936, the classic science fiction film “Things to Come” is based upon H. G. Wells’s novel “The Shape of Things to Come”, published in 1932. The movie, filmed and released in England and produced to be an antithesis to Hollywood dominated film industry at the time, received critical success at the time but not popular success until much later.

“Things to Come” is a movie that is, in the words of Professor Kilgore, “two parts prophetic warning and one part technological utopia.”

The movie can be split into three parts: the first in which a 30-year world war begins in 1940 and ends with biological warfare destroying almost all of humanity by the 1970s; the second with engineers, scientists and other technologists establish a benevolent, airplane-based dictatorship over humanity called “Wings over the World”; and the third, happening in an utopian 2060, in which technologists triumph over the artists, who want to stop progress and enjoy life, by sending two humans into space from a giant cannon.

Stevenson receives Feynman teaching prize

David Stevenson has received the 2000-2001 Richard P. Feynman Prize for excellence in teaching.

This Prize in teaching is awarded annually to a professor who demonstrates, in the broadest sense, unusual ability, creativity, and innovation in undergraduate and graduate classroom and laboratory teaching. The prize, which consists of a cash award of $3,000, matched by an equivalent raise in the annual salary of the awardee, is made possible by a gift of endowment by John and Robert P. Paradise, in appreciation of Richard Feynman’s contributions to excellent teaching. All professional faculty of the Institute are eligible.

The citation for this year’s award reads as follows: “Dave Stevenson chaired the faculty committee that implemented the revised core curriculum, and then seized the opportunity to start a new menu course in Earth and Environment (Ge1), which embodies the spirit and ideals of the new core. His success in achieving this goal can be measured in part by the remarkable increase in enrollment, which has risen from 20 students at the start to 165 this year. Dave’s lucid and enthusiastic teaching style excites student interest, his class notes and supplemental materials provide additional clarity and depth, and his bringing together of concepts from evolution, chemistry and geology make Geology 1 unlike any other course of its kind in the world. The innovative structure of this course also involves small group projects with individual professors as well as field trips for first hand observation. This creates a lasting appreciation of how geology research is done, how our earth was created, and how our environment evolves.”

Former recipients of the prize include Prof. Donald Cohen (Applied Mathematics), Prof. Emlyn Hughes (Physics), Prof. Barbara Imperiali (Chemistry), Prof. Emeritus R. David Middlebrook (Electrical Engineering), and Prof. Yasar Abou-Mostafa (Electrical Engineering and Computer Science).

The California Tech

Volume CII, Number 16
Pasadena, California
February 9, 2001

GET A JOB!
Go to Career Day: Feb. 15 at Beckman Mall
10:30 - 2:30

Check out ASCIT election results Page 6

Inside the Tech

The Usual

Features

ASCI Minutes .................. 3
Comics ........................ 10
The Dean’s Corner .......... 11
Yoghurt ........................ 2
Ticket Stub .................... 4
Election Results .............. 6
Yogurt

BY GEORGE AND IRA

We have a confession to make. It’s not something that either of us are really proud of but here it goes. We saw the movie The Lion King. You both liked the movie better. The audience was outstanding and the effect of the sets and lighting was marvelous. In the opening moments the sun literally rises from the stage.

Then people in the most elaborate animal costumes you have ever seen walk out. The likeness are often uncanny and all that.

The chorus is very good and begins to sing the opening number “Circle of Life.” The audience is stunned by the effect of the stage. And by the time the first number is over all are fired up and ready to see this musical.

Then the characters begin to speak. It’s not that they are not good actors and singers, but Mufasa isn’t James Earl Jones. Scar is not Jeremy Irons. Timon is not Nathan Lane. Whoopi Goldberg is nowhere to be seen. We totally missed the characters. Visually, it was absolutely stunning. There are only slight changes that often felt like flubs. (i.e. “What do you want me to do, dress in drag and do the Charleston?”)

The good news is that the new songs with English words were pretty bad and seemed to be added just to give all of the major characters a solo song. (Zazu and Mufasa now have their own songs which add nothing to the story.)

The African style chanting was amazing and more uplifting that it ever was in the movie. The dancing and movement alone was well worth the price of admission. The songs with dances were enjoyable, because, if nothing else, you could stare at the wonderful spectacle that was before you.

Really, this should have been a ballet. Visually, it was stunning and the chorus could have continued the chanting.

The orchestra is excellent even with some additions that were made. It was the dialogue and the English songs that were very disappointing.

Helping a friend

BY KEVIN AUSTIN

Two very positive aspects of Caltech are that it’s a small school and people care about one another. Students often say that it’s their friendships that help them get through Caltech, especially during the tough times. Sometimes, though, the help given to a friend isn’t enough to solve their problem. No matter how much listening you do or support you give, the person still feels depressed or does harm things to themselves. Or sometimes helping a friend takes too much from you personally, whether it’s too much time or too much emotional energy and you end up feeling stressed out. Some people would say, that’s just what friends do for one another and that’s true, but there are some problems and some situations when you should look beyond what you can do in order to be most helpful to your friend.

Consider suggesting help for your friend if their problems could result in some harm to them or if their problems don’t work themselves out over time, for example:

- Severe depression/ anxiety
- Long-standing/ on-going issues (e.g. low self-esteem)
- Family problems
- Trauma/victim of assault/ abuse
- Text/speech anxiety
- Problems with alcohol/other drugs
- ADD/Learning disabilities
- Eating disorder
- Relationship problems (affecting other areas of their life)
- Chronic illness
- Uncertainty about major/ career choice
- Self harm/cutting
- Or if you are feeling any of the following:
  - responsible for the other person
  - over-extended/burned out
  - pressure to solve his/her problems
  - Feeling that the problem is too much for you to handle
  - You notice that the problem keeps coming back
  - You feel tired or feel nervous or feel something is not right

How do you talk to a friend about getting help? Try to be as direct as possible and express your concern for them. You might plan ahead! Your #1 priority— your RESUME. Come to the Career Development Center then have it critiqued by one of our career counselors— lest you be embarrassed by a recruiter who

Career Day is February 15th Beckman Mall, 10:30-2:30

From job fair to job offer... get results from Career Day

BY JONIE WATANABE TUUL, CAREER COUNSELOR

How do you think what when you think of Career Day? Cool giveaways! Free food from companies! Door Prizes!

I hope that aside from all of the “fun” stuff associated with Career Day that many of you also think of the practical reasons to attend— getting a job or an internship.

Who comes to Career Day? The companies that come to Career Day are actively recruiting.

They know about Caltech: its curriculum, its students, and most of all, its quality in education.

But, in fact, many of the recruiters who come to represent their companies are Caltech alums. Just to name a few of the notable companies that have attended in the past— Microsoft, Intel, MIT Lincoln Lab, Alfred E. Mann Foundation, Hughes, JPL and General Motors.

How should you prepare for Career Day?

The most important thing is to say something like “You know, even though we talk and you try to shake off your feelings of depression you still seem depressed and I’m worried about you.”

People sometimes worry that they would be offending their friend by saying something like this. This won’t be news to your friend. They have full well that things aren’t changing for them and they probably feel helpless and maybe guilty for taking up your time. The next step is to say the obvious thing. “I have thought about talking to the RA or someone at the Counseling Center.”

Again this is something that you should only say to a friend, as if you are saying they’re really messed up. They probably have thought about talking to someone but may be too scared to do it and your raising the issue may help them get past their own hurdle. They may also have a specific reason for not getting help. Maybe they’ve had a bad experience in the past with a counselor or they’re afraid that getting counseling means they are weak. If you raise the issue of their talking to someone they can then address the reason that’s keeping your friend from getting the help they need. You might say to them, “I don’t think it means you’re weak for talking to someone. I think it’s a good idea, maybe it will help,” or “Even though you had a bad experience with a counselor during high school you could have a different experience with someone here, maybe it could help you now.”

If your friend is from a culture where people only really talk about problems when someone pushes them then it may be harder but still important to make the suggestion. You can say something like, “I don’t know if talking to someone at the Counseling Center seems really extreme to you but to me it just means talking about what’s going on with someone who is there to help.”

Or you might find out your own words or ways of saying these things but the point is to be direct and caring about your concerns.

If you are concerned about a friend and are considering what to do for them you can:

- Check out an article we have on our website that goes into more depth about how to talk to a friend, at www.counseling.caltech.edu/index
- Talk to your UCC, RA, Health Advocate or ACME Mentor or anyone else you trust
- Consult with one of us at the Counseling Center x8331
- Come to program the Counseling Center will be doing in your House this term called Helping a Friend where we will talk about this issue in more depth.

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the ASCIT BoD Meeting

Present: BoD - Meghan; Guests: Jon Dama, Christoph Baranec, Dave Zaragoza, Aren Heinze, Ryan White, Vanessa Sih

Meeting called to order at 10:08 pm. This will be Eric’s last meeting running a meeting.

Eric hands out a draft of proposed BoD resolutions. One lists the academic committees that the ARC will no longer be a part of making appointments to. The second recognizes the CRC and describes the procedure for selecting new members. The BoD will think about the resolutions and discuss them at the next meeting.

Sean presents his budget spiel. The big questions are if we are operating for the rest of the fiscal year. What ever happened to the Endowment? We’ll leave that up to the next BoD.

Erik Dill, Zack Chadick assists if they should put it on the donut website. The BoD says yes.

Chris says the IHC will finish their budget report next week, we will know of if we have enough to give clubs their unclaimed funding from last term. We also need to give the next BoD enough to operate for the rest of the fiscal year.

What ever happened to the Endowment? We’ll leave that up to the next BoD.

Erik says that Jake West has already started work on the 2001 book. The CRC representatives will be appointed by the old IHC, old ASCIT President, and old BoC Chair. Erik gives us the update on the Big T. It’s all been submitted, except for the index. Besides indexing, the proofing is all that’s left to be done.

The proofs should come back from the publisher in less than ten weeks. Proofing should take two weeks, with the help of two or three people who have already expressed interest. Erik will set a fixed date of completion for the Big T. Erik says that Jake West has already started work on the 2001 book.

Senior page submissions should be starting soon. Erik will ask Sarah Wantoch to advise the new business manager, Dan Thap, since she knows what she’s doing.

Martha-Helene is still working on the UROH. She says strawberry donuts are coming out soon, maybe as early as this Friday. Mmmmm strawberry donuts.

Meeting adjourns at 10:59 pm. Respectfully submitted,

Jason C. Cardema
House of Mirth (A+)

'Titanic' was my first introduction to the disgraceful behavior of turn-of-the-century high society. The incredulity with which Rose's mother boarded the rescue vessel moments before the Titanic sank into oblivion because she may have meant being seated next to someone of lesser social status was monstrous, fallacious.

Surely for a country with a history of social and economic mobility, and under dire circumstances, the privileged could not afford to be so exclusionary.

But the novels by Edith Wharton speak otherwise, and of a demimonde which was not only critical of those in lesser stations in life, but also enraptured by the amoral decadence, casting and dressed in elaborate attire more flashy. It is a resplendence that is deceptively complex, for appearance had no grander purpose than to hold the fancy of an affluent marriageable bachelor, the hopeless enchantment of someone else's husband, and the envy of an insecure debutante. Within the exclusive circles of refinement, etiquette was of the utmost importance. Ladies and gentlemen were so preoccupied by the tenets of decorum and having to lead such scrupulous lives that to escape from the temptation to act improper or possibly appearing to be so, they fabricated malicious stories to divert public scrutiny to someone less desperate.

And so Wharton delineated stifling high society, an entity that celebrated its materialistic prosperity and amoral decadence, casting disapproving glances toward the questionable behaviors of the naive but doing so with self-satisfied hypocrisy.

Ms. Lily Bart is of such a hopelessly innocent nature, delicately bred to enjoy the fruits of affluence, but bereft of the mechanisms to protect with ferocity her station in life. It is her lacking of meanness that makes her an easy target of the vultures of the Manhattan upper crust, as if her goodness had evoked the ire of the unscrupulous.

There is no conspiracy against her, only a sequence of acts perpetrated by petty individuals with each exacting a painful toll. In the scenarios Lily's simple escape to debase herself to the same methods of treachery employed by her foes. Yet, she is no rebel, even her fiery red hair and her penchant for crimson strikes a discord in the otherwise gothic posh of her contempories. She has no desire to usurp the social order, nor to escape from the tragic dependence on the male gender that robs her of her freedom to love.

For Lily is essentially poor and her desire to pursue love is tempered by the need to marry wealthy. There is no passion in marriage: a bachelor's wealth is proportional to his ability to inspire boredom or boorishness, and each nuptial wafts a faint odor of financial opportunism. But Lily is conflicted, unable to take her desire to marry for love or for money seriously.

All the while, she blunders and stumbles among the games and indulgences the rich enjoy to keep themselves entertained. Lily procrastinates on her musing for a suitor, robbing herself of a potential fortune to repay her debts and the happiness that ensues from being settled.

If Lily is to be blamed for her self-destructiveness or coquettishness, the cabal of background characters quickly averts the critical finger. Her tormenters include: a friend's Bertha Dorset, whose devious infidelity is outmatched by her active engagement in Lily's fall from grace, spreading fallacious whispers which eradicate Lily's reputation; a bitter aunt whose severity is lashed unfairly on Lily's silly behaviors; a mousy cousin whose true vindictiveness lies hidden to others; the husband of a friend Gus Trebor, who enjoin Lily in Ichery; and Sin Rosedale, a crass upstart nouveau-riche who wishes to consummate his entry into high society by stripping Lily of her virtue.

In an environment with so many enemies, it is a wonder that Lily does not go baltic. Rather, she endures with dignified tranquility, quietly pondering the miserable state of affairs that have fallen upon her, and then to engraved by mental exhaustion to do anything but swallow her anguish.

Even as the film was set nearly a century ago, one can recognize the eternal tragedy of bad things which happen to good people.

Lily is first ejected from the inner circle, and then realizing that her privilege upbringing has been remiss in providing any skills whatsoever, slides into abject poverty. The austerity is a direct reflection of Wharton's disgust of the cruel, voracious appetite of the wealthy in her era. Thus, House of Mirth strikes a chord of its own in the context of period pieces in which outcomes have been more rosy, the attire more flashy.

In those films, the translation of novel to screen functioned as an ode to nostalgia—a sentiment which is certainly lacking in this gloomy adaptation. Anyway, with a martyr, the film evinces a sad beauty. Though the society depicted may be so alienating, the story is gripping, and the film, certainly, engrossing.

The Ticket Stub

by Justin Ho
RHOADS:

Continued from Page 1

their ideas about their own sculptures with Rhoads and asked for advice if necessary, said Vu. They also watched videos on the work of other artists who also produced kinetic sculptures.

With all the concentration on technical aspects at Caltech, art is an intriguing alternative for many of the students. "I like the class a lot because for me, art is the only thing that I look forward to during the week," said Vu, who is working on a rolling-ballisko sculpture.

"Specifically, I decided to take his class because I had never learned wood for metal working in high school and because I saw his sculpture in the airport on a stopover in San Jose.

Similarly, senior Celeste Yang enjoys the class because "it allows us to design things and work with our hands." Sometimes when she zones out of class, it is because she is thinking about her design, admits Yang. "I look forward to coming into the shop and playing with materials to see what I can create."

In addition to sharing ideas, Rhoads also assists the students with the finer details of how to make their sculpture, since many of the students had never had formal shop training. "He tells us if he thinks our ideas would work, he tells us ideas of how to make it better, and he helps us with actual shopwork, like trying to cut plexiglass," said Yang. Rhoads' interest in the student's works is evident. "What I like best about him is his generosity and his willingness to help," said Vu.

Evan Dorn, foreman of the Student Shop where the students work on their projects everyday, adds, "It's nice to have an officially sponsored program to explore my artistic and creative side, and a professional here to help me do it."

Some of Rhoads' current works are a lampshade of circuitboards that he calls the technological lamp and a sculpture of motor-driven rolling steel balls.

Rhoads will be returning to his home town of Ithaca, New York, where he still holds shows for his paintings annually and has open houses every few months to display his works.

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Sr. Scientist (s)

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Visit us at the Caltech Career Fair Feb. 15th

For specifics, please visit our website (www.nlight photonics.com) or write to Marvin Smith (marvin.smith@nlight photonics.com)

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The new ASCIT Board of Directors was completed by an election last Monday. The Election Chair and members of the suw and old BoDs spurned their midterms and other such distractions and spent a night counting the ballots. Here is what they found:

Turnout:

<table>
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<td>Total</td>
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ASCIT Secretary:
Lisa Wang withdrew from the race prior to the election, but still appeared on the ballot. Her votes were counted like those of other candidates. The election was decided after a redistribution of the NO votes and write-ins. All of the latter became abstaining ballots. The next ASCIT Secretary will be Justin Ho.

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<thead>
<tr>
<th>Ho</th>
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<th>Wang</th>
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AM = absolute majority = least integer strictly greater than (1/2)*(number of non-abstaining ballots cast) + (1/2)*(error). A ballot which ranks none of the remaining candidates after a redistribution is considered abstaining.

ASCIT Treasurer:
After the NO votes and write-ins were redistributed, Han and Payne were tied for third place, with the difference between them being less than the error. First, Payne's votes were redistributed, and a winner of the election was found. Then, we returned to the situation after the redistribution of the write-ins and redistributed Han's votes. In both cases, Ayeh Bandeh-Ahmadi was the eventual winner, so she is the new treasurer of the ASCIT checkbooks.

<table>
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<tr>
<th>Bandeh-Ahmadi</th>
<th>Han</th>
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Editors (winners: Janet Zhou and Neda Afsarmanesh)

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BoC Secretary (winner: Dave Guskin)

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The elections for the other positions were decided straightforwardly.

IHC Chair (winner: Dana Vukajlovich)

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Director for Social Activities (winner: Ted Jou)

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Director for Academic Affairs (winner: Nick Knouf)

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Freshman Director at Large (winner: Joe Jewell)

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Upperclass Director at Large (winner: Todd Schuman)

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Here at Siebel Systems, Inc., we knew that being a profitable company would come back in style one day soon. You could even say we've been preparing for this day for the past 8 years. Siebel Systems, Inc. has been running a cash-positive operation since it shipped its very first product. Thinking about joining a start-up? Why not join a company with the agility of a start-up and the expertise of one of the world's great companies? Work for the world's leading provider of eBusiness software and the fastest growing applications software company in history. Interested?

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Curj to focus on undergraduate research

Due to a printing error, the second part of last week’s article, “Curj to focus on undergraduate research” was not included.

Curj, the Caltech Undergraduate Research Journal, is making a bid for national prominence this year, with a team of undergraduates working hard to transform the journal into a major part of student life. The measure of their success in this endeavor will be determined largely by how widely Curj gains recognition. When asked about the future of Curj, Mike Russo said, “I’d like to see Curj become respected enough that publication in Curj would serve to get an author noticed.”

Relevance outside of Caltech is a big goal for Curj, and the first issue will feature articles from ucla students who did Sure’s here over the summer. Curj also hopes to increase its funding through the sale of subscriptions to Curj to other institutions (Caltech students and faculty will all receive free copies).

In order to reach such a wide audience, a large part of Curj’s staff is dedicated to developing a strong web presence. Currently under construction and scheduled to open this summer, the website will feature interesting and effective layout. The criteria for selection of this issue was the same as it will be for all future issues: quality of writing, and quality of research. The Curj executive editors include: Ram Srinivasan, Mike Russo, Robert Christy, Jonathan Dama, Daniel Liebling, Dylan Simon, Aniko Hullner Grau, Ayel Bandeh-Ahmadi, and David Guskin.

Staff collaborators include: Carolyn Merkel, Director, Student Faculty Programs, Ryan Tischler, Staff, Student Faculty Programs, Gillian Pierce, Science Writing Requirement Coordinator. With such a talented team of people working on this project, Srinivasan is hopeful about the impact Curj will have, “You will want to read and publish in Curj when you see it.”

The California Tech: we publish.

Sci-fi: Continued from page 1

The film concludes with a message exhorting the conquest of space and the desire to never stop moving human society forward. Historically, H.G. Wells wanted to release the film as a direct criticism of Fritz Lang’s dystopian film “Metropolis,” which predicted the future to be massively urbanized and industrialized. In contrast, H.G. Wells’ vision of the future was of a neo Greco-Roman utopian society that lived in wide-open and graceful underground cities. Perhaps Wells’ most enduring statement of the film was the space cannon that shot the first humans to the moon. Wells wanted this to represent the end of war and the conversion of war machines to the benefit of humanity.

Four films will be shown as part of The Future of the Universe Science Fiction Film Festival. The remaining two will be the 1950’s classic “The Day the Earth Stood Still” (2/13/01 at 7:30 p.m., Baxter Lecture Hall), and the post-modern “Blade Runner” (2/27/01 at 7:30 p.m., Beckman Auditorium).
The Outside World

by Elizabeth Adams

Ariel Sharon easily becomes Israel's new Prime Minister
ISRAEL - Hard-liner Ariel Sharon ousted current Prime Minister Ehud Barak with 62.5% of the vote in elections on Tuesday. The record-low turnout came amidst the worst violence between Palestinians and Israelis in many years, evidence of voter dissatisfaction with both the candidates and the political system. Sharon, 72, is Israel's fifth prime minister in five years.

In the wake of a car bomb explosion Thursday in Jerusalem, which injured one person, the Prime Minister-elect warned the Palestinians that he will not negotiate as long as such attacks continue.

Gujarat Earthquake Death Toll Estimated at 30,000
INDIA - The death toll for the massive 7.7 magnitude earthquake shook the western provinces of India and parts of Pakistan on January 26 is currently estimated at 30,000 people, but may go higher as more bodies are found. Hundreds of thousands more have been made homeless. It was India's worst earthquake in fifty years, and the world's deadliest since another 7.7 killed an estimated 50,000 people in Iran in June 1990.

There have been over 200 aftershocks which continue to cause panic. At least 40 people were injured when they fled buildings in panic in a recent 5.3 magnitude aftershock which shook Gujarat on Thursday, though there were no reports of deaths or building collapse.

Moderates to scale down Bush's tax cut plan
WASHINGTON - Following up on his campaign promise of a broad tax cut, President Bush sent his proposal to Capitol Hill on Thursday. Republican moderates, however, vowed to lower the package, calling it too big and not focused enough toward those who need a break the most.

Judge orders suppliers to sell electricity to California
YUBA CITY - Citing an energy crisis of "catastrophic proportions," a federal judge ordered three major suppliers on Thursday to sell electricity to California, despite worries that the two cash-strapped utilities won't be able to pay for it. The suppliers currently account for about 4,000 megawatts on the state's power grid. Governor Gray Davis has also announced that he will dramatically accelerate power plant construction to try to stave off summer blackouts.

Laboratory bound for space station Alpha
OUTER SPACE - Space shuttle Atlantis arrived Thursday with Destiny, a $1.4 billion science laboratory. Linking maneuvers are expected to be finished by noon today. The lab is 28 feet long and 14 feet in diameter and will provide a fourth room for the men currently living on the station. Alpha's crew marked their 100th day in space on Thursday.

Man shoots at White House
WASHINGTON - In what looks like a failed suicide attempt, Robert Pickett, 47, was shot in the knee by a Secret Service agent Wednesday morning after firing shots at the White House. A former employee of the Internal Revenue Service, Pickett, claimed in a suicide note that he was a victim of a corrupt government. In a federal lawsuit that was dismissed last week, Pickett claimed that he was fired 17 years ago for being a whistleblower. He accused the IRS of allowing its officials to make false statements to the federal court.

He was reported to be in good condition Thursday morning after undergoing surgery to remove the bullet and bone fragments from his right knee.

Miami Mayor spends night in jail
Miami Mayor Joe Carollo spent a day in solitary confinement after being arrested on charges of misdemeanor simple battery, for allegedly hurling a tea canister at his wife that hit her in the head.

He was released from jail on $1,500 bail Thursday after spending the night behind bars. Judge Berlita Soto ruled that Carollo cannot be in the couple's home when his wife is present, or speak or write to her. He also must surrender his guns to his lawyers.

Carollo has said he will not run for re-election in November.

Systems & Information Technology Technology Group

Q. Where did the Caltech "Wisconsin Card Switch" tricksters go to work?

Q. Who built the throttling engine that put astronauts gently on the surface of the moon?

Q. Who's building a broadband satellite link to... anywhere?

Q. Who's building the "Tactical Internet", creating based on wireless links and mobile computing?

The Answer Is TRW.

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February 9, 2001

10

The California Tech

Comics

DILBERT® by Scott Adams

YOU NEED MORE FEATURES. GOOD WORK.

WHEN CAN YOU HAVE THAT DONE?

GAAAA!

10

THE FEATURE CREEP

IS IT TOO LATE TO GIVE OUR PRODUCT A LOW BATTERY INDICATOR?

I'VE HAD TO WORK NIGHT AND DAY FOR A MONTH!

I JUST REALIZED THAT PEOPLE'S PROBLEMS MAKE ME ALL WARM INSIDE.

THAT DUMP SOUND JUST BOUGHT YOU A NEW FEATURE MISTAKE.

DO YOU MEAN THE IMPOSSIBLE GOAL, THE ILL-ADVISED ONE, OR THE ONE YOU DIDN'T TELL ME ABOUT?

I FIGURED OUT WHAT'S WRONG WITH LIFE: IT'S OTHER PEOPLE.

YOU'RE NOT ALLOWED TO PARK IN THE LOBBY.

WHY ARE YOU CALLING ME PIZZA?

WHAT ARE YOU DOING?

THE BEST PART WAS WHEN WE WERE UNDERWAY, VOMITING AT HSS-

I'D HAVE TO WORK NIGHT AND DAY FOR A MONTH!

MY FLIGHT TOOK ALL NIGHT BUT I STILL CAME TO WORK ON TIME AS USUAL.

I DIDN'T WANT TO DEPEND ON THE COMPANY BY MISSING WORK.

YOU'RE NOT ALLOWED TO PARK IN THE LOBBY.

WHY ARE YOU CALLING ME PIZZA?

BUT I SMELLED SOMETHING NOT FOR PIZZA HOURS!

HOW LONG DO YOU THINK IT TAKES TO MAKE THIS PIZZA?

THE DICKHEAD BROTHERS DON'T WANT TO BE IN THE SAME ROOM TOGETHER.

THOSE DICKHEAD BROTHERS DON'T WANT TO BE IN THE SAME ROOM TOGETHER.

WHEN CAN YOU SPEAK TO MY CEO?

I'M GOING TO START TALKING ABOUT THINGS BETTER.

NOTHING. ALL I KNOW IS IT'S TOO LATE TO GIVE OUR PRODUCT A LOW BATTERY INDICATOR.

I JUST REALIZED THAT PEOPLE'S PROBLEMS MAKE ME ALL WARM INSIDE.

THE FEATURE CREEP

BEING A FEATURE CREEP IS LIKE HAVING A SUPER POWER.

YOU HAVE FAILED TO MEET A GOAL SET BY OUR CEO.

MY FLIGHT DIDN'T GET IN UNTIL THIS MORNING.

MY FLIGHT TOOK ALL NIGHT BUT I STILL CAME TO WORK ON TIME AS USUAL.

WECE I DON'T SEE HER FLICKERING THING HIDDEN IN YOUR MANUALS THOSE LAST WEEK. THINGS BETTER.

THE CREATION OF THE BEAUTIFUL PEOPLE'S PROBLEMS MAKES ME ALL WARM INSIDE.

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across a story in the Boston Globe about a 6.7 magnitude quake of Jan 26 (the strongest in the San Andreas area in 25 years). Beno Gutenberg devised at Caltech in 1935 (each unit increase corresponds to a 10 fold increase in amplitude, and a release of 31 times more energy). While the recent magnitude is 8.6, the 1999 earth quake in Tianjin, China, where in 1976, at least 20,000 people perished, only a 6.7, on the logarithmic scale that Prof. Charles Richter and Beno Gutenberg devised at Caltech in 1935 (each unit increase corresponds to a 10 fold increase in amplitude, and a release of 31 times more energy). While the recent magnitude is 8.6, the 1999 earthquake in Tianjin, China, where in 1976, at least 20,000 people perished, only a 6.7, on the logarithmic scale that Prof. Charles Richter and Beno Gutenberg devised at Caltech in 1935 (each unit increase corresponds to a 10 fold increase in amplitude, and a release of 31 times more energy). While the recent magnitude is 8.6, the 1999 earthquake in Tianjin, China, where in 1976, at least 20,000 people perished, only a 6.7, on the logarithmic scale that Prof. Charles Richter and Beno Gutenberg devised at Caltech in 1935 (each unit increase corresponds to a 10 fold increase in amplitude, and a release of 31 times more energy). While the recent magnitude is 8.6, the 1999 earthquake in Tianjin, China, where in 1976, at least 20,000 people perished, only a 6.7, on the logarithmic scale that Prof. Charles Richter and Beno Gutenberg devised at Caltech in 1935 (each unit increase corresponds to a 10 fold increase in amplitude, and a release of 31 times more energy). While the recent magnitude is 8.6, the 1999 earthquake in Tianjin, China, where in 1976, at least 20,000 people perished, only a 6.7, on the logarithmic scale that Prof. Charles Richter and Beno Gutenberg devised at Caltech in 1935 (each unit increase corresponds to a 10 fold increase in amplitude, and a release of 31 times more energy). While the recent magnitude is 8.6, the 1999 earthquake in Tianjin, China, where in 1976, at least 20,000 people perished, only a 6.7, on the logarithmic scale that Prof. Charles Richter and Beno Gutenberg devised at Caltech in 1935 (each unit increase corresponds to a 10 fold increase in amplitude, and a release of 31 times more energy).
### Events

**Winter Quarter 2000:**

The William and Myrtle Harris Distinguished Lectureship in Science and Civilization presents the following lectures:

- **Dr. David Rowe,** Professor of History of Science and Mathematics, University of Pittsburgh, will discuss Einstein and the Canon of Mathematical Symbolism, Thursday, February 15, 2000, 4:00 p.m. Room 25 Baxter Building.

- **Dr. John D. Norton,** Professor of History and Philosophy of Science, University of Pittsburgh, will discuss Einstein and the Canon of Mathematical Symbolism, Thursday, February 15, 2000, 4:00 p.m. Room 25 Baxter Building.

Refreshments will be served. Seminars are ongoing on the Caltech campus and are open to the entire community at no charge. For information, contact Michelle Reinschmidt at (626) 395-4087 or michelle@hss.caltech.edu.

**The Biomedical Engineering Seminar Series** will be held during the Winter Term on Friday afternoons at 4:00 p.m. in President Brown Lecture Hall. The Biomedical Engineering seminar research and its applications today require tools and methodologies from a variety of disciplines that extend far beyond what is normally available in medical curricula and hospital settings. It is no longer enough to know only molecular biology and genetics or even their related cellular and molecular systems. Scientists on the cutting edge of medical research are integrating modern biology with advances in computer modeling, materials science, imaging, miniaturization, and telemedicine.

Surprisingly, Caltech is an ideal environment to foster these kinds of integration, which can lead to innovative and different approaches to analyzing and solving fundamental problems in medicine. This series will highlight new research in engineering, computational science, chemistry, physics, and biology being accomplished by Caltech and JPL investigators, often in collaboration with clinical partners. Scientists and clinicians from elsewhere are also invited. The focus will be on the translation of fundamental discoveries in engineering into clinical/medical devices, approaches, and cures. The presentations are geared for a generally literate scientific audience and not for the specialist. Seminars are open to the public. For information, contact Stacey Scoville at stacey@caltech.edu or (626) 395-6120. A complete list of lecture and abstracts is available at: http://www.cco.caltech.edu/~konioni/biomed.html.

**GUITAR CLASSES AT CIT**

Class Time: 3:00 p.m. - 4:00 p.m.

Advanced Guitar Class: 5:30 p.m. - 6:30 p.m.

Classical and flamenco repertoires are explored, but techniques transfer to other styles of guitar. The Beginning Class includes a jazz/folk chord system. Classes are free to Caltech students and staff members of the Caltech community (space permitting).

Undergrads can receive 3 units of credit. The instructor, Darryl Denning, has an international background in performance, teaching and recording (two of his CDs are available in the Bookstore). Mr. Denning can be reached at (323) 465-0881 or by email at ddenning@caltech.edu. The Guitar Home Page is at: www.cco.caltech.edu/~music/guitar.html.

**February 27, 2003**

Harpischordist Jennifer Paul, winner of the First Prize of the Erwin Bodky International Harpsichord Competition the Festival van Vlaanderen and a member of Erasmus, will perform a solo harpsichord recital (which will be held in the exhibitors faire at the festival, Thursday, February 27, at 8:40 p.m. Ms. Paul, who has performed solo recitals at Carnegie Recital Hall, Town Hall in Hong Kong, and the Sydney Opera House, and has appeared as a soloist with Singapore and San Diego Symphony Orchestras, will perform Bach’s English Suite No. 3 in G minor, music of the English Renaissance and Baroque, Baroque dance pieces by French composers of the 18th century and a mixed program of French, Spanish, and Hungarian classical compositions. The concert is free and open to the public and is sponsored by the Division of Humanities and Social Science for the benefit of the students enrolled in the division’s music courses and the Caltech and larger non-academic community. For more information, call 626-395-4072. All members of the Caltech Community are invited to audition for the TACIT production of SIX CHARACTERS in SEARCH OF AN AUTHOR by Luigi Pirandello. Auditions will be held in Rano Auditorium at the following times: Mon., Feb. 26, 7:00-9:30 pm; Tue., Feb. 27, 7:00-9:30 pm; Sat., Mar. 3, 2:00-4:30 pm. See www.cals.caltech.edu/~tacit for related information as it becomes available. The show will be performed during the spring term on three consecutive weekends beginning May 25.

Caltech Alpine club and REI present the best films and videos from the 25th Anniversary of the Banff Mountain Film Festival. Exceptional mountain stories to life when they come to Caltech’s Baxter Lecture Hall at 7:00pm on March 28th, 2001. This year’s selection includes: The Sahara’s Secret Garden a film which explores a secret canyon in the North of Chad, in the heart of the Sahara Desert. This forgotten mountain massif shelters a flora and fauna of breathtaking beauty. Even today, access to the Ennedi Massif is difficult and few are the few who have been privileged enough to penetrate the heart of this astounding massif. Quarter’s Fall: A Wilderness Adventure - traces the destruction of a calls V rapid leading to a federal investigation; and a variety of skiing, kayaking and rock climbing films. See our website for the full lineup: http://www.events.caltech.edu/alpine

Tickets are $6 for Caltech students, $8 advance, $10 at the door available through 1-888-2CALTECH or REI. Arcadia 626-447-1062. Check out the exhibitors faire at the fest, with REI, the Sierra Club, Outland and others. Raffle for cool stuff included with the price of admission.

### Scholarships

**The Financial Aid Office has applications and information on the following as well as additional undergraduate scholarships. All qualified students are encouraged to apply.**

You can access the forms at http://www.cals.caltech.edu/aid or [michelle@hss.caltech.edu](mailto:michelle@hss.caltech.edu).

**The American Electroplaters and Surface Finishing Society (AESF) is offering scholarships to upper class undergraduate and graduate students who are interested in careers in the surface finishing field. Applicants must be full-time and majoring in chemistry, chemical engineering, materials engineering, materials science, metallurgy, or metalurgical engineering. To apply, applicants must submit an application form, statement describing career objectives, list of educational achievements, official transcripts, and three letters of recommendation from teachers, employers, or professors.**

Applications are available in the Financial Aid Office. Please send complete application materials to AESF Scholarship Committee, Attn: The American Electroplaters and Surface Finishing Society, Central Florida Research Park, 12644 Research Parkway, Orlando, FL 32826-1298. Entries must be submitted to the AESF Scholarship Committee by April 15, 2000.

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