



Vidya uncovers stories
of Tech's past from
Caltech security.

see page 7



"Gosh, how can we exploit
women in this issue of the
Tech?"—The Editors

see page 8

THE CALIFORNIA TECH

VOLUME XCVIII, NUMBER 10

PASADENA, CALIFORNIA

FRIDAY, 22 NOVEMBER 1996

Making of US history reminisced in Cronkite's appearance

BY RON DOLLETTE

To inaugurate the Lee Alvin DuBridge Distinguished Lecture Series, Caltech hosted "A Conversation with Walter Cronkite" at Beckman Auditorium on Monday, November 18. Walter Cronkite, from his humble beginnings as a part-time campus correspondent at The Houston Post, was once described as "the single most convincing and authoritative figure in television news." Eventually hired by the United Press during World War II, Cronkite also became the ultimate foreign correspondent, "always where the action was." He was present at the Battle of the Bulge as well as the German surrender and the Nuremberg trials. Cronkite has reported on virtually every major event and important person of the second

half of the 20th century, including personally interviewing every American president since Herbert Hoover.

The night began when Jess Marlow, a news anchor for NBC 4 and the moderator of the evening's conversation, asked Cronkite his feelings about David Brinkley and Brinkley's remark calling President Clinton "boring" on national television during the presidential debates. Cronkite's response was, "Oh poor David." Unfortunately, Cronkite also considers President Clinton to be boring, but says that Clinton was playing smart politics: the repetition of campaign ideals.

Cronkite has much experience interviewing presidents, his first being

Harry Truman. (He interviewed Hoover as a former President, but noted that Hoover was never able to communicate, and found him boring

Cronkite was still on the air. He continued to discuss other presidents, including John F. Kennedy, whose death he tearfully reported. Although Cronkite is not a big fan of JFK, and was even quoted as calling Kennedy a snob, his instant response was, "Well, he wasn't boring." He admired Kennedy's political attitudes and ideas, but was discomfited by Kennedy's arrogance.

Marlow then asked if news coverage interfered with the private life of public officials, and the response was no. Nowadays, replies Cronkite, the press is the only source for the public to know the background of their officials or nominees. Previously, party

Cronkite also states that all of our problems in this world stem from two things: overpopulation and education.

as well). He felt closest, however, to president Lyndon Johnson, though Cronkite often challenged Johnson's views on Vietnam on the air. This would instantly draw a response from the president, who would call while

SEE CRONKITE ON PAGE 6

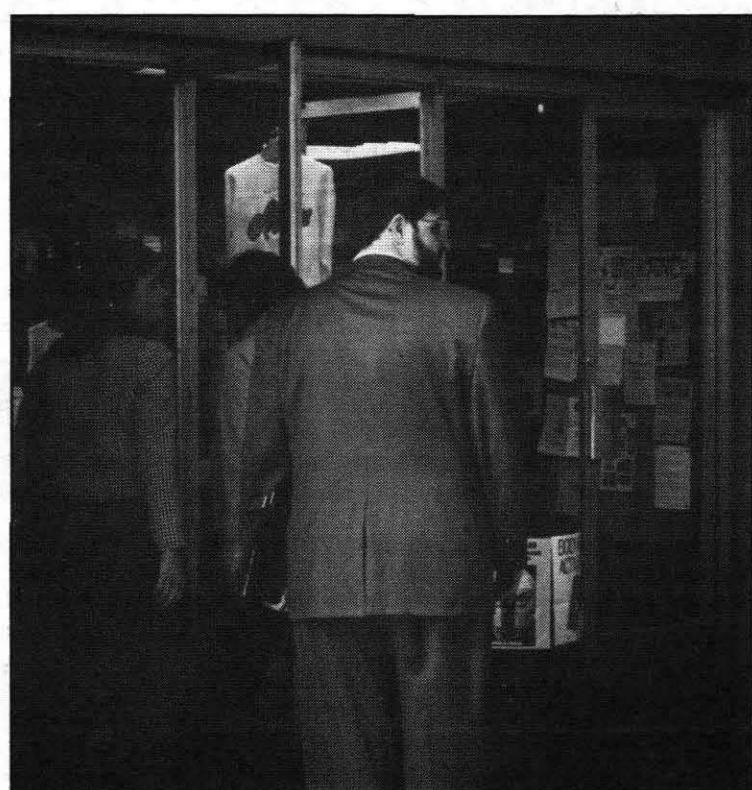
Bookstore conflict resolved

TECH FOLLOWUP:

BY ERIK STREED

Third term last year Vice President of Student Affairs Professor Gary Lorden announced that Caltech would be entering into a partnership with the College Bookstore division of Barnes and Noble to operate the Caltech Bookstore. The partnership was to be accompanied by an expansion and remodeling of the Caltech bookstore over the summer, almost doubling the floor space.

This unexpected announcement caused alarm among the Caltech community and the subsequent protest caused the imposition of a two week moratorium on the deal and the creation of a faculty committee to review the matter. Issues raised included Barnes and Noble's previous history running other college bookstores and if the economies of scale provided by a national chain would benefit a bookstore which sells many books in small quantities from small publishers. In addition, concerns were raised that bids were not solicited from other organizations, including the current bookstore manage-



Panel offers alternatives to "traditional" Caltech careers

BY KERRY ETHERIDGE

The Student/Faculty/Alumni Relations Committee of the Caltech Alumni Association is sponsoring the first in an annual series of career panel discussions on Thursday, December 5, beginning at 7:30 p.m. in the Salvatori Room, South Mudd (north entrance). Panelists will discuss a variety of topics including: what factors to consider when contemplating a non-traditional career; what you need to know about your future employer; what your future employer needs to know about you; and how to effectively utilize informal, short-term interactions, i.e. Career Day.

Panel members include Thomas H. Buettgenbach PhD '93, Engagement Manager, McKinsey & Company, Inc.; Debra Dison Hall '74, Partner,

Corporate Department, Allen, Matkins, Leck, Gamble, and Mallory; Nancy L. Krehbiel-Brownell '83, Staff Physician, Millikin Medical Center; and Edward M. Lambert '82, Managing Director, Meridian Ventures, Inc. William M. Whitney '51, Technologist, Observational Systems Division, Jet Propulsion Laboratory, will moderate the discussion.

The SFAR Committee would like to know of other topics that might be of interest to students for future career panels. If you have any thoughts on what you would like to hear, contact Kerry below.

All students are welcome. Light refreshments will be served. If you would like to attend, please RSVP by December 3 to Kerry Etheridge at ext. 6852 or kerry_etheridge@starbase1.caltech.edu.

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Barnes and Nobles, not so fast.

ment. The bookstore management had previously won a Caltech award for being most representative of the Caltech Community.

On July 26 a memo was sent from President Thomas Everhart to the Caltech Community stating the conclusions of the Faculty-Administrative Committee with regards to the Caltech Bookstore. Bookstore oversight was transferred to the Vice President of Business Affairs from Student

Affairs Office. In addition, Auxiliary and Business Services was created to consolidate Caltech's business operations and gain the advantages of economies of scale previously sought out in the Barnes and Nobles partnership. Auxiliary and Business Services is directed by Tom Manion and merges his previous duties operating the Housing Office, Day Care, and Campus Card Systems with running the Caltech Bookstore.

Clinton did not deserve reelection

BY NEIL STEVENS

George Washington is dead. He has been dead for a long time, and he will never come back. Yet, that is not the sad part. As shown by the recent election, the national ideals that elected him president are gone as well, and may never return.

Washington was seen as an example for the people. He led the nation militarily, spiritually, and politically during his career. He is the only person to have won all of the electoral votes. Even Mondale won a few electoral votes, but nobody took any from Washington.

President William Clinton is none of these to the American people, yet he was elected anyway. Why? Not because he lives the morality of most Americans. Not because he has promises (middle class tax cut,

was not hurt for it. Our standards of leadership have fallen so far that we elect someone, even though we know he doesn't believe in his acts.

Most notably, Clinton told Democrats that he would re-reform welfare if given a Democratic congress. Yet the bill was signed with much fanfare, and optimistic speech. In the background, though, Democratic leaders were denouncing the bill. It's not as if liberals had no choice in the polls, though. Clinton was only one of several options. Ralph Nader is a

household name, supports the same issues more strongly, and yet received few votes. It's a no-brainer to vote the party line, and that is what has resulted. With so much out there to choose from, how could people vote for a man whose stance is as ephemeral as the wind?

We have no need for a bridge to the past or the future. We live in the present, and now is no time to play around. Hopefully, the next four years will bring success and serenity for the nation, but if not, no one in government is to blame. The people have made a choice, and we must stand by him. All that is left is to think, and evaluate how we think. George Washington may be gone, but we can still elect modern heroes: military, business, or whatever. The presidency is the pinnacle of the government, and we must choose people worthy of the office.

Neil Stevens is a student at Caltech.

With so much out there to choose from, how could people vote for a man whose stance is as ephemeral as the wind?

gays in the military, national health care). Not because of a strong economy ("downsizing" has become a household word in the last 4 years). Why? People think he's done "OK," and because Dole and Perot were "no better." This is ridiculous. The President, as the Head of State, represents Americans to the world. Thus, we should elect a president that is like us morally, as well as politically. Every time the President breaks a moral or other law, it hurts the nation. Why not elect someone that acts as we act? Hillary Clinton forgave her husband, but would most wives act likewise? Probably not. Then why should the nation forgive the President?

Our standards of leadership should be higher. Politically, Clinton represents few people. So-called liberals, as well as conservatives, have major differences with his actions. From gun control to welfare reform, the President has taken a firm stance on both sides of the fence. Yet, in this modern election, he

LETTERS TO THE EDITOR

Course rescheduling makes for sleepy upperclassmen

Dear Editors,

Next term Chem 1 will have an additional hour of lecture every week. Currently this is scheduled for 9 a.m. on Friday. To prevent conflicts with the new Chem lecture, the Friday hour of Math 5 (currently held at 9 a.m.) is being moved to 8 in the morning. While this is fine for early risers, I value that extra hour of sleep, and will miss it sorely.

It seems rather silly to move Math 5 because of a Chem 1 lecture. In theory, Math 5 is not a freshman class, and thus its scheduling should not be affected by the freshman core. Although it is true that there are a few freshmen in Math 5, there are also freshmen in Chem 3a, Phys 12, Math 2, and AMA 95—all of which conflict with part of the freshman core. Conflicts of this type are inevitable, and certainly no reason to steal that precious hour of sleep from all of us in Math 5.

If the Math 5 lecture must be moved, why not change its date instead of its time? Moving it to 9 on Tuesday or Thursday would eliminate all conflicts with the core. In addition, the only other math course scheduled for either of these time slots is Math 120,

which has Math 5 as a prerequisite—so this change would not inconvenience math majors.

ERIN LYNCH

The Tech: it's Good

Dear Editor:

You know, sometimes I hear things said about the Tech. Mean things. Things that people may think may not get back to the editors of your fine paper. Things that hurt. I just needed to tell you, you know, that's really one heck of a paper you make. I mean, I know how much time you put in. I know how little money you make just because those stupid, mean teachers won't ever vote to raise ASCIT dues. And how long you have slaved over the paper, trying to improve it. And I know it must hurt to hear those meanies say such things about the Tech. And about how everyone around you just doesn't measure up to your talent.

Man, I'm there for you. I guess I have to be since I am you. I just had to write to say, I love me. It'll work out. One day they'll know. When I knife them in bed, maybe. But my paper is good. And that's all that matters.

I love me man!

TERRY MORAN
EDITOR,
CALIFORNIA TECH

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LIBRARY SERVICES DURING MOVE TO THE SHERMAN FAIRCHILD LIBRARY

- Moving crews will be working in Millikan and the Branch Libraries from **Monday, December 9** through **Friday, December 20**.
- Some floors in Millikan may be closed temporarily while the movers are working. Notices will be posted by the elevators.
- After December 8, information materials in the engineering branch libraries will not be accessible but may be requested.
- Document Delivery and Interlibrary Loan services will be available as usual. Requests for engineering materials may be delayed somewhat during the move.
- The Sherman Fairchild Library will open on January 2, 1997.**

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The Outside World

by Myfanwy Callahan

ISRAEL —

In an incident reminiscent of the Rodney King beating, two Israeli officers were captured on videotape beating and kicking Palestinians near a checkpoint outside Jerusalem. They were arrested Tuesday and have been declared unfit for the Israeli security forces.

RWANDA —

Clinton has scaled back his plans to dispatch 4000 U.S. troops to Rwanda upon hearing the news that over half a million refugees have returned peacefully to their country. Now at most 800 troops will be sent to assist a Canadian-led operation to distribute food to the remaining refugees.

NEW YORK —

Boutros Boutros-Ghali, United Nations Secretary General, was favored 14-1 in a vote to continue his service as Secretary General. However, the U.S. veto nullifies a majority vote. Boutros-Ghali has sought and been denied a conference with President

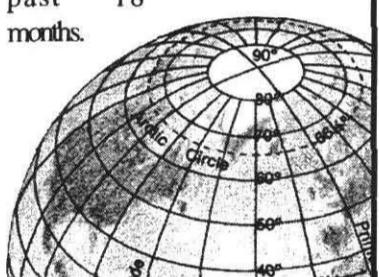
Clinton about the matter.

WASHINGTON, D.C. —

Harold J. Nicholson of the CIA was arrested on Saturday for selling secrets to the Russians. It is believed that he sold the names of all the graduates from the CIA training school, Camp Peary, for 1994, 1995, and half of 1996. This school provides a year long graduate seminar in espionage.

WASHINGTON, D.C. —

The Federal Government has agreed to pay \$4.8 million as compensation for the secret cold war experiments involving the injection of plutonium or uranium. This decision was based upon the recommendation of the President's Advisory Committee on Human Radiation Experiments that studied the affair over the past 18 months.



Y news

by Brady Honsinger

- The Caltech Y is sponsoring a noon concert today in the Winnett Quad. Show up to see the Pasadena band 'Snotty Scotty and the Hankies'. No, I don't know how they came up with their name, but you should

Caltech Y Broomball Pairings

1	11:00-11:15	1 vs 2	8	1:20-1:35	2 vs 3
2	11:20-11:35	3 vs 4	9	1:40-1:55	4 vs 5
3	11:40-11:55	5 vs 6	10	2:00-2:15	6 vs 7
4	12:00-12:15	7 vs 8	11	2:20-2:35	8 vs 9
5	12:20-12:35	9 vs 10	12	2:40-2:55	10 vs 11
6	12:40-12:55	11 vs 12	13	3:00-3:15	12 vs 13
7	1:00-1:15	13 vs 1	14	3:30-4:00	#1 vs #2

Winners will be determined by win-loss record, points scored—points scored against and style points.

dinner for two at the Ath. Sign up at the Y today!

- Broomball is this Saturday, Nov. 23 from 11 p.m. to 4 a.m. at the Pasadena Ice Rink. We have an extra hour of ice time, so all the teams who signed up will be able to play. If you've signed up a team, you need to make sure that your fees are paid and that all of your team members' release forms have been turned in by 5 p.m. today, or your team won't be able to play. The schedule (subject to revision) is as follows:

1. Claymation
2. Blacker
3. Carl Anhalt
4. Damn Scurves
5. Mike Westover
6. Kiran Shekar
7. Sean Suchter
8. Da Steubs
9. Rolf Kaiser
10. Big Red Machine
11. Ice Weasels
12. A Very Fine House
13. Lloyd

The Dirty Engineers

A SONG FROM THE 1933 LITTLE T

We are the dirty engineers
The engineers who have no fears
But after all, we're proud to be
An engineer of C. I. T.

E. to the x, dx, they shout
The Beavers in, the Bruins out
Pomona's feathers in the pail
We've got the Tiger by the tail.

The marvels of the ancient day
And Horner's most elusive way
And Isaac Newton's juicy fruit
Has nothing on our "Instipoot."

Old Noah built a mighty ark,
He laid the keel in Tournament Park,
But didn't know how to make it steer
So he had to call an engineer.

Inspiring scenery comes to view
The dormitory's muddy hue;

Apollo in his birthday suit,
The Great God of the Institute.

The pool out near the physics lab,
To bathe the frosh when they are bad
Is something new we like to see,
It shows a sense of pur-i-ty.

It surely was a glorious day
We brought our books and came to stay
But multiply that joy by eight
Upon the day we graduate.

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phone: (818) 395-6153
advertising: (818) 395-6154
e-mail: editors@tech.caltech.edu
advertising: adv@tech.caltech.edu
ISSN 0008-1582

VOLUME XCVIII, NUMBER 5
18 OCTOBER 1996

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Gumby

Editors
Shay Chinn
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Terry Moran

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CONTRIBUTORS
Grace Yang
Bradley Brady

APPENDIX
Hall Daily

Published weekly except during vacation and examination periods by the Associated Students of the California Institute of Technology, Inc. The opinions expressed herein are strictly those of the authors.

Letters and announcements are welcome. All contributions should include the author's name and phone number and the intended date of publication. Submit copy (preferably on Macintosh 3.5" disk) to the Tech mailbox outside SAC room 40, or e-mail to editors@tech.caltech.edu. The editors reserve the right to edit and abridge all submissions for literacy, expediency, etc. All articles are the property of the authors. Authors and columnists retain all intellectual property rights. Articles received in nonex format will not be accepted.

Annual subscriptions to *The California Tech* for domestic delivery are \$28 for First Class Mail, \$12 for Standard Mail.

Printed by News-Type Service, Glendale.

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Hope to see you soon at Avery House.

n o w hear this.

No Talking, Just Head

BY RON DOLETTE

Interesting is one way of putting it. *No Talking, Just Head* is the title of the new album from The Heads. Jerry Harrison, Tina Weymouth and Chris Frantz from the Talking Heads have ditched David Byrne and gotten together with some interesting guest vocalists (Michael Hutchence, Ed Kowalczyk, Debbie Harry, Johnette Napolitano, etc.) for

a very interesting album.

No Talking, Just Head is a collection of songs that range from "alternative" rock to some weird techno-synth pop amalgamation. It's very different from your run-of-the-mill Talking Heads. Be warned: some of the more funky synthesized songs are repetitive to the point of utter annoyance. And that sucks. It seems like the album would stand better if it weren't for songs like "No More Lonely

Nights." As the front of the shrink-wrapped CD specifically indicates, "This is not a Talking Heads album."

The musical styles on *No Talking, Just Head* are so varied that the album is very difficult to categorize. All of the singers that appear on the album wrote their own lyrics. For example, Debbie Harry's "No Talking — Just Head" not only gives the album its title, but reinforces her Blondie character's stereotype. (This track also appeared on the soundtrack of the film *Virtuosity*, and its hook was used by NBC TV as a bumper throughout the Olympics.) As a result of the vocal and lyrical tossed salad, the album, in Harrison's words, "isn't like a soundtrack album. It has the great consistency and yet great variety at the same time."

Dispelling the shadow of the Board of Control

BY MATT TISCARENO

When we had open "BoC Talks" in the student Houses during third term last year, one of the most frequent suggestions/criticisms we heard was about the secrecy that surrounds the Board of Control. Many people don't know how the BoC operates, and thus have a difficult time judging whether it is doing the right thing. This article is an attempt to remedy this situation in the eyes of the students as best we can.

First, let me explain that our rules about secrecy are to protect the defendant, who may or may not be guilty. If we bring a person before the Board, whether that person is judged guilty or in-

nocent, it is not right for that person to be subjected to gossip and suspicion from his peers for the rest of his Caltech career. Though you may not do such a thing yourself, that is what would happen in the community at large if we did not protect the identities of people who appear before the BoC.

Because of this obligation (and because our bylaws forbid it), we are not able to bring you actual cases that the Board has decided. However, we can give you a case which is typical of those that have come before the Board in recent years to give you an idea of what the Board would do in such a case. Thus perhaps we can dispel a bit of the shadow that the BoC has accumulated.

While grading final exams in Underwater Basket Weaving 101, a TA notices that two tests contain remarkable similarities which he believes, make it very unlikely that the students worked independently. He tells the professor about this, and she calls x6200 and reports it to the Board of Control.

In the preliminary investigation, the Chair and Secretary interview the TA and the two students involved, Ben and Jerry. The TA then goes over the test in detail with the Chair and Secretary, pointing out the similarities in each question, and explaining why they are suspicious. Ben then testifies that he took the test on Tuesday of finals week, left it on his desk overnight, and turned it in the next day. Finally, Jerry is brought in. After being told what the Board wants to talk to him about, decides to confess that he took his final exam Tuesday night, but realized that he had done extremely poorly on it, so he went into the room of his neighbor and good friend Ben while no one was around and copied the test. After hearing the preliminary testimony, the Chair and Secretary decide that an Honor System violation has likely occurred, so they bring it to a full Board hearing.

At the hearing, all three witnesses repeat their testimony to the full Board. After hearing it, the Reps (the Chair and Secretary do not vote) make three decisions. First, they decide that Jerry has committed an Honor System violation by copying his friend Ben's final exam. This must be decided by a three-quarters majority of the Reps present (a quorum is seven of the nine Reps being present).

The second decision is the nullification of the unfair advantage. Although Jerry did take the test on his own, he never turned in his own work, so the board thought that allowing that test to be submitted and graded now would be unfair both to other students who tried to submit late work, and to the grading TA. Rather, since all of the submitted test was copied, the Board removed credit for the entire test. While there may or may not be suspicion that Jerry cheated on other work in the class, there was no conviction relating to that other work, so the Board gave him the benefit of the doubt.

The third decision the Board makes is the protection of the community from further violations. Both nullification and protection decisions are made on a purely pragmatic basis, fulfilling only their defined purposes, and have no element of deterrence or punishment.

SEE BoC ON PAGE 3

A.S.C.I.T. Minutes

NOVEMBER 14, 1996

Rag Time on Green

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Present: Dave R., Maria, Dave B., Grace, Kristie, Alexis, Emily, Kohl, Kara

Meeting starts at 9:44 p.m.

• ASCIT would like to thank President Everhart for the lovely dinner and the chance to discuss student concerns.

Officers' Reports

• Kara is busy with the UROH. She asks that the faculty include the number of people that they are willing to hire in their letters.

ACADEMY BARBER SHOP

27 N. Catalina Ave., Pasadena
Open Tues.-Sat., 7 A.M.-4 P.M.
(818) 449-1681

• Emily is trying to form a schedule of the open-campus social events the individual houses are having.

• Kohl declares that the ARC meeting was held Saturday at 3p.m. They talked about the Student-Faculty Conference.

• Maria said that the BoC is going to hold an open business meeting soon, so if you have any complaints, keep your eyes open for it.

• Dave R. told us that the entire University of California system is supporting FUNC (Forget U.S. News Coalition). ASCIT passed a resolution supporting FUNC 8-0-0.

Meeting adjourned at 11:03 p.m.

Respectfully submitted,
Grace Yang
ASCIT Secretary

The Caltech - Occidental Concert Band

will present a
free concert
featuring the music of
Sousa, Holst, Tchaikovsky,
Shostakovich, Gershwin
and
conductor Paul Asimow
and
tuba soloist, Brad Dooley
on
Friday, November 22
at 8:00 PM
Beckman Auditorium
Caltech
for further information
please call (818) 395-4652

Women in Science Dinner Series with Ann Miguel (December 2, 1996, 7:00 pm)

Ann Miguel is a Visiting Associate Professor in Environmental Engineering here at Caltech. She will be discussing her research on indoor pollution and her experiences working as a scientist in Brazil. Please join us in the Women's Center for dinner and discussion. (RSVP required at x3221)

by Scott Adams

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PAN-ASIAN JOB FAIR

CRONKITE interviewed

CONTINUED FROM PAGE 1

bosses basically controlled nominations and maintained a screening process which weeded out those with potentially shady backgrounds. Currently, though, everything has been more popularized and democratized, largely because of television.

However, Cronkite pointed out that as the use of television in campaigning goes up, voter turnout goes down. Negative advertising plays such a large role in the minds of the voters. Cronkite recalled of one election in a New Jersey district where the mudslinging was so bad that he felt that neither one was qualified.

Cronkite, however, feels that television and other media are very powerful tools and should be used constructively so that people can reconnect with politics. He suggests a system in which the three major networks, as well as other minor cable networks, would give air time

SEE CRONKITE ON PAGE 11

every night to a single candidate. Each night, a candidate would appear on the networks simultaneously and have some air time to campaign. For example, Bill Clinton would appear on Monday, Dole would appear on Tuesday and respond to what Clinton said Monday, then Clinton would retort on Wednesday and so on. It would create a running dialogue or debate that wouldn't be as fraudulent, to use Cronkite's words, as an on-stage joint appearance. In fact, Cronkite stated that he would like to see the presidential nominees engage in a high-school style debate where they're given an issue to resolve and then assigned to be affirmative or negative. The nominees would then be given time to prepare their statements and rebuttals and so on, and the viewers would be given a chance to see how their nominees work and defends a point of view.

Generally, though, Cronkite is not happy with the state of television, even TV news. Not only are news stations competing for a

SEE CRONKITE ON PAGE 11

FEATURES

BoC: Why the policy of secrecy?

CONTINUED FROM PAGE 4

whatsoever. The Board spoke with Jerry about his violation, gauging his attitudes toward it and the likelihood of his committing another violation in the future. The Board also considered the severity of the offense and the fact that it was his first violation. Protection decisions are made on a case-by-case basis, so I can't say in an abstract what decision would have been made. It is possible that the Board would conclude that Jerry can be trusted to return to the Caltech community right away, perhaps prescribing one or more personal "BoC Talks" to ensure that he adequately understands what the Honor System is about. Or it is possible that the Board would conclude that Jerry suffers from excessive pressure from his classes at Caltech, which eventually motivated him to cheat, and needs to take some time off to dispel some of that pressure. A leave of one or two terms might be recommended. Other courses of action are also possible (protection decisions can be quite unpredictable), but these are the most likely, given the facts of the case.

A day or two after the hearing, Jerry met with the Dean, who spoke with him about the case, and finally upheld the Board's decisions.

Okay, so that was an easy one, but it does happen — perhaps more than you think. I hope this article has made you feel a little less clueless or fearful about the BoC. Let me know what you thought by e-mailing mst@cco, and direct any questions or discussion to your friendly local member of the Board of Control.

Attendance figures for the 1996-7 BoC:

Representative	Percentage*
Jon "Marty" Allen (Bl)	77%
Luke Weisman (Da)	94%
Brian Bircumshaw (Fl)	86%
Frances Siu (Li)	85%
David Purdy (Pa)	92%
Benjamin Mok (Pa)	40%
Jennifer Holland (Pa)	—
Barbara Novak (Ri)	94%
Mory Lucas (Ru)	93%
Mina Leung (At-Large)	94%
Noah Malmstadt (At-Large)	100%

* Percentages are cases that a Rep heard divided by cases that he or she was eligible to hear. Variations in the latter are a result of 1) differences in time served as a Rep, and 2) a Rep being unable to render an unbiased judgment, usually because of personal knowledge of the defendant, and being dismissed from the case.

The Board of Control will be holding an open business meeting to discuss its procedures and other issues of relevance to the Honor System. We welcome you to attend, especially if you have proposals for us, or would like to comment on proposals that are brought up by other people, or by the Board itself. The meeting is tentatively planned for Monday, December 3, at 8p.m. More details will be announced shortly.

Questions? Contact Maria Satterwhite (mariabs@cco, x6200), Matt Tiscareno (tisco@ugcs, x6236), or your local BoC Rep.

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Women's Health:
(December 5, 1996, Noon)

Paula Swinford will be joining us again for a continuation of last months discussion on issues surrounding sexual intimacy. If you did not join us last month please feel free to do so this month.

Lunch will be served to those who make a reservation at x3221. This program will be held in the Women's Center.

Offer expires January 19, 1997. No payment of interest or principal will be required for 90 days. Interest accruing during this 90-day period will be added to the principal and will bear interest, which will be included in the repayment schedule. For example, the month of October 1996 had an interest rate of 12.15% with an Annual Percentage Rate (APR) of 13.93%. A monthly payment of \$32.86 for the Power Mac® 2660 system is an estimate based on a total loan amount of \$1,913.83, which includes a sample purchase price of \$1,799 and a 6% loan origination fee. Interest is variable based on the Prime Rate as reported on the 5th business day of the month in The Wall Street Journal, plus a spread of 3.9%. Monthly payment and APR shown assumes deferral of principal and does not include state or local sales tax. The Apple Computer Loan has an 8-year loan term with no prepayment penalty and is subject to credit approval. Monthly payments may vary depending on actual computer system prices, total loan amounts, state and local sales taxes, and a change in the monthly variable interest rate. ©1996 Apple Computer, Inc. All rights reserved. Apple, the Apple logo, Mac and Macintosh are registered trademarks of Apple Computer, Inc. Power Mac is a trademark of Apple Computer, Inc. All Macintosh computers are designed to be accessible to individuals with disability. To learn more (U.S. only), call 800-600-7808 or TTY 800-755-0601.

Tech urinary habits misdirected

BY LUKE WEISMAN

There are many problems with the current art and technology of male urination. One would hope that our civilization which we celebrate so vehemently would have come up with solutions for the problems which men face in the bathroom; at the very minimum one would expect that certain, simply deduced, rules of conduct would have entered into the common mind. Woefully, we have neither rules nor solutions, and we will never will have them due to a fixation on a small, occasionally useful, bit of flesh.

Men have an unhealthy love for the penis, and this is the root of most problems with urination. A penis has many uses, and for some of them it works fairly well. However, there are some things which it can not do well, and one of these things is aiding the urination process. As I see it, the male insistence on using the penis as an aid for long-distance urination is very damaging to the common bathroom.

The act of standing while urinating into a toilet is a filthy act. Pressurized liquid exiting a hole scatters, atomizes, forms a mist. In the bathroom this mist settles on nearby surfaces such as the walls and floor, the ubiquitous rug wrapped around the toilet to warm the feet, and the seat of the toilet itself (assuming the seat is down). This is bad. To make the entire act worse, the celebrated ability to aim in all walks of life from throwing rocks at

windows to hitting a baseball—the very ability often waved over the female sex as some strange proof of male superiority—does not seem to reach the bathroom.

This mist, or in some cases this misguided stream, is disgusting. The whole process is disgusting and one would hope that it would be disgusting in a small area such as the toilet bowl. No, however, it can not be for the act of being a man, urinating like a man, with the legs slightly apart, and perhaps a hand resting on the rump, with the pelvis thrust forward and a look towards the picture hanging over the toilet, is too precious to give up.

If not often cleaned, bath-

Most males deny that they 'mist' when they urinate. They point at other males, the cat, the dog, or the weather as the culprit.

rooms subject to standard male usage collect urine residue which ultimately grows stale and gives off a horrid smell. I hail from two households, one without any men most of the time, and one with. The former household does not clean its bathroom very often, and no one would notice. The latter, cleaned at least twice a week, always has the stench of stale urine. Of course none of the men living in that house say they are responsible for it; when pressed they blame it on the guests.

Most males deny that they 'mist' when they urinate. They point at other males, the cat, the dog, or the weather as the culprit. The men one talks to on the subject invariably are, according to them, the blessed few who can aim and have precise streams. I challenge them to lay absorbent paper around the toilet, urinate as normal, and examine the results. They will find little spots everywhere. A technique used by forensics experts to match specific pants to specific men is to examine the pants for urine spots; it never fails. Men are afraid of touching urine or things associated with urine and their clothing is smeared with it.

The urinator's reluctance to touch a toilet after he has used it is another problem with the 'stand and pose' style of urination. We see this reluctance in the toilet seats of male-dominated areas being either sticky or up. The former problem I will not even discuss. For the latter, I suggest, as an experiment: go into a bathroom, put the toilet seat up, and consider it. Then put the seat down and look at the new picture. There is a remarkable difference; seat up equals unsightly, crass. Seat down equals a inoffensive toilet. It is understandable why someone would not want to touch a toilet seat af-

ter urinating all over it, but it is really not considerate considering the next person who may have to paw at it so they can use the toilet as God intended.

The solution to all the above problems is simple: sit on the toilet. Very clean, very straightforward. One can take a brief break in the day, and perhaps think of England. I can think of no disadvantages, except for in public rest rooms where you have to sit on a seat which all the previous men have been urinating on. Luckily in public rest rooms there are urinals.

Urinals are besotted with their own problems, how-

ever. The main one is they all are made by malicious gnomes who carefully design

SEE URINE ON PAGE 8

WHY PAY RENT??

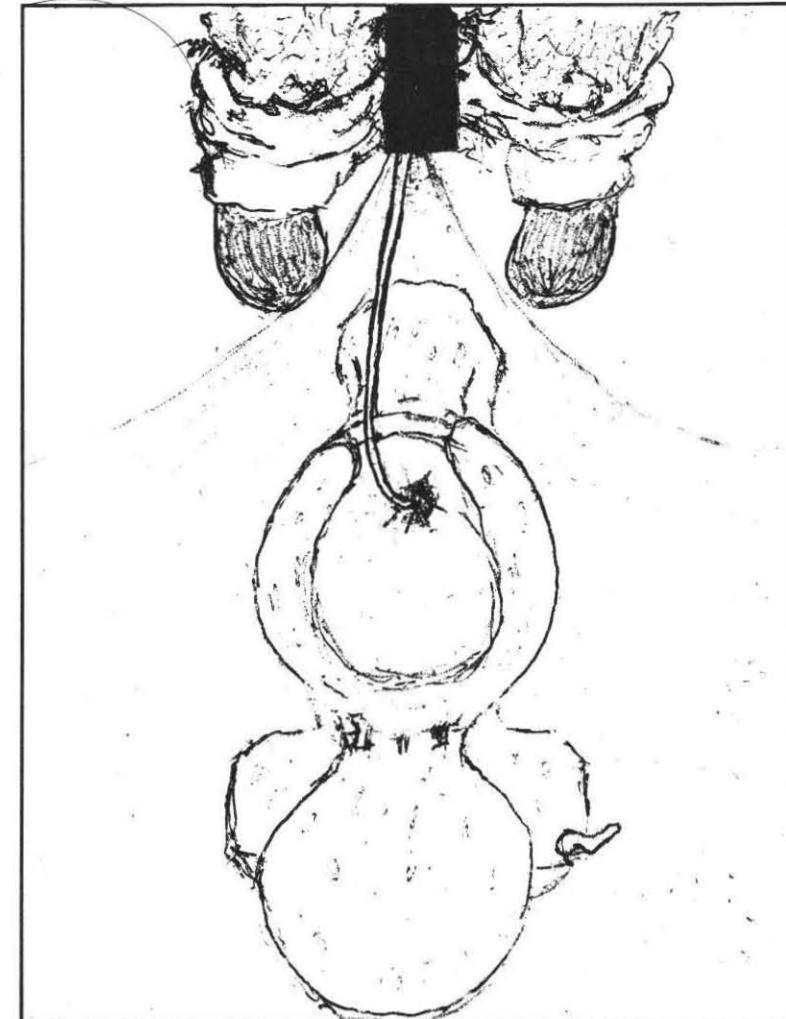
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URINE: Clearing up phallacies

Be clean! Point it in the potty!

CONTINUED FROM PAGE 7

the curved surfaces of the porcelain to reflect anything cast at them back at the person who cast it. They splash, to speak frankly. The little rubber pad at the bottom is usually a safe bet, but it too, can prove treacherous. No matter how one approaches the thing, one ends up coating one's front with tiny droplets.

The secondary problem with urinals is how they give rise to displays of manliness. I do not know how anyone could think the process of urination is manly, or even noteworthy, but many seem to think so. Often one will spy someone urinating in some perfected stance, be it a steadily rotating leg, a hand braced against the wall, or a sneer directed at the ceiling. Men will force their urine to splash loudly into the water. A random human has a hard time resisting an opportunity to look like an ass, and urinals are up

there with apples in the temptation category.

A friend of mine's primary reason for urinating while standing is that sitting

Often one will spy someone urinating in some perfected stance, be it a steadily rotating leg, a hand braced against the wall, or a sneer directed at the ceiling.

would make him "pee like a woman." I could smell the fear of castration on him. Men cling to their privilege of urinating 'like a man' because they feel standing is the final proof being a man. The good man, the real man, apparently thinks, "Ah, here I am with my *penis*. I can pee with my *penis* while standing. I can hold my *penis* and pee with it, directing the stream anywhere, it's like a fire hose, my *penis* is, and

boy isn't it cool. I love my *penis*. Those women don't have a *penis*, they can't pee standing up, I'm a man; I have a *penis*. That's why I'm better, me and my *penis*." I was in a store and I saw a game where you put little boats in the toilet and then urinate on them. This sums it up for me. I like my *penis* as much as the next guy, and I worry over its size and shape too, but I have never really attached much importance to it in connection with urination. What is the point?

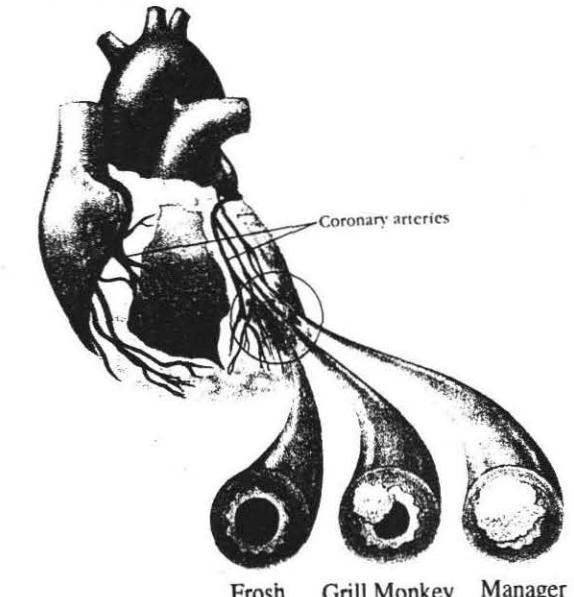
The answer is clear. Sit. It is not hard. A quick review: when approaching a toilet turn, drop your pants, and settle down. Wiggle your toes and relax a bit. Take comfort in how clean you are, and how little impact you caused in the, presumably shared, bathroom. When you get up, you will still have a *penis*, you will still be a man.

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Dean's Corner

*Petrified by Pink Slips?
Frozen in fear of finals?
Talk to the Deans.*

by Jean-Paul Revel

The frosh have had their baptism by fire. They have taken their first midterms and seen their first pink slips. For the rest of you this is so routine by now, you don't notice (at your own peril) but for the frosh this is a really scary event. Many Frosh are measuring themselves against their peers and upperclassmen and are afraid of failure.

I remember hoping before exams that I would break a leg, no, better yet, an arm, the right arm of course, so that I would not be able to write and thereby avoid the exam. What a relief that would have been . . .

I would daydream about enjoying an evening with my short wave radio, surf-

ing the waves instead of the Web (the expression did not exist, nor did the Web). I never thought of the fact that I needed fine manual coordination for selecting the signal I wanted to listen to,

My Profs. were not really approachable in their big carpeted offices protected by hallways with creaky floors. . . .

and so breaking the right arm would not have done me much good.

Of course I never did break my arm or leg just before my exams. Even if I had it would just have postponed the agony. I would have had

to take the exam sometime later (in many cases the next year), and I would just have had more time to worry about it. That did not deter me from the wishful thinking.

All that was really a mode of procrastination. Yes it is true that one can postpone things. But postponing does not mean allowing one to escape without having to do whatever it was we had to. It only means that the thought of it stays with us, weighs on our

minds, prevents us from dealing with other things efficiently, increases the pressure. Since what has not been done today will have to be done tomorrow or the day after or later yet, along with all the other things that will have accumulated, the situation can only get worse.

In my younger days, there was no one to talk to about this. I could not discuss it with my parents; I would have been too

I remember hoping before exams that I would break a leg, no, better yet, an arm, the right arm of course, so that I would not be able to write.

ashamed to own up.

My profs were not really approachable in their big carpeted offices protected by hallways with creaky floors

and secretaries and assistants. The latter actually had to attend the Prof.'s lectures, not in the back row like many TA's do here but on chairs facing the student audience. There was one fellow we used to bet on because he always fell asleep, slumped in his chair, waking with a start, like some students in my classes over the years. There was no one to talk to not even an Advisor or a Dean or a Psychologist at the Counseling Center.

So take advantage of the higher possibilities open to you here. Talk to your advisors if you can't get things done on time, or to the Deans, it makes them feel useful.

A bientot!

*Jean-Paul
Revel*

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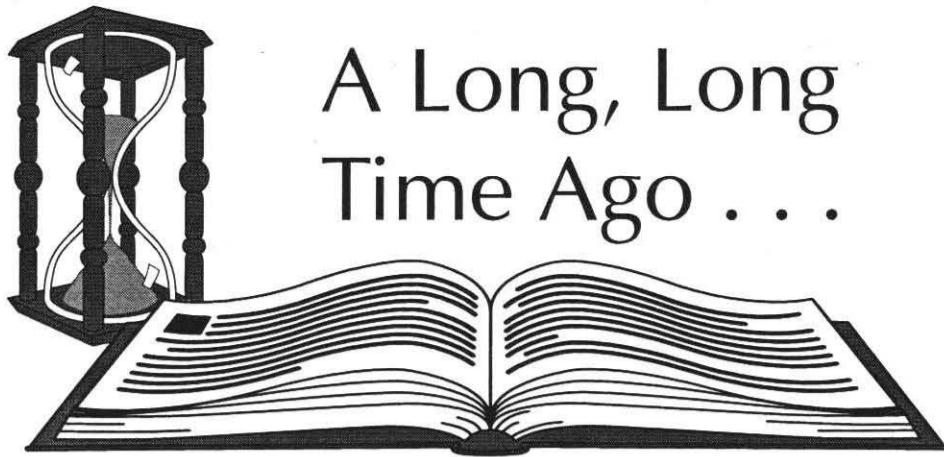
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A Long, Long Time Ago . . .

by Vidya Bhalodia

Guarding Tech

Ahh, Security...What can we say about Security...Our good old friends in blue or tan...Well anyway, regardless of what we will or can say about Security, the interesting question is: What does Security have to say about us?

Well, depending on who you ask and when, the answers range from a non committal "it is a great place" to "!@#\$%^&* grumble, mutter". Mr. George Bent, security guard extraordinaire for over 18 years, has been kind enough to share his experiences here at Tech. From electric carts to snail drops to the screen saver that does the Macarena (Do you think I would make this up, even if I could?), we go to a world few have been to and even fewer have seen up

close: the World of a Security Guard.

First impressions

On his first week on the job, way back in the late 70's, Mr. Bent had his first experience with what it meant to be at Caltech. Every evening at about sunset, he and several other officers would take the flag down. Almost every day without fail, there would be a gentleman there, who would just stand there and watch them, and talk and joke with them. After about a week or so of this, Mr. Bent asked some of his fellow coworkers about this guy. After getting more than one strange look, he learned that this gentleman was none other than the one and only Richard Feynman.

Electric carts, car chases, and other cool stuff

Every security guard had to learn to drive the electric carts for which they are most famous. Usually it is not a terrible process, and all goes well. However, for the inexperienced there is always potential for trouble. Mr. Bent learned this the hard way, when he found himself stuck on the walkway north of Church. After many attempts to back up, he finally succeeded, only to find that the engine had become "somewhat warm"!

Students as well have taken advantage of several opportunities to drive the carts. One day, near the end of third term, some-

one found an unattended electric cart and had cut donuts in the newly planted grass on the Court of Man. Best of all, it was just before commencement! Needless to say, more than several people were somewhat annoyed.

Another occasion that came to mind was a good old fashioned car chase through campus - in slow motion (imagine cars going at 90 mph along the olive walk). One afternoon, the security office got a few complaints that there was a car driving through the campus. Well, basically, security went after him (well what did you expect), and after a little bit of a chase, the

Once, a student [led] a group of elderly people from a concert at Beckman Auditorium to a reception at Noyes ... through the steam tunnels.

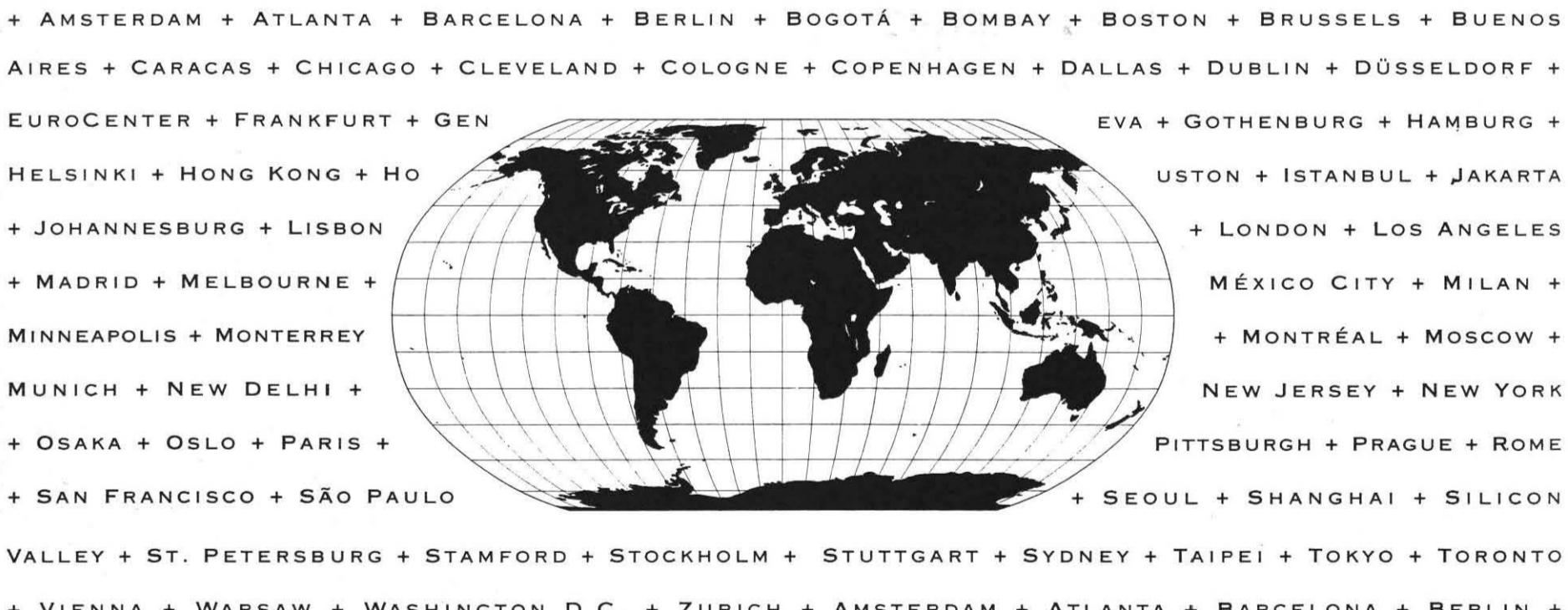
car got stuck on the stairs near North Mudd, and the police caught him. It turned out to be nothing more than a random but very lost and confused person (or so they say).

This is the last car story, I promise. Mr. Bent also recalls the somewhat better known incident of when a student's car miraculously appeared on the top of Physical Plant. As a car is not the easiest of things to smuggle onto the rooftop of any building, I at least wondered how the students managed to get it past Security or Physical Plant. Mr. Bent finally clued me in to the secret. I'll tell you if you promise not to tell anyone. Security and Physical Plant knew all about it, and even helped!

Houses

One of the problems that Mr. Bent encountered as a security guard was that students in the houses would often organize strange and not entirely acceptable events (alley challenges etc.) One of the RA's in the houses (Despite repeated requests, he did not identify either the house, the RA or the years) was almost as "wild" (his description not mine) as the students, and organized alley challenges such as a snail-drop off of Millikan (and you thought that the Pumpkin Drop was bad). Finally, Mr. Bent was able to put an end to the problem, using the most reliable resource available:

CONTINUED ON NEXT PAGE



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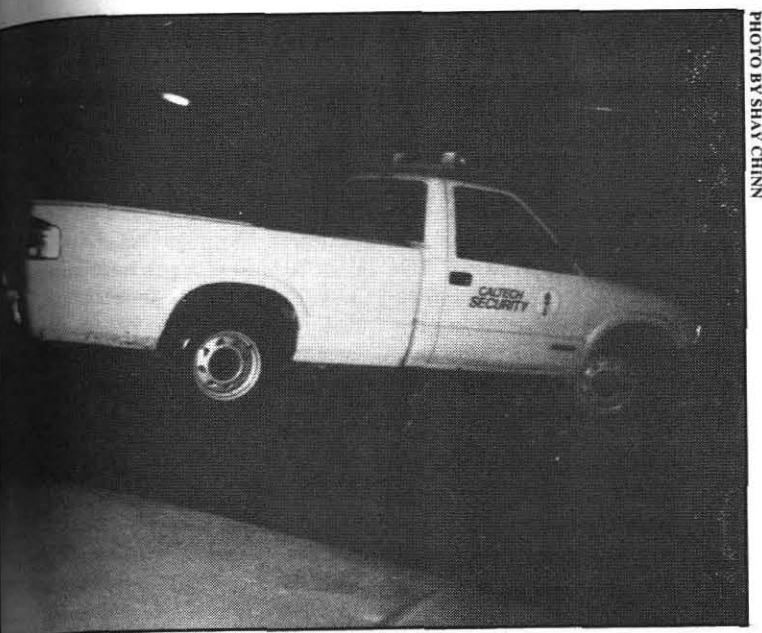
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FEATURES

CRONKITE: Supporting science



CONTINUED FROM PAGE 6

smaller audience, but the industry is hurting financially as well. The effects of downsizing are clearly felt in the quality of news broadcasting in America, especially in foreign correspondence. He feels that we need to know what's going on outside our borders, but with an American perspective, from an American reporter, not from a foreigner relaying information to us. He was one of the earliest journalists with an interest in science, particularly space science.

Walter Cronkite is considered the authority on this country's space program and considers the lunar landing the high point in American history in the 20th century. He feels that the basic sciences need more support, like the applied sciences are getting. However, he knows that government support will only

be handed out if there is a potential for military use. For example, the Air Force is now studying the *aurora borealis*,

the asteroid is in the daylight sky; it will not be visible until 1998.

To end the evening, there was a question and answer period in which Cronkite fielded such questions as "who is the most intriguing person you've ever met?" or the question of whether or not world peace could be realized. He responded to the first question with Egyptian leader Anwar Sadat and Eisenhower. His response to the latter was that it cannot as long as the US continues to be the world's biggest arms supplier.

Cronkite also states that all of our problems in this world stem from 2 things: overpopulation and education. However, he states that science and technology are our salvation, as long as we develop a studious political and economic program that can keep up with the science of the day.

A security truck rests in the parking structure.

CONTINUED FROM PREVIOUS PAGE

he talked to the RA's wife.

Tunnels

Tunnels are, for many, a staple of the Caltech experience. (Not that we are encouraging you in any way to go down there.) At various times throughout his years here, Mr. Bent has had to patrol the tunnels. However, he firmly states that it was not with the intent of catching students. It originated with the complaint of food disappearing from various kitchens. Investigation led to the discovery of the somewhat tragic problem of homeless people taking up residence in the tunnels. Fortu-

nately, that problem has not come up very recently.

However, in years past, students have (with administrative approval, of course) held parties and other activities in the tunnels. Once, a student was leading a group of elderly people from a concert at Beckman Auditorium to a reception at Noyes. As it was a tiny bit chilly outside, he decided to lead them through the steam tunnels. Needless to say, Security got more than a few complaints.

Anyway, the Security guys I talked to seemed pretty nice and cool, so talk to them if you get the chance.

Science and technology are our salvation, as long as we develop a studious political and economic program that can keep up with the science of the day.

the Northern Lights, and its effects on missile launching and trajectory.

As a slight pseudo-intermission to the conversation, Dr. Eleanor Helin from JPL was on hand to announce that an asteroid discovered 6 years ago at the Palomar Observatory has been named "6318 Cronkite." Currently

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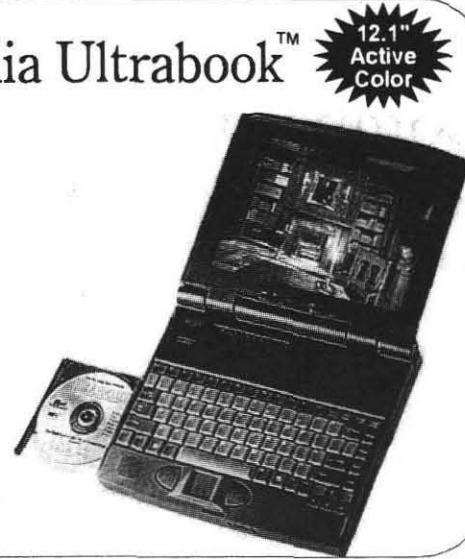
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Announcement

The Health Center will be closed beginning Wednesday, November 27th to Monday, December 2nd at 8:30am. When the Health Center is closed students may go to the Huntington Memorial Hospital Primary Care Facility (walk-in hours: 10:00am - 9:15pm; phone: (818) 397-8505) located at 100 W. California Boulevard, or call Dr. Stuart Miller at (818) 584-2421 (Please tell the operator that you are a Caltech student). For medical emergencies please go directly to Huntington Memorial Hospital Emergency Room at the above address.

The Provost is currently seeking nominations for the **Richard P. Feynman Prize in Teaching** from faculty, staff, students, and alumni before **December 1st**. The Feynman Prize 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. A letter of nomination and any supporting material should be directed to the Office of the Provost, Mail Code 206-31.

Events

This week's **ASCIT movie** will be *Citizen Kane*, showing at 7:30pm and 10pm in Baxter Lecture Hall. Admission is \$2 for members, \$2.50 for non-members.

There will be a free concert by the **Caltech-Occidental Concert Band** this Friday, November 22, at 8 PM in Beckman Auditorium. This free concert will feature the Caltech - Occidental Concert Band, directed by William Bing. Also conducting on the program will be Paul Asimow, a graduate student in Geology. The soloist for the evening will be tuba player Brad Dooley, a graduate student in Aeronautics at Caltech. The program will include

Tchaikovsky's "Swan Lake" Ballet, Gershwin's "Preludes," Shostakovich's "Jazz Suite No. 2," and Sousa's "Suite." Refreshments will follow the concert.

The **Reduced Shakespeare Company** will present "**The Bible: The Complete Word of God (Abridged)**" on Saturday, November 23rd, at 8pm in Beckman Auditorium. Tickets start at \$19; student price is \$5, Caltech/JPL personnel \$16.

The **Caltech Ice Hockey team** will be hosting UC San Diego on Sunday, November 24th, at 11:30am at the Pasadena Ice Skating Center (across from the Plaza Pasadena in the Convention Center Complex). Admission is free.

Mike Davis, author of *City of Quartz and Ecology of Sear: An Account of Los Angeles' Recent Trials by Riot, Earthquakes, Flood, and Fire* (forthcoming) and scholar at the Getty Research Institute, will be giving the next Science, Ethics, and Public Policy Seminar entitled "**Dialectic of Ordinary Disaster**" on Thursday, December 5th, at 4pm in the Judy Library.

From the Counseling Center

Looking for a safe and supportive place to discuss issues such as coming out, being out, dealing with family, coping with a homophobic culture, and being GLB at Caltech? Want somewhere just to make new friends? You are invited to the **Gay/Lesbian/Bisexual Support Group**, which meets on the first and third Tuesdays of each month from 7:30pm till 10:00pm in the Health Center lounge. This is a confidential meeting and attending does not imply anything.

denotes a new announcement.

thing about a person's sexual orientation—only that he or she is willing to be supportive in this setting. The group usually discusses a particular relevant topic and then moves on to the general discussion. Refreshments are served. If you would like more information, please call x8331.

Fellowships and Scholarships

From the Fellowships Advising and Resources Office, extension 2150, e-mail lauren_stolper@starbase1.caltech.edu:

The **American Association of University Women** offers a number of fellowships to women who are U.S. citizens or permanent residents, including one year post-doctoral fellowships and special dissertation fellowships. The international fellowship is awarded to women who are not citizens of the U.S. or permanent residents who are engaged in full-time graduate or post-graduate study in the U.S. A poster with a tear-off card that allows you to send for an application is posted on our main bulletin board.

Applications for the **Whitaker Foundation Graduate Fellowships** will be accepted from seniors and first year graduate students who plan or are studying for a Ph.D. in biomedical engineering or other engineering discipline with a concentration in biomedical engineering until **December 11th**. Applicants must be U.S. citizens or permanent residents. The application is available on the Internet as a text file and as a portable document file (.pdf) at the foundations Web site: <http://bme.www.ecn.purdue.edu/bme/whitaker>

The Department of Defense National

Defense Student Education Grants are now available to all seniors and first year graduate students; the Fellowships Advising and Resources office will receive applications by next week. The application will also be available from the Web within the next week or so at <http://www.battelle.org/ndseg/ndseg.html>. The NDSEG supports work in almost all fields of science and engineering. The NDSEG provides three years of support for graduate study. No military service or sponsorship of the Department of Defense is required of applicants. This year's application deadline is **January 15th**.

The Lady Davis Graduate and Post-doctoral fellowships and visiting professorships are tenable at Hebrew University of Jerusalem or the Technion Institute of Technology in Haifa for the 1997-98 academic year. Fellowships are open to candidates of any race, creed, sex, or nationality. Fellowships are tenable for 9 to 12 months for grad students and postdocs and for one semester to one academic year for visiting professorships. The application submission deadline is **November 30th**. Applications are available in the Fellowships Advising Office.

From the Financial Aid Office, 515 S. Wilson, second floor:

The **College Women's Club of Pasadena Scholarship Foundation** is beginning its scholarship selection for the 1997-98 academic year. To be eligible to apply you must be a woman who is a U.S. Citizen, a sophomore or higher, and have a minimum 3.0 G.P.A. Applications are available from the Financial Aid Office, and must be returned to the Financial Aid Office by **February 7th, 1997**.

The Chinese-American Educational Foundation announces its scholarship program for students of Chinese descent. Eligible students are graduate students or undergraduates who are juniors or seniors, and who will be enrolled full-time in Fall of 1997. Eligible students must also be U.S. Citizens or permanent residents. There are two \$1500 scholarships available for graduate students and seven \$1000 scholarships available for undergraduate students. The deadline to submit applications is March 31, 1997.

The **American Electroplaters and Surface Finishers Society** is offering scholarships to undergraduate juniors and seniors and graduate students who are interested in careers in the electroplating and surface finishing industry. Undergraduates must be full-time and must be majoring in metallurgy, metallurgical engineering, materials science or engineering, chemistry, chemical engineering, or environmental engineering. Applications must be submitted by **April 15th, 1997**.

Applications are now being accepted for the **1997-98 National Academy for Nuclear Training scholarships**. Scholarships are \$2,500 each and will be awarded to eligible students majoring in nuclear engineering, power generation health physics, or chemical, electrical, or mechanical engineering with nuclear or power options. Applicants must be U.S. Citizens, have minimum 3.0 GPAs, and be full-time sophomores, juniors, or seniors in 1997-98. Preference will be given to students demonstrating specific preparation for employment in the U.S. nuclear power industry. Applications must be postmarked no later than **February 1st, 1997**.

The **American Society of Naval Engineers** is offering \$2,000 scholarships for academic year 1997-98 to students who are interested in naval engineering. Applicants must be U.S. Citizens, must demonstrate a genuine interest in a career in naval engineering, and must be applying for either their last year as an undergraduate or for one year of graduate study (doctoral candidates not eligible). The deadline to submit applications is **February 15th, 1996**.

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

The **Elie Wiesel Foundation for Humanity** announces the 1997 Essay Contest for the Elie Wiesel Prize in Ethics. The essay contest is open to full-time juniors and seniors. First prize is \$5,000, second prize is \$2,500, and third prize is \$1,500. Essays must be accompanied by a completed entry form. To obtain an entry form, send a self-addressed, stamped envelope to: The Elie Wiesel Foundation for Humanity, 117 Avenue of the Americas, 36th Floor, New York, NY 10036. Essay entries must be postmarked by **January 17th, 1997**. For more information about the contest, come to the Financial Aid Office.

Women who are full-time juniors in 1996-97 are invited to participate in **GLAMOUR Magazine's 1997 Top Ten College Women Competition**. This competition recognizes exceptional achievements; the vision, determination and academic excellence of female college juniors from across the country. Winners will receive \$1,000, the opportunity to meet with top professionals in their fields, and national recognition in GLAMOUR's October 1997 issue. Applications are due **January 31st, 1997**.

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