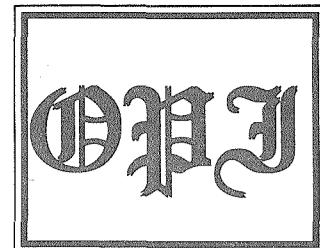


The California TECH



Volume XCVII, Number 17

Pasadena, California

Friday, February 16, 1996

Diver Liz Callaghan May Go to Atlanta for Nationals

by Clint Dodd

After a long home stand the swimming and diving team traveled to Whittier College for their last SCIAC Conference match. Liz Callaghan scored 459.85 diving points, which is above the NCAA standard for her first time in a dual meet. She needs to repeat the effort for a trip to the NCAA Championship held at Emory University in Atlanta, Georgia. "It was the best performance I've seen from a Caltech diver in seventeen years", reported Coach Dodd.

Callaghan scored 45+



Diver Liz Callaghan takes the plunge during Ditch Day '95

points on her last five dives. The high point was her second to

last dive, a massive 55.20 points for her Inward Double Somersault which scored 7.5, 7.5, 8. Liz finished the three meter diving with a Front 2 and a half Somersault for a straight 7.5 across the board for 49.50 points and 459.85 total. Diving coach Cathy Trachok was elated with Liz's performance and the way the whole group of divers scored on their first "full list" meet. Eleven dives needed to be thrown and all of the divers stepped up to the challenge. A mild upset for second place occurred as Ben Taskar out scored (284.00 to 269.15) teammate Mike Fisher on the one meter board. James

Honaker scored well, out distancing the lone Whittier diver and placing fourth on both boards. Winning both boards for the men was Phil Rodriguez with a season high score 335.55 points on 1m and 342.60 points on the 3m board. Liz's effort seemed to pull everyone along. Phil threw a back one and a half somersault, pike for scores of 6, 7, 6.5 for 42.90 points and his highest score this year. The first swim race was the 200 yard medley relay. Mike Greene, Jim Pierce, Wesley Tanaka, and Sooketto Bhuts were pressed close to the school record of 1:46.09 to win the race. The

team received the first wins of the season from Colin Humphries in the 1000 and Casey Huang in the 200 freestyle. Greene continued his great season with a fast 50 yard sprint time of 22.60 and followed it up with a fine 5:12.76 effort in the 500 yard freestyle. Another member of the team pulling in a fine season is Jim Pierce who won the 200 I.M. and a quick 200 yard backstroke with 2:06.53. Both swims would rank him high within NCAA Division III teams. Other outstanding swims were turned in by Brian Collins, Ben Wu and

SEE DIVE ON PAGE 3

Clinton Signs Bill to Censor Internet, WWW

by the TechnoGeeks

WASHINGTON, D.C.—This past week, Congress passed, and the President signed into law, the Telecommunications Decency Act, more commonly referred to as the CDA. Since that time, there has been a great deal of public outcry and discussion about the law.

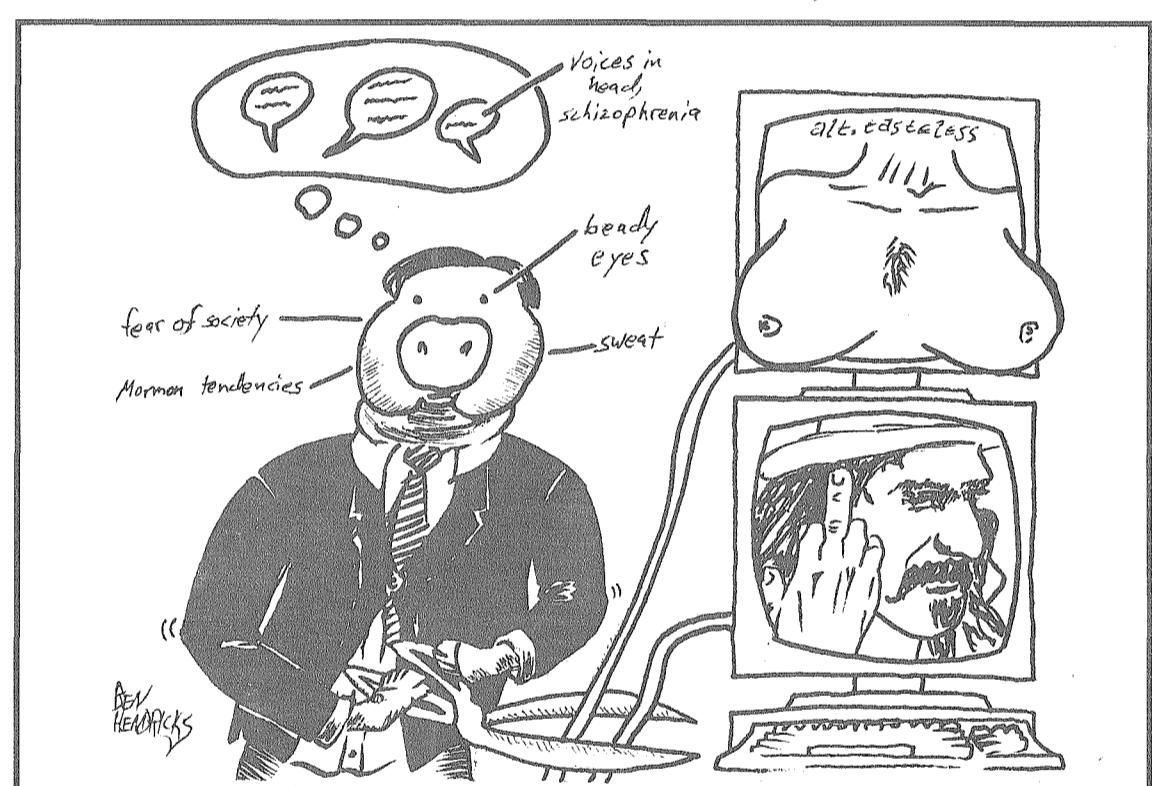
This law was designed to protect minors from "indecency" on the Internet. The proposed bill's main supporter, Senator Robert Dole (R-Kansas), was able to push his brainchild through the normally severely bipartisan Con-

gress with surprising ease after child porn was discovered on another Senator's computer. This law prohibits "indecent" material from being transmitted through the network to any site which minors could conceivably gain access to.

Refer to the box for the details of the law; below are the seven words which you cannot say on television and are therefore extended into the "broadcast" medium of the Internet:

- piss
- shit
- fuck

Section 1462. Importation or transportation of obscene matters
Whoever brings into the United States, or any place subject to the jurisdiction thereof, or knowingly uses any express company or other common carrier or interactive computer service (as defined in section 230(e)(2) of the Communications Act of 1934), for carriage in interstate or foreign commerce -
(a) any obscene, lewd, lascivious, or filthy book, pamphlet, picture, motion-picture film, paper, letter, writing, print, or other matter of indecent character; or
(b) any obscene, lewd, lascivious, or filthy phonograph recording, electrical transcription, or other article or thing capable of producing sound; or
(c) any drug, medicine, article, or thing designed, adapted, or intended for producing abortion, or for any indecent or immoral use; or any written or printed card, letter, circular, book, pamphlet, advertisement, or notice of any kind giving information, directly or indirectly, where, how, or of whom, or by what means any of such mentioned articles, matters, or things may be obtained or made; or Whoever knowingly takes or receives, from such express company or other common carrier or interactive computer service (as defined in section 230(e)(2) of the Communications Act of 1934) any matter or thing the carriage or importation of which is herein made unlawful -



- cunt
- cocksucker
- motherfucker
- tits

When asked about this, one Techer said, "It is pretty stupid." While many used other terms, that was the general feeling echoed on campus in respect to the new law. Another Techer stated "I don't feel that the majority of

America agrees with this law, it seems that Congress has gone off and passed what they wanted instead of what the general United States citizen wants..."

A person on the Trinity Broadcasting network echoed the belief that God had guided the Congress to protect the young people of America. He also felt that smut has no place in a decent godfearing society.

With the issue so polarized,

and such a large nationwide public outcry, it is unclear whether this law will be overturned in the Supreme Court or the in Congress. Many have protested the law on the WWW by changing the color of their pages from the normal grey background to black. The idea behind this protest is to show the widespread dissent against the CDA.

Children's Center Seeks Nominations for Board

The Children's Center of Caltech (CCC) was founded about 23 years ago by a group of women from Caltech and the surrounding community to provide a quality education for their preschool children. The CCC has prospered since then because of the strong commitment by a dedicated staff and the enormous help by a number of volunteers. The Board of Directors of the CCC plays the important role of establishing policy for the CCC and of monitoring the implementation of the policies, both financial and educational. There are

15 members of the Board, each of whom serves a two year term. Seven of these positions are to be filled at elections to be held next April or May. The term of office starts in July but new Board members are expected to participate in an orientation meeting in June. The Board meets for about two hours once a month (third Monday at 7 p.m. in 151 Braun).

Only the CCC staff and par-

SEE CHILDREN ON PAGE 3

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CALTECH public events

EXPECT THE UNEXPECTED

BLACK UMFOLOSI

Zimbabwe's answer to Ladysmith Black Mambazo

FRI., FEB. 16, 1996 / 8 PM
Beckman Auditorium
Regular Prices:
\$25.00 - 22.00 - 19.00

Coleman Chamber Music Concerts

VERDEHR TRIO*

SUNDAY, FEBRUARY 18, 1996 / 3:30 PM
Beckman Auditorium
Regular Prices: \$22.50 - 19.00 - 15.50 - 12.00

Works ranging from Frescobaldi to Thea Musgrave's "Pierrot"

Carnet C. Watson
CALTECH LECTURE SERIES

IMAGING THE INFANT UNIVERSE

ANTHONY C.S. READHEAD, Ph.D.
Professor of Astronomy, Caltech

WEDNESDAY, FEBRUARY 21, 1996 / 8 PM
Beckman Auditorium
FREE

Armchair Adventures
NARRATED BY
DON COOPER

HIGHWAY TO ALASKA

FRIDAY, FEBRUARY 23, 1996 / 8 PM
Beckman Auditorium
Regular Prices: \$9.00 - 7.00

PARADE OF DYNASTIES

Acrobatics, dances, and feats of great strength

SAT., FEB. 24, 1996 / 8 PM
Beckman Auditorium
Regular Prices: \$25.00 - 22.00 - 19.00

Paco A. Lagerstrom Chamber Music Concerts

LEE-CHIN SLOW, Violin

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Half price TECHTIX available day of show (subject to availability)

Call the Caltech Ticket Office at x4652

So Much for the First Amendment...

An open letter to President Clinton:

I, like many of my peers whose main line of communication is the internet, feel both invaded and taken advantage of by all of the bureaucrats who have no idea even what it is exactly that they are censoring. This is a blatant invasion of my first amendment rights. I have the right to express myself as I so choose, according to the Constitution, which I have no doubt you have read, but may have, perhaps forgotten. To censor what goes out over broadcast media and anything else which goes out over any medium for public access can be seen as acceptable, as in the case of Gopher sites, URL's and FTP sites, web page text, and the like, but to extend this blatant disregard of our constitutional rights to e-mail, well, you might as well say that I can't discuss abortion or bodily functions, or use those "seven words" in my own home. E-mail is a private means of communication, just like mail delivered by the US Postal Service. It is not meant to be posted, discussed openly, or be read by anyone but the receiver. To say that you are putting restrictions on that which I say via e-mail is like unto censoring that which I send on paper through the US postal service.

If you think that this is a way to protect Americans from that which is offensive or corrupting,

then you are wrong. The internet is not solely of the United States, as implied by the prefix "inter" meaning international. To regulate only one part of the internet (a small one at that) does nothing to stem the tide of offensive and corrupting material that may be contained therein. And, as I'm sure you're well aware, the US has

You might as well say that I can't discuss abortion or bodily functions, or use those "seven words" in my own home

no jurisdiction to censor internet sites under the government of various foreign countries. This is, by itself, ineffective, and therefore useless.

If you think that such an action will help you garner votes in an election year, I say you're wrong. If you can remember back to four years ago, you will remember that many of the people that got you elected in the first place were college students who voted and encouraged others to vote for you, as well as high school students who could not yet vote, but spent many hours answering phones, passing out flyers, and telling their parents and voting-age friends to go out and vote, and to vote for you. We (my peers and I) got you elected, and you turn

around and censor what is one of the most important things to us. It has been shown by survey after survey that it was my age group coming out to the polls and voting that was the difference in the election of 1992. Let me say that it will be the difference once again, but if I were you I wouldn't count on as many votes from the

18-25 age group, regardless of how many times you walk on MTV. Most of us don't even watch MTV any more. The people that do aren't old enough to vote.....

The high school and college students who helped you out last time are the college students, grad students, and newly employed intellectuals of today, and we depend on the internet as the fastest, cheapest, and most reliable source of information and communication we have available to us. To deny us free access to it is to deny us the right to communicate with each other as we please and seek out the information we desire. Even about abortion.

The Constitution is on our side, why won't you be? There are millions of us who can and will vote for our rights to express ourselves freely in a global network of information and communication, a global network known as the Internet.

Sincerely Yours,

Samantha S. Gizerian
Registered Voter

The California TECH

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Why do we park on driveways and drive on parkways? Who do I remind you of a therapist? Is it just because my name is Lukas and I live on the second floor? (Yes, I think you've seen me before.)

The countdown has now reached three! Hopefully, we can survive that long. To help us, please send monetary contributions to the Help Save the Tech Editors From Themselves Fund. Your donation may save as many as six lives.

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DIVE: Callaghan Has Chance at Nationals

CONTINUED FROM PAGE 1

Brian Bircumshaw. All of the swimmers have been improving greatly and should be a positive impact at SCIAC Conference Championships in two weeks. Final score Caltech 134.5 to Whittier 66.5.

The Techers put in a great effort against Whittier but were up against a very quick team. The only wins were from Liz on the boards, but each of the members of the team dropped big time off their swims and are beginning to peak close to the championship. Keri Ryan took second place and 4 seconds off her best 100 breaststroke with a 1:24.56 while Heather Dean is on pace to break into the 29 second mark in the sprints. A nice surprise was the backstroke of Kristie Armentrout, 1:19.31, followed closely by Jen Holland, 1:31.59. Mina Leung again dropped 7 seconds in the 100 yard freestyle and scored important points in the rest of her swims. Final score Caltech 53 to Whittier 137. Athlete of the meet was Liz Callaghan for her outstanding national level performance and Ben Taskar for his quick improvement on the boards for a second on the 1m and a third on the 3m board.

CHILDREN: Caltech Children's Center Seeks Board Nominations

CONTINUED FROM PAGE 1

ents of CCC children vote; however, members of the Board are selected from the Caltech community and beyond. It is particularly important that the Board collectively contain members with knowledge of education (including Early Childhood Education), management, law, accounting, and fund raising and that its members are sensitive to the needs of the entire Caltech community. Thus Faculty, Staff, postdoctoral fellows, graduate students, and undergraduates should all be represented. In addition qualified persons from the surrounding community are also wanted.

The Nominating Committee for the Board is soliciting nominations for the next board election. Currently underrepresented are regular faculty, students, males, and experts in law and financial management. What we want most are

people with a strong interest in helping the CCC provide quality care for our preschool children at a reasonable cost.

You can nominate yourself or someone else that you believe could make a valuable contribution (in this case you indicate whether you have talked to this other person about serving). Please include information on how to contact the nominee (day and night phone numbers, email address, mail address, fax number). Also include information about special qualifications of the nominee (a curriculum vitae, if available).

Please send suggestions to William A. Goddard, III Charles and Mary Ferkel Professor of Chemistry and Applied Physics Beckman Institute (139-74) email: wag@wag.caltech.edu Phone: 818-395-2731 FAX: 818-585-0918

It would be most useful to have these nominations by Feb. 20, 1996.

Alumni Association Announcements

The Alumni Association is sponsoring lunches for small groups of students (1-3) interested in meeting alumni and having lunch with them.

The Alumni Association has funding available for student organizations that encourage interaction between students and alumni. To be considered for funding an application form must be completed and returned to the Association no later than **March 15, 1996**. Decisions on funding will be made in April by the Student/Faculty/Alumni Relations Committee of the Alumni Association Board of Directors.

To receive an application form or if you are interested in organizing a lunch, call Kerry at x6852 or email her at kerry_etheridge@starbase1.caltech.edu.

Hear Yea! Hear Yea! Court Is Now In Session!

You are Summarily Summoned to
The Winnett Student Center for
Auditions
to the Courtroom Drama

Inherit the Wind

You may perform your Civic Duty in following places and times:

Club Room 1: 1-5pm on Saturday, Feb. 24th
Winnett Lounge: 1-5pm on Sunday, Feb. 25th
Club Room 1: 7-10pm on Monday, Feb. 26th

For more Information

Call 395-6259 or email: tacit@cco.caltech.edu

Please see the TACIT Web Site: www.cco.caltech.edu/~tacit

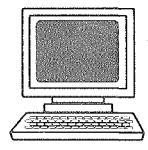
Don't Just Watch History, Take Part in It.

The Outside World

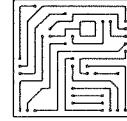
by Myfanwy Callahan



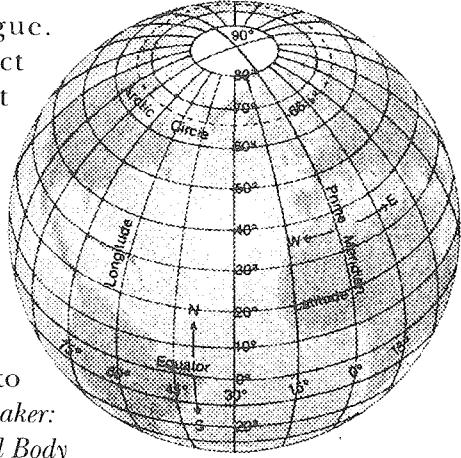
Goma, Zaire - (follow-up) About 250 Zairian soldiers surrounded a refugee camp Tuesday to persuade Rwandan refugees to return home. UN officials will begin an intensive campaign to close the 40 Rwandan refugee camps in Zaire.



New York, NY- Compuserve Inc. announced Tuesday that it would restore access to sex-related computer data bases that have recently been blocked. They favor software which the subscriber can tailor for selective blocking over a government ban.



Philadelphia, PA- Gary Kasparov and chess computer Deep Blue came to a draw in their 3rd of six matches. The man and machine are even at 1 1/2 - 1 1/2.



Pale, Bosnia and Herzegovina - The two Bosnian Serb leaders that had been arrested by the Muslim government were extradited to the international war crimes tribunal in the Hague. Bosnian Serbs suspect that the government arrested them in expectation of the extradition.



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Other Offers.

ATHLETIC MANAGER

The Athletic manager shall be chairman of the Athletic committee. He shall procure all athletic awards for the Corporation. A group of Corporation members may hold this position.

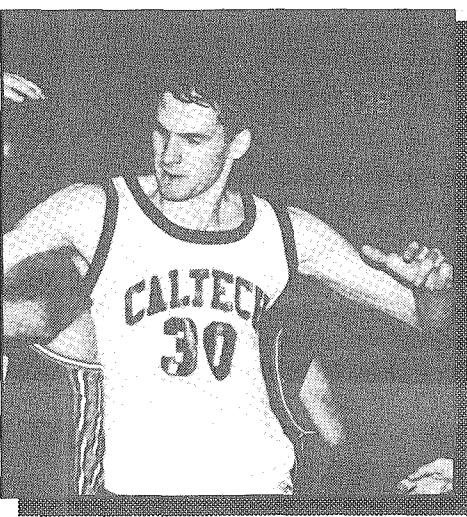
CHRIS BISBEE & KATIE STOFER

We are running for ASCIT Ath Man as a team to make the Ath Man more available to you, the students. As a team, we hope to be able to attend the BoD meetings more easily, be more flexible for meetings with the House Athletic Managers to resolve conflicts, and make ordering of varsity jackets and letters more expedient. This job is perfect for us because we both like to be involved, are good at ordering people around (House Athletic Managers), and interested in seeing more people with varsity jackets, especially those fencers from five years ago who don't even have their letters yet.



BEN TURK

I'll keep this short. I am very involved in athletics at Caltech, mainly through the basketball team and Interhouse sports. I know just about everyone in the athletic department, as well as most of the people on the house ath teams. I feel that I have the experience and enthusiasm to do the job well. Thanks.



Y.E.S.S '96

Positions for the Young Engineering and Science Scholars Program (Y.E.S.S.) are available for Summer '96 in the following areas:

- Instructor for Biology, Mathematics
- Teaching Assistantships in Biology and Earth and Planetary Science
- Head Counselor
- Program Counselor

Y.E.S.S is a five-week residential program that exposes 40 high school students to the joys of intensive scientific investigation. The program runs from July 8th to August 9th.

Applications are available in the Caltech Y and are due on Friday, February 23rd.

Contact Athena at x3180 or email at castroa@starbase1 for more information.

Pass Bylaw Changes 1, 2, 3

Due to a protest of the bylaws election, we have to re-vote on all the Bylaws changes. Many, many, MANY people asked me why the previous BOD wanted to pass these changes (especially the dues increase), so I thought I'd write a short list of reasons for each one.

- There is inherent (mathematical) error in the elections procedures. The error should be corrected, as it almost affected both the Senior Class President and the ASCIT Secretary elections. Here's why the current bylaw is wrong: Math proof: The bylaws say the winner is the person who receives a majority of the vote plus the error. In other words, if A wins and B is the runner up: A gets x votes B gets $N - x$ votes. so $x > N - x + e$ This means if person A has 42 votes and person B has 40 votes, an error of one makes neither one win ($41 + 1 = 42$) nor tie (as the election bylaws are written). This never really happened. Not once. Really. One person's vote doesn't change the outcome ($42 > 41$, $43 > 40$, $41 > 39$, and $41 > 40$). To fix the problem, start with the definition of a tie. A tie is defined as the difference between the vote totals plus the error: $2x > N + e$ or $x > (N + e)/2 = N/2 + e/2$ The winner should thus be the person who gets half the total votes plus HALF the error.
- ASCIT needs a dues raise. Why should you give money to ASCIT? (about 50 people asked me this...) Last year, ASCIT really stretched its budget to pay for club funding, house social events (almost every big party that the houses throw), and everything else (van, Big T, Little T, Clue, the UROH, prefrosh party, etc.). ASCIT could only afford to give clubs less than 1/2 of the total amount of money they requested. ASCIT was also forced to (again) decrease
- Elections are annoying, but we need to do this one (plus there's an ASCIT Ath Man election). These changes will let the BOD run with much less hassle, and houses and clubs will get a lot more money. If you want more explanation, I'll be around campus (and at parties, but if you bug me about bylaw changes while I'm at a party, I'll kill you). Thanks.

Dave Relyea
ASCIT President Elect

Defeat Bylaw Change 1: Keep the BoC Chair on the BoD

ASCIT Bylaw proposal #1, Separation of the offices of ASCIT Vice President and BoC Chairman, is up for (re)vote in Monday's election. While the concept of separating the office into two has merit and has been proposed in the past - this specific proposal suffers a significant flaw and should be defeated.

In the process of separating the offices, the BoC Chairman is removed from the Board of Directors. Such action will do serious damage to the capability of the student government to represent undergraduates to the administration.

My viewpoint comes from personal experience. When I served on the BOD in 94-95, the BoC Chairman was an essential resource as we discussed issues such as a new master key for the campus, the administration plan to move the MOSH out of Steele House, and the proposed changes to Freshman grading and the core curriculum. Almost everything we handled had some relation to the Honor System. The BoC Chairman, as the expert on the Honor System, was

able to give us valuable input on how the system was applicable to these issues, and the manner it should be used in deciding and defending our position on each issue.

As a BOD member, the BoC Chairman also kept us informed of potential trouble areas (e.g. lack of faith in the Honor System by some faculty or staff) so that we could use our connections with the administration to straighten out misunderstandings, and defend the Honor System as a team.

The BoC Chairman must not only be present at BOD meetings, he should remain a full and voting member of the BOD so that he can present his ideas and viewpoint in full equality with the other Directors. As the *little t* points out, the BoC is ASCIT's most important committee. The BoC Chairman's input is vital to the operation of the student government. In this interest, Bylaw proposal #1 should be defeated and sent back to the BOD for revision.

David Derkits
ASCIT Secretary '94-95

A.S.C.I.T. Minutes

FEBRUARY 12, 1996

Present: James, Dave, Kanna, Tom, Greg, Laura, Melissa, Maria, Kristie Armentrout, Dave Bacon, Kohl Gill, Emily Ho, Alexis Johnson, Kara Swedlow, Grace Yang, Albert Lee, Gavin

The meeting started at 10:09 p.m.

- Albert Lee came to request funding for the KSA & CCSA formal dinner and dance. They are holding it with other schools. Albert presented a budget that requested \$200, but then verbally requested \$150. ISP, the Deans and the Caltech Y also are funding this. ASCIT approved to give them \$100.

- Gavin asked for the Tech editors' and business managers' salaries. Due to a complaint from two of the 4 Tech editors about passing the salaries from last term without unanimous approval, so ASCIT didn't want to give them the money just yet. So, Gavin modified his request. He just wanted enough funding so that the business managers could be paid. ASCIT approved.

- The subject of increasing the ASCIT dues came up. Increase is needed to support the ASCIT van. Student Affairs won't be able to give us an interest-free

loan on the van next time.

- Kohl introduces himself and presents the problem of Ken, the previous director of Academic Affairs, wanting to relinquish himself of the duty to put out the CLUE. General consensus is that Kohl should do it.

- It was approved that Melissa should be paid \$100 for the UROH.

- The subject of increasing the ASCIT dues came up. Increase is needed to support the ASCIT van. Student Affairs can't help to fund it anymore.

- Officers' Reports Melissa said that the UROH was out and showed the BOD a copy. Greg wants installations on Thursday, the 22nd and at the Ath. Everyone else wants installations at the MOSH's. The exact date and place are yet to be announced. James said, "No." Tom said, "Quack." Everyone else was saying, "Blah, blah, blah, blah."

The meeting ended at 10:32 p.m.

Respectfully submitted,

Grace Yang
ASCIT Secretary



by Donna Ebenstein

The Congregation will be performing today at noon in Winnett Quad. Bring out your lunch, enjoy the sun, and hear some great music!

Broomball signups are open. The tournament will be on Sunday, February 25. Come by the Y and sign up your team!

The Y is putting together an information sheet on camping opportunities in the LA area, and we would love to have your input. Please send any reviews of camping areas to the Caltech Y, mail code 218-51.

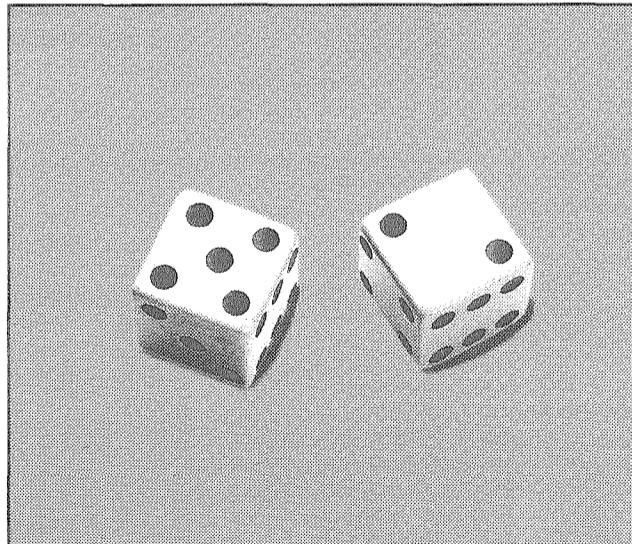
Thank you for your help!

Next week (February 19-23) Caltech is commemorating Black History Month with a week's worth of special events:

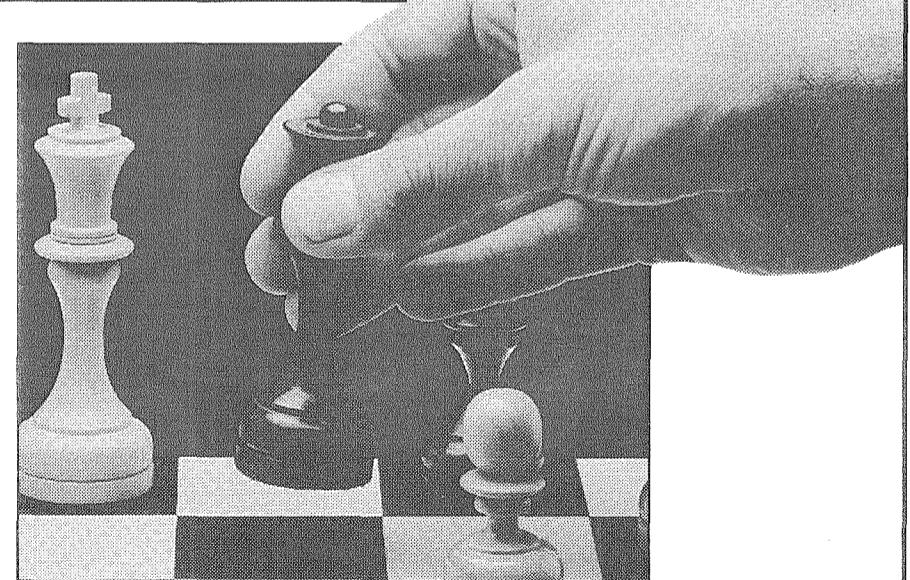
Monday	7:30 PM, BI Aud.	Julianne Malveaux
Tuesday	Noon, Winnett Quad	African Dance Group
	7:30 PM, Dabney Lounge	Affirmative Action Panel
Wednesday	7:30 PM, Y Lounge	Videos
Thursday	Noon, Winnett Quad	Greek Step Show
	7:30 PM, BI Aud.	Jervey Tervalon
Friday	Noon, Winnett Quad	Upstream
	7 PM, Dabney Lounge	Gospelfest
	9:30 PM, Dab. Lounge	NSBE/CLASES Party

This event is put together by NSBE, CLASES, the Caltech Y, and other campus organizations. See the flyers around campus for more information, or call the Caltech Y at x6163.

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Climb Every Mountain

K2 rises to majestic heights in Ramo Auditorium

by Diana St. James

A conceptual pyramid of icy slopes and jagged rocks is currently being erected in Ramo Auditorium for the production of *K2*, written by Patrick Meyers, directed by Shirley Marneus, and assistant directed by Maneesh Sahani. At first glance this play may seem more like a cliff-hanger "man against nature" plot with its daring mountain climbing and perilous stunts. But as the story unfolds between the two mountain climbers, an intense character study is revealed.

Taylor, a tough, self-centered realist, is portrayed by undergrad Phillip Rodriguez. His climbing buddy, Harold, portrayed by grad student Michael Vanier, is more of a poet and a philosopher. Together they face and conquer their fears as they tackle the imposing mountain known as *K2*.

The real *K2* is an eight thousand six hundred and sixteen meter mountain of rock, snow and ice. It is part of the Karakoram Range, and has been critical in the history of Himalayan mountain climbing. TACIT's version of *K2* is also imposing - it's a 16 1/2 + foot steel rebar structure that looms over Ramo Auditorium. Several people have dedicated time and muscle welding and/or wiring the behemoth structure, including Chris Marneus, Donna Shirley of JPL, and Chris Krok.

Although only two actors appear onstage, *K2* is really an ensemble production with numerous individuals involved in behind the scenes operations.



Howard (Mike Vanier), left, is assisted by Taylor (Phillip Rodriguez) after his leg had been broken in a fall in the play *K2*, opening this weekend in Ramo Auditorium.

behind the scenes operations. Some of the special effects

planned for the production of *K2* include climbing stunts choreographed by Chris Marneus, grad student Maneesh Sahani, and alum June Fujimoto; and sound effects of an

avalanche by grad student (and alum) Scott Van Essen. The stage manager, undergrad Bradley Nelson, has his hands full

trying to work out the split second timing necessary in safely running this intense production.

Be one of the first to view *K2* when it opens Friday, February 16 at 8:00 pm. Additional performances are on February 17, 23, and 24 at 8:00 pm, and February 18 and 25 at 2:00 pm. Tickets are available at Ticketmaster Ticket Centers (213) 365-3500 and at the Caltech Ticket Office (800) 423-8849. General admission is only \$10 and student admission is only \$6. Group rates are available.

ADAM VILLANI: MEDIA GUY

by Adam Villani

The Oscar Nominations Are In

The Academy's predawn announcements of this year's Oscar nominees met with the perennial gasps and whelps of joy, and it's not hard to understand why—Australian crowd-pleaser *Babe* bagged seven nominations and Italy's *The Postman (Il Postino)* became the first foreign-language film since 1973 to pick up a Best Picture nod. Some observations:

- It's no surprise that the Best Picture and Best Director nominees didn't match up precisely—they've only corresponded once in the past thirty years, curiously enough, in a year in which the winners differed. The year was 1981, when *Reds* picked up the Director award and *Chariots of Fire* won the top prize. But this year, the three films largely considered to be the frontrunners, *Apollo 13*, *Leaving Las Vegas*, and *Sense and Sensibility*, each came up one short in the two top categories. To say that this leaves the field wide open is an understatement; my best guess is that *Babe* wins Best Picture and Mel Gibson wins the directing statuette for *Braveheart*, but I'm not putting any money on it.

- Keep in mind how the voting is done; the nominations are done by the members of the Academy's appropriate branches. Thus the actors nominate actors, cinematographers nominate cinematographers, and everyone in the Academy nominates for Best Picture. Then the Academy members all get to vote on the winners. That's just for the "regular" awards, though—the rules for eligibility and voting for the Documentary, Short Film, and Foreign Language Film categories would take a monograph to explain, and are probably only marginally more interesting to read than the complete federal budget.

- As always, some of the more notable results from Tuesday are in the omissions. Some of the Hollywood studios' biggest guns were left with only a single nomination—just an acting nod each to *The Bridges of Madison County*, *Casino*, and *Mr. Holland's Opus*, and *The American President* managed only a music nomination.

- Rumors of L. Ron Hubbard controlling Hollywood from beyond the grave are belied by the omission of Scientologists John Travolta (*Get Shorty*) and, unfortunately, Nicole Kidman (*To Die For*). Their respective films were completely shut out.

- Twentieth-Century Fox and Tri-Star's films didn't get any recognition at all. It's not like Fox cares, though—their *Die Hard With a Vengeance* was 1995's worldwide box-office champion.

- Harvey and Bob Weinstein, the brothers in charge of Miramax, are shameless marketing geniuses, as *The Postman's* performance shows. They had a slight Italian comedy on their hands and seized two opportunities—the untimely death of its star and Italy declining to submit it for the Foreign film Oscar—and used them as sympathy leverage points that resulted in a whopping five nominations. Incidentally, Miramax now has had more Best Picture nominees than its parent company (Disney/Buena Vista) has in its history.

- A lot of pouting gets mistaken for acting—witness Kathleen Quinlan's and Sharon Stone's nominations, Stone for a movie (*Casino*) that should have at least made a showing in the Editing and Costume categories.

- Personal favorites that were shut out include *The City of Lost Children* (not even Art Direction), *Clueless* (not even Screenplay), *Clockers* (not even Supporting Actor or Cinematography), *Exotica* (not even Screenplay), and *To Die For* (not even Actress). *Seven* only got an Editing nomination, when it should have at least been honored for Darius Khondji's sublime cinematography or the haunting sound design.

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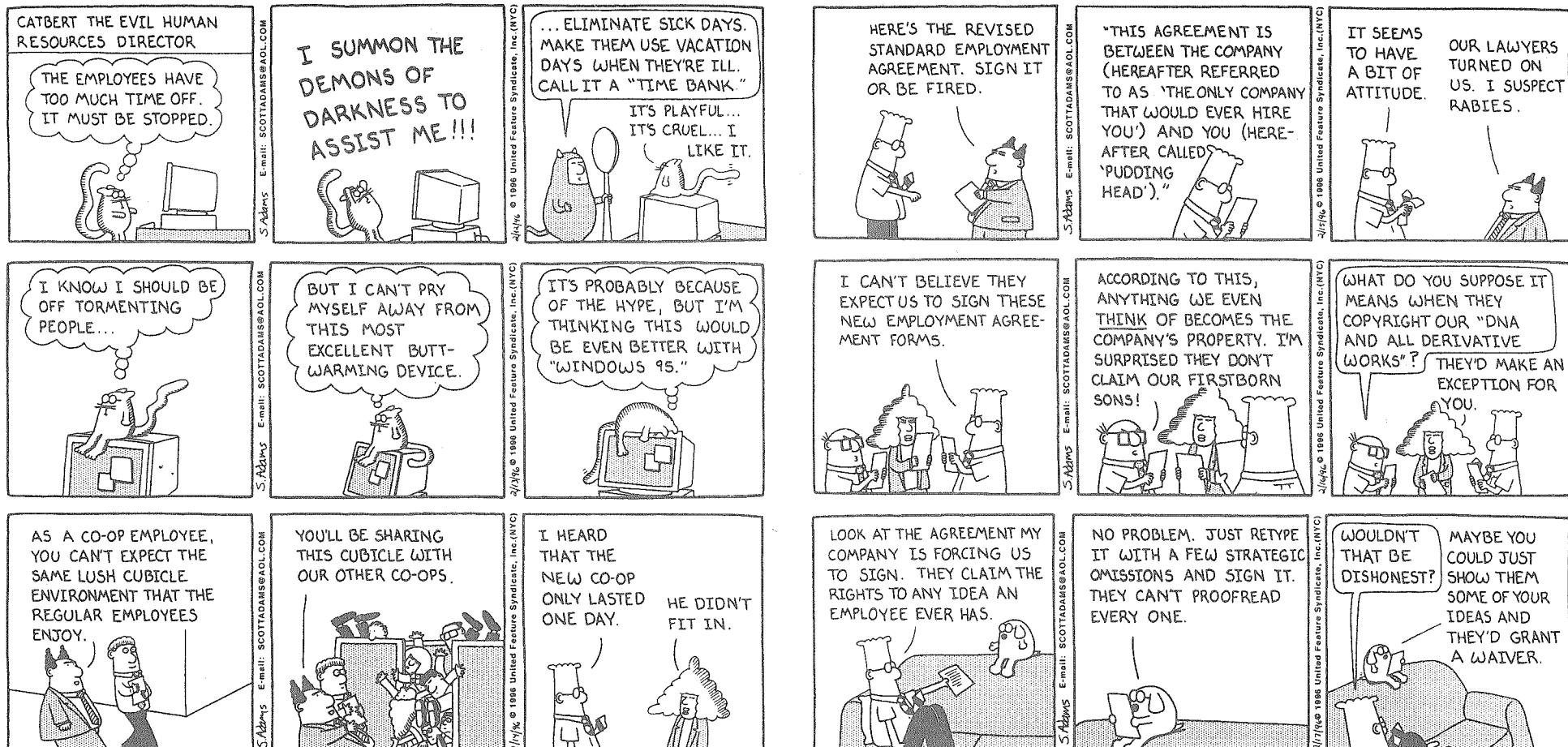
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Jim's CD Reviews

By Jim Pierce

The CD's reviewed are all ones that I liked enough to buy, and as a result, the starring scheme is a little weird. It works like this:

Ø - a gift, saved only to be a ride chaser

★ - It's okay, so I keep it around for those occasional urges

★★ - It's pretty good, but either not great or not my usual genre

★★★ - It's good, gets listened to regularly, and I plug it to friends

★★★★ - It's really good and spends more than its share of time in the player.

★★★★★ - It's absolutely awesome and I can't live without it. (note that there are not very many CDs that make it this high.)

mean=3, std dev=1

The halves are because I can never make up my mind. If you want any more info on any cd, or think I should hear one of yours, just drop on by my room (Dabney 11) or email me at jpierce@ugcs.

J.S. Bach Organ at St. Andreas Kirche, Hildesheim (Michael Murray)

Michael Murray is one of the best organists of our time, and is super cool, too. He has released, under Telarc, lots and lots of organ music played on organs all over Germany, the rest of Europe, and the USA. Even if you prefer modern music, his CD *Bach's Organ Blasters* is definitely worth getting. All the organ you ever need. Bach to this album, I'd like to note that I think it is his best recording to date. Pre-

lude and fugue in A minor, BWV 543 is particularly impressive, since the prelude is played slow enough that it is hard to keep it even and, get this, the fugue is seven minutes if 5 voices. Yow!

Besides four fugues, there are 4 more chorales, including Liebster Jesu, wir sind hier, BWV 731, another favorite of mine. ★★★★

Rob Base and DJ EZ Rock It takes two

Yuk.

Uh, ride chaser. It was a gift. Ø

Ludwig Van Beethoven Piano Sonatas (moonlight, pathetique, and appassionata played by Serkin)

Rudolf Serkin is my favorite pianist, whose technical ability is matched only by soul. He can play as fast as Glenn Gould (another goof) except he is too wise to do that. Instead, he brilliantly interprets pieces, and this album is a very clear example of that. It has Beethoven's most well known sonatas, Moonlight (opus 27 no. 2, Beethoven's rebellious sonata) which, in my opinion, is almost as good as opus 27 no. 1 (the one before moonlight. A flat, I think), Pathetique (opus 13) the hardest to interpret, and my absolute favorite piano piece ever, sonata Appassionata (opus 57), the first sonata appropriately named. Serkin leaves the listener trembling after the raw power and refined beauty of Allegro ma non troppo; presto.

★★★★★

Ludwig Van Beethoven. Sym-

phony 9

Everyone knows this one. Do I really have to review it? "Thus we embrace the world, joy and enchantment fill the air like thunder of the clouds, like the roaring of the ocean waves that by perpetual and beneficial motion give permanent life to the earth for the joy of mankind to whom God gave the earth to be happy" - Wagner (the Ride guy actually said that). ★★★★

Ludwig Van Beethoven Symphonies 5 and 7

My favorite conductor of Beethoven's symphonies is Otto Klemperer, because he takes the symphonies, especially number 5 third movement, slow enough to be majestic. Unfortunately, this isn't Klemperer. The 5th goes too fast and sounds silly and rushed. The second movement of the seventh is okay, but I think no one will ever do quite as well as Klemperer. C'est la vie.

★★

Beck mellow gold

I, like many others, purchased this album thinking "hey, 'loser' is pretty weird. I wonder what the rest of the album sounds like." It's okay. Nothing great or exciting comes along, although there is that obligatory alternative 5 minutes of silence after what you think is the last song which then starts up again and is banging and honking and beeping. Not really worth it, but once in a while I feel like "loser."

The B-52's *Cosmic thing*

What was I thinking? Oh yeah, rock lobster flashback. When I was a little kid, I remember hearing rock lobster and thinking it was cool. Then I heard channel Z off cosmic thing, so thinking it'd be cool, I bought it. Actually, it's not all that bad. The B-52's are totally goofy and happy, and they make songs like channel Z (the best on the album) that ask "where's my umbrella," love shack, Roam (with the video with

naked savages) and deadbeat club. It's a-little-too-happy-and-not-as-cool-goofy-as-*They Might Be Giants* -but-a-good-album-if-you-can-find-it-for-\$3.98. *

word.

c-ya next time ...
until later - JP

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IMPLEMENTATION

? of the MONTH

by Media Relations

Do colors have a physical reality?

Answered by David Hilbert, Assistant Professor of Philosophy

There is a variety of opinion on this question, but I believe that color is a real physical property. Many physical mechanisms can produce color, such as thin films of liquid, like oil on water, or a tiny repeating pattern, like the grooves on a CD or the scales on an iridescent butterfly. But usually, the color of an object is based on how the molecules in its surface reflect light.

Atoms and molecules themselves are too small to reflect an appreciable amount of light, so they don't have any color as individual particles. But when enough particles get together to form an object, then this bulk material does have color.

The color you see depends on the types of molecules that make up a surface. Specifically, the outer electrons in these molecules absorb certain wavelengths of light. Different molecules absorb different wavelengths.

For example, if a surface absorbs short wavelengths, what we usually call violet and blue, then it will reflect all the other wavelengths-green, red, orange, and yellow. The resulting mixture will be seen as yellow. Or, if a surface absorbs very few wavelengths, then it will reflect nearly all wavelengths and will appear white.

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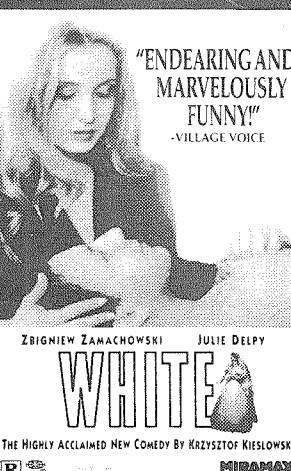
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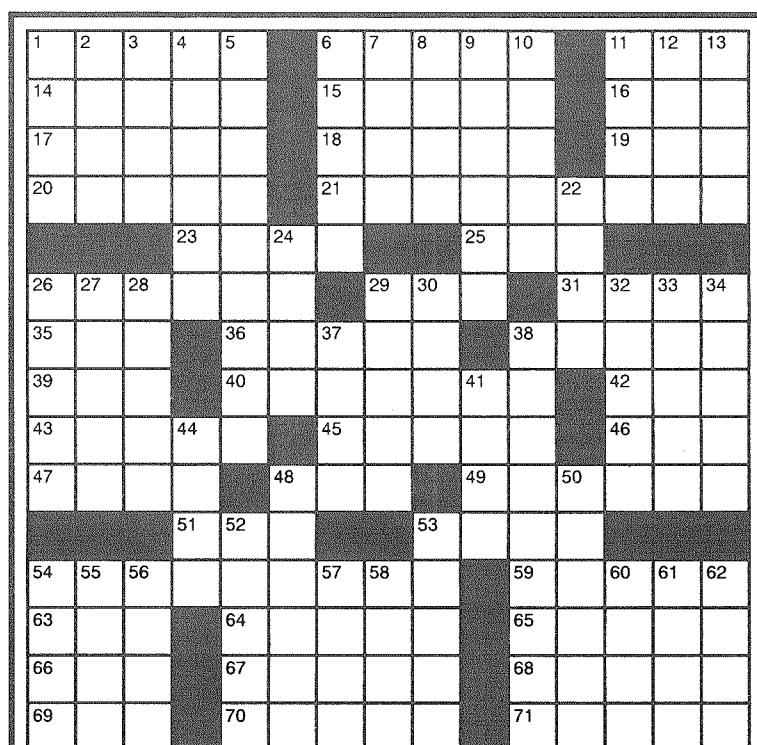
Kenneth Branagh's

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CROSSWORD: OLYMPIC CITIES

by Wei-Hwa Huang



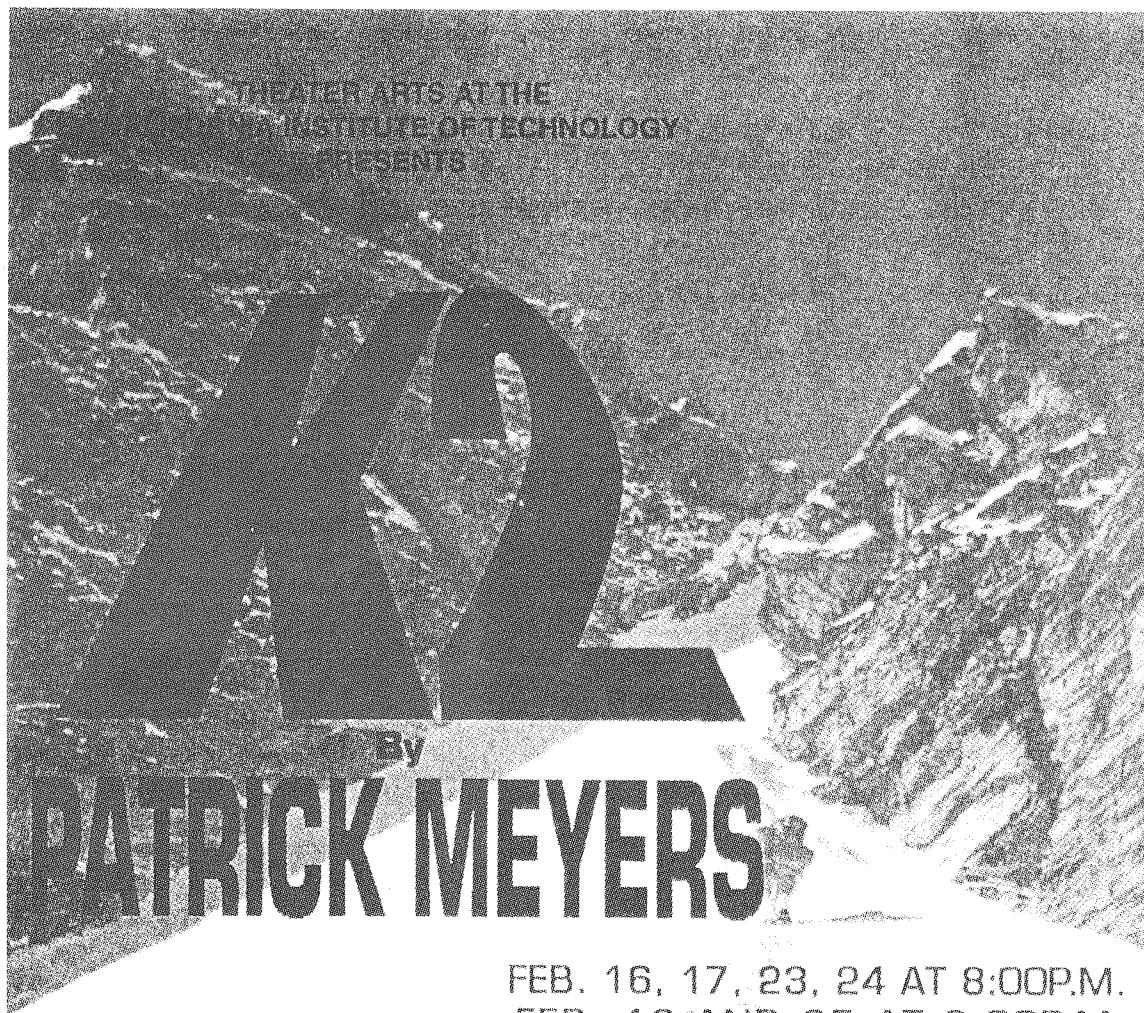
Across

1. A summer place?
6. Fend
11. French name
14. Pelvic bone
15. Left and right temporal, e.g.
16. ESL publisher
17. Approaches
18. Not chemically reactive
19. Not roll over or sit
20. Mr. Drakes
21. 1956
23. Albanian dollars
25. Shower mo.
26. Follow
29. Not Era or Tide
31. Volts/Ohms
35. Biting humor
36. Depreciate
38. Utter without thinking
39. Not Crest or Colgate
40. 1996
42. Not FBI or NSA
43. Spiderman's ex-costume
45. Capp's creation
46. In vogue
47. Earliest
48. T.M. and S.C., e.g.
49. Joe Trella et al.?
51. Charged atom
53. Region
54. 1912
59. Flames up, on USENET?
63. Average
64. Two make a diameter
65. Castor's sister
66. "When do we get there?"
67. Together
68. Diligent students
69. Key next to "Ins"
70. Sweet sorghum
71. Got up

Down

1. Loud noises
2. Baldwin or Guinness
3. French kiss?

4. Throw
5. 1928
6. Virginia cigarettes?
7. Comes before the message
8. Galois' contender
9. Lexical
10. To stop up
11. Kan.'s neighbor
12. Porous, as in soil
13. Wizard
22. Region in Risk?
24. Guinea fowl
26. Catch
27. Not as damp
28. Paeans
29. Saudis
30. Abbey, e.g.
32. A lot-o
33. Previous one
34. Data analyses
37. Worn
38. 1992
41. Spree
44. Ear-related
48. Deify
50. Mender
52. Veggies
53. Pal from Peru
54. Ran fast
55. Stevens' boss
56. Not anal
57. Aroma
58. Deceased panda at the National Zoo
60. Ex-Yugoslavian leader Josip Broz
61. Anderson and Keifer
62. Dried and withered



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FEATURES

Crime and Incident BEAT

February 10, 1996

Found

- Bike light on the ground in front of the steps on the southwest side of the Moore Laboratory.

February 11, 1996

Suspicious Odor

- Security responded to a report of smoke coming from the Men's rest room in the SAC Building by the door that goes up to Ricketts House. Upon arrival, discovered that someone had put paper in one of the stalls and lit it on fire. The water from the stall put out the fire, but a smell of smoke remained in the area.

February 11, 1996

Unauthorized Entry

- Security responded to the activation of an intrusion alarm in Parsons-Gates. Upon arrival, discovered two students near the south doors of the building. Students were informed that only authorized individuals may enter the building during non-business hours.

February 7, 1996

Suspicious Person

- Security responded to a report of a suspicious person in the South Mudd building at approximately 6:45 am. Person reported seeing a black male, 5'9" in height, approximately 175 pounds with black hair. At the time of the incident, suspect was wearing a plaid shirt with blue jeans. Security spotted the suspect on the east side of the building and requested identification. Suspect had no identification and stated that he was not affiliated with Caltech. Suspect was escorted off campus.

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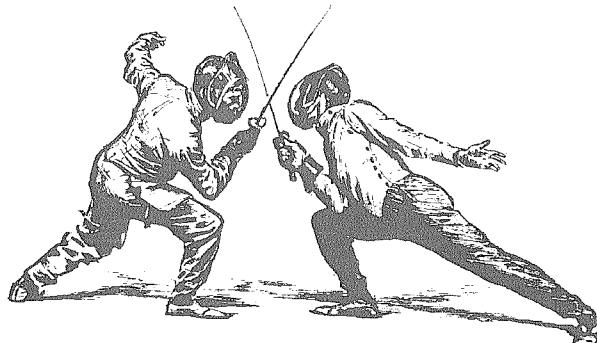
BY ANGIE BEALKO

by Angie Bealko

On Saturday February 10th, the Caltech Fencing team held its annual home invitational... and they dominated nearly every weapon. Caltech finished first overall followed by UCSB, UCLA and USC respectively. But that's nothing new to the team. They win all the time. They are the most successful intercollegiate team at Caltech, and they are one of the most feared teams west of the Mississippi.

This competition displayed some unexpected performances by the team. "Despite a lack of women foiliests in general on the team, the team of senior Mihoko Kato, freshman Adrienne Bourque and freshman Emma Goldberg did outstanding", stated Coach George Clovis. As a matter of fact, the women foiliests lost only two of their thirty six bouts throughout the day. Captain Mihoko Kato added that "Adrienne Bourque has improved a lot since her last competition. She did a great job for us today". Bourque's individual record had been 7 and 5 prior to Saturday's invitational, but now it stands at 18 and 6. Goldberg added to her already strong record improving her record from 19 and 5 to 31 and 5. Kato continued her steady

pace towards placing at the top of the conference's women's foiliests with a new record of 32 and 4 after winning 11 of her 12 bouts at this competition. Sophomore Emily Jennings was the lone female epee fencer for Caltech, but she still managed to



capture 11 wins for the day and only one loss. Jennings improved her standing to 27 and 9.

The men's sabre team continued its winning ways defeating all of its opponents. This year will mark the sabre team's fifth

straight conference championship (the worst they can do is tie... which is not likely). Caltech's sabreurs are junior captain Austin Collins, Sophomore Andy Laucius, and freshman Xavier Fan. Collins noted that "the number two sabreur hasn't been competing recently so Andy and Xavier had to step up to fill the number two and three spots. Xavier was not expecting to fence in competitions this year since it was his first year ever participating in the sport. However, he has improved dramatically. He

fenced incredibly today. His offensive technique was excellent."

Fan added 8 wins and 1 loss to his individual record bringing it to 11 and 1 overall. Laucius managed to break the blade of an

CONTINUED ON NEXT PAGE

UPCOMING EVENTS

by Angie Bealko

Friday 2/16	Baseball	Claremont Mudd	HOME	2:30 p.m.
Saturday 2/17	Diving	Claremont Mudd Scripps	AWAY	11 a.m.
	Track	Pomona Pitzer	AWAY	10 a.m.
	Women's Tennis	LaVerne	AWAY	10:30 a.m.
	Baseball	Claremont Mudd	AWAY	11 a.m.
	JV Men's Basketball	Claremont Mudd	HOME	5 p.m.
	Men's Basketball	Claremont Mudd	HOME	7:30 p.m.
Monday 2/19	JV Men's Basketball	Pomona Pitzer	HOME	5:30 p.m.
	Men's Basketball	Pomona Pitzer	HOME	7:30 p.m.
Tuesday 2/20	Women's Tennis	BIOLA	HOME	3 p.m.
Wednesday 2/21	Golf	Claremont Mudd	AWAY	1 p.m.
Thursday 2/22	Men's Basketball	LaVerne	AWAY	7:30 p.m.
	SCIAC Swimming	At Cerritos	AWAY	TBA
Friday 2/23	SCIAC Swimming	At Cerritos	AWAY	TBA
	Baseball	LaVerne	HOME	2:30 p.m.

Freshman Adrienne Bourque thrashes her opponent to shreds during Saturday's fencing match.



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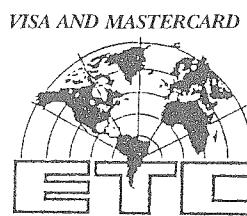
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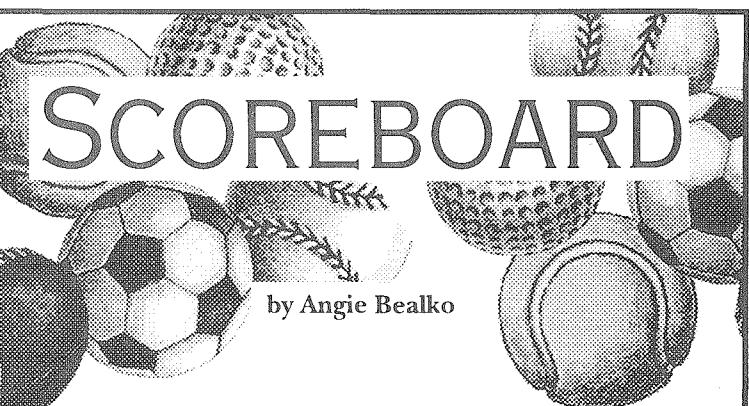


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by Angie Bealko

Wednesday 1/7	• Women's Tennis • Men's Basketball	Cal Lutheran Whittier	LOST 6-3 LOST 62-47
Saturday 1/10	• Women's Tennis • Men's Swimming • Women's Swimming • Fencing • Baseball	Chapman Whittier	LOST 7-2 WON 134.5-66.5 LOST 137-53
	• Men's Tennis • Men's Basketball	UCLA, USC, UCSB Cal Maritime	WON 1st WON 6-1 2nd game
Monday 1/12	• Golf	LaVerne Redlands	WON 24-5 WON 7-2 LOST 71-68
Tuesday 1/13	• Women's Tennis	Marymount	WON 7-2

Fencers Defeat Giants, Look Ahead to Air Force, Stanford

CONTINUED FROM PREVIOUS PAGE

unsuspecting opponent while improving his individual record to 17 and 10 from 11 and 7. Collins added nine wins to his record giving him 25 wins and only 2 losses this season. UCSB proved to be the sabreurs toughest competition, giving the beavers several 5-4 and 5-3 bouts (for those of you who don't know..fencing bouts are scored to 5 points. However, Tech still beat them 8-1. Coach Clovis commented that "the men's sabre team is still dominating everyone. They're undefeated this season. They keep winning despite having to change around their fencers recently."

The men's foilists had a tougher time during the competition falling in all three of their match ups. Sophomore captain Dan Hennessy is optimistic about the teams chances for improvement in the near future. "Today I fenced number one and then three freshmen rotated fencing in the other two spots. Two of them got a victory a piece. They're improving dramatically but it'll take some time." Coach Clovis added that "the men's foil team has the toughest opponents. They're still learning." Hennessy captured five wins and fell four times to improve his individual record to 14 and 13. Freshman Joe Cook grabbed a win for the Beavers, as did freshman Sander Granat. Granat fenced for the first time in this competition. Freshman Juan Nuno had some strong bouts for Caltech but couldn't manage to pull out any wins.

The Men's epee team grabbed one win and lost two close battles with UCSB and USC 5-4 both times. Sophomore captain Wes Salzillo, junior John "Mad Dog" Langford and freshman Juancarlos Chan all performed well for Caltech with records of 4-5, 6-3 and 5-4 respectively. Bourque remarked that "Juancarlos competed for the first time in epee in today's invi-

tational. He switched from foil about two weeks ago. He's made the change look easy and did extremely well today particularly for having just switched over." Salzillo and Langford's individual records both now stand at

14 and 13. When asked why Caltech has such a strong fencing team, Collins replied "Fencing is a very strategic and intellectual sport. Caltech does well because we adapt to our opponents' strengths and weaknesses

better than they adjust to ours." From observing the team, I would have to add that they also have extremely quick reaction time to their opponents. All in all, they're simply amazing. Later this year Caltech will face the Air

Force Academy and Stanford in Westerns in an effort to qualify some fencers for nationals. Until then they'll improve their skills against Long Beach, Fullerton and UCSD in addition to Saturday's opponents.

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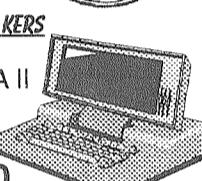
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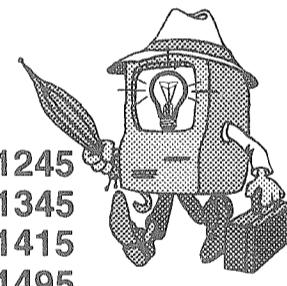
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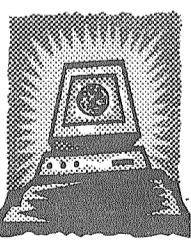
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Announcements

♥TACIT will be holding auditions for the show *Inherit the Wind* on February 24th and 25th from 1 to 5pm and on February 26th from 7 to 10pm in the Winnett Student Center. All members of the Caltech/JPL community are encouraged to participate; this show contains many large and small roles which can accommodate various schedules.

♥The Graduate Housing Office has relocated to 405 S. Catalina #105 (Campus Building #104). Their new extension is x6178 and new mail stop code 105-104. Linda Chappell and her assistant Dave Nuttall will be happy to answer any questions you might have about graduate and guest housing. All other functions of the Office of Housing remain unchanged.

♥The Jazz Improv Class will begin again soon. This class is open to all Caltech students, staff, and faculty who want to learn more about the basics of music as it applies to improvisation. Scales, intervals, chords, and styles of music are studied and applied to whatever instrument you play. It's a private non-credit class that costs about \$10 per class. All levels are welcome. Please call Josh Levy at (213) 934-0373 as soon as possible if you are interested in enrolling in the class.

♥Clarinetists are needed for the Caltech-Occidental Concert Band. If you play the clarinet and are of an intermediate to advanced level, and are free on Thursday nights, please call Bill Bing at (213) 684-8964.

Delta Airlines is offering special "extra credit" student fares as low as \$138 round-trip (and as high as \$318, depending upon locations of travel) for travel between today and March 31st. Tickets are non-refundable and must be purchased at least seven days before departure, with certain blackout dates. To get these special rates, students are to call Delta at 1-800-9DELTA0.

Events

♥The Y has tickets to the Pasadena Symphony with conductor Jorge Mester on Saturday, February 10th, at 8:30pm. Tickets are only \$6, but are limited. For more information, call the Y at x6163.

♥The Men's and Women's Glee Clubs present An American Sampler on Friday, March 1st, at 8pm in the Dabney Lounge. Included on the schedule is: Testament of Freedom and Frostiana by Randall Thompson, and American Folk Songs by Aaron Copland, plus spirituals, Jazz, and Barbershop Quartet. The performance is free, but seating is limited.

The Zimbabwean group Black Umfolosi will be giving a performance of their traditional Zulu war dances and South African songs Today, Friday, February 16th at 8pm in the Beckman Auditorium. Tickets start at \$19, with \$8 rush tickets for students one half hour before show time, subject to availability.

Theater Arts at the California Institute of Technol-

CATCHING UP WITH DEPECHE MODE

♥ denotes a new announcement.

ogy present K2, by Patrick Meyers in the Ramo Auditorium on February 16th, 17th, 23rd, and 24th at 8pm, and on February 18th and 25th at 2pm. Tickets are \$10 general admission, \$6 for students.

Club Announcements

♥The German Film Series (emphasizing Swiss films this year) will be showing *Circle Of Deceit* (1982) on Wednesday, February 21 at 7:30pm in Baxter Lecture Hall. This film features English subtitles and is presented free of charge. For more information, please call x3610.

The Caltech Ballroom Dance Club is back in business! The Dance club now offers introductory West Coast Swing classes on Wednesday evenings from 7:00 to 8:30 p.m. in the Winnett Lounge. The classes are taught by professional instructor Richard Orozco from the studio Let's Dance L.A. No experience or partner is required. 4 classes are \$12 for Caltech students/staff or JPL employees (or for partners of Caltech or JPL employees), and \$20 for others.

The Caltech Korean Students Association and Chinese Students Association invite you to *Lunarfest '96*, a formal dinner and dance celebrating the new Lunar New Year. Come celebrate in the scenic atmosphere of The Castaway, tucked away in the mountains of Burbank, overlooking the valley. Tickets are \$25 per person. *Lunarfest '96* will be held Friday, February 16th from 6:30pm to 1:00am. For more information, please contact Albert T. Lee (x1058 or kva@cco.caltech.edu) or Alex Lin (795-7424 or aca@cco.caltech.edu).

The Entrepreneur Club will be holding the workshop *Essential Management Skills for the Caltech Engineer*, taught by Paul Konkel, Founder and Managing Partner of Konkel & Associates, in Winnett Clubroom #1 at 2pm on Saturday, February 17th.. Space is limited and refreshments will be served. Please RSVP by e-mail at jessica@cco.

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 homophobe 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 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

Finding that Science and Math aren't your only interests? The J.P. Getty Museum understands. In fact, they have a program for people like you: The J.P. Getty Trust is now accepting applications for summer internships from culturally diverse undergraduate students interested in exploring careers in art museums and related areas of the visual arts and the humanities. Students of all academic disciplines are encouraged to apply. The internships can be held at a variety of J.P. Getty locals in the Southland, go from June 17th through August 23rd, and provide a \$3,000 stipend. The deadline for applications is **March 4th**.

From the Fellowships Advising and Resources Office, ext. 2150, e-mail lauran_stolper@starbase1.caltech.edu

Attention Graduating Seniors: Many private high schools and middle schools offer one year fellowship programs for graduating seniors who would like to teach for a year. Positions are usually paid. Some fellowships are in day schools and some in boarding schools. If you would like to have us send you a copy of a list of such programs plus a guide that tells you more about these fellowships please e-mail the Fellowships Advising Office. Give your name, specify teaching fellowships in the subject or body and give your box number.

The Lindbergh Foundation Grants Awards support innovative ideas at their early stage of development. The grants are open to citizens of all countries and support research and educational projects that address in some way the balance between technology and the environment. Ten grants in amounts of up to \$10,580 are awarded each year. Applications are available through the Fellowships Advising Office.

Women who are U.S. citizens can apply for a travel grant to Sweden if they plan to study or research in Sweden. More information is available in the Fellowships Advising Office. Students can request an application from The American Women's Club in Sweden, Scholarship Foundation, P.O. Box 12054, S-102 22 Stockholm, Sweden. Be sure to include a self addressed envelope with your application request.

Work as a volunteer in one or more of 23 countries this summer. Volunteers receive room and board and can work from 2 to 4 weeks on a project. More than one project can be scheduled. Projects include tasks such as restoring a castle, organizing a festival, planting trees, building a playground or implementing a recreation program for children. This program is sponsored by the Council on International Exchange (CIEE). It is a very popular program, and it is highly advisable to apply early. No language skills are needed with the exception of Spanish for Spain and conversational French for North Africa. There is a placement cost of \$195 for one 2-4 week project. Information brochures are available in the Fellowships Office or we would be happy to send you one via campus mail; e-mail your name, the fact that you want an International Volunteer Projects brochure and your mailcode to lauran_stolper@starbase1.caltech.edu. A listing of last year's volunteer projects is

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available for review in the office. Note that special fellowships for minority students interested in this program are available through the CIEE.

From the Deans' Office, 102 Parsons-Gates

♥Teachers are needed for this summer's Academy by the Sea academic boarding program in the following areas of expertise: English, English as a Second Language, Computer Science, Math, French/Spanish, Science (Environmental/Oceanography), Social Sciences (World, U.S. History). The qualifications to work in the program are a Bachelor's degree in a related subject and previous experience with youths. All applicants must also be able to work from July 3rd through August 10th. The program is set up for the teachers to teach three morning classes, assist in two recreational activities, and live on-campus in Carlsbad, California. Teachers will also be asked to assist in supervising weekend excursions to Southern California attractions, as well as attend to periodic dorm supervision duties during some evenings and weekends. All participants will be provided with room and board as well as \$2,200. This is a terrific experience working with youth in a California sea-side academic program. To apply, please send a resume and cover letter to the attention of: Ms. Eowyn Schutze, Academy by the Sea, P.O. Box 3000, Carlsbad, CA 92018-3000. For more information, please call (619) 434-7564 or Fax (619) 729-1574.

♥The Lindsley F. Kimball Research Institute of New York Blood Center is announcing openings for undergraduate science students for summer research positions in New York at the Research Institute. Participants will be provided with a \$1,500 a month stipend plus housing for the summer. Transportation to and from New York, however, will not be covered. If you are interested, the Deans' Office has a list of the research opportunities at the Research Institute. To apply, please send a curriculum vitae by April 5, 1996 to: Jan W.M. Visser, D.Sc., New York Blood Center, 310 E. 67th St., New York, NY 10021.

The Deans' Office is accepting proposals for the Monticello Foundation and the Robert and Delpha Noland Summer Internships. Three to five Caltech undergraduate women (current freshmen, sophomores and juniors) will be given an opportunity to participate in research projects outside the Caltech/JPL community for ten weeks during the summer. Each student will receive a \$3,600 stipend. Applicants are required to identify the projects in which they wish to participate. All arrangements with the principal researcher will be the responsibility of the student. Interested? Identify a sponsor for your experience at a research facility for a ten-week period. In a short essay, describe your project, and submit it to the Deans' Office, 102 Parsons-Gates, along with two faculty recommendations. Proposals are due Monday, March 4th, 1996.

The Morris K. Udall Scholarship and Excellence in National Environmental Policy Foundation has created a scholarship program to attract students into careers in environmental public policy, health care, or tribal public policy. Scholarships are awarded on the basis of merit to students who are sophomores or juniors during the 1995-96 academic year and who have excellent academic records and demonstrated interest in and potential for careers in environmental public policy or are Native Americans or Alaska Natives who have excellent academic records and demonstrated interest in and potential for careers in health care or tribal public policy. The scholarship covers eligible expenses for tuition, fees, books, and room and board to a maximum of \$5,000 for one academic year.

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

The Thai Government is offering scholarships to Thai students studying in the U.S., who are also under 30 years of age, and who are majoring in computer science (2 scholarships), economics (1 scholarship), and business administration (1 scholarship). Students must have no commitments to other scholarship donors, as they will be required to work for the Thai Revenue Department, Ministry of Finance for a period of time following graduation. Both undergraduate and graduate students are eligible. Applications and supporting documents are due by February 29th, 1996.

In 1997, The Rotary Foundation will celebrate 50 years of awarding scholarships with the 1997-98 Rotary Foundation Ambassadorial Scholarships. These are scholarships for students who want to study abroad for 3 months to 2 or 3 years. The scholarships are for study in any field, or to do intensive language training and cultural immersion in certain countries. The maximum award of the Ambassadorial Scholarships is \$22,000 for a year. Interested students should apply to a local Rotary Club (not all Rotary Clubs will offer scholarships every year). Application deadlines are set by individual Rotary Clubs and may be as early as March, 1996 or as late as July, 1996. For more information or for the terms of the scholarships, come to the Financial Aid Office.

The Society of Manufacturing Engineers announces five undergraduate scholarship programs and one graduate fellowship program. The scholarship programs will be awarding a total of 40 scholarships; awards range from \$500 to \$2,500 each. The gradu-

ate fellowship program will be awarding ten \$5,000 awards. The scholarship programs require full-time enrollment in a manufacturing engineering or manufacturing engineering technology program, and also require a minimum GPA of 3.5. The graduate fellowship program requires full-time graduate enrollment in a manufacturing engineering or industrial engineering technology program, and also requires a minimum GPA of 3.5. Applications and supporting documents are due March 1st, 1996.

The Zonta Club of the Santa Clarita Valley Area is offering two \$1,000 undergraduate scholarships to female residents of the Santa Clarita Valley. Applicants must be full-time during the 1996-97 academic year, and must have legal addresses within the Santa Clarita Valley. Applications are due March 1st, 1996.

The Marin Education Fund announces the opening of its 1996-97 undergraduate grant application process. To be eligible, applicants must be undergraduates, must be enrolled at least half-time, and must be residents of Marin County. Financial need will be considered, and copies of 1995 tax returns will be required. For applications or additional information, call the Marin Education Fund at (415) 459-4240. Applications are due March 2nd, 1996.

The American Scandinavian Foundation of Los Angeles Scholarship Program announces five 1996-97 scholarships of \$1,000 to upper level and graduate students in arts and science, music, and business. Applicants must have strong academic qualifications, demonstrate some connection to Scandinavia either through field of study, life experience, or heritage, and must show financial need. To request an application form, write to: ASFLA Scholarship Program, c/o James Koenig, 3445 Winslow Drive, Los Angeles, CA 90026. Applications must be submitted by March 15th, 1996.

The Society of Women Engineers, Los Angeles Section (SWE LA) is pleased to announce their 1996-97 scholarships. In addition, they are announcing a new Microsoft Scholarship specifically for software engineers. Scholarships are available to all women in undergraduate and graduate engineering programs, with special consideration given to those students under unique circumstances and financial need. Applicants must have at least a 3.5 GPA to be eligible. The amount of each scholarship will be \$1,000. All applications and supporting materials must be postmarked no later than March 30th, 1996.

The Coalition of Higher Education Assistance Organization (COHEAO) is accepting applications for three \$1,000 and six \$100 scholarships. Interested applicants must complete and mail a postcard (available at the Financial Aid Office) in order to receive an application. Postcards must be mailed by April 1st, 1996, and the completed applications must be submitted by June 1st, 1996.

The American Association of University Women (AAUW) will be awarding several scholarships of \$500-\$1,000 to female college students who will be juniors or seniors in 1996-97, and who have lived in the San Ramon Valley. Applicants will be evaluated on the basis of scholarship, achievement, educational goals, financial need, and campus or community involvement. For more information and an application package, send your request with a \$6.64 stamped, self-addressed large envelope (9 x 11 1/2) to: Charlotte Orren, 248 Belaire Court, Danville, CA 94526. Applications must be postmarked by Tuesday, April 2nd, 1996.

Concert/Lecture Series Schedule

Science, Ethics, and Public Policy Seminars
Dr. Gerald L. Geison, Professor of History at Princeton University, will be giving a Science, Ethics, and Public Policy Seminar entitled *Did Pasteur Cheat? Does it Matter?* on Friday, February 16th at 3:30pm in the Judy Library.

Earnest C. Watson Caltech Lecture Series

Anthony C.S. Readhead, professor of Astronomy at Caltech, will give a talk entitled *Imaging the Infant Universe* on Wednesday, February 21st at 8pm in the Beckman Auditorium. Admission is free.

Skeptics Society Lecture

Burton Mack, Professor of Religion at the Claremont Graduate School, will be giving a talk about *The Quest for the Historical Jesus and the Origins of the Christian Myth* at 2pm on Sunday, February 25th, in the Baxter Lecture Hall. Admission is \$8 for non-members.

Paco A. Lagerstrom Chamber Music Concert

Lee-Chin Siow will perform on violin works by Schnittke, Prokofiev, Debussy, and Ravel on Sunday, February 25th, at 3:30pm in the Dabney lounge. Admission is free.

The Annual Iraoudas Alagud Memorial Lecture in Mathematics

Professor Serge Lang of Yale University will deliver a lecture entitled *Regularized harmonic series in Number Theory* on Thursday, February 22nd, at 4:15pm in 151 Sloan. Admission is free; tea will be served at 3:30pm in 351 Sloan preceding the talk. Professor Lang is a renowned Mathematician with numerous publications. He also has an interest in activism over a broad spectrum of fields and issues concerned with the maintenance of standards in the academic world. Professor Lang will also give a talk *"HIV and AIDS: Have we been misled? Questions of Scientific and Journalistic Responsibility"* at 5pm on the 22nd.

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