



The Big T Volume 79 1999 - 2000

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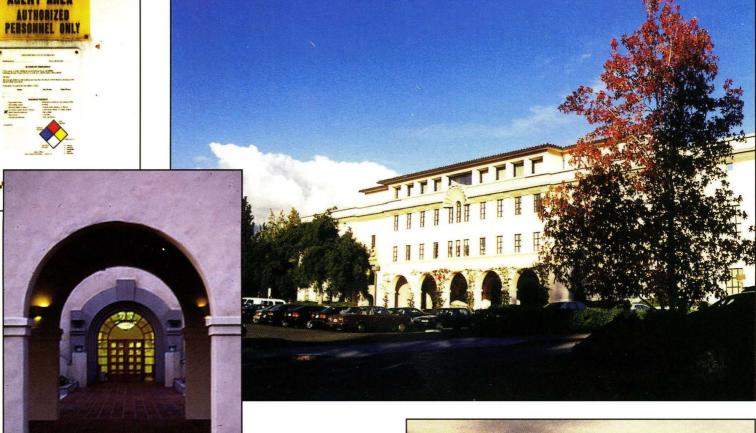


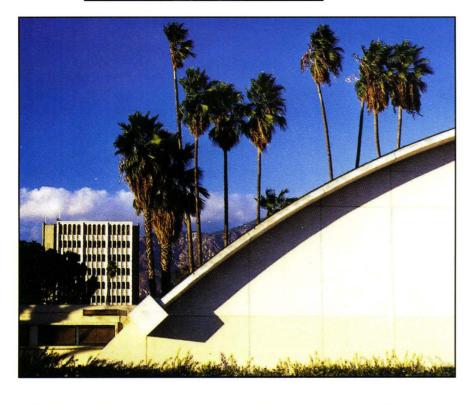
Front Endsheet: West Face of Throop Hall, circa 1920's Rear Endsheet: East side of Throop Hall, 1917

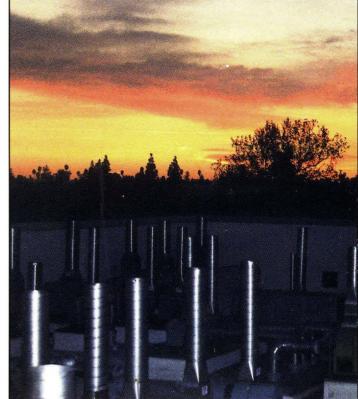
Both images courtesy of the Caltech Archives

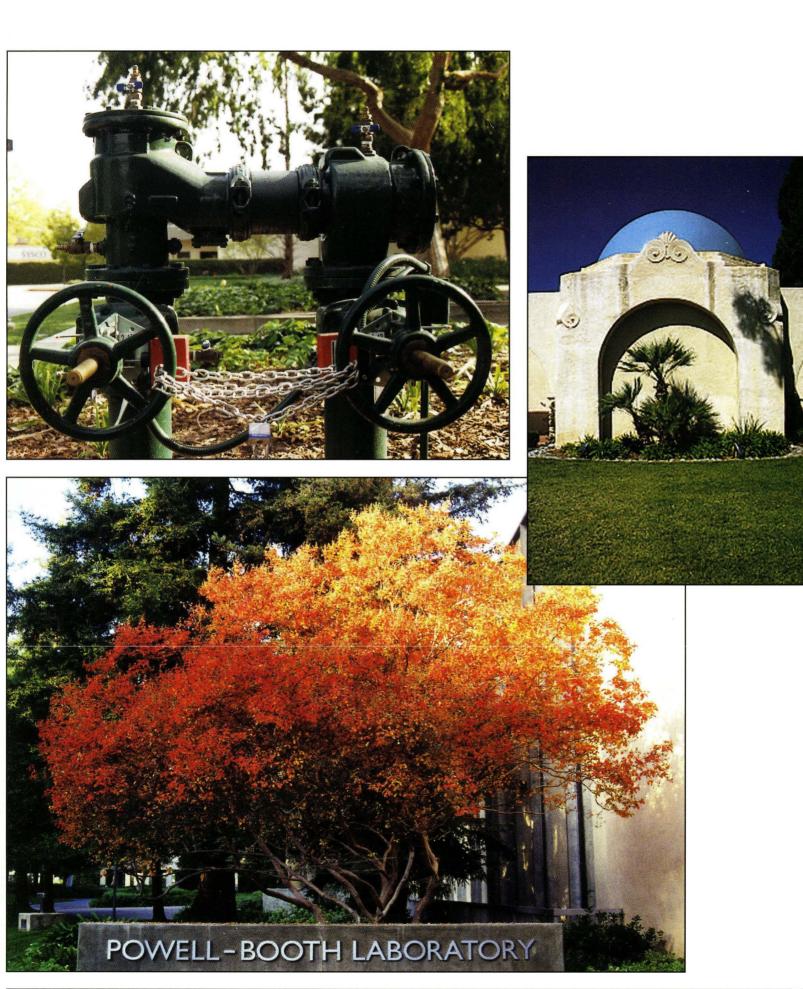
# DO NOT ENTER UNLESS ACCOMPANIED BY AN AUTHORIZED REPRESENTATIVE OF THE CHEMISTRY STOCKROOM CANCER-SUSPECT AGENT AREA AUTHORIZED PERSONNEL ONLY

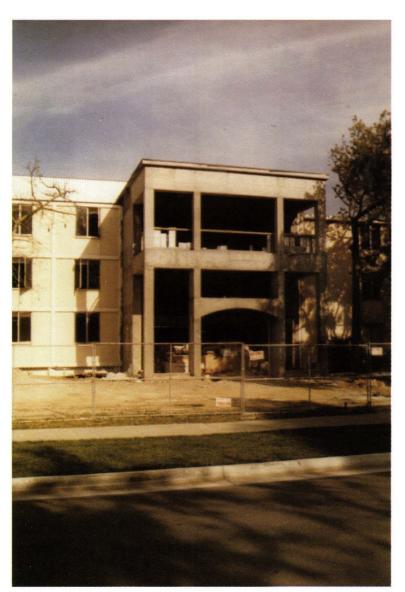
### Welcome to Caltech











## New Buildings, New People.

Caltech is experiencing a period of growth, and the recent construction trend continued. In preparation for the Broad Center for Biological Sciences, the shiny new South Holliston Parking Structure (bottom) was built to increase parking space on the west side of campus.

The Administration started migrating closer to the student houses. Keck Graduate Housing was renovated into the Center for Student Services, housing the Y, Minority Student Affairs, Career Center and the Women's Center.

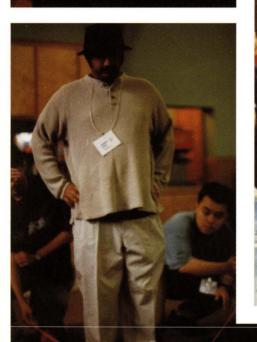
Frosh Camp was held at Pine Summit Camp. The traditional boat race took advantage of the pool, and no fatalities were recorded.





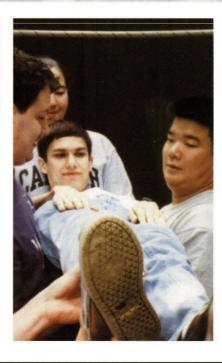










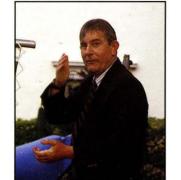








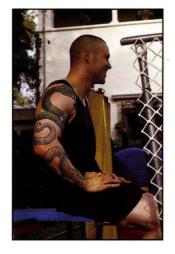




### **ASCIT Carnival**



The ASCIT Carnival was a huge success this year, enticing prefrosh to Caltech, dunking professors and TAs, and bringing a bouncy castle to the Atheneum lawn





To Left: At Earth Day, Andrew Hafer takes at look at what Caltech discards every day.

To Right: Semana Latina brings a taste of Brazilian culture to the Olive Walk.



# Zewail wins Nobel



Dr. Ahmed Zewail received the 1999 Nobel Prize in Chemistry. The Royal Swedish Academy of Sciences cited Zewail "for his studies of the transition states of chemical reactions using femtosecond spectroscopy." Using laser-based instrumentation, Zewail and his group have been able to observe the progress of chemical reactions as they occur. Time resolution for this technique has been improved to reach the limits of quantum uncertainty, allowing reaction intermediates and transition states to be well-defined. In addition to refining our general understanding of chemistry, this work will ultimately yield more precisely tailored medicines and other products.







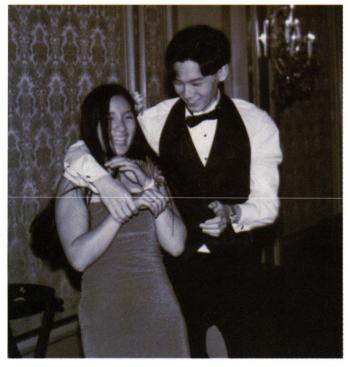


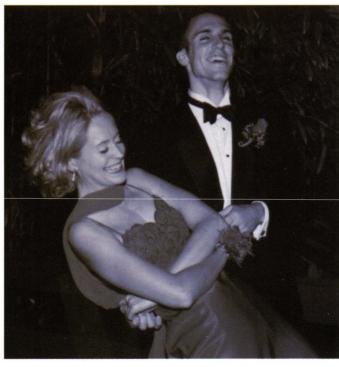
All Photos by Gustavo Joseph

# **ASCIT Formal**









La Notte Scintillante

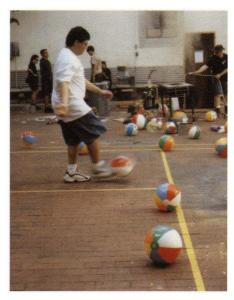


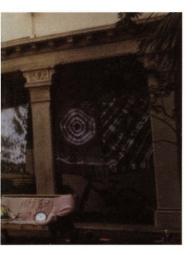


# Ditch Day



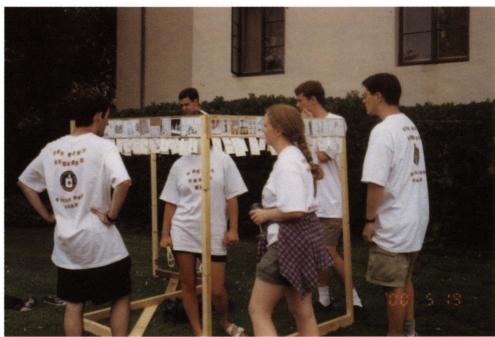




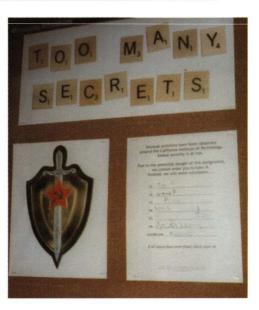












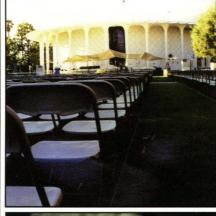


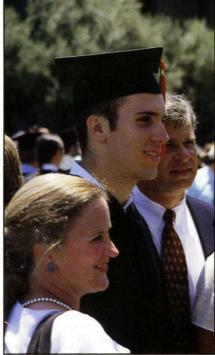


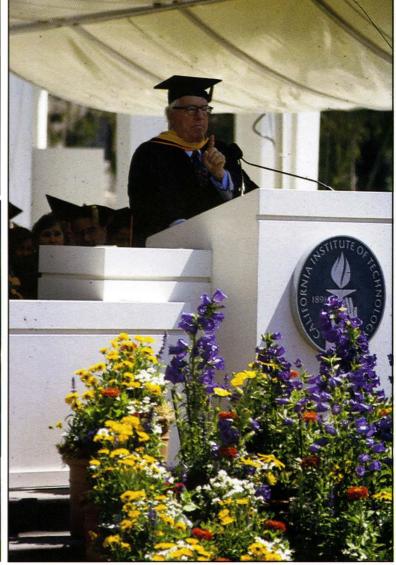


# THE CLASS OF 20

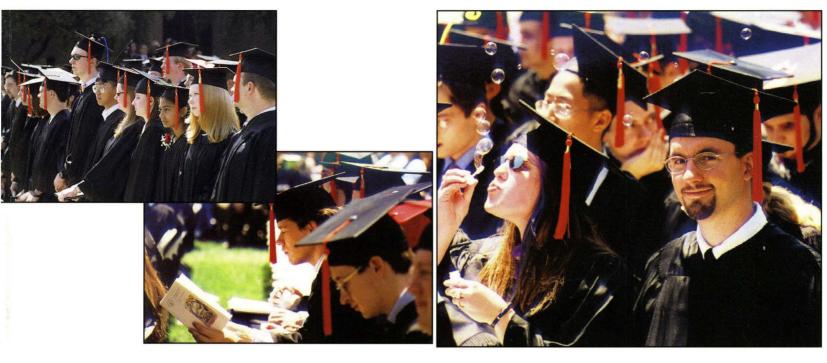




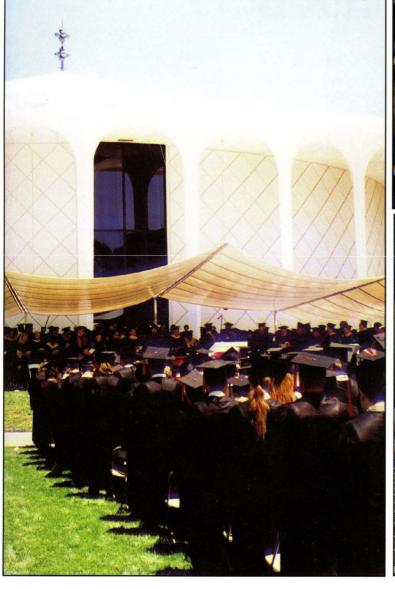








# 00 GRADUATES!

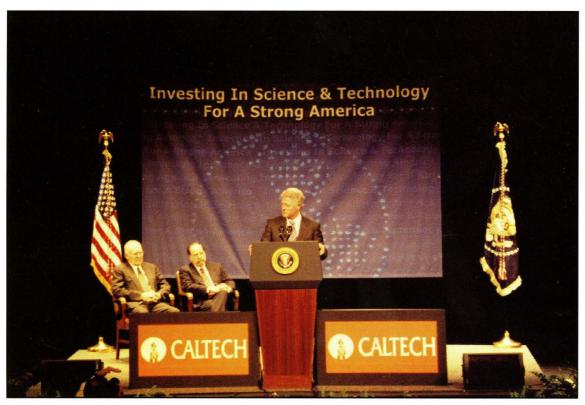








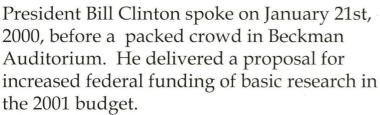






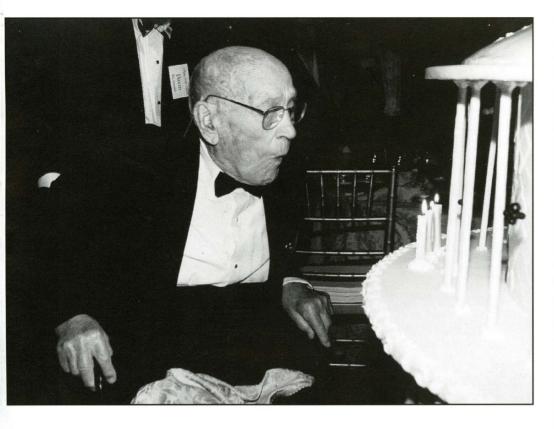
# Clinton Speaks







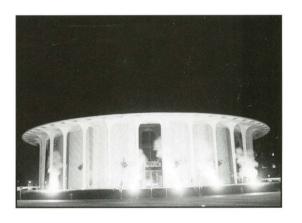


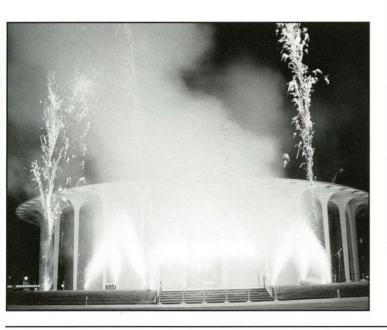




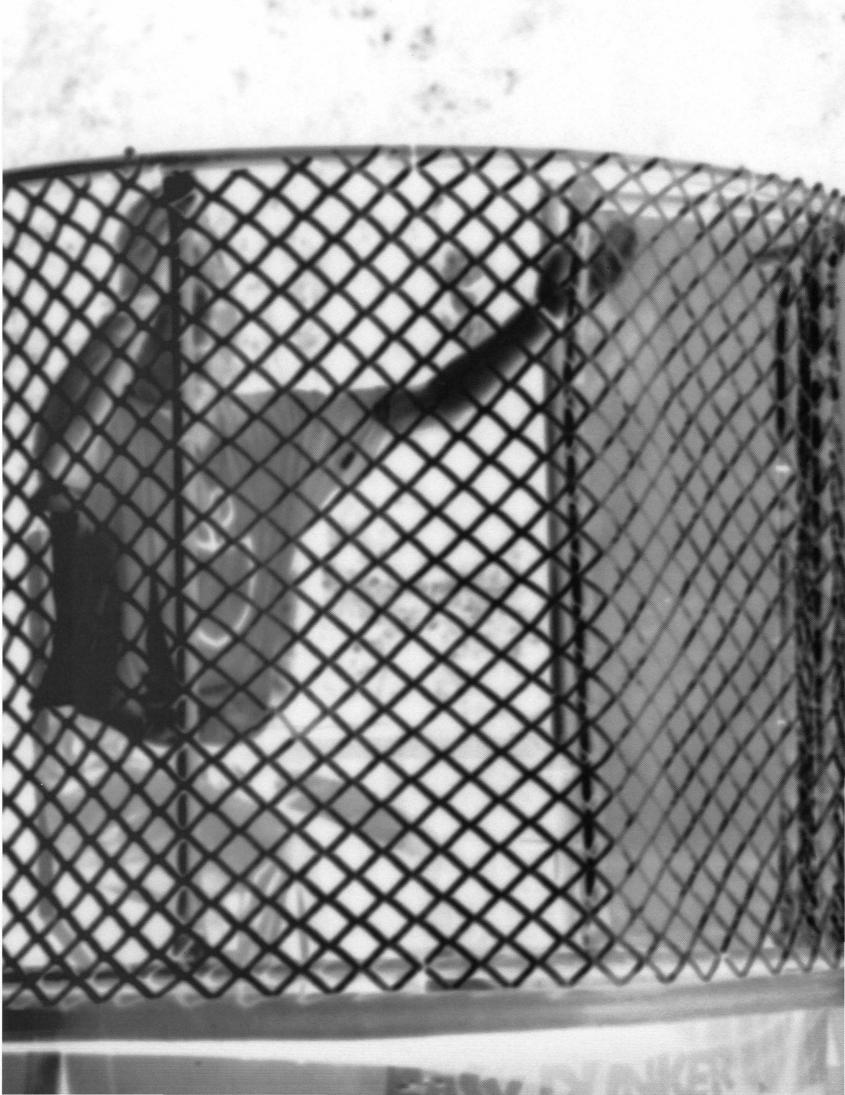
### **Beckman Celebrates 100**

Dr. Arnold Beckman, Caltech alumnus and preeminent benefactor, was honored with a fete in celebration of his 100th birthday. Born on April 10th, 1900 in Cullom, Illinois, Beckman came to Caltech as a graduate student in 1924. He was hired as a professor in the 1920's and 30's and, more recently, served as Chairman of the Board of Trustees.





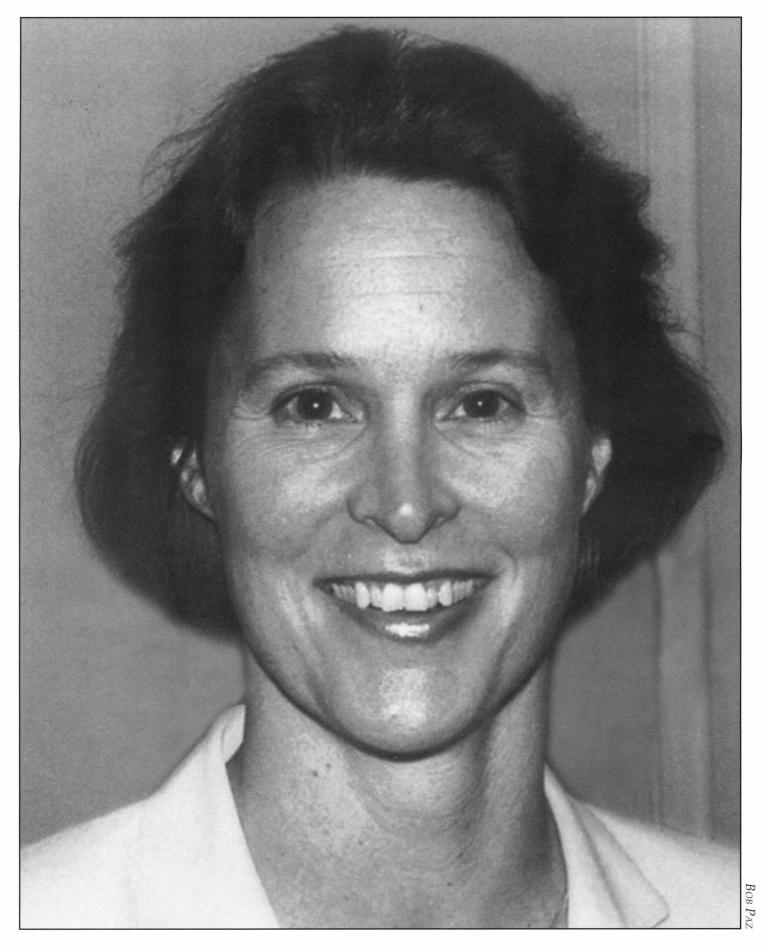






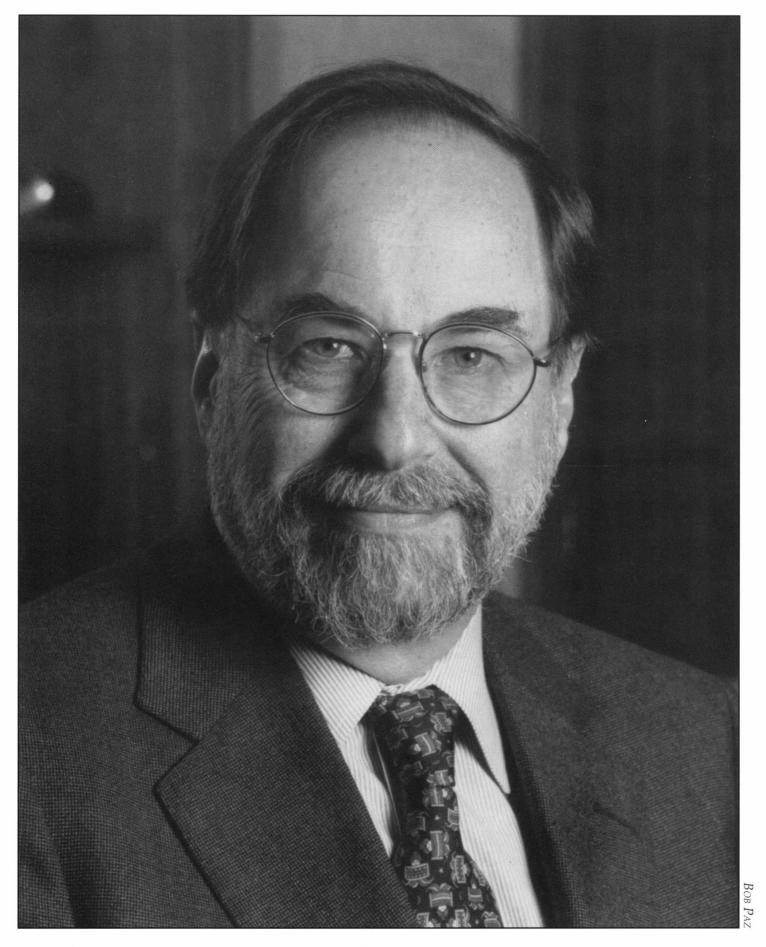
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At the ASCIT Carnival, Dean Jean-Paul Revel dunks VP Chirs Brennan with an illegal swat to the target.



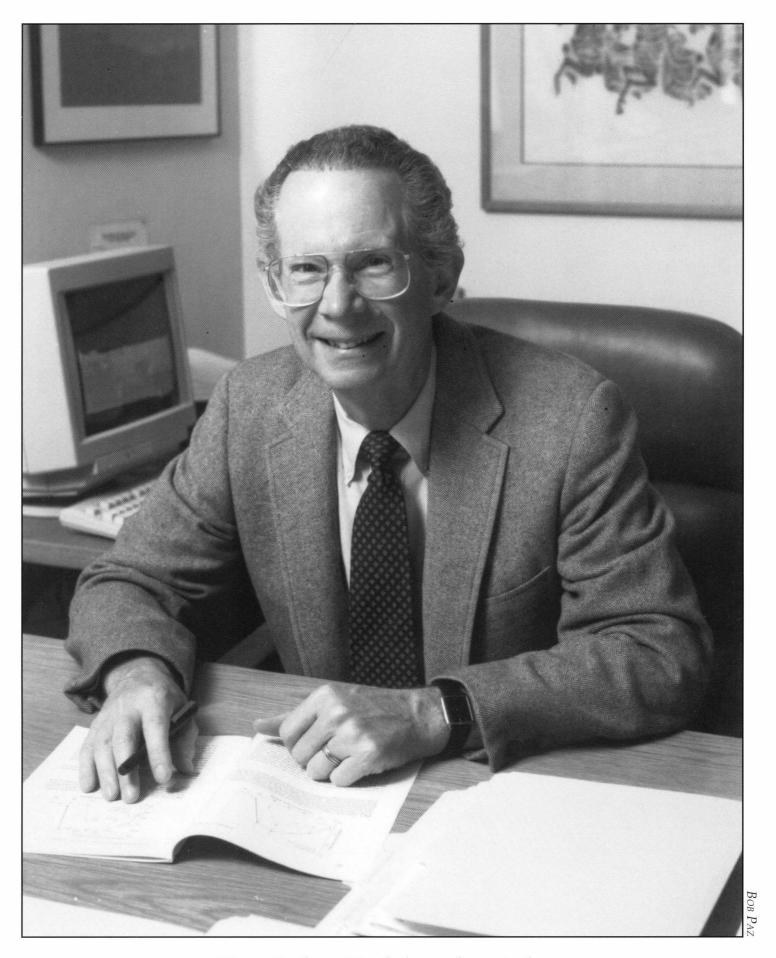
Dr. Frances Arnold

Dickinson Professor of Chemical Engineering and Biochemistry Elected to the National Society of



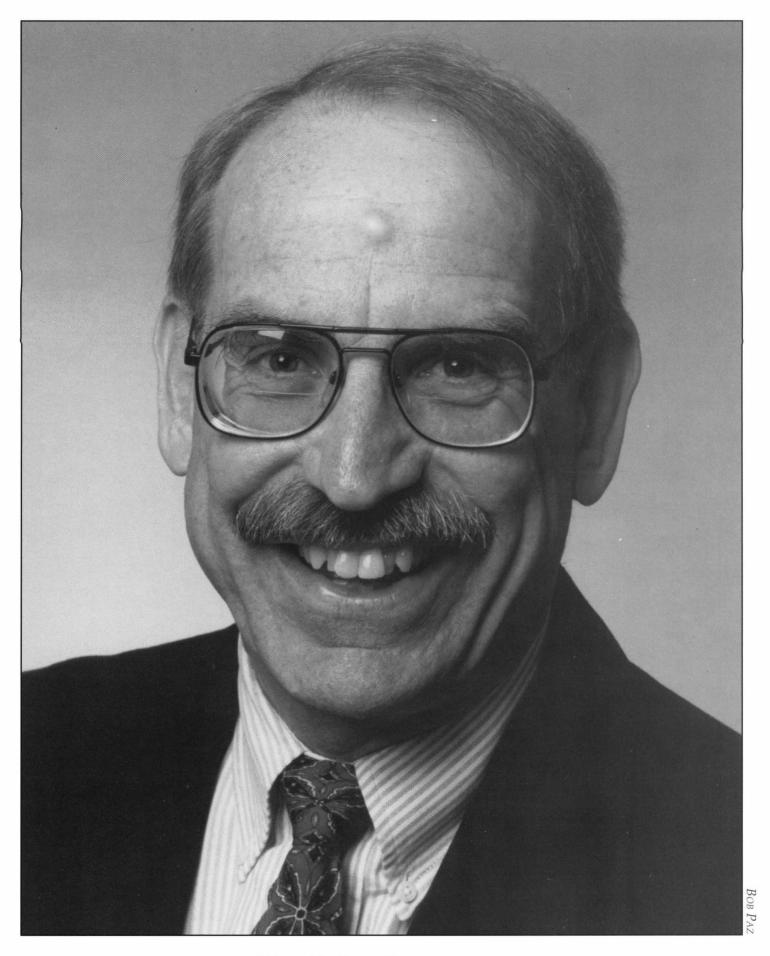
Dr. David Baltimore

President and Professor of Biology Winner of the 1999 National Medal of Science



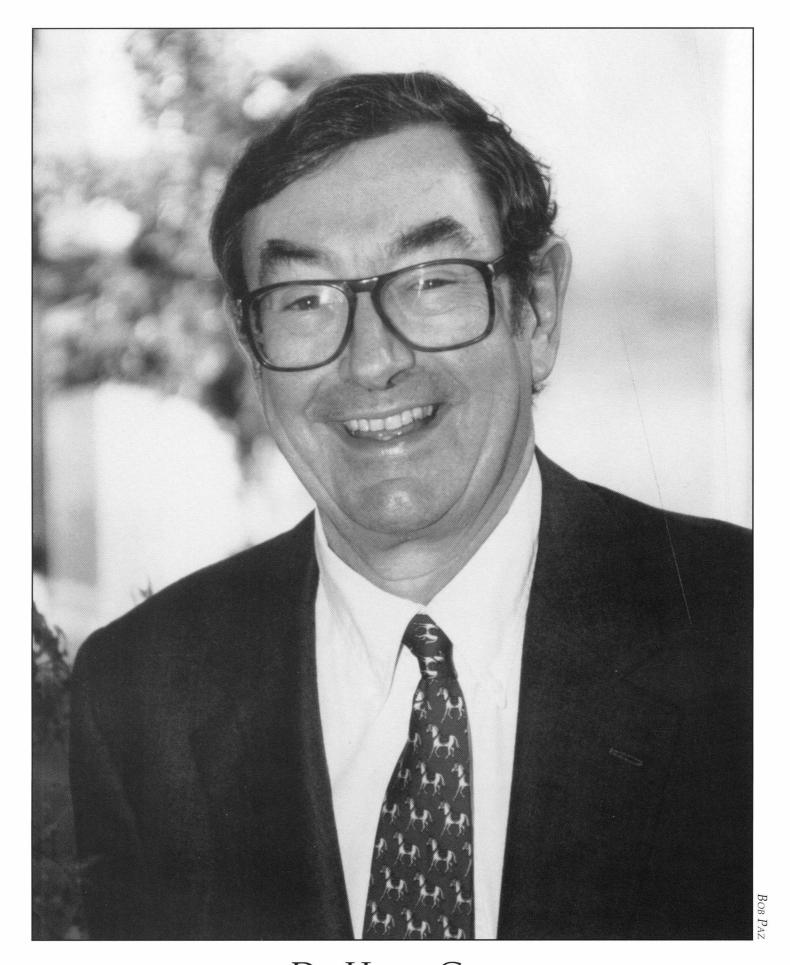
Dr. John Baldeschwieler

J. Stanley Johnson Professor of Chemistry Winner of the 2000 National Medal of Science

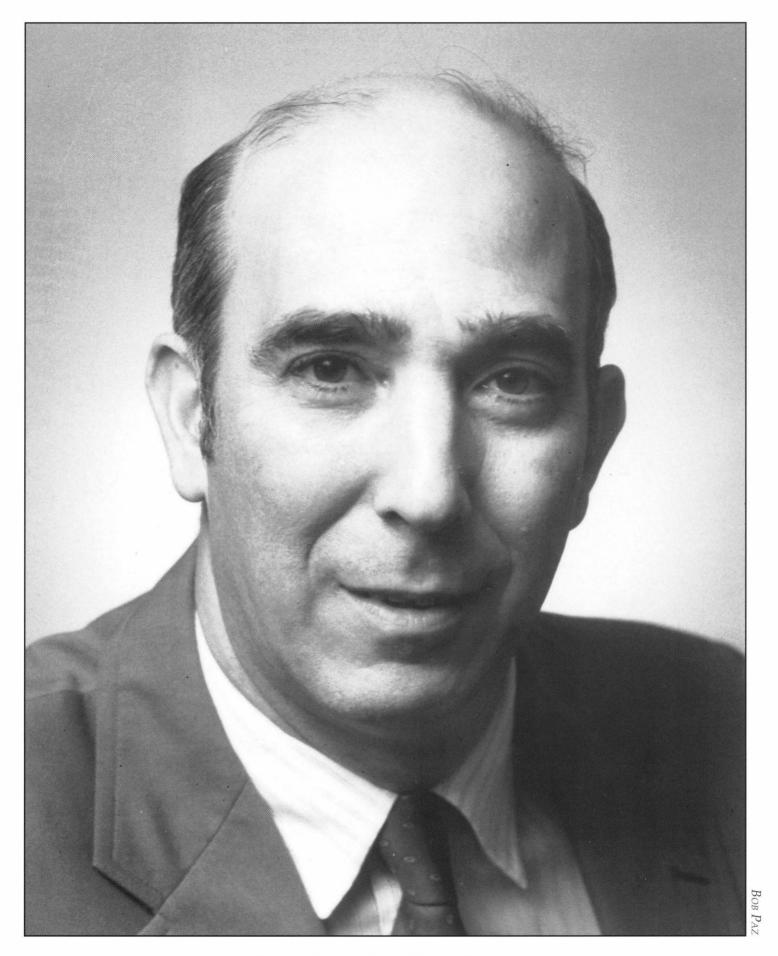


Dr. John Bercaw

Centennial Professor of Chemistry Awarded a grant to study methane conversion

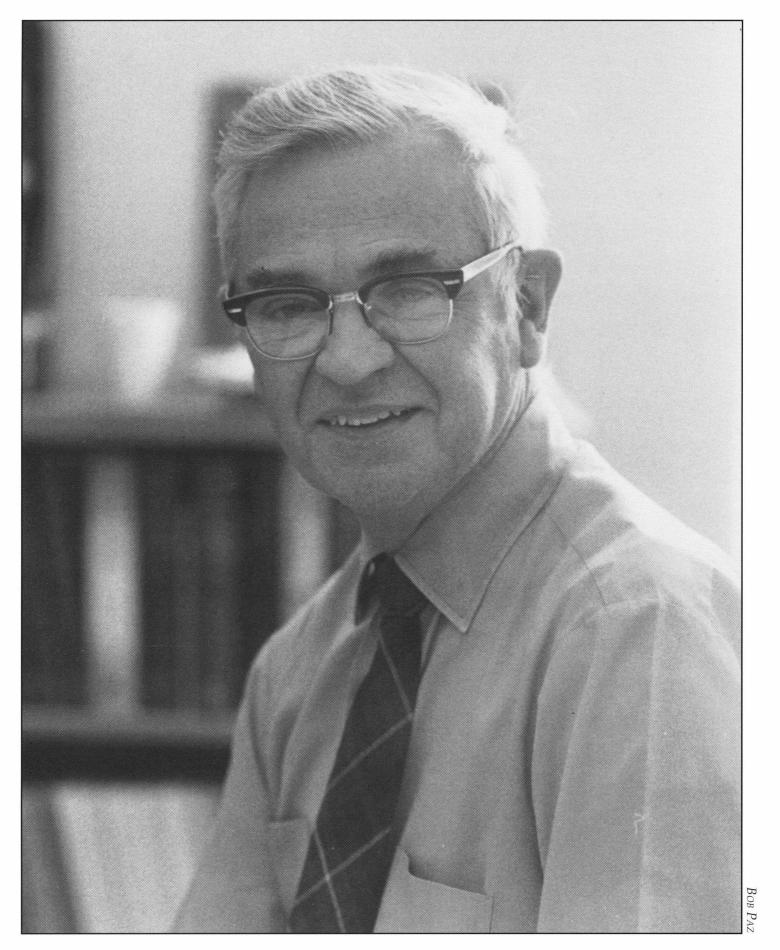


Dr. Harry Gray Arnold Beckman Professor of Chemistry
Named to Great Britain's Royal Society and the American Philosophical Society



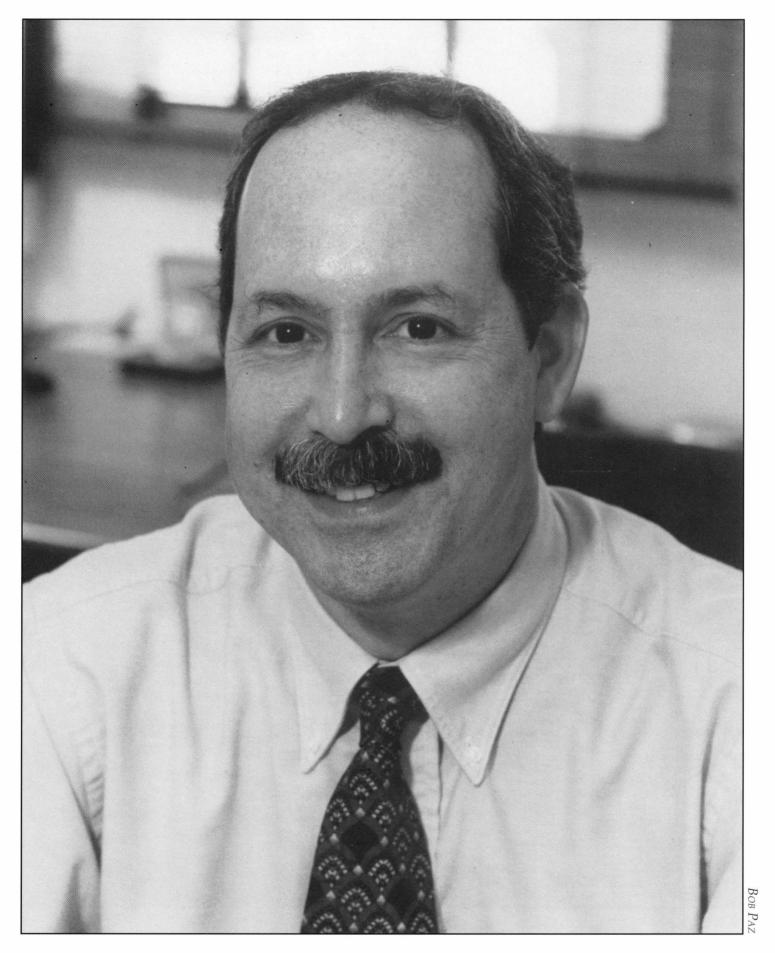
Dr. Daniel Kevles

J.O. and Judith Koepfli Professor of the Humanities Awarded the History of Science Society's 1999 Watson Davis and Helen Miles Davis Prize



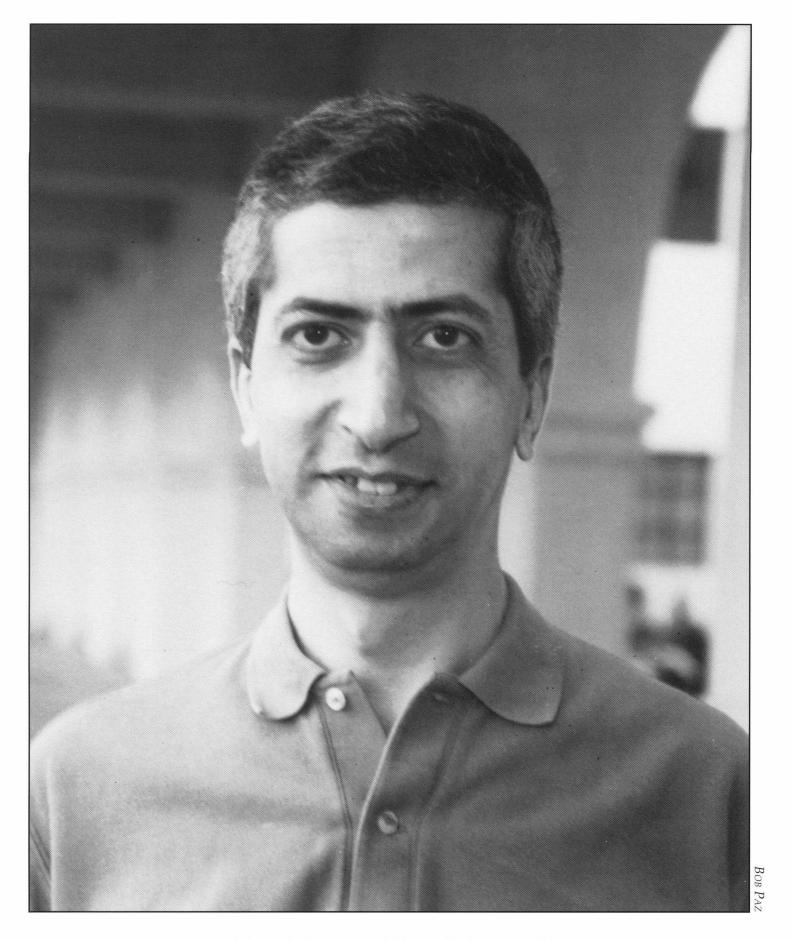
Dr. Frank Marble

Richard L. and Dorothy M. Hayman Professor of Mechanical Engineering and Jet Propulsion Awarded the Guggenheim Medal by the American Institute of Aeronautics



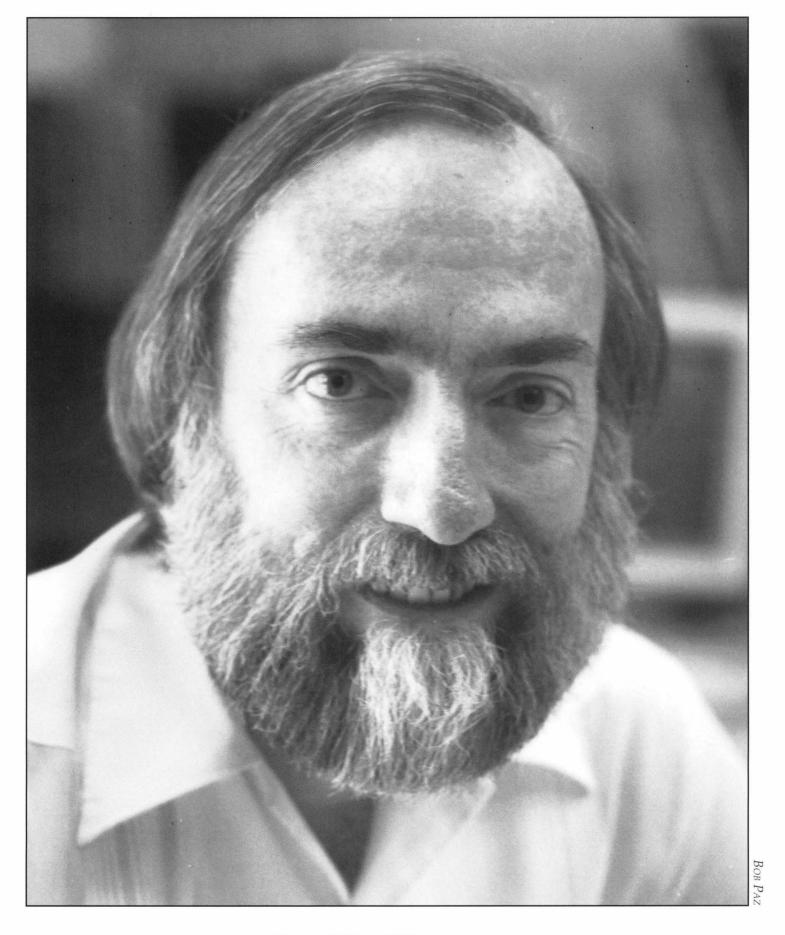
Dr. Eliot Meyerowitz

Professor of Biology Named to Chair of the Biology Department

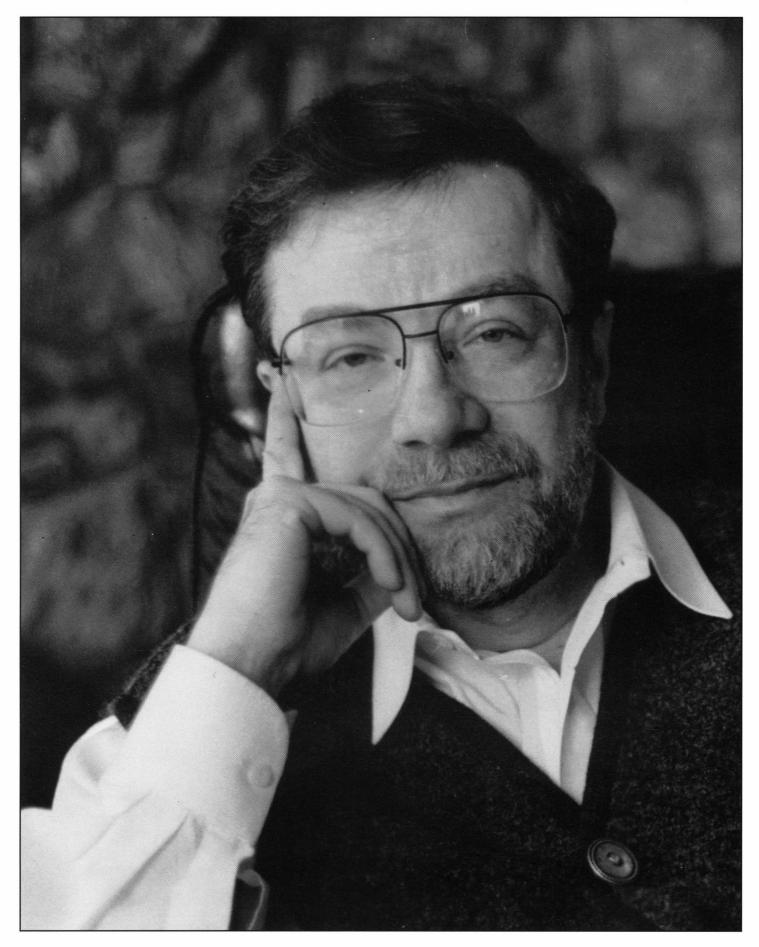


Dr. Yaser Abu-Mostafa

Professor of Electrical Engineering and Computer Science Received the Kuwait State Award

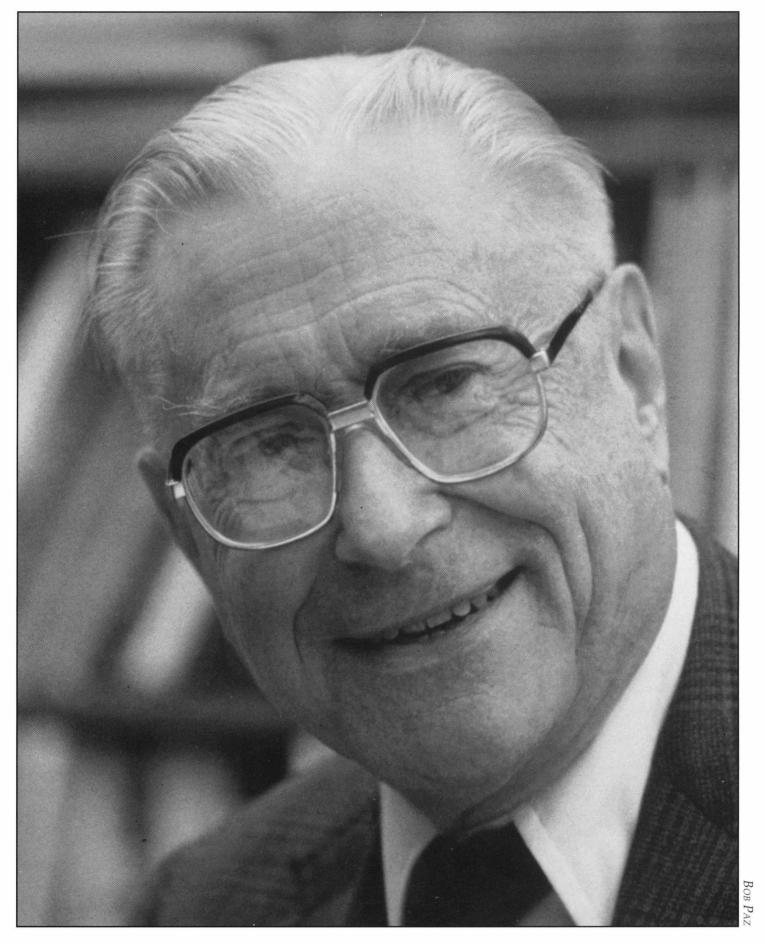


Dr. Kip Thorne
Richard P. Feynman Professor of Theoretical Physics
Celebrated his 60th Birthday



Dr. Alexander Varshavsky

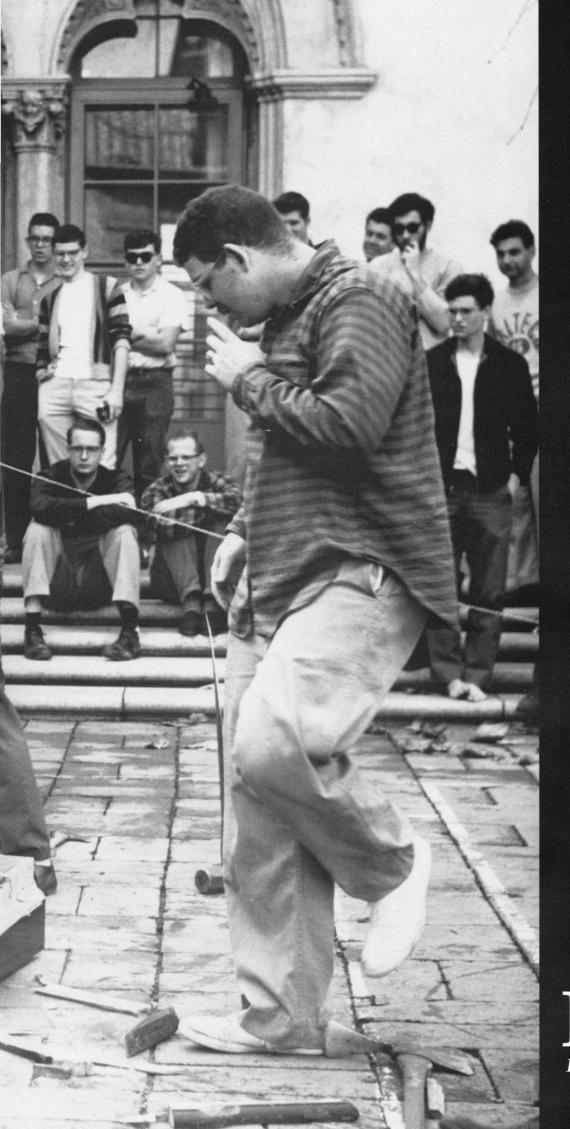
Howard and Gwen Laurie Smits Professor of Cell Biology Recipient of the 2000 Albert Lasker Award in Basic Medical Research



Dr. J. Harold Wayland

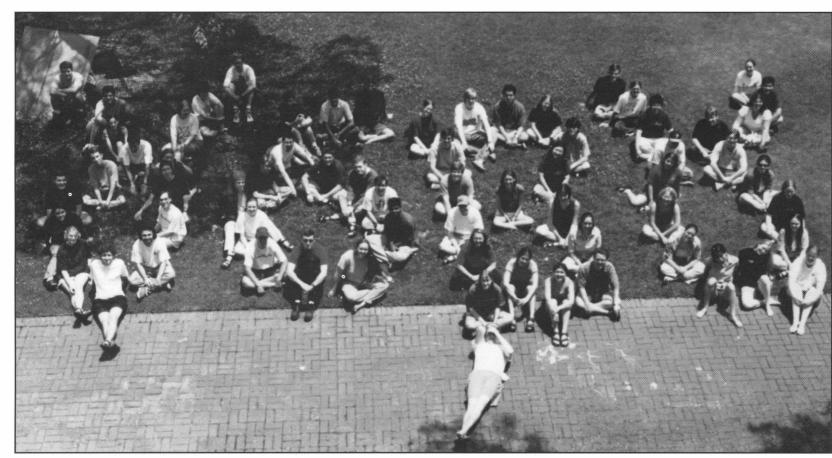
Professor of Engineering and Applied Science Renowned for his work in blood flow physiology, passed away at the age of 91





# HOVSES February 1963, Big T Archive

# blacker hovse



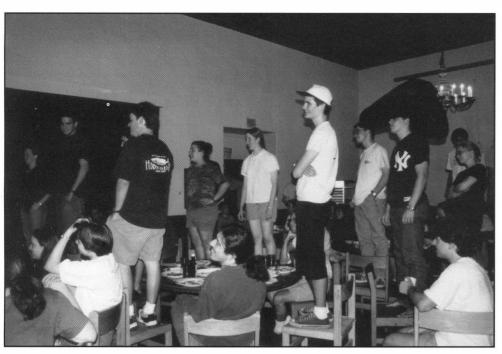


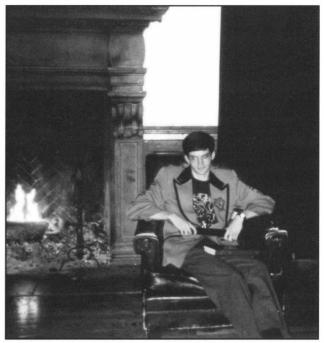
















Thanks to the efforts of Clifford Hicks and the generosity of Student Affairs, the Housing Office, and a number of alumni, Blacker's tapestry was restored by Norbert's Rug Gallery and Antiques and returned to the dining hall during third term. It was manufactured in the Dernier workshop in the city of Aubusson, France, circa 1750.



# freshmen



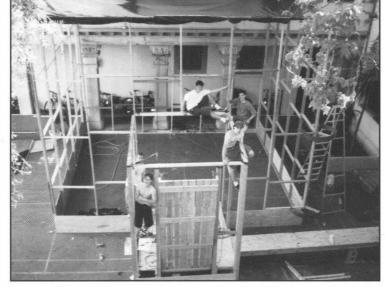
























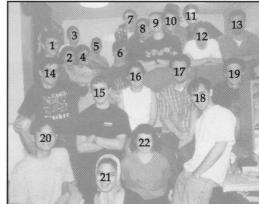
Front: Glenn Jones, Laura Elliott, Michelle Swann, Vikki Kowalski, Jared, Updike, Kaisa Taipale. Middle: Vikram Dendi, Colin Rundel, Sean Szeja, Clayton Featherstone, Dan Fabrycky, Jon Toomey, Jeff Edlund, Jon Foster, James Worcester, Jesse Pino. Back: Sarah Warren, Christina Telles, Sarah Teegarden, Nora Mullaney, Julia Greissl, Minta Akin, Krista Ehinger, Grace Wildanger, Maki Hattori, Jeff Fonck, Nathan Wozny, Steve Paik. Hanging: Rob Lion. Not pictured: Leo Alekseyev.



#### sophomores



1 Tom Borchert 2 Katharina Kohler 3 Joe Fassler 4 Aaron Simons 5 Adam Yates 6 Stephen Thrasher 7 Todd Schuman 8 Tory Sturgeon 9 Molly Swanson 10 Tim Crosby 11 Nate Austin 12 Jeremy Tollefson 13 Chris Elion 14 Garrett Blankenburg 15 Luigi Celano 16 Teodora Beloreshka 17 Nick Knouf 18 Dave Guski 19 Chad Young 20 Ralph Lin 21 Ayeh Bandeh-Ahmadi 22 Faith Fulton Not pictured Mary Beard, Cindy Chen, Michael Cheng, Jane Greenham, Eric Sieg Curtis Smith, Weiwei Yang

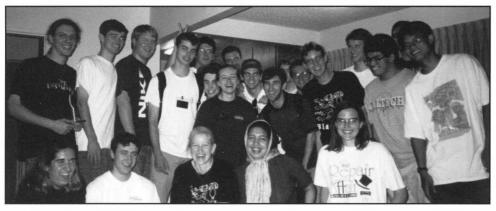








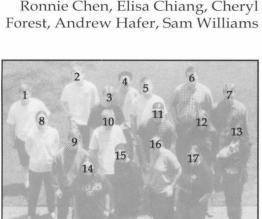






#### juniors

1 Christian Thomas 2 Jay Catherwood 3 Brian Platt 4 Harry Liu 5 Stona Jackson 6 Peter Freese 7 Robin Friedman 8 Jen Caron 9 Nathan Flowers-Jacobs 10 Mark Barrett 11 Seth Miller 12 Amy Peterson 13 Wedge Cheung 14 Kristin Commer 15 Celeste Yang 16 Madeleine Price 17 Andrea McColl Not pictured Afie Abidi, Ronnie Chen, Elisa Chiang, Cheryl













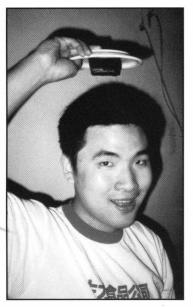


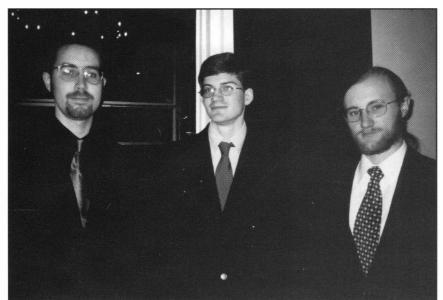


#### seniors

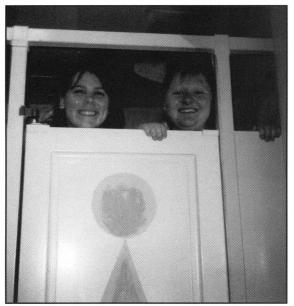


Front: Kacie Shelton, Kjerstin Easton, Kristine Nielson, Wren Montgomery. Back: Robert Enright, Yifan Yang, Adrianne Hyldahl, Amy Barr, Clifford Hicks, Eric Hale, Andrew Childs, Juna Kollmeier, Nicholas Breen. Not pictured: Anne Kelly, Kevin McCarty, Steve Mueller, Hannah Peck, Rafi Rubin, Nathan Schara.











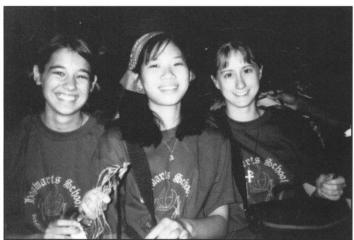


## ditch day



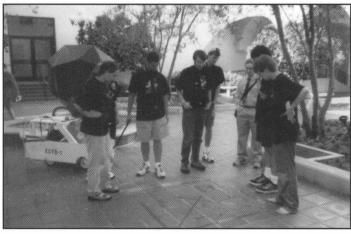


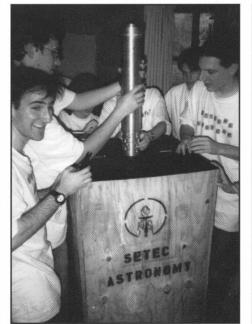


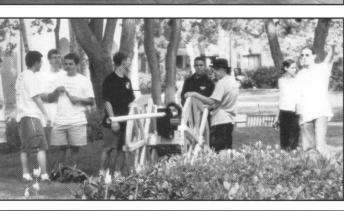








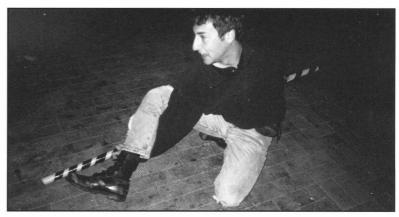






#### resident associates







Keith Matthews and Jennifer Shively

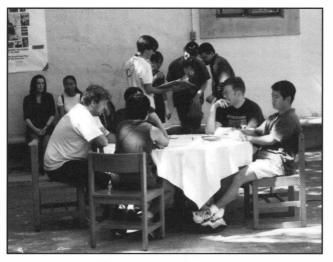
#### associates' tea













# interhovse

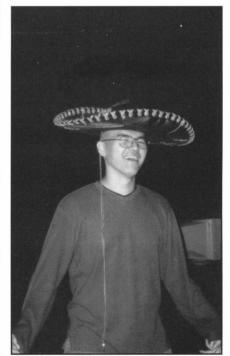












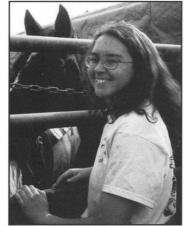




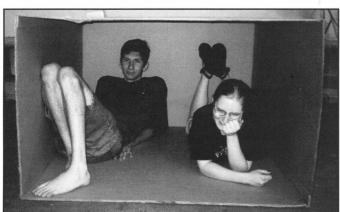










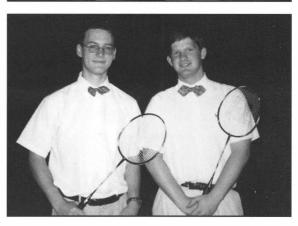










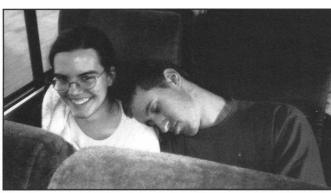


































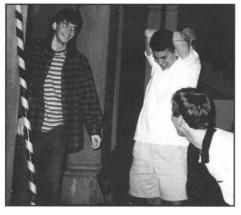














Thanks to Nicholas Breen,
Wedge Cheung, Eric Hale,
Clifford Hicks, Adrianne
Hyldahl, Amy Peterson, Kacie
Shelton, Stephen Thrasher,
Jon Toomey, Celeste Yang,
and everyone else in the
Church and Hovse.
– Andrew and Faith

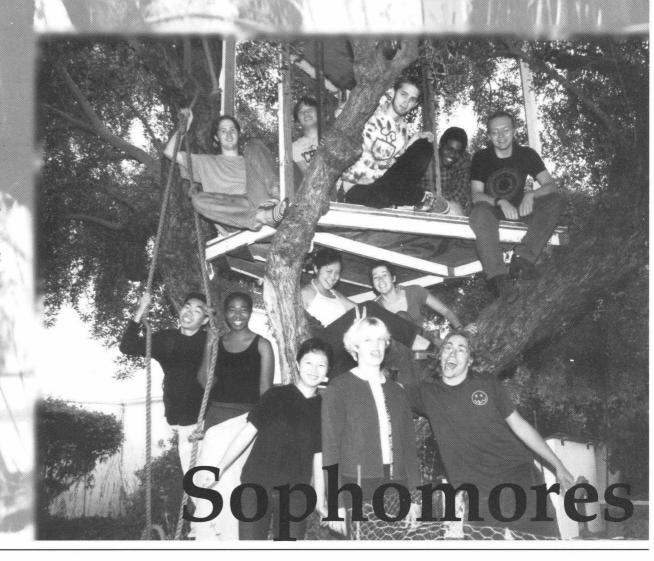


# Dabney Hovse



Front: Mark Rudner, Liz Stameshkin, Sitting: China Hanson, Tim Jones, Janessa Link, Maria Brumm, Sangeeta Bardhan, Standing: Dan Somen, Paul Choi, Zack Chadick, Andy Conner, Alastair Kusack, Jason Frantz, Beth Sciaroni, Oana Tocoian, Sara Cina

Standing Row: Jia Mao, Rebecca Stob, Matt Ashman, Tree Row: Brian Eng, Bridget West, Ellen Wei, Dana Vukajlovich, Treehouse: Philip Nowell, Phil Fung, Samuel Thompson, Richard Bowman, Peter Meilstrup





Floating: Joy Iustice, Steve Craver, Jay Hubisz Back Row: Ryan Simkovsky, Francis Macdonald, Dev Kumar, Travis Waddington, Noel McGuinness, Kathryn Todd, Florian Bohn, Vanessa Sih, *Justin Smith* 

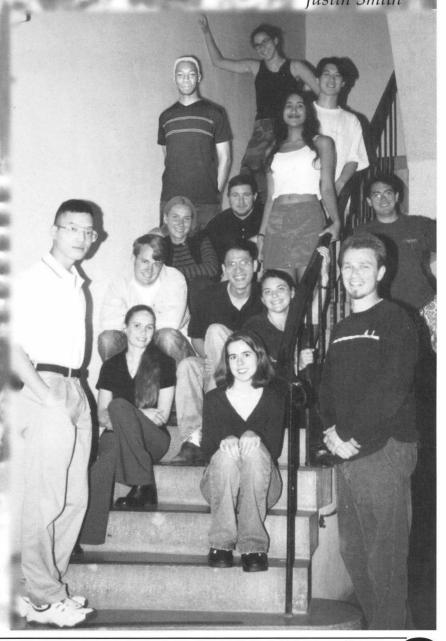
# uniors

#### Not Pictured:

Elisabeth Adams, Josh Adams, Owen Aftreth, Michelle Allis, Fernando Campos, Augusto Callejas, Ameera Chowdhury, Mauricio Cordero, Ingrid Cotoros, Lisa Cowen, Lilli Davis, Tuc Henderson, Emily Johnson, Iljie Kim, Andrew Koehl, Matt Paul, Dan Murphy, Rory Sayres, Kevin Shand, Martha-Helene Stapleton, Bryan Tiedemann, Melissa Todd, Morgan Venable, Emily Wang, Marcus Williams, Wei Wei Yang

# Seniors

Going Up: George Chung, Melissa Parish, Michelle Armond, R.A. Bryan Smith, Sarah Milkovich, Charless "Monty" Fowlkes, Anh Pham, Gabirel Au, Agi Wojciechowska, Eric Fischer, Kudah Mushambi, Dee Ghosh, Jianhui Zhang, Juna Kollmeier

























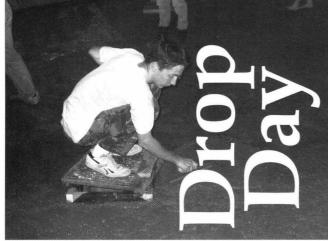
































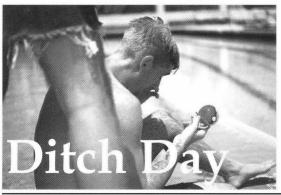








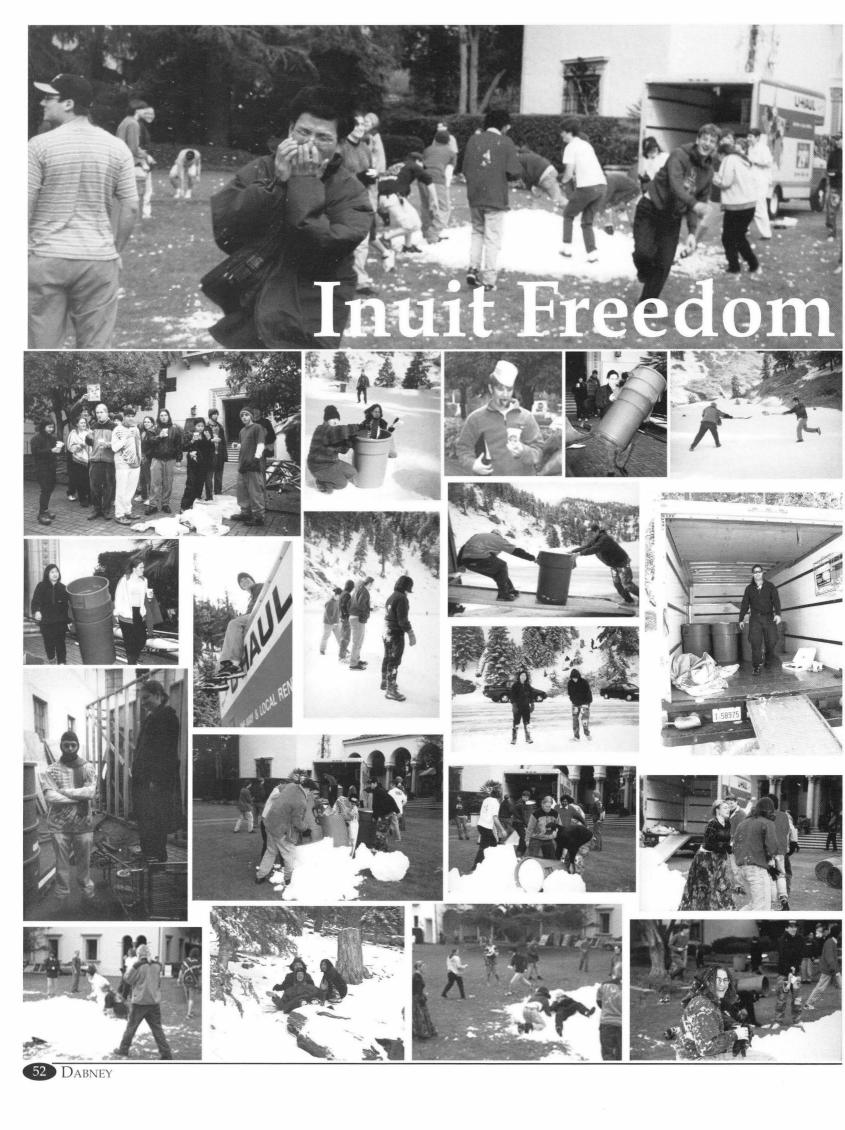












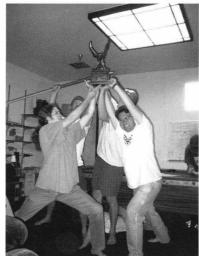








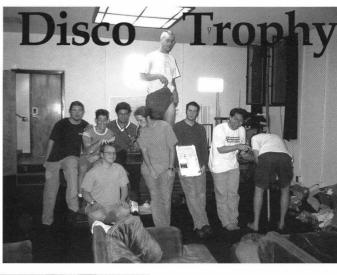










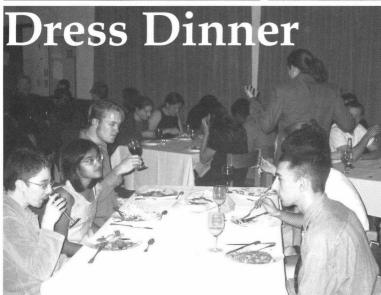






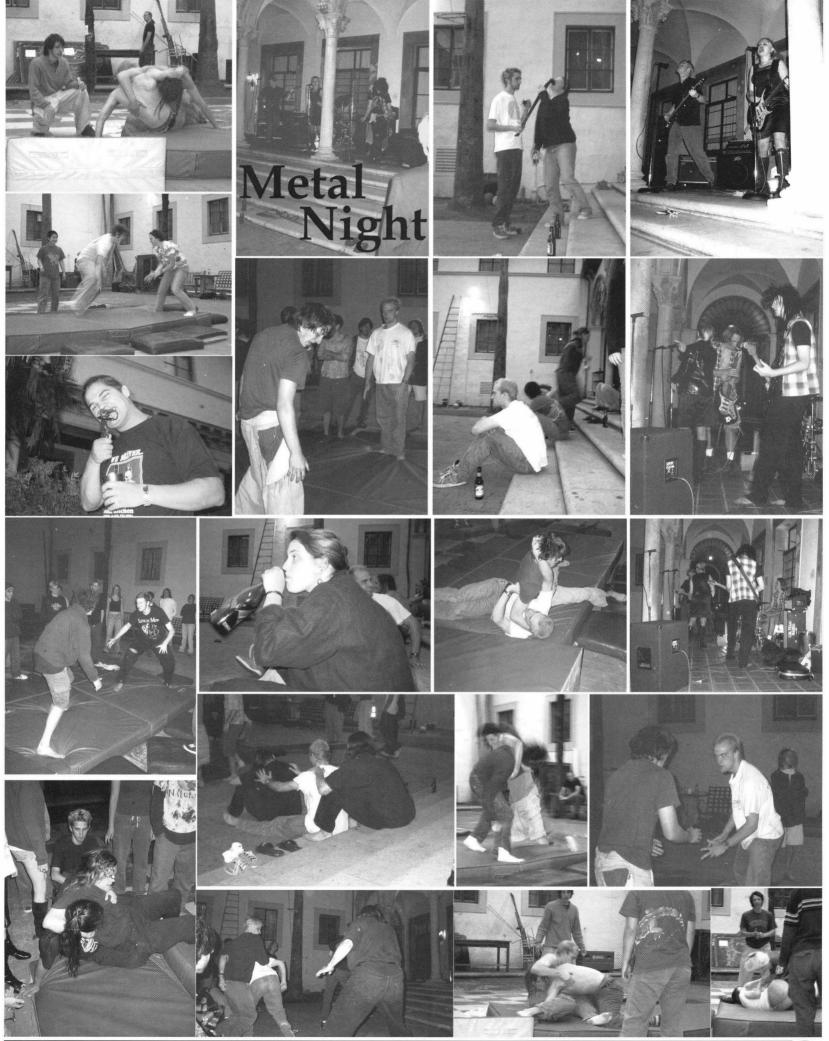


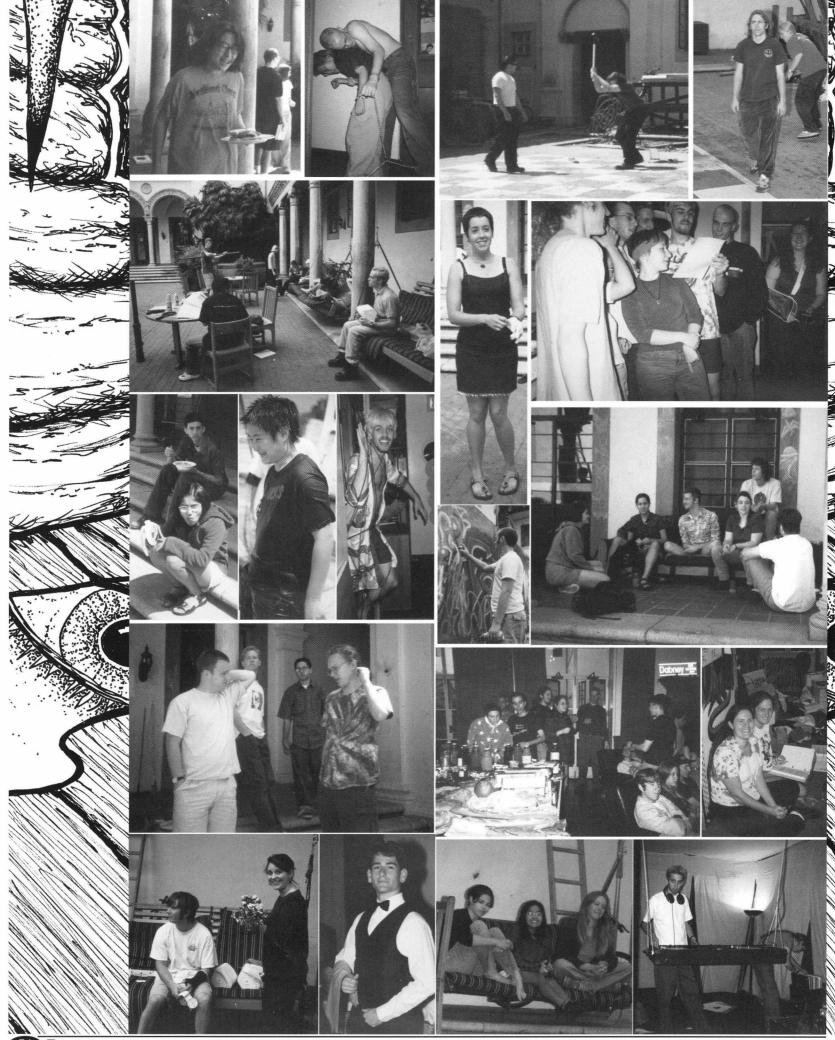


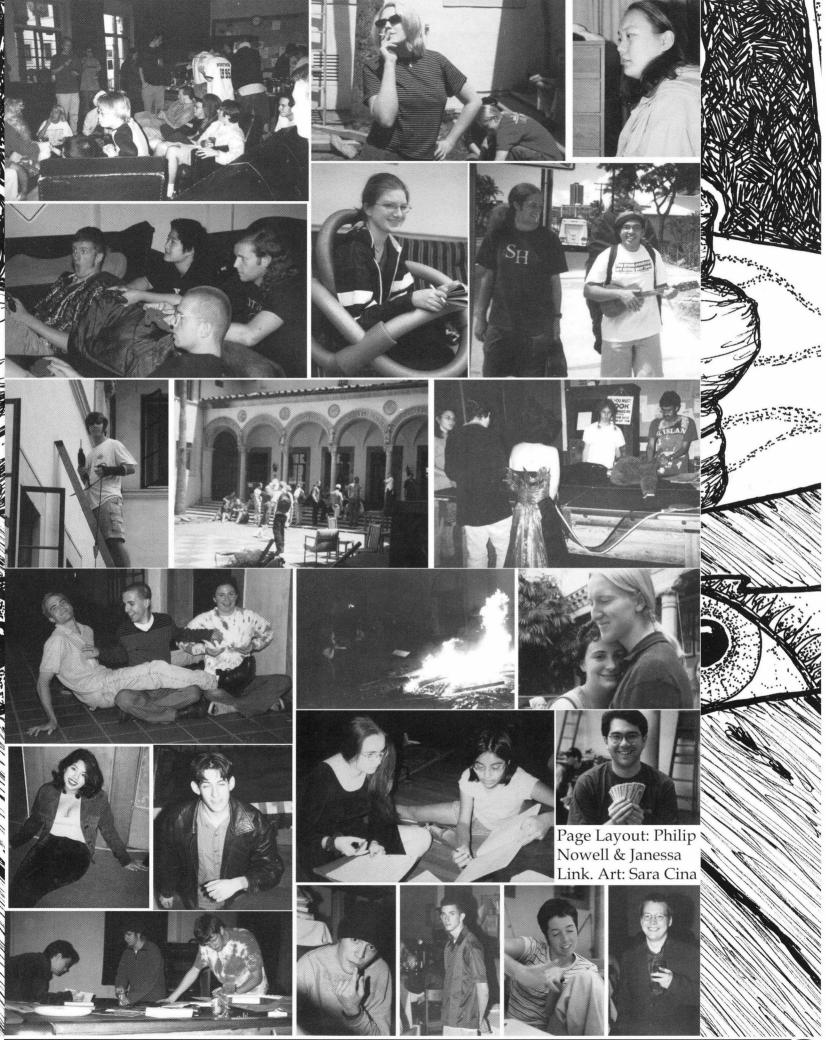












# FLEMING HOUSE





Dan, BJ, Alec and Elisa



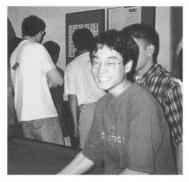




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# **UCC-BBQ & Caroling**





Left: Yuki welcomes frosh. Center: Auna and Jon enjoy the BBQ.Right: Eric and Martin barbeque.

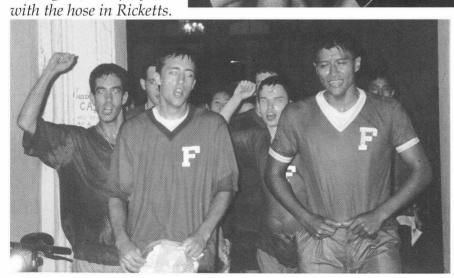


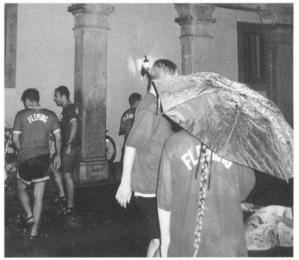


Above: Brad and Ben head to Ruddock. Right: Brian, Mike, Scott, Chris and Cory struggle to shower a Rudd. Far Right: Jason plays











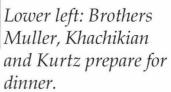
From top left: Adam, Matt, Tom and Cisco signal victory. Merc protects herself from the showers. Dan hugs the Flems. Matt shares congratulations.

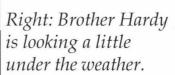


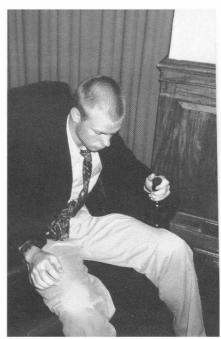
# R M A



Upper left: The Fleming Women.













Above, left: The Officers preside over dinner. Center: Sean makes his DAPAC announcement. Right: Everyone loosens up a little and shows their red.









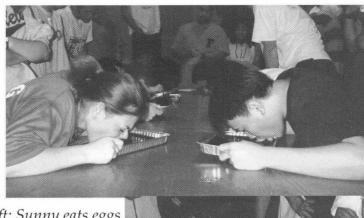
Upper left: Brian relaxs as Wee Kung, James and others carry him to Millikan. Upper right: The freshman get chairs from the Page courtyard. Lower left: Ilya and Auna hold Brian's arms as Andrew gets the Nelson. Lower right: Brian floats exhausted in the Gene Pool.

M

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#### Fecathlon





Left: Sunny eats eggs. Upper right: Jason and Caroline slurp Jell-o.

Lower right: Auna and Jason munch on Saltines.







Far left: Tom helps Jason with his TP roll as Miguel watches.

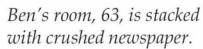
Left: Martin tries to tie Sunny.

Right: Rachel drinks LOTS of water.



#### Ben's Room??









# Athletics: Our



#### **Ath Team**

Kevin, Andrew, Arjun, Marc, Jorge and Linda.

Center: Jon Ladd - nice ponytail! Top right: We cheer. Bottom right: Linda and Jorge work out strategy.













Above: Jason holds the flag. The seniors play together for the last time. Vikram grabs it. Michael observes. Elaine throws. Matt puts one up. Sunny relaxs.



Left: We play soccer with Page. Center: More soccer. Right: Jay fakes 'em out.





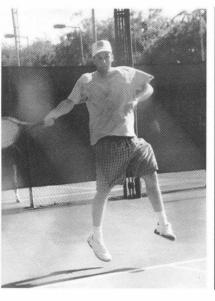
Below, left: Linda swims to victory. Center: Rachel throws the shot as Will and Nita watch. Right: We play V-ball vs. Page.





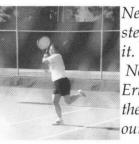


#### Pride and Joy



Near left: Adam pitches. Near right: Nita serves.

Left: Bill smacks it back.

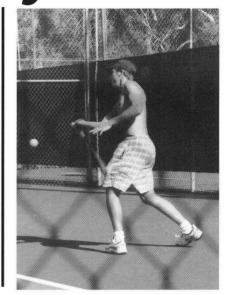


Near left: Vi steps into Near right: Eric gets the runner out at first.



Right: Matt lines the shot up.





Winning both the Discobolus and Interhouse trophies entitles us to have some fun.



Above: The dining room: BEFORE.





Above: Ted and James congratulate themselves.

Above, center: During the mayhem Jon looks on in bewilderment.

Below, from left to right: Jon washes off the other participants. Auna helps clean up. Kathy reflects on the state of her clothes. Dan - what's that on your nose? Jorge and the dining room: AFTER.



M











### Do we know how...



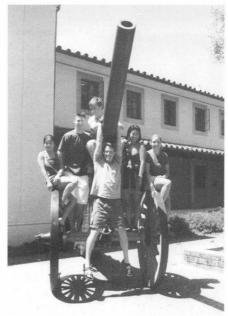




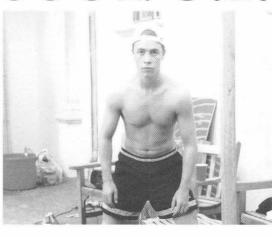
Above, left: Tina staples down chicken wire in preparation for BFP: The Mine. Center: Vikram fastens burlap as the ceiling. Right: Merc works on the mining cart.

#### SOC 1: Nita





#### SOC 2: Gurt

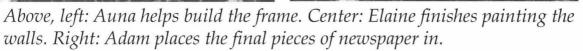


From left: Elaine, Jon, Gurt, Nita and Rachel. Will hanging.

#### **SOC TEAM**







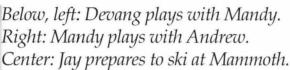


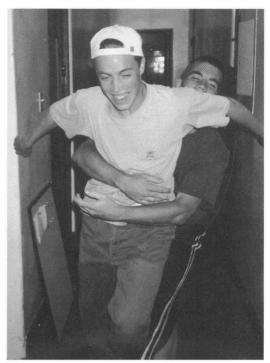
# to have FUN??





Above, left: Dan marvels at Millikan's temperature. Center: Auna knows how to make learning fun. Right: Gurt struggles against Craig's efforts to shower him.

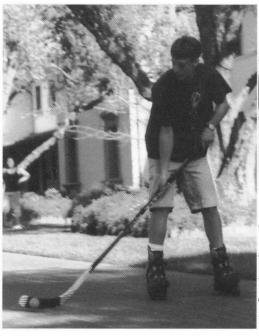














Left: Matt lines up his shot. Center: A shot from the warm lodge of cold Mammoth Mountain. Right: Arjun decides against hitting Brad at 8 am the morning of Ditch Day.



# girl stuff



Above: Kim hangs out at the MOSH's. Near right: Tina makes a Christmas ornament. Far right: Elaine - in a mask!







Above, left: Mandy decorates the gingerbread house. Center: Tina helps highlight Amy's hair.















*Top right: Gurt primps. Above (L to R):* Mojo's tattoos are complete! Justin had Tina's help in gluing all those rose petals on. Elaine, Jon's pimp, is very protective. Chris plays the little Catholic schoolgirl too well. At left: Mojo, Gurt and Justin pose after the show. Mmm, mmm... nice tush!

Historian Carrie Bunce

Historian-elect Kathy Scott

Thanks to Elisa, Justin, Tina and Ben

# frosh events

#### Football vs. page







Left:The linemen do a great job giving Arjun and the receivers time. Center: Come for the football, stay for the BBQ! Right: Vikram stays strong at center.







Left: Arjun runs the ball. Center: Kevin makes a fabulous catch. Right: Jon has the upper hand with Peter, aka Lips.

#### **Grand Tour**

When the Head Waiter and the President misbehave at dinner the frosh set them straight.







Above, left: Matt Hughes helps get BJ. Center: Auna gets the Nelson on Matt. Right: The group tromps up the ALley SIx stairs. Near left: Vi and Eddy hold Matt's hands away.



# Freshmen



First row (L to R): Kathy, Merc, Rachel, Neha, Randie. Second row: Jen, Marc, Craig, Arjun, Ted, James, Kevin. Third row: Jay, Vikram, Michael, Andrew, Kevin, Collin, Ilya, Eddy, Will, Wee Kang.

Sophomores



Front (L to R): Gurt, Laurie, Mojo, Brian. Back: Caroline, Sean, Tom, Sunny, Derek and Jason.

**Juniors** 



On the side (from back to front): Yin, someone, Mike, Steve and Tuom. The pile (form the bottom): Adam, Eric, Alec, Dan, BJ, Jon, Mandy, Linda, Jen, Nita and Carrie.

# Seniors



Front (L to R): Greg, Bill, Jason, Liz, Chris K., Matt, Martin, Chris B. and Ben. Back: Cisco, Baldeep, Cory, Jay, Ryan and BJ.









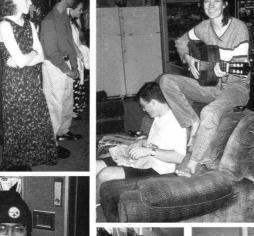












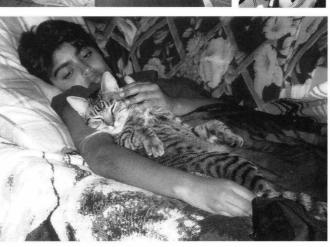


# Lloyd

## House

### A Story.

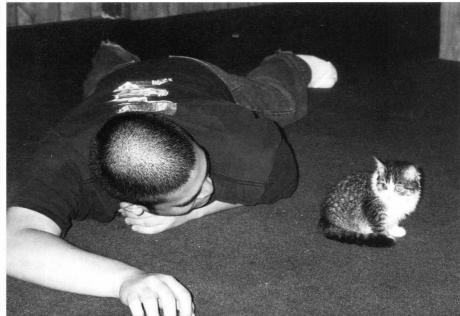
Lloyd House was a nice boy who got into a good school that was really really hard. He saw many new things at school.















At first, he thought he couldn't do anything but work, because it was so hard. But then he realized he was on pass/fail and started to learn, for the first



time, some really useful stuff.

Lloyd started to get to know people first term. Some people were nice and some people were scary, and some people didn't come on campus much. But he got to see many strange people doing many strange things, and wondered what strange things would happen to him while he was at school.

After a while watching people and seeing what they did, he decided he was ready to really be himself: In short, he decided it was time to get personal style...















Lloyd House tried to fit in with each class. He hadn't yet bought a swimsuit, so he couldn't join the frosh at the beach. He was afraid of water, so he couldn't dive in with the sophomores. The juniors were way too ghetto for him, and he didn't have enough rejection letters to fit in with the seniors.







### **Juniors**

(left to right)
Travis Hime, Jessica Wuu,
Stephen Bird, Eric Tuttle, Vit
Hradecky, Dave Antonio, Joe
Schaeffer, Tim Elling, Chris
Arnesen, Jane Garrity, Matt
Reese, Sam Bench, Melinda
Turner, Pei-Hua Hung, Ewa
Matejska, Jit-Kee Chin, Elitza
Maneva, Derrick Hasterok,
Andy Griffin





### Freshmen

(left to right)
Johnny Lam, Isaac See, Alex
Adriaanse, Kelly Klima, Linda
Strubbe, Wendell Misch, Clinton
Conley, Luke Voss, Tim Wan, Ben
Mathews, Luke Ekkizogloy, James
Burgess, Elise Kleeman, Matt Jones,
Ryan McDaniel, Sarah Davis, Chad
Kessens, Katie Mack, Julian Pellico











Excomm Andy Griffin, Curtis Pehl, Dave Antonio, Stephen Bird, Eric Morganson, Josh DenHartog, Derrick Hasterok, Rachel Dexter, Dan Liebling



### Seniors

(clockwise from upper left) Dan Rogstad, Matt Bachmann, Selwyn Scharnhorst, Pete Frazier, Matt Sullivan, Stephen Shepherd, Tim Reed, Aaron Kuzin, Megan Linnehan, Sandip Darji, Keshav Dani, Melvin Leok, Damien Burch

### Sophomores

(left to right)

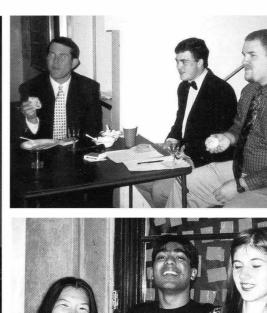
Doug Baker, Fred Eaton, James Dennedy-Frank, Helen Hosein, Dan Liebling, Mike Russo, Nadia Haq, Eric Morganson, Daina Paulikas, Julie Norville, Thea Lu, Gilead Wurman, Den Thap, Christophe Maquestiaux, Clayton Otey, Michael Shulman, Curtis Pehl, Leah Fox, Sara Quan, Nick Tanushev

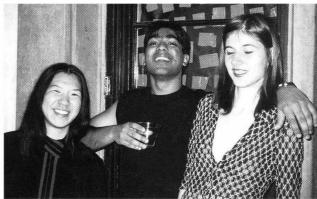


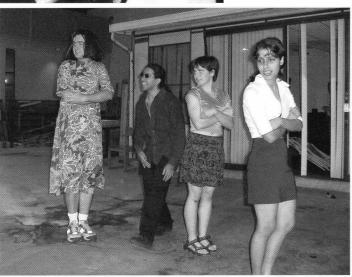












As Lloyd House continued seeking his personal style, he learned something new about himself... he didn't look so hot in a dress.











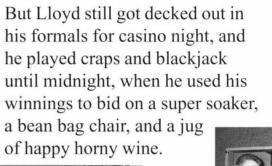










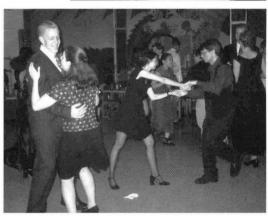


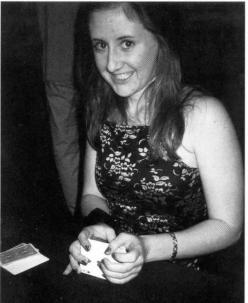






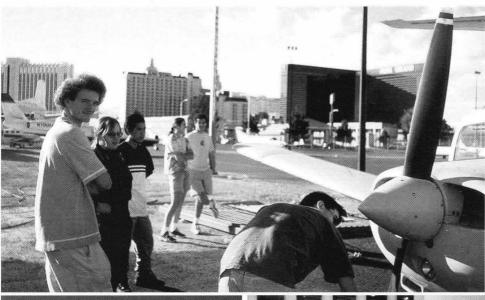




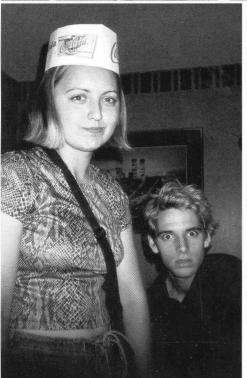




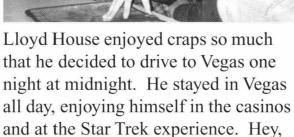








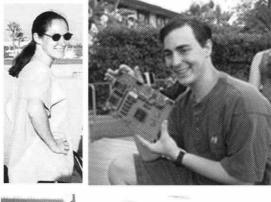




he is a Techer after all. So he gambled and enjoyed the fine

dining Las Vegas has to offer. Namely the all-you-can-eat buffets for five dollars. So after gorging himself at Excalibur, he took a ride in a four passenger jet for an aerial view of the city, and managed to lose his lunch from the pilot's bumpy landing.

























enjoyed seeing the

belly dancer at









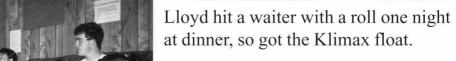








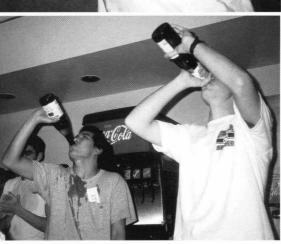






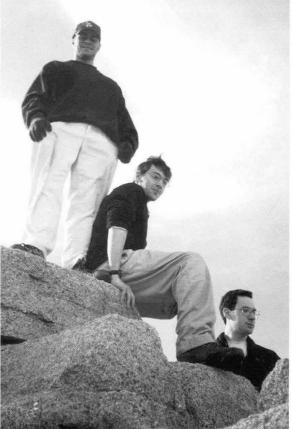














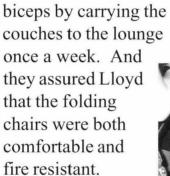


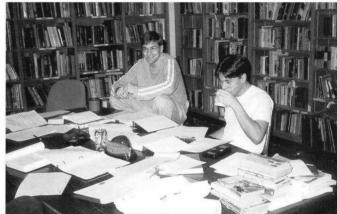






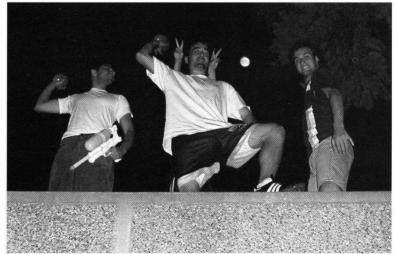
Lloyd House had spent so much time finding his personal style that he fell behind on his work. But no worry. He was on pass/fail. He just learned to balance problem sets with showering wars, cutthroat, interhouse, blow pong, excomm, hiking in Joshua Tree, and hanging out in Lower Crotch, which sometimes existed. Not often, though. At least those guys in housing got a chance to show off their bulging





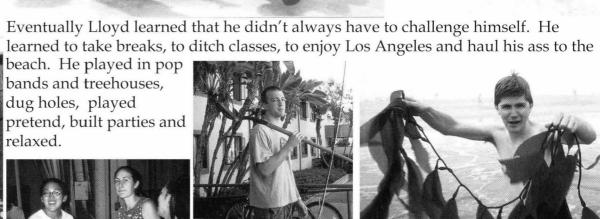


















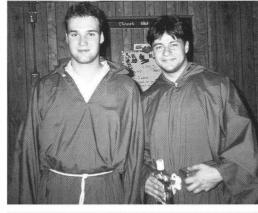










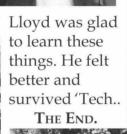












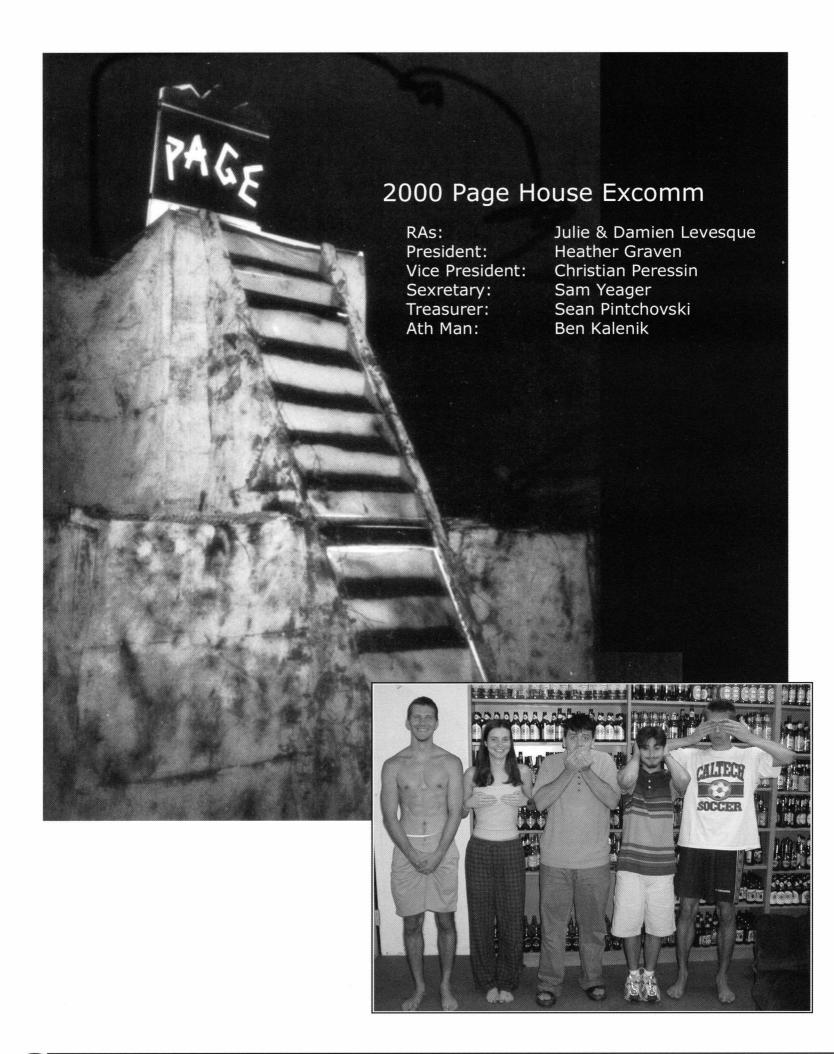


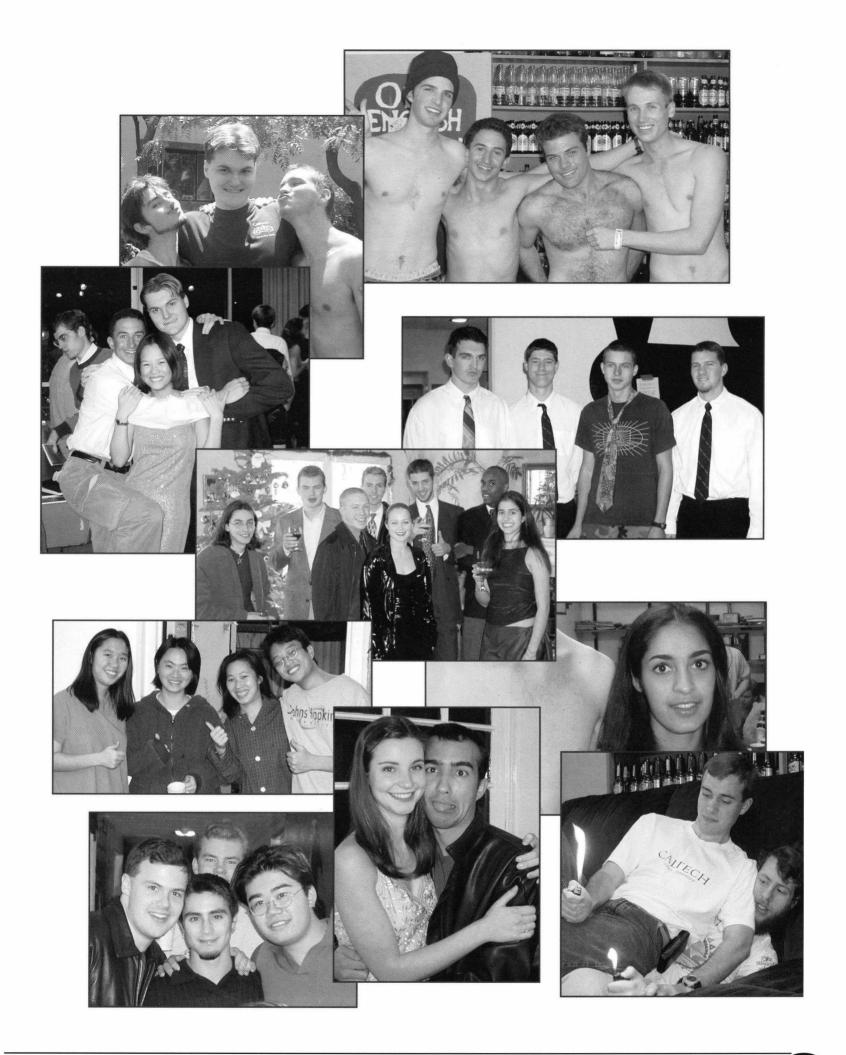


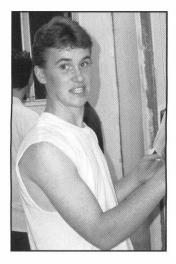


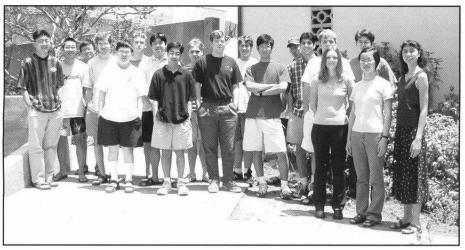












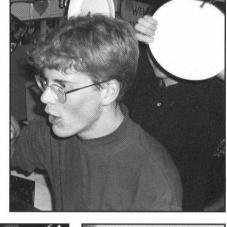


Freshman Class Photo - Makoto Ueno, William Ko, Alan Chang, Peter Thomas, Caleb Lo, Gene Short, John Chang, Kaisey Mandel, Kaloyan Penev, Jim Pugh, Isaac Miller, Eugene Cheung, Tim Yoo, Omar El-Sheikh, Tom Trammell, Emilie Sharp, Matt Norman, Tin Yui Lam, Serina Diniega



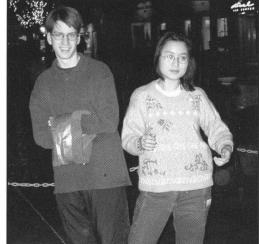






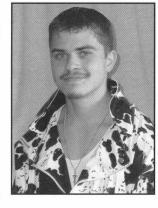






























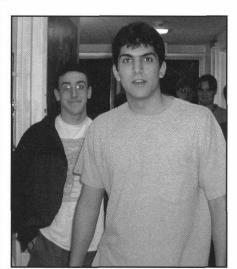


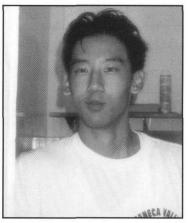




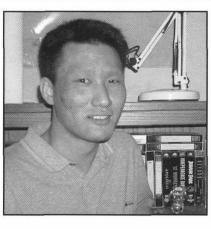


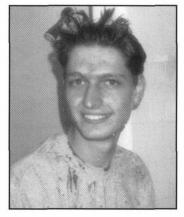






















Sophomore Class Photo: Back - Micheal Boeddiker, Ken Ayers, Jason Wong, Robby Metcalf, Mike Massey, Brian Palmer, Jen Tung, Karen Lam, Ben Kalenik, Albert Nguyen, Danson Njoroge, Nalinin Colaco, Aaron Davies, David Marcus; Front - Sam Yeager, Ryan White, Giao Hang

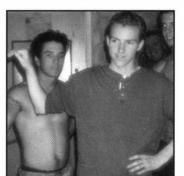


























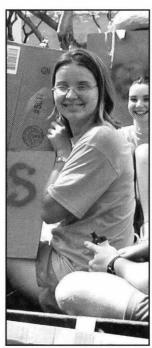










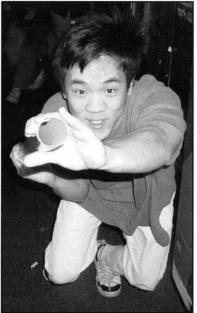


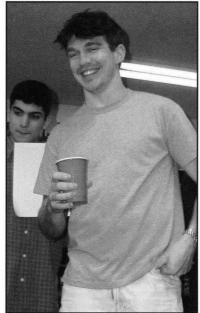


Junior Class Photo: Back - Matt Higbie, Jim Chang, Dennis Fong, Phil Bell, Joe Chang; Front - Scott Carnahan, Paul Novak, Susan Sher

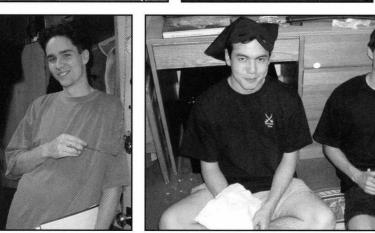


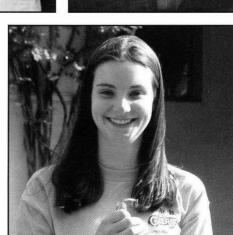


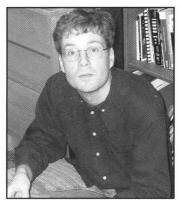








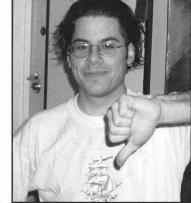


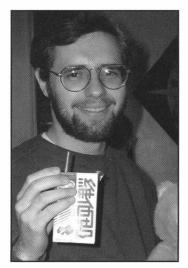


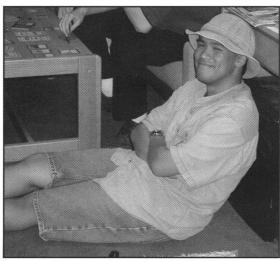


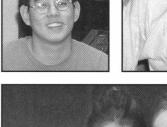


Senior Class Photo: Back Row - Tosh Ohtake, Mike Kuhlen, Mark Hammond, Ming Chen, Sam Wilke, Ron Dollote, Nick Lorenzen, Corey Burke, Erika Swanson, Karen Rantamaki, Jacob Lacouture, Candace Chang, Daniel Song, John Teifel; Front Row - Sueanne Lee, Sue Hsieh, Lisa Hung, Viktor Alekseyev, Garth Conrad, Sophia Xiang, Ricky Tong, Albert Hsiao, Richard Castro





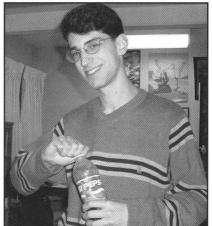




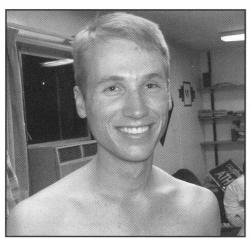










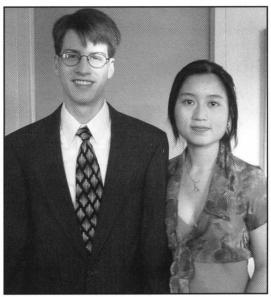
















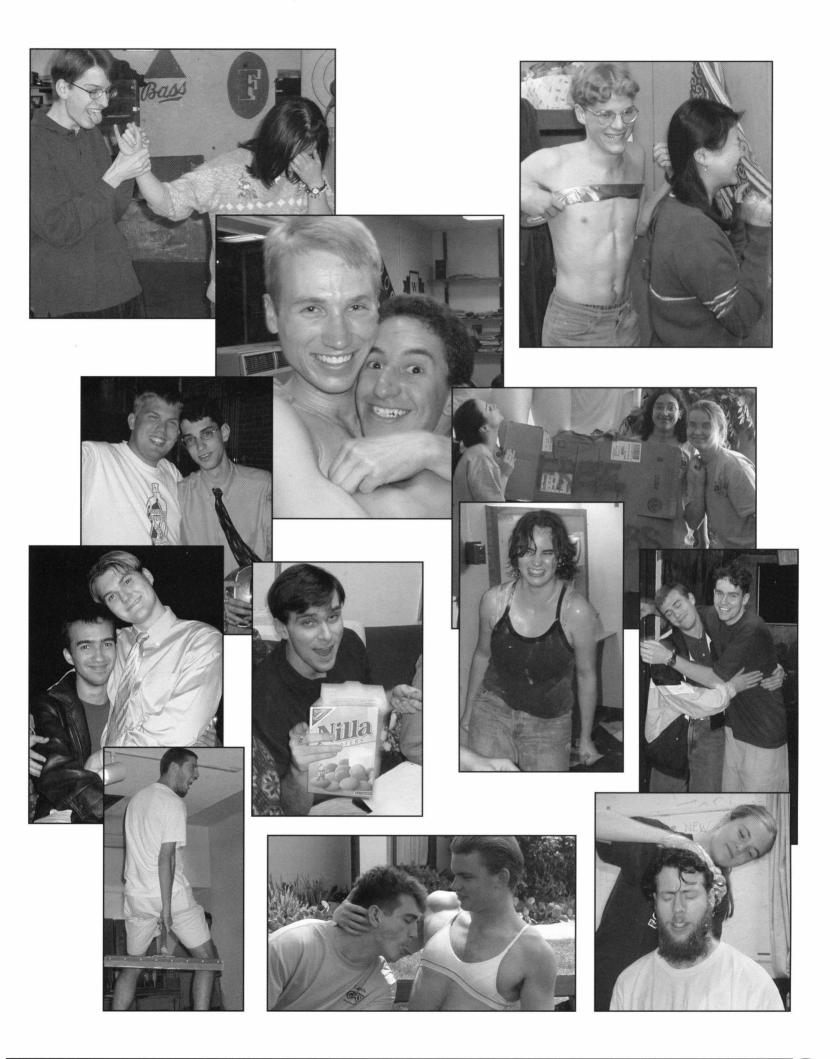


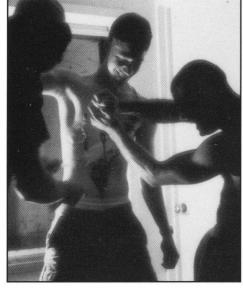




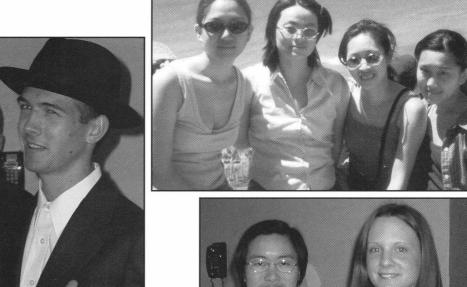


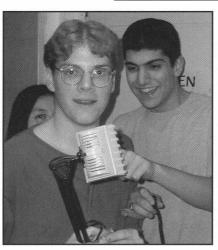






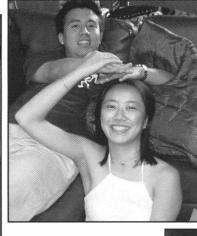


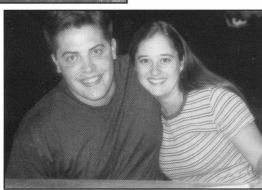




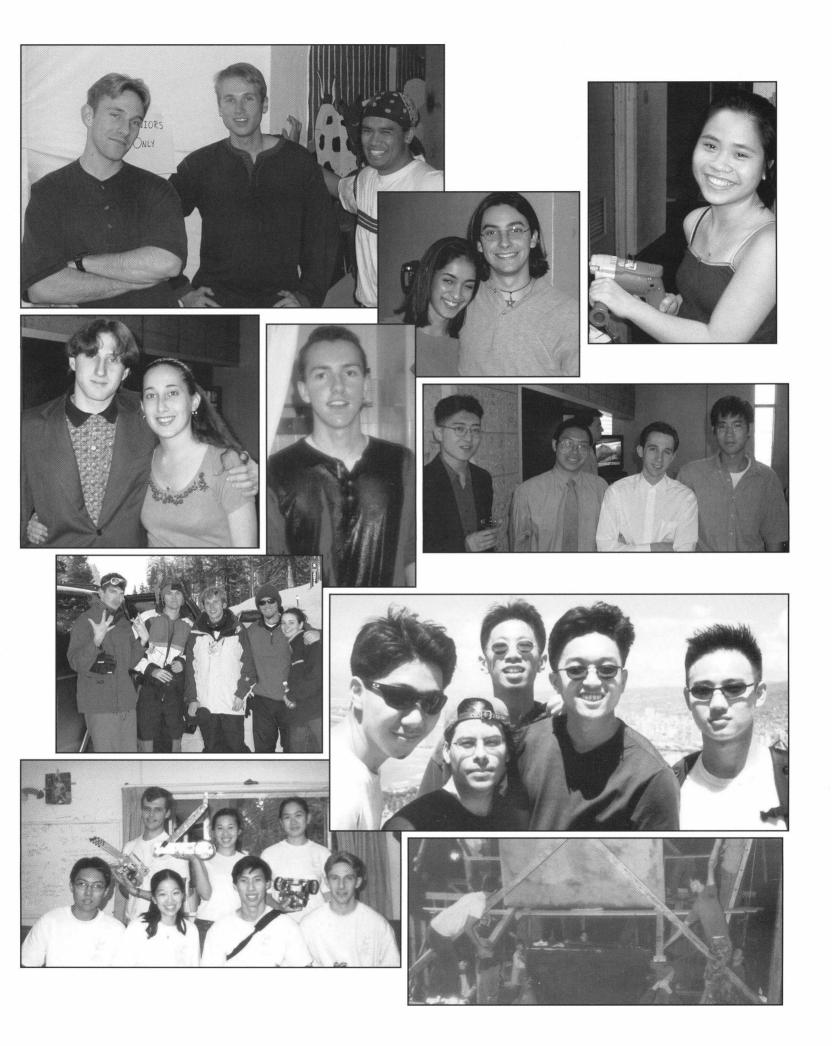










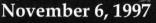




I will tell you plainly all that you would like to know, --Aeshylus, "Prometheus Bound" not weaving riddles, but in simple language, since it is right to speak openly to friends.

Prometheus didn't merely unleash fire upon the world – he disseminated knowledge. Why then are we surprised when threatened with censorship of our words by the very people who stripped the word "incendiary" from our vocabulary? In 1998, Ricketts House members criticized Caltech as being "an institution that is slowly degrading by denying its students the traditional freedoms accorded to them." But then, at least, the administrators believed they were making Caltech safe. Now they stir the ashes of our free inquiry and expression.

In the wake of recent events, it is strange that the administration chose to invite Ray Bradbury, author of anti-censorship novel Fahrenheit 451, to speak at Commencement. But even more ironic is that, in their vain attempts at suppressing harmless student eccentricities, these litigiously paranoid elder scientists (who are supposed to be role-models) are sending a very dangerous message: If something threatens your image or preconceived notions, cover it up at all costs! But what will happen when our *fellow students follow this example in their professional careers?* ming, where



Pyrotechnics Banned in Ricketts.

#### August 20, 1999

Propaganda sheets deemed "indecent." Sheets confiscated permanently.

#### April 7, 2000

Webpages attacked in the Dean's corner.

#### May 5, 2000

Page Website and BFD banned.

Revel promises Ricketts site is next.

### FIRST TERM























1st Row: Der Führer Babcock; Rui and Kevin having an awkward silence on their first date; Blood Fight in the Courtyard; Ishy MCs Frosh Wash.

2nd Row: Jacob seems hungry; Upperclassmen crowd the Snake stairs during the grand tour; Pankaj slashes Cotter's throat; Nicole at Frosh Wash.

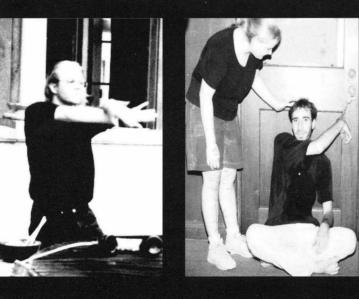
3rd Row: Skurves line up to shower Brian; Josh gazes into the fire; Schulz is a chicken.

**4th Row:** Hitaine, Kevin, and Pankaj on the hanging couch.









1st Row: Soaking the Flems.

2nd Row: Rik and Christoph DJ the Halloween Party;

Furious not-George unleashes his wrath.

3rd Row: Pankaj and John, Live in Ricketts Courtyard;

Ishy recoils as Khan descends upon him.

4th Row: Shannon demonstrates his happening dance moves; Cotter's detained during the Grand Tour;

Filix beating the shit out of a rabbit.











# FIRST TERM

1st Row: Muscle Man Ben.

2nd Row: Slappy rants about the GWIHTHHAAR; Rick drinks himself into the hospital (and into office of HPKOM); Cody trips off of Snatch Roof; The Frosh learn about their feminine side at initiations.

3rd Row: They are then pummeled for being a bunch of queers who wear makeup; The pentagram is measured out; Sam makes another stab at HPKOM.

4th Row: Pentagram ablaze; Dance, Shannon, Dance!





















# SECOND TERM

# THIRD TERM



















1st Row: Filix submits to an unjustified courtyard float; Skurves envy the Flems who celebrate Christmas twice a year; The Frosh class put up a second valiant, but ultimately unsuccessful attempt to grand tour Keith.

2nd Row: The Freshman class shows the Sophomores how to pile; Prefrosh and Skurves hunker down at the troughs for a nice family dinner.

3rd Row: Trough dinner, An intense & stimulating vegan dining experience; Dinkar shows Jeff why the numbers "02" are emblazoned on the brakedrum.

4th Row: Andy's aerobic workout.





Alley 1 after intallation



Alley 2 during installation



Allev 3 everyone looking to the side



Alley 4--the blue alley



Alley 5



Alley 6 preparing for Ruddock Greens..

Group



Old Excomm: Back: Katie Noves, Hanna Kim, Andy Tretten, Emma Kang, Nate Senchy, Gerald Palmrose. Front: Amy Duello, Sarah Hunyadi, Tom Daula, Marc Favata, Nathan Stein, Dirk Englund.

Pictures



New Excomm: Michelle Fourney, Dave Moll, Andy Tretten, Derek Jackson, Dan Stick, Amy Duello, Dana Sadava, James Lamanna, Sarah Mahoney, Cecile Lim

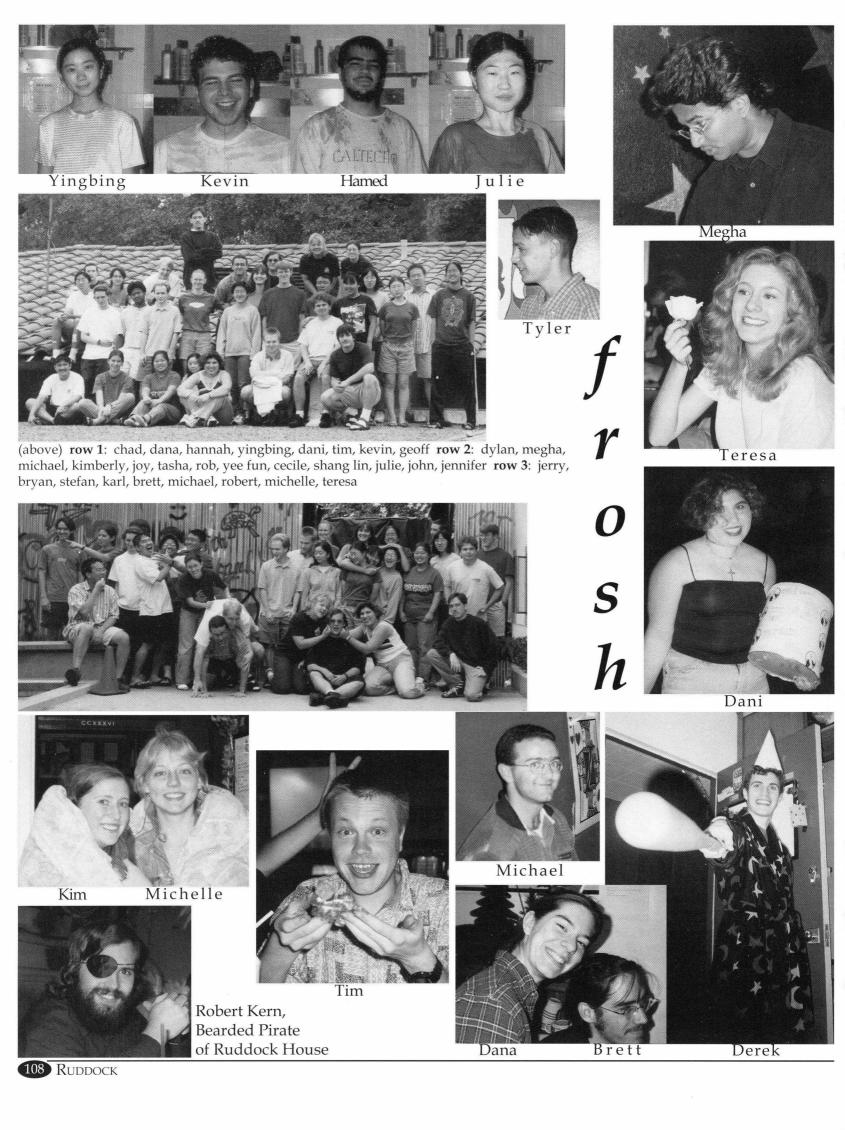


Girls looking classy during the third term formal dinner



Ruddock Guys looking very gentlemanly

Disclaimer: The ratio is not as bad as it seems in these pictures. It's just that many girls did not attend the dinner. Really... ^\_^



sophomores











James

Brian

Dirk

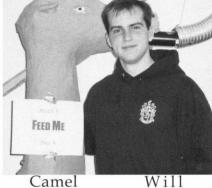


front row: james lamanna, donald sze, matt ballard, nate senchy, dave moll, dave bustos. second row: brock beauchamp, will peterson, abraham harte, meghan smith, dan stick third row: zach medin, theresa daniels, gerald palmrose, merrett wong, karen daugherty, ryan gutenkunst top row: sarah hunyadi, sarah mahoney, kenny higa









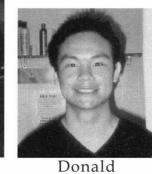
Dave

(drinking Aaron ketchup)

Abraham









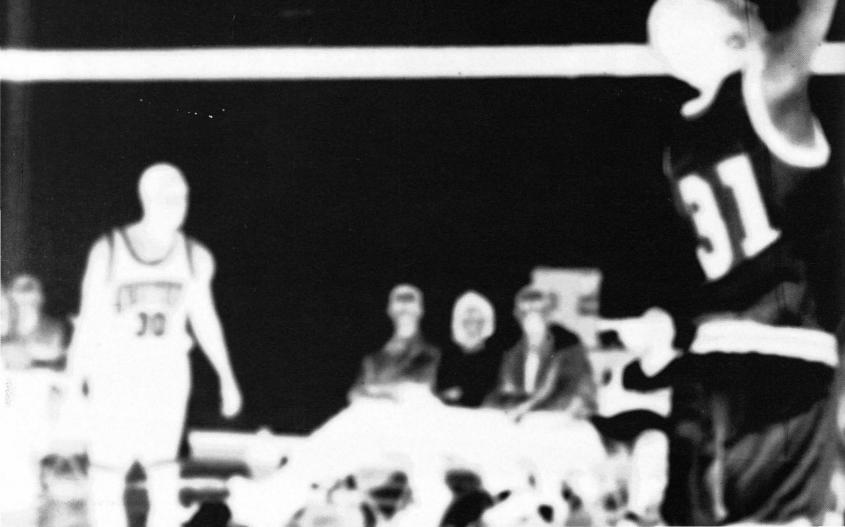


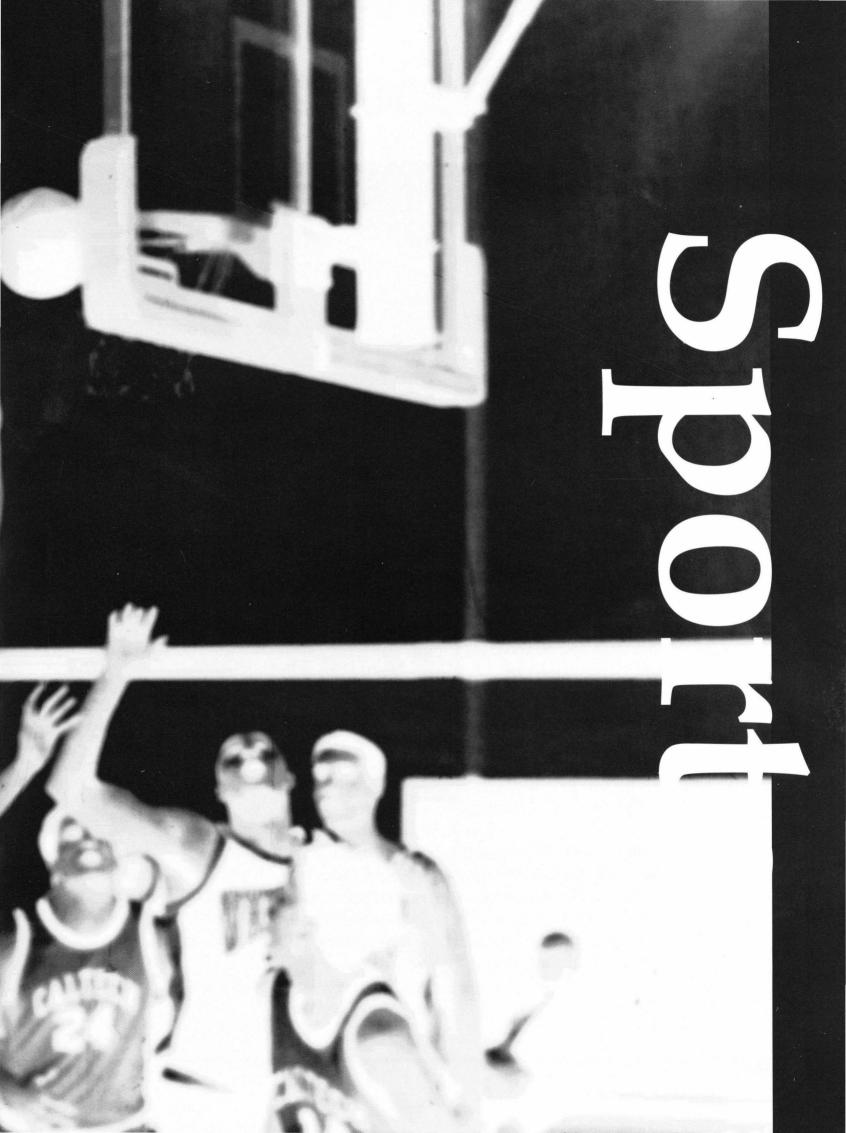
Cindy

Nate

# CALTECH







## Cross Country



The men's team closed the season with at fourth-place finish at the SCIAC Championships, the school's best showing since 1995. A trio of seniors brought home all-conference honors, led by first-team member Ian Shapiro, who took fifth place at the SCIAC Championships. Arjun Mendiratta (17<sup>th</sup> Place) and Adrian Seymour (18<sup>th</sup> place) earned second-team accolades. Caltech won the Cal Lutheran Invitational on Oct. 9, marking the program's first meet victory since 1995.

The women's team continued its improvement throughout the season. Sophomore Amy Kelly topped the team most of the year, shaving more than two minutes off her 5K time posted at the beginning of the season. Kelly took 32<sup>nd</sup> place at the SCIAC Championships while junior Paula Whitten finished 55<sup>th</sup>.

#### Soccer



The soccer team concluded the season on a positive note, earning a 2-1 victory in the season finale at La Verne. The win gave Caltech sole possession of seventh place in the final conference standings. The school had two players earn a spot on the All-SCIAC team for the first time since 1988. Dale Parkes became just the seventh player in school history to record three-straight all-conference seasons. Goalie Craig Vieregg ended the season with an average of 9.2 saves per game, good for 19th in the final NCAA rankings.

## Volleyball



A young Caltech team showed incredible improvement as the season wore on, with all of the sweat finally paying off with a three-game win versus American Indian College on October 9<sup>th</sup>. In the season finale against Life Bible, sophomore Karen Lam set a team season-best with four blocks and tied the team season-high with 12 digs.

#### Water Polo



Caltech closed the season by hosting the 1999 SCIAC Championships at Braun Pool. The Beavers were led by second-team all-conference honoree Eagle Jones, who tied teammate Adam Thomason for 12th in SCIAC scoring, with 10 goals in regular season. Tom Daula had an excellent tournament, tallying 10 goals in the three matches, including back-to-back-to-back hat tricks. Sophomore goalkeeper Vladimir Federov finished second in the SCIAC with 65 saves during the conference regular season.

### Women's Basketball



Under first-year head coach Rachel Madsen, the women's basketball team set a school record for wins a season, compiling a 5-14 record. Freshman center Julia Salas made headlines by finishing third in the NCAA with 15.4 rebounds per game. In fact, Salas was tops in the country in rebounding on January 14<sup>th</sup>. Sophomore guard Sarah Hunyadi finished second on the team behind Salas in scoring and rebounding at 9.9 ppg and 6.7 rpg while leading the team in steals with 45. Senior guard and team MVP Sueanne Lee led the team with 40 assists in 19 games.

#### Men's Basketball



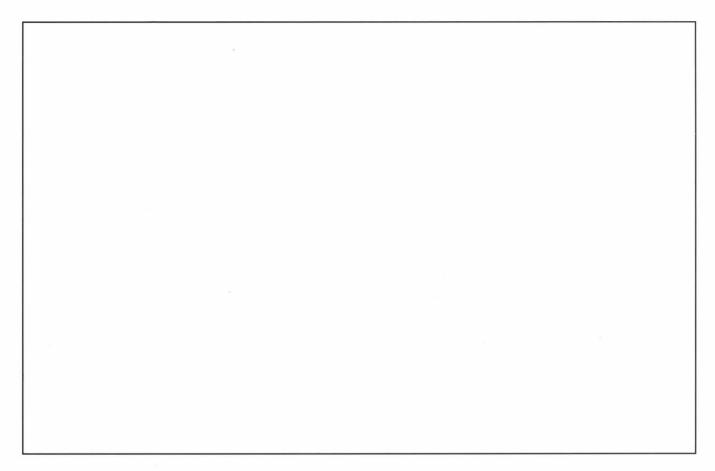
The men's basketball team battled hard throughout the nonconference season, finally breaking into the win column on January 8<sup>th</sup> with a 61-35 victory against American Indian College. Earlier that week, CIT battled to the end against Cooper Union (N.Y.) in a 53-50 defeat. Freshman Jonathan Bird showed promise for the future, leading the SCIAC in rebounding with 8.1 boards per conference contest. Overall, he took third in the league rebounding category. Senior Matt Musick displayed leadership throughout the season, finishing among the top 10 players in four statistical categories.

## Fencing



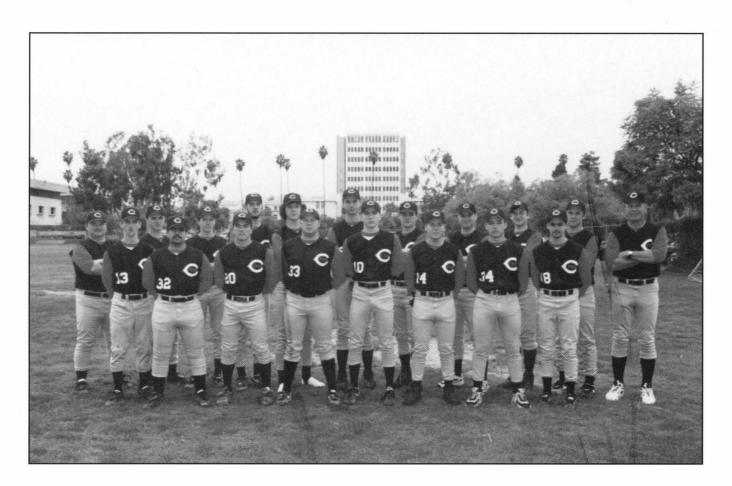
Competing in the six-team Intercollegiate Fencing
Conference of Southern California, the men's fencing team
took third place this season while the women finished
fourth. The men were led by the conference runner-up
sabre team and individual runner-up Cory Loomis. Sabre
teammate Nathan Stein finished third in the conference.
Zhao Huang (foil) and Tiago Wright (sabre) each finished
fifth in the conference. For the women's team, Elisa Chan
took eighth in the conference, but improved to take sixth
place at NCAA Regionals. Minta Akin (sabre) finished
ninth in the league.

## Swimming and Diving



The men's and women's swimming teams each finished in sixth place in the SCIAC standings. The men's team earned Caltech Athletes of the Week honors in February after sweeping Occidental and Whittier in the final dual matches of the season. The women's team won five of 12 duals, including wins versus Mills College in January as well as at Whittier to close the regular season. Eagle Jones won the consolation final of the men's 400 IM at the SCIAC Championships while the top women's finish was posted by Kristen Cook, who took 11<sup>th</sup> place in the 1650 free.

#### Baseball



Senior Greg Fricke was named first-team All-SCIAC infielder, the first Caltech baseball player to earn first team honors since catcher Jim Hamrick in 1986. Fricke, who played infield, catcher, and even pitched in two games this year, led the SCIAC in triples this season and finished sixth in batting average. Freshman pitcher Andrew Conner opened his Caltech career with a three-hit complete game shutout of Simpson College on Jan. 29th.

### Golf



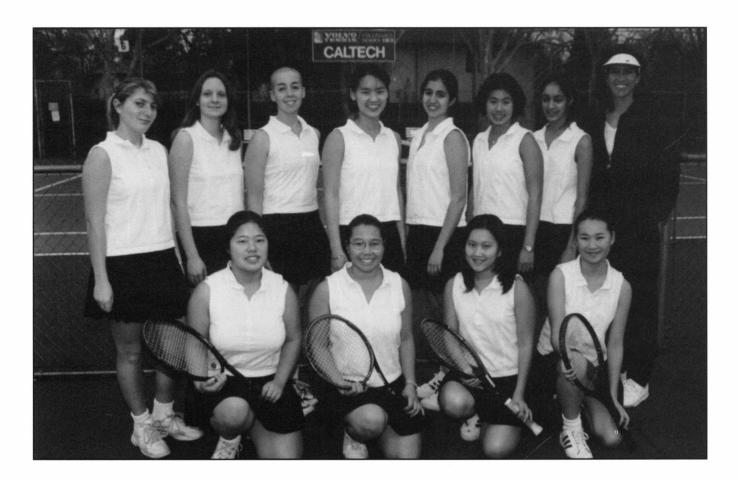
The golf team season highlight came on Friday, April 14th, when the Beavers took seventh place at the SCIAC 18 Hole Tournament in Oxnard with a team score of 377 in blustery conditions. Three days earlier, Caltech posted its best team score of the season with a 375 at the first SCIAC 18 Hole Tournament, held at Brookside Golf Course in Pasadena.

### Men's Tennis



The men's tennis team finished fifth in the SCIAC, closing out the dual match season with a 7-0 win against La Verne and a 5-2 victory against Cal Lutheran at the SCIAC Championships. The win against CLU gave Caltech 10 dual wins for the season, tying the school record set in 1960. The highlight came on March 31 when the Beavers earned a 4-3 decision against Occidental. The win marked Caltech's first against Oxy since 1994 and only the second since 1975.

#### Women's Tennis



Women's tennis is the third Caltech squad to match or break the school standard for wins, joining the men's tennis and women's basketball teams. Like 1997, this year's women's tennis team also opened the year with four-straight wins, tying the squad's best start ever. Sophomore Nalini Colaco earned second-team All-SCIAC honors, only the third Caltech player ever to earn such distinction. Diane Wong was second-team as a senior in 1994 while Alexis Johnson was a tree-time second team honoree in 1996-98.

#### Track and Field



The Beavers Track and Field teams had many terrific individual efforts this season. On the men's side, Ian Shapiro earned All-SCIAC honors by finishing third in the 5000 meter run. Adrian Seymour took ninth in that event followed by Kenny Higa in 11th. Aaron Kuzin also was among Caltech's top athletes, taking 10th place in the discus throw, while Paul Thienthrapa continued to serve as the team's ironman, competing in five events at the meet. The men's 4x400 meter relay team earned All-SCIAC honors with its sixth-place finish in that event. For the women, Amy Duello notched two top finishes in the javelin and discus. Serena Eley and team MVP Amy Kelly also posted top times for Caltech.







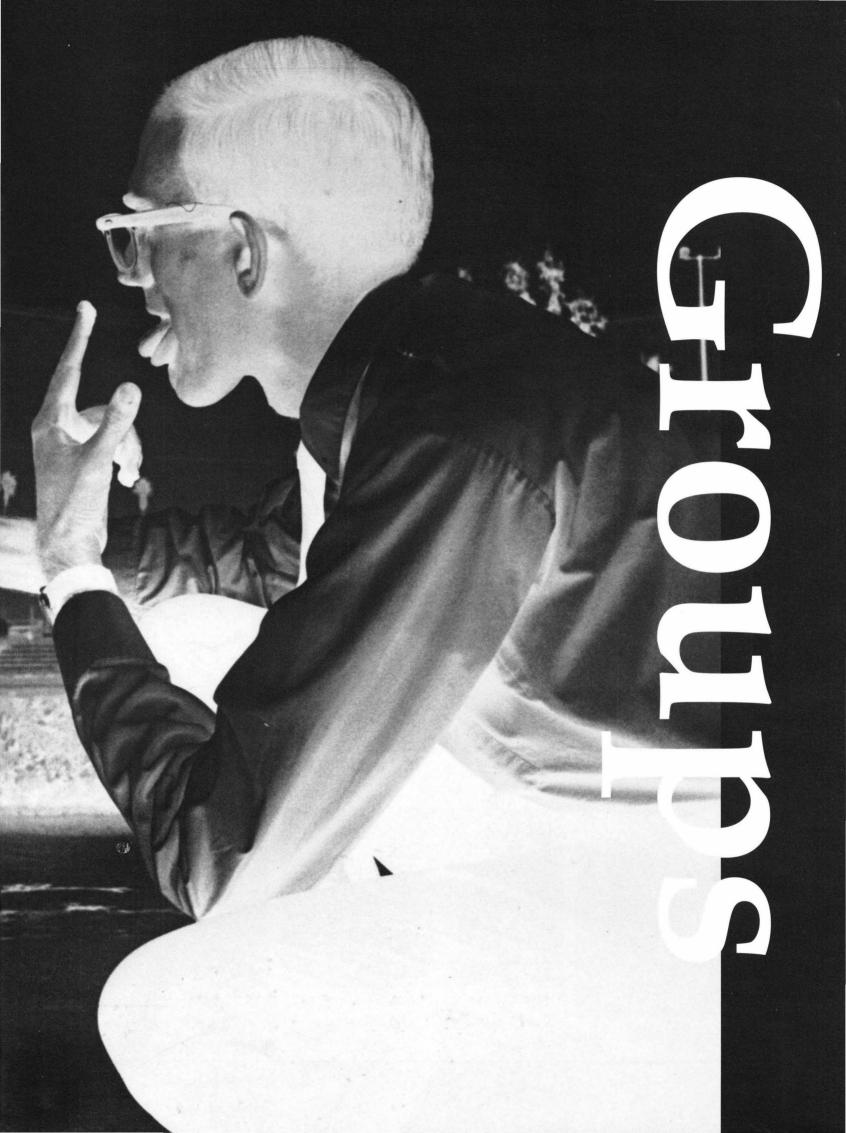














Above: (l-r) Aaron Kuzin, Kristin Commer, Lisa Brooks, Jennifer Yang, Michelle Swann.



Above: (l-r) Jay Carlton, Paul Choi, Bill Bing, Zach Medin.



Above: (l-r) Daniel Wagenaar, Beth Wedeman, Amy Peterson, Justin Kao, Andrej Zlatos.



Above: (l-r) Dan Levy, Kacie Shelton, Shanti Rao, Emma Kang, Yingbing Wang.



Above: (l-r) Scott Carnahan, Elizabeth Hong, Maria Brumm, Sarah Milkovich, Aaron Eichelberger.



Above: (l-r) George Chung, Delores Bing, Philip Venturelli.



Above: (l-r) John Choi, Emily Wang, George Shapovalov.



Above: (l-r) Christian Thomas, Hannah Kim, Adam Lawton.



Above: Tony Chao, Christina Lam



Above: (l-r) Wren Montgomery, John Williams, Zhiming Kuang, Katharine Ip.



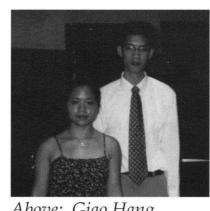
Above: (l-r) Julie Casperson, Carsten Koetting, Christina Telles, Serena Chung.

#### Caltech Chamber Music

Not pictured: Angie Han, Elizabeth Boer, Alex Dunn, Gabriel Braandt, Derek Debe.



Above: (l-r) Isaac See, David Fang, Nicholas Knouf, Dan Giammar.



Above: Giao Hang, Nhien Nguyen.



Above: (1-r) Candace Chang, Arjun Mendiratta, Daniel Rogstad, Todd Murphey, Heide Li.



Above: (l-r) Anita Gould, Iljie Kim, Elisabeth Nadin.



Above: (l-r) Kimberly Eilert, Possu Huang, Jerry Chen, Thea Lu.



Above: Melissa Todd, Lilach Somberg



Above: (l-r) Jason Cardema, Lance Christensen, Jay Hubisz, Nicholas Guise.



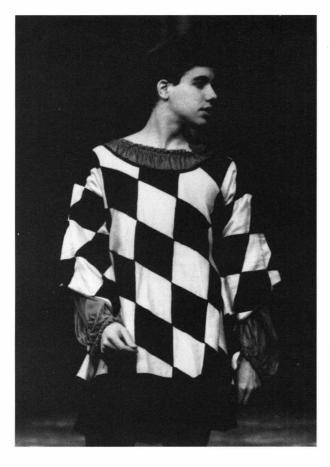
Above: Helen Claudio, Allen Gross

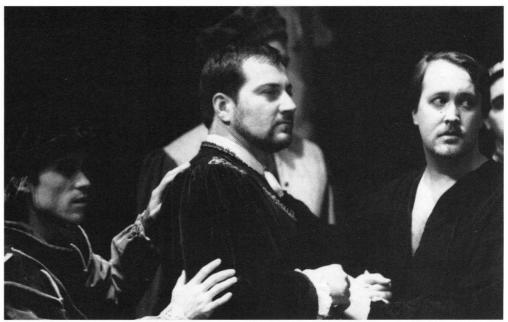


Above: (l-r) Karl Hammond, Craig

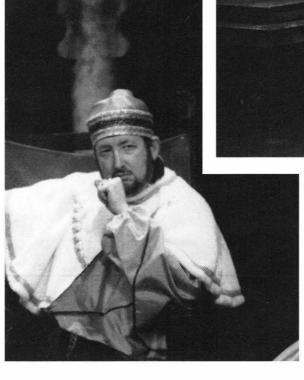
Countryman, Matthew Wright.

Above: (l-r) Christian Reichardt, Susan Chen, Jean Wang, Molly Swanson.

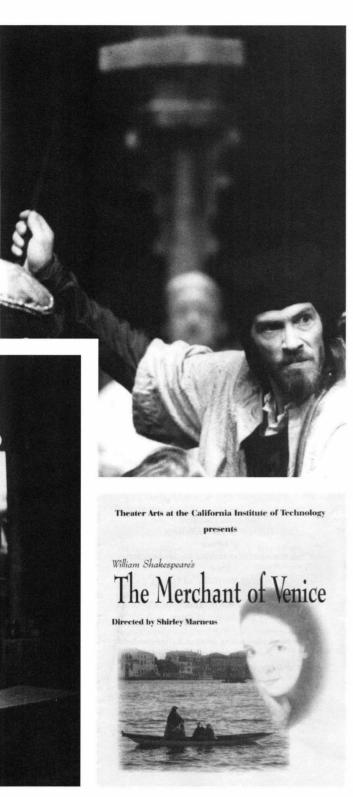




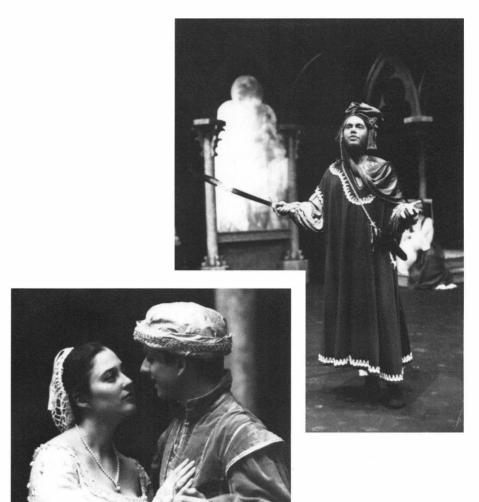










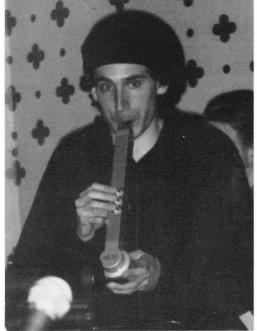






## Caltech Bands

The Caltech Thursday Jazz Band, May 2000.



Guest artist John DaVersa.



The Caltech-Occidental Concert Band, May 2000.



Guest artist and top studio French horn player performs with the Caltech Band.



Guest conductor Les Deutsch (JPL).



Guest conductor Paul Asimow (GPS faculty).

The Caltech Bands had an another outstanding year. The groups sounded better than ever with some exciting artists and clinicans helping to make the experience even more worthwhile. For example, the lead trumpet player

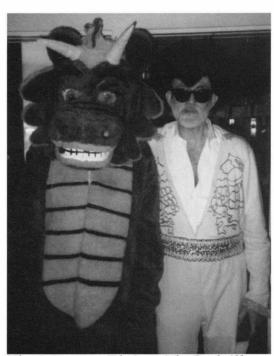


The Caltech Swing Band at a rehearshal, May 2000.

with the Brian Setzer Orchestra came in and worked with the Swing Band. Joel Leech, former president of the National association of Jazz Educators worked with the Swing Band. John Daversa, an important voice in today's jazz world wrote a chart topper which the Thursday band premiered. Hornist James Thatcher, principal horn on over five hundred motion pictures (including "The Perfect Storm" and "The Patriot") performed with the Concert Band. and finally, Elvis and Godzilla slugged it out on the last concert of the year, Bandorama 2000.



Caltech senior Kjerstin Easton sings with the Thursday Jazz Band.



The Maestro Elvis with Godzilla, guest artists on the Bandorama concert!



Caltech graduate student Lorena Barba sings with the Swing Band.

# Ecphonema

## Out Of Context

















### The California Tech

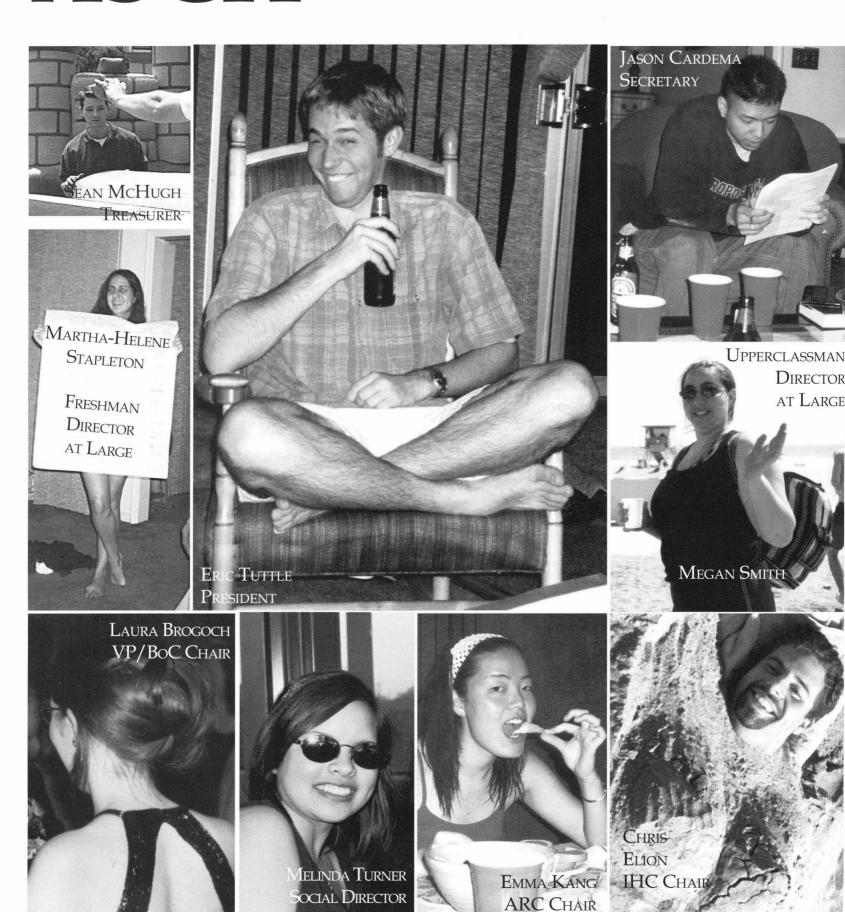
John Oh, Jonathan Foster, and Dana Sadava, presiding



## got whiteout?

SURGEON GENERAL'S WARNING: Shake Well Before Using. Intentional Misuse by Deliberately Concentrating and Inhaling the Contents can be Harmful or Fatal. Flammable. Keep Out of Reach of Children.

## ASCIT Board of Directors





#### **IHC**

Back row: Dan Daly(Fleming), Todd Schuman(Blacker), Amy Duello(Ruddock), Vanessa Sih(Secretary), Chris Elion(Chair). Front row: Heather Graven(Page), Dave Antonio(Lloyd), Dana Vukajlovich (Dabney), Martin Gaitan(Ricketts)



#### **Board of Control**

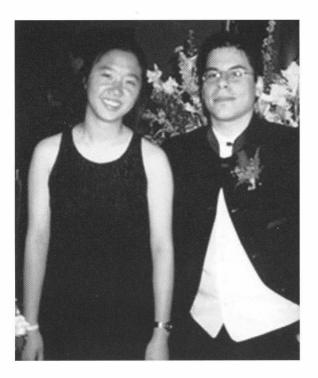


Not pictured: Laura Brogoch - Chairman Elizabeth Hong - Secretary Katarina Kohler - Blacker Rep, Liz Stameshkin - Dabney Rep, Eric Sherer - Fleming Rep, Jacob Zasada - Ricketts Rep, Kenny Higa - Ruddock Rep, Will Findley - Lloyd Rep, Aaron Davies - Page Rep, Aaron Robison - Rep @ Large, Lexi Baugher - Rep @ Large





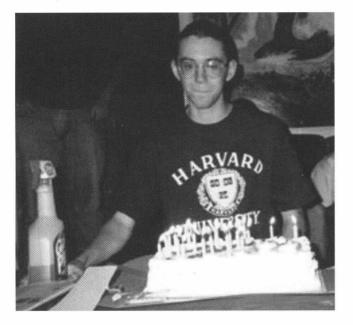
## 



Angela Shum ELECTRICAL ENGINEERING Arcadia, California Hanna Kim BIOLOGY

La Crescenta, California





Daniel Abrams APPLIED PHYSICS Houston, Texas

Marc Favata **PHYSICS** Elmwood Park, New Jersey



Kevin Franklin APPLIED PHYSICS/HISTORY Brighton, Michigan

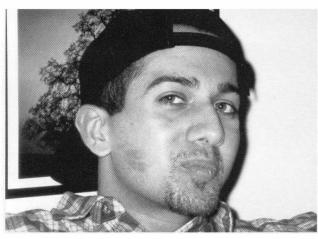


Kartik Srinivasan APPLIED PHYSICS El Paso, Texas



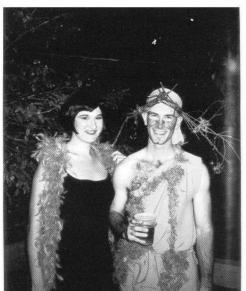


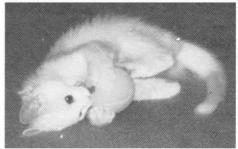


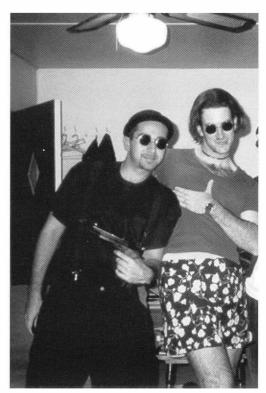




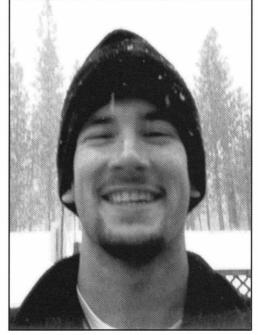
Vivek C. Mathrani CHEMISTRY Flushing, New York













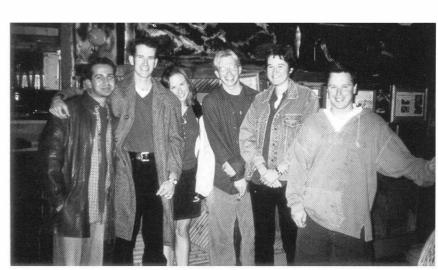
Brent M. Kious

Biology & SES Kerrville, TX

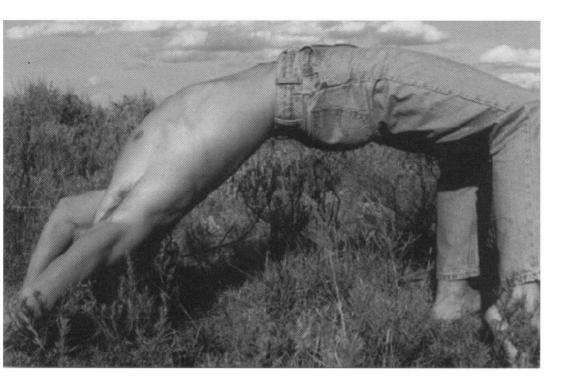
Svjetlana Miocinovic BIOLOGY & COMPUTER SCIENCE Zagreb, Croatia







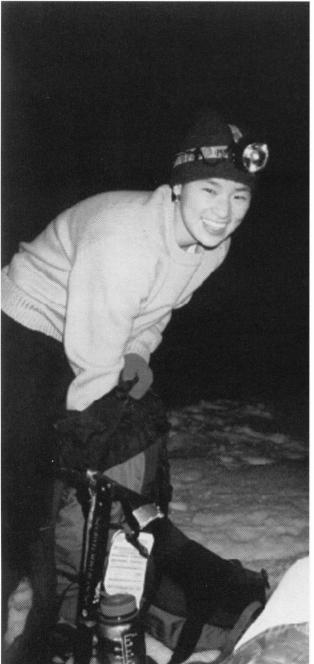


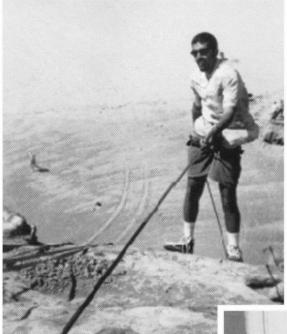




"The opinions of Caltech do not necessarily reflect those expressed by Sam Wilcke."

Sam Wilcke CHEMICAL ENGINEERING & CHEMISTRY Bellevue, Idaho





Biology Azusa, California

Kanwar Kahlon

Audrey Ja-Chen Lee APPLIED PHYSICS West Covina, California



Huimoou Juliana Li Electrical Engineering Fairbanks, Alaska

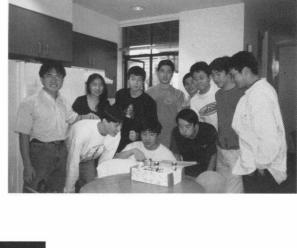


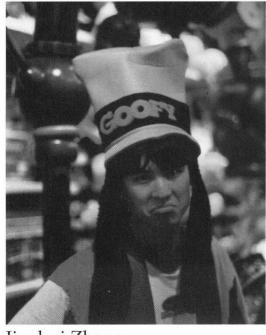




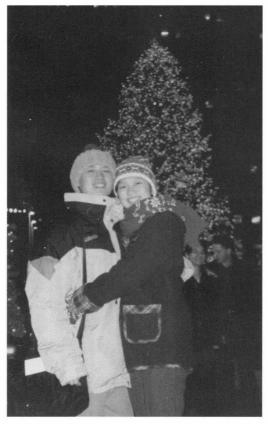
Xin Liu Electrical Engineering Tian Jin, China







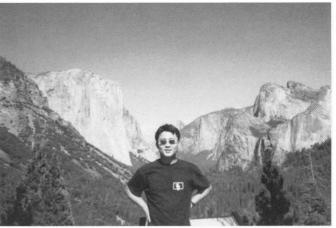
Jianhui Zhang
Computer Science
Chang Chun, China











Kaiwen Xu Physics & Computer Science Nanjing, China

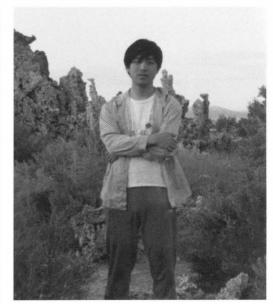




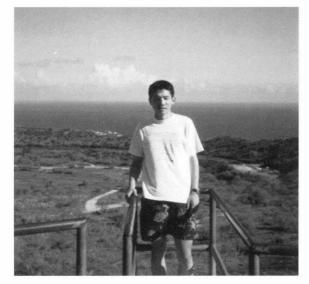
Jacky Liang
ELECTRICAL ENGINEERING
Canton, China







Haitoa Yu Physics Xi An, China



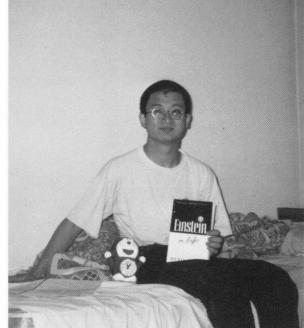
Zhang Hao Computer Science Shanghai, China

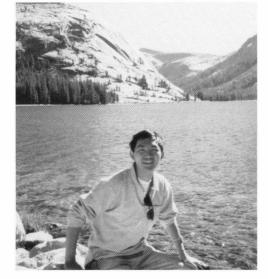




Chiyan Luo Physics Hu Nan, China

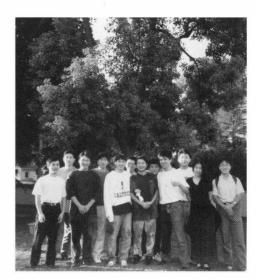


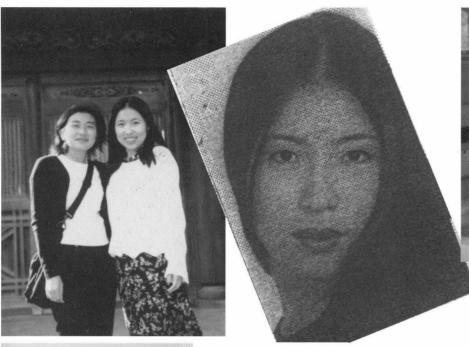




Jingyi Yu Computer Science Shanghai, China



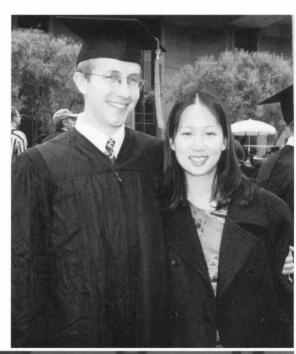




Summer Ruonan Zhang New York, USA Class of 2001

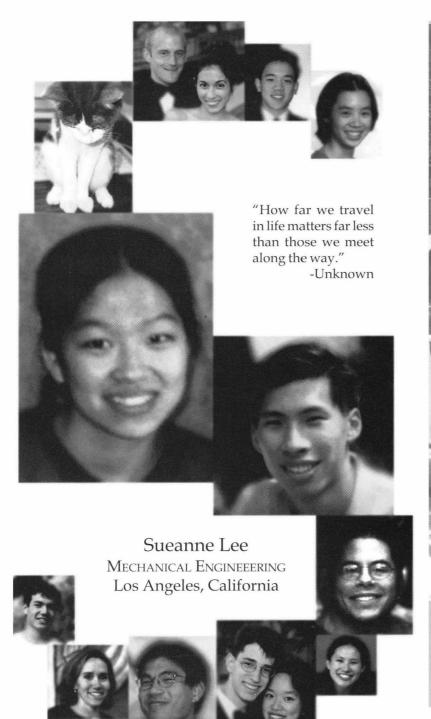


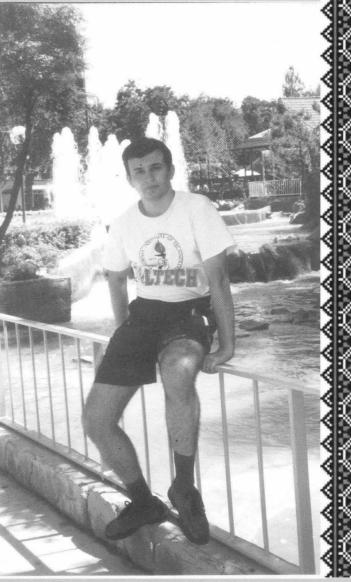
Jennifer Chuen-Hsien Yang **BIOCHEMISTRY** Davenport, Iowa



Candace Chang CHEMISTRY La Canada, California







Ivan A. Mokhnal MATHEMATICS Velyky Berezny, Transcarpathia, Ukraine

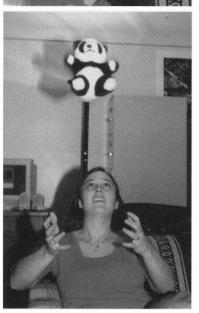
"Everything should be made as simple as possible, but not simpler" -A.Einstein



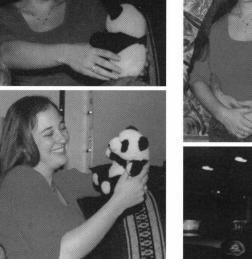
Anna Iwaniec MECHANICAL ENGINEEERING Princeton Junction, New Jersey



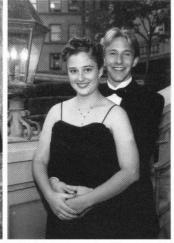


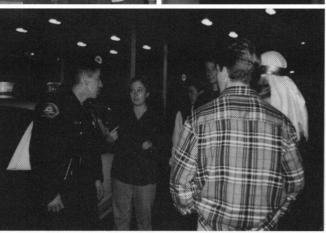


E. Marie Fox CHEMISTRY Greenwood, Indiana



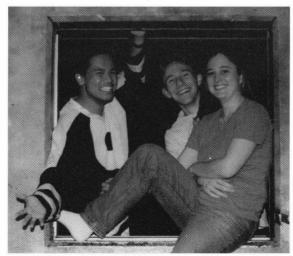


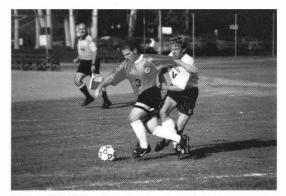




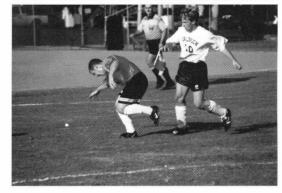
Dale Parkes MECHANICAL ENGINEERING Loveland, Colorado

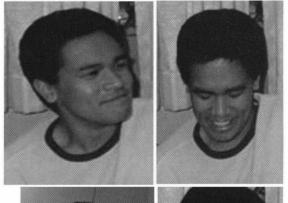














Ronald Dollete ELECTRICAL ENGINEERING Norfolk, Virginia











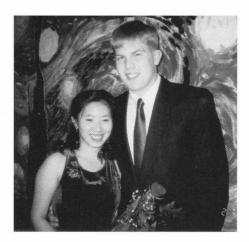














Albert Hsiao BIOLOGY & COMPUTER SCIENCE Poway, CA



Xiaolin Xie PHYSICS Shanghai, China

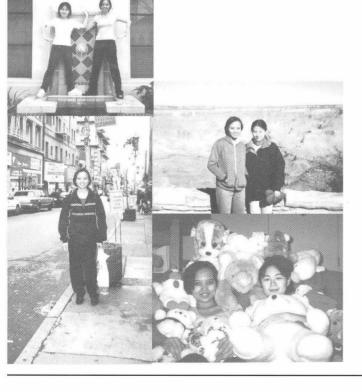




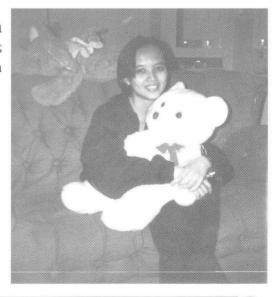


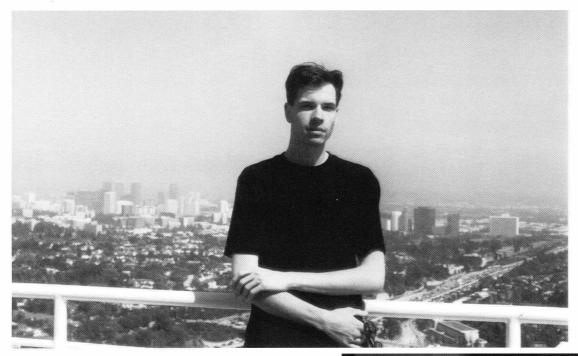
Zhendi Su CHEMICAL ENGINEERING Beijing, China





Nik-Haliza Nik-Hassan ELECTRICAL ENGINEERING Kota Bharu, Malaysia



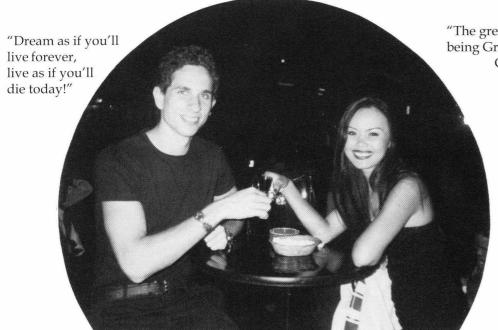


Eike Jens COMPUTER SCIENCE & ELECTRICAL ENGINEERING Neuss, Germany

Garth Conrad COMPUTER SCIENCE Harrisonburg, Virginia





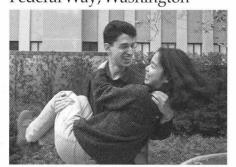


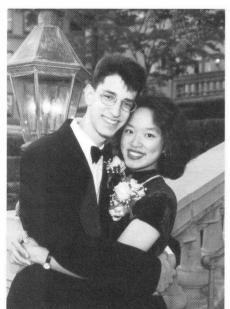
"The greatest enemy to being Great is being GOOD!"

"If the majority were Right, the majority would be Rich!"

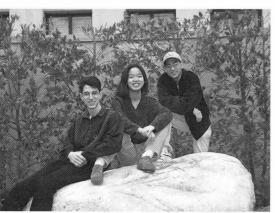
Stefan Kazachki MATH & ECONOMICS Raleigh, North Carolina

Mark Hammond COMPUTATION AND NEURAL Systems Federal Way, Washington



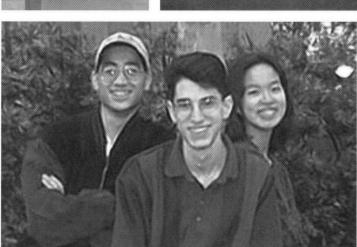


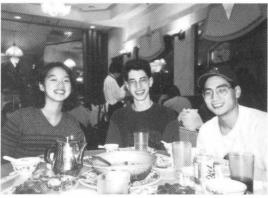




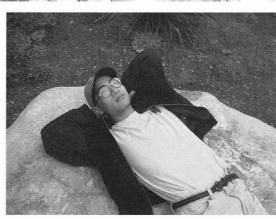










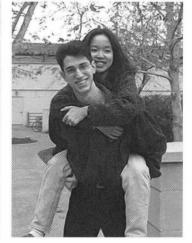




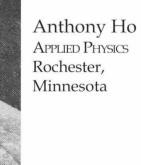




Ming Chen CHEMISTRY Reisceisterstown, Maryland









Samuel H. Chung APPLIED PHYSICS Wheaton, Illinois

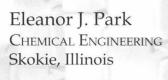
The Worth and Excellency of a soul is to be measured by the object of its love. -- Henry Scougal











It's lovely to know the world can't interfere with the inside of your head. --Frank McCourt from Angela's Ashes





Katherine T. Noyes BIOLOGY Sunland, California

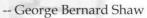


Whatever is true, whatever is honorable, whatever is right, whatever is pure, whatever is lovely, whatever is of good repute, if there is any excellence and if anything worthy of praise, let your mind dwell on these things. -- Philippians 4:8



Aaron A. Kuzin BIOLOGY Sheridan, Wyoming

Some people see things and ask why. Other people dream of things that have never existed and ask why not.









Jamie Bresson CHEMICAL ENGINEERING Yakima, Washington

"So it's decided, then... ...I'm Jamie, right?"









Daniel K. Rogstad BIOLOGY Monrovia, California

Trust in the Lord with all your heart, and do not lean on your own understanding. In all your ways acknowledge Him, and He will make your paths straight.

-- Proverbs 3:5-6





Amanda Marie Schaffer Engineering & Applied Science Luthersburg, Pennsylvania



Jingyi Yu COMPUTER SCIENCE & APPLIED MATHEMATICS Shanghai, China

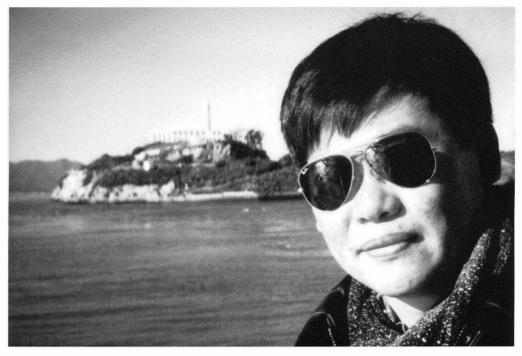


Gabriel Kanile'a Au ELECTRICAL ENGINEERING Honolulu, Hawaii Dabney House

"Quotes are lame." -me

Melvin Leok MATHEMATICS Singapore

Mathematics is like love, a simple idea but it can get complicated. R. Drabek



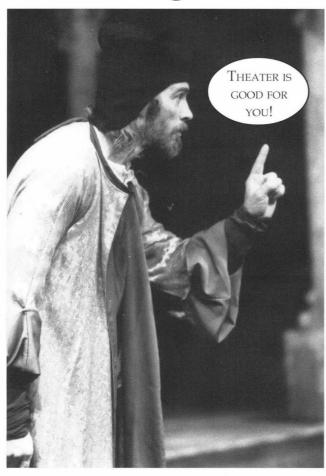
John Russel Teifel ELECTRICAL ENGINEERING Aloha, Oregon

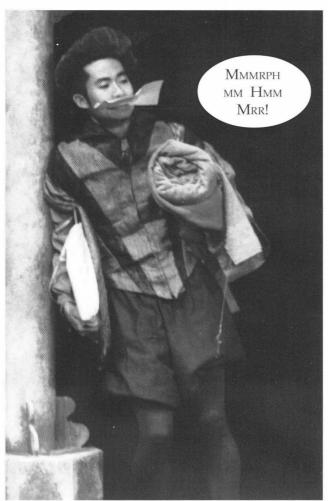
"I think there is a world market for maybe five computers." Thomas Watson, chairman of IBM, 1943.



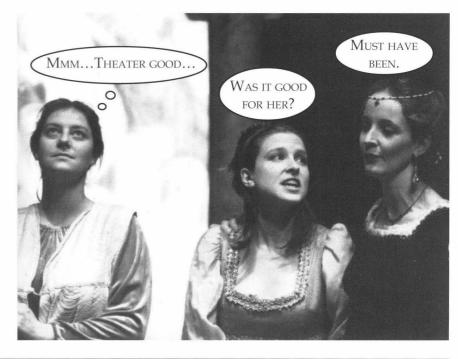
Rafed Amin Al-Huq Engineering & Applied Science Pabna, Bangladesh

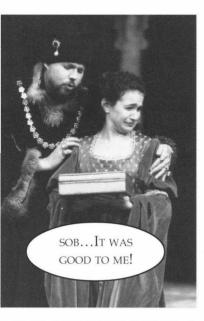
### TACIT congratulates the graduating seniors!





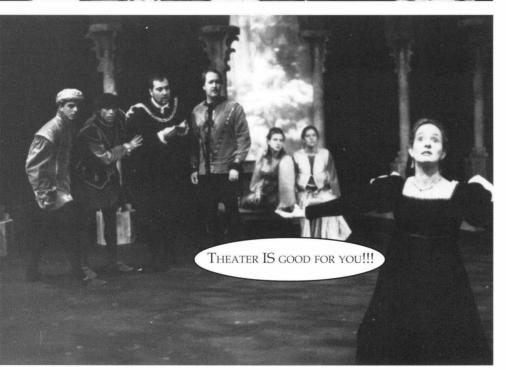


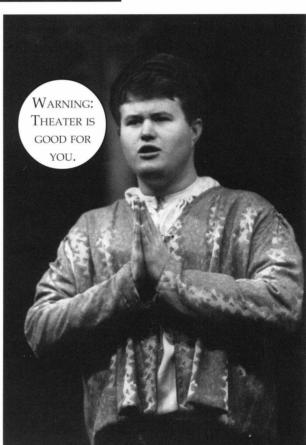






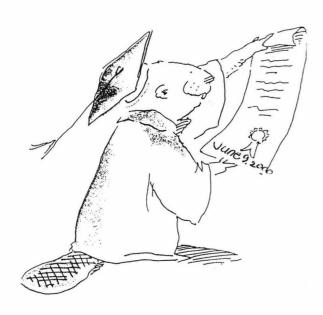






Love, Shirley

### Congratulations and Good Luck to the Class of 2000



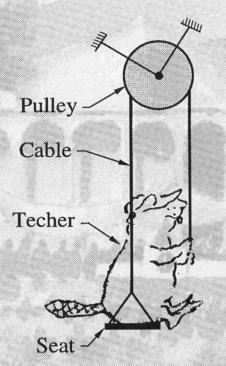
Wishing you the best of everything to come.

Your friends at the Housing Office:

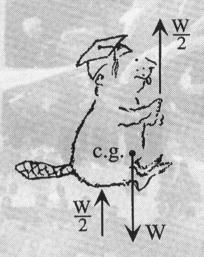
Tom Mannion - Director of Housing and Auxilliary & Business Services Biff Yamazaki - Director of Undergraduate Housing Stephanie Hancock - Assistant to the Director Tony Valdespino - Assistant Director, Facilities Management

#### **CONGRATULATIONS**

TO THE CLASS OF 2000



Free body at last!



FROM THE FACULTY AND STAFF OF THE DIVISION OF ENGINEERING AND APPLIED SCIENCE

#### CONGRATULATIONS

to the Graduating Seniors of the

DIVISION OF GEOLOGICAL AND PLANETARY SCIENCES

**Matthew Bachmann Amy Barr** Margaret Belska Gina Buccolo **Aron Meltzner** Sarah Milkovich Wren Montgomery **Kristine Nielson Adrian Seymour** 

With best wishes from the entire division



## Congratulations to Kristine, Ian, Heather, Cliff, and Aron.



Kristine







Heather





You have made a world of difference

# CONGRATULATIONS CLASS OF 2000!



## from INSTITUTE RELATIONS

### Congratulations!

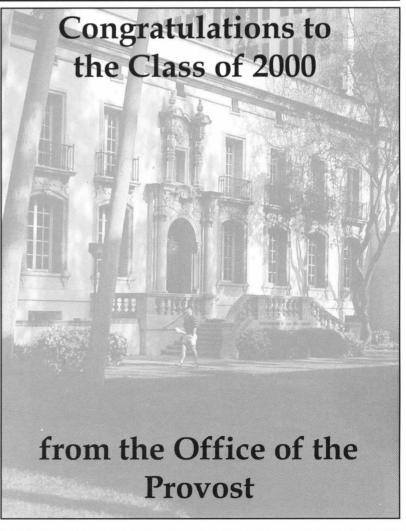


The Deans' Office Wishes **Good Luck** to the Class of 2000



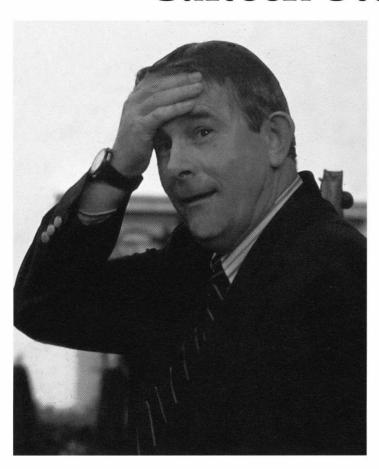
Congratulations 2000 Graduates!

from the Registrar's Office





#### **Caltech Student Affairs**



Student Affairs at Caltech complements and enhances the Institute's education mission by ensuring a healthy and supportive environment that enables students to grow academically and personally in preparation for meeting future and challenges. current

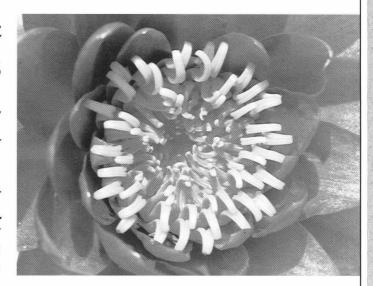
Independently and in collaboration with students, faculty and staff, we serve our community by responding to the issues, ideas and needs of all students. Utilizing diverse approaches, we provide programs and services of the highest quality.

# Congratulations to the Class of 2000



from the
Division of Humanities
and Social Sciences

The Office of Government & **Community Relations** salutes the Class of 2000, especially Wren Montgomery and Nick Breen for great work on student publications!



This book has been long in coming. The road was fraught with perils, some from without and some from within. I appologize if material which you submitted does not appear; many pages died in an unfortuituos hard drive mishap.

Striving to do honor to the year, and accurately capture the web of Caltech life between the pages of a book was a constant battle. For victory, I owe many thanks to Hall Daily and Wren Montgomery. Without their invaluable advice and guidence, I might never have put this tar pit behind me.

For me, the substance of the book was the journey, for you the destination. Now, at least, a year shared in the twilight of the century and millenium is tangible. Some chapters closed, others made open. The memories of this time pass backward into the past. Yet they will always have some reality, pressed into the wet mud of a new world. Part of that impression is captured by this book. Now, I commend it to you and the ravages of time.

