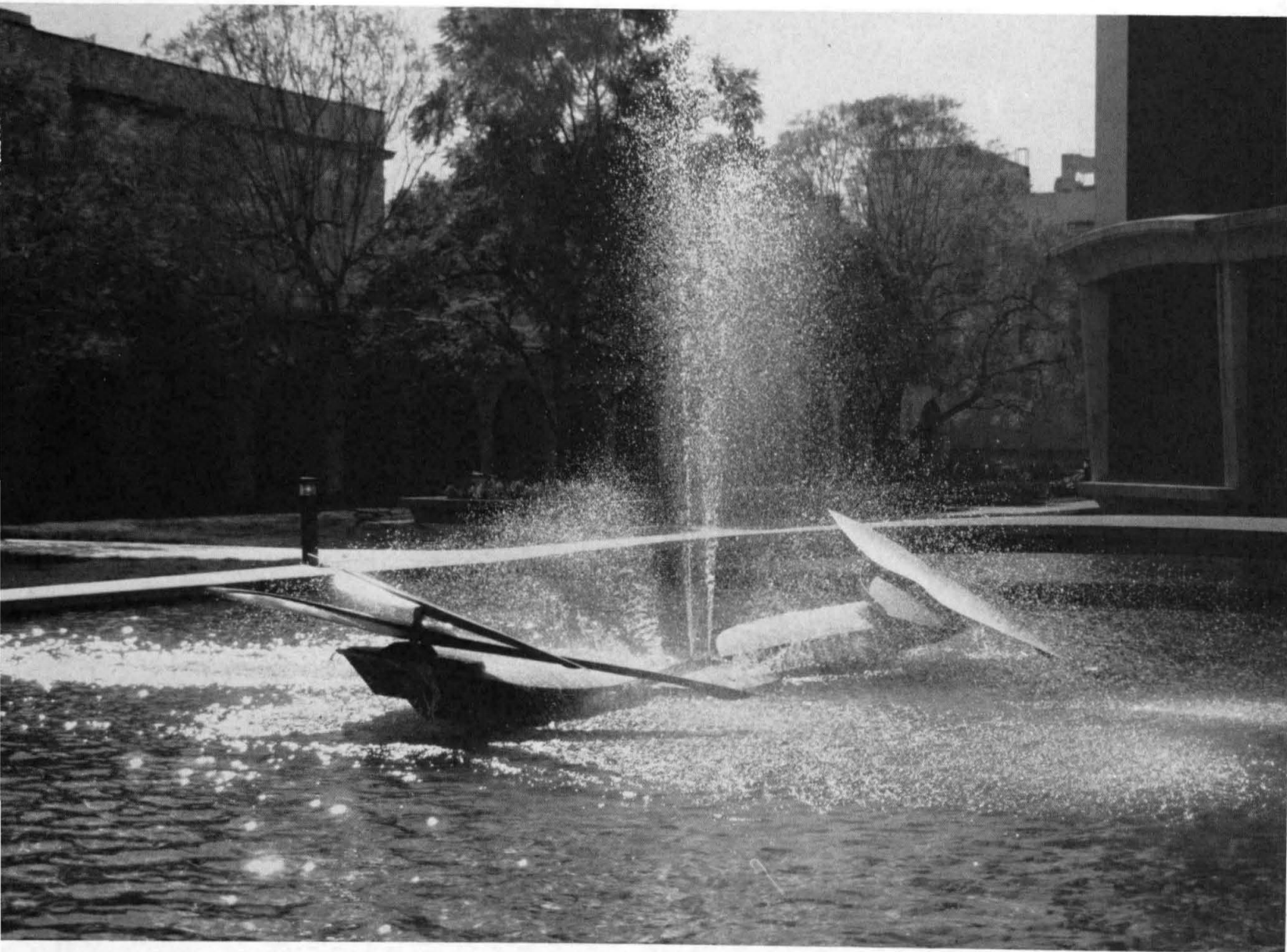


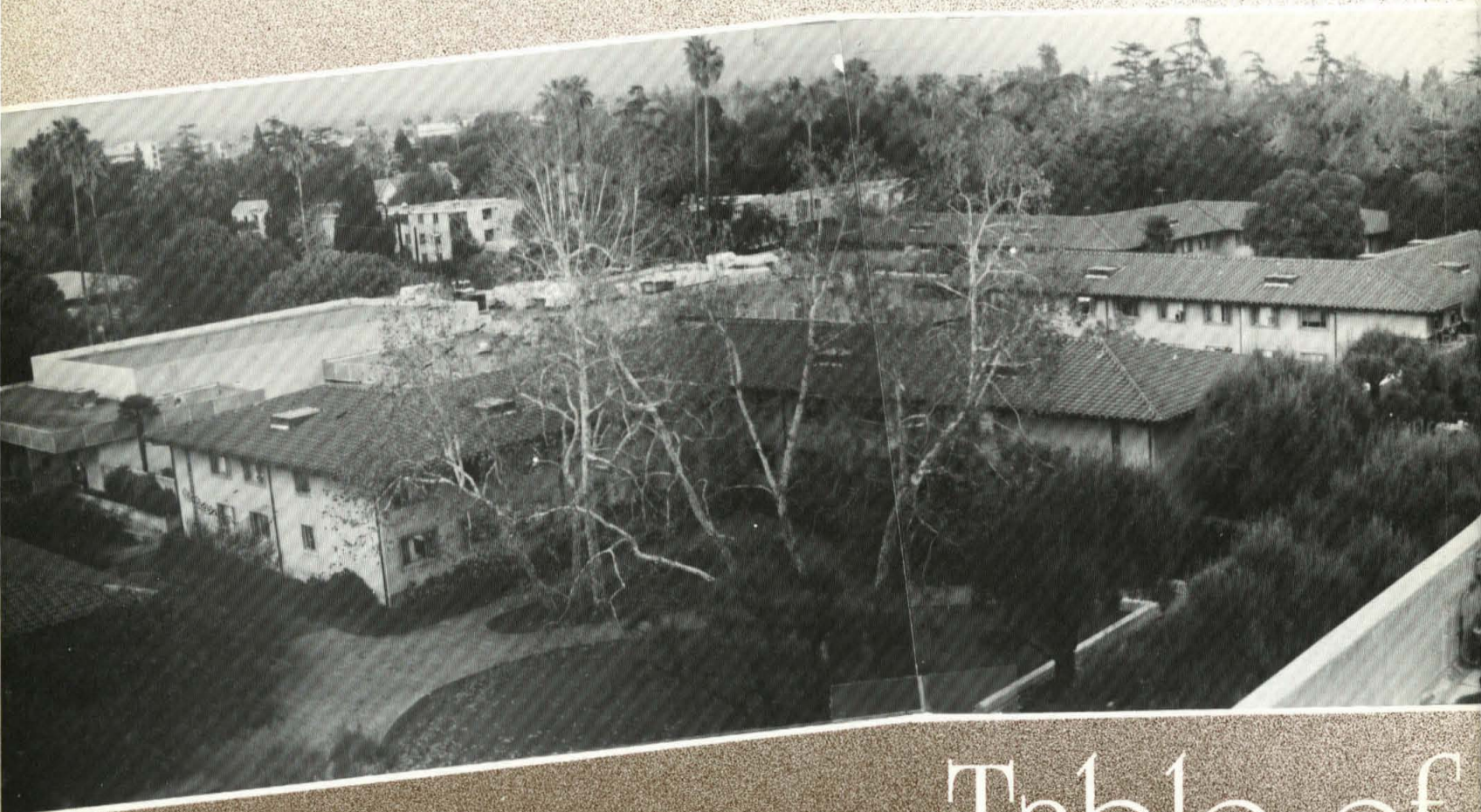
*A New Century*

*The Big 7*  
*1991*



*A New Century*





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# What's That on the Cover?

As the editors of the yearbook, we were confronted with the challenging task of how to represent a year in the lives of eight hundred people within about 300 pages. Those choices were generally very difficult: what photographs to choose from any number of very good ones, what events to cover in a centennial year full of activities, and so on. The most difficult choice, however, was that of the theme for the whole book.

Though this was the centennial year, we did not want to make this book much of a retrospective of Caltech's last hundred years. Therefore, we chose the theme "A New Century" to simultaneously celebrate the past, mark the present, and whisper passages of the future. To complement the theme, we chose the new Millikan fountain as our cover design. The fountain is a symbol of the centennial, and yet it is also something that much of the Caltech community is ambivalent about. Under the right conditions, the fountain can be quite beautiful -- say on a balmy night with a gentle breeze to move it. At other times, perhaps on a cold, grey morning, some would call it ugly. However, upon reflection, one realizes that the past, present, and future also have many faces -- not all pleasant, but yet like the new fountain, always somewhat interesting, and forever dynamic.

Throughout this book you will see this theme continued. We have tried to give you a view of one year, tempered by some glimpses from the past and some wishes for tomorrow. A warning: not everything recorded in these pages is wonderful and pretty, but we hope that it is all close to the truth, for we have struggled to make it so.

We hope that you enjoy these memories of the 1990-1991 year and hope that when you look back at these pages, they will leave you with a taste of the mixture of the heaven and hell that make Caltech, and all the people from it, very special indeed.

*Celina J. Mikolajczak*

Celina J. Mikolajczak  
Layout Editor

*Michelle Tseng*

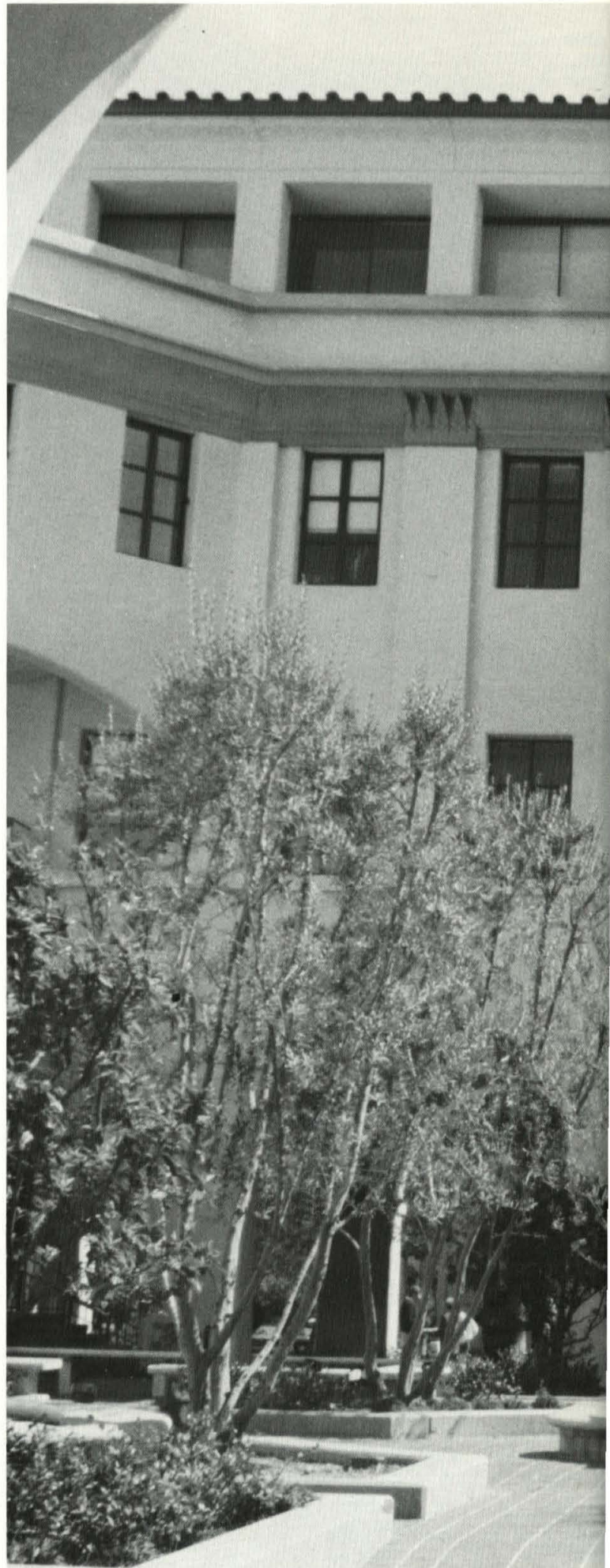
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*Emily Wen ☺*

Emily Wen  
Production Editor



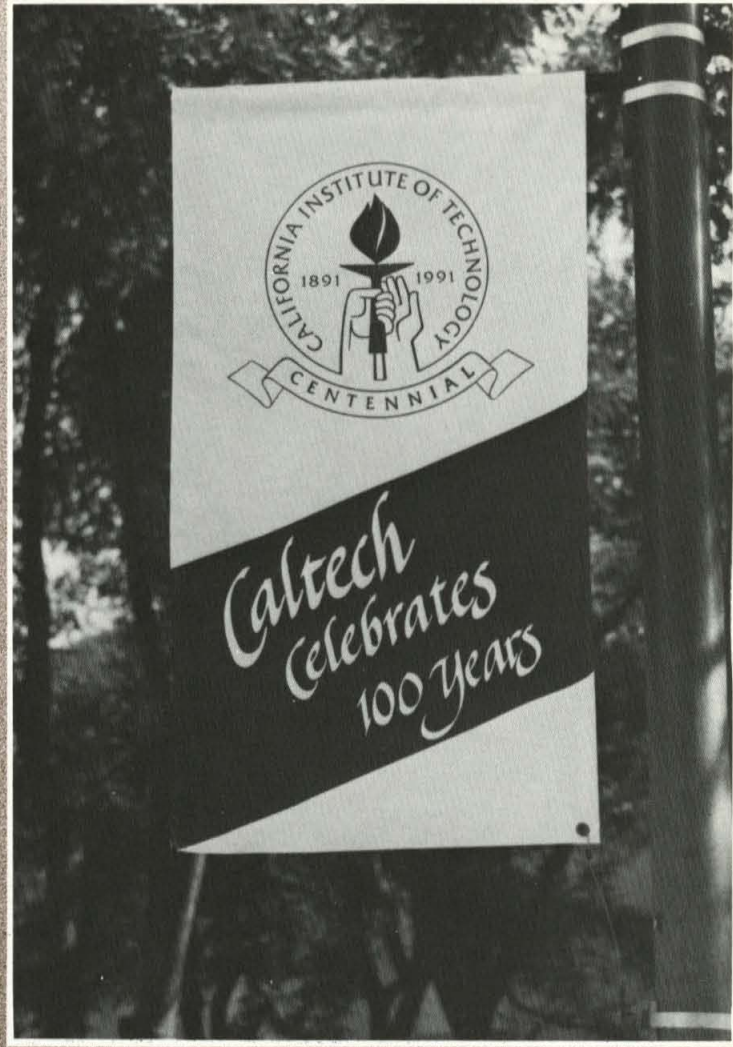




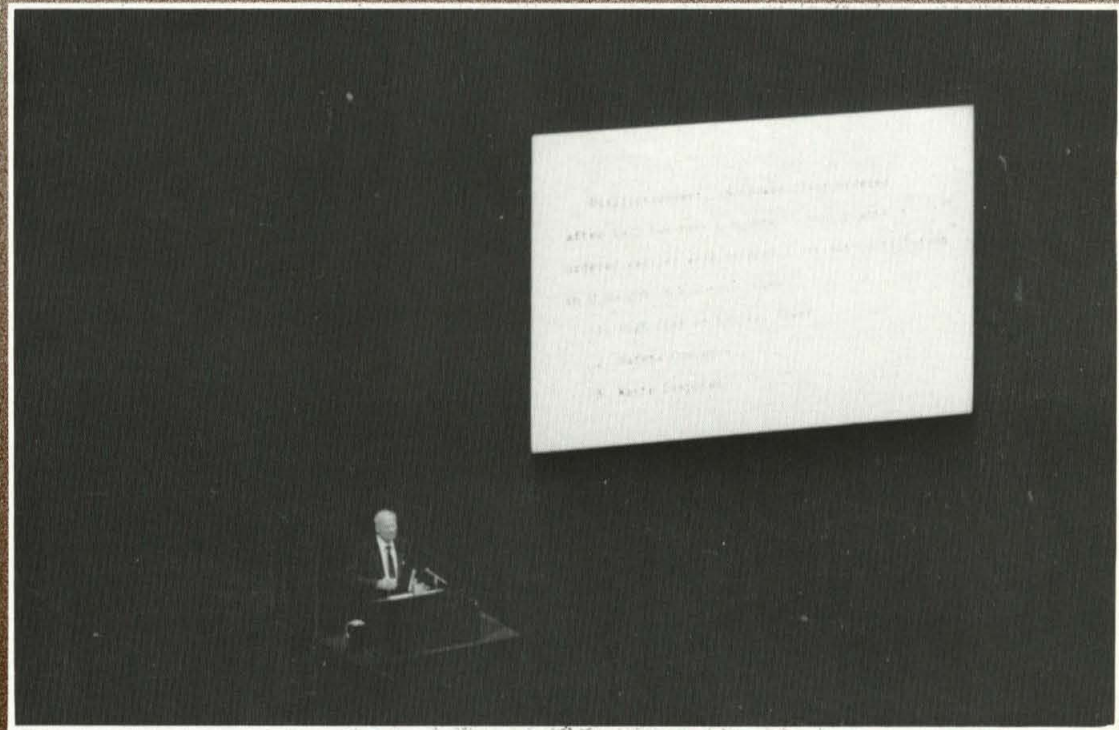


# Caltech Celebrates Centennial

Nineteen ninety-one meant a hundred years have gone by since Caltech's founding. To celebrate, the Institute put up banners and organized a considerable number of special events. A float was entered in the Rose Parade, there was a centennial series of Watson Lectures, a Centennial Celebration Party for the undergraduates, a combined Glee Club - Caltech-Oxy Orchestra Centennial Concert, a special Centennial Alumni Seminar Day, and the President of the United States George Bush came to speak at Commencement.

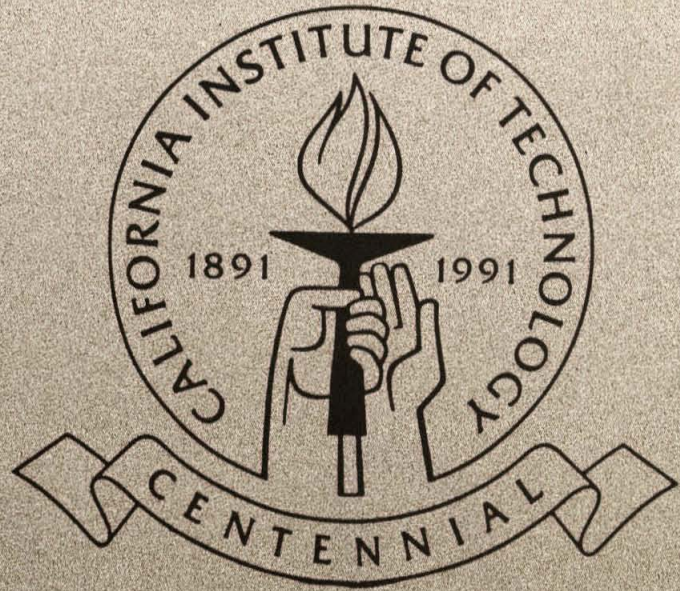


One of the Centennial Series of Watson Lectures





Banners placed around campus and the streets bordering Caltech celebrate the Institute's Centennial year. Many were swiped as valuable souvenirs.



Caltech's new flag flies on the Millikan flagpole.



Students and faculty observe the Timeline made by students to display glimpses of Caltech life from the past.



*Inter*

**CANC**

**EXCELLED**

*Excuse*



# War in the Gulf

The breakout of war in the Gulf was met with shock at Caltech. Students put work on hold to watch and listen to news broadcasts detailing the U.S. attack on Wednesday, January 16, 1991. As the initial shock and disbelief wore off, the campus split into two groups: those in support of U.S. actions, and those opposing war in the Mideast. Those opposed to war participated in anti-war demonstrations at the Federal Building and LA City Hall. Many

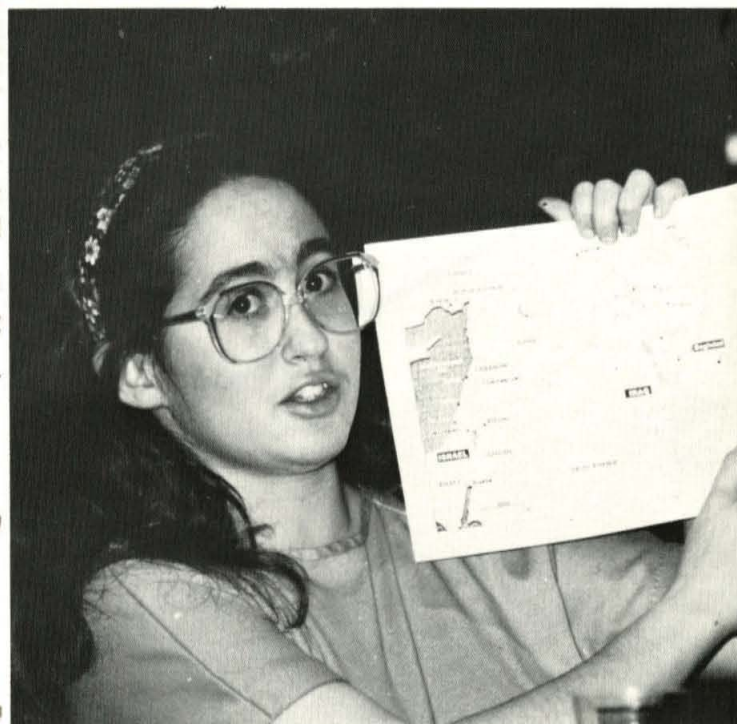
people on campus displayed yellow ribbons in support of U. S. troops.

Caltech sponsored a Teach-in on the Gulf Crisis, and panel discussions about war in the Middle East. The panel, moderated by Professor Don Kevles, consisted of thirteen members, and represented a spectrum of views on the Gulf War. Around two hundred people attended the forum held at Ramo Auditorium.



As a comparison: Caltech during the Vietnam War. (Courtesy of the Archives, California Institute of Technology.)

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## Iraqi Missiles

off war: Explosions and fires are reported in the  
ital. 'The liberation of Kuwait has begun,' Bush says.  
 Hussein declares that 'Iraq will never surrender.'

WASHINGTON— War with Iraq began today as hundreds of American, British, Kuwaiti and Saudi Arabian warplanes bombed strategic targets in Iraq and occupied Kuwait.  
 Led by U.S. F-15 fighter-bombers based in Saudi Arabia, the massive air offensive was launched at 1:50 p.m. PST Wednesday—Persian Gulf time—after hours of explosions in Baghdad.

## Attacks by Allies Continuing

### Iraq Shells Saudi Oil Installation, Setting It Aflame; No Casualties

### War News Sets a Wave of Protest in MIDDLE EAST

beg... the ...  
from the ...  
ard in a state...  
his spokesman.  
Iraqi President Saddam Hussein.



**U.S., 1 British Jet Loses  
Allied Troops on th**

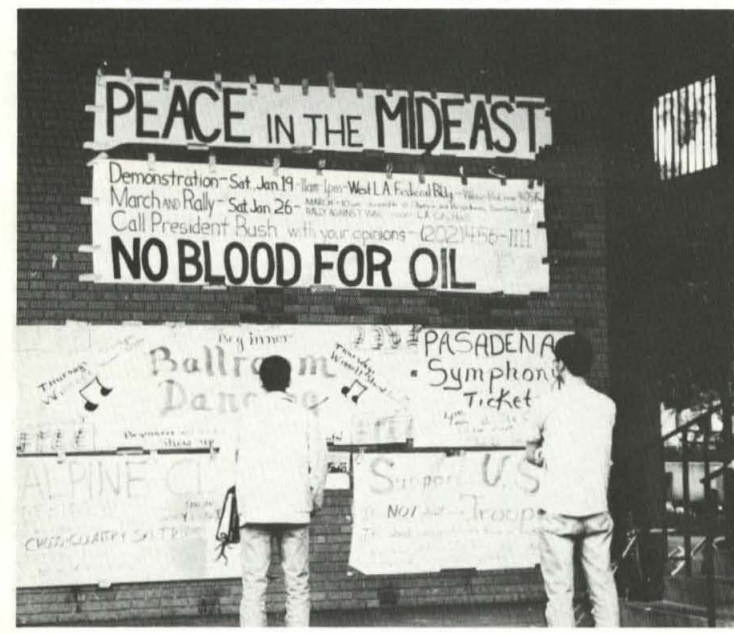
**Allied Jets Bombs Baghdad  
to Try to Avoid  
Civilian Casualties**

**Bombing:** But 'you've got to hit what you've got to hit,' an official says. Many weapons are highly accurate.

From Associated Press  
**CENTRAL SAUDI ARABIA**—The United States followed up devastating pre-dawn air attacks on Iraq's armies from Kuwait and breached the country's defenses.

Cheney said U.S. planes had flown 11 missions today. Early attacks on Iraq and occupied military base. Cheney said U.S. attacks continued through the day in Iraq. There was no way to tell the extent of civilian or military casualties. Cheney described the war as "so far from a victory."

Students in Blacker House eat dinner in front of the TV listening for news on the first night of War in the Gulf (Courtesy of the STAR NEWS, Pasadena, Ca. Photograph by Paul Morse)

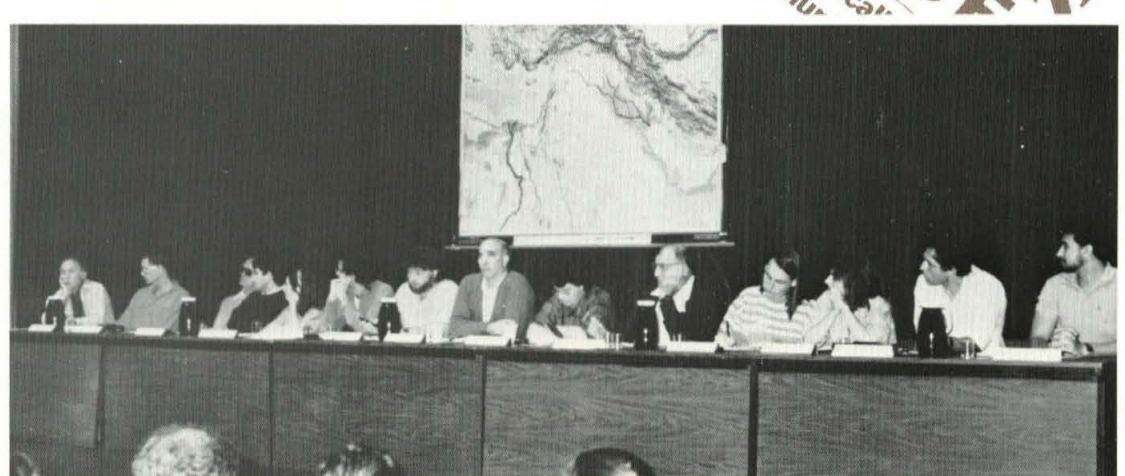
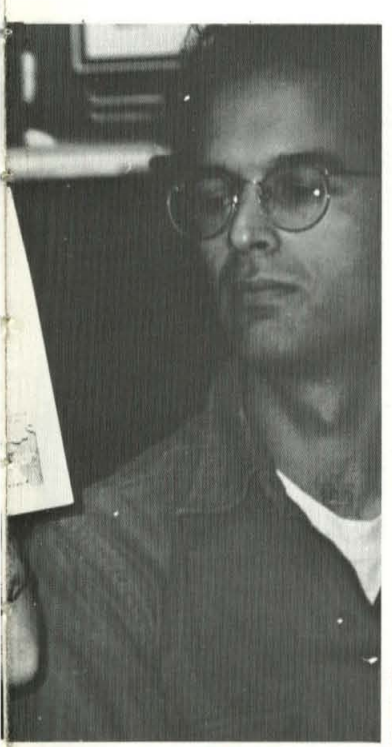


**Live from the Middle East  
CNN scores a reporting coup as TV dramatizes war in the era of instant worldwide communication**

Banners expressing opposing views on the Gulf War appear on the wall of Winnett Student Center.

**High-Tech Warfare—  
A New Era**

The success of the once-controversial Tomahawk cruise missile is emblematic, experts say, of improvements in electronic weaponry that many remain skeptical about.



A campus panel discussion of the Gulf War.

Golda Bernstein speaks during a campus Gulf War discussion.

**WAR**  
**U.S., allies storm Iraq Baghdad calls for help during attack**

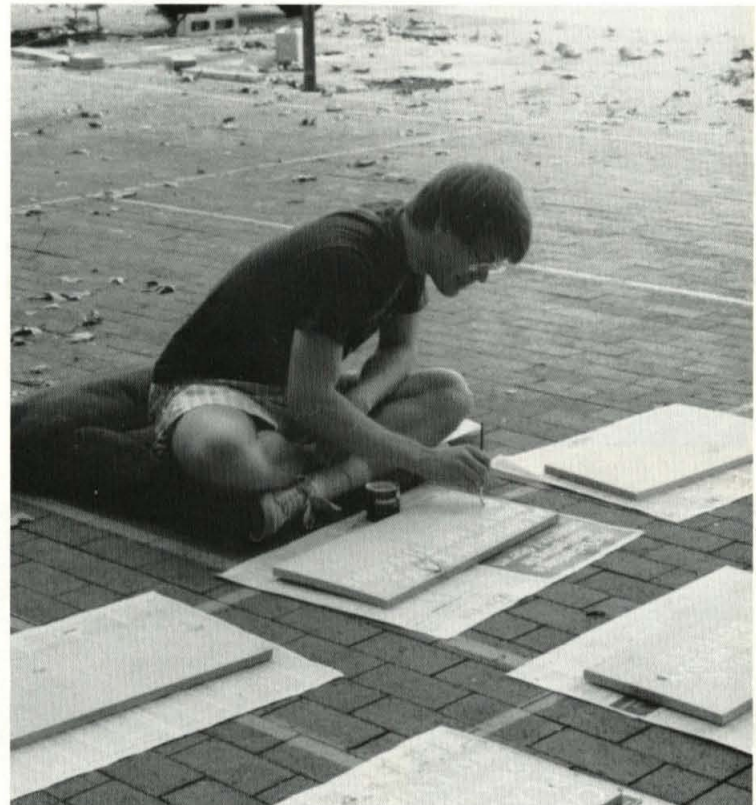
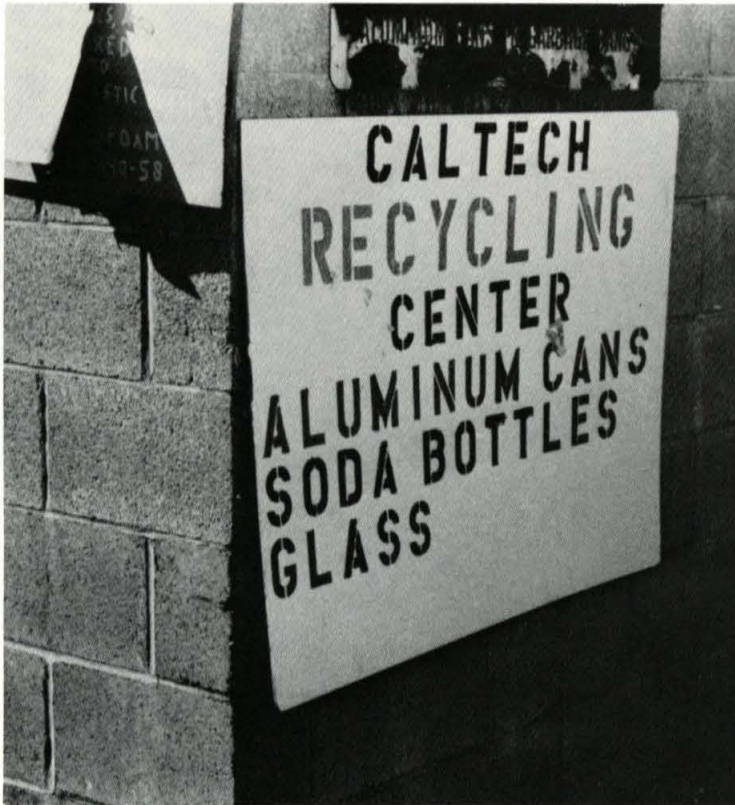
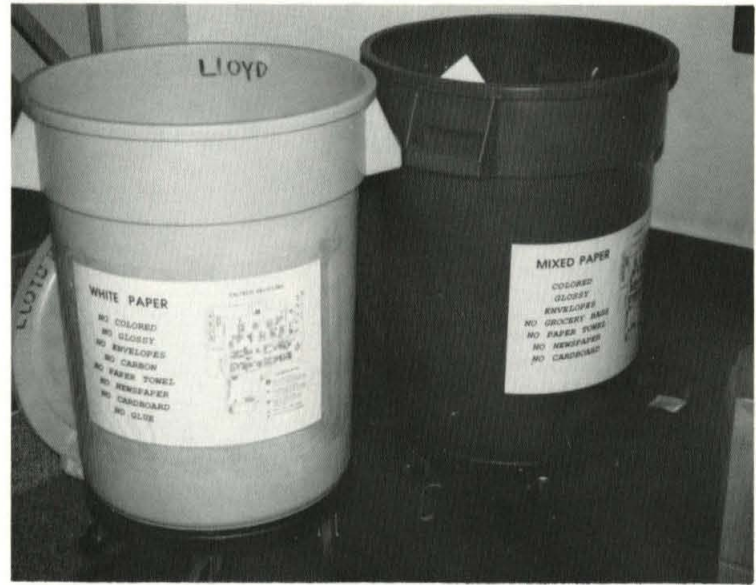
**GULF WAR**

Events **100<sup>th</sup>**  
year



# The Caltech Environmental Task Force

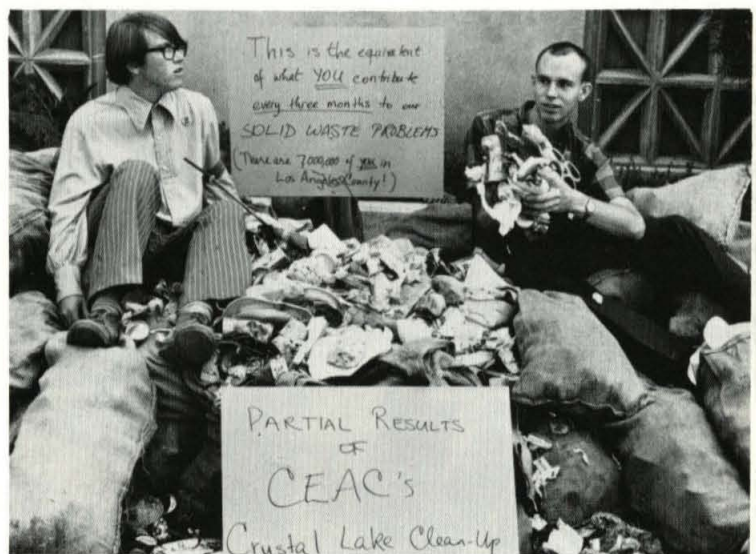
With the growing awareness of environmental issues, graduate and undergraduate students organized the Caltech Environmental Task Force (CETF). CETF sponsors speakers to campus and works to increase environmental consciousness on campus. This year, the group convinced Caltech to renovate the recycling center and buy special bins to be placed around campus for the recycling of white paper, newspaper, aluminum cans, glass bottles, and plastic bottles. Volunteers from the group then take the bins for emptying at the recycling center.



**Above Right:** Niel Brandt paints new signs for a renovated recycling center.

**Left:** An earlier environmental movement at Caltech. How much larger is LA's population now than the 7,000,000 quoted in their sign?

*Courtesy of the Archives, California Institute of Technology*

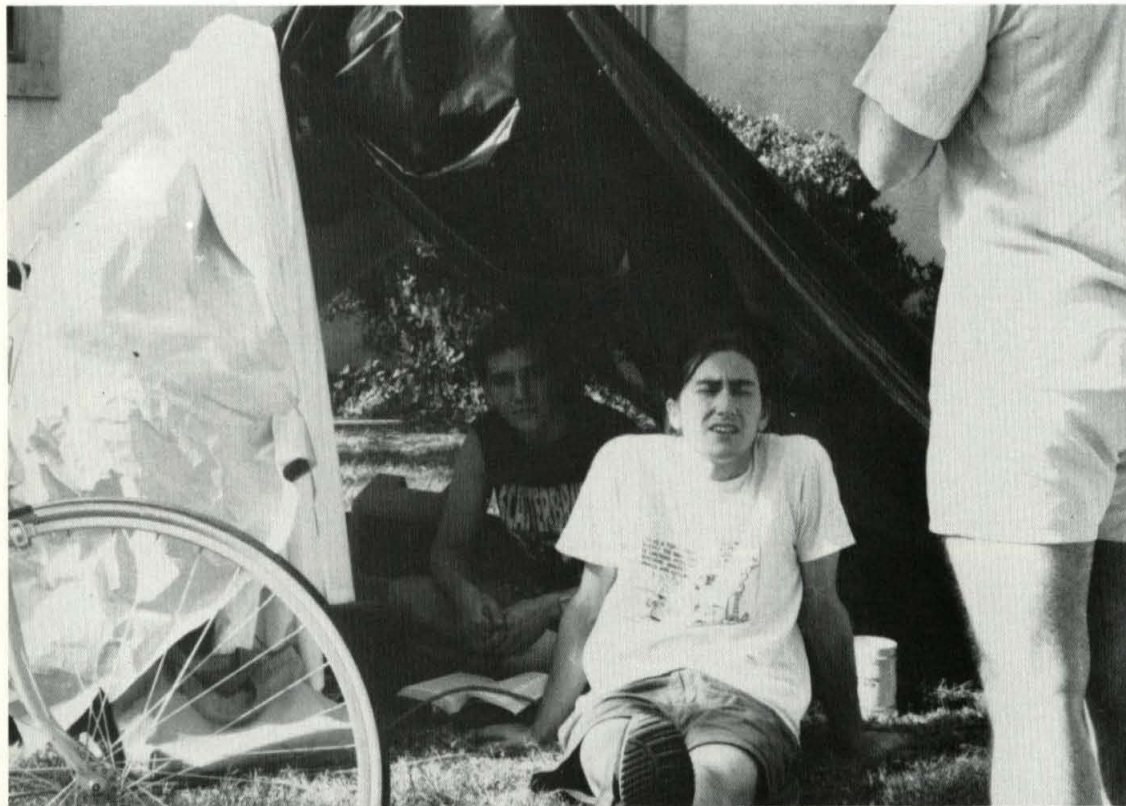




# Shantytown

In order to bring attention to the undergraduate housing crunch, undergraduate students created Shantytown on the Olive Walk. A large incoming frosh class, the largest number of incoming transfer and 3-2 students in Caltech history, and the imminent removal of the affiliated houses along Holliston to make room for a satellite power plant and parking structure precipitated this year's housing dilemma.

Because of these problems, and a slowly increasing undergraduate population, due mainly to more five year students, the housing system was unable to provide accommodations for all the students. Some have had to find private apartments for the coming year. With an eighth undergrad house still in the initial planning stages and unfunded, the problem will probably not disappear anytime soon.



A view of the entrance to Shantytown-the DRL discusses the housing problems with students.

Noam Bernstein and Walker Aumann inhabit their shanty complete with computer and stereo.



The shanties are built from a large variety of items. In the background, Sandee Perez does her homework.



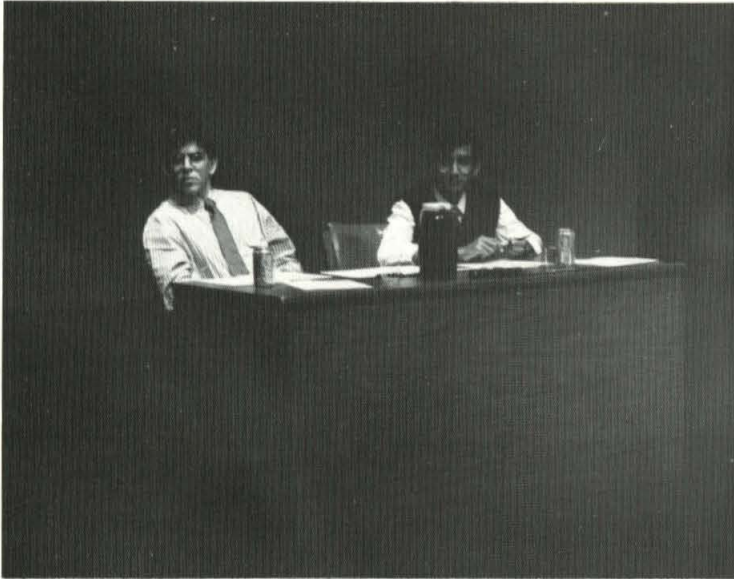
# Student/Faculty Conference

The first undergraduate Student/Faculty Conference in many years was held on May 13th, 1991 in Ramo Auditorium, sponsored by the Dean's, ASCIT, and the Caltech Y. The conference was based on a questionnaire distributed to students during third term registration.

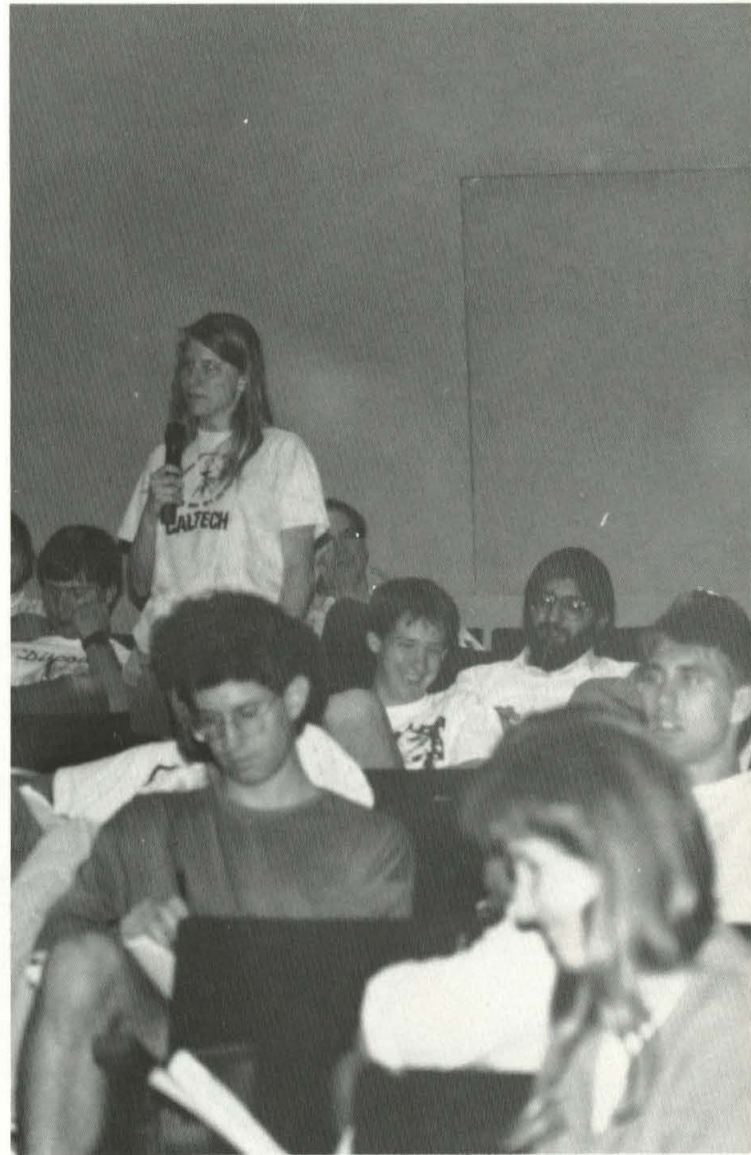
Some hot topics of discussion included: should there be an ATM on campus, is the honor system working, etc. Another question

that came up during the discussion concerned the pass/fail option. While some students thought that more classes should be available pass/fail, some professors were trying to require some classes to be offered graded only. Frosh humanities was another concern voiced in the conference.

This meeting provided a useful channel for students to voice their opinions. Hopefully, we will see it again next year.



Cochairs Dan Frumin and Bappa Mukheriji moderate the discussion during the conference.



Mike Nassir asks a question. Many students attended this event.



Eureka Undergraduate Research Conference

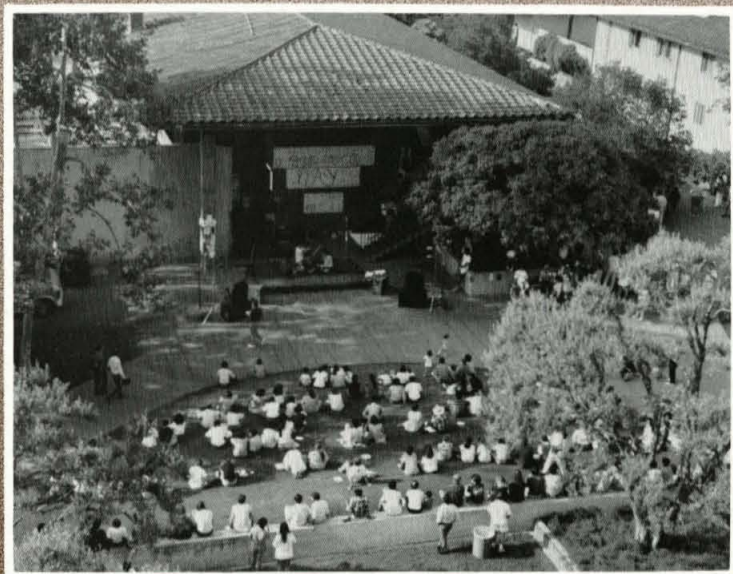
Mosh Wilde Resigns

CAMPUS SECURITY

Magellan at Venus

KECK TELESCOPE

Quality of Life Survey



DAPAC

Drought

New Gymnasium

Hill House

Director of Residence Life

Touchstone Supercomputer

Martin Luther King Day

Big Green Initiative

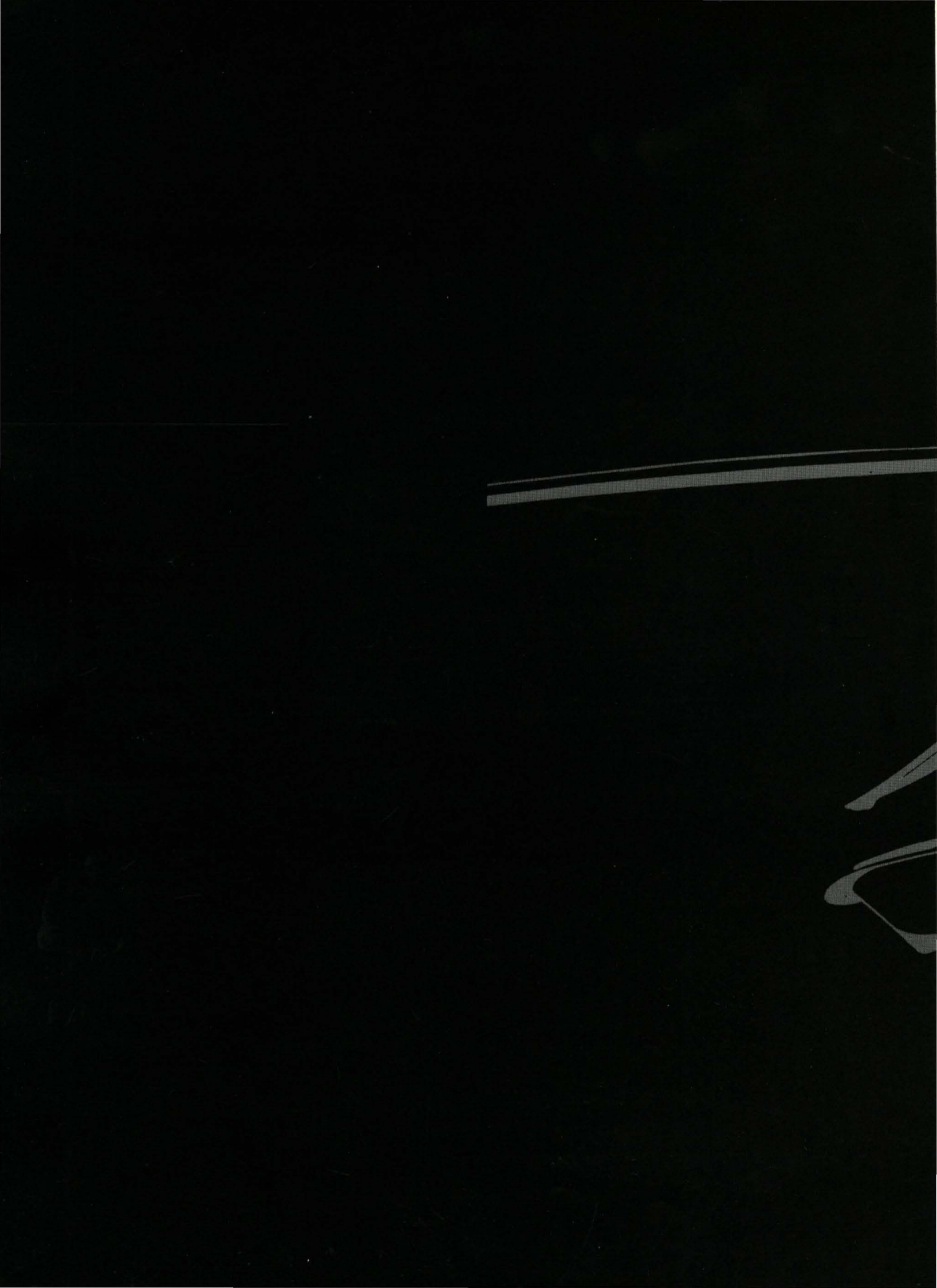
New Food Service

Space Shuttle Endeavor Unveiled

Drug and Alcohol Awareness Week

2001-2 Discussion Group









Rodeo 1937--It is now more accurately called Mudeo, but the contents are much the same. (Courtesy of Archives, California Institute of Technology.)

*A New Century of  
Student Activities*



# Welcome to Caltech, FROSH!

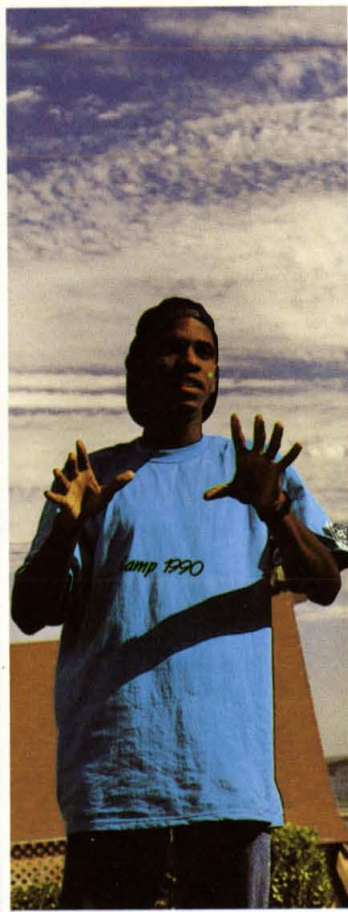
The annual freshman camp was a sunny success. Our sympathies to all those who could experience the elements in the deluxe open air villas.

As usual, Dave Geraghty took the traditional President's swim-care of the frosh class, of course.

Professor Antonsson organized the second annual design contest. The task was to give a

team member a bath in ocean water, but not in the ocean. The participants had to transport the water from the ocean to the lawn in containers made of tin foil and paper plates.

There were honor system briefings, the usual sealife talk and tasting session, a party, a talent show, and the food that always makes BC look great.



Call me GOD.



One solution to the design contest problem.

"Let's forget about style and just make a tin foil and paper-plate fashion statement instead."







A simple and highly effective bath water delivery system.



"Outta my way, I got to throw up!"

"Let's throw knives and grenades next."



"I just like playing in the mud, don't you?"



The Sophomores struggle valiantly not to get pulled into the mud in the tug of war.





# For the first time in Mud Mud Mudeo

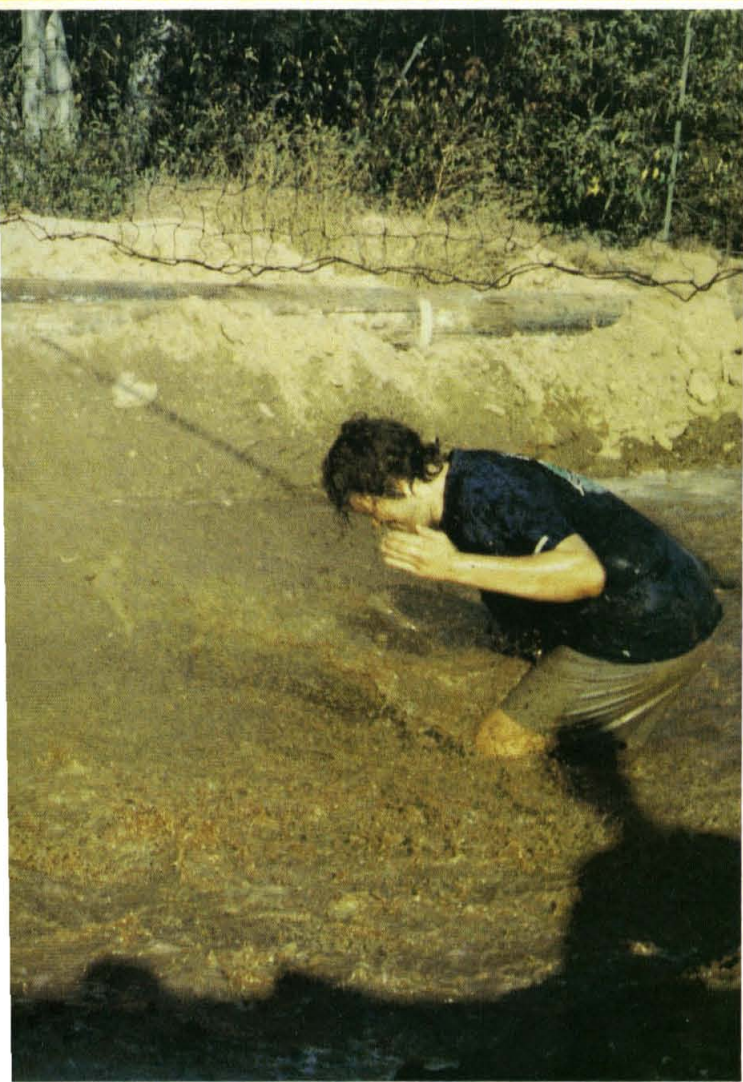
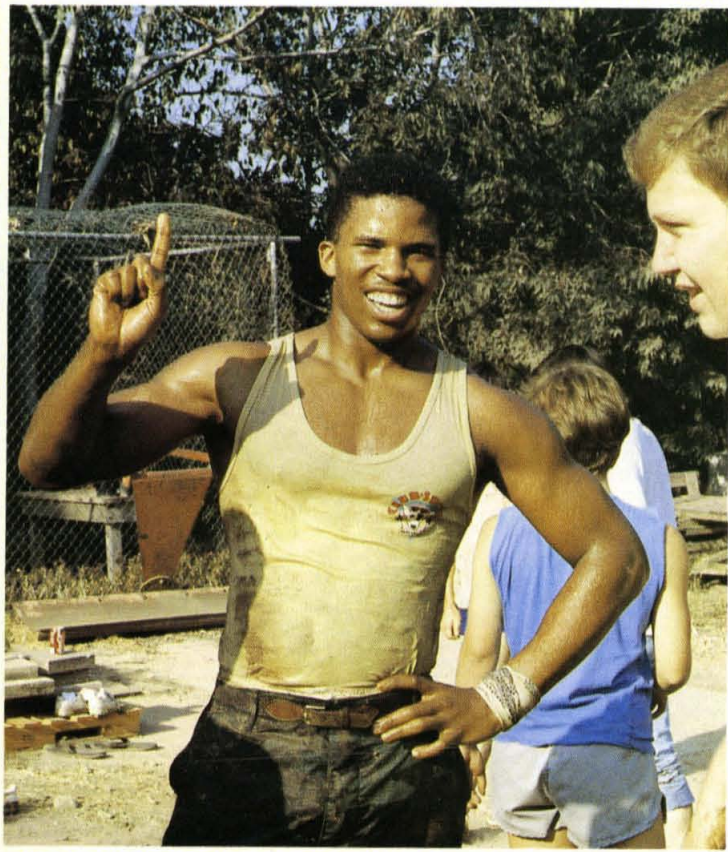
history the Sophomores lose to the frosh

**T**he frosh annihilated the sophomores in this year's MUDEO. The pounding was largely attributed to the freshmen's huge turnout. They faced a small but enthusiastic sophomore squad, who put up a valiant, albeit unsuccessful, fight.

The sophomores were dragged into the mud in the tug of war, wrestled into the mud in the chicken fight, dizzied into the mud in the bat race, and pounded into the mud in volleyball.

While the two teams mucked around in the mire, the Master's and Dean's offices were serving plenty of burgers, hot dogs, and junk food. Needless to say, there was a large crowd to watch the event.

Congratulations should go to Eric Stout, who followed last year's Junior Class President's lead by managing to keep one of the Caltech undergraduates' oldest traditions alive and fun for another year.



Sarah Yoder serves in the game of mud-pit volleyball.

Anything as messy as this mud pit deserves a splashing fight.



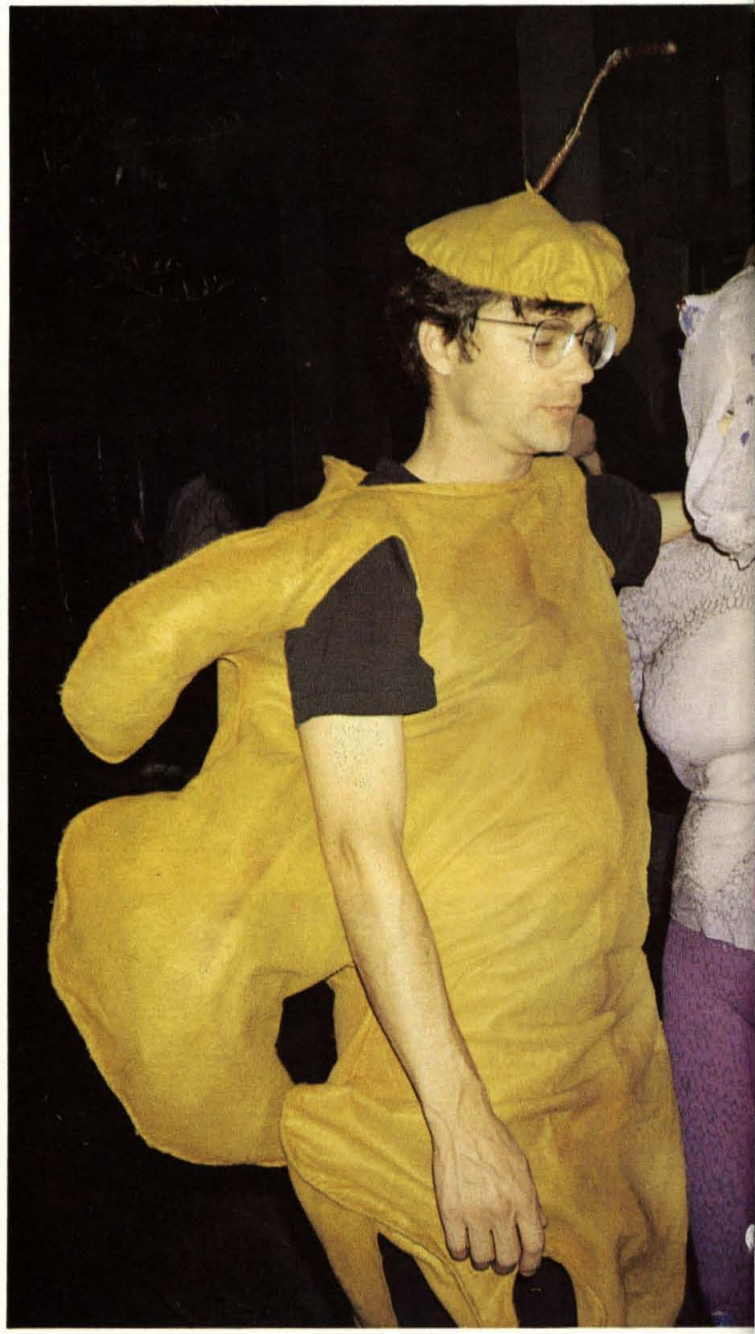
# Halloween Party

The Ricketts-Fleming courtyard was aglow with the light of Jack O' Lanterns for the ASCIT-sponsored HALLOWEEN PARTY. There were the usual spooks, as well as some rather unusual guests. Some of the ladies looked real familiar, but no one could figure out where they had come from. Jack Prater, Dan Ko, and Bill Greene must have some long-lost sisters or cousins around.

Aimee Smith did a nice job organizing this event. Compliments are also due to those people who helped carve all those pumpkins, as they came up with some pretty scary designs. Unfortunately, it was again shown that the Institute waters its lawns way too much as the dancing quickly reduced the lawn to mud, but then again, what is a little dirt and dust to the undead?



It's the Scarecrow, the Lion, the Tin Man, and Dorothy!







Geez Adam, where in the world did you pick her up?



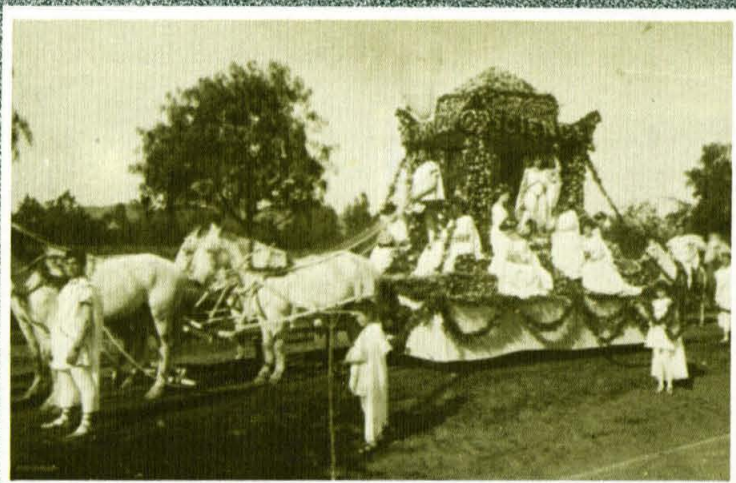
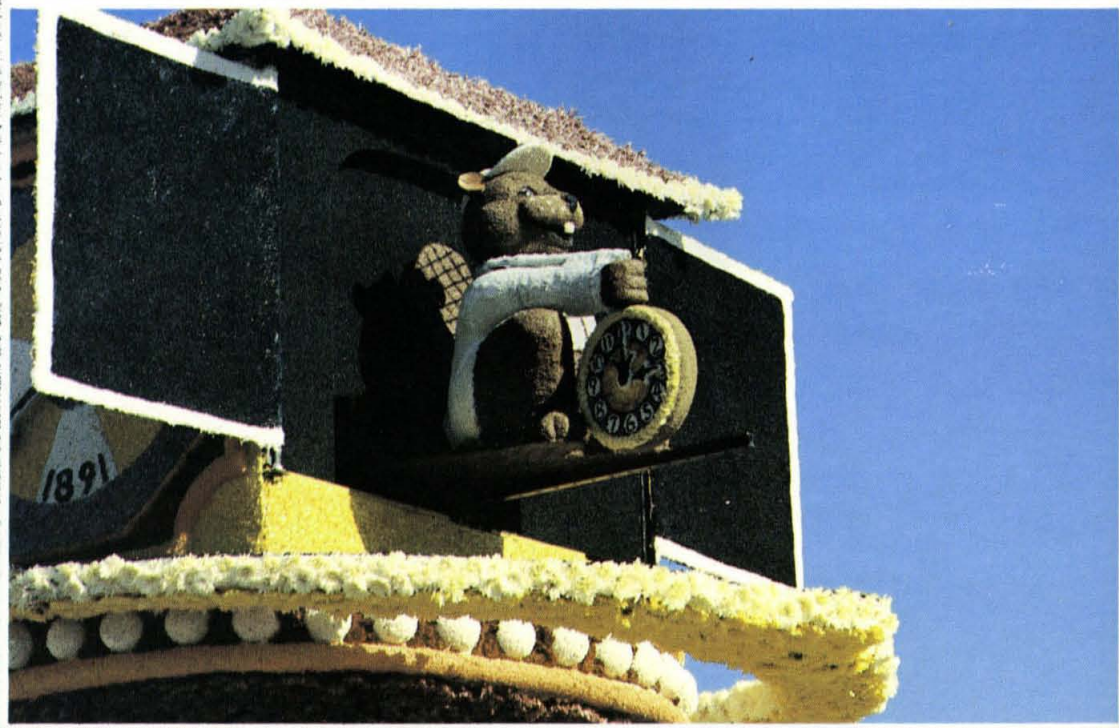
When was the last time you saw a nun and an injured soldier partying together?



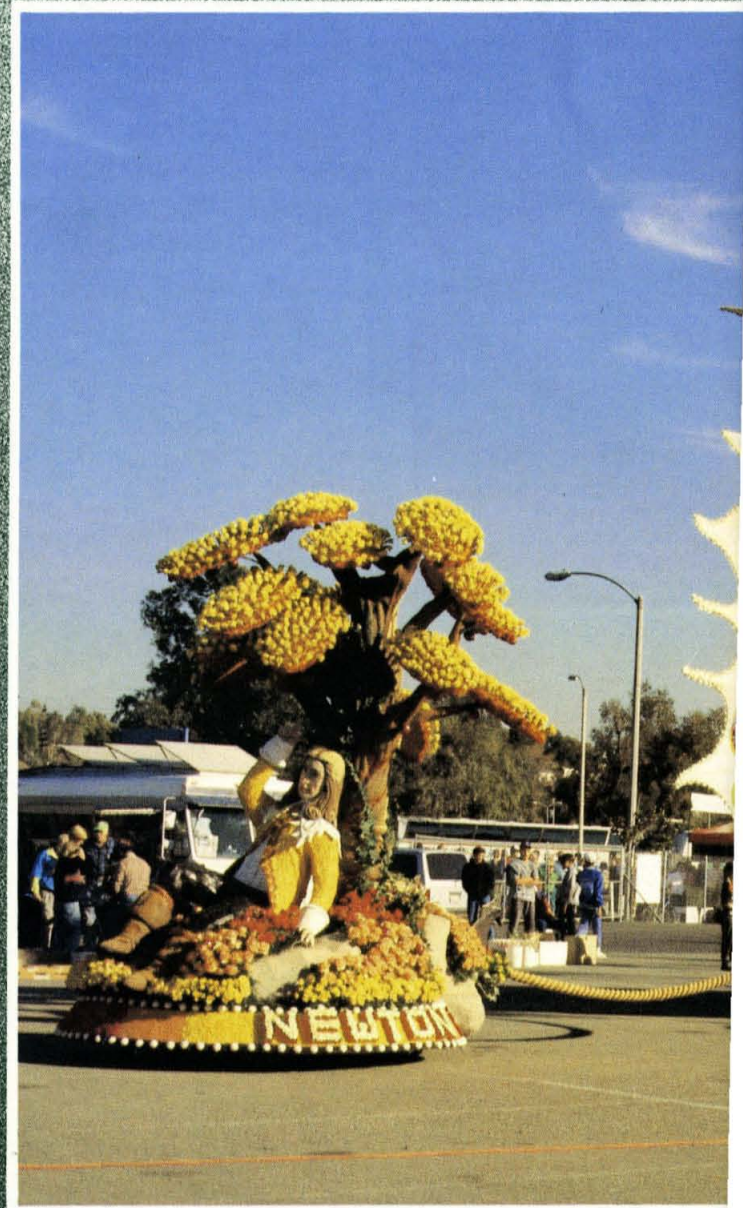


A beaver at the front of the float says that it is time to start up the Time Machine.

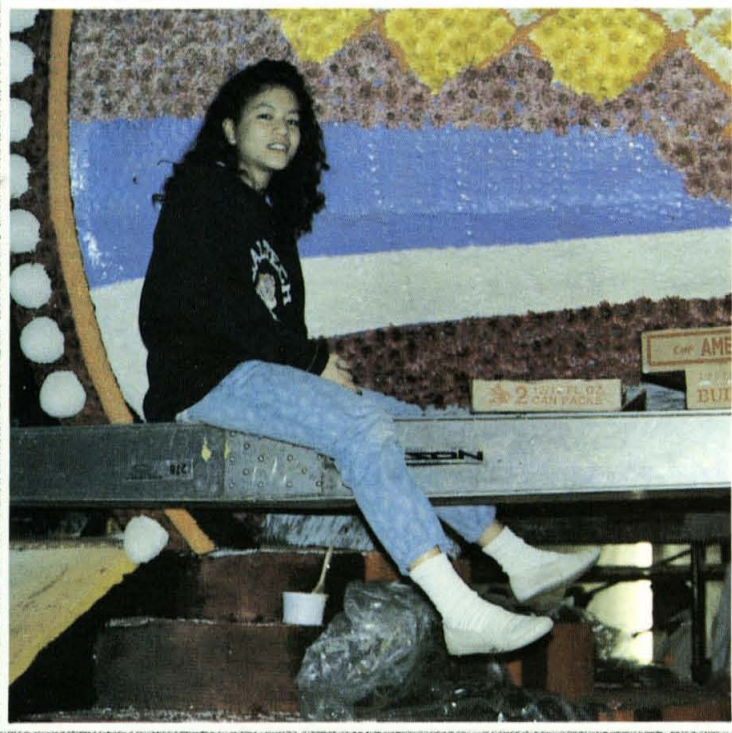
The first Caltech float on record. This was the Caltech entry in 1904, still in the pre-automobile age. If you look closely you can see the words "Throop Science" written on the float. (Courtesy of the Archives, California Institute of Technology)



One of Caltech's two previous Rose Parade entries - this float in 1950 celebrated the building of the 200 inch Hale Telescope on Palomar Mountain. (Courtesy of the Archives, California Institute of Technology)







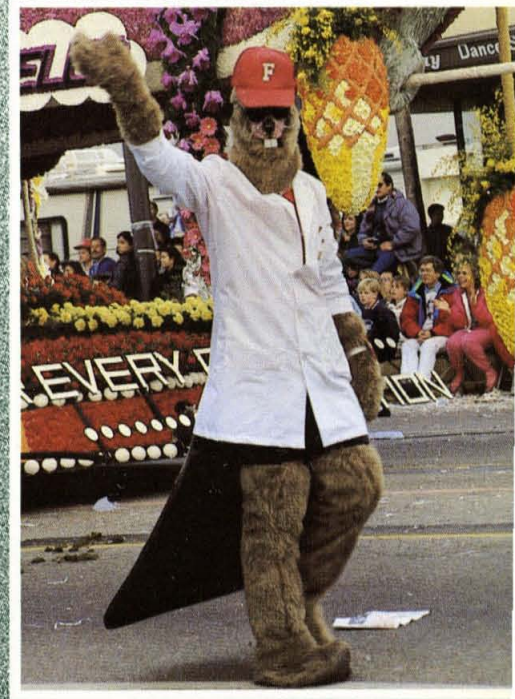
# Caltech is 100 Years Old!

To celebrate its centennial year, Caltech decided to enter a float in the 1991 Tournament of Roses Parade. The design was a combination of ideas submitted by the Caltech/JPL community, all put together into a Rube Goldberg time machine. The "Time Traveler" showed how several Caltech Beavers inspired Newton to discover gravity by knocking him on the head with an apple.

Students helped with some of the design and initial construction, and the entire community was invited to help decorate the float.

The animation, which was very complex, did not survive the entire trip down Colorado Boulevard, but the float was a fun and delightful means to celebrate Caltech's 100th birthday.

Some undergraduates, such as Nancy Hua, help build the Caltech float.



One of the beavers walking with the float. The people in the costumes were a mix of students, JPL'ers, faculty, and staff.

The 1991 Caltech Rose Parade Entry. The main body of the float holds the Rube Goldberg Time Machine, while the back satellite shows Newton under the apple tree.



# The Ballad of Petunia

The upperclassmen puzzled about the task at hand,  
should it be a little prank, or something far more grand?  
Normally they'd build Interhouse, but that was not to be.  
A frosh project must occur, alas none could we see.  
Then one sophomore bellowed forth, "I've a plan which cannot fail,"  
"We'll set them forth upon the task of building us a whale!  
With flapping tail and whirling eyes and a spout of water tall,  
We'll bind them into a class before the end of fall."  
With gaping eyes and jaws aslack, they gathered in the lounge.  
"Soon you must prepare your plans, and lumber you must scrounge."  
To P-plant went a chosen few, for blueprints of the pond,  
While others salvaged 2x4's in the early dawn.  
The plans were made, the lumber grew, the time was growing near.  
The plans were changed, the leaders few, and some began to fear.  
But then the magic of the frosh began to work its ways,  
Even though the weeks of time had now turned into days.  
Within the walls of Blacker was gathered a motley crew,  
And a skeleton they began to build of wood, and nail, and screw.  
It was 60-feet from tip to tail, and 15 tall and wide.  
"You know," remarked the frosh one day, "A whale is hard to hide."  
But hide it did despite the looks from northern folk galore.  
"It's just a gerbil," we'd reply, "only this and nothing more."  
Chunks of tail and wooden frames moved silent in the night,  
And all was gathered at the pond (My God, what a sight!)  
With goosebumps and stapleguns the frosh attached her skin.  
Some labored from without, while others worked within  
To build her mighty blowhole and fix her spinning eyes,  
But near the back, inside the tail, there lay the real surprise.  
"Sophisticated Counterbalance Mechanism" is what the papers would read,  
But what lay beneath the plastic skin was something else indeed.  
An axle here, a sink brick there, three cinder blocks for weight,  
We tried and tried to make it work, but the hour was growing late.  
A final test was made that night, and much to our surprise,  
The bucket filled, the boom swung down, the tail began to rise.

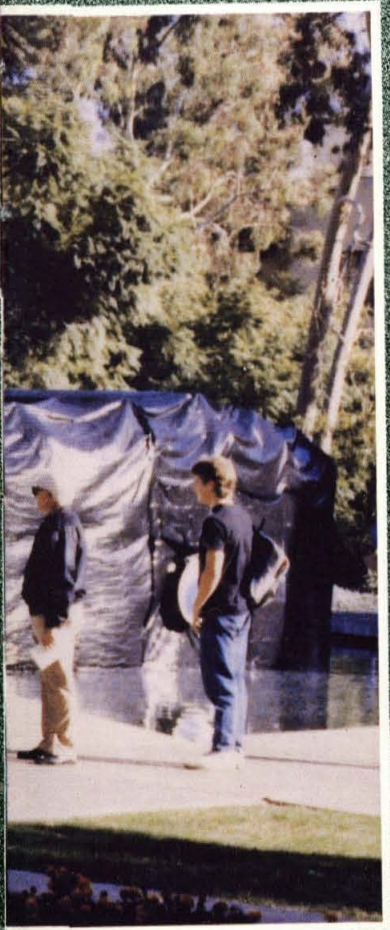




# The Pond Is Green!

At the new fountain's dedication ceremony, President Everhardt said that he was looking forward to seeing more pranks in Millikan Pond like the whale. He didn't realize that the Darbs were one step ahead. During the rest of

the ceremony the water turned a deep, rich green color. The administration got a bit miffed. Obviously they weren't looking forward to another prank that much.



## The Whale

There she sat in Millikan Pond, for all who came to see,  
A noble specimen of a fine sperm whale who had wandered from the sea.  
She rolled her eyes at passers by, and waved her mighty tail,  
And loudly we'll remember Pennus Blacker's whale.





# Pardi Gras

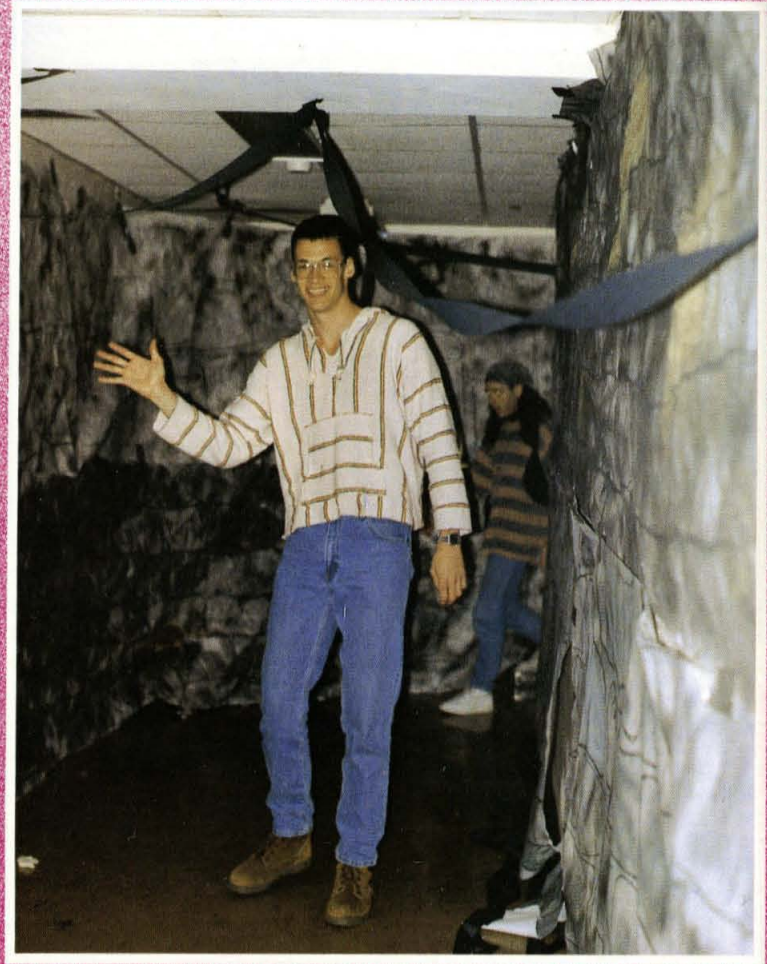
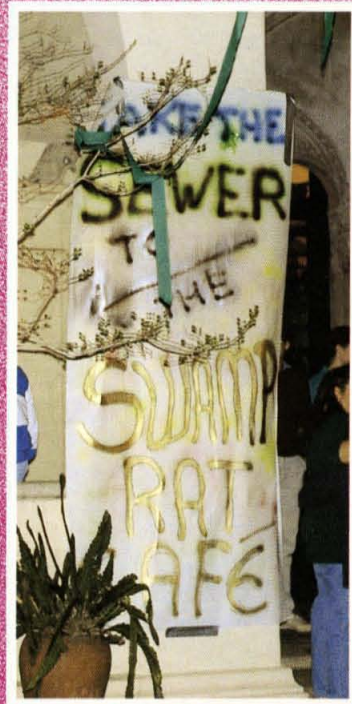
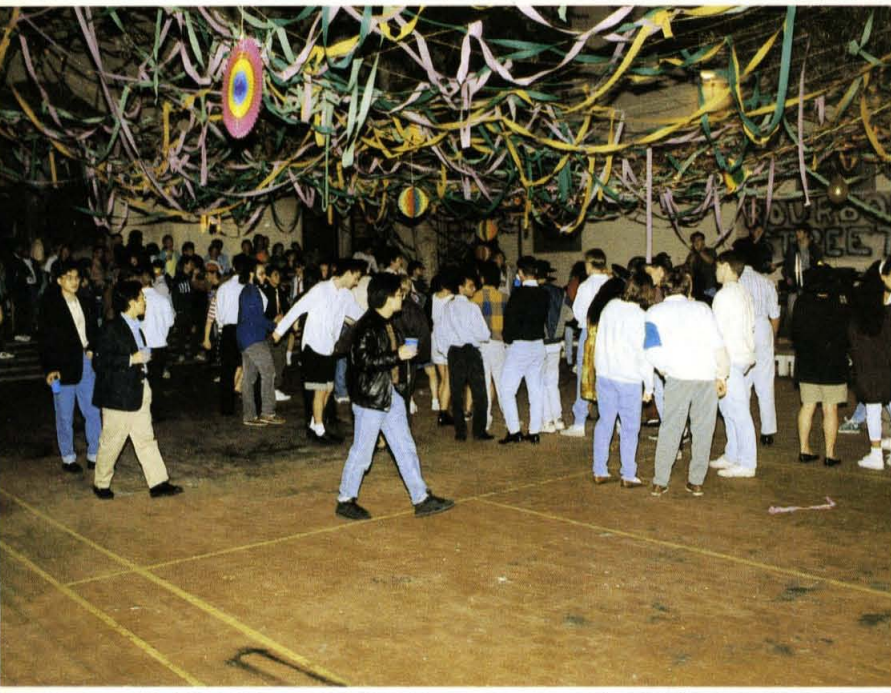
The seven house event second term was the highly successful Pardi Gras.

In order to keep the tradition of seven house parties, Andrea Medjia, the Blacker House President, negotiated for Pardi Gras. Her effort was well worth it. The seven houses contributed to a party that took place in Blacker and the Phillipino Courtyard. People dressed up in costumes and danced to the music played by our very own band, Everyband. The whole production was a large

effort and many people contributed liberally of their time to make it happen.

Blacker Courtyard was covered with a net suspending streamers and decorations. The walls were decorated to portray Bourbin Street and a lineup of Caltech bands played for the audience. There was a DAPAC approved bar, a fortune teller, and a casino. Winnings were spent in an auction at the end of the night.

Meanwhile in the Phillipino Courtyard, there was food, cotton







Voted the most favorite band on campus, the Everyband performs at the Pardi Gras.



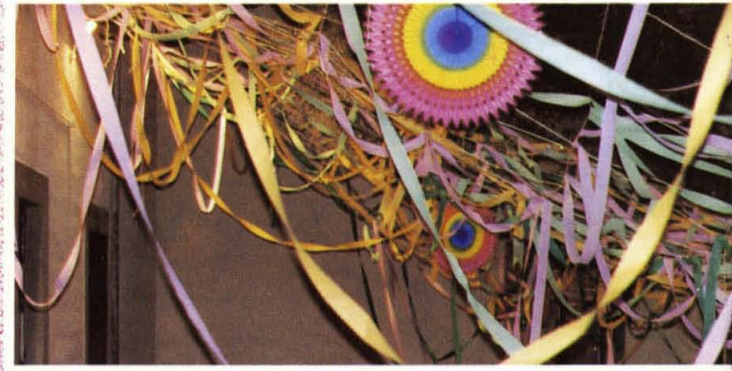
Let's see, blue chips are \$100, red chips are \$500, or was it the other way around?



Wallflowers on Bourbon Street.



# PARADY



People gather around the bar, the most favorable social corner in the party.

Ben Holland tries out the Whup Ding.







# GRAS

Bevan Bennett and Anna Yeakley get their picture taken at the picture spot. Any costume looks better with shades.

The cotton candy vendor



candy, and some carnival amusements. The most popular being the whup-ding, where you can prove your manliness. Here, Chris Brennan surprised everyone by

ringing the bell on the first try, something that most people found impossible.

All in all, it was a fun party, and hopefully it will happen again.









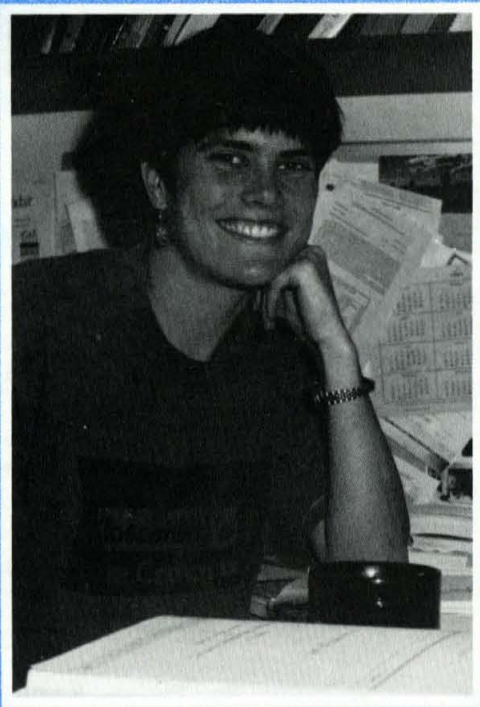
Dr. Apostle engaged in a discussion with the students in Lloyd. (Courtesy of Archives, California Institute of Technology.)

*A New Century of  
Academics*



# Astronomy

1991 A&CIT Teaching  
Award Winner



Andrea Ghez  
(TA: Physics)



Back Row: (Left to Right) N. Scoville, K. Libbrecht, E. Phinney, R. Blandford, J. Oke Front Row:  
S. Djorgorski, M. Cohen, A. Sargent, H. Zirin, J. Greenstein

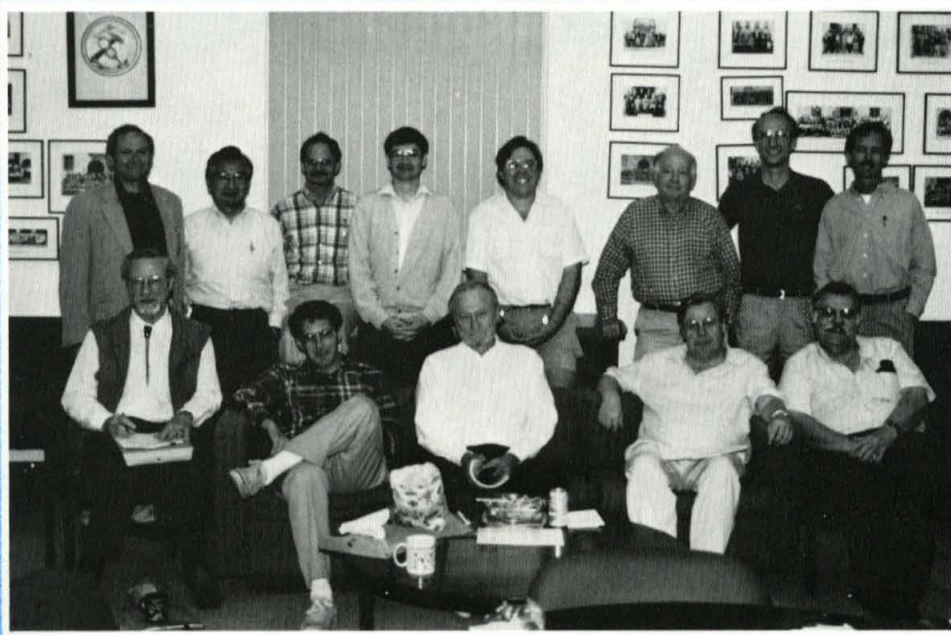
# Physics



Back Row: (Left to Right) D. Goodstein, M. Wise, F. Raab, J. Schwarz, S. Koonin, R. McKeown  
Middle Row: T. Phillips, K. Libbrecht, R. Kavanagh, W. Whaling, R. Drever, E. Phinney Front Row:  
D. Politzer, N. Yeh, S. Frautschi, C. Barnes, M. Gell-Mann

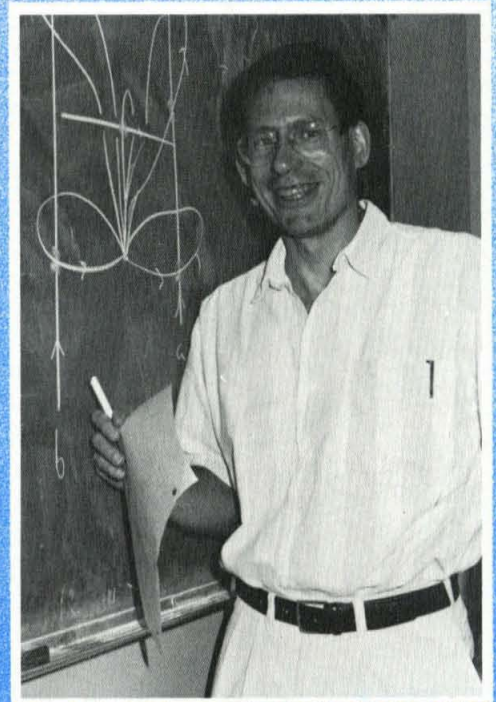


# Geology



Back Row: (Left to Right) T. Ahrens, H. Kanamori, J. Kirschvink, G. Rossman, D. Stevenson, L. Silver, A. Ingersoll, K. Sieh Front Row: P. Wyllie, E. Stolper, D. Harkrider, D. Muhleman, H. Taylor

1991 A&CIT Teaching Award Winner



John Preskill (Physics)

1991 A&CIT Teaching Award Winner

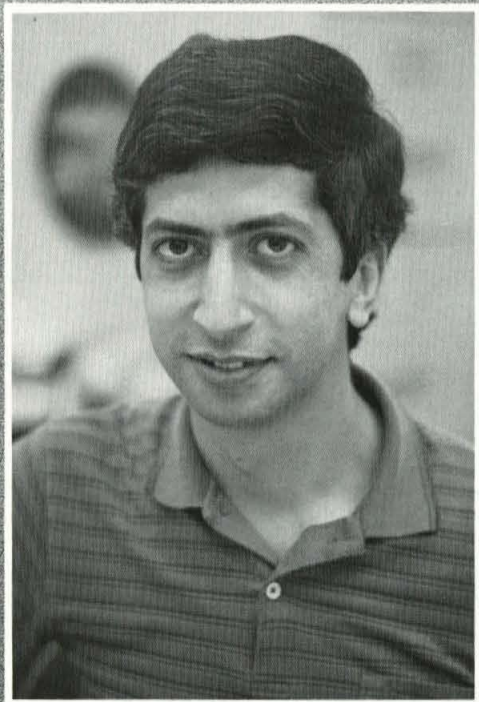


Bruce Murray (Planetary Science)



## Mathematics

1991 ASCIT Teaching  
Award Winner



Yaser Abu-Mostafa  
(Electrical Engineering/  
Computer Science)



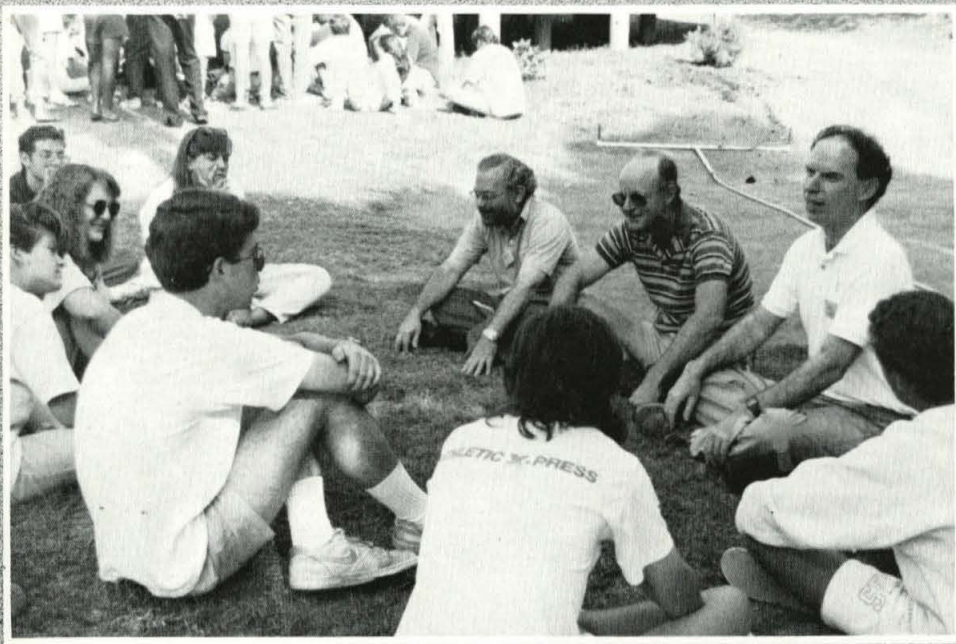
(left to right): D. Ulmer, D. Kamakrishnan, D. Wales, G. Lorden, W. Luxemburg, M. Aschbacher, B. Fuller, G. Anderson.

## Electrical Engineering



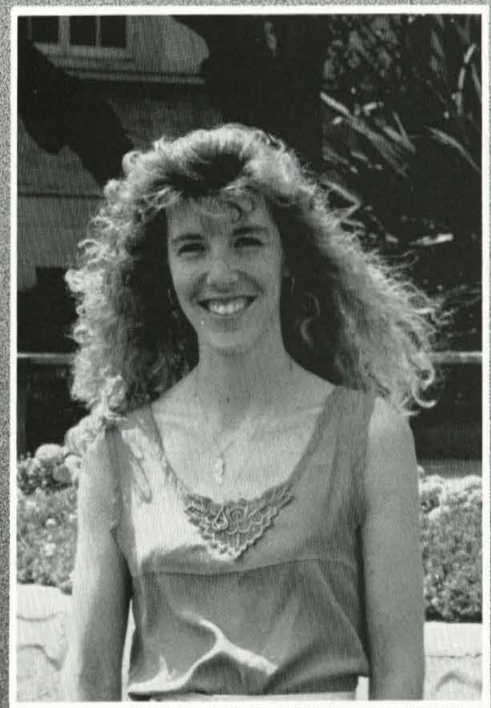
(left to right) S. Cuk, R. Middlebrook, P. Vaidyanathan, Y. Tai, M. Nicolet, R. Goodman, W. Bridges, Y. Abu-Mostafa, R. McEliece, E. Posner, J. Dovic, D. Ruffledge.





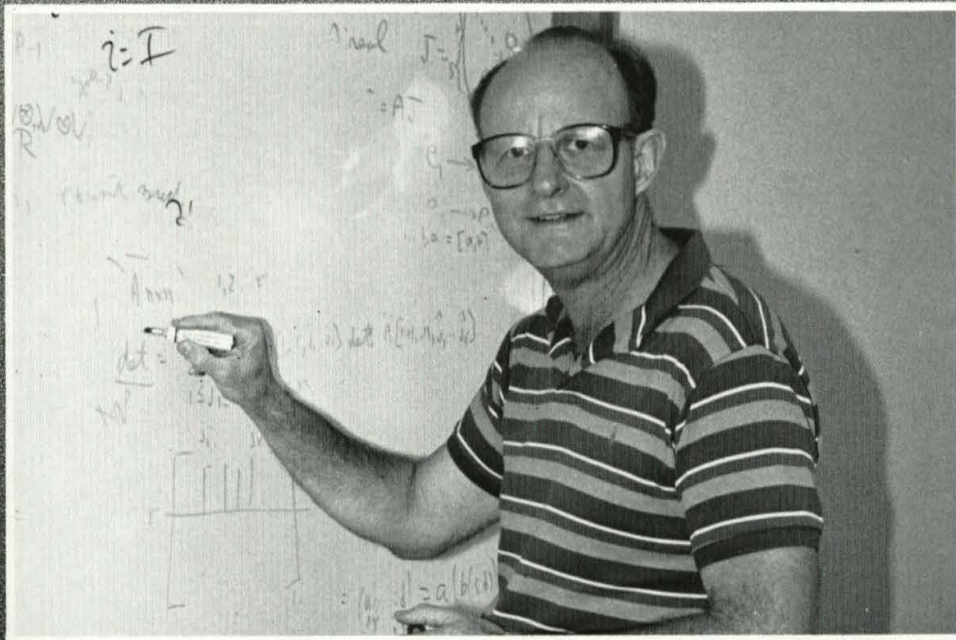
Some of the Math faculty describe their option to prospective students at frosh camp.

1991 ASCIT Teaching  
Award Winner



Moya Mazorow  
(TA: Mathematics)

1991 ASCIT Teaching Award Winner

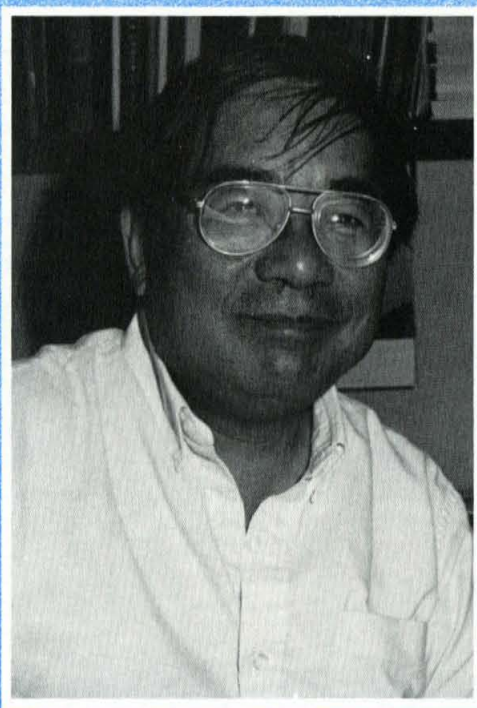


David Wales (Mathematics)



# Chemistry & Chemical Eng.

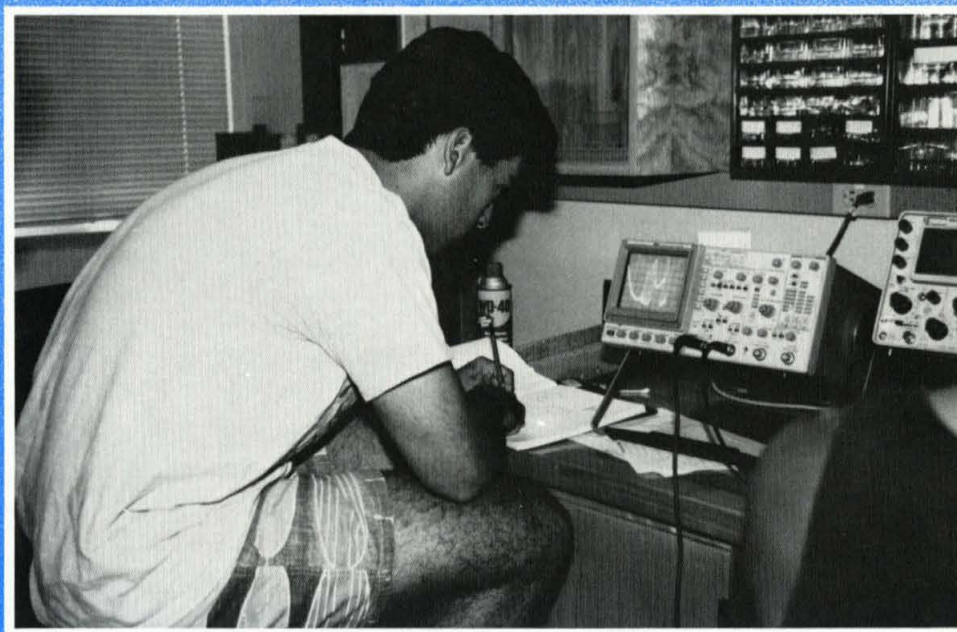
1991 A&CIT Teaching  
Award Winner



Sunney Chan  
(Chemistry)



**First Row:** (Left to Right) N. Davidson, A. Zewail, L. Pauling, R. Marsh  
**Second Row:** W. Goddard, J. Kornfield, J. Roberts, B. Imperiali, N. Lewis, J. Barton, M. Okumura  
**Third Row:** S. Chan, J. Brady, F. Arnold, J. Campbell, J. Baldeschwieler, W. Schroeder, P. Dervan, S. Samson  
**Fourth Row:** J. Seinfeld, M. Morari, N. Tschoegl, J. Richards, G. Gavalas, D. Rees, A. Kuppermann, J. Bercaw  
**Fifth Row:** D. Weitekamp, H. Gray, J. Bailey, F. Anson, R. Grubbs, J. Hopfield, W. Schaefer



A student is working in the ChE 10 lab.

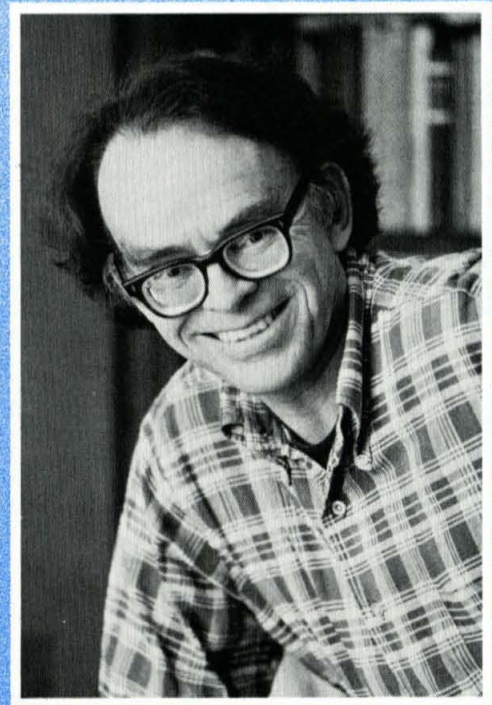


# Social Science



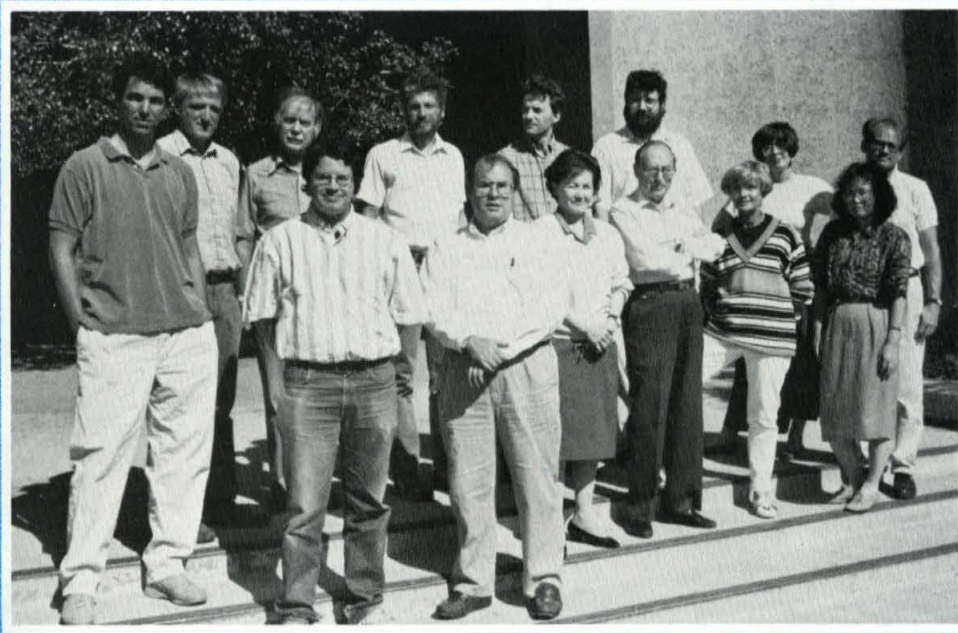
(Left to Right) M. Kousser, C. Plott, D. Grether, J. Ledyard, D. Kiewiet, P. Ondershook, T. Scudder, K. Border.

1991 A&CIT Teaching  
Award Winner



Thayer Scudder (An-  
thropology)

# Humanities



Back Row: (Left to Right) D. Flammig, J. Sutherland, P. Fay, J. Kousser, L. Boswell, E. Barkan, J. Marsh, J. Shepherd  
Front Row: J. Hershberg, M. Kishlansky, E. Howard, O. Mandel, S. Washburn, K. Hirata



# Environmental Engineering

1991 AS&CIT Teaching  
Award Winner



Melanie Hunt  
(Mechanical  
Engineering)



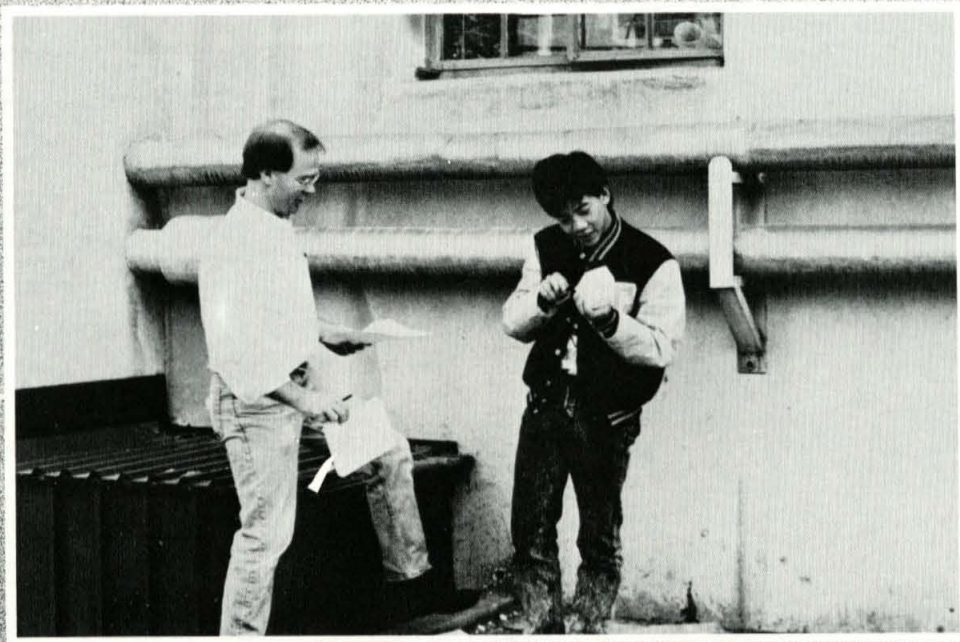
Front Row: (Left to Right) M. Hoffmann, M. Lidstrom, J. Morgan  
Back Row: N. Brooks, E. List

# Mechanical Engineering, C Mech



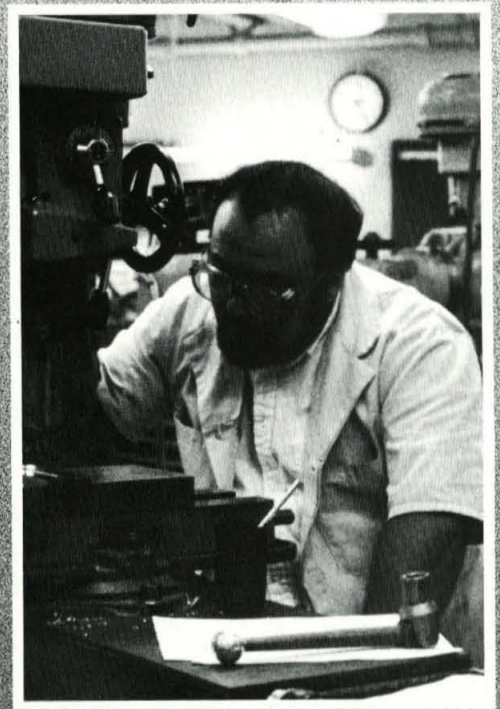
Front Row: (Left to Right) M. Hunt, B. Fultz, G. Ravielamran, J. Hall, J. Beck  
Back Row: W. Knusa, J. Lay, J. Burdick, C. Brennan, G. Antonsson, F. Culliac, B. Zukoski, A. A...





Prof. Burdick and Chris Ho judge the effectiveness of the various Egg Drop Mechanisms at the ME 71 contest.

1991 A&CIT Teaching  
Award Winner



Martin Gould

# Civil Engineering, Applied Mechanics



Prof. D. Goodwin, J. Knowles, T. Campbell



# The sixth annual ME 72 contest

By Scott Kister

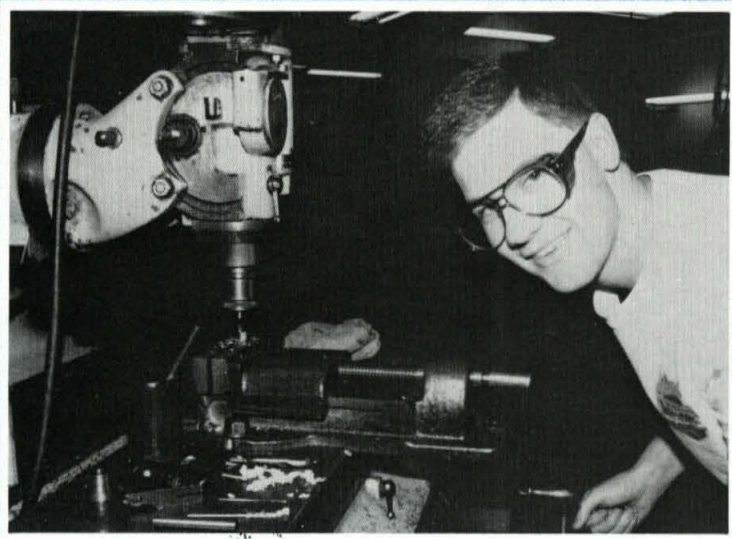
The object of this year's ME72 Engineering Design Contest was to build from a "bag of juck" a device to climb a twelve foot tall rope and get to the top. The first device to get there, or the highest device after 35 seconds is the winner.

This year, Mark Lyttle won the contest with a unique defensive device. In the final round, Mark defeated Chris Ho's device in the most thrilling match of the day.

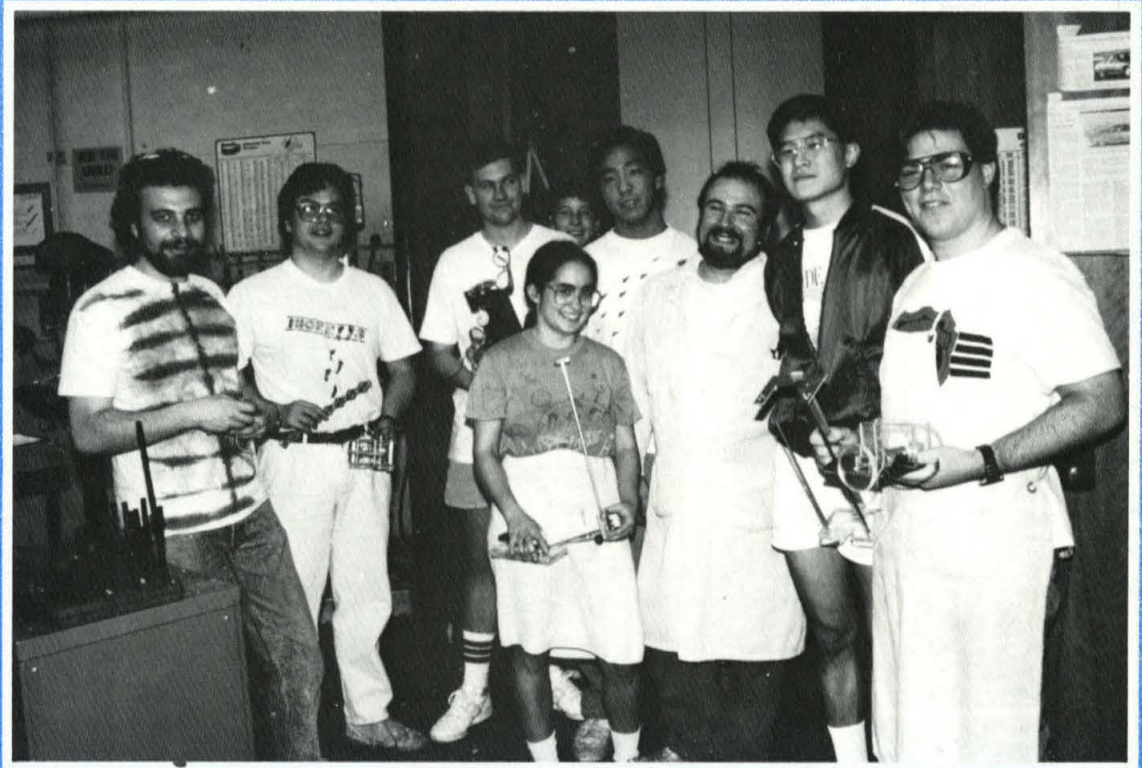
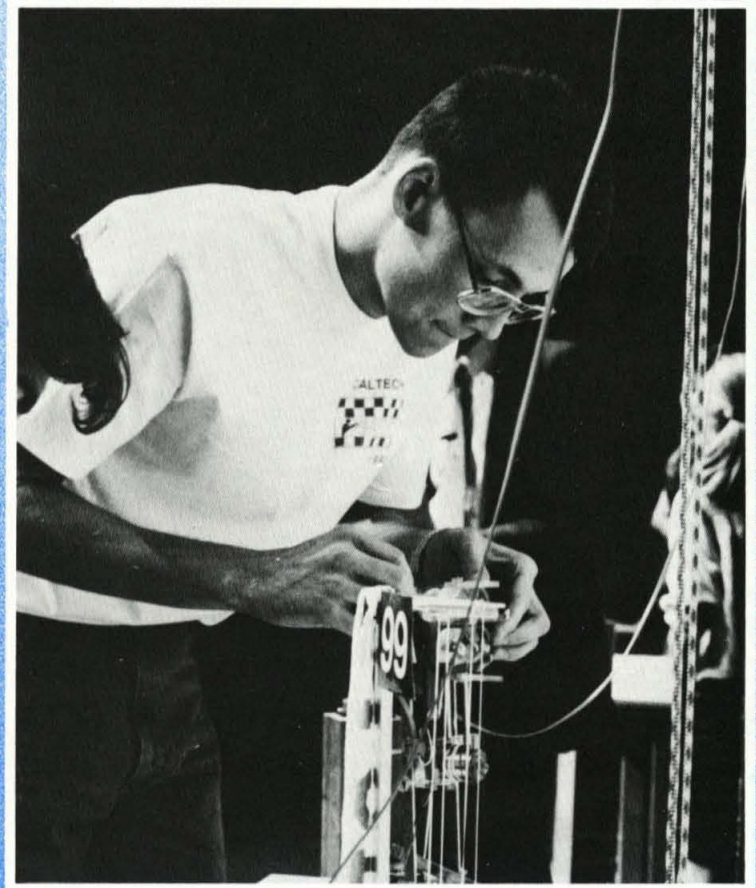
Other contestants used various strategies to climb the rope, including several basic climbers, a few catapults that attached to the rope and shot a piece up, a "walking climber" by Bill Swanson, and some extending lazy tongs by Annetta Papadopoulos.

There were 21 competitors in the double elimination contest. Each device had to start in a 20 by 40 centimeter rectangle. They were given power for 30 seconds. The first device to reach the top of the rope won.

Bill Swanson sets up his machine.

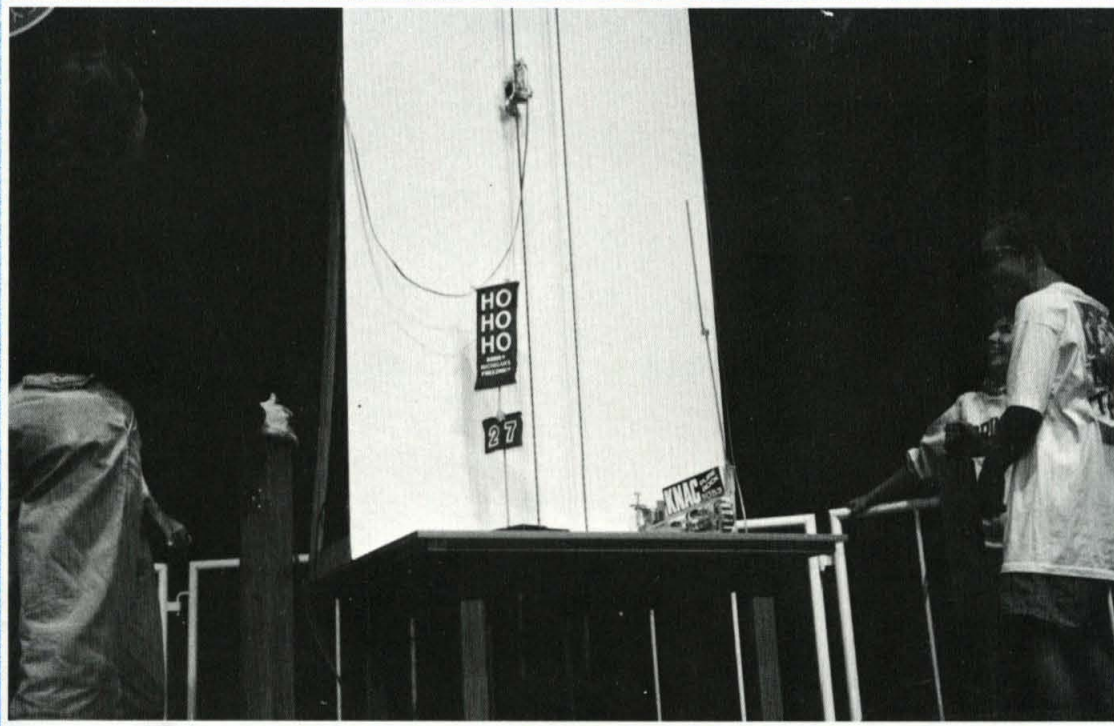


Scott Harris works in the machine shop.

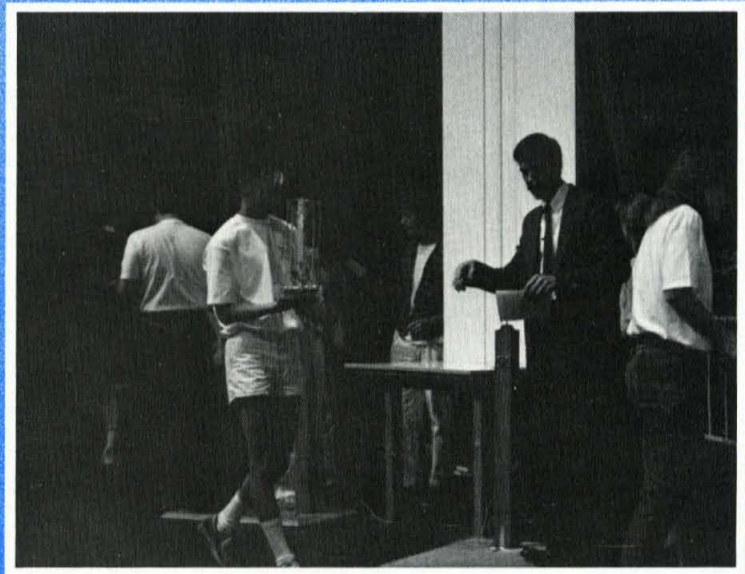


ME 72 students pose with Marty Gould and their projects in various stages of completion.

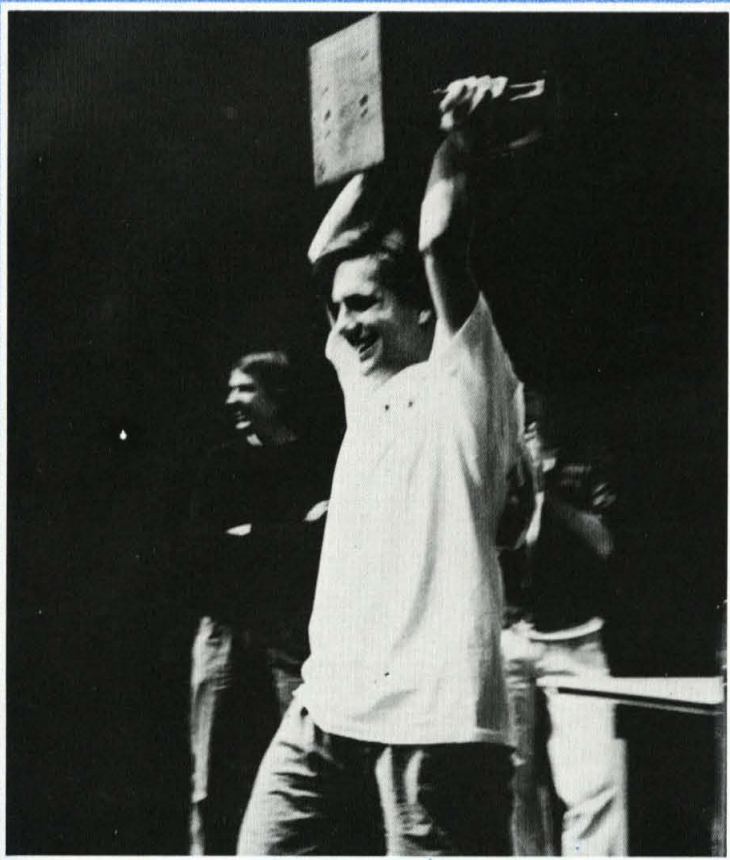




Mark Lyttle's and Chris Ho's machines compete in the final elimination.



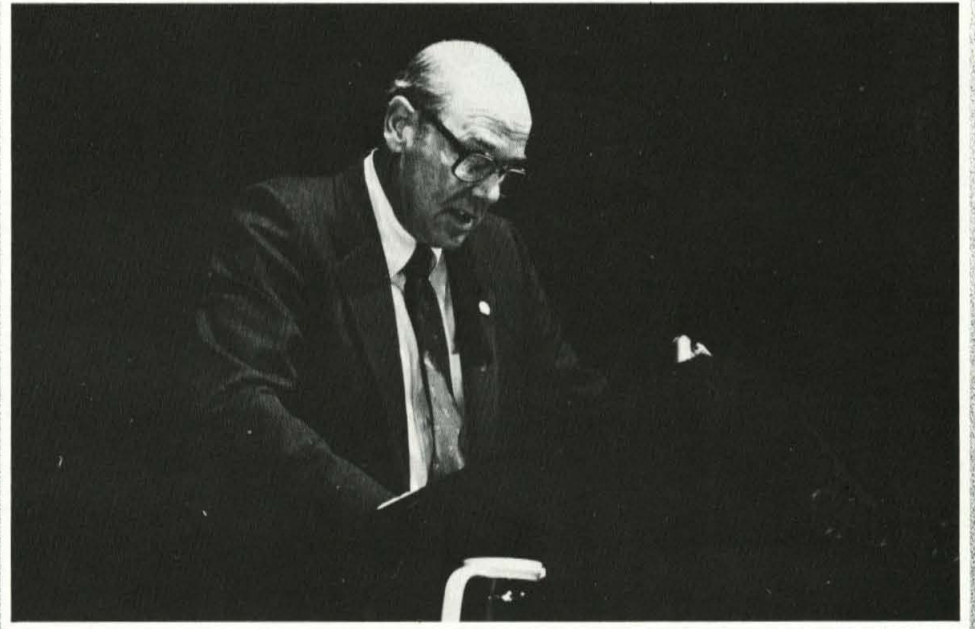
Dr. Antonsson MC's while the next competitors set up their machines.



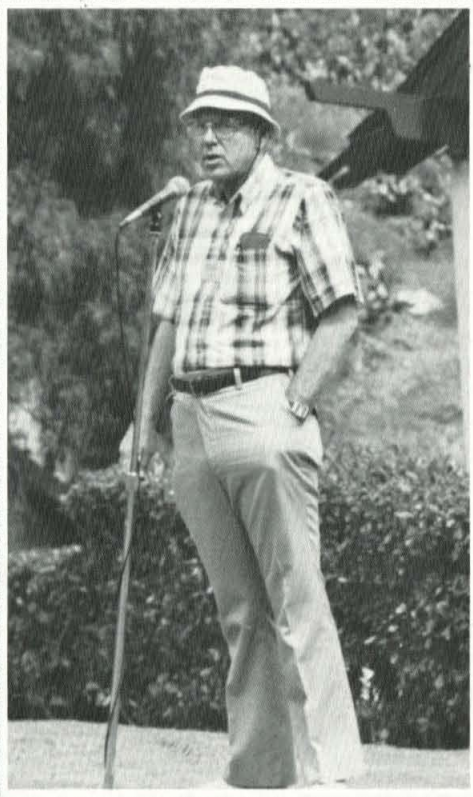
Mark Lyttle holds up his trophy.



# President of Caltech



Dr. Tom Everhart



Dr. Everhart speaks at Frosh Camp.

# Registrar's Office



(Left to Right) J. Cable, K. Finigan, L. King, J. Goodstein, J. Wartz

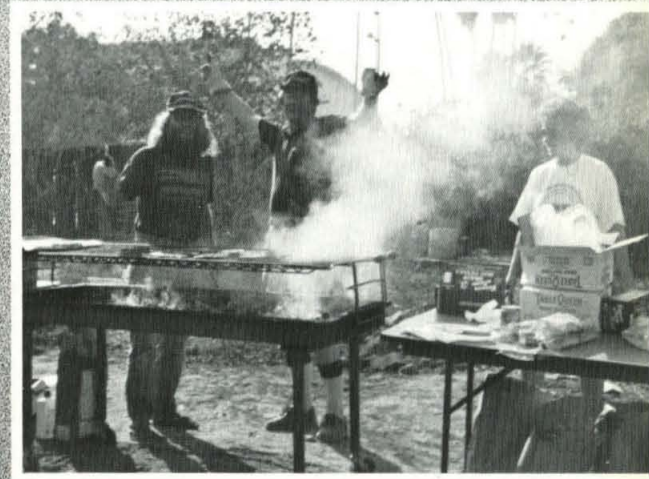


# Mosh's Office



(Left to Right) E. Sheiman, S. Berkley, K. West (DRL)

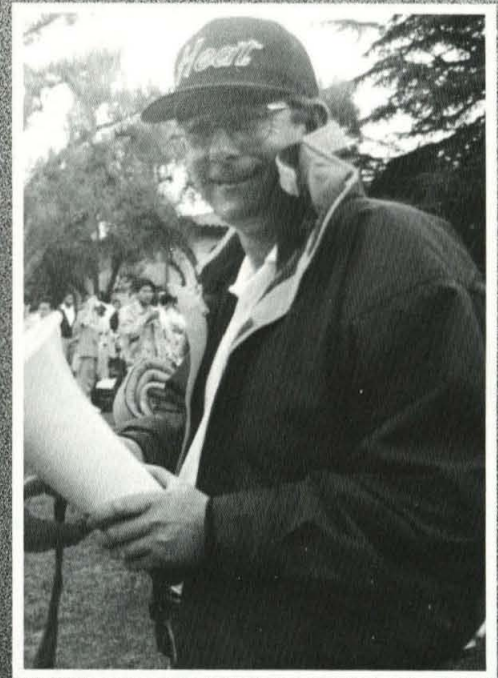
MOSH Louis Wilde, Dean Brennen, and Kim West run the barbecue at Mudeo.



# Deans' Office



(Left to Right) S. Estes, C. Brennen, B. Green, S. Cummings



Dean Brennen heads for Frosh Camp.



# Admissions Office



*(Left to Right)* C. Aller, D. Langdale, C. Rangel, K. Perry, G. Palmer



# Student Affairs



**Back Row:** *(Left to Right)* S. Borodinsky, J. Noda **Front Row:** J. Greene, S. Estes, G. Lorden



# Career Development Center



Back Row (Left to Right): R. Gatti, S. Mercer Front Row: S. J. Asmundson, C. Casey, D. McLaughlin

# Housing Office

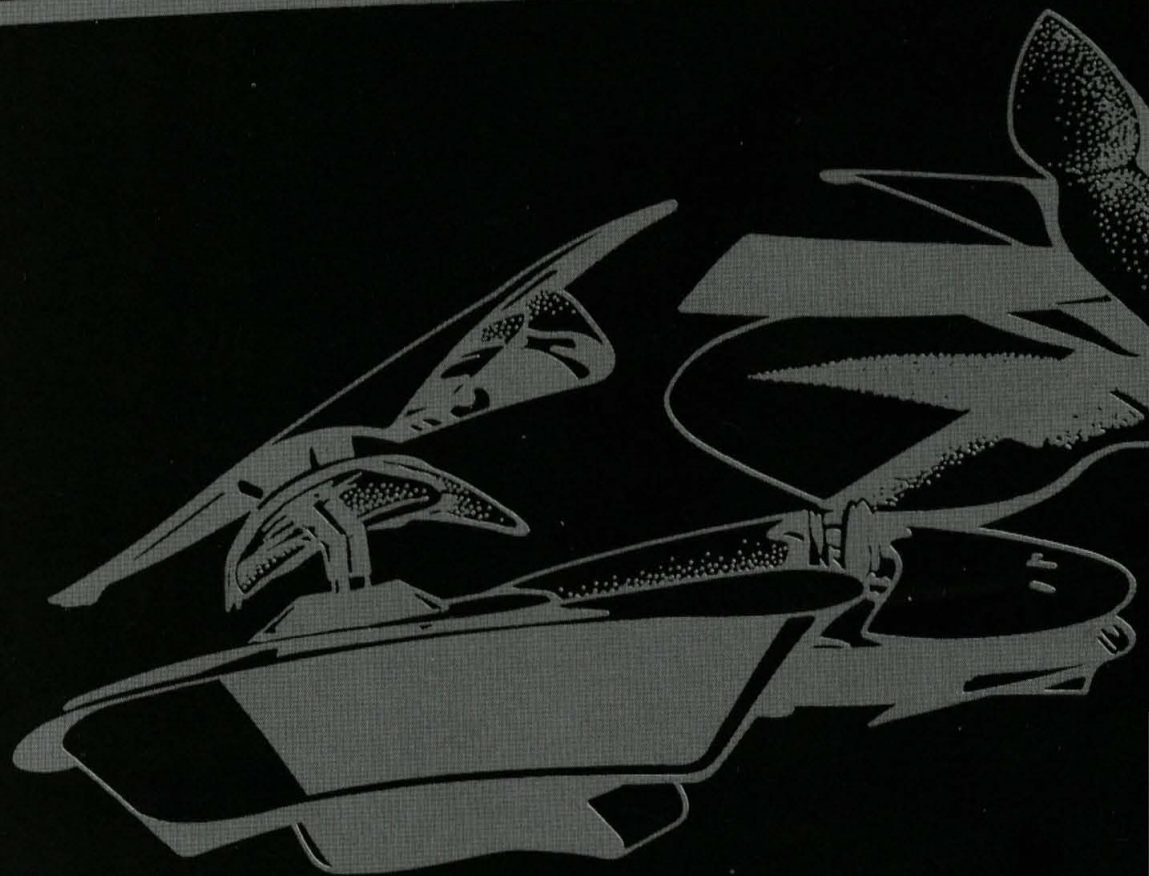


Back Row: (Left to Right) T. Helland, T. Anderson, T. Valdespino, M. Macall, P. Appel, J. Mora  
Front Row: L. Mack, C. McDonough, N. Carlton, M. Martinez, L. Chappell, M. de la Torre, R. Ang, J. Cardenas, C. de la Fuente



Carol enjoys Sports Day with her son.









The Caltech Glee Club in 1915. Notice that the men's uniforms haven't changed that much but the women's sure have. (Courtesy of Archives, California Institute of Technology.)

## *A New Century of Clubs*



# Caltech Y

The Caltech Y has had another full year of student activities and services and there is no sign that an end is in sight--thankfully. Seeking always to enhance the quality of student life at Caltech, the Y continued to sponsor and co-sponsor a wide variety of events ranging from debates on "Big Green" and "Drug Legalization" to a Vienna Waltz Dance Party and occasional noon concerts. Recreationally, the Y got off to a great start as some 40 frosh, new and returning students spent a week in the High Sierra on the annual Y Hike backpacking trip, complete with rain and snow! Further, the Boffo-Bonecruncher broomball tournament saw continued success and growth (number six was two teams bigger and one hour longer) and one wonders when it may go 24 hours straight!

Committed to leadership development the Y once again held the Leadership Institute for the various campus and house officers prior to the beginning of fall term. The Y ExComm afforded more opportunities to hone leadership skills as students designed and implemented various pro-

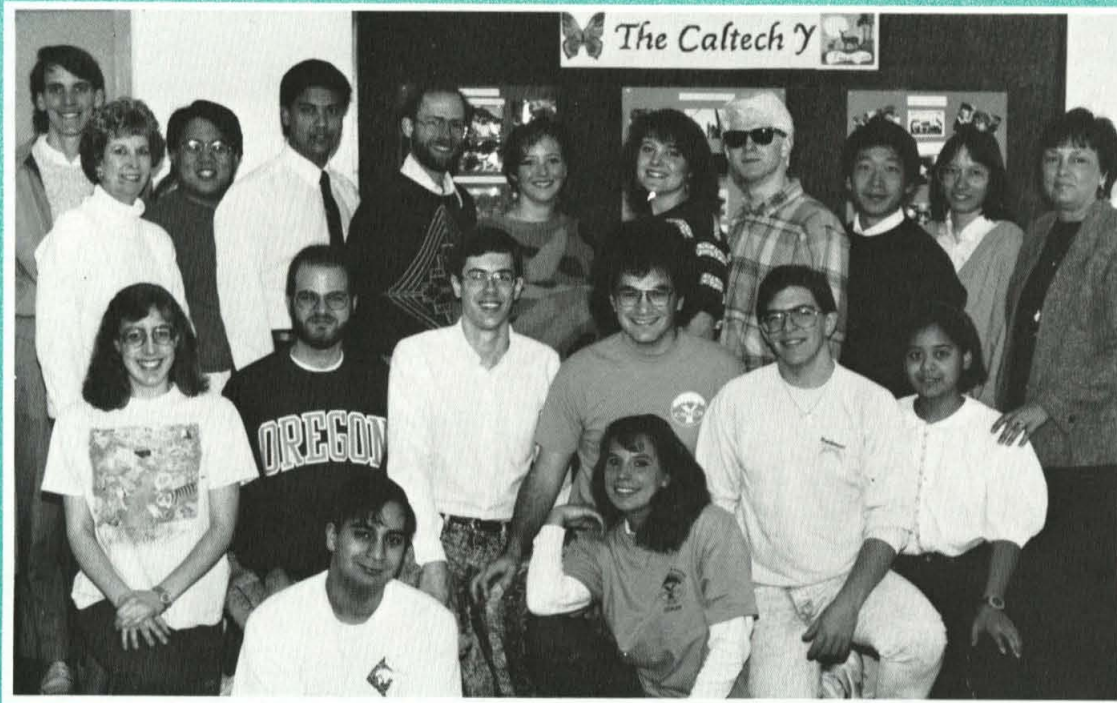
grams such as Entrepreneurial Dinners, Ballroom Dancing, a lecture on LA Gangs, and the Christmas Stranded Student Party to name a few. Community service is another area the Y remains committed to and this year involved many students in activities such as serving food to the homeless through Union Station's Thanksgiving day dinner, assisting in Caltech's Toy Bowl, providing tutors to local elementary schools, and sending a team down to Mexico to work at an orphanage.

The Distinguished speakers series saw a diversity of notables the Y was proud to bring to Caltech. Among the special guests included the Count Robert Begouen discussing ancient cave art in France, Ray Bradbury doing his thing, Drs. Anne Fausto-Sterling, Sandra Harding and Evelyn Fox Keller speaking on Women in Science issues, and topping the year off Dr. Vladimir Sakharov, the renowned ex-KGB spy addressing current events in the Middle East and Russia.

With America at war this year in the Middle East the Y responded



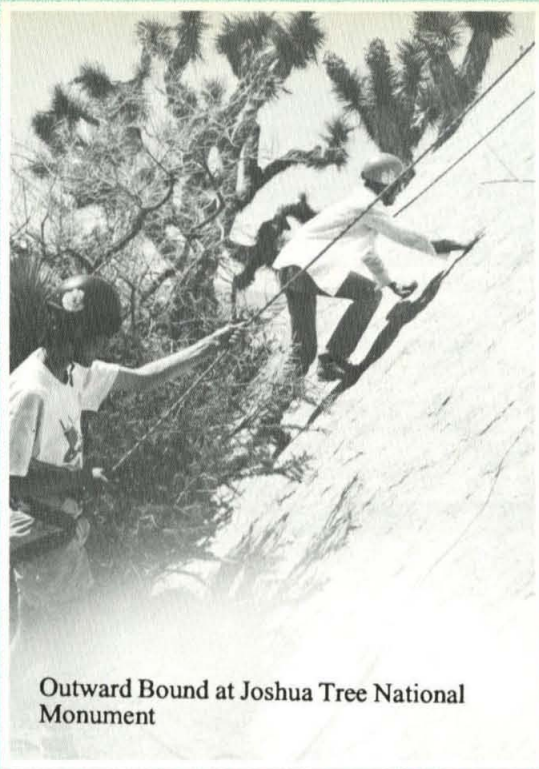
Hot Air Balloon Rides at Drug and Alcohol Awareness Week



**Back Row:** (Left to Right) Brian Redin, Y Student Events Coordinator, Bernice Reda, Y Administrative Assistant, Richard Song, ExComm, Secretary, Sonny Arcilla, Bob Nolty, Taletha Derrington, Jessica Barnett, Lan Smith, Vice President, Eugene Lit, Jerri Martin, Lucy Guernsey, Y Executive Director **Kneeling:** Cathy Hafer, Mark Fey, Eric Stout, ExComm President, Sam Dinkin, ExComm Treasurer, Dan Frumin, Sayuri Desai **Sitting:** Ali Mortazavi, Mary St. Martin, Y Receptionist/Secretary

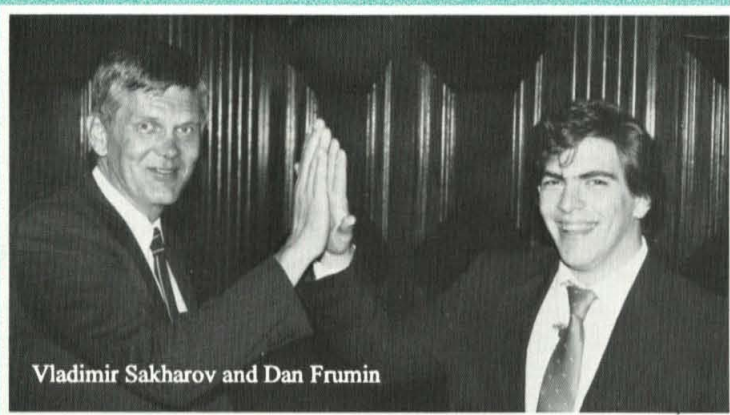
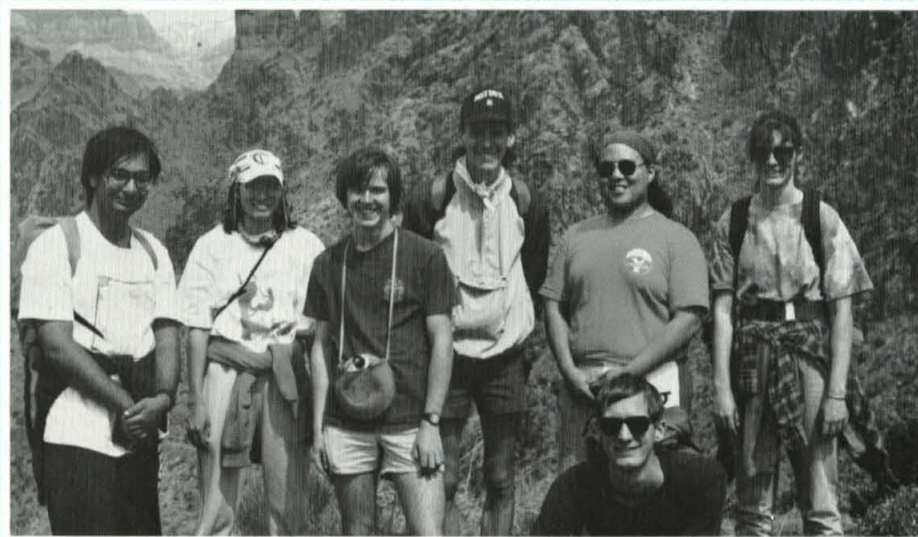




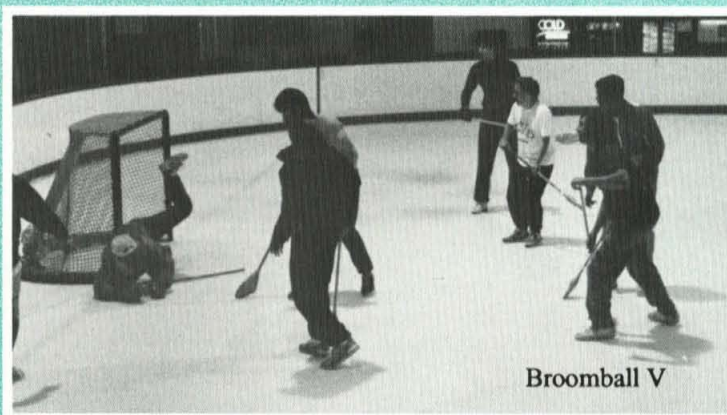


Outward Bound at Joshua Tree National Monument

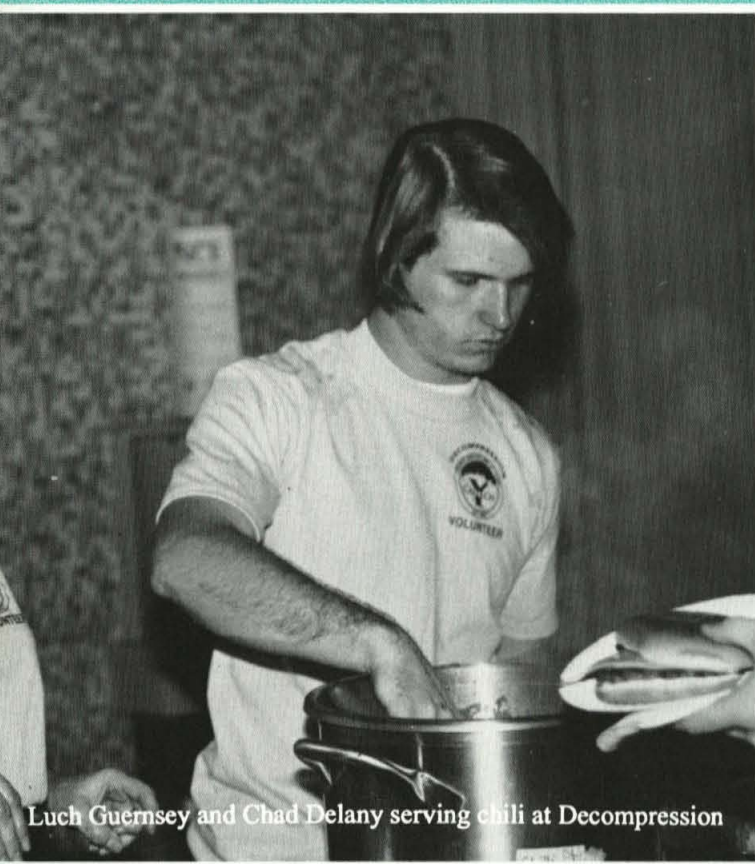
Group Shot Grand Canyon, March 21-26 1991 **Standing:** (Left to right) Ali Mortazavi, Jerri Martin, Philip Cofield, Brian Redin, Richard Song, Mary Rowe **Kneeling:** Ken Wiberg



Vladimir Sakharov and Dan Frumin



Broomball V



Luch Guernsey and Chad Delany serving chili at Decompression

by offering several seminars and forums to educate, inform, and allow students to voice their opinions and questions. Once again, the Y sought to meet a very real need facing the world in general and the Caltech community specifically. In addition, Drug and Alcohol Awareness Week provided another opportunity for the Y to address another war--the war on alcohol and drugs. This year's DAAW week featured events such as a humorous talk with David Leschke entitled "All I Really Needed To Know That They Never Taught Me In Kindergarten," Mocktail Samples (non-alcoholic party drinks), and Hot Air Balloon Rides--a natural high.

Innovation is one of the many middle names of The Caltech Y and this year saw the beginning of the Y's involvement with Outward Bound, an adventure/wilderness/experiential learning based program linking Caltech students up with inner city youth. The program ran a total of six days, covering three separate weekends, and

included activities like rock climbing and rapelling, team building games, hiking, jumping off a 30 foot telephone pole and much more. All the activities were designed to enhance self-esteem, develop group cohesiveness and build bridges between Caltech students and inner city youth.

Finally, what would a year at Caltech be like without DECOMPRESSION?!? Yes, the Y continued to bring you two great evenings each term of FREE food, movies, and live entertainment prior to finals. This year saw the return of "The Dating Game" (Bill Swanson scored!), ComedySportz, as popular as ever, and included new acts such as Gerry Hart, comedian/magician, "The Roommate Game", and comedian Ron Darian appearing in late spring. The Caltech Y is continually amazed at the amount of food eaten each Decompression and honestly, we are making more chili! Well, here's a snap shot of the year at the Y. Thanks for participating and supporting all the Y's efforts!!



# ASCIT BOD



Back Row: (Left to Right) Big D. Ross, J. MacLeod, A. Kaplan, E. Stout, J. Derrington, D. Tuttle-Front: W. Bang, R. Stevenson, C. Hafer

# Interhouse Council



On Couch: (Left to Right) A. Meja (Blackler), B. Smith (Secretary), R. Stevenson (President), N. Rockwell (Ricketts), E. Naranjo (Page), J. Maddux (Channing), J. Creath (Raddock), R. Hanna (Dabney), A. Smith (Lloyd)



# Board Of Control



Standing: C. Grosjean On Couch: (Left to Right) A. Lin, D. Gilmore, C. Hafer, K. Johnson, M. Sahani, M. Lazarro, P. Ishmael On Floor: F. Herrero, J. Miller, G. Olsen

# California Tech



## The Editors

Paul Socolow

Mark Lyttle

Scott Kister





# Caltech Chinese Students Association

Awesome parties, great food, beach trips, traveling to exotic places . . .





# Soccer Club

With the Southern California Collegiate Soccer Championship in their bag (see issue of the the California Tech, May 3), the Caltech Soccer Club had one more challenge to face: the San Gabriel Valley Championship game, which was played last Monday between two soccer teams, but a fierce battle between two old rivals, Caltech and their opponent, Aston Villa. In last year's championship game, Aston Villa beat Caltech by a score of 3-2 (on a penalty kick scored in overtime). As a result, the battling Beavers set foot into the stadium last Monday, not with serenity, but with an anxious desire of ending Aston Villa's reign over the mountains and hills of San Gabriel.

Monday night. The flood lights are shining. The stands are barely of size to hold the savage and screaming crowd. The radio commentators are... Well, OK, there was neither radio nor TV, but the excitement was as much present here in the city of Arcadia (California) as it were two thousand years ago in the region of Arcadia (Peloponnesos) during the Olympic games.

At seven o'clock, under the scrutinizing eye of the rising moon, a short individual with a funeral mood and sinister black garments released twenty-two beasts to run after a rolling black and white sphere.

It was with tension that the Beavers scrambled through the first minutes of the game. Aston Villa settled into Caltech's half, and showed a strong intention to cover the Beavers with ridicule. Almost halfway through the first half, Aston Villa controlled a loose ball in the Techer's box, and without difficulty were able to disturb the immobility of the Beaver net. Aston Villa led 1-0.

However, Aston Villa failed to recognize that Caltech was more than just a group of theorists spending a night in the open air under the faint light of a million galaxies. For the rest of the game, Caltech was going to reveal to the opponent the tools that make them a hard-to-defeat team: hard work and passion.

As the waves of enemies constantly poured onto the Caltech shore, left full back Scott Josephson would ride them "with style", and turn them into breakers.

It was the same Scott Josephson

who on a free kick, awarded to Caltech for rough play, assisted the goal that tied the game. Scott crossed the ball from the left wing into the opponent's box. There, Said Boumsellek, as swift as an electron ploughing through the defensive nucleus of Aston Villa, deflected the trajectory of the ball into the opponents' net. "Cool, dude! Holy Moly! Bien Joue! Addaboy!" were few of the players exclamations in response to Said's most pleasing scattering event of



the year (sic).

The score remained unaltered (1-1) till the end of the first half thanks to the rock-solid defensive plays of sweeper Philippe Geubelle, patrolling the interface between his defense and his goalie, checking for any cracks to patch, and subjecting the enemy lines to some catastrophic instabilities.

Also, the blazing enemy offense was easily extinguished by stopper Michael Keating who, as hot as a raging flame, was able to neutralize the opponent's firing line.

To put a final blow to Aston Villa's attacks was Todd Small who would collect every ball in its event horizon, and send them back a few parsecs away. He would overrun every attacking player as if driven by a need to run to the border for a couple of tacos.

At halftime, coach Bill Girdner, who had been judging the game performance from the sideline, provided comfort to his sheep. His surrealistically optimistic words would have appeased even a murderer in a court of law. For no

fees, he provided some useful pieces of advice, and encouraged the need for an air of dominance.

After the Caltech herd returned to the field, it immediately complied with the wisdom of its coach.

John Josephson, the team's CPU (Complaining Power Unit), started hanging in the air like a floating number, charging like a RAM and getting a BYTE out of each play. He applied his physique against every opponent, and

showed the crowd he had talent to sell.

Also fighting for air control was Mark Drinkwater who would consistently leave his opponent frozen on the ground. From the heights where he spent most of the game, he would examine the depth of Aston Villa's melting midfield, and would from time to time engage in breaking the ice solid barrier erected by the enemy defense.

After twenty minutes of play, Caltech's striker Art Del Castillo, who had been polishing and finishing every play in the past games, took the responsibility of taking a free kick from the left wing, just outside Aston Villa's box. With a telescopic eye, he detected an opening through the clouds of the defense, and fired. The ball whizzed past the goalie, and it would probably have reached a geosynchronous orbit if it had not been stopped by the goal net.

The crowd exploded. The referee ratified the goal with a ceremonial gesture, to which

prosecutor Bil Girdner responded with a trial-winning attitude by jumping up and down.

Caltech was ahead 2-1.

The Aston Villa players tried to regain their momentum, but their efforts were no match for the religious, war-like style of their Pahlraic Smyth who would regularly confront the enemy with all four of his limbs. Pahlraic Smyth almost asserted the Beaver's position with a scoring opportunity towards the end of the game. On a cross from the right wing, he managed to control the ball, and without a decision tree design, he fired. The Aston Villa goalie blocked the shot.

At the opposite end of the field, Caltech's goalie Petros Koumoutsakos was making use of his orthodox (sic) methods to repel enemy strikes. With his cyclonic moves, he was able in several occasions to control the unsteady motion of the balls flying towards him. In brief, the Aston Villa strikers learned very quickly not to approach the vortical atmosphere surrounding the Beaver goalie.

At the closing minutes of the game, captain Flavio Noca flew down the wing to cross the ball towards the middle where again the Beavers failed to bury the opponent once and for all. Instead, a few seconds later, Noca was elbowed in the face during a turbulent play. His laminar profile thus affected, he crashed to the ground, and had to be taken off the field, with his mustache impregnated with a viscous, incompressible, red liquid.

Christian Noiroux replaced him, and despite his injured ankle, took the opportunity to display a few tricks and sell them to an admiring crowd. He spent the rest of the game riding on a carpet through the enemy lines, but at the end of the game he was disappointed for not being able to exchange some words and cards with the referee.

Finally, Tweet, Tweet, Tweeeet!

Caltech is the new Champion! The fans get wild, Coach Bill Girner loses his pants, trophies are distributed, pictures are taken, Petros and Mark take a celebration lap.

Thank you fans, thank you Bill, thank you Tech, and thank you all players for being part of the Caltech Soccer Club.



# Caltech "Monday" Jazz Band



Saxophones: R. Munoz, J. Ranka, M. Heitzman, L. Tamppari, D. Sandoval Trumpets: B. Kjerulf, A. Kulawik, A. Rempel, G. Sitton, K. Schneider Trombones: T. Wallholz, Brett Warneke Piano: Ann Harch Bass: S. Carson Guitar: R. Todd, M. Hillmyer Drums: A. Kaplan Director: W. Bing Guest Soloist: A. Whitney

# Caltech "Thursday" Jazz Band



Saxophones: T. Gustafson, S. Lin, T. Fleming, M. Lakata, B. Bolender Trumpets: J. Baughman, R. Manning, C. Schulthess, R. Stevenson Trombones: P. Marc, M. Mossey, M. Carlson, M. Long Piano: L. Deutch Bass: T. Glyville Drums: K. Condroski Guitar: B. Eklund Director: W. Bing Guest Soloists: C. Josias (Clarinet), A. Whitney (Soloist)



# Caltech Occidental Wind Ensemble



Flutes: A. Engleberg, Z. Harris, B. Irikura, S. Kim, J. Morissette, C. Reeck, M. Rowe Piccolo: P. Hofstee Oboe: R. Tang, B. Pun Clarinets: J. Baker, E. Binn, P. Brugman, C. Josias, T. Gustavson, R. Harley, J. Hammer, S. Manatt, G. Mines, D. Kim, L. Tampani E Flat Clarinet: C. Josias, R. Harley Alto Clarinet: T. Wreede Bass Clarinet: D. Gross Bassoon: J. Wisniewski, M. Richmond Alto Saxophone: R. Robinson, S. Lin Tenor Saxophone: R. Richards Baritone Saxophone: B. Bolender Cornets: D. Berners, J. Brugman, B. Kjerulf, A. Kulawik, D. Marsteller, B. Skrainka, M. Youngquist Trumpets: L. Deutsch, R. Balterzen Horn: M. Bennett, M. Ehlers, H. Thio, A. Khalak Trombones: J. Blinn, A. Campbell Bass Trombones: M. Mossey Baritones: J. Gass, D. Rowland Tuba: B. Rickman, P. Wycoff Percussion: S. Babcock, J. Grade, M. Brundage, E. Rhodes Band Manager, Librarian: R. Baltzersen Director: W. Bing

# Chamber Music



Violin I: A. He, A. Mody, D. Robinson, C. Rosin, v. Hajdu, D. McMahon, M. Hartmann, A. Grot, B. Arendt, A. Lee, E. Shao, I. Hernandez, E. Wan, B. Walker, W. Ding, D. Ding  
Violin II: K. Callaghan, B. Pan, G. Lee, K. Irikura, J. Mori, D. Ko, L. Tubb, R. Bala  
Viola: R. Schwartz, J. Sosa, R. Lee, R. Lobo, D. Mackay, D. Koerner, J. Blank, P. Bartholomew, P. Chen



# Caltech Chamber Music

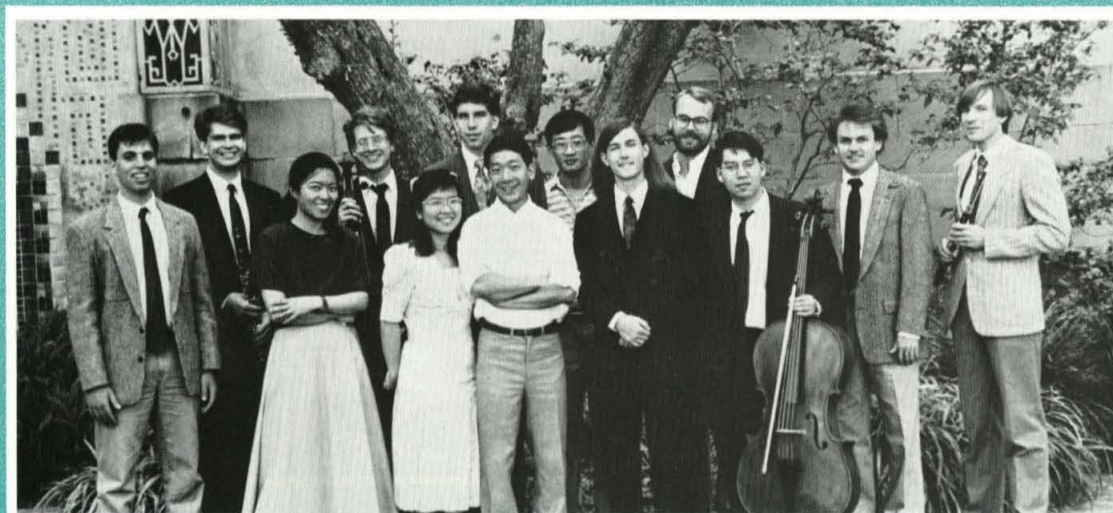
*(Left to Right):* Bill Bing, Randy Stevenson, David Berners, Pete Wyckoff, Mike Ehlers, Mike Mossey



*(Left to Right):* Jamie Schlessman, Erica Alliston, Missy Richamond, Mike Ehlers, Gary Mines, Toshi Takeuchi



**Back Row:** *(Left to Right)* Rob Harley, Barbara Wyslouzil, Roger Tang, Marcia France. **Front Row:** Dave Rhoadarmer, Charlotte Manly, Barbara Arendt, Raffi Aroian, Deepto Chakrabarty



**Back Row:** *(Left to Right)* Robin Luckey, Fred Upton, John Krowas, Shiu-Hong Lui, Drew Bailey, Bruno Olshausen, Peter Hofstee. **Front Row:** Aaron Lipman, Grace Tsang, Jennifer Wei, Eugene Lit, Erich Schneider, Alex Sugiyama



# Men's and Women's Glee Clubs



**First Row:** (Left to Right) Michael Ricci, Alex Zeyliger, Betty Pun, Sarah Yoder, Seong-Min Kim, Lisa Wald, Barbara Chang, Jung-ah Kim, Yonchee Jenkins, Sylvania Pereira, Paul Mineiro, C. R. Neu **Second Row:** Matt Derer, Lei Chen, Debi Tuttle, Betsy Marvit, Linda Springer, Te-Yi Kung, Mitra Hartmnn, Wendy Belluomini, Joanmarie Gimbel, Monica Silva, John Kitching, Dimitrios Antsos **Third Row:** David Brandt, Rob Johnson, Kyuson Yun, Kaoru Kato, Sharon Laubach, Barbara Wyslouzil, Lindee Goh, Anna Ceresole, Martha Shaw, Gary Olsen, Michael Garyantes **Fourth Row:** Tom Cooley, Anna George, Susan Haney, Jean Andino, Lada Pepovic, Carol Hunt, Anna Jaeckel, Dagmar Niebur, Diane Dysland, Moeen Abedin **Fifth Row:** Lior Pachter, Oscar Duran, James Stoker, Robert Munoz, Tim Gerk, Alez Ip, Craig Smith, Dennis Moore, Chad Delaney, Paul Bartholemew, Stephen Ferris



## Officers

### Womens' Glee Club

**Director:** Monica Hubbard

**President:** Anna Jaeckel

**Vice President:** Barbara Chang

**Secretary:** Debi Tuttle

**Treasurer:** Anna George

**Librarian:** Betty Pun

**Graduate Liason:** Sylvania Pereira

**Dress Managers:** Joanmarie Gimbel, Sandee Perez

### Mens' Glee Club

**Director:** Don Caldwell

**President:** Tim Gerk

**Vice President:** Chris Tinney

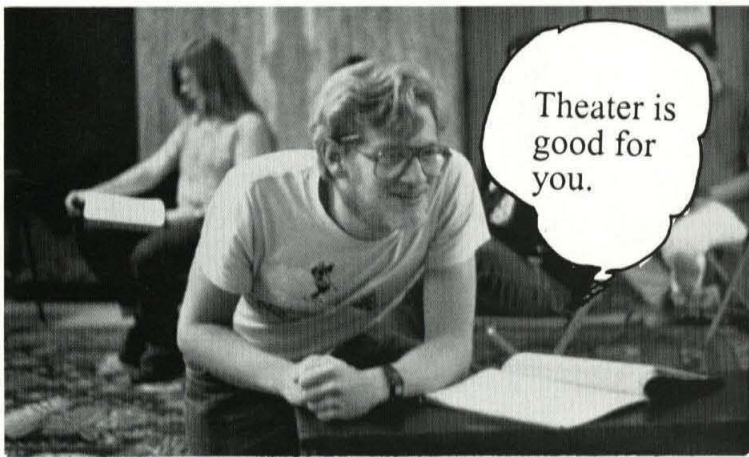
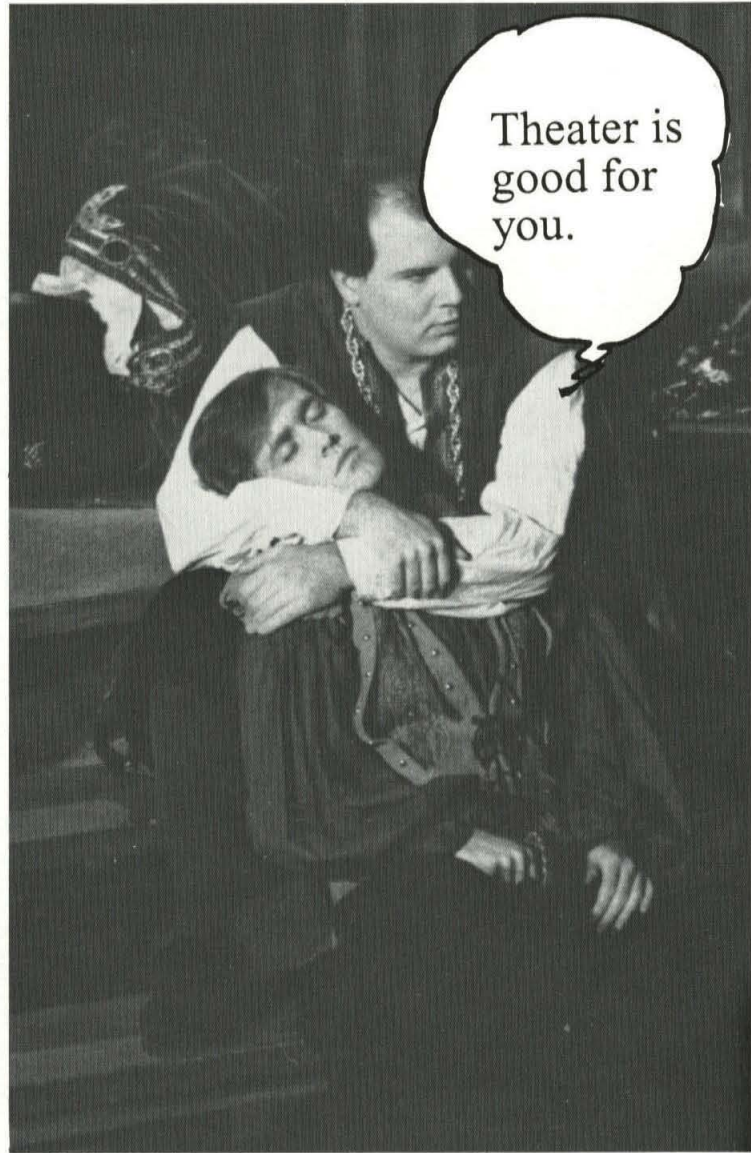
**Treasurer:** Lei Chen

**Secretary:** Rob Johnson



# WORK-ING

Allen and Mike



Dan Dilling

# JOHN BROWN'S BODY



Ratri



"John Brown's Body" cast.



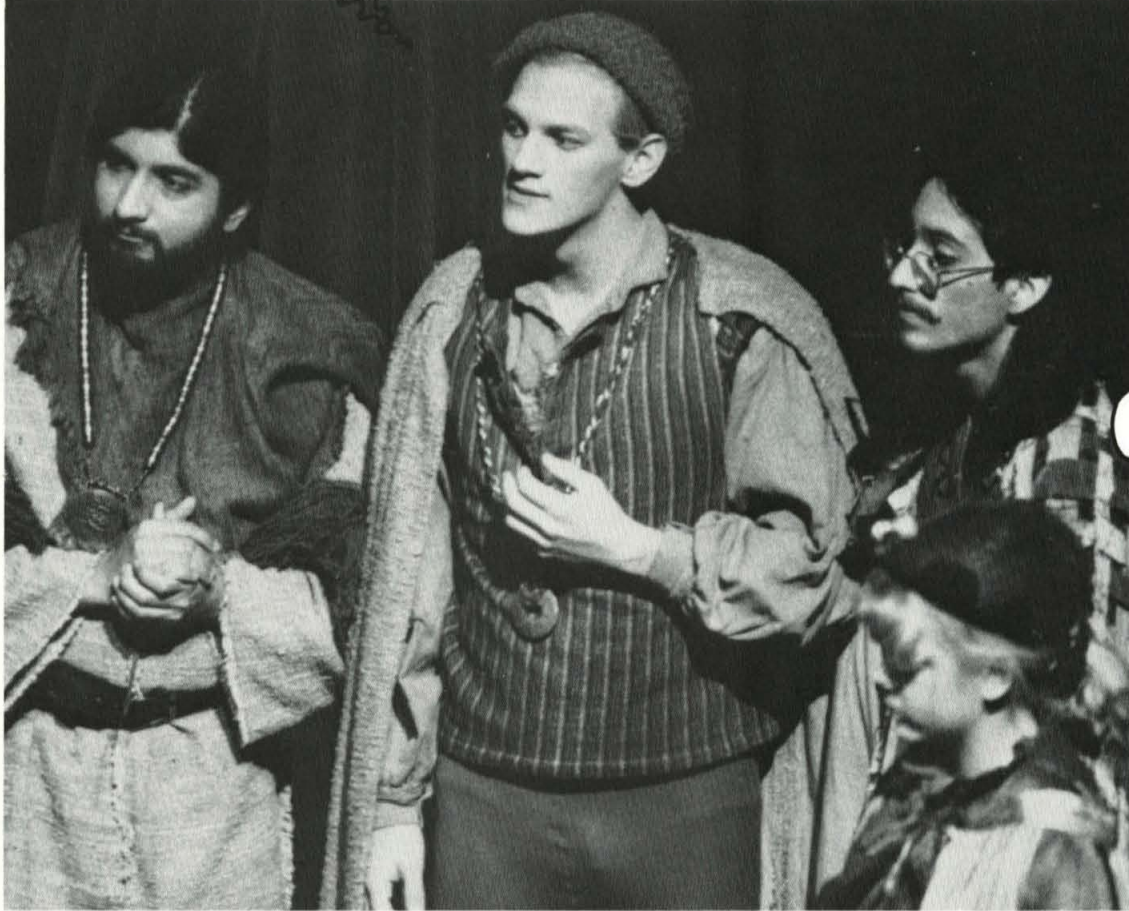
Theater is good for you.

# ROSENCRANTZ & GUILDENSTERN ARE DEAD

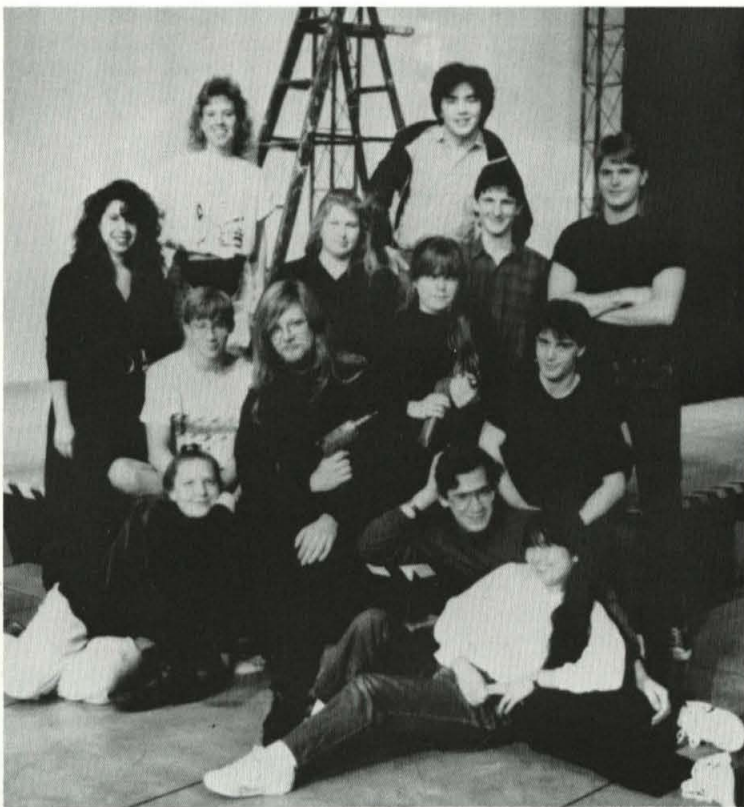


Maneesh, Steve, and Dan

Theater is good for you.



Sopia



"Working" cast.

"Working" crew.



# Tau Beta Pi

## The National Engineering Honor Society

Members are chosen from the top fifth of the senior class and the top eighth of the junior class.

**Back Row:** (Left to Right) John Gass, Robert Lee, Jim Werner, Sabeer Bhatia, Tracy Fu, Dave Geraghty **Front Row:** Alf Morales, Dan Ko, Gladys Chow, Betty Pun



SEDS on a tour of the Rockwell-Palmdale Endeavour construction site.



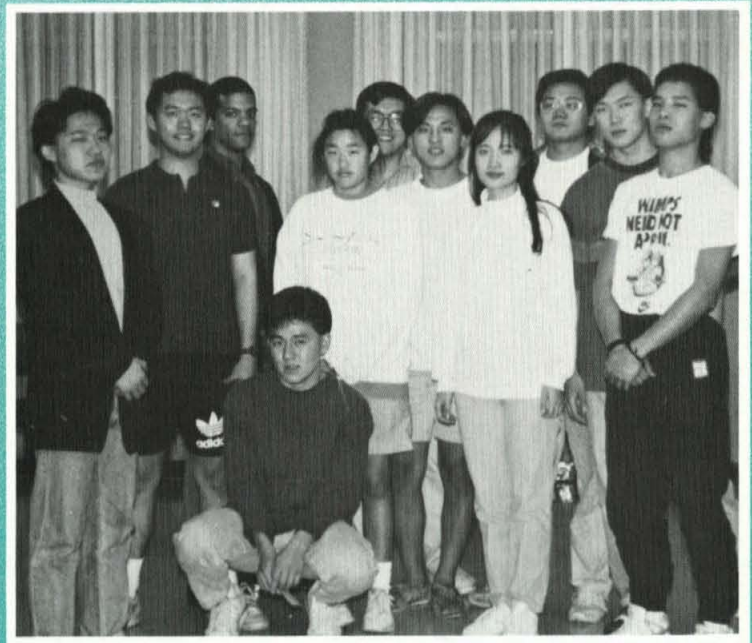
# Korean Student Association

The Korean Student Association (KSA) boasted 25 members this year with the main goal of enhancing the social life here at Caltech.

We sponsored many activities this year. There were picnics with Korean graduate students, parties and sports tournaments with KSA's from other colleges, trips to various amusement parks,

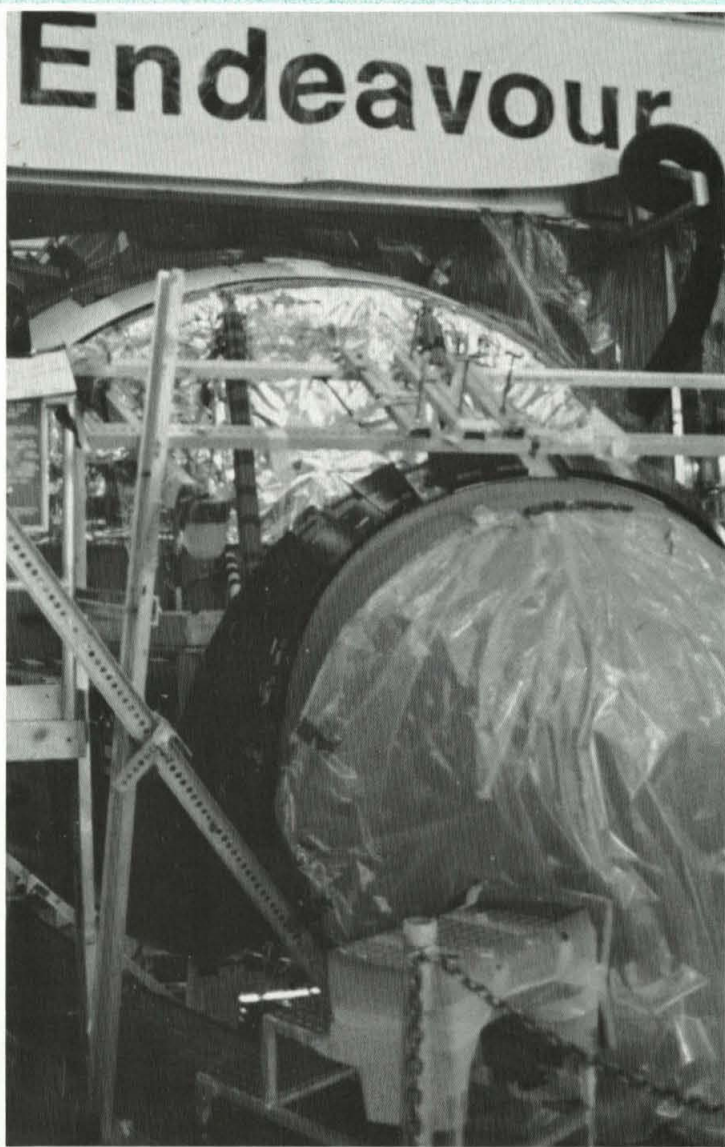
participation in the Classical Music Night at USC as well as the annual National Korean Leadership Conference.

Next year, we plan to have just as much fun, with the added focus on community activities, such as representing Caltech in college fairs, writing articles about Caltech in Korean newspapers, and a tutoring service.



**Standing:** (Left to Right) Dan Ko, Jun-Young Jeon, Sanza Kazadi, Vania Lee, Duke Whang, Henry Choi, Grace Kim, Hsiaote Su, Stephen Rhee, Mark Cheng **Kneeling:** Won Bang Lee

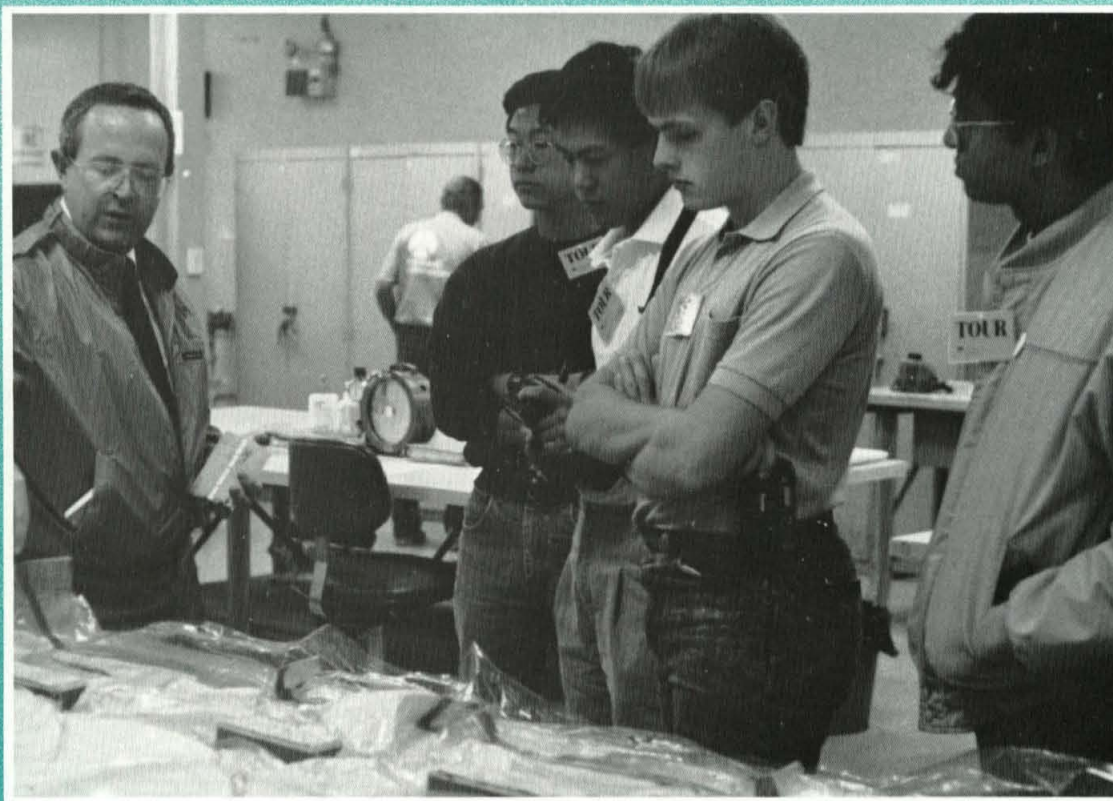
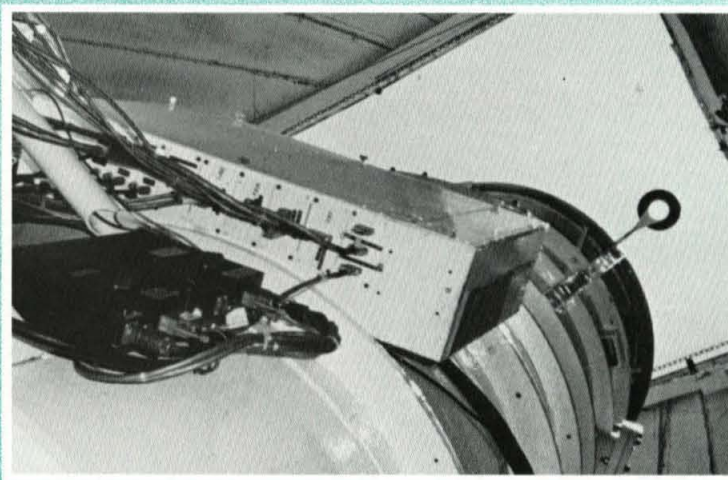




# SEDS

The Students for the Exploration and Development of Space (SEDS) had over 180 members participating in numerous activities in aerospace, space science, astronomy and public policy. Highlights included tours of the Rockwell-Palmdale construction site for the Space Shuttle Endeavour (pictured below to the left), Rocketdyne, Rockwell Downey, and McDonnell Douglas facilities, as well as the Palomar and Big Bear Observatories. We also began work on two

experiments that will fly on the space shuttle in early 1992. One will search for samnar-ray bursts and try to determine if they are accompanied by an optical flash, while the other will grow many protein crystals and test a simplified method of crystal growth. Our chapter hosted the inaugural CALSEDS regional conference, which featured many prominent speakers, like Mark Albrecht, Executive Secretary of the National Space council, and astronaut DeKe Slayton. In

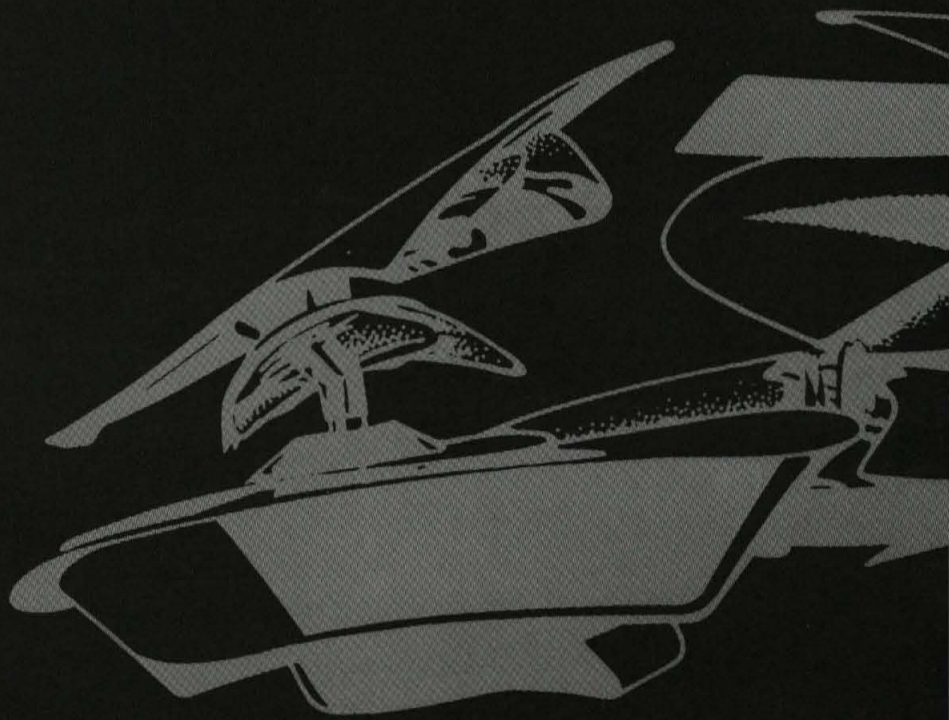


addition, we had many other fine speakers throughout the year. As always, we attended all open space shuttle landings at Edwards AFB and went on monthly star parties. We purchased a fine telescope, to ensure that the observing will continue for years to come. Finally, we began to develop educational programs, designed to spark interest in space among students at other high schools and colleges.

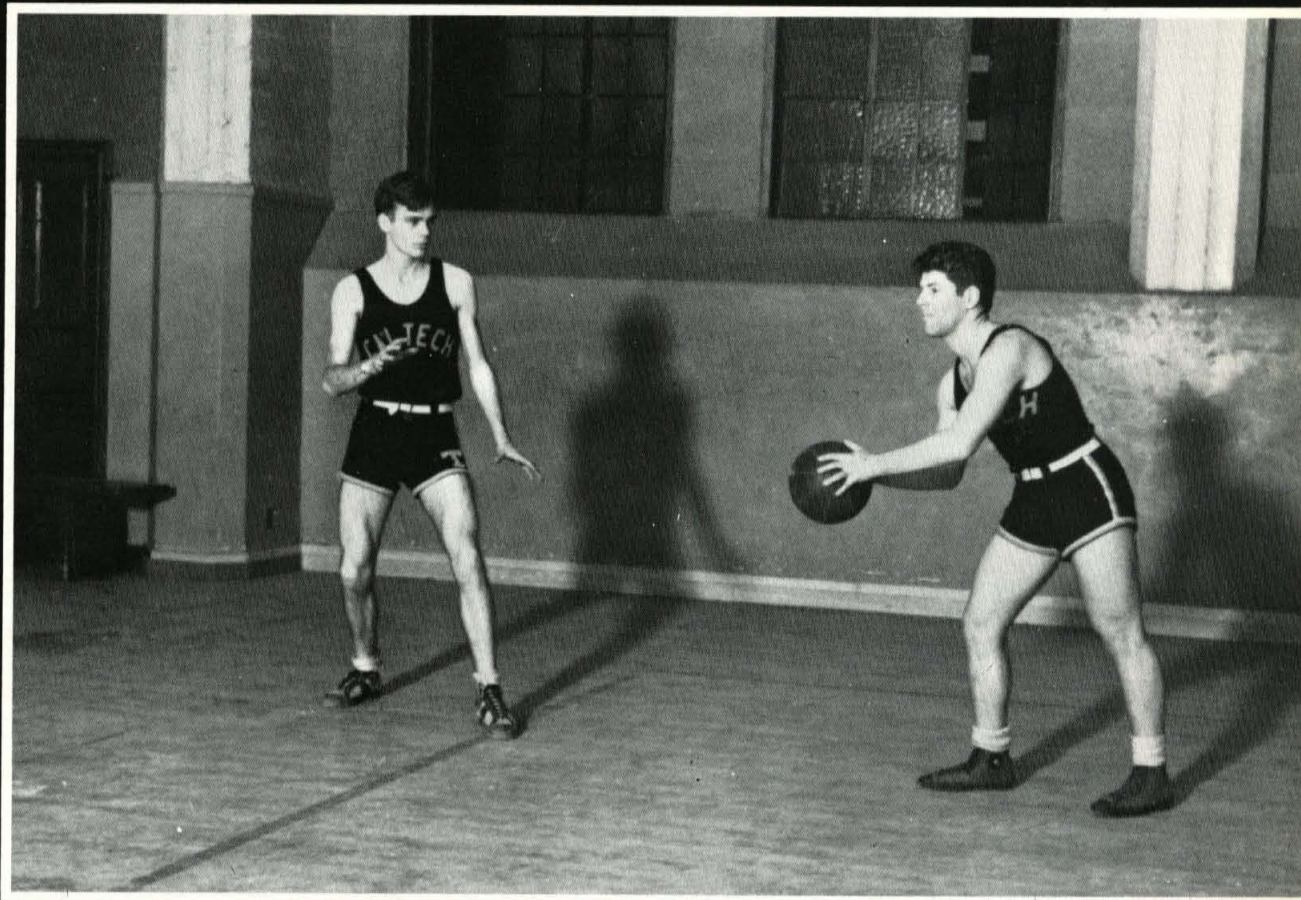
## SEDS Officers

**President:** Phil Rosenthal  
**Vice President:** Jeff Foust  
**Treasurer:** Sonny Arcilla  
**Secretary:** Rich Zitolla  
**Chapter Rep:** Irwin Horowitz









Caltech basketball in the days before Reebok pumps and before our current gymnasium. (Courtesy of Archives, California Institute of Technology.)

*A New Century of  
Sports*



# Football Finishes Another Winning Season

The Beavers posted a 6-2 record this season, and Coach Wendell Jack realized one of his goals for the program when he was able to field separate offensive and defensive units.

With their new-found capability, Caltech played a stronger schedule this year which included two college squads. The beavers weathered a frustrating loss to arch-rival Cal Poly Pomona, but rallied to beat the University of San Diego junior varsity in the season's most dramatic game—a cliffhanger in which the Beavers came from behind to win with less than two minutes to go. It was a

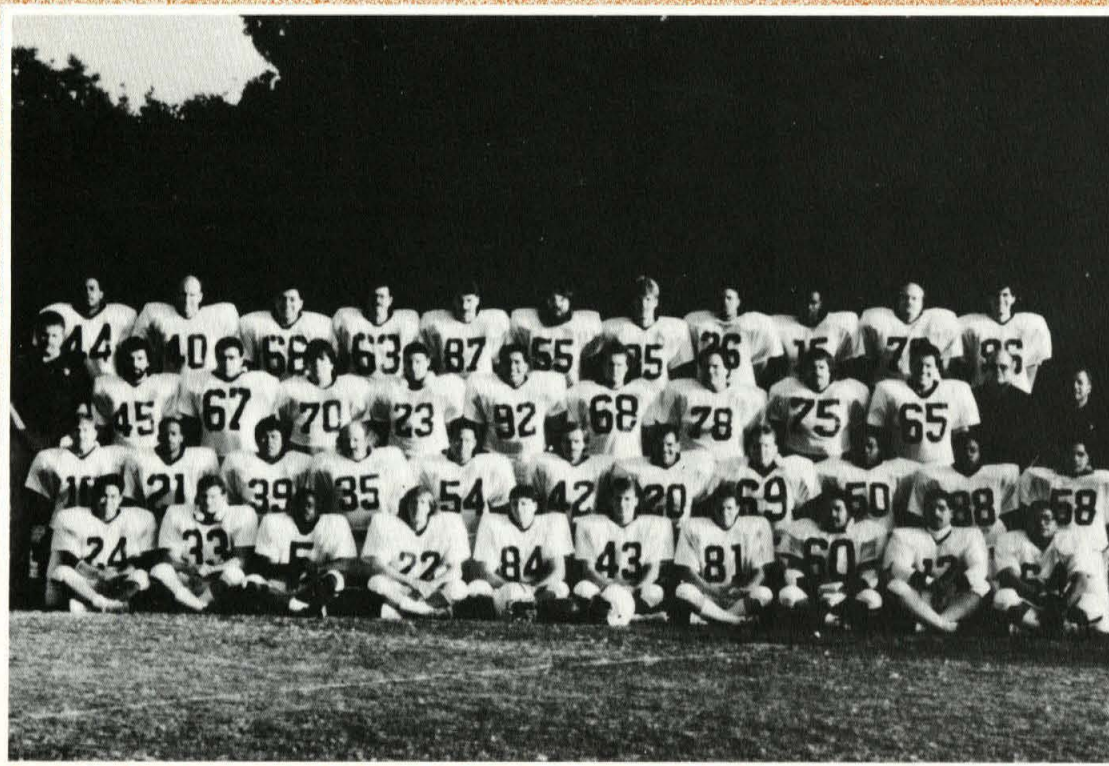
major milestone for us," Jack said of the USD game. "We wanted to show we could play against that caliber of program."

The Beavers' only other loss was to the Southern California Storm, a semipro team with several ex-USC and UCLA players and several players with professional experience in their rosters. "They had a tremendous advantage in size, and they pretty much owned us up front," Coach Jack said. "We trailed 25-12 at one time, and I thought we came back pretty well."

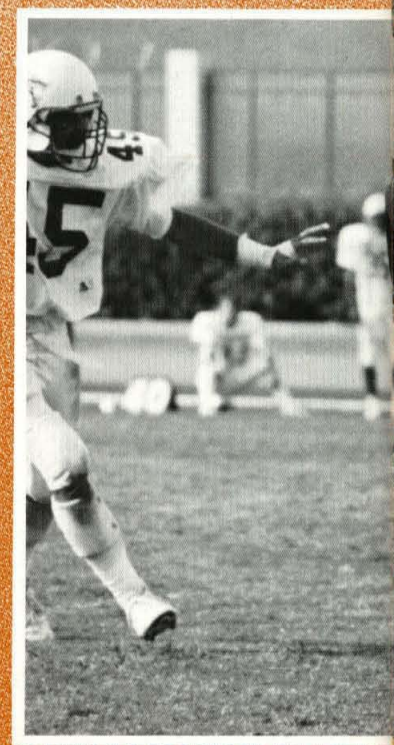
Other highlights of the season include a friendly thrash-

ing of the touring Australian National Team (Oy!), and the ever-popular Caltech-Pasadena Police toy bowl, which collects toys for the Tournament of Toys and Toys for Tots drives.

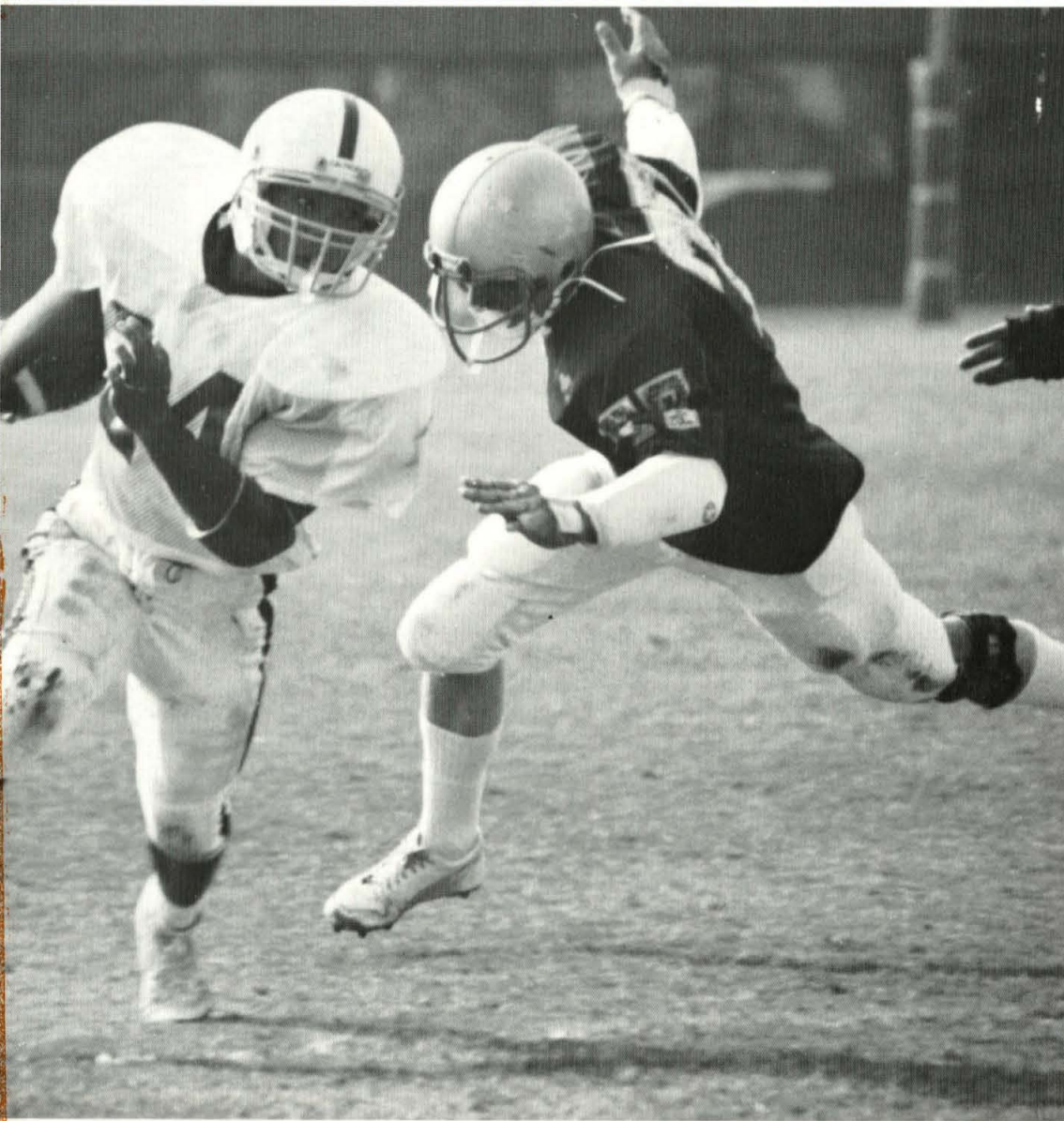
On the future of Caltech football, Jack adds, "I'd like to put more schools on the schedule next year. We're thinking of Claremont-Mudd's or Pomona-Pitzer's junior varsities. It brings out a better level of football in us, because we rise to our opponents' level, and I think the school as a whole gets more involved—more people come out to watch the game. It gives the program a higher



**Top Row (left to right):** L. Scott, R. Holt, B. Rodriguez, J. Miller, M. Ewell, D. Yule, J. Smith, S. Harris, S. Majewski, P. San Clemente **Second Row:** Coach W. Jack, G. Valente, C. Torres, C. Carrell, R. Miles, H. Aguecia, D. Nichols, J. Long, J. Moore, T. Schamberger, Coach E. Bjornsen, Coach G. Renfroe **Third Row:** J. Picinisco, A. Woods, D. Young, E. Davidson, L. Cheng, T. Eilers, D. Thomas, S. Harkness, R. Williams, D. Perdue, R. Stone **Front Row:** C. Nakasone, E. Newman, D. Russell, D. Ross, A. Pine, R. Underwood, B. Duchovnay, R. Turcios, D. Stone, S. Gonzales  
**Not Pictured:** Coach D. Brinza, V. Riley, R. Curiel, D. Gardner, L. Campbell, G. Thomas, H. Lew, D. Vaughn, R. Welstand, A. Mikula, D. Granados, R. Whiteley, V. Burney, R. Emery, J. Luckey

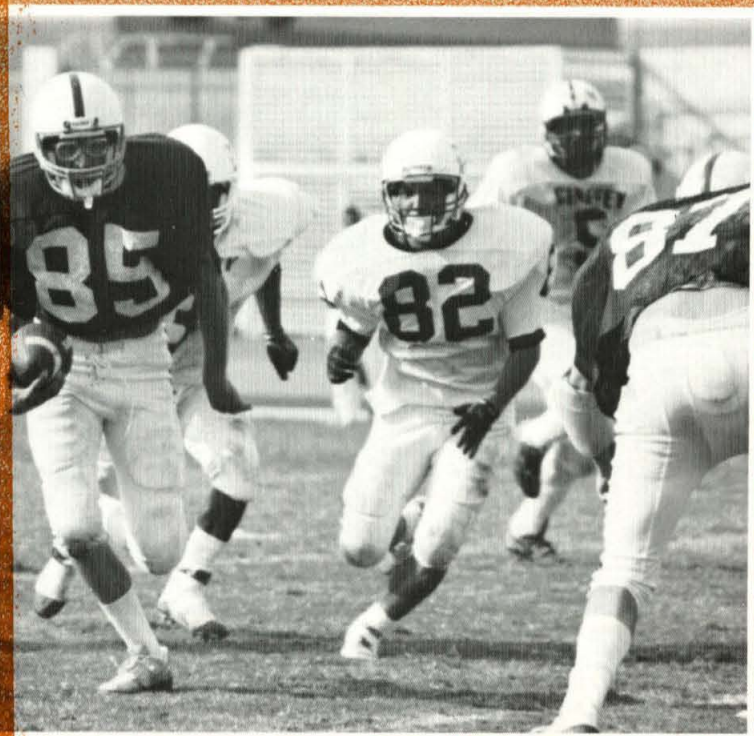






credibility level when you don't always have to keep explaining who your opponent is." Adds Bridges, "There's community appeal to institution-vs.-institution contests, and more alumni interest, because it's more like what they remember they used to do. I think we'd rather go 5-5 against other schools than 9-0 against club teams."

Cass Nakasone (24) breaks tackles and leaves defenders in the dust on a sweep play against the Antelope Valley Crusaders. Strong performances were also turned in by guard Todd Schamberger, tackle Chon Torres, and inside linebacker Steve Harkness.



### Football Scoreboard

10/6	California Wolves	33-18
10/13	Antelope Valley Crusaders	19-6
10/20	Cal Poly Pomona	3-9
10/27	San Fernando Valley Nomads	35-6
11/3	University of San Diego J.V.	19-15
11/10	Australian National Team	42-0
11/17	Southern California Storm	25-29
12/1	Pasadena Police Association	31-6



# Water Polo

## Blasts Into Action

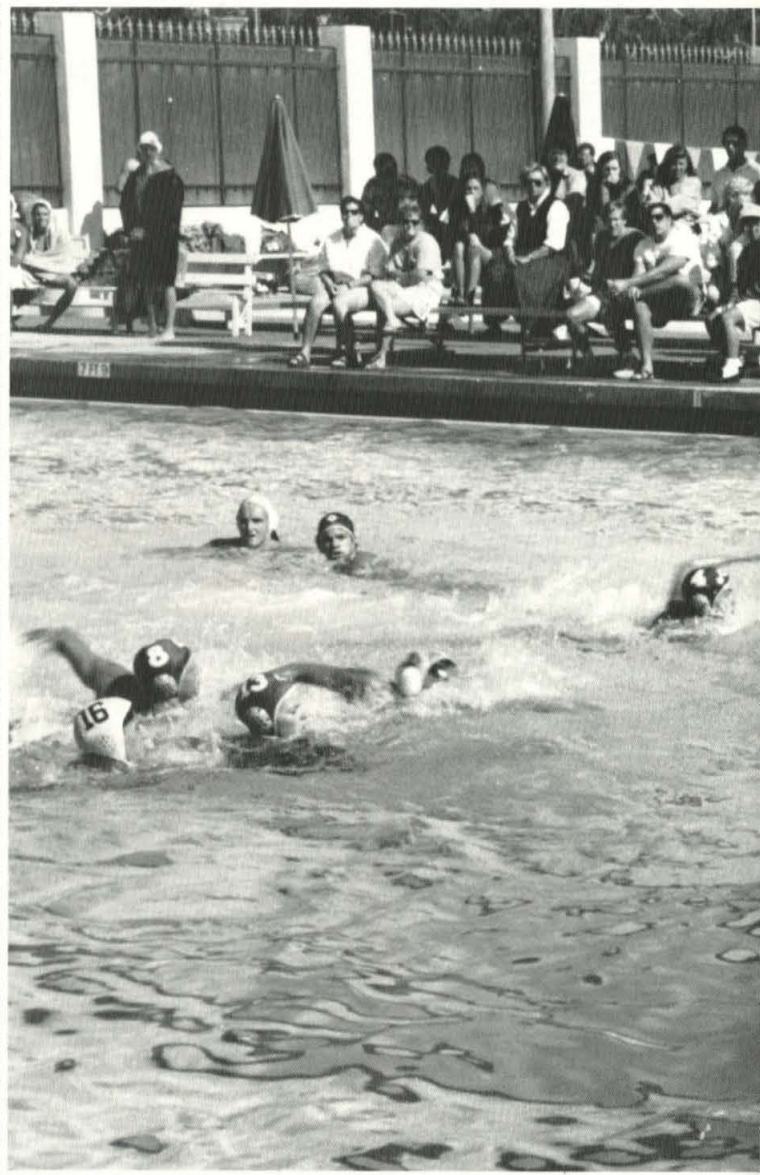
by Brian Shim

The 1990 Caltech Water Polo season started with a blast when the Beavers soundly defeated Chaffey College 10-4. This victory was the culmination of several years of hard work and steady improvement by the team. Although the Beavers weren't as successful within their conference, they put up a respectable fight. In pre-season action, Caltech played a tough game against Chapman College but lost by a narrow 8-12. In the Pasadena City College game, the Beavers led until the fourth quarter, when they ran out of gas and ended up losing 10-14. In conference action, Caltech played a very respectable game against the powerhouse Pomona-Pitzer team, and scored five well-earned goals. Of course, there were the blowouts against USC and Cal State San Luis Obispo, but these were learning experiences.

Caltech's scoring was led by senior Brian Shim, who had 44 goals and made it to second team all-conference. Next was transfer student Jim Radford, who became an immediate asset

to the team as a hole-set, scoring 27 incredible goals. Also leading the team was senior Dave Geraghty, who managed to win most of the sprints, as well as score 24 goals. Providing solid support were juniors Tamaki Murakami, with 15 goals, and Tim Maddux, with 13 goals. Sophomore Mark Savellano had seven goals (with 16 aggressive fouls), while junior Doruk Engin scored six before ending the season early due to injury. The most improved player award went to junior Grant Sifton, who had three goals. Also scoring was junior Sonny Arcilla, with two goals, and junior Andy Crews and sophomore Alan Kulawik, each with one. The Most Valuable Frosh award went to Derek Surka, who was a fine addition to the team. Goalie Dan Smith had an excellent season, and even managed to block a couple of four-meter shots.

All in all, it was a very enjoyable season. With a solid lineup of returning starters and new recruits, next year's team should be something to watch for.



Right: The beavers prepare to score against another opponent.

### Water Polo

### Scoreboard

Chaffey	10-4
Chapman	8-2
Alumni	8-2
P.C.C.	12-22
Whittier	5-13
P.C.C.	10-14
U.C. Riverside	15-10
Chapman	5-10
Redlands	6-15
Redlands	7-17
Occidental	8-17
Pomona-Pitzer	5-11
CMS	5-18
USC	1-20
SLO	8-22
Occidental	6-12
Chapman	5-12
Whittier	7-13
CMS	6-20
Pomona-Pitzer	3-14
Redlands	5-14
Whittier	7-20



Back: (Left to Right) Ryan Naone, Ellis Eekland, Derek Surka, Mark Savellano, Tamaki Murakami, Alan Kulawik, Nick Pornsinsittrak  
 Middle: Coach Clint Dodd, Karin Johnson, Keith Thompson, Grant Sifton, Monica Holboke, Kristy McAdams  
 Front: Sonny Arcilla, Dan Smith, Art Shmurun, Ben Masok, Brian Shim (Captain), Dave Geraghty, Tim Maddux



# Swimmers Break Records

by Brian Shim

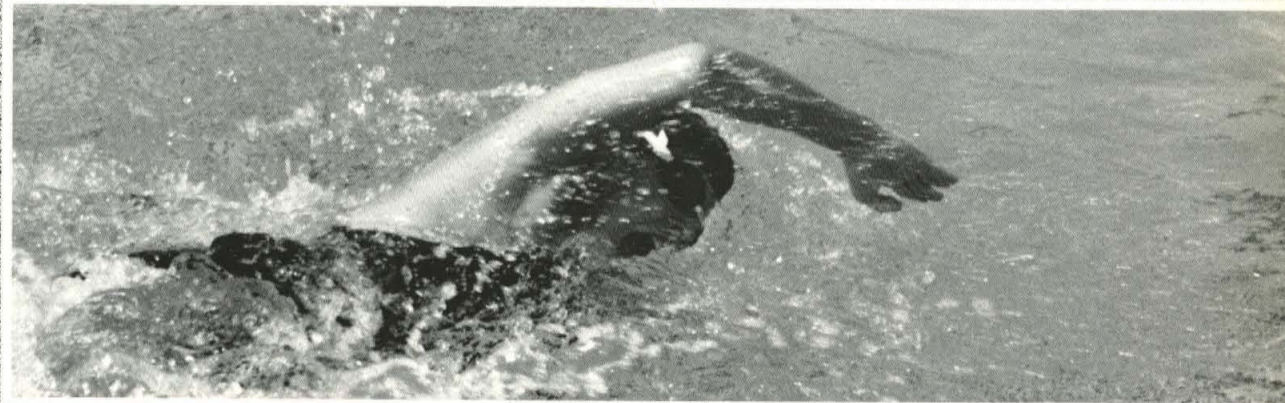
The Caltech men's and women's swim teams had a successful season this year. Although both teams finished in fifth place, they fought hard and showed that they had the winning spirit by consistently winning the close races. Coach Clint Dodd described this year's group as one of the toughest swim teams he has ever seen.

Leading the scoring for the men's team were seniors Barry Stipe and Dave Geraghty. Stipe, the team's premiere backstroker and MVP, broke the Caltech record for the 200-yard backstroke and finished fourth in the 100-yard backstroke at finals. Geraghty, a distance freestyler, swam the grueling 200, 500, 1000, and 1650-yard events, as well as backstroke. Also swimming distance was freshman Roger Moore

and junior Tim "Mad Dog" Maddux, who was voted the Most Improved (for the second time in his career). The breaststroke was handled by senior Brian Shim and sophomores Nick Pornsinsirak and Korhan Gurkan. Backstrokers were sophomore Dave Lande and freshman Keith Thompson, who also swam butterfly with senior Art Shmurun. Freestylers were senior Ben Masek, freshman Ellis Eckland, sophomores Alan Kulawik, and Mark Savellano, who also swam the breaststroke. In addition, senior Allen Corcoran racked up the points in diving.

This year's women's swim team was one of the strongest in recent memory. They worked hard and fought tenaciously, breaking many school records. During finals, juniors Monica Holboke, Karin Johnson, Jerri Martin, and sophomore

Karen Ross shaved five seconds off the school record in the 200-yard freestyle relay with a time of 1:54.31. In addition, Holboke finished fourth in the 200-yard individual medley with a time of 2:25.31. Another record was set when Holboke, Ross, Martin, and freshman Vania Lee swam the 400-yard medley relay, dropping eight seconds off the previous record set in 1979. In the 400-yard freestyle relay, a third record was set when Ross, Johnson, Lee, and Holboke finished with a time of 4:12.21, three seconds off the old mark. Also swimming this season was junior Linda Ying, who was an integral part of the team. Overall, the women's swim team proved that they were a force to be reckoned with. Their determination and record-breaking performances resulted in a very impressive season.



Top: The 1991 Caltech Swim Team showed their muscle by breaking many school records.

## Swimming

### Scoreboard

UC Riverside	118-89
Whittier	150-15
Pomona Pitzer	56-180
Colorado College	470-171
Occidental	91-104
Redlands	92-120
Occidental	99-116
CMS	54-170
Whittier	128-22
UC Riverside	72-126

Standing (Left to Right) Coach Clint Dodd, Korhan Gurkan, Keith Thompson, Alan Kulawik, Brian Shim, Sonny Areilla, Roger Moore, Dave Geraghty, Barry Stipe, Tamaki Murakami, Tim "Mad Dog" Maddux  
Sitting: Nick Pornsinsirak, Dave Lande, Jerri Martin, Karin Johnson, Monica Holboke, Linda Ying, Karen Ross, Art Shmurun, Allen Corcoran

Middle: Vania Lee Not Pictured: Mark Savellano, Ben Masek, Ellis Eckland

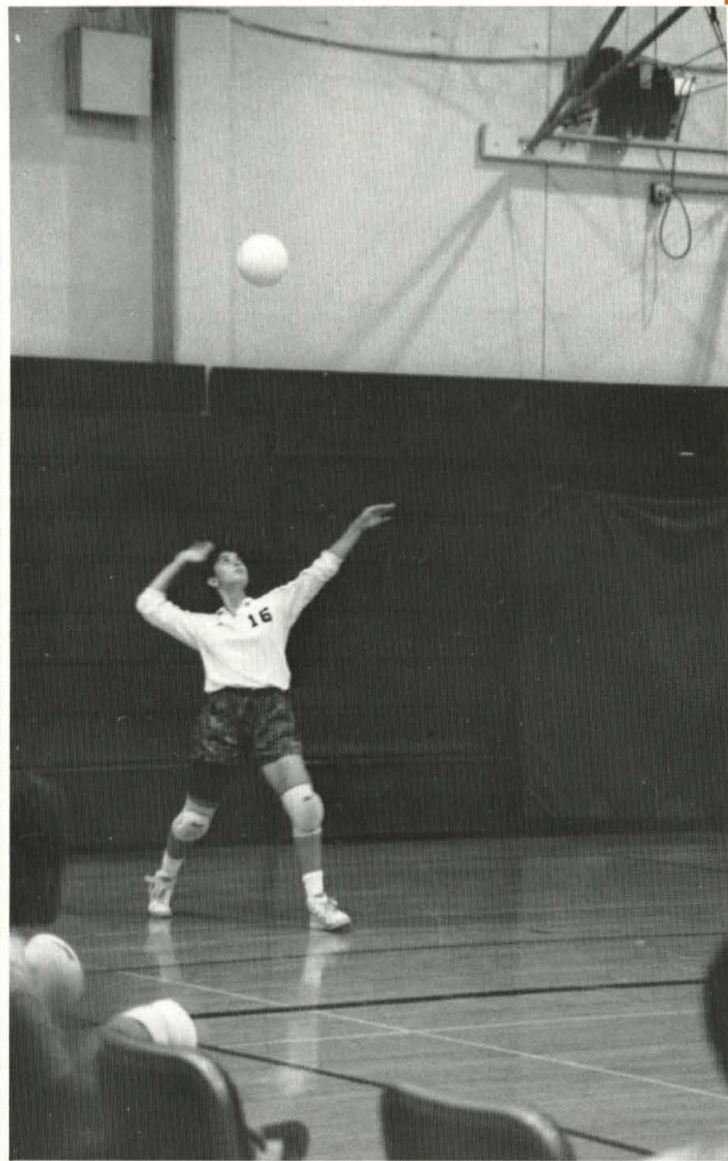


# New V-ball Team Shows Promise

By Christy Esau

This year a women's undergraduate volleyball team was established in yet another first for Caltech's athletic department. Although not a member of SCIAC, the team practiced and played in a GSC "B" league beginning mid-October under coach Karen Nilsen.

The team was young and inexperienced, with seven freshmen, two sophomores, and a junior. Four members had never played competitive volleyball before. Freshmen Jennifer Trittschuh, Debbie Martin, and Esther Shao helped out on defense, while Christy Esau filled in



## Women's Volleyball Scoreboard

10/3	Pacific Christian	7-15, 9-15, 15-13, 10-15
10/6	Christian Heritage	2-18, 4-15, 15-8, 9-15
10/10	Loma Linda U.	15-13, 15-13, 16-18, 8-15, 6-15

### Caltech Invitational

10/12	Cal Maritime	11-3, 11-7, 11-5
10/13	Pacific Christian	0-11, 1-11, 11-5
10/13	Mt. St. Mary's	11-6, 11-5, 11-1
10/13	Pacific Christian	12-15, 15-10, 9-15

10/17	Mt. St. Mary's	12-15, 15-8, 15-4, 15-11
10/22	Pacific Christian	6-15, 4-15, 13-15

### Cal Maritime Invitational

10/26	Holy Names	15-10, 11-15
10/27	Cal Maritime	15-11, 15-9
10/27	Mt. St. Mary's	15-11, 15-3
10/27	Holy Names	15-2, 15-6

10/29	Loma Linda U.	15-8, 12-15, 15-9, 14-16, 16-14
10/31	Christian Heritage	15-10, 9-15, 15-5, 7-15, 15-11
11/3	Mt. St. Mary's	15-13, 15-6, 15-8

as a setter. Maha Zewail showed great promise as a hitter, and Jill Bush provided the height for the team. Sophomore Jen Yu and junior Em Naranjo were strong on defense and were two of the team's best hitters. In addition, sophomore Taletha Derrington was both a setter and the top hitter. Unfortunately, Katie Coughlin, a setter and a strong hitter, was out for several weeks due to an injury.

In spite of inexperience and injury, the undergrads played well in the GSC league. They were also invited to accompany the club team to Cal Maritime in Vallejo to play an exhibition match against their young team, which they won handily. This was a building year for the team, and they hope to eventually play intercollegiately.



Standing: (Left to Right) T. Derrington, J. Yu, J. bush, J. Trittschuh, E. Naranjo, K. Coughlin, Coach K. Nielson  
Kneeling: E. Shao, M. Zewail, D. Martin, C. Esau



# Soccer Season Looking Good!

By Atulya Risal

Although the Caltech soccer team failed to meet the goal set at the beginning of the season, the season finale against Cal Maritime left no doubt that Caltech will field an excellent team next year. Cal Maritime had a strong and fast squad, but the Caltech team managed to stay in control and take advantage of the weak goalkeeper to produce the highest scoring game for the

season. The final score of 5-0 was indicative of the team's coherence and future success.

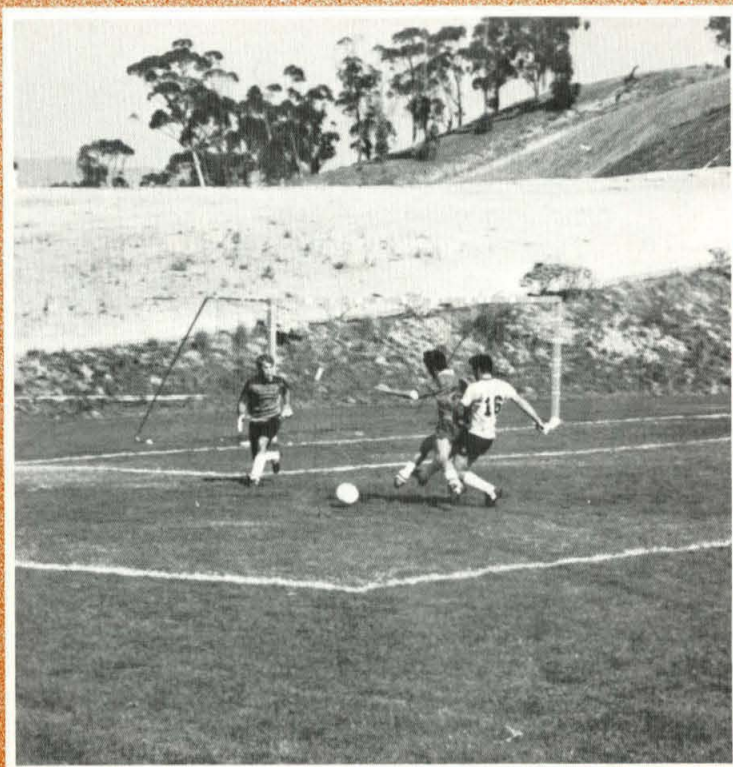
Looking back at the season, there were a few players who contributed tremendous amounts of effort to the team and enhanced their personal skills in the process. Rohan Mahadevan, Peter Carlin, Matt Baker, Jose Garcia, and Charles Halloran all certainly fit this category among the frosh. Juniors and sophomores Greg

Dudey, Todd McLaughlin, Tigger, and Paco get their share of the fame along with Captain Jim Werner.

With only two starting seniors graduating, the Caltech team should be able to come out strong next season and spank some rear end! With pre-season starting on the first of September, the extra time spent on practice should pay off and carry the team past the 0.500 mark.

## Men's Soccer Scoreboard

9/26	Occidental	0-4
9/29	Whittier	0-4
10/3	Cal Lutheran	0-5
10/5	Loma Linda U.	2-2
10/6	La Verne	3-5
10/9	Christ College	0-6
10/10	Pomona Pitzer	0-8
10/13	CMS	0-10
10/17	Redlands	0-1
10/19	Pac. Christian	1-3
10/20	Occidental	2-8
10/23	Loma Linda U.	3-2
10/24	Whittier	2-2
10/27	Cal Lutheran	0-5
10/31	La Verne	0-5
11/3	Cal Maritime	5-0



**Standing:** (Left to Right) Coach P. Howells, D. Park, T. McLaughlin, M. Humphreys, P. Herrero, D. Kim, S. Chang, J. Werner, G. Dudey, Coach J. Moran

**Kneeling:** P. Carlin, R. Balterzen, S. Townsend, M. Baker, A. Risal, G. Wiersema, V. Jacox

**Not Pictured:** J. Andreiu, J. Garcia, W. Lau, R. Mahadevan, Q. Pham, B. Donning



# Cross-Country Has A Great Season

by Chris Campo

The 1990 season for the Caltech Beavers in the Cross Country saw the emergence of what was perhaps the strongest men's squad in over five years. Unfortunately, the SCIAC conference, in which Caltech competes was also at its highest competitive level in a long time. The result was that the only team that the men could beat was the "hurtin' for certain" La Verne squad. All other SCIAC teams, except Redlands, defeated Tech soundly.

Prospects at the start of the year seemed dim, as two of Tech's best distance runners, Alan Thompson and John Freeman, had both transferred to other schools. There were a number of key runners who did return, however, including junior sensation Dan "Terminator" Flees, and seniors Chris Campo, Scott Kister, and Mark Lyttle. In addition to the strong returning contingent, the influx of talented new runners more than made up for the loss of Thompson and Freeman. The best freshman talent was Andy Zug, a flat course specialist who held a spot in the top seven runners for Tech in every race he ran, but the key addition was transfer Aaron Matzner.

Matzner landed in the SCIAC conference as a Caltech sensation, finishing number one overall in one race at Cal Lutheran and challenging the top runners in the conference at the other races.

Dan Flees was the secondary runner of Caltech's Matzner-Flees one-two knockout punch. Flees was by far the closest in talent to Aaron and put in a number of phenomenal performances. While Aaron is no longer eligible for the NCAA since he already ran 3 years at Whitman, Flees will be returning next year. Matzner will lend his experience to the team as Assistant Coach.

All in all the Beavers put in a good show with a strong squad but had to face tough opponents in the SCIAC conference.

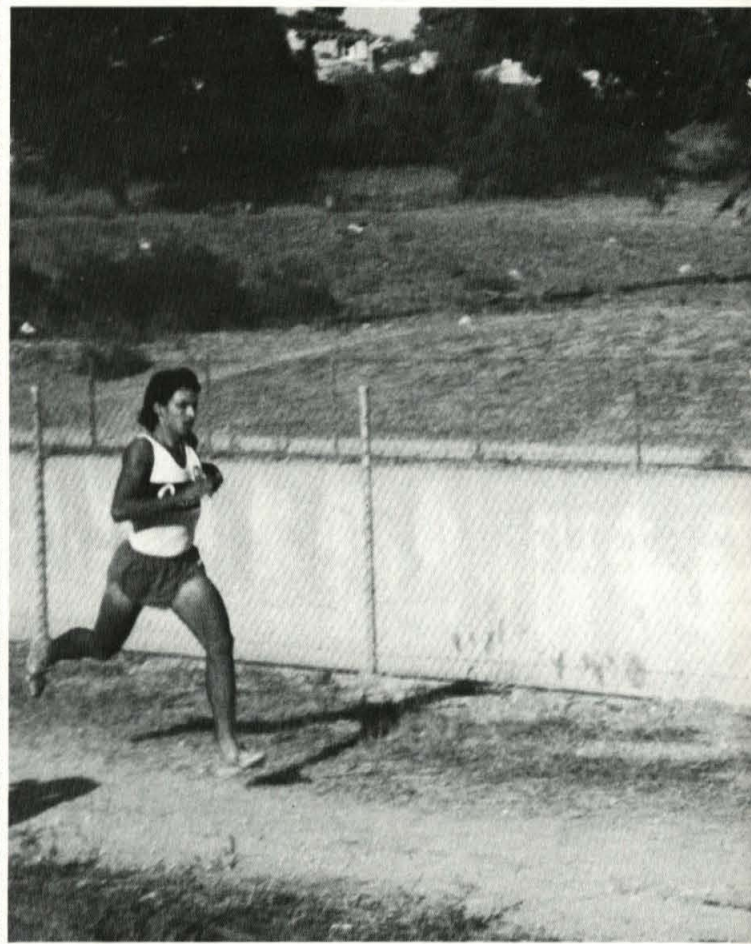
For the women, there was no insurgence of phenomenal talent comparable to Matzner. However, the Beavers were aided by both the return of veteran talent and new bodies. The leader of the pack throughout the season was sophomore Amy Hansen. Hansen ran impressively in spite of chronic stomach pain and posted a Second Team All Conference finish at the SCIAC championship meet. Amy's "wingman" for much of the season was sophomore Aimee Smith. Smith, a very dedicated runner and natural leader, worked hard to run well in spite of the burden of her many other activities.

Senior Golda Bernstein made an occasional appearance at meets, being on the team in a "part-time" capacity, and whenever she did show up, she ran well. Junior Emmeline Naranjo, a talented sprinter, proved that she was also

talented at long distance. Naranjo consistently placed in the top seven for Caltech.

The best newcomer to the Caltech squad was first time run-

ner freshman Carol Johns. Johns took to running like a fish to water and ran gutsy performances. If Carol decides to run next year, she will undoubtedly be one of the top performers.



**Women's Team. Kneeling:** G. Mullendore, B. Barton, E. Wunderlich, Coach J. O'Brien  
**Standing:** A. Hansen, A. Smith, J. Haldeman, E. Naranjo, B. Green, C. Johns  
**Not Pictured:** G. Bernstein, A. George, S. Yoder, Assistant Coach L. Warner



**Men's Team. Sitting:** M. Mulqueen, A. Matzner, M. Ida, N. Bowden, M. Lyttle, C. Campo, J. Michaud  
**Standing:** T. Wachholz, J. Pham, A. Zug, S. McLaughlin, K. Larsen, D. Gilmore, b. Trotter, J. Grade, D. Flees, w. Chamberlain, K. Gilpin, M. Thomas, D. Krum, K. Storm, Coach J. O'Brien  
**Not Pictured:** S. Kister



# New Club on Campus--Club Homeboy

By Chris Campo

Caltech's newly formed triathlon/biathlon club met with smashing success during 1990-1991. With some much appreciated funding from ASCIT, the club was able to put on one biathlon first term down at the Rose Bowl and a second biathlon second term at the same location.

The First Homeboy Biathlon was open to all Caltech students, employees, JPLers, and their friends. The turnout was good--about 25 people. About five were undergrads, the rest were profs, grad students, and JPLers. Caltech Assistant Trainer Craig Reynolds won the race, and the first undergrad to finish was senior John Pham. The race consisted of one

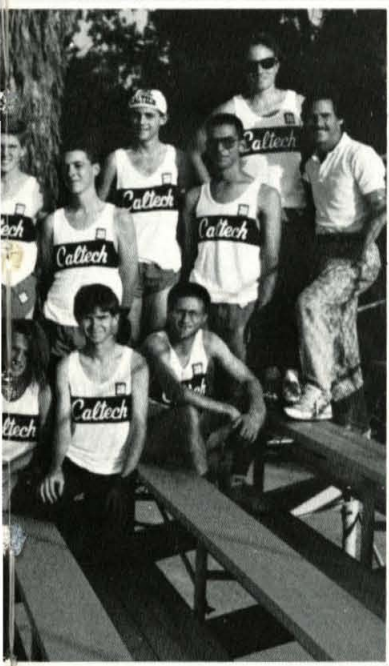
lap around the Rose Bowl running (3 miles) followed by 6 laps cycling (18 miles) and finished with another one lap run (3 miles). The atmosphere was low-key, and there was free food for everyone after the event.

The Second Homeboy Biathlon was an even more smashing success than the first. There were 40 people competing, about 10 of whom were undergrads. Also, runner/biker relay teams were in abundance at the event. The race this time consisted of a two-mile trail run followed by 3 laps of cycling around the rose Bowl (9 miles) and finished with another two-mile trail run. Club Homeboy even gave out Tiger Milk Bars to top finish-

ers, and again there was plenty of free food and drink after the race.

Next year Club Homeboy will attempt to hold one event per term again. As always, free food and drink will be provided, but in the future a one dollar nominal entry fee may be necessary to convince ASCIT that the club is not just getting free ride. Also, a triathlon may be in the works for those who have complained that the Homeboy events have given swimmers a "raw deal".

The driving force behind Homeboy this year came from Seniors John Pham, Chris Campo, and Mark Lyttle. Next year the mantle will pass on to senior Mike Mahon and freshmen Ned Bowden and Andy Zug.



## Men's Cross Country Scoreboard

9/22	Claremont	37-22
	La Verne	Forfeit
	Whittier	36-20
10/6	Occidental	42-18
	La Verne	Forfeit
	Redlands	29-26
10/13	<b>Caltech Invitational</b>	
	Pepperdine	20-39
	Mt. St. Marys	15-50
	La Verne	15-50
10/20	Pomona-Pitzer	35-20
	LaVerne	15-50

## Women's Cross Country Scoreboard

9/22	Claremont	50-15
	La Verne	Forfeit
	Whittier	50-15
10/6	Occidental	45-15
	La Verne	Forfeit
	Redlands	Forfeit
10/13	<b>Caltech Invitational</b>	
	Pepperdine	42-15
	Mt. St. Marys	24-31
	La Verne	15-50
10/20	Pomona-Pitzer	50-15
	LaVerne	15-50



# Fencers Dominate!

by Bob Randolph

In its second year under Coach Robert Randolph's leadership, the Caltech Fencing Squad improved its final placement in the Intercollegiate Fencing Conference of Southern California to fourth place overall (up from sixth place last year). Furthermore, the team won the Division III category of the Intercollegiate Fencing Championships by surpassing such schools as UC Santa Barbara, UC San Diego, and cross town rival Occidental College.

Outstanding individual achievements were turned in by Caltech sabre captain Keith Seitz who earned All-Conference honors with his 35-10 record; teammate Brady Montz (30-12) who finished 7th in the conference, and Epee Captain Peter McCann (28-17) who finished 8th in the conference.

Next year promises to be Caltech's greatest one ever. Coach Randolph, helped by assistants George Clovis and Carlos Fuertes, will have an experienced squad of returning fencers and a just-recruited member of the US Junior

## Fencing Scoreboard

11/3	def. CPP	
	lost to UCSB	
11/10	def USC	22-21
	lost to UCSD	24-19
11/18	def OXY	
	lost to CSULB	
	def UCLA	
	lost to CSUF	
1/26	def CPP	
	lost to UCSB	
2/9	def USC	23-4
	lost to UCSD	14-13
	lost to CSULB	22-5
	def OXY	24-3
2/23	lost to CSUF	20-16
	def UCLA	22-13
	lost to UCSB	31-4

Olympic team by the name of Kevin Boyce. Combined with a very favorable schedule which gives Caltech three home competitions, the Blue and Orange looks forward to a great 91-92 fencing season.



**Back:** (left to right) Assistant Coach Carlos Fuertes, Keith Schneider, Doug Rowland, Dave Perlman, Coach Robert Randolph, Rob Coker, Lisa Moesker, Assistant Coach George Clovis **Front:** Ted Palmatier, Keith Seitz, Michael Su, Sandee Perez, Aaron Clements **Not Pictured:** Peter McCann, Brady Montz, Gabriela Mallen-Ornelas, Greg Dudev, Chandler McDowell, Wendy Belluomini, Albert Lee, Matt Johnson







(left to right) Ian Agol, Dan Frumin, Andy Crews, Aron Rempel, Henry Choi, Hoyt Hudson, Scott Kister, Mark Lyttle, Delwyn Gilmore, Chris Cusanza **Suspended:** Matt Carolson



## Caltech Ultimate Machine

by Hoyt Hudson

Lay out! Disc up! Hammerdeep! These phrases may not mean much to the untrained ear, but they are routinely shouted back and forth across the field by the stalwart men and women of the Caltech Ultimate Machine. After a season of Interhouse disc which proved to be some of the best ultimate ever played at Tech, the players, the talent, and the unbridled animal energy were there to make possible the formation of a great undergraduate team. Whereas ultimate had earlier been

played occasionally on the Court of Mann or indoor in the gym, by second term the team was practicing twice a week and hungry for some competition. We perhaps bit off more than we could chew at the San Diego tournament in which we escaped without a single victory. However, we later went gloriously undefeated at the tournament we hosted at Caltech. Next year, with practices continuing and a new batch of frosh to draw talent upon, we hope to grow in prowess and eventually assume the position of ultimate power in the world of disc.



# Hockey's Winning Tradition Continues

Congratulations!! The Caltech Hockey Club successfully defended the Pacific Collegiate Hockey Association Championship for the second consecutive time. This makes it a total of seven in the eighteen year history of the league.

The Beavers finished second place overall in regular season play. This year's Hockey Club is perhaps the strongest team in the history of collegiate compe-

tion for Caltech. The beavers have consistently emerged victorious against schools ten to fifteen times its size such as UCLA and USC.

This year's championship came against U.C. San Diego on April 7th. Caltech beat UCLA and USC in playoff competition before beating U.C. San Diego in two consecutive games for the championship.

Way to go Beavers!



## Hockey Scoreboard

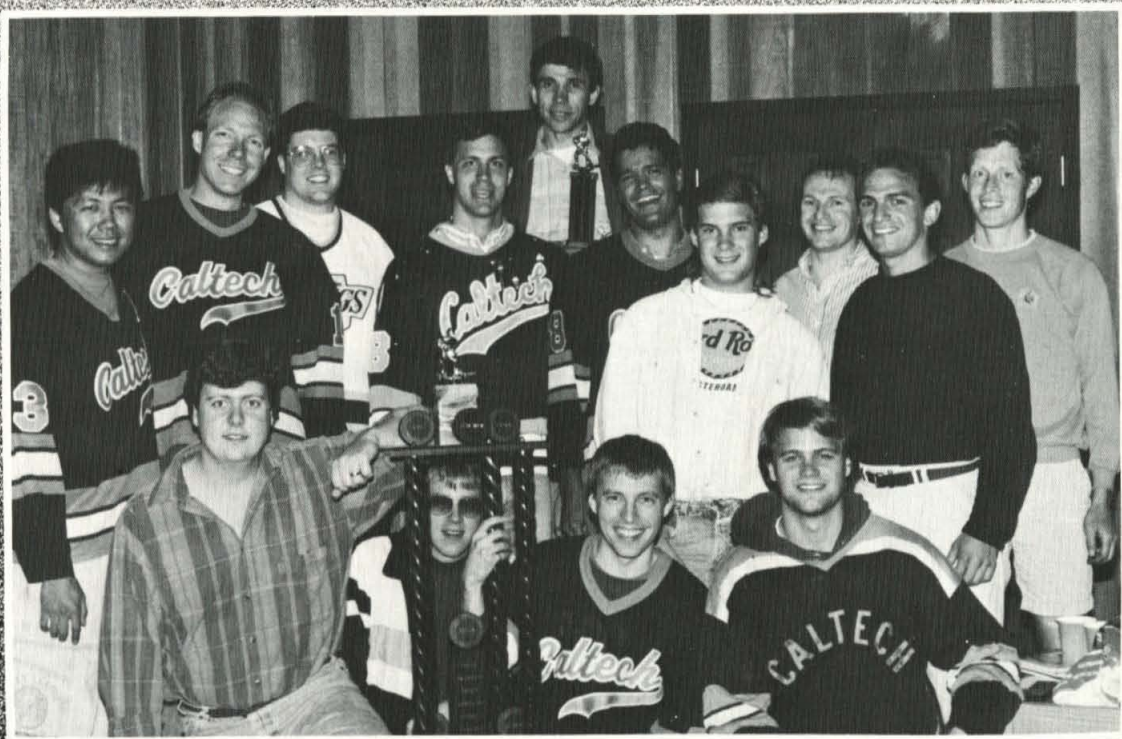
10/28	UCSD	4-5
11/4	USC#1	3-4
11/18	UCDavis	9-0
11/19	USC#2	5-1
12/2	SDState	7-1
1/16	USC#2	9-1
1/23	UCLA#2	17-0
1/26	UCDavis	9-0
1/27	UCDavis	7-2
1/29	UCSD	2-2
2/4	USC#2	7-1
2/10	CSUN#2	19-2
2/13	CSUN#2	16-1
2/17	MIT	0-2
2/22	UCLA#2	16-1
2/24	SDState	5-2
3/3	UCSD	4-5
3/6	Midgets	5-4
3/13	UCLA#2	13-0
3/17	SDState	6-1
3/18	Midgets	2-7

### Playoffs

4/5	UCLA#2	10-0
4/6	USC#2	5-2
4/6	UCSD	4-0

### Warden Cup Final

4/7	UCSD	5-1
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Back: (left to right) Haj Sano, Tom Penn, James Schael, Martin Brouillette, George Yates, Jacques Belanger, Max Heitzmann, Dale Laird, Jim Caron, Pat Dobson. Front: Bob Lane, Dennis Moore, Jeff Moore, Kurt Stephens, Not Pictured: Brooke Anderson, Dwight Berg, Jim Bower, Dave Braun, Herman Cho, Jason Colley, John Cortese, Dave Fort, Tom Gibson, Jeff Hall, Dan Keelan, Sandy Krasner, John Loch, Mark Mine, Ron Seifert, Benjamin Skrainka.



# Future Looking Bright for Golf Team

by Coach Mike Jackson

For the first time in Caltech history, the Men's Golf Team was able to field a scoring team for every SCIAC match. Led by Senior captain Dong-su Kim the team finished the season with the fourth best scoring average for a Caltech Golf Team. Members included Seniors Suresh Shanmugam, Barry Stipe, Mike Pottenger, and Sabeer Bhatia, Junior Matt Paduano, Sophomore John Krowas, and Freshmen Craig Smith, Bryan Kjerulf, Max

Heitzmann, Derek Surka, and Julian Jamison. At the converage banquet Dong-su was awarded by his peers (teammates excluded) with the coveted Lt. Jesse Clark Memorial Award given to the conference golfer felt to most represent the attributes of sportsmanship, academics, and golfing skill. With an outstanding crop of freshmen returning next year and three more excellent players in next years freshmen class, the future is very bright for a program that until recently has been badly neglected.

## Golf Scoreboard

2/4	Caltech	492
	Pomona-Pitzer	429
	Occidental	429
2/11	Caltech	503
	LaVerne	448
2/13	Caltech	475
	Cal Lutheran	427
2/19	Caltech	494
	Whittier	486
2/21	Caltech	526
	Redlands	395
2/25	Caltech	473
	Pomona-Pitzer	402
3/4	Caltech	486
	Whittier	461
3/11	Caltech	463
	LaVerne	406
4/8	Caltech	489
	Occidental	436
	Redlands	433
4/10	Caltech	469
	CMS	386
4/15	Caltech	493
	CMS	409
4/22	Caltech	495
	Cal Lutheran	456

Right: Brian Kjerulf prepares for a stroke

Left: The Beavers take to the ice on their way to their second consecutive Warden Cup.



Back (left to right): S. Bhatia, M. Paduano, Coach Jackson, C. Smith Front: J. Jamison, D. Surka, B. Stipe, B. Kjerulf. Not Pictured: D. Kim, Captain, M. Heitzmann, S. Shanmugam, M. Pottenger, J. Krowas





# Men's Basketball

by Varavut L. and John P.

The Caltech Beavers finished a disappointing but fun season. Although the team didn't win any SCIAC contests, the Beavers did win five pre-conference games. Highlights of the year were the road trips to Santa Cruz and Arizona and Caltech's first home tournament.

Play opened on a sour note with the season ending injury to starting guard Keith Oslakovic during the first game of the year. The injury added pressure to the team, especially to senior guard Larry Ahle who was then forced to raise his level of play. The following games were highlighted by inspiring performances from forward Dan Flees and center Bill Swanson. This led to the Beavers winning their first annual High-Tech Tourney. In the tournament, Caltech won an exciting game against Holy Names in which forward John Parks scored a winning jumper in the closing seconds. Larry and Bill were selected as members of the all-tournament team.

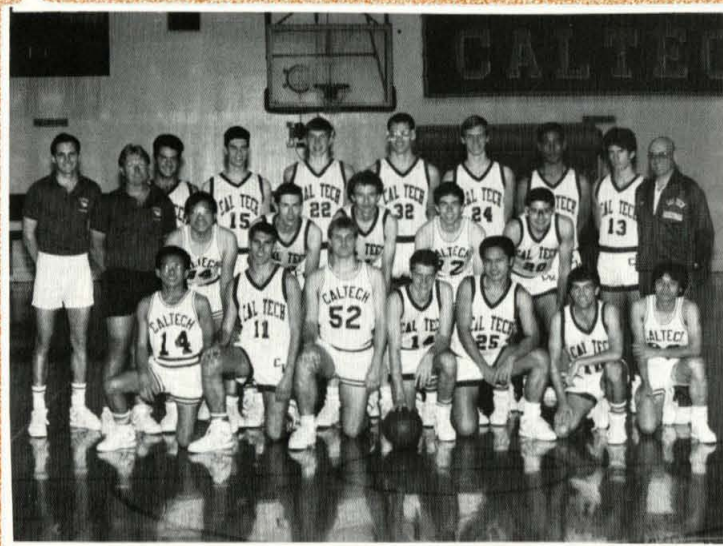
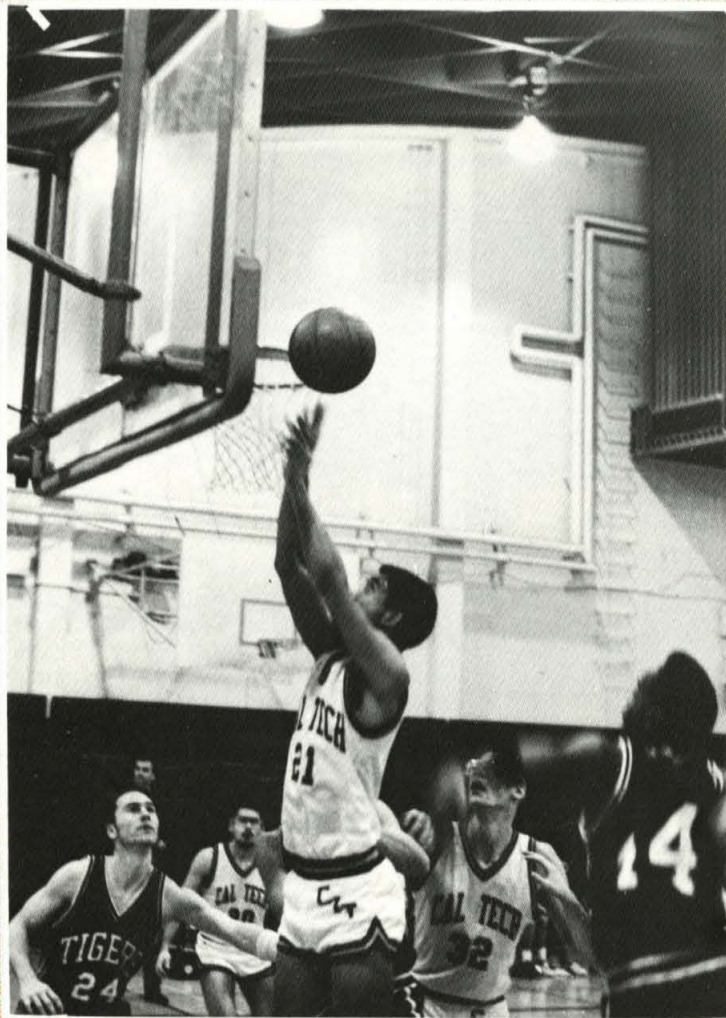
Conference play proved to be disappointing. Early on Larry Ahle suffered a broken finger which ended his collegiate basketball career and all hopes of his ever becoming a first round draft choice. "Now, I'll definitely have to go to MIT for grad school.", said the extremely somber guard. Bill Swanson took over the lead-

ership role and increased his scoring and rebounding output. As a result, Bill was named second team all-conference (the first Caltech player to be selected in many years) and also won the coveted Ted Ducey award - first ever given to a Caltech player. When asked about his accomplishments this season, the 6'8" center exclaimed, "Now maybe I'll get to do a NIKE commercial."

The Seniors who made this season a memorable one included Scott "Set Shot" Kister, who filled the guard position during mid-season, Mike "Air" Pottenger, and Evangelos "The Elbow" Metaxides who managed to elbow three Claremont players in the same game without being called for a foul.

The Beavers hope to improve next season. Returning players will be sensational forward John Parks, high scoring guard Keith Oslakovic, most improved forward/guard John Philippakos, up and coming superstar Jason MacLeod, and assist man Varavut Limpasuvan. In addition, the team expects excellent incoming players.

The team extends its thanks to all the fans who supported Beaver basketball throughout the season. One faithful fan, Jeff Martin, attended every home game and even some away games. As Jeff comments, "Beaver basketball. It's faaaannntastic!"



**Back (left to right):** Asst. Coach Dave Dangleis, Asst. Coach Bob Averill, Evangelos Metaxides, Adam Garrison, Jason MacLeod, Bill Swanson, Ken Wiberg, John Parks, Dan Flees, Coach Gene Victor **Middle:** Jason Lee, Eric Stout, Lanny Boswell, Brian Walton, John Philippakos **Front:** Emerson Tongco, Scott Kister, Bryce Elliott, Larry Ahle, Varavut Limpasuvan, Mike Pottenger, Nhat Nguyen

## Basketball Scoreboard

11/10	Alumni	57-61
11/18	West Coast Christian	53-65
11/20	Pacific coast Baptist	63-71

### 1st Annual Hi-Tech Tournament

11/23	Holy Names	59-58
11/24	Arizona College of the Bible	74-71

### Santa Cruz Invitational

11/30	UC Santa Cruz	37-71
12/1	Cal Maritime Academy	43-45
12/7	L.I.F.E. College	71-67
12/11	Latin American Bible Institute	94-74
1/4	Arizona Bible School	57-63
1/5	International Bible College	54-35
1/9	CMS	40-93
1/12	Pomona-Pitzer	29-56
1/16	Occidental	50-109
1/19	Whittier	51-94
1/23	LaVerne	54-104
1/26	Cal Lutheran	54-84
1/30	Redlands	40-122
2/2	CMS	64-85
2/6	Pomona-Pitzer	37-73
2/9	Occidental	53-116
2/13	Whittier	54-106
2/16	LaVerne	43-92
2/18	Cal Lutheran	51-102
2/21	Redlands	40-116



# Baseball Fields a Young Team

Coach John D'Auria

Having concluded the 1990-1991 baseball season with a 3-27-1 overall record, it was a long season for the young Beaver team. Having lost six seniors from the 89-90 team, our starting nine

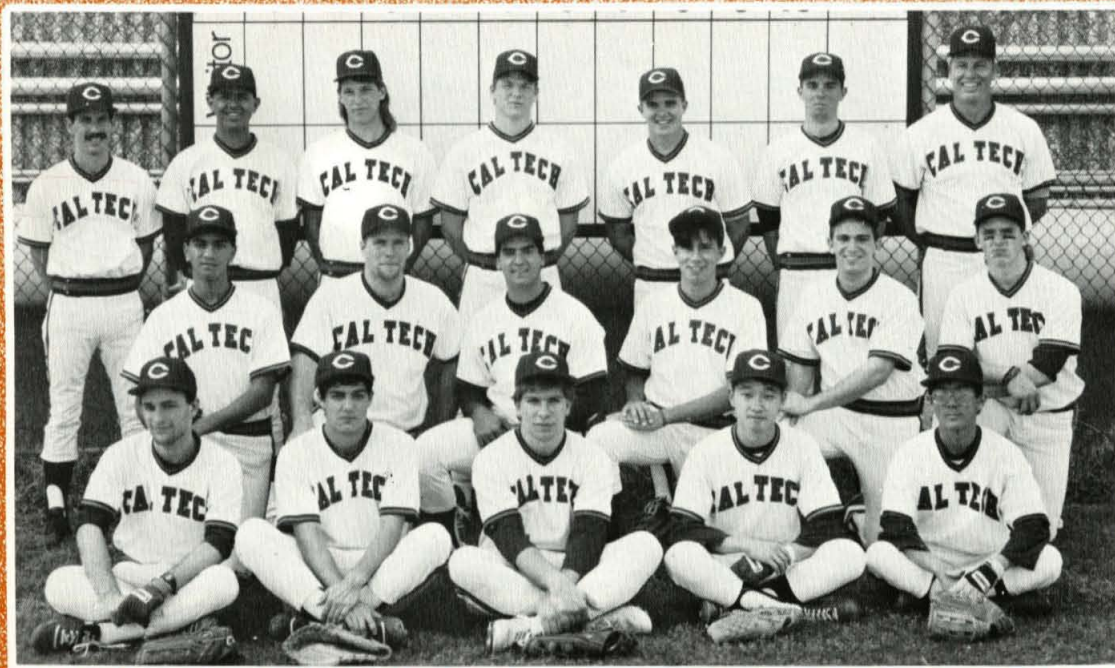
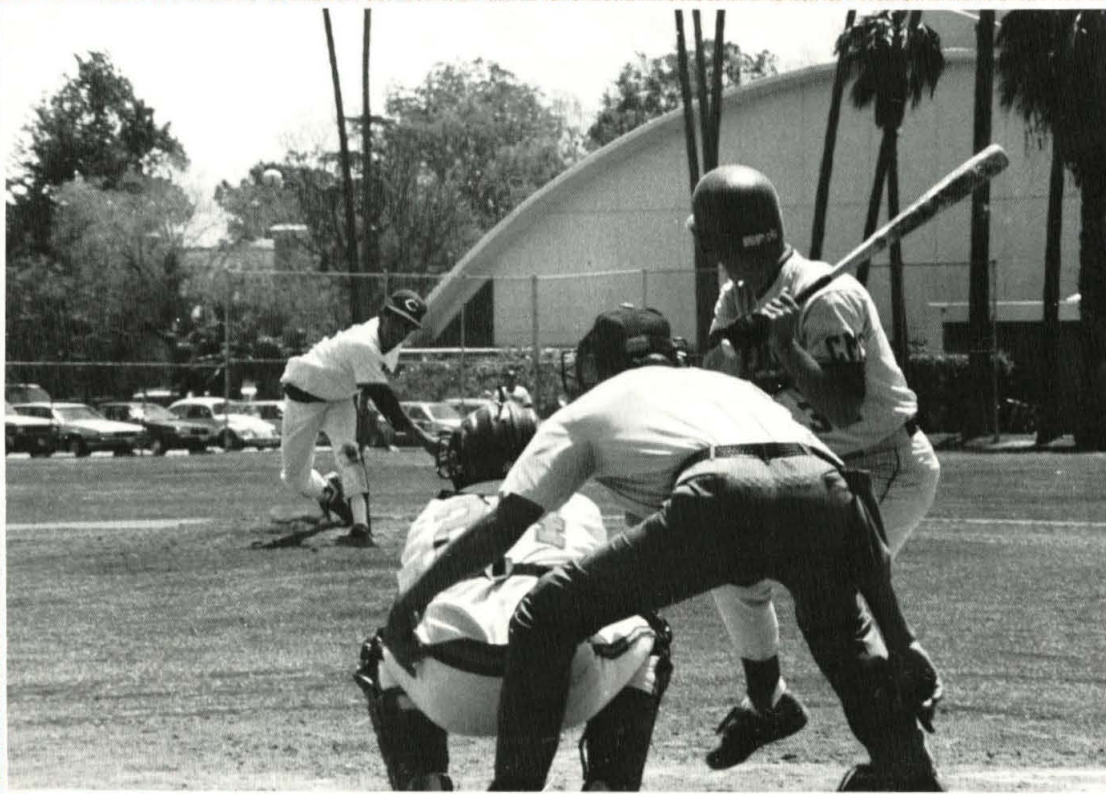
this year consisted of one senior, five sophomores and three freshman. The inexperience definitely hurt us especially at the conference level. Looking ahead to next season the experience gained by the sophomores and freshman will prove invaluable.

Individual awards: Ken Campman our lone senior pitcher/first baseman was voted for the second straight year the "Alumni Trophy" for most valuable player. Ken led the team in hits (33), RBI's (15), doubles (10) and batting average (.412). Ken also took over as

career leader in doubles with 23, and third in career hits with 104. As a direct result of his fine year, Ken was named to the All-SCIAC Conference Second Team. Other awards went to John Stamm "Most Improved", Jeff Wiersema "Defensive Player of the Year", Erin Cramer and Pete Ying "Coaches' Award for Achievement" and Tim Wachholz "Peterson Trophy for Outstanding Frosh".

The SCIAC Conference this year was won by Redlands with a 14-4 record. LaVerne and Claremont tied for second at (12-6), followed by Whittier (10-8), Occidental (9-9), Pomona-Pitzer (6-12), and Caltech (0-18).

Though lacking in experience, the 1991 Caltech Baseball Team did not lack heart. They played hard and always gave their best. As a coach, I applaud their tenacity. For those returning, I say "Keep working hard and I'll see you in January." For those departing, I say "Thank you for the fine effort and good luck in your future endeavors."



Back: (left to right) Asst. Coach Doug McKensie, Atul Suklikar, Jim Radford, Tim Wachholz, Steve Hoekstra, Ken Campman, Coach D'Auria Middle: Jinendra Ranka, Jeff Wiersema, Hootan Hidaji, Jay Bromley, Jim Caron, Erin Cramer Front: Ari Kaplan, John Stamm, Jeff Pasquino, Pete Ying, Jeff Koshi

## Baseball Scoreboard

1/29	LaVerne JV	0-5
2/2	PCBCC	7-21
		4-5
2/5	Pomona-Pitzer	4-14
2/9	PCBCC	20-7
		7-5
2/16	Barstow	0-20
2/22	Redlands	0-28
2/23	Redlands	0-15
		0-1
2/26	PCBCC	9-9
3/2	Whittier	2-18
		0-11
3/4	Whittier	0-20
3/8	Colorado Coll.	0-12
3/9	Alumni	6-9
4/5	Pomona-Pitzer	1-25
4/6	Pomona Pitzer	2-21
		3-12
4/9	PCBCC	6-19
4/12	Cal Lutheran	0-10
		0-17
4/16	PCBCC	15-8
4/19	Occidental	4-7
4/20	Occidental	4-19
		5-14
4/26	CMS	1-18
4/27	CMS	0-19
		3-24
5/3	LaVerne	1-1
5/4	LaVerne	0-15
		0-14



# Men's Tennis Looks Promising

by Dan Pang

The 1991 Caltech tennis team started the new season with a new coach, new team shirts, and a new attitude. Paul Coffman took the reigns when Mike Jackson stepped down to assistant coach to help develop the golf team.

With the help of new team shirts designed by Junior Chris Ho that became the talk of SCIAC, inspirational pep talks from Senior Bappa Mukherji, and the addition of transfers Varavut Limpasuvan and Hubert Tai and freshman sensation Albert Lee, the Beavers were ready to take all comers.

In singles, Seniors Dan Pang and Hemant Keny shared the one and two spots, Albert was the mainstay at three. Junior Greg Wardle and Senior Bappa Mukherji played four and five for Caltech, and the sixth position was shared by Juniors Hubert, Varavut, Chris, and Rob Liu. Sophomores Kevin Wang and Chad Roberts, and freshman Seiya Fukuda.

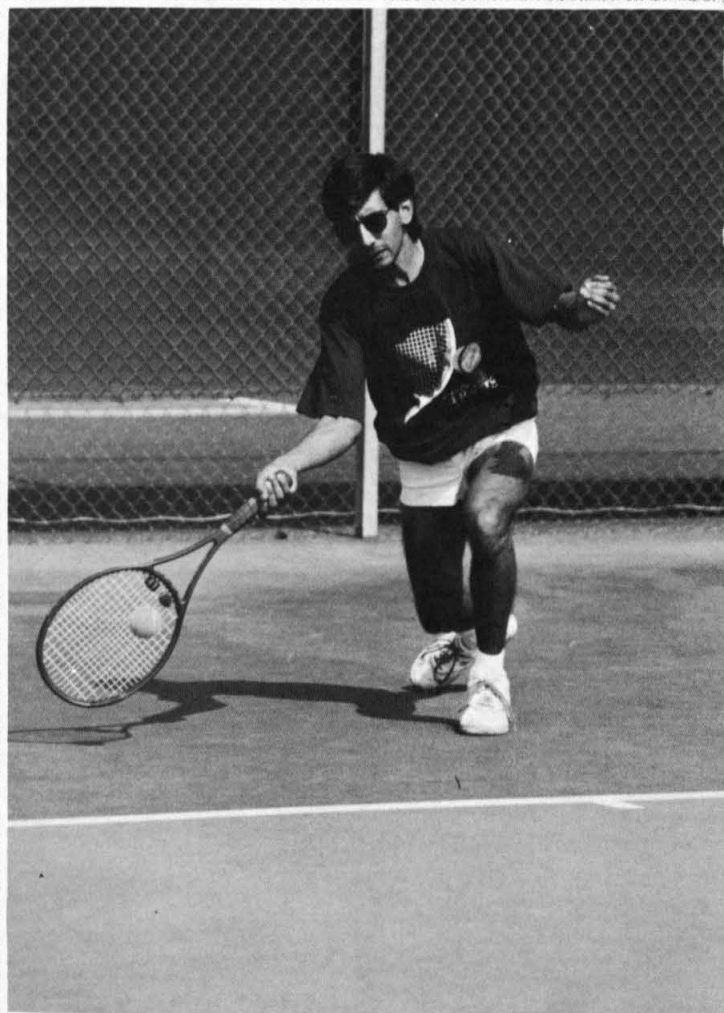
In doubles, Hemant and Varavut shared the one and two spots with Dan and Albert, while third doubles were occupied by combinations of Senior Jimmy Ng, Juniors Chris and Hubert, and Sophomore Danny Chu.

The team played well and fought hard for wins, gaining victories over LaVerne and Whittier. Personal highlights include Greg's triumph over LaVerne's wandering #1 player, and Hemants 7-6, 1-6, 7-5 victory over Oxy's #2 player.

At SCIACs, the Beavers gained easy victories over LaVerne and Whittier, but hit stone walls when confronted with the likes of Claremont-Mudd and Pomona-Pitzer. In the end, the Beaver's tied for 5th with Whittier.

Although Coach Coffman will lose four varsity seniors, the future looks bright for the team as there remains a deep pool of talented players. This in addition to an infusion of freshmen and transfers will enable the team to be more competitive in the years to come.

Right: You can't go wrong when you bend your knees as Bappa demonstrates.



## Men's Tennis Scoreboard

2/2	So. Cal College	4-5
2/13	Redlands	1-8
2/16	Occidental	1-8
2/20	Pomona-Pitzer	0-9
2/23	LaVerne	8-1
2/27	CMS	0-9
3/2	Cal Lutheran	0-9
3/6	Pomona-Pitzer	0-9
3/9	Whittier	4-5
4/6	So. Cal College	3-6
4/10	Occidental	0-9
4/13	CMS	0-9
4/17	LaVerne	9-0
4/20	Whittier	8-1
4/24	Cal Lutheran	1-8
4/27	Faculty	1-8
5/1	Redlands	0-9



Back: (Left to Right) Sonny Arcella, Kevin Wang, Hubert Tai, Co-Captain Hemant Keny, Captain Dan Pang, Coach Coffman. Front: Chris Ho, Albert Lee, Jimmy Ng, Greg Wardle. Not Pictured: Bappa Mukherji, Robert Liu, Danny Chu, Seiya Fukuda, Varavut Limpasuvan, Chad Roberts, Antonio Rangel



# Women's Tennis: A Class Act

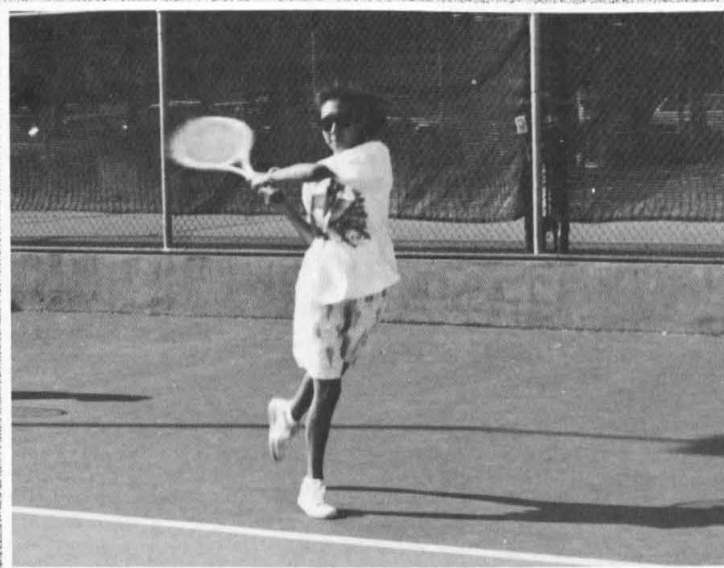
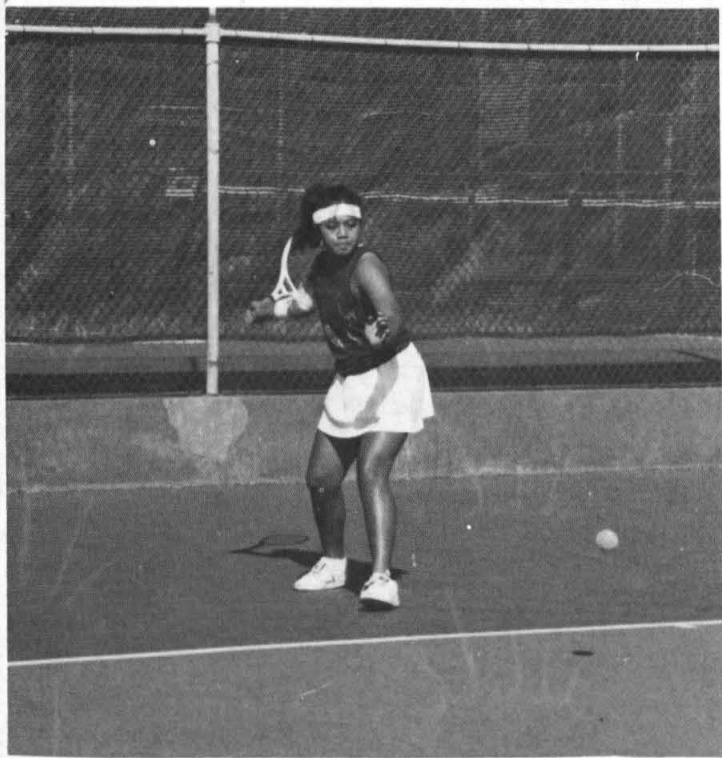
by Coach Karen Nilsen

The Caltech women's tennis team enjoyed a successful season in 1991. In February, the team travelled to San Diego, bringing home a 1-1 record on their first road-trip. In SCIAC competition, Caltech toppled Whittier in both dual matches, gaining the Beavers a 6th place finish. The team was presented the first annual SCIAC Team

Sportsmanship Award, voted on by all conference schools.

Individual awards include: Junior Nancy Hua, Most Valuable Player; Freshman Jill Bush, Most Improved Player and Players' Award; and Junior Fiona Lo, Coach's Award. Recognition also goes out to our only senior, Alecia Chen.

Congratulations on a fantastic season, "WILD WOMEN!"



The Monicas demonstrate two fundamental strokes of tennis.



Back: (Left to Right) Coach Karen Nilsen, Captain Nancy Hua, Monica Silva, Jill Bush, Ingrid Rothenberg, Diane Wong, Yuchien-Kuo, Laura Hernandez. Front: Miran Rhoe, Garland Lee, Monica Oei, Karen Shih, Captain Fiona Lo

## Women's Tennis Scoreboard

1/30	CS S. Bernardino	2-7
2/1	Mt. San Jacinto	6-3
2/2	Pt. Loma	1-8
2/9	Mt. St. Mary's	8-1
2/13	Redlands	1-8
2/16	Occidental	0-9
2/19	PCC	3-6
2/20	Pomona-Pitzer	0-9
2/23	LaVerne	2-7
2/27	CMS	0-9
3/2	Cal Lutheran	1-8
3/6	Pomona-Pitzer	0-9
3/9	Whittier	7-2
4/6	CS S. Bernardino	2-7
4/10	Occidental	0-9
4/13	CMS	2-7
4/17	LaVerne	2-7
4/20	Whittier	8-1
4/24	Cal Lutheran	0-9
5/1	Redlands	1-8



# Track and Field

by Chris Campo

The 1991 Caltech Track and Field team saw an explosion of new talent coupled with the sharpening of old talent accompanied by an insurgence of new coaching enthusiasm. The new talent for the weightmen came in the form of freshman William Glenn. A discus specialist, Glenn showed much promise and earned many points for the team. He has thrown 128 feet in the discus and has a good chance of breaking the school record in the event and achieve an NCAA National Division III qualifying mark some time in his next three years at Caltech.

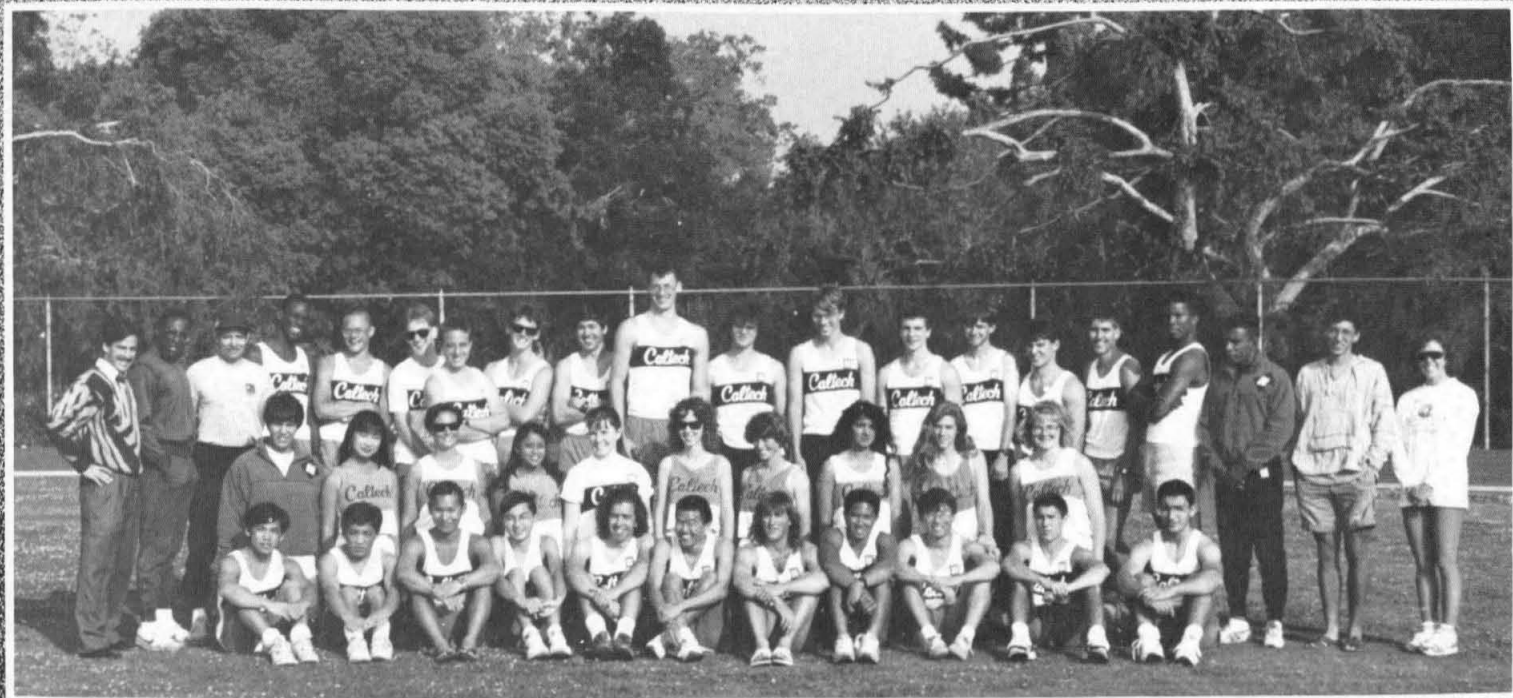
The middle distance squad was introduced to gutsy freshman Ned Bowden. Bowden, an inspiration to his teammates, specialized in the 1500 meter event in his first collegiate track and field season. Bowden posted an impressive 4:14 personal record, placing him just shy of an all-conference finish. Tech can expect lots of good things in the future from this tough-as-nails athlete.

For the sprinters, Gerard Ketefian was the new man on the scene. Ketefian proved to be formidable in the 100, 200, and 400

meter events and was an invaluable asset on Caltech's relay teams. Kay and Teru Miyake were a surprise addition of talent to the squad: twopole vaulters. The pair worked with vaulting coach Tim Meledy to achieve an impressive first season. Look for great things from them in the future.

Besides the explosion of new talent onto the scene, an infusion of new coaching blood breathed life into the talent which was already there. The arrival of Tony Reese, a decathlete from Washington, aided in improving the performances of Tech's sprinters, weightmen, and jumpers. Reese's coaching, coupled with that of new sprinting coach Frank Lytle, added to a recipe of talent and enthusiasm from the Beavers to produce a solid corps of athletes. The level of morale and sportsmanship among the sprinters in particular was higher than ever, and they pulled together to field a solid squad.

Junior Emmeline Naranjo came into her own this year. Once in the shadow of Caltech powerhouse sprinter Liz Warner, she developed into one of the hottest athletes Caltech has ever seen during this season. Emmeline, competing



Back: (left to right) Coach O'Brien, Tony Reese, Tim Meledy, Jack Prater, Ned Bowden, Gary Lastvedt, Kurt Storm, Rob Whitely, Greg Dudey, Bill Swanson, Brady Montz, Brian Trotter, Rich Baltzerson, Chris Campo, Jeff Martin, Scott Kuster, William Glenn, Frank Lytle, Aaron Matzner, Carolyn Beck Middle: Jennifer Remine, Kim Gin, Taletha Derrington, Emmeline Naranjo, Betsy Barton, Kati Hodsdon, Liz Warner, Sofia Akber, Alnee Smith, Jeanmarie Gumbel Front: Teru Miyake, Kay Miyake, John Pham, Mike Wong, Bill Bradley, Mike Ida, Dave Ross, Ryan Koone, Steve Chang, Ellis Eckland, Gerard Ketefian Not Pictured: Steve Harkness





## Men's Scoreboard

2/9	<b>Caltech Invitational I</b>	
	Caltech	120
	CMS	246
	Biola	74
	LaVerne	10
2/23	Occidental	35-123
	Whittier	97-59
	Redlands	67-85
3/2	CMS	25-131
	Pomona-Pitzer	25-136
3/9	<b>Caltech Invitational II</b>	
	Caltech	139.5
	Cal Lutheran	103
	Biola	131.5
	Whittier	108
	LaVerne	22
	Christ College	26
	Masters	9
	So. Cal College	6
4/6	<b>Caltech Invitational III</b>	
	Caltech	173
	Australia	128
	Whittier	116
	Christ College	34
	Westmont	21
	So. Cal College	12
4/20	Cal Lutheran	105-43
	LaVerne	128-20
	Occidental	60-98

## Women's Scoreboard

2/9	<b>Caltech Invitational I</b>	
	Caltech	88
	CMS	121
	Cal Lutheran	114
	Biola	48
	LaVerne	10
2/23	Occidental	31-90
	Whittier	61-62
	Redlands	10-83
3/2	CMS	30-97
	Pomona-Pitzer	20-109
3/9	<b>Caltech Invitational II</b>	
	Caltech	57
	Cal Lutheran	175.5
	Biola	109
	Whittier	50
	LaVerne	39
	Christ College	37.5
	Masters	0
4/6	<b>Caltech Invitational III</b>	
	Caltech	76
	Australia	235
	Whittier	68
	Christ College	28
	Westmont	19
	Masters	0
4/20	Cal Lutheran	36-91
	LaVerne	82-16
	Occidental	42-79



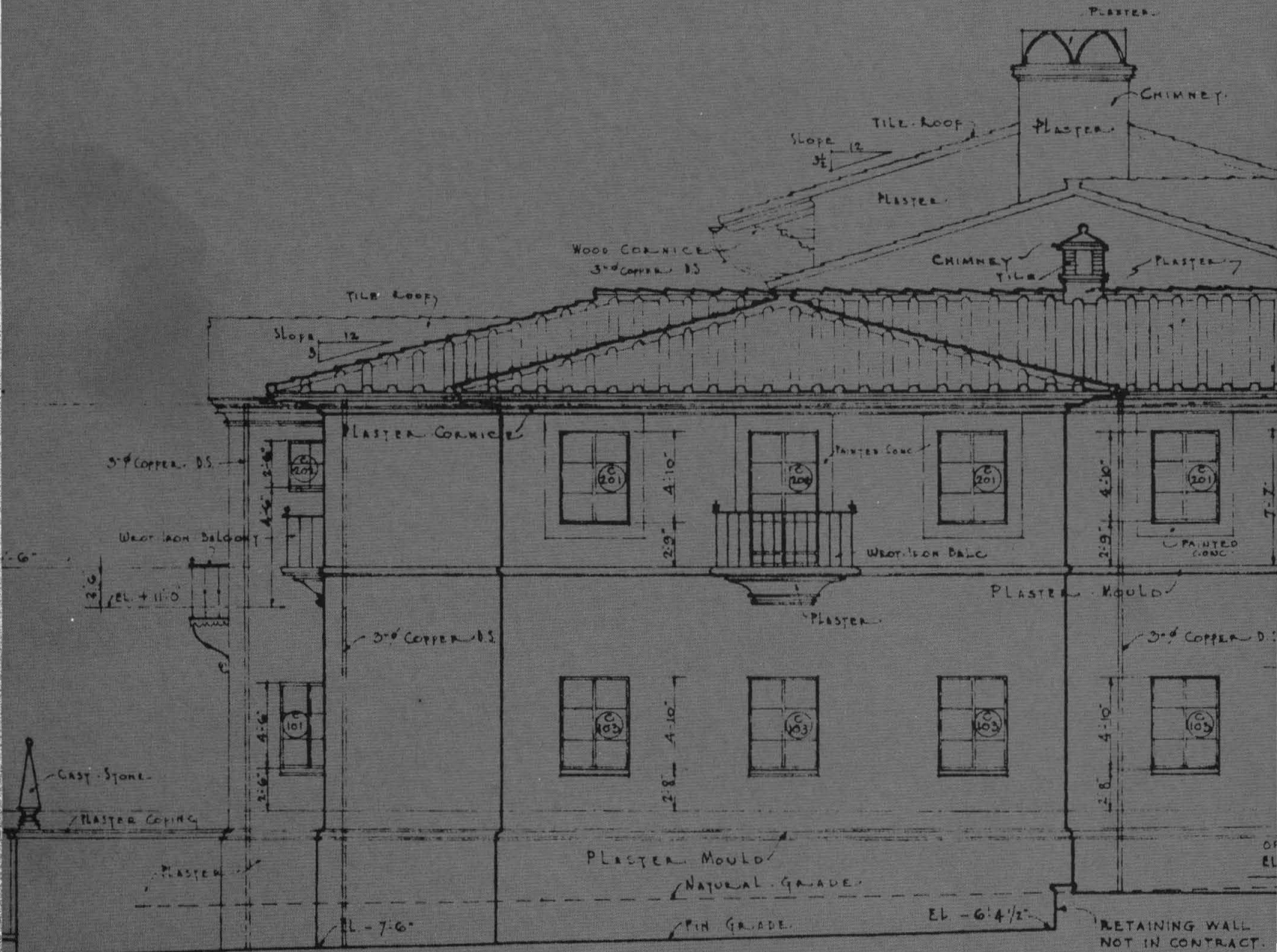
well in a large variety of events, chose to specialize in hurdle races. Her school record 16.6 seconds in the 100-meter hurdles, and her 69 seconds and all-conference placing in the 400-meter hurdles distinguished her as one of the stars of the Caltech team.

Emmeline's male counterpart was sophomore hurdler Greg Ducey. Like Emmeline, Ducey was proficient in a large number of events but chose to specialize in hurdle races. He posted a time of 57 seconds in the 400 hurdles, and blazed in a variety of other sprint

races including the 100 hurdles and the open 400-meter event throughout the season. An early season hand injury kept Ducey from competing in another event of specialty for him, the pole vault, until the end of the season. Greg managed an all-conference finish in the event in spite of having not competed in the event all season.

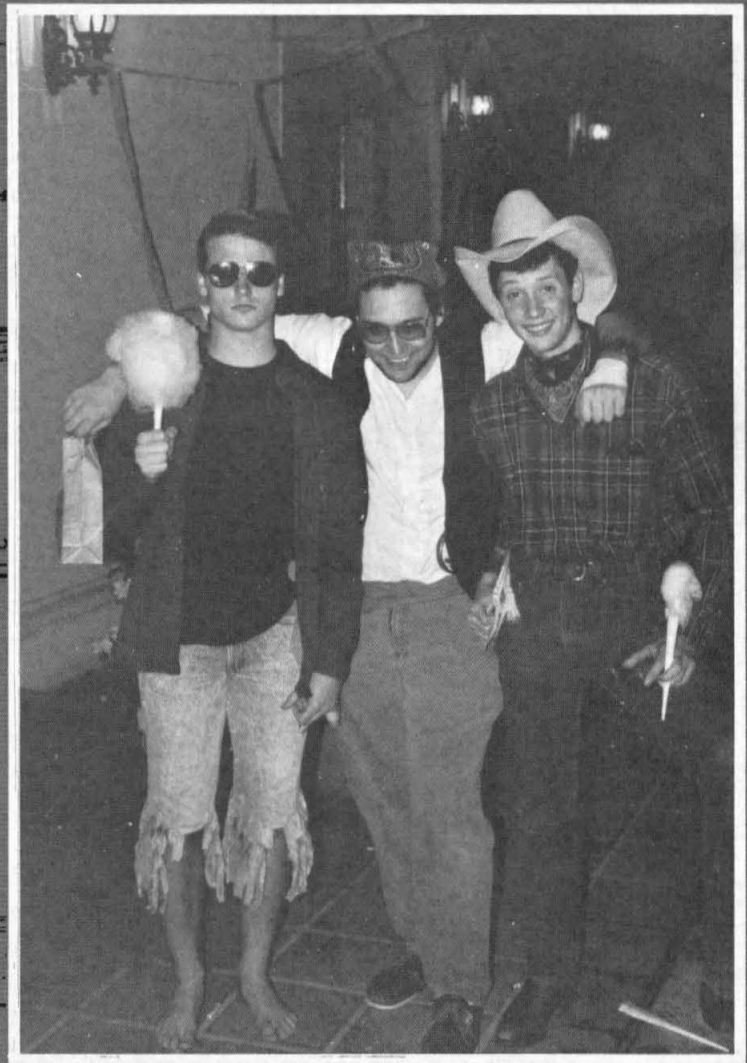
Along with Greg and Emmeline, returning sprinters Liz Warner, Brady Montz, Rob Whately combined with jumpers Jack Prater and Gary Eastved to field a formidable squad this year.





EXPERT OF CONTRACT





BLACKER

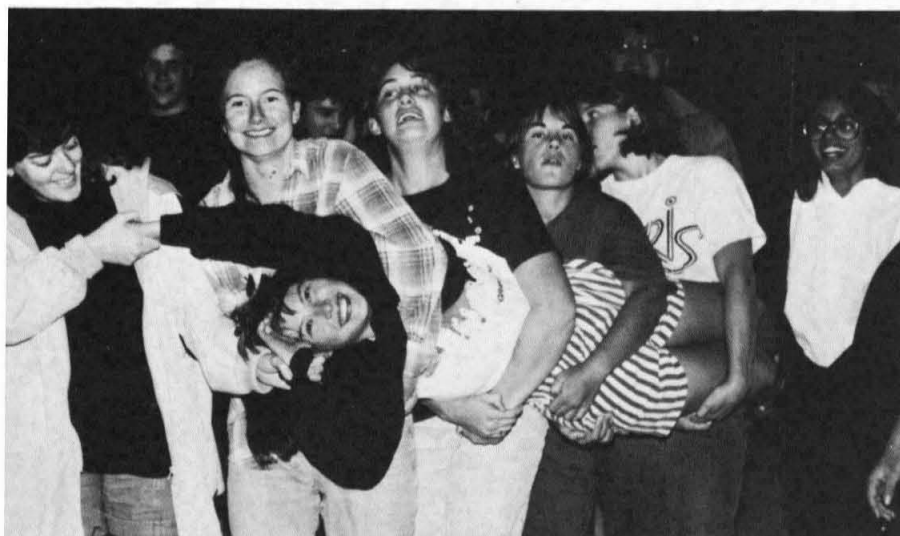


## Welcome to Blacker House, Frosh. It's Not What You Expected!

Blacker has had a year filled with the unexpected for both the frosh and the upperclassmen. The frosh got the usual surprises from Black Monday, the Lounge Run, and the Black Hand. However, for the first time, the Shitkickers of Antioch made a *very* brief appearance.

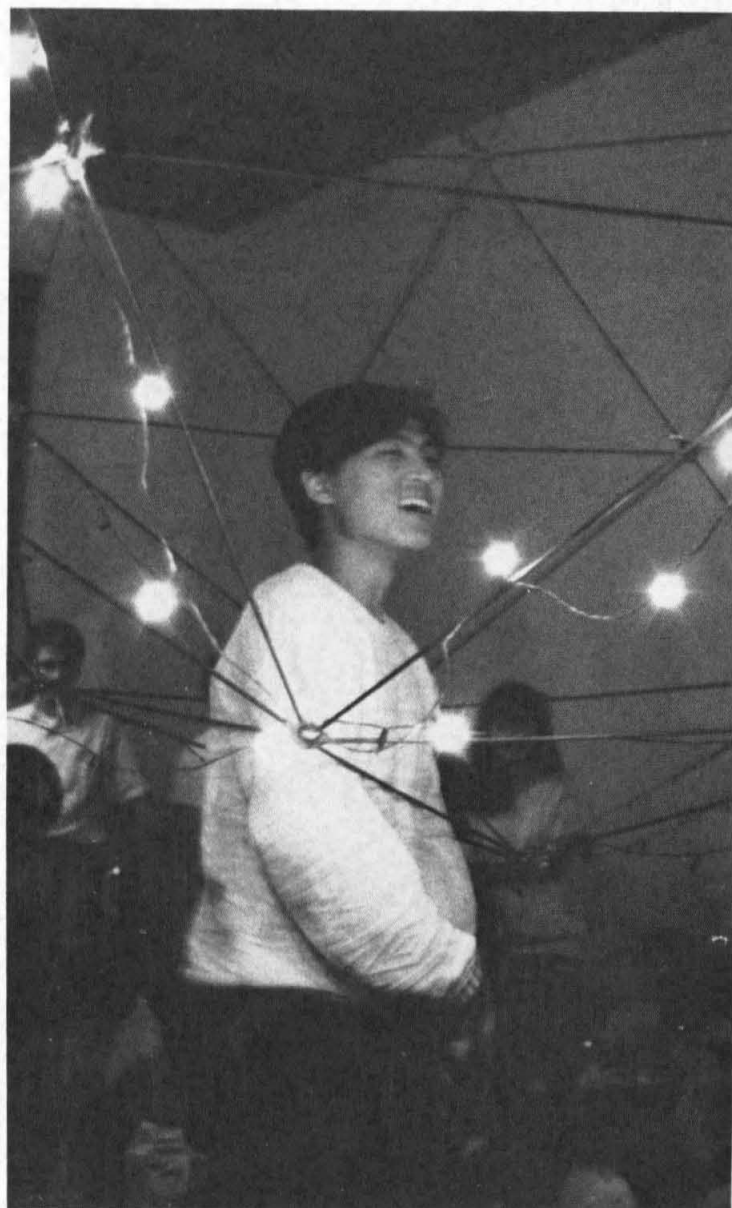
The frosh, displaying unusual energy, engaged in a plethora of pranks. The most spectacular was Petunia the Whale, which served as the first term frosh work project; a new tradition created by Bill Greene.

This group of frosh proved, even to themselves, that a wet frosh is a happy frosh. Between vigorous showering wars and incredible Super-soaker water wars in Cannes, everyone got the chance to be extremely happy.



Andrea gets ponded for winning the Blacker House Presidency.

Gretchen, JM, and Speck pause during a showering frenzy.







Dave Kim's dramatic last entrance as President of Blacker House. If you look closely you can see the new President's jacket that Dave bought for the House.



Near and Joe are wild, not mild, during Wild Man Weekend # 1. "Double Grrr! Bacon!"

Who is Celina's new friend? That couldn't possibly be Bill? Could it?



Alice ponders whether participation is to her best interest during Parti-Gras.

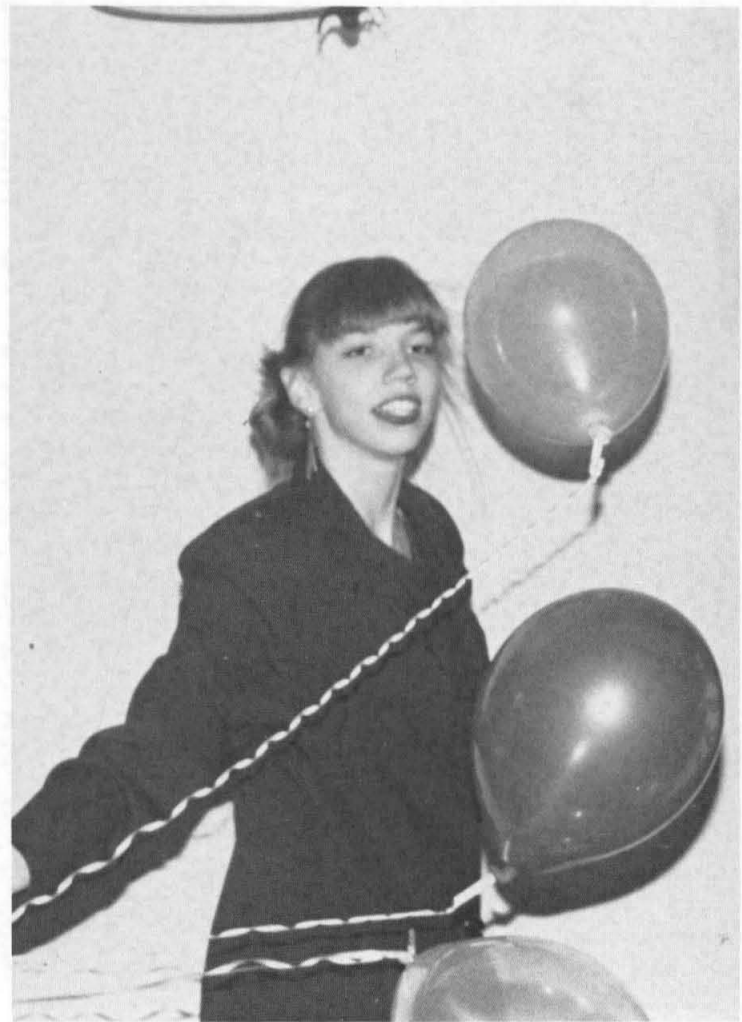
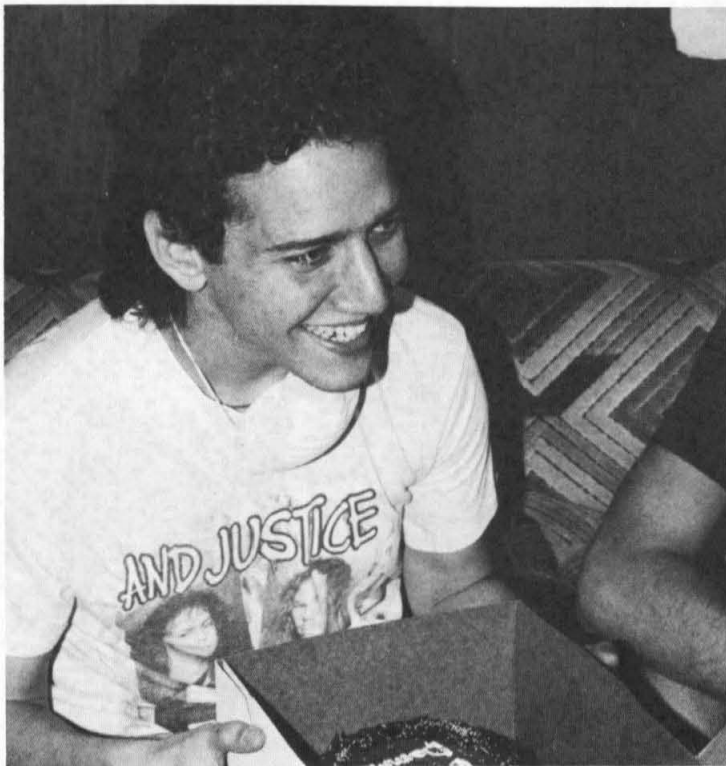
Division over DAPAC policy brings Pete Dussin to the height of popularity.



## Let's Party

Moles decided to come out of their holes and be social this year, on a fairly regular basis. Both social teams put on numerous parties. First term's team, staying well within DAYPAC policy, brought us, most memorably, the 80's Revival Party, and the Party at Ground Zero. The new social team tested the bounds of DAYPAC, bringing us the Picket Party, and an unforgettable BDR, among many others.

In a bid to have an administration approved seven house party, Blacker hosted Pardi-Gras. People got a chance to build carnival props, dress up in costume, and listen to some of Caltech's own bands. Representing Blacker were "Firefly", "Hisboy Elroy", and "Squad 69" performed.

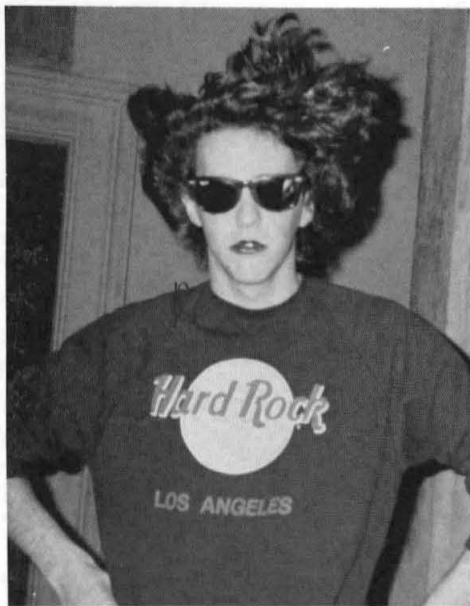




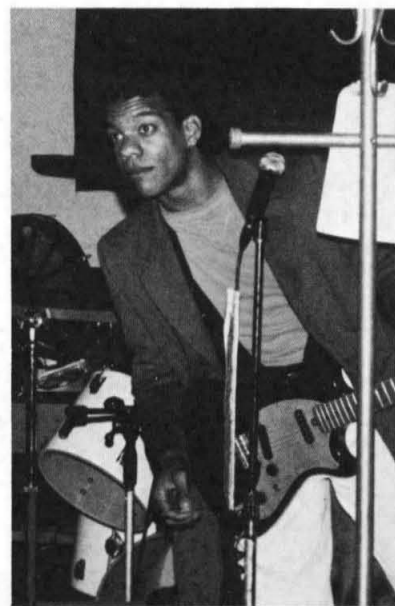


Anna dances the night away while Hoyt tries to get at that hard to reach itch.

Lance tries the big hair look at Party at Ground Zero. "You are what you listen to."



Mbuyi plays for his band "Firefly"



The X-man serves up X-Zoo juice at the Picket Party.

Jay passes on his mother's bartending secrets.

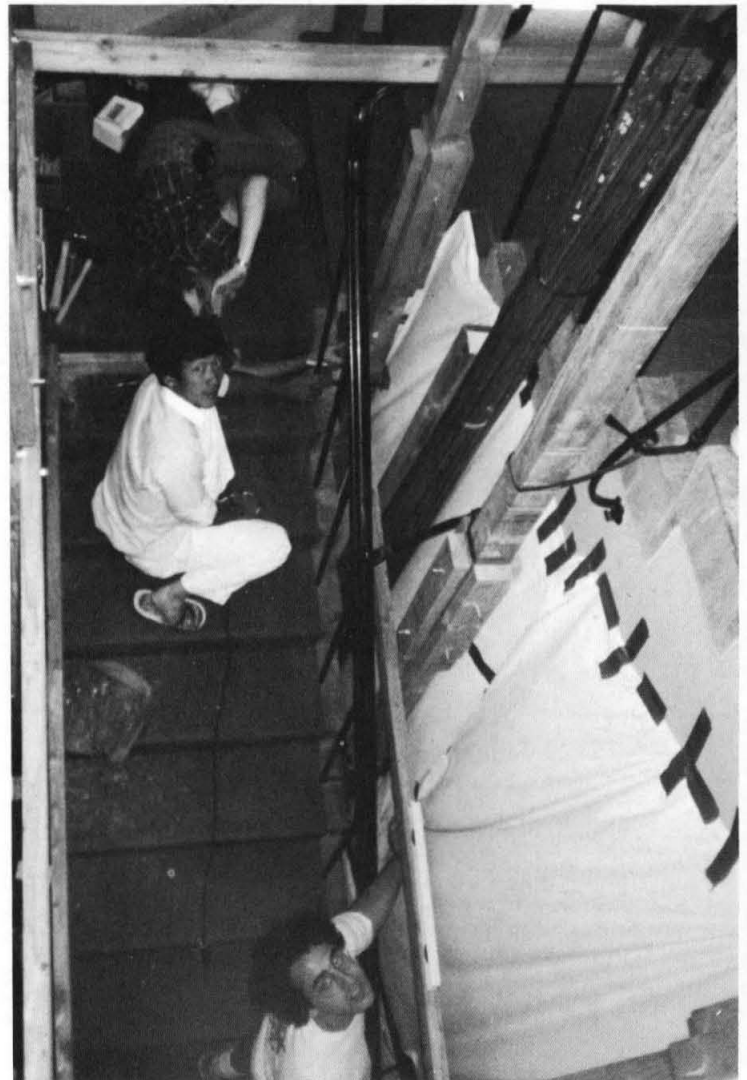




The look for engineers everywhere: Do you want to build something cool? Start out right - start by wearing flannel.



"Wait , run that by me again. We're going to put a *what* into Millikan Pond?"



"Seniors Only" The beginnings of the 3-D maze in Pub stairwell.



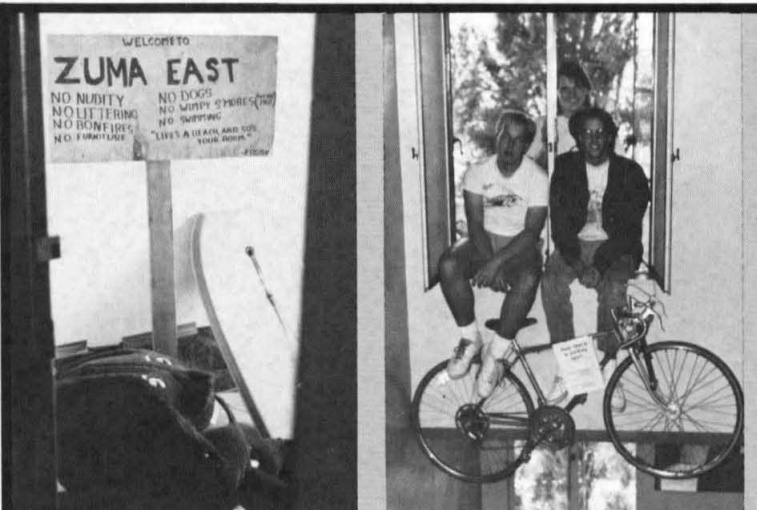


## Blacker Engineering

Blacker Engineering had an incredibly prolific year with at least one major project per term. First term, Petunia the Whale was transported to Millikan Pond where she flipped her tail and rolled her eyes for about a week. Second term saw the construction of Pardi-Gras props, including a courtyard spanning net, a whumpding, various booths, and a wheel of misfortune.

Third term surpassed all the others. The Senior division worked on a 3-D maze to fill the Pub stairwell. With the supervision of Max Baumert, it had five levels and could have supported 20 people at a time. Meanwhile, the freshman division transformed Harry Gray's office into a miniature golf course. Harry played with it for most of the term.

By far the most difficult challenge for Blacker Engineering was the problem of getting Stephanie "I'll get married when Hell freezes over" Buck hitched. With some freon, a lot of cold water, and Mike Ricci's supervision, wedding bells were soon ringing for Stephanie and Miikka. After the ceremony, Moles amused themselves by sliding around on the ice rink and playing broomball.



## A Portfolio of Smaller Projects

Life's a beach and so was Fru's room as it was transformed into Zuma East.

The frosh found a new, truly secure, bike rack. "Now that's a parking spot !"

Need a car freshener, Bevan? How's evergreen? You only need one application.

Todd and Fru pose before one of the holes in Harry Gray's miniature golf course.







**Seniors** Approximately Left to Right: **Being Molested:** Anna Yeakley; **MolestORs:** Steve Hwan, Pete Dussin; **Holding Hands and Dancing:** Mark Montague, Tanya Kurosky, Tom Fiola, Alice Lee, Max Baumert; **Holding a Pouch:** Allan Wong; **Playing Fiddle:** Eugene Lit; **Playing Cello-Guitar:** Rob Padula; **Drinking Beer:** Mark Vaughan, Jay Higley; **Looking on:** Sylvia Chin, Samantha Seaward, Celina Mikolajczak; **Being Excel-lant:** Ben Holland; **Not Able to Find Blue Face Paint in Time:** Marc Abel, Jinha Kim, Mike Ricci, Mark "Flash" Dinan, Ed Vail.



**Juniors** **Blacker Library Left Clockwise From Top Left:** Ian Agol, Anne-Jaeckel, Bonnie Wallace, Mike "Peas Know About Stephanie" Maxwell; **Pasadena Library First Row:** Andrea Mejia, Walker Aumann, Jerri Martin, Pam Katz-Rosten; **Second Row:** Hoyt Hudson, Chris Cusanza, Deepi Brar, Jerry Carter, Nye Liu, Stephanie Buck; **Third Row:** Lieven Leroy, Niel Brandt, Antony Chan, Adam Garrison, Noam Bernstein; **Blacker Library Right Clockwise From Top Left:** Kevin Archie, Pete Wenzel, Barbara Chang, Bruce Bell; **Not Pictured:** Graham MacNamara, Deron Walters, Jay Kubicky, Betty Pun.





**Frosh Front Row:** Sofia Akber, Rob Padula, Jennifer "Cat" Barts, Miikka "Miiiiikkkka" Kangas, Sarah "Griffin" Yoder, Sandee "Death Cookie" Perez, Henry Choi, Troy "Wild Man" Bassett, Joan Marie "JM" Gimbel, Xavier "X-Man" Bengoetxea, Marc Lopez; **Second Row:** Lance "Far" Larsh, Gary "Conan the Librarian" Olsen, Chandler McDowell, Near Margalit, Todd Rope, Seong-Min Kim, Jennifer Wei, Becky "Speck" Green, Gretchen Mullendore; **Third Row:** David "Bucky" Brandt, Chad Delaney, Mbuyi Kazadi, Bevan "Dog Boy" Bennett, Andrew "Skew" Lines, Mike "Mik" Pejic, Matt Johnson; **Not Pictured:** Suneal Chaudhary.



**Sophomores Front Row:** Jennifer Wright, Danny Chu, Bill Greene, Balasubramanian Girish, Jesus Mancilla, Brian Kurkoski, Peter McCann; **Second Row:** Andrew Lundsten, Clo Butcher, Karen Ross, Dan Frumin, Alan Kulawik, John Salmon, Dianna McMahon, Mike Nygard, Jennifer Messenger, Alex Rosser, Ben Smith; **Third Row:** Dave Skeie, Dave Krider, Jared Smith, Katy Quinn, Joe Andrieu; **Staring Off Into Space:** George Richard Benzinger III; **Not Pictured:** Kevin Kan, Susan Sheu, Mike Guadarrama, Anna George, Lindee Goh.



## Q: What Happens When a Mole Goes Into the Sun?

A: The Possibilities are Endless.

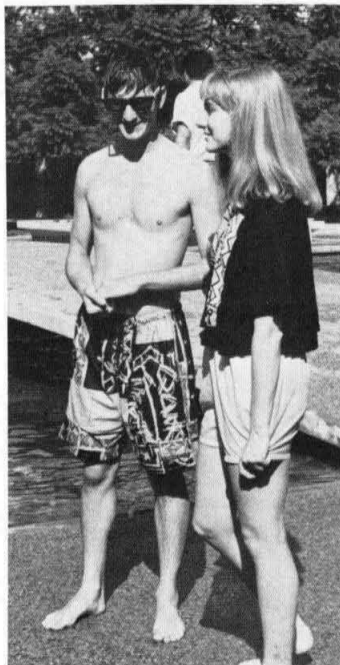
Southern California's sunny and mild climate encouraged plenty of outdoor recreation this year. There were water wars, a barbecue, the Forty-second Underground Cannes Kremlin Espionage Dance, Blacker Beach, Ditch Day, and the notorious Slip 'n' Slide

At other times Moles enjoyed Interhouse Sports, and numerous Ultimate and Badminton games. And, of course, there were plenty of trips to the beach.

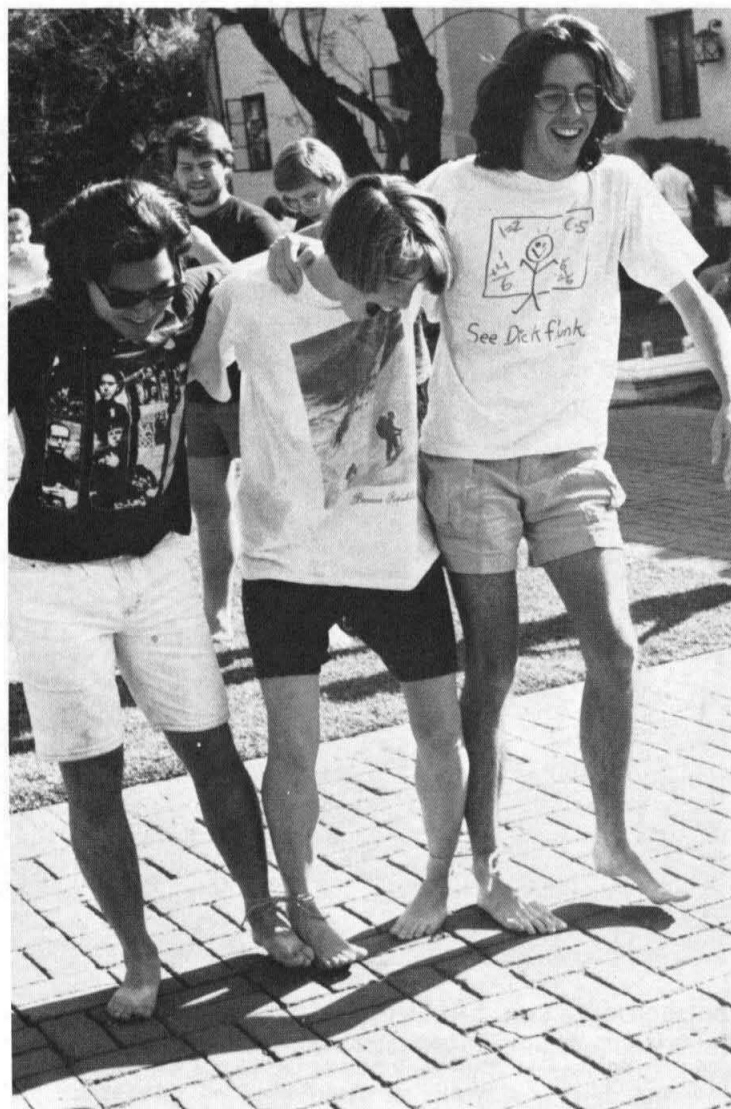
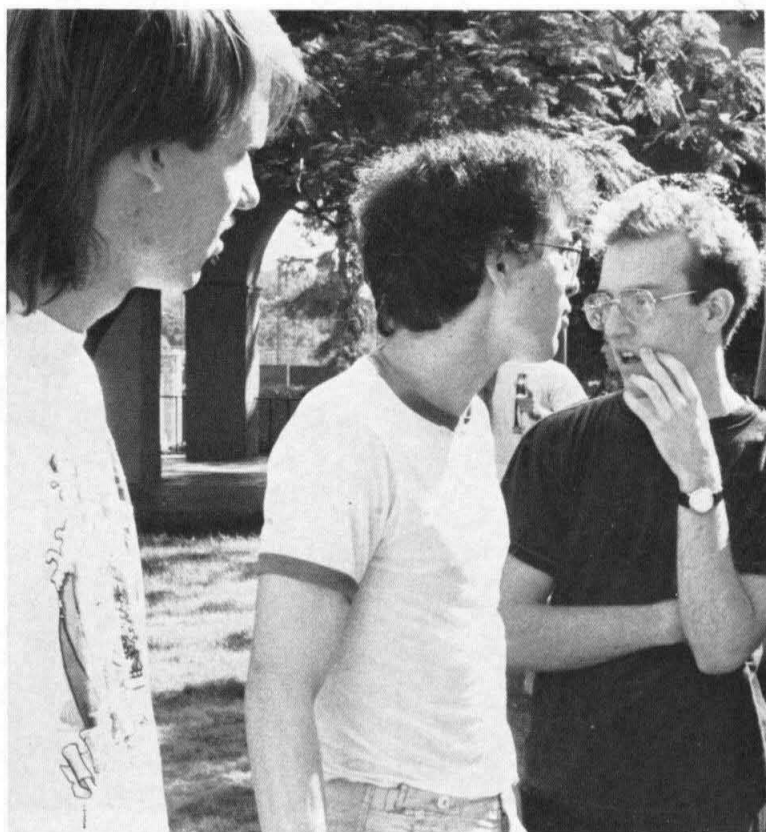


Water violence becomes a way of life when a large shipment of Super Soakers is delivered to "Greene's Guns".

"Should I throw her in or shouldn't I?"



Marc, Speck, and Lance say, "No need for 3-legged races."





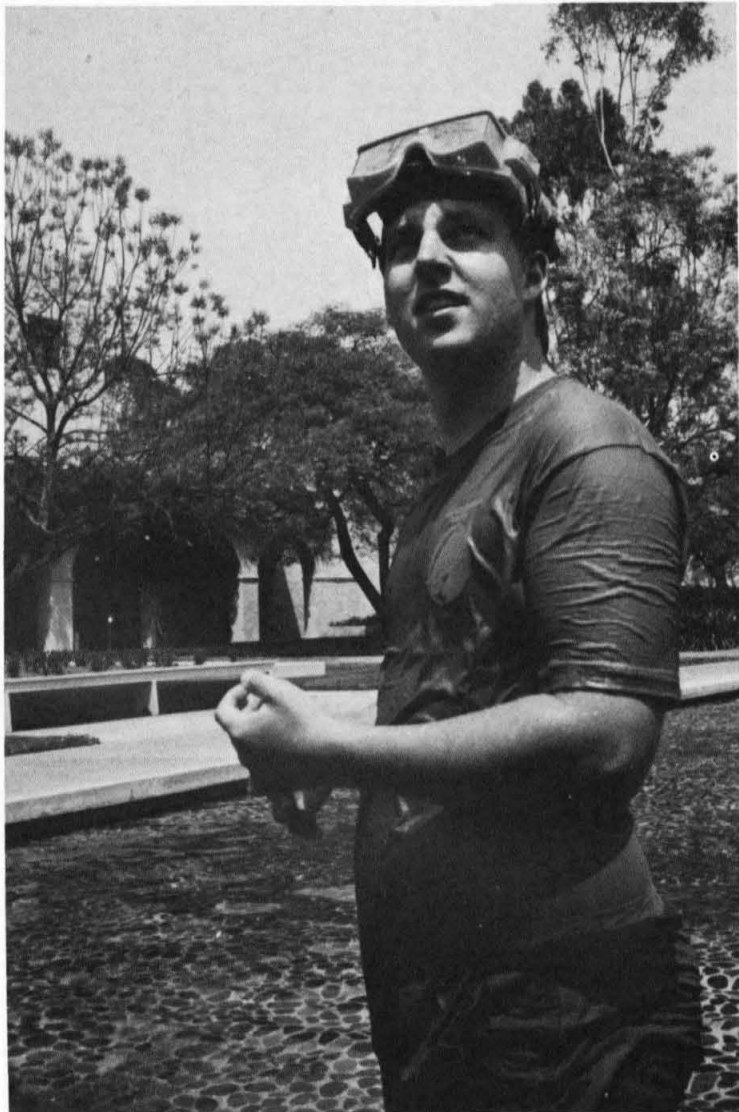


Seniors plan their strategy.



Xavier, Marc, Troy, and Sophia transmogrified into nerds by Ed Vail's Ditch Day Transmogrifier.

The water-balloon toss during the Blacker Beach Barbacue.

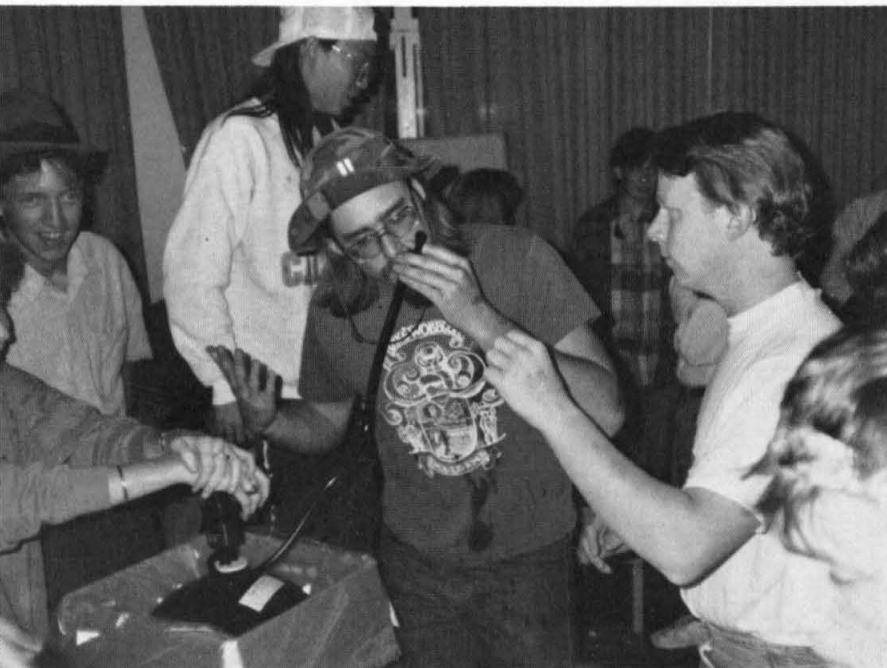


Bucky dives for Lucite fish in Millikan Pond. "Kind of hard to find aren't they?"



## Alley Challenges

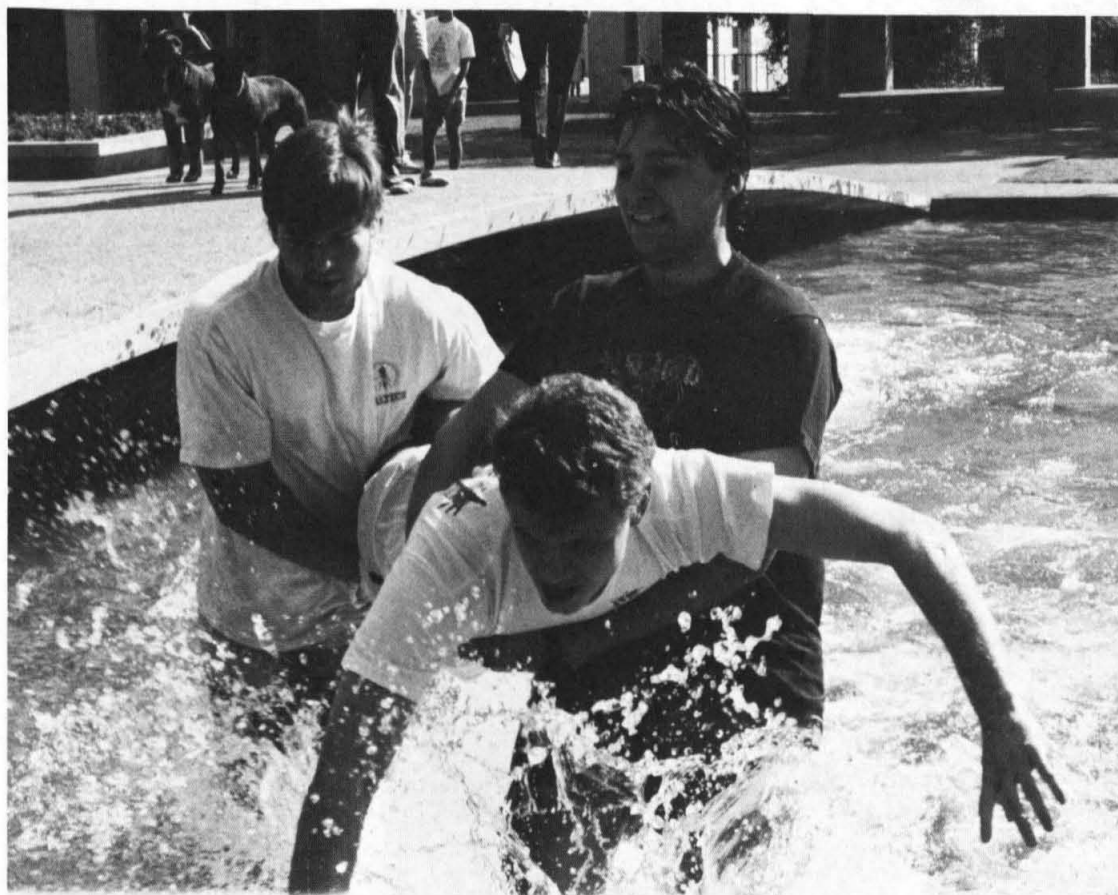
Pete Dussin began the year with an alley ordering that fulfilled all three of his criteria : "it should be fun, it should be wet, and it should be possible for someone to die." The ordering was followed by the Pumpkin Carving with Power Tools Munth - Hell challenge. Noam and Walker's Dining Room Food Sculpturing alley ordering was followed by the Tunnel - Ex-Veeps Kill the Keg and Video Wrestling challenge.



Ben sucks it down in the Kill the Keg competition with the bitter Ex-Veeps.

Upper left: a very bitter Ex-Veep.

"Gee, body surfing is so much easier when there are actually waves.







Pete Dussin loses his alley ordering.

The brute force Jack o' Lantern method.



Frosh proudly display their 30-second Jack 'o Lantern.





Deepi is Madame Zelda, fortune teller at Pardi-Gras.

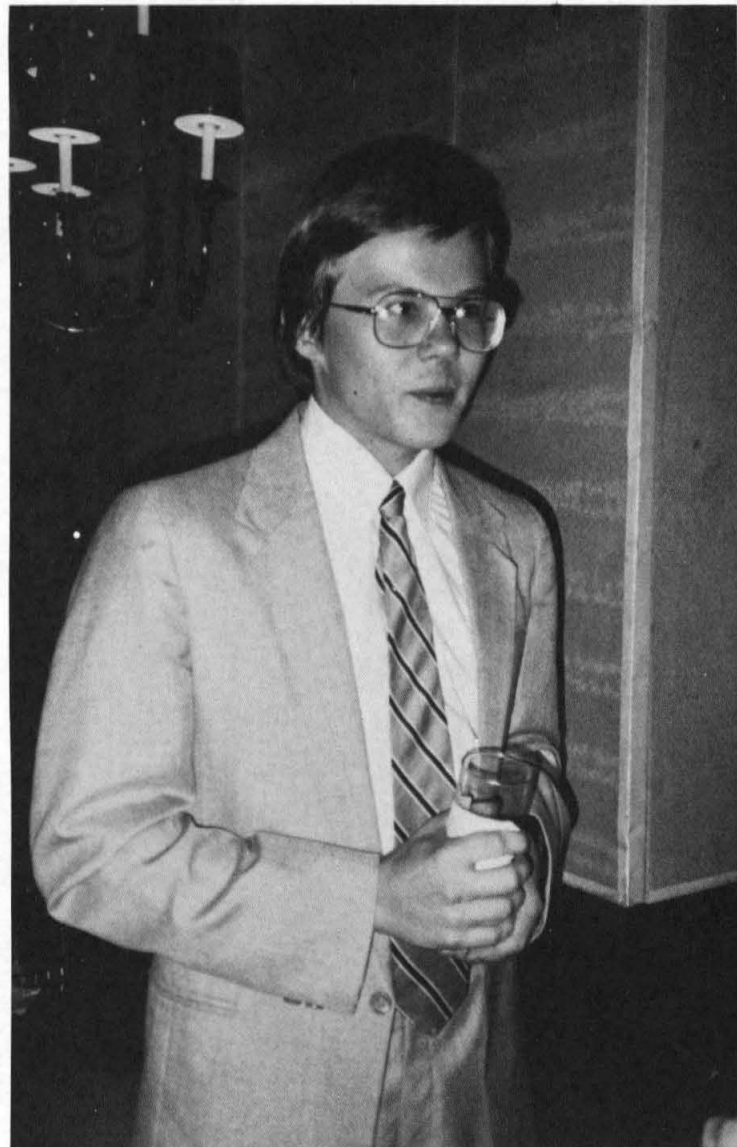


Moles dance at the ASCIT formal.



Bob escorts his two lovely dates Marcy and Xaviera.

Miikka Kangas observes the "hu-mans" in a formal environment.







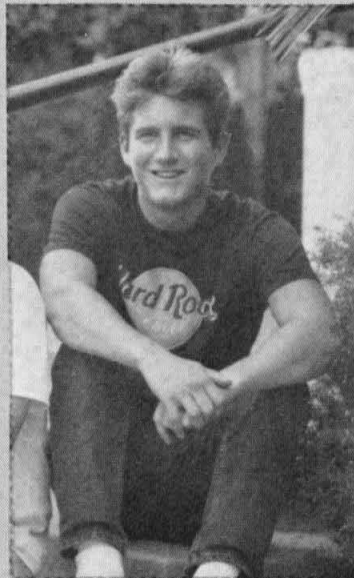
## The House of Gracious Living

Moles always enjoy the finer things in life. Wine Tasting and Fondue provided an opportunity for sampling superior vintages from around the world along with fine French fondues, while basking lazily by the Mosh's pool.

The ASCIT Formal attracted a large crowd of Moles dressed to the nines for dinner and dancing.

The POSH was a popular and enjoyable semi-formal dinner. Special thanks go to Tony Leonard for helping fund the event.

This year the Associates Tea attracted more alumni than ever due to Alumni Seminar Weekend. Guests were invited to partake of a large variety of confections and a variety of teas. Despite having limited time to prepare, Noam and Walker did an excellent job.



### Your Historians

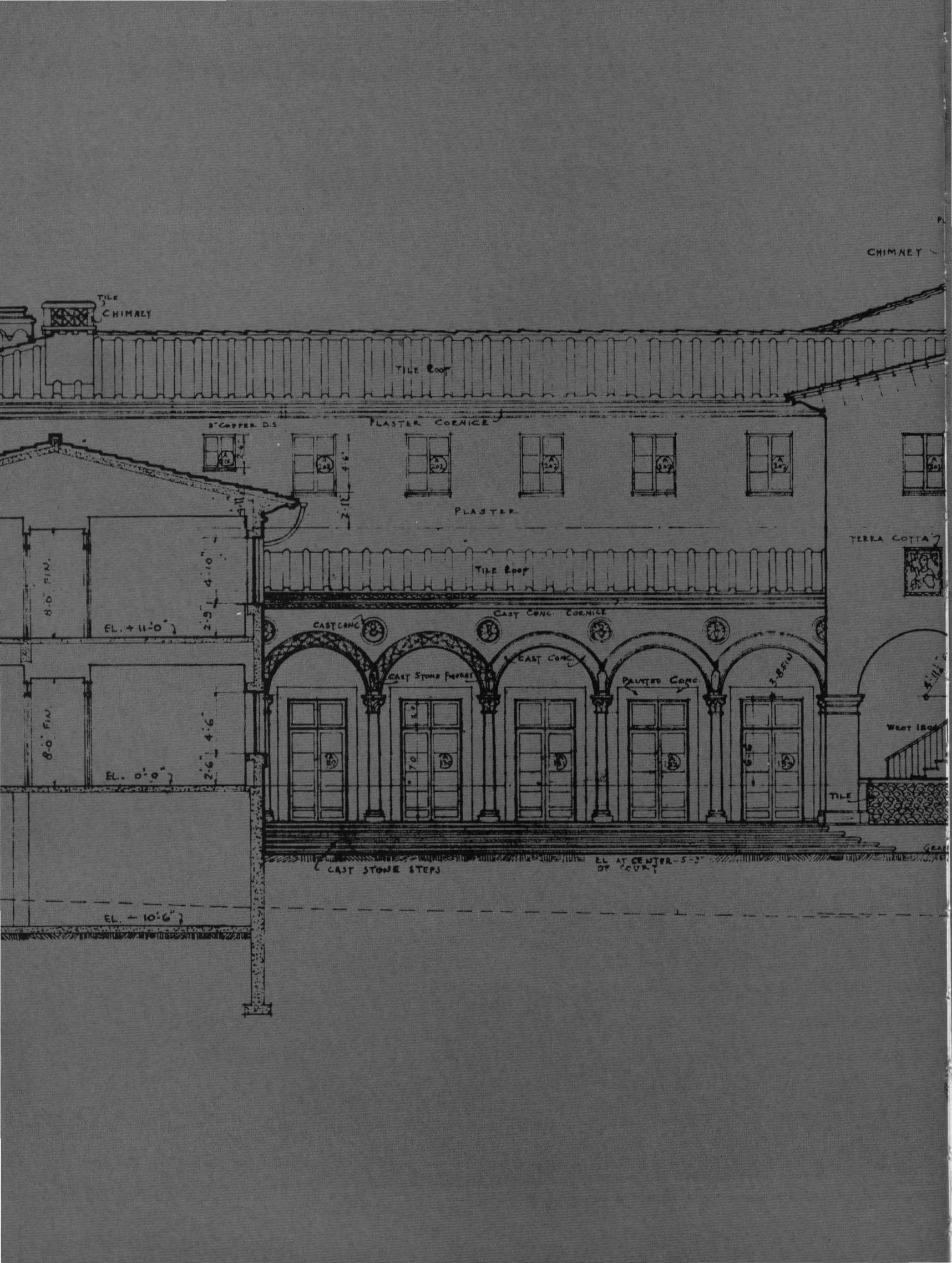
*Celina Mikolajczak*  
Celina Mikolajczak

*Mike Maxwell*  
Mike Maxwell

*Stephanie Buck*  
Stephanie Buck

With special thanks to everyone who contributed photographs, and to Allan Wong who helped write the text.





CHIMNEY

TILE CHIMNEY

TILE ROOF

8" COPPER D.S.

PLASTER CORNICE

PLASTER

TERRA COTTA

TILE ROOF

CAST CONG. CORNICE

CAST CONG.

CAST STONE FIGURES

CAST CONG.

PAINTED CONG.

3" BEAM

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CAST STONE STEPS

EL. AT CENTER 5'-3" OF COURT

EL. + 11'-0"

EL. 0'-0"

EL. - 10'-6"

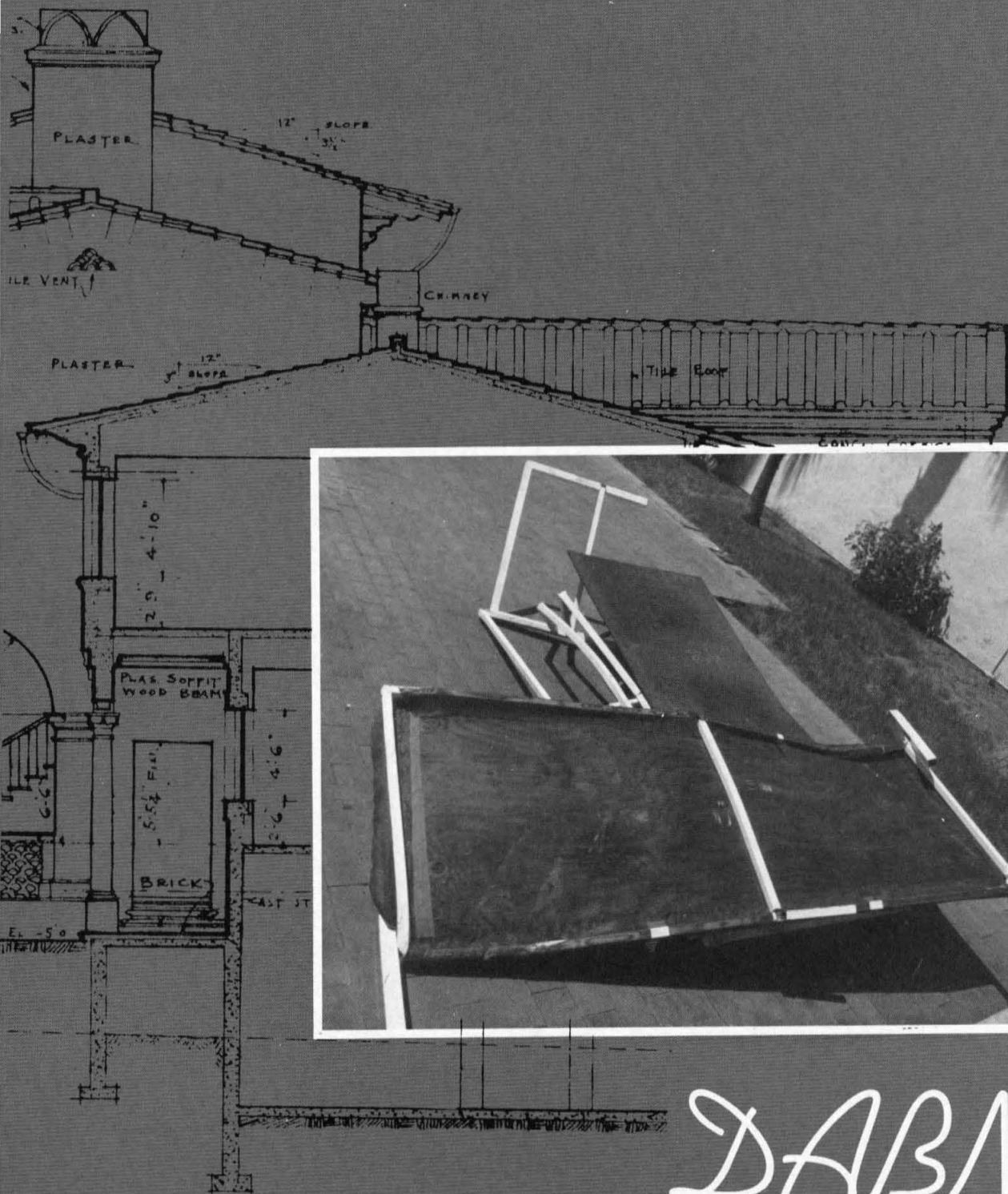
8'-0" FIN.

2'-9" 4'-10"

8'-0" FIN.

2'-6" 4'-6"





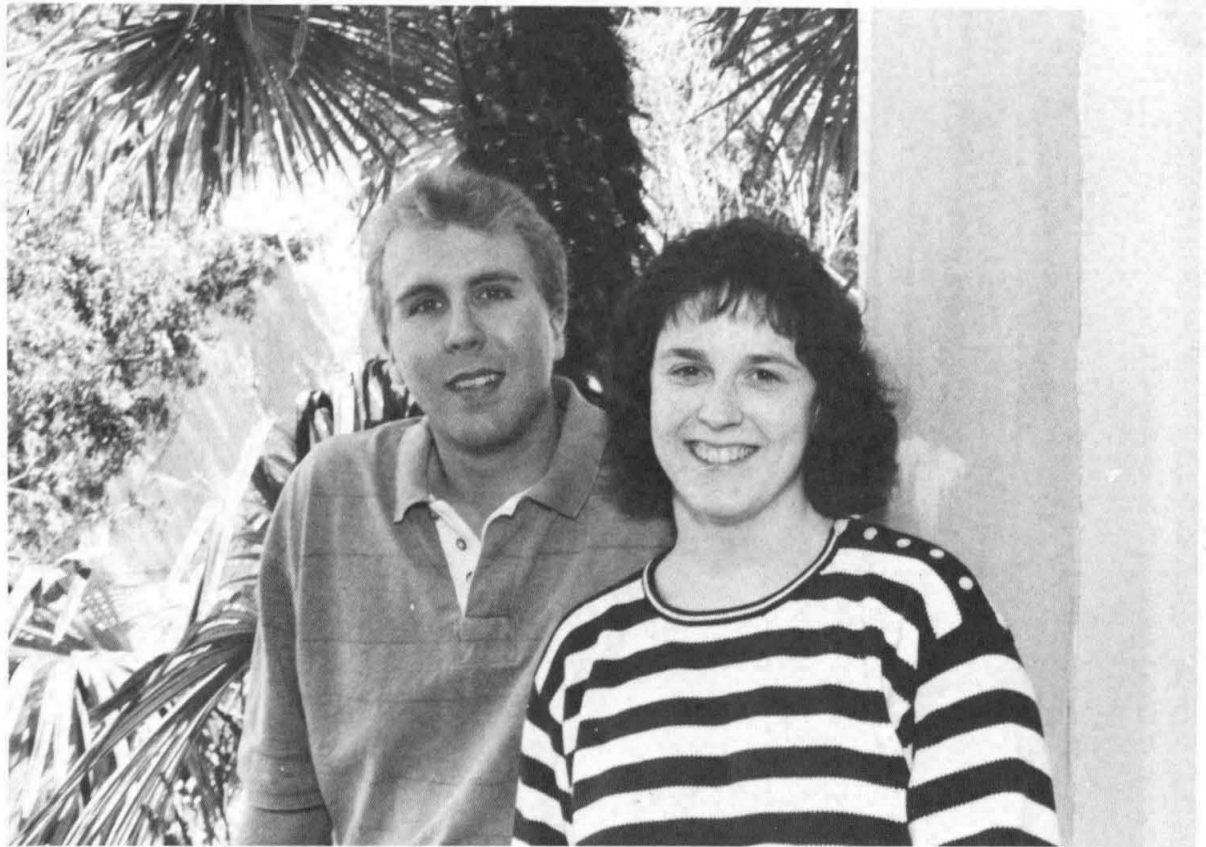
DABNEY



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**Len & Shelley Mueller**



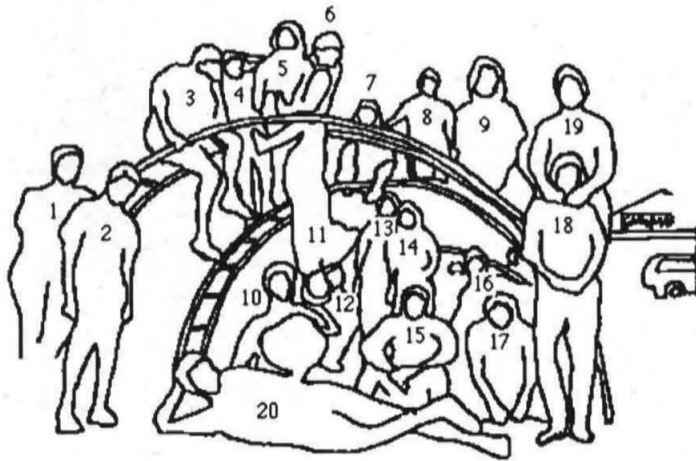


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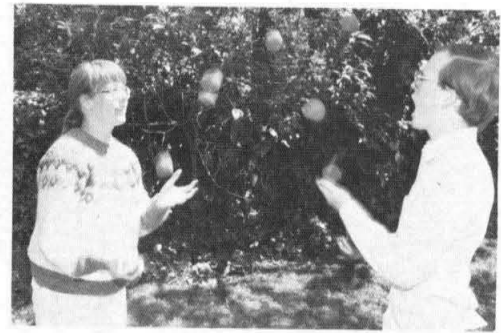
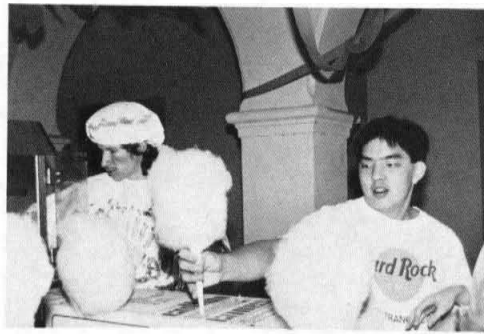
# FRESH MEN



1. Antonio Ramirez
2. Shreyas Vasanawala
3. Aaron Petty
4. Cynthia Machacek
5. Jim Murdoch
6. Paul Mineiro
7. Kim Hatch
8. Michael Harrison
9. Adalberto Erives
10. Alex Zeyliger
11. Laurent Stadler
12. Ahmed Abbas
13. Lawrence Shaufler
14. Denise Yamagata
15. Andrew Zug
16. Miguel Jordan
17. Jamie Sherman
18. Karen Bruner
19. Steven Fought
20. Jonathan Baker

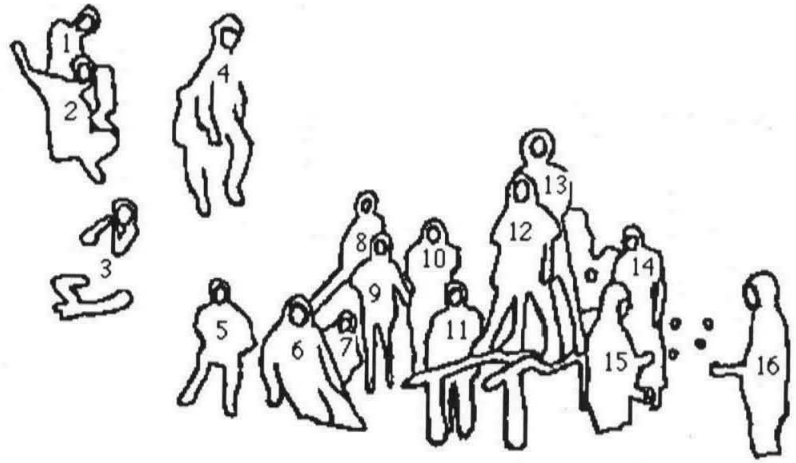






# SOPHOMORES

1. Jon Lange 2. Trux Fulton 3. Sayuri Desai  
 4. Stephen Heise 5. Rich Zitola 6. Brad Threatt  
 7. J. Alan Low 8. William Cesarotti 9. Riki Moilanen  
 10. Alf Mikula 11. Stephen Thompson 12. Amy Stern  
 13. Seth Noble 14. Betsy Marvit 15. Gabriela Mallen-Ornelas 16. William Watson

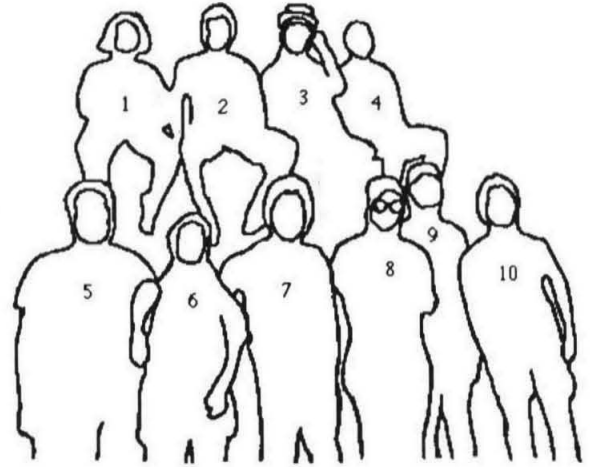




# JUNIORS



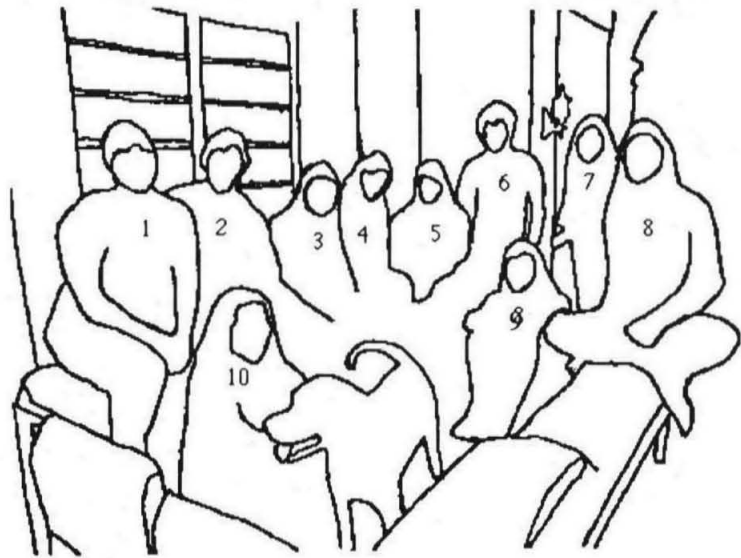
1. Pam Abshire
2. Rob Hanna
3. Bo Adler
4. Jon McGill
5. Jeremy Gollub
6. Rachel Schwartz
7. Marc Malek
8. Raghav Chari
9. Todd Allendorf
10. Chris Tully







1. Jackie Holmes
2. Alex Wein
3. Tien-Yee Chiu
4. Maneesh Sahani
5. Susan Howard
6. Pete Wyckoff
7. Erich Schneider
8. Robert Southworth
9. Eric Schell
10. Golda Bernstein



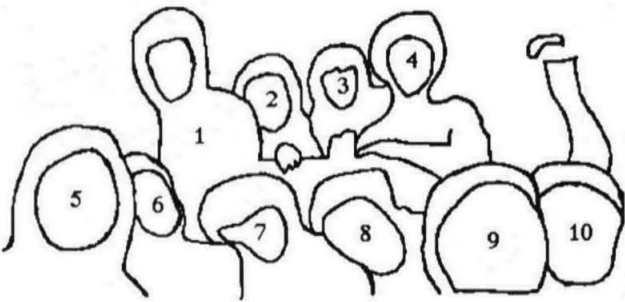
# SENIORS



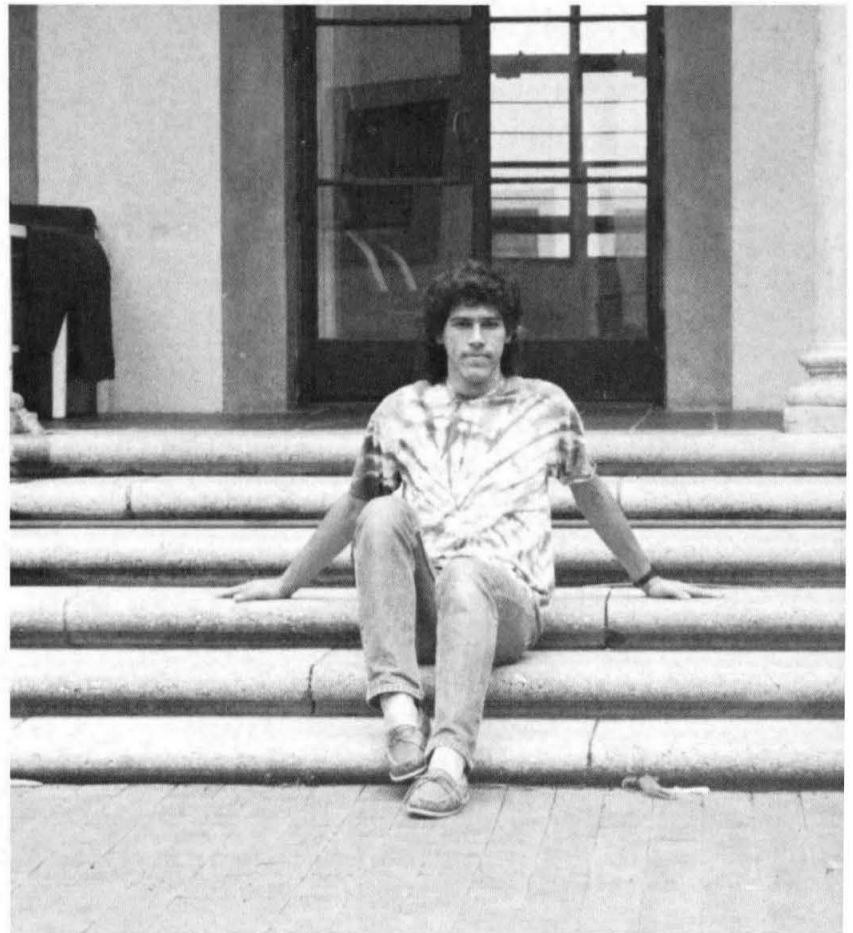




THE  
 ARTISTS



1. Yair Zadik
2. Patty Tsai
3. Jill Soha
4. Jose Garcia
5. Allen Knutson
6. Duke Ulmer
7. Laurent Stadler
8. Antonio Rangel
9. David Bourgeois
10. Dean Brettle



Dan Lipofsky



Reasons not to piss in the courtyard





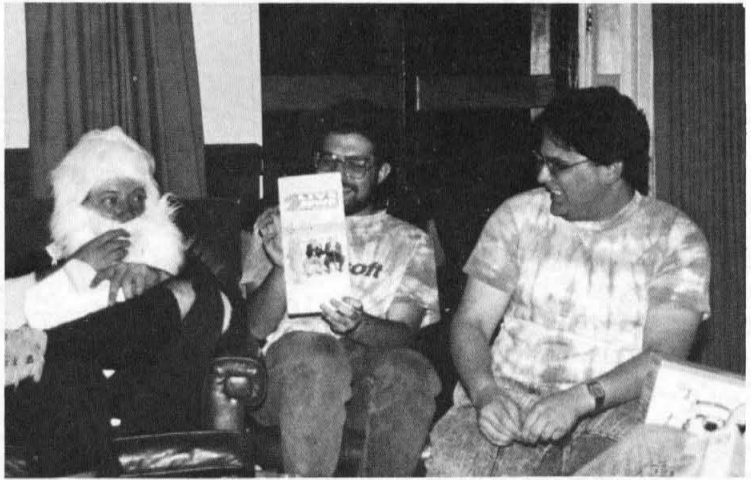
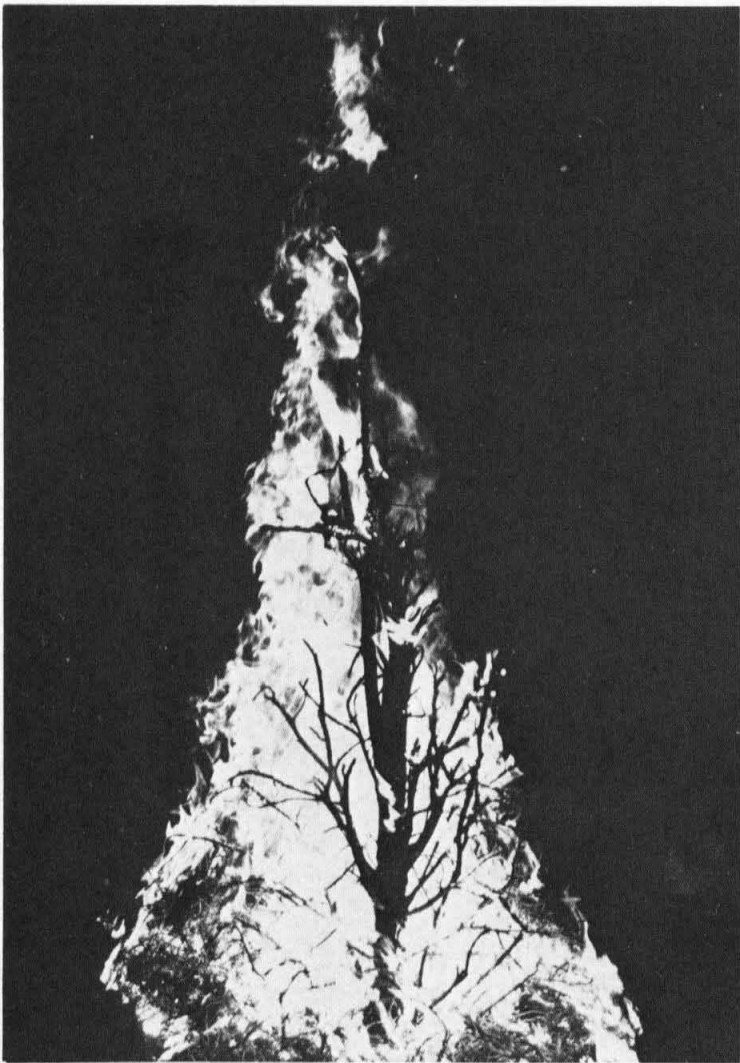
# CHRISTMAS







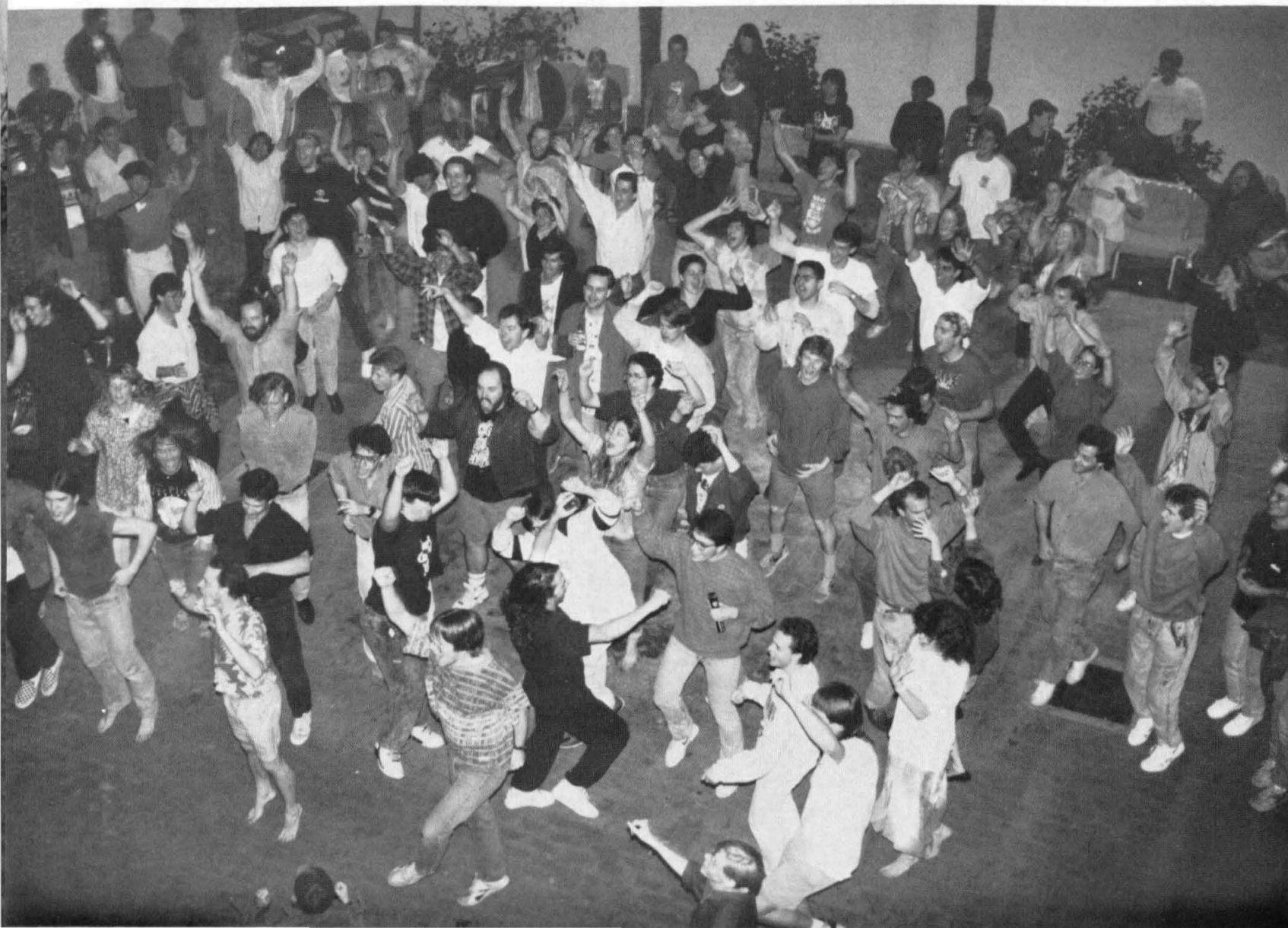
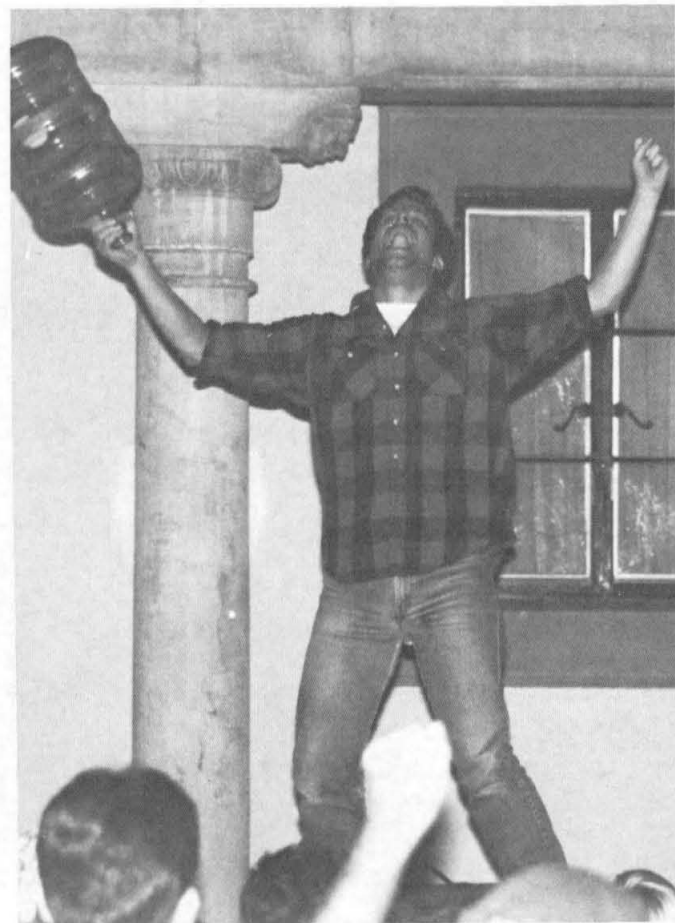
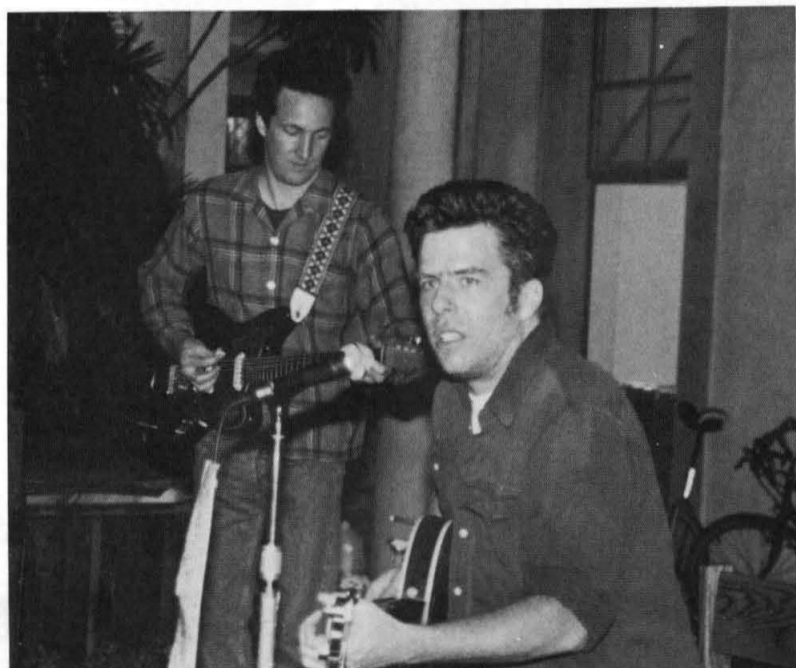
Winter at the Dabney House was greeted with the usual Christmas traditions; the Christmas party, Santa and his Elf, the gift exchange, and of course, the torching of the tree.



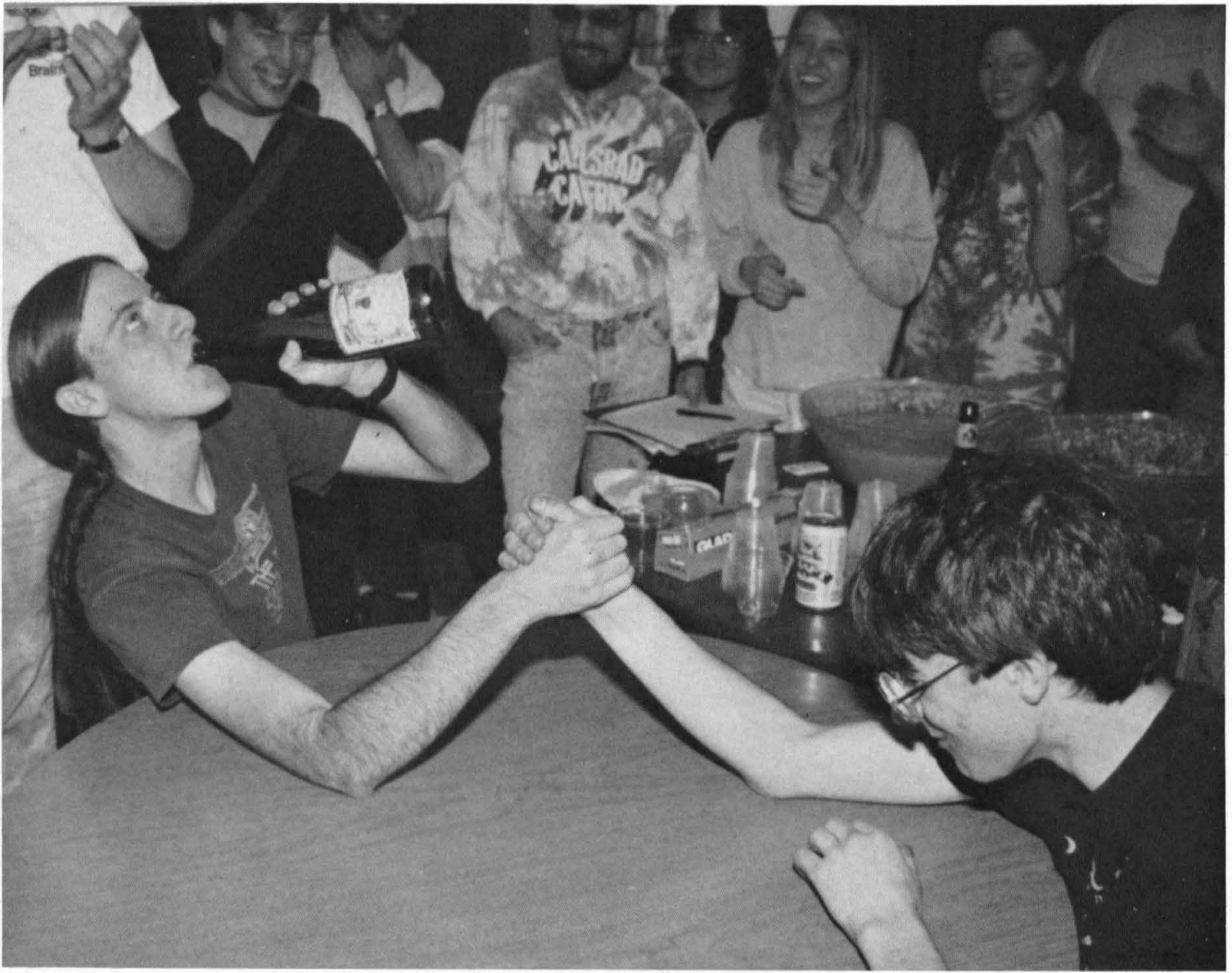


# Mojo Nixon

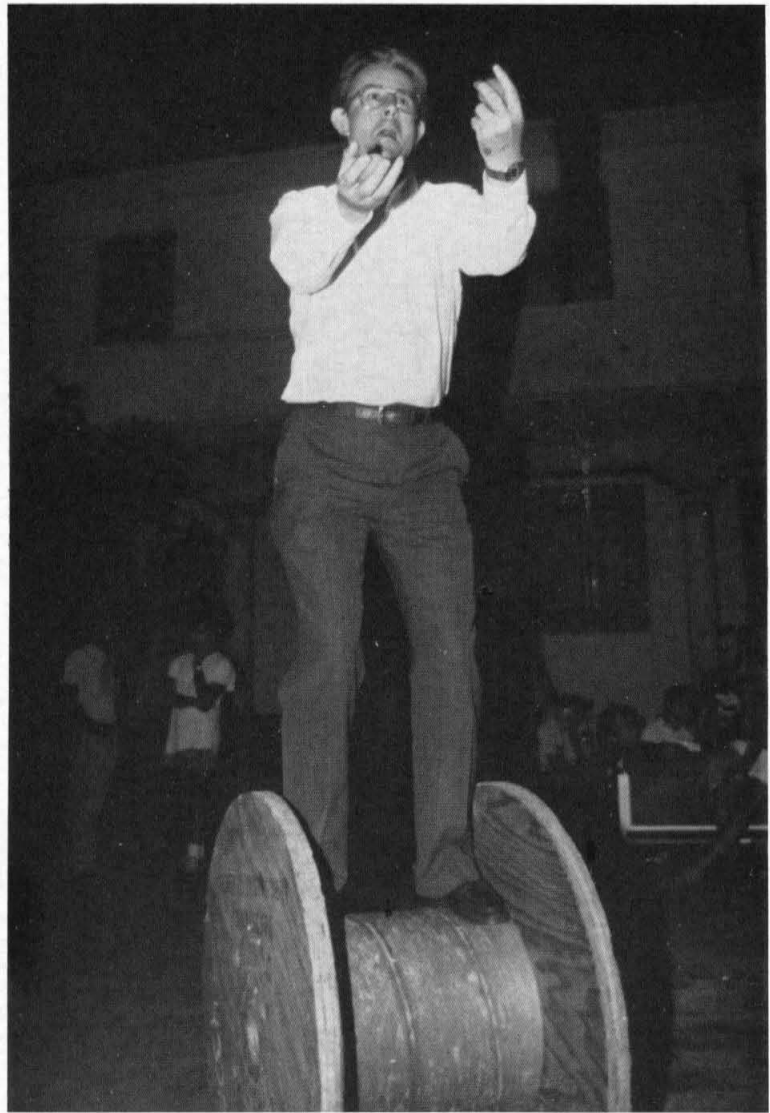
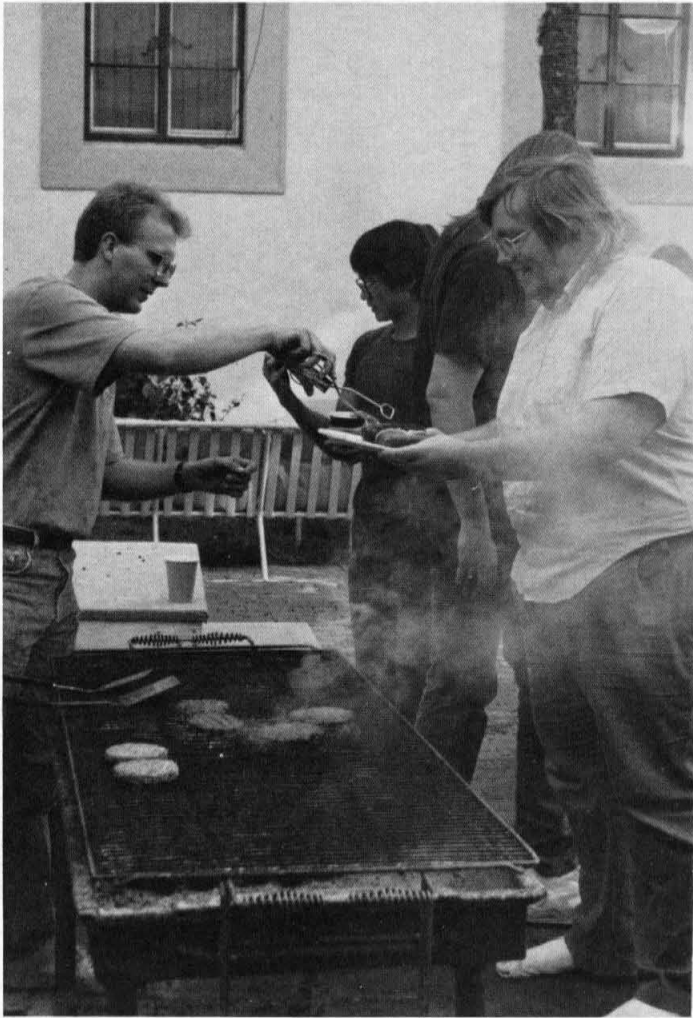
returned to Dabney House late in 2nd term. Equipped with a band and our very own 5-gallon plastic water bottle, Mojo drew in Old Darbs and Techers from all around.















This was my first year as a sophomore here at Caltech, and there are a lot of different things you see as a sophomore. I think the first thing I noticed were all the freshmen at rotation asking me, "So what's so great about Dabney House?" or "Is it true that you guys do drugs?"

The second question is often useful for answering the first one. I'd lead the freshman over to our photo display case and say, "Look, would we do all these crazy things if we were on drugs?"

Our photo display case is filled with Drop Day Parties, RA barbecues, jai-alai, and of course, bonfires. We have these events every year and from just looking at the display case, it would seem like Dabney is just one big party, twenty-four hours a day.

The one thing I've never been able to describe to the freshmen is how it feels to be able to walk down the hall and ask Brad Threatt for help on a physics problem, watch the Muppet Movie with Bo Adler, or talk with my

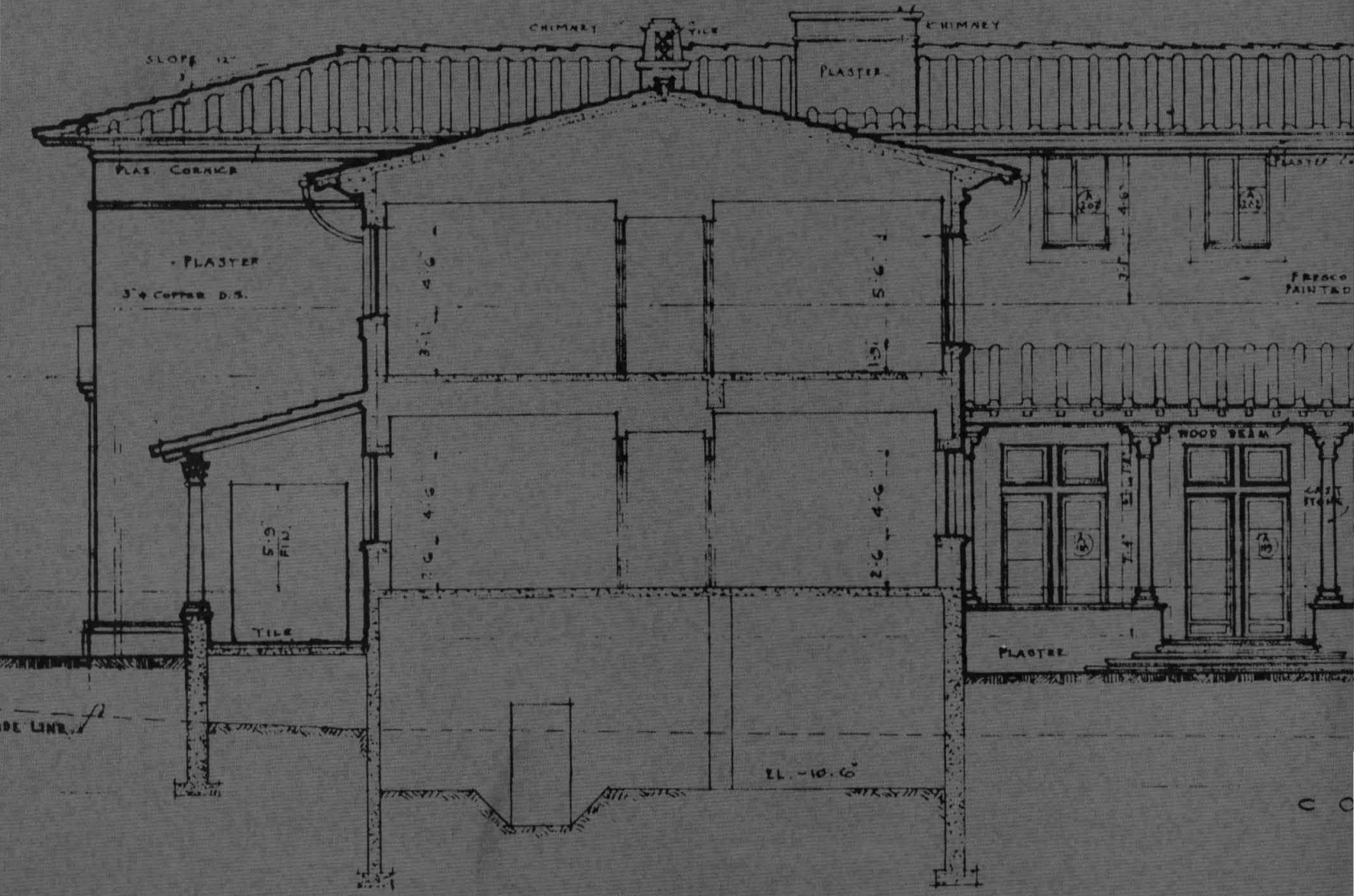
roommate, Stephen Heise, until the late hours of the night.

Anyone can have fun burning wood on a brick courtyard or playing around with liquid nitrogen. Heck, we even have a president, Rob Hanna, who jumps through the bonfires. That's what Darbs do, but that's not what makes Darb's special to each other.

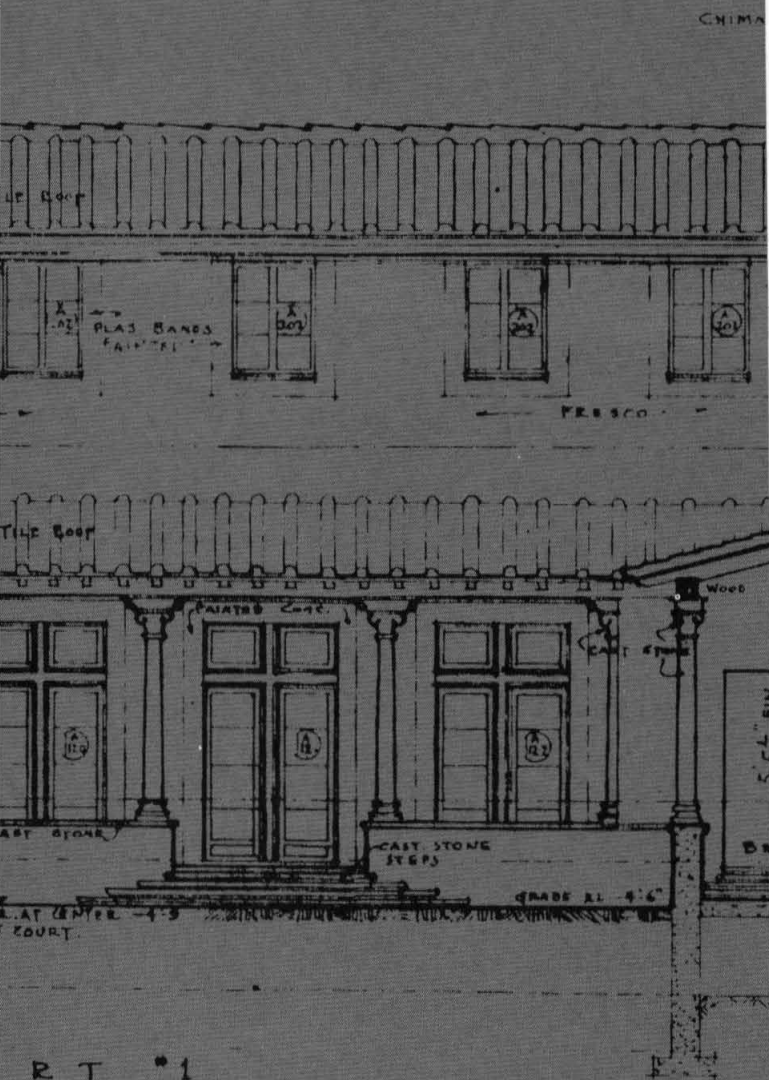
I guess I'm really stuck when a frosh asks me why Dabney House is so great. Just about the only thing I can say is, join us. Maybe we can have some fun before we graduate.

J. Alan Low  
Historian









FLEMING



**F**leming House began its strong tradition of great achievement from its first days of existence. Built in 1931 and named in honor of Board of Trustees President Arthur H. Fleming, the house prided itself on athletic and social excellence and leadership in many facets of student life. Sixty years later, the tradition is alive and well.

In celebration of another year of school, Fleming House toured the other houses, singing songs of praise and glory for all to hear. Although few came out to greet us this year, those who did were given a warm welcome.

As house members did many years ago, Formal Meal returned to welcome the new freshmen. Upperclassmen in appropriate attire introduced the new members to their views

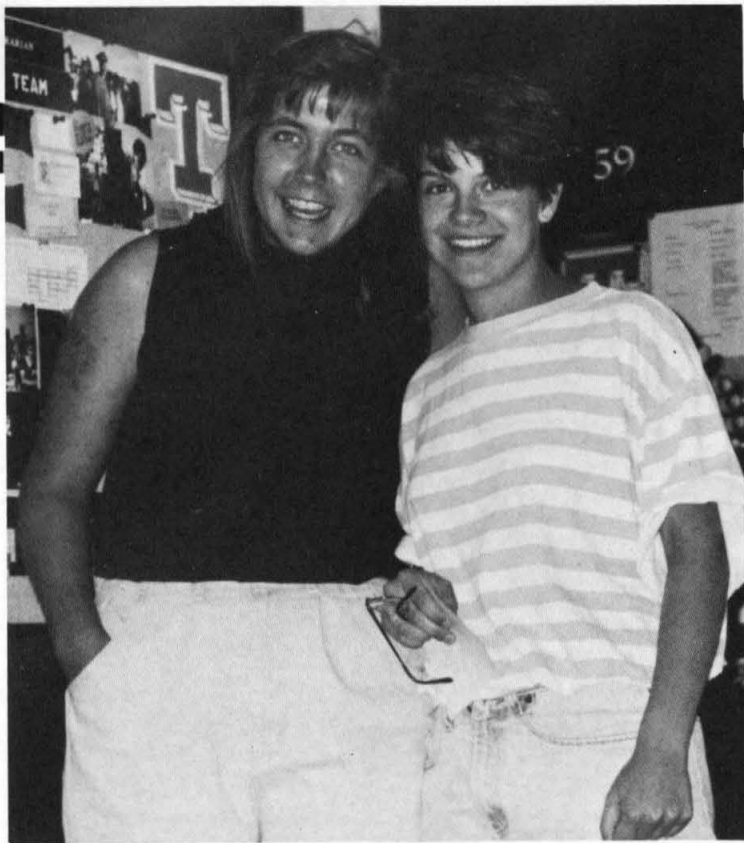
of proper conduct. Poet laureate Mike Pottenger recited the classic "The Return of My Pet Feeding Dish," Brian Duchovnay stressed tolerance of those with "disagreeable" lifestyles, and Jeff Martin reviewed the latest information regarding safe health habits for the coming 90's.

Soon after, Hyon Lew directed the 28 frosh plus chairman Jill Bush to simple tasks demonstrating the

workings of Fleming House. In appreciation of Mr. Lew's efforts, the frosh brought him a pet fish and took him to a nice watery vacation spot due west.

And so the year began with many new names and faces. What followed turned out to be another exciting year for the members of the house, one that should not be forgotten too soon. It was a year that would prove once again that Fleming House was the only place to be.

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Jill and Kathryn show us their best warm 'n huggy look.

The Big Red Machine carols loud and strong as Brian, Lanny and Bill lead the way.

Cool dudes "Sharky" Humphreys, "Moose" Masek and "Spike" Lim rule during Rotation, as Chamness peeks from behind.

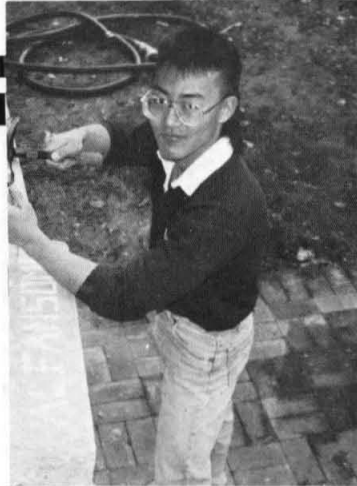
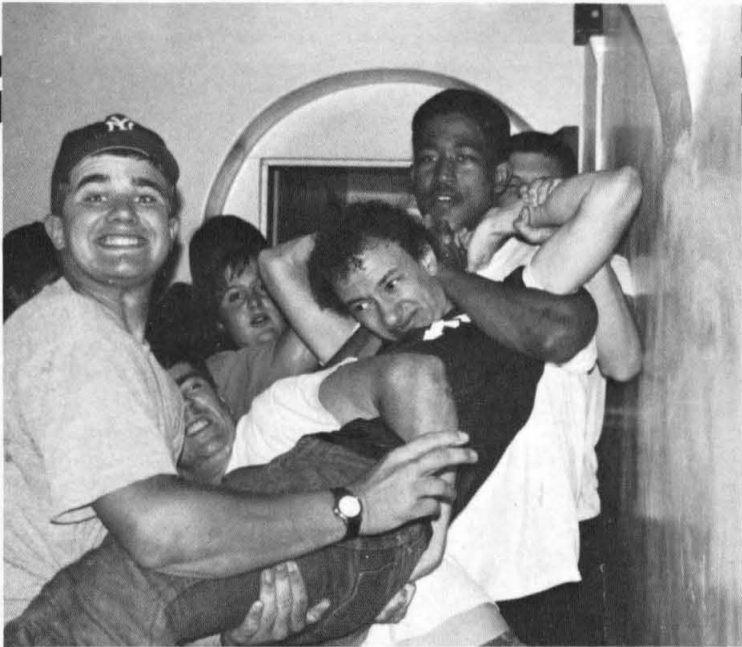






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**It's all fun and games for Jessica, Erin and Jennifer at Alumni Softball and Barbeque.**



**For the little bunny who succumbed to the pressures of Caltech, Gook chisels out a tombstone.**

**Is Lanny soluble? Stevie and John try to find out.**



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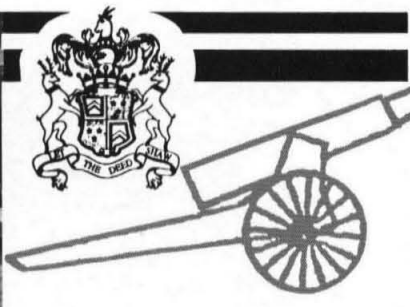


Bill Swanson (right) congratulates new house president Tim Maddux.





# F L E M I N G



**L**et's not forget what makes a house: the men and women who live there. We came to Caltech to pursue a degree and found a house in which we could learn and mature. And that house is Fleming House.

Look at the picture above and you'll see who we are. We are proud to be a part of it all, a dynamic group who defends its members and can act as a cohesive unit. Yet we retain our individual styles and beliefs, so each of us can enjoy the diversity and variety that life has to offer.



### Athletics Team

**Ath Team (l-r):**  
 Rich Baltzersen- Ath 2,  
 Taletha Derrington- Ath 1,  
 Erin Cramer, Jason Lee,  
 Jeff Pasquino



### Social Team

**Social Team (l-r):**  
 Brian Kjerulf, Tim Wachholz,  
 Mark Humphreys- Soc 1,  
 Jill Bush, Jessica Nichols- Soc 2,  
 (not pict.- Eric Loftsgaarden)



### House Officers:

Tim Maddux- Pres.  
 Sam Clark- VP  
 Sheldon Lim- Secr.  
 Hyon Lew- Treas.

**Other positions:**  
 Lanny Boswell- Cannon Master  
 Christopher Ho- Historian  
 Kathryn Sackett- Food Rep.  
 Jennifer Miller- BOC Rep.

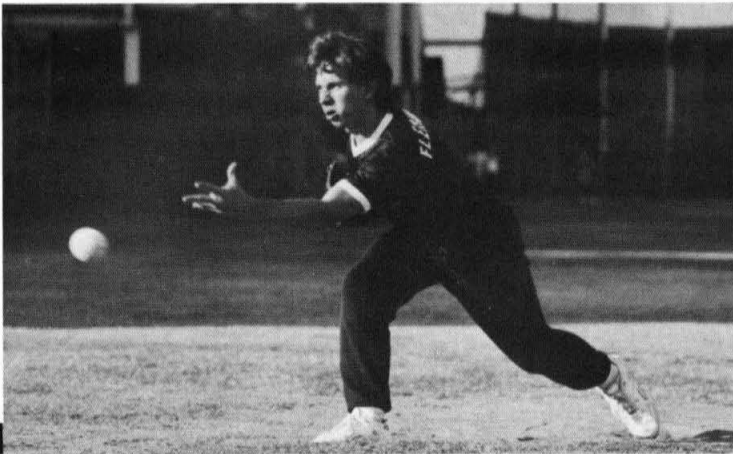
[Note: Sam moved OC, so Rich became VP, making Jeff Ath2, and adding Keith Thompson and Ellis Eckland to the Soc Team. Gook joined the Marines, so we have a new treasurer, too.]

Fleming *100<sup>th</sup> year*

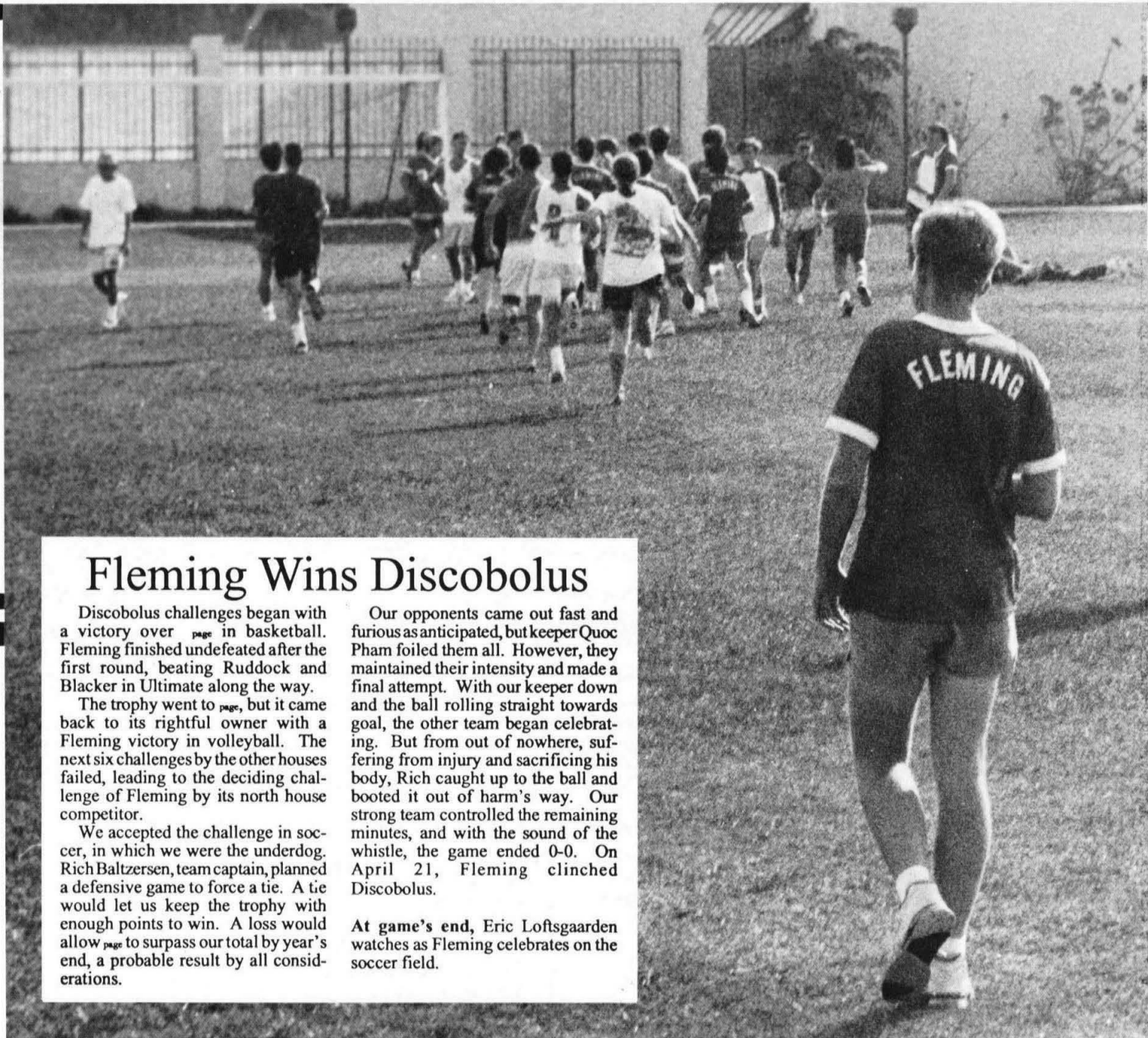


**Pitching the way** to softball domination, Jeff throws another strikeout.

**All dressed up** for Phantom are Keith, Jason, Chris and Lei.



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## Fleming Wins Discobolus

Discobolus challenges began with a victory over page in basketball. Fleming finished undefeated after the first round, beating Ruddock and Blacker in Ultimate along the way.

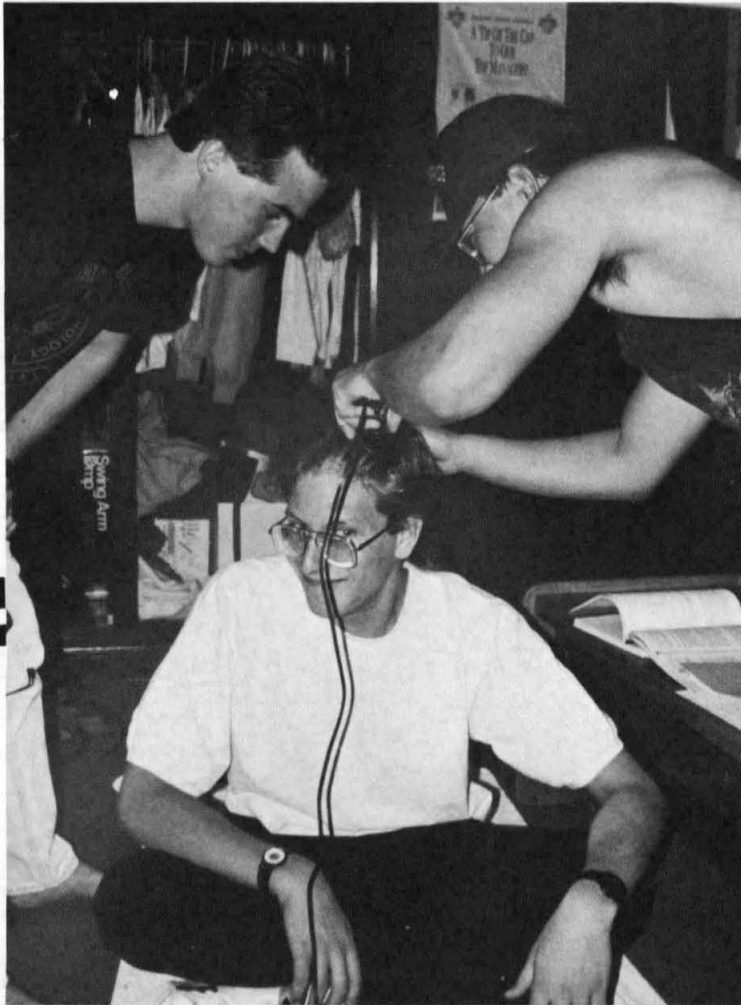
The trophy went to page, but it came back to its rightful owner with a Fleming victory in volleyball. The next six challenges by the other houses failed, leading to the deciding challenge of Fleming by its north house competitor.

We accepted the challenge in soccer, in which we were the underdog. Rich Baltzersen, team captain, planned a defensive game to force a tie. A tie would let us keep the trophy with enough points to win. A loss would allow page to surpass our total by year's end, a probable result by all considerations.

Our opponents came out fast and furious as anticipated, but keeper Quoc Pham foiled them all. However, they maintained their intensity and made a final attempt. With our keeper down and the ball rolling straight towards goal, the other team began celebrating. But from out of nowhere, suffering from injury and sacrificing his body, Rich caught up to the ball and booted it out of harm's way. Our strong team controlled the remaining minutes, and with the sound of the whistle, the game ended 0-0. On April 21, Fleming clinched Discobolus.

**At game's end**, Eric Loftsgaarden watches as Fleming celebrates on the soccer field.





Roger gets a trim for reduced swimming drag, as Keith observes Gook's handiwork.

T and Mom celebrate good times at Wine & Candlelight.



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**E**xcellence. In every way. Whether it be in sports or in how we have fun, Fleming House is #1 in activities. The first event was Broomball, as the junior/senior team won 4-1. Barry the RA claimed the MVP award, showing us that buff grown-ups can be silly and fun, too. With no Interhouse party, Fleming organized the first multi-house party of the year.

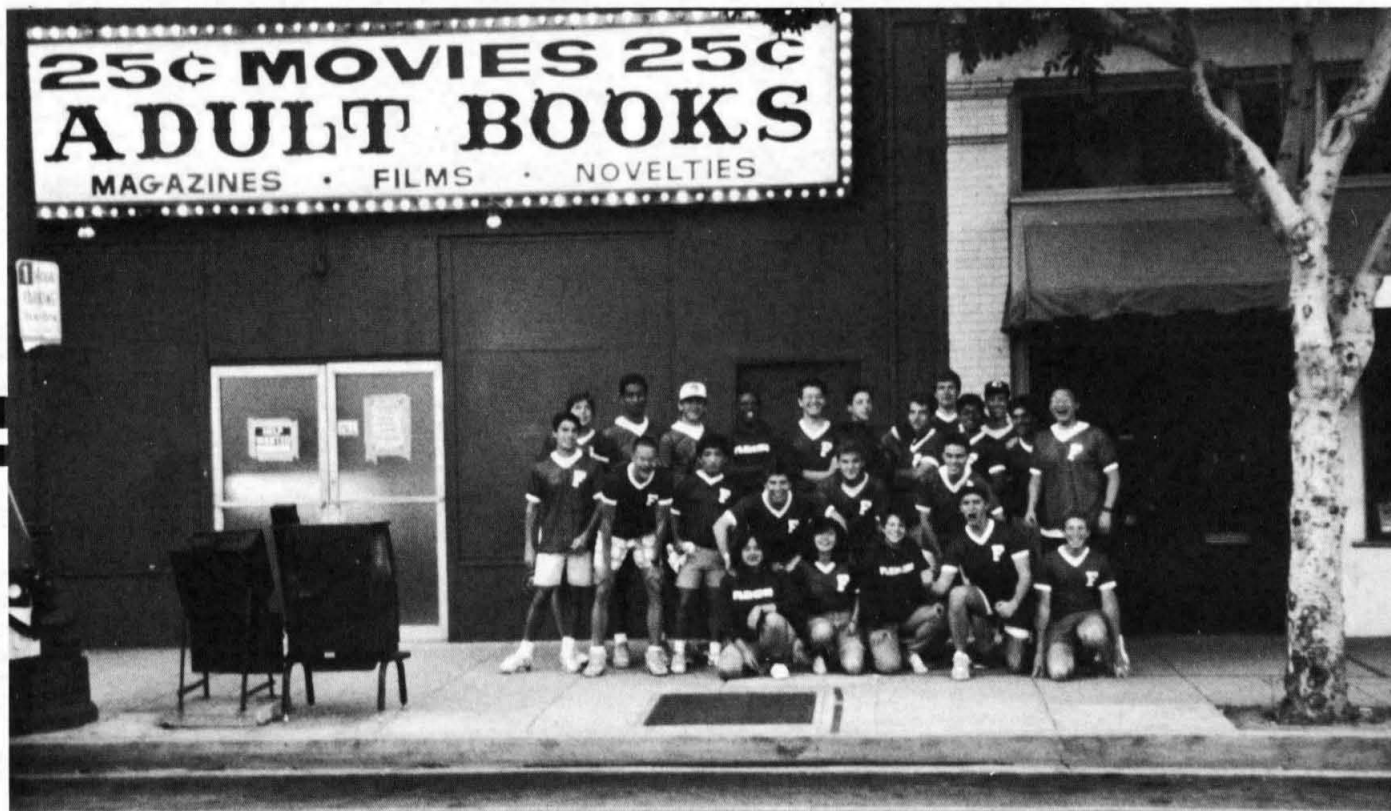
Traditional activities followed, including B-r & Bowling and then Wine and Candlelight. Alumni Softball was a great success, and we were kind enough to let the alumni win. And for the thrill-seekers, two days of Survival featured Gook blowing away the frosh. For the performance of a lifetime, the house visited the Phantom of the Opera featuring Michael Crawford. A week later the house laughed the night away at Icehouse.

Back home, at a roaring Casino Night, Jill attracted the wealthy to buy luxurious prizes. The great weather led us to a Day at the Beach to burn ourselves and then some marshmallows, and to Magic Mountain. To end the year, Pies & Ice Cream prepared the house for the sweet tastes of the summer to come. Sound like super ways to spend your days? It's just another typically fun-filled year at Fleming House.

Another Fleming victory is just a glance away.



**FRESHMEN- Back row (l-r):** Jill Bush, John Parks, Tim Wachholz, William Glenn, Roger Moore, Kevin Gilpin, Steve Wilensky, Forrest Long, AsifKhalak, Brian Kjerulf, Hootan Hidaji, Jason Lee; **Second row:** Ellis Eckland, Ned Bowden, Kay Miyake, Jeff Pasquino, Max Heitzmann, Keith Thompson; **Front row:** Jennifer Miller, Wing Cheung, Kathryn Sackett, Erin Cramer, Eric Loftsgaarden; **Not pictured:** Dave Nichols, Steve Sandberg, Julian Jamison, Dan Moraru, Erica Alliston, Esther Shao, Mark Cheng, Wayne Chen



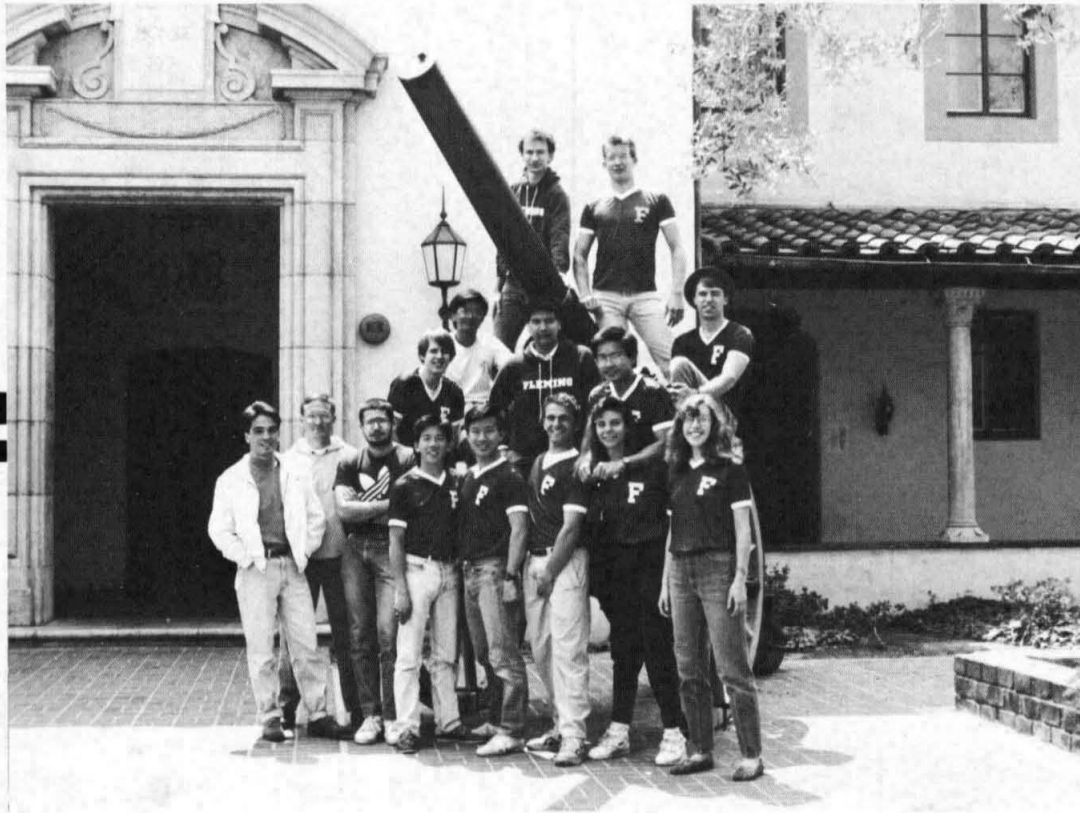
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**SOPHOMORES- Back row (l-r):** Jessica Barnett, Nick Pornsinsirak, Jessie Haldeman, Taletha Derrington, Steve Hoekstra, Jen Mullin, Mark Mazurek, Jen Jungkuntz, Ken Wiberg, Jeff Wiersema, Brian Donning; **Front row:** Ingrid Choong, Jessica Nichols, Rich Baltzersen, Hyon Lew, Jeff Martin, Rob Underwood; **Not pictured:** Joseph Chiu, Michael Smith, Ted Palmatier, Mark Savellano, Areez Mody, Mark Hornig, Yu-Chien Kuo



**JUNIORS- Back (l-r):** Lanny Boswell, Tim Maddux; **Middle:** Karl Schneider, Lei Chen, Sonny Arcilla, Varavut Limpasuvan, Mark Chamness; **Front:** Doruk Engin, Sam Clark, John Philippakos, Christopher Ho, Sheldon Lim, Jim Caron, Monica Holboke, Catherine Hafer; **Not pictured:** Brent Buescher, Lee Burrows, Brian Duchovnay, Justin Muhly, Jay Obernolte, Phil Pippenger, Kirill Shcheglov, Johnny Tsai, Jim Werner, Chris Ziomkowski



**M** eet the classes of Fleming House. From the seniors to the freshmen, each class is another colorful piece of house history.

The seniors, with their four years (or more) in Fleming House, remember all the great things only they could do. Like taking 27 units of PE a term and still graduating.

The juniors, with just one year to go, can demonstrate to the frosh what a difference experience can make. Like how to win the Relay at Indoor.

The sophomores, no longer on pass/fail, can tell the frosh all about the things that can happen only after a year. Like getting a clue.

The freshmen - well, they're new to all of this. Given time and a little work, they, too, will someday be able to say, "When I was a frosh..."

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**SENIORS- Top (l-r):** Raymond Shen, Ben Masek, Matt Himmelsteinss, Mark Humphreys, Scott Kister; **Middle:** Rob Welstand, Bacquoc Pham, Ken Campman, Hemant Keny, Emily Lo, Mike Pottenger, Jeff Koehler, Mark Markarian, Dave Geraghty; **Front:** Gary Holt, Dan Kollmorgen, Brian Biswell, Yayoi Izumi, Meeten Bhavsar, Steve Jun, Bill Swanson, Joe Caroselli, Eric Johnson; **Not pictured:** Eric Anderson, Alecia Chen, Laura Hernandezss, David Hall, Dong-Su Kim, Melinda Knox, Kyung Lee, Kevin Lusterss, Tim Melbourne, Dave Park, John Pham, Dave Rhoadarmer, Sean Shannon, Liz Warner, Pete Yings

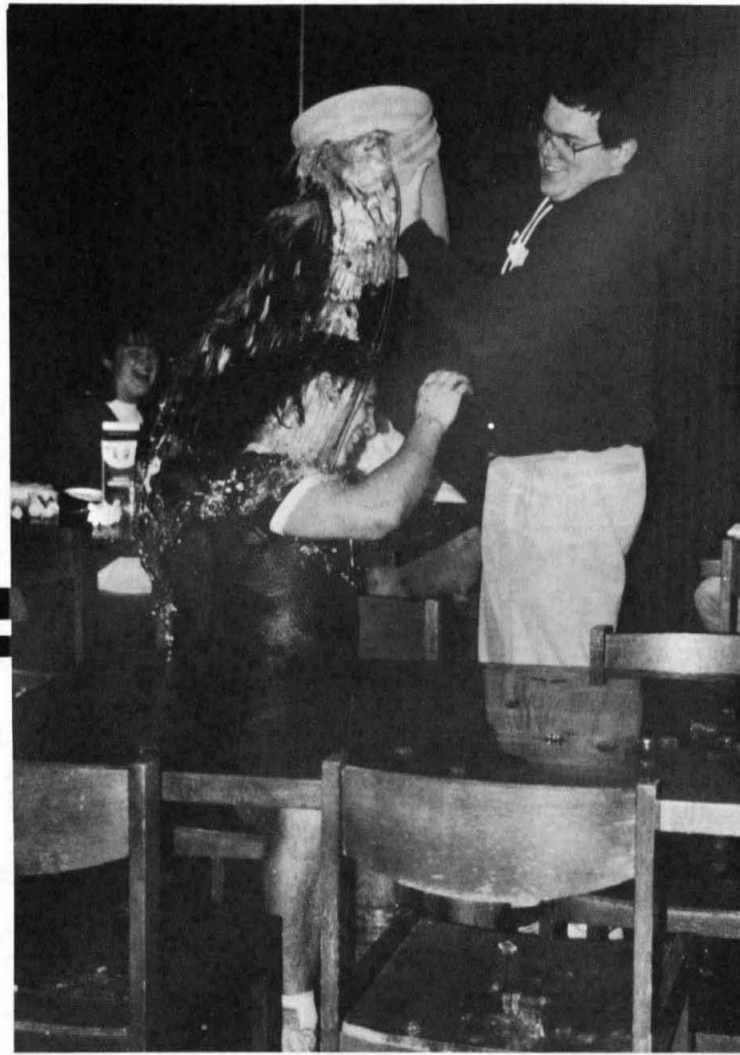


**I**t should come to no surprise that living in Fleming House can be an interesting affair. Bill Swanson and Mark Humphreys were taken through the Grand Tour in just over an hour. Ask the frosh, too - there's always plenty for them to do every night at dinner. And don't forget that group of women who decided it might be fun to play the Ride one quiet October night.

Sometimes something as small as a little nickname can stay with you for awhile. (Like Tim "Maddog" Maddux, Hyon "Gook" Lew, Lanny "Boz" Boswell, Brian "Biz" Biswell, Jeff "Guido" Pasquino, Jessica "Mom" Nichols, Taletha "T" Derrington, Rich "Tigger" Baltzersen, Jeff "Weasel" Wiersema, Mark "Spaz" Mazurek, Teerachai "Nick" Porsinsirarak, the list goes on.)

But more important things, like lifelong friends, can emerge from these years at Caltech, especially in Fleming House. And the lessons we learn from our stay in this place will be valuable in the years to come.

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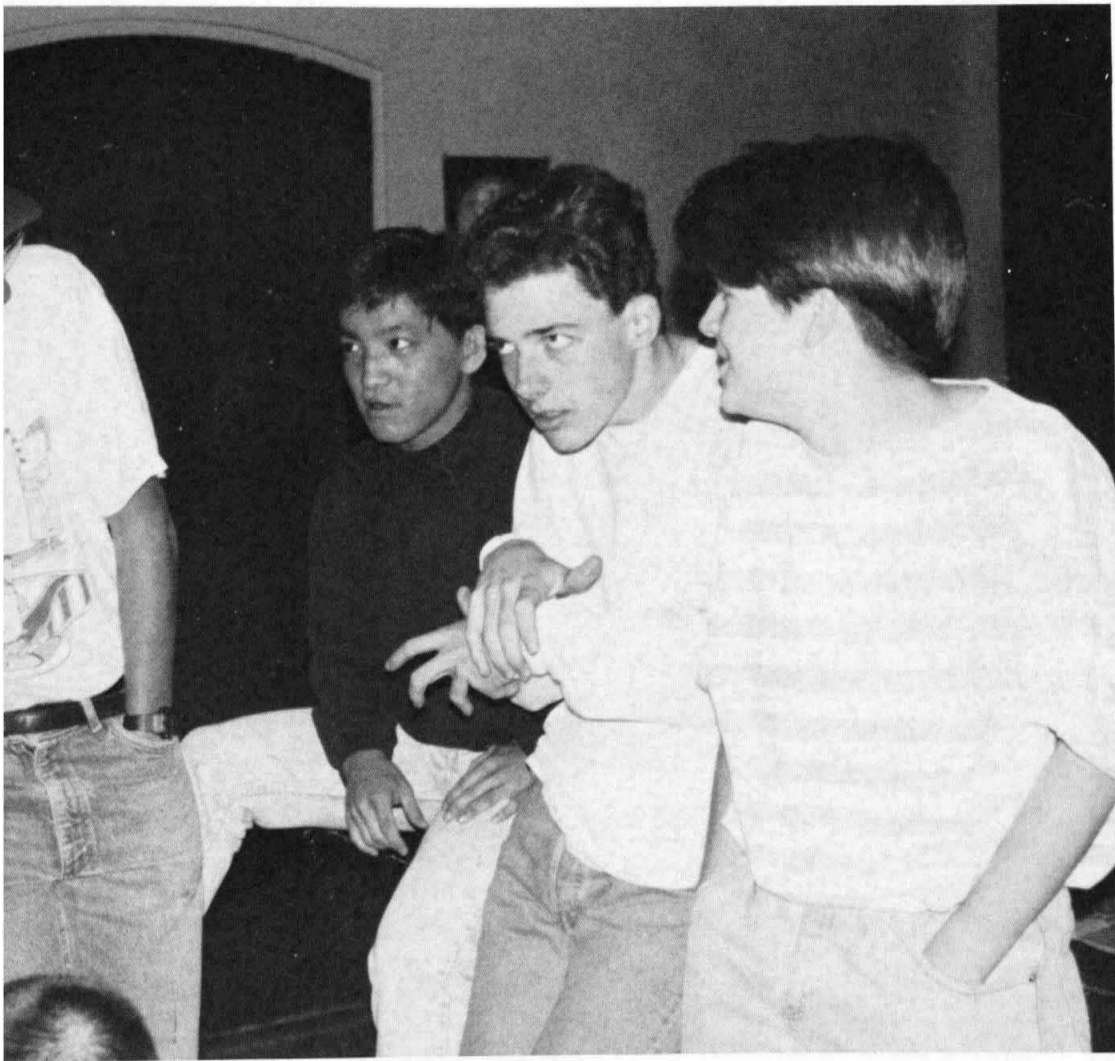
Shows or bust: NotMike, the Boz, William, wUnderwood and Guido prepare for a quick Ride.

"What's all this head-waiter business?" Rob learns quickly.

A happy frosh? Not quite, but Forrest still likes Pies and Ice Cream.

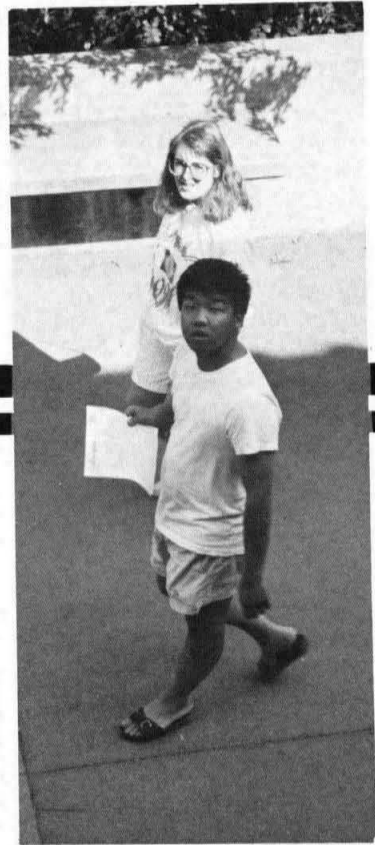




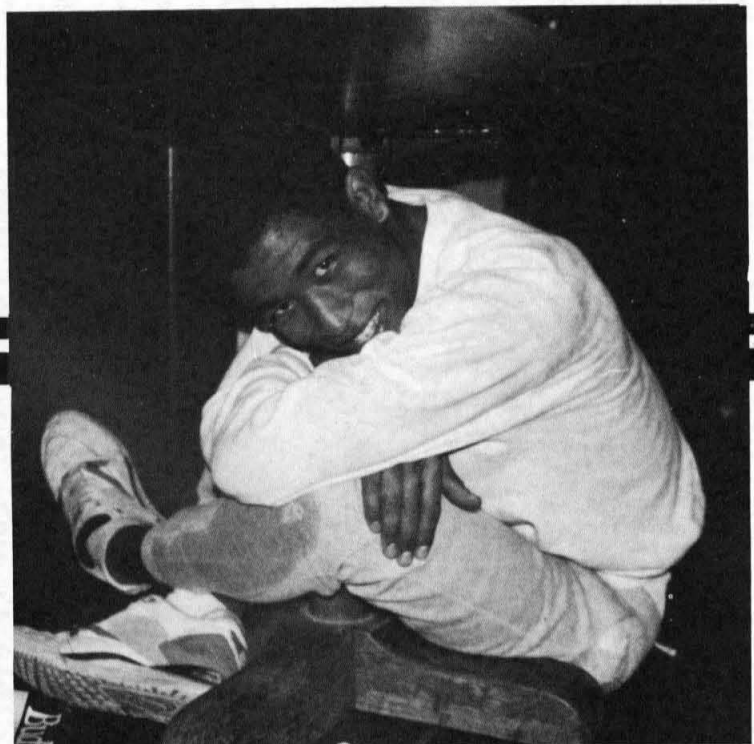
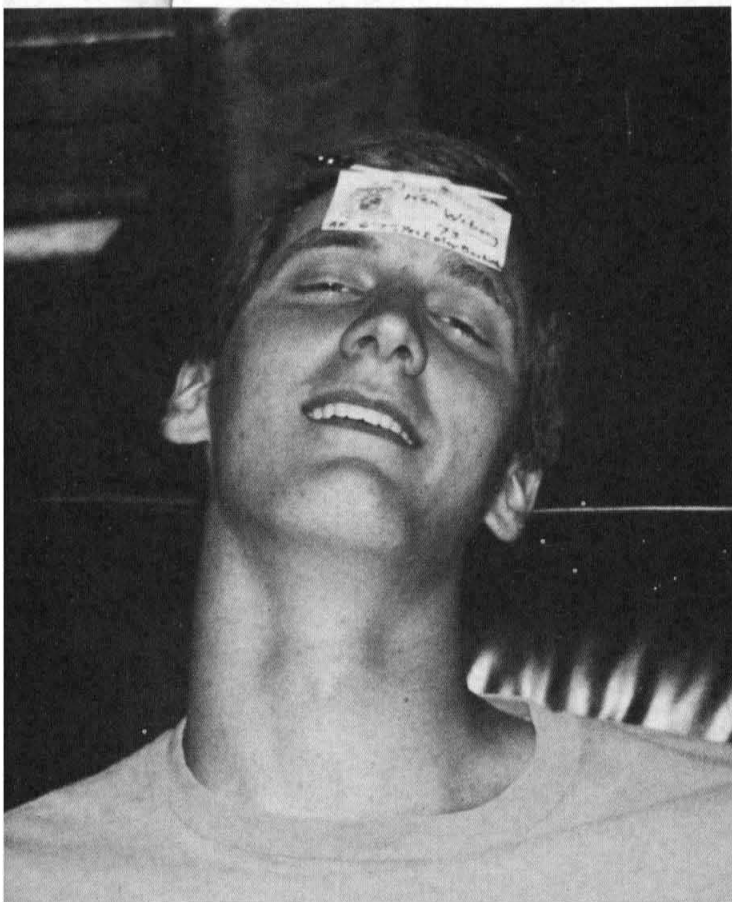


**Kay and Kathryn look to Ned for help as Kevin turns into evil scientist.**

**Surprised from above, Joe and Erica look up to the camera.**



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**Baton John gives the table leg a nice warm hug during Elections.**

**The Rotation Blues: Ken Wiberg, '93 Ae, 6'7", "Yes, I play basketball."**

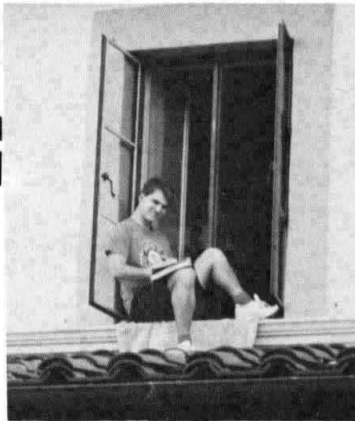
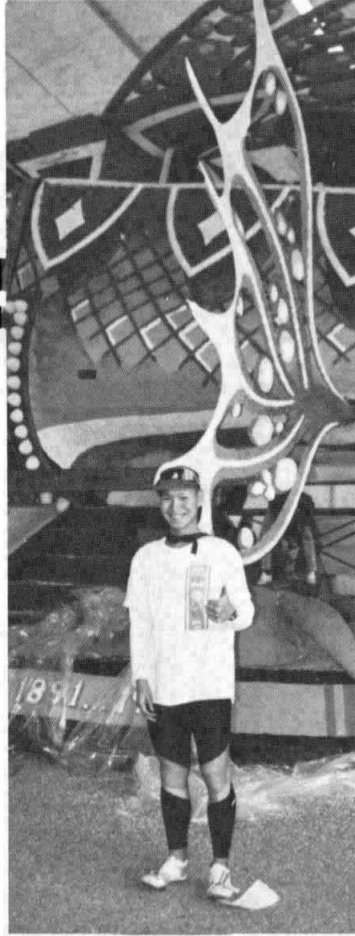


**N**ever fear, for Fleming House is there for its members and our friends. Even in times of tragedy, we can come together as a group and a family to become stronger. *[This one's for you, Barry. - editor]*

As Caltech enters its second century, let's carry the same Fleming pride and spirit into the years to come. Ring the bell loud and clear. Wear the red that symbolizes our unity. And always maintain that high level of achievement that makes us unique.

There's more to life at Caltech than plain academics. We, the members of Fleming House, would like to remind the rest of campus of one thing: **Studies and schoolwork at our institution must not interfere with one's real education.**

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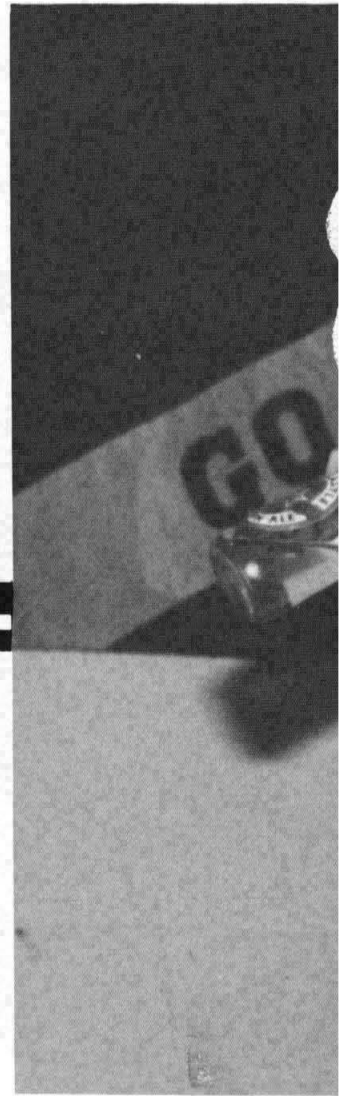
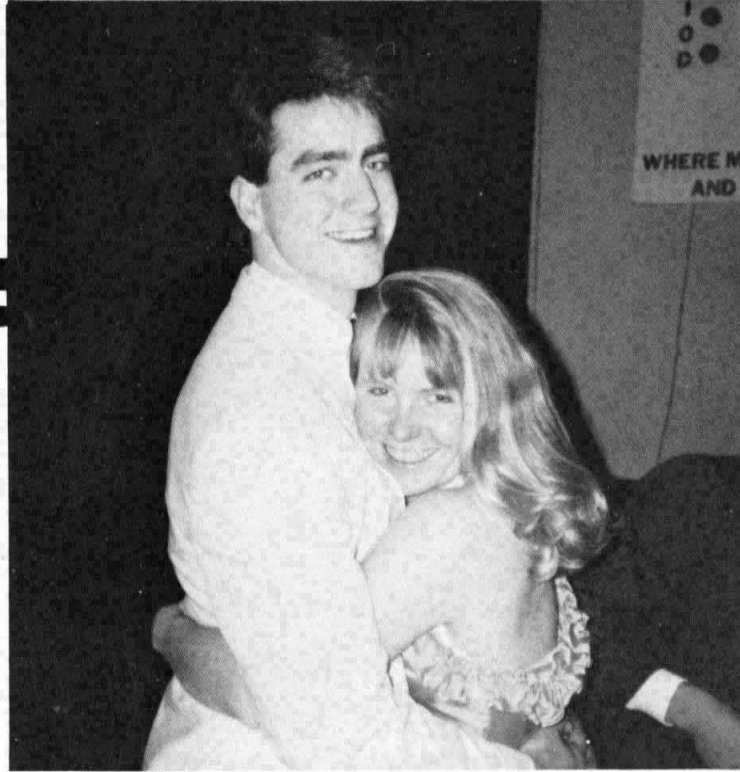


**Robmelster** pauses from intense studying on the window sill.

"Dude!" John gives the Rose Parade Float thumbs up.

Enjoying their friendship, Mark and Jen hug a little.

**Jessica** directs the Fleming women to victory over the lesser houses.

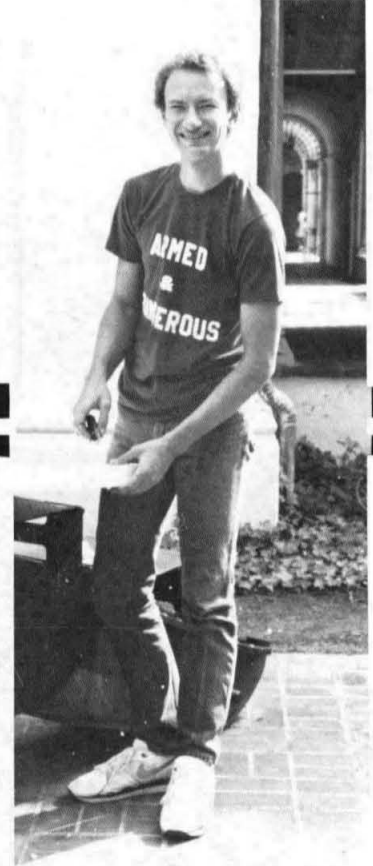




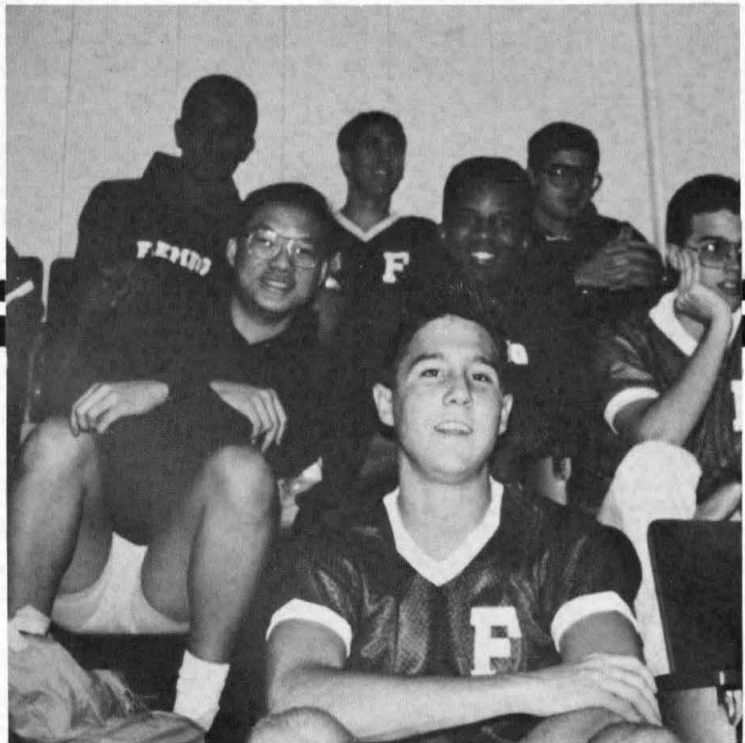


**Kollmorgen plays** with his fish in a bottle from Throop Pond.

**Mr. Nice Guy:** Lanny smiles and prepares to set off the cannon.



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**Anita the RA** finds time to relax from another busy day in Fleming.

**Respect for the elders** are on the minds of Jason, William and Ellis at Country Club.



Caught in the act, Ingrid looks up from her work.

Rich, Jeff and Jessica are all smiles after another great day of classes.

"What's that in your drink?" thinks Ken, as he and Jessie munch down on pie.



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Seniors jump for joy. ("It's about time!" - the underclassmen)

Looking their best, Steve and Jessa sit down to a nice, formal dinner.

Maddog shows off his studly waterpolo skills and grabs the ball.



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**Go Big Red !!!**  
 "Here's a toast to another fantastic year !" - C. M. Ho, editor

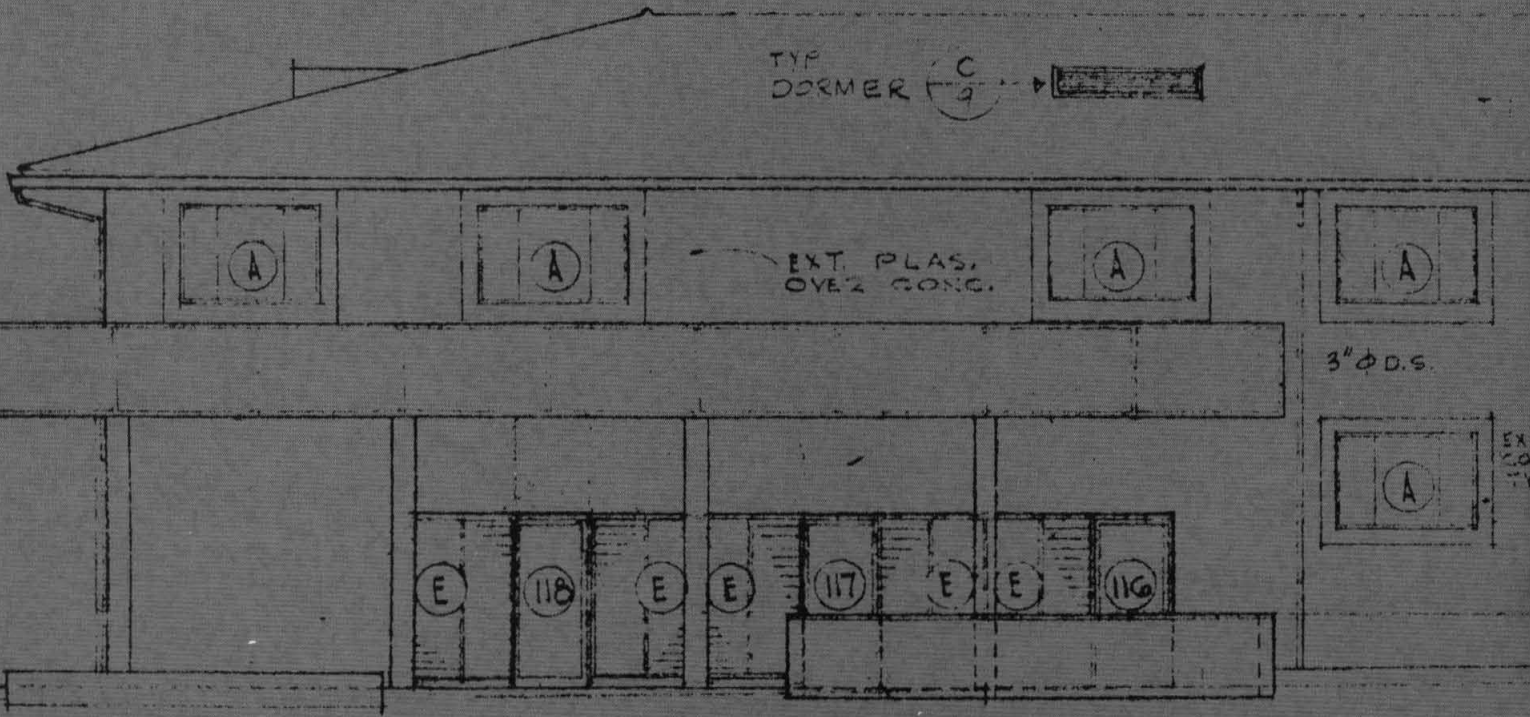
**Fleming House**  
 1990-1991

**Editor & Photographer**  
 Christopher M. Ho

**Layout Assistant**  
 Ellis Eckland

**Darkroom Assistant**  
 Lei Chen





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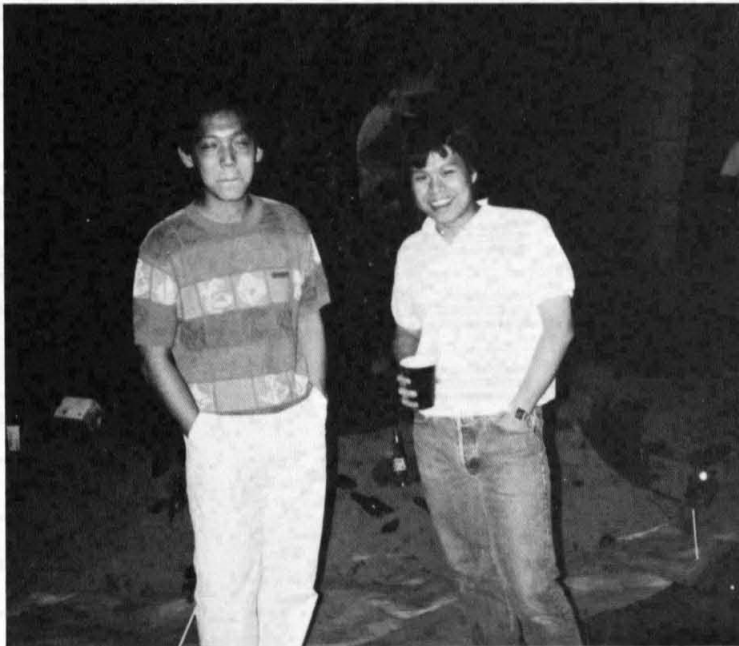
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LLOYD



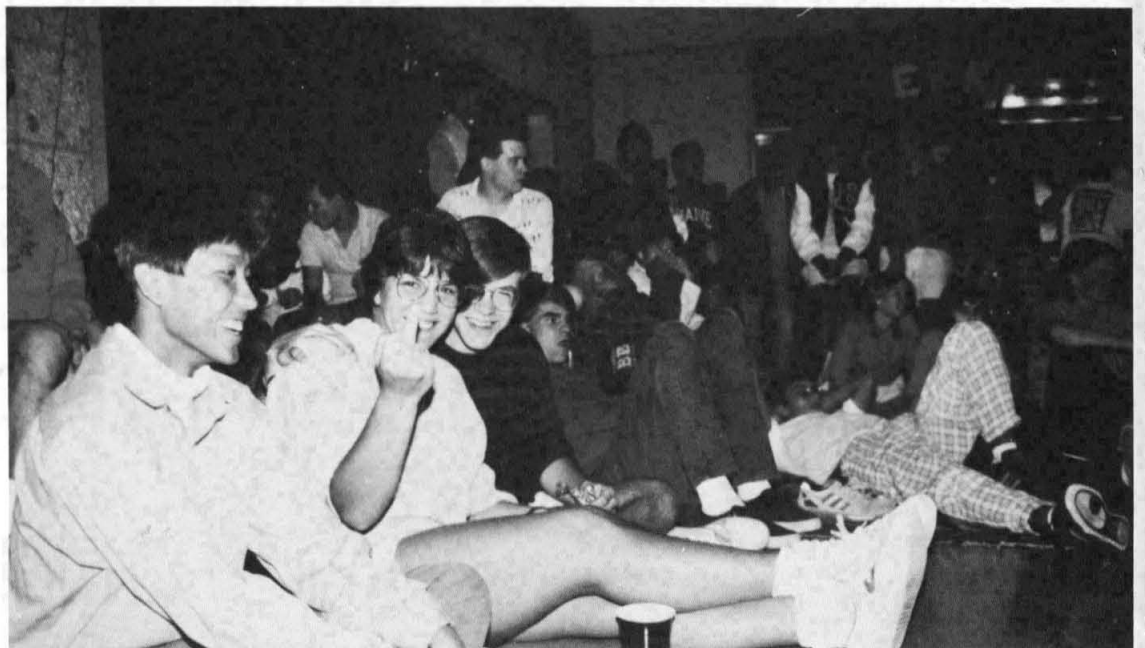


Say Hello.



Totally Shit-Faced!

Limbo is easy for pipsqueaks!

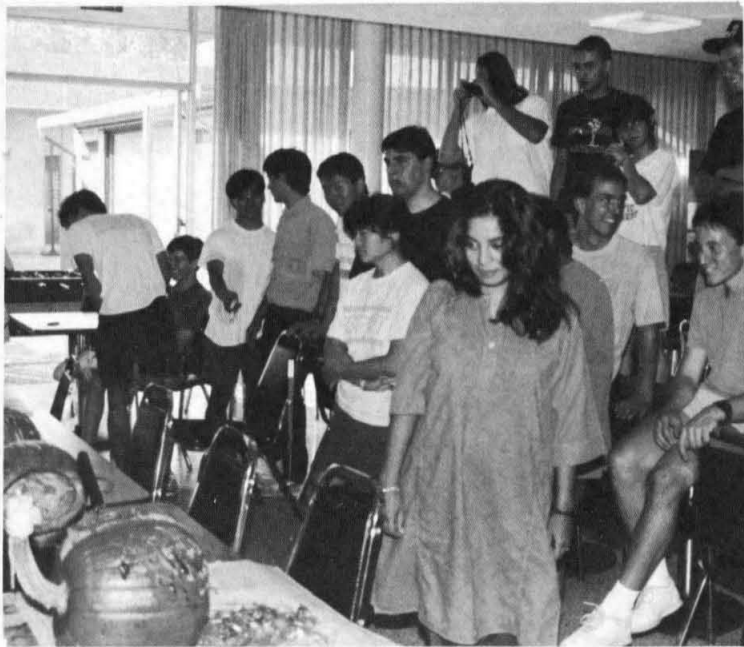


Jen spreads some holiday cheer.



# BONUS PARTY ACTION

Lloyd House continued its tradition of good fun for all in '90-'91 despite Institute crackdowns and natural disasters. Interhouse and the traditional ski trip were sadly missing this year, to be replaced by "Ready, Set, Spaghetti" and the senior class-dominated Lloyd Olympics. A new, faster format Corona Party helped to cheer the natives, and mainstays of the Lloyd social calendar such as movie night and a Christmas Bash helped to fill in the gaps. DAPAC ruled multi-house campus events such as the Halloween Party, but others at Page and Ruddock took full advantage of their beverage permits. The kindler, gentler Lloyd leadership also took a hand in social events; for instance Ladies' Night Out had a male counterpart this year, and it did not involve gratuitous amounts of nudity or sex, just hotdogs and beer at the Big A.



Shubha keeps a safe distance from the Beast of the Apocalypse!



All dressed up and nowhere to go but Casino Night.



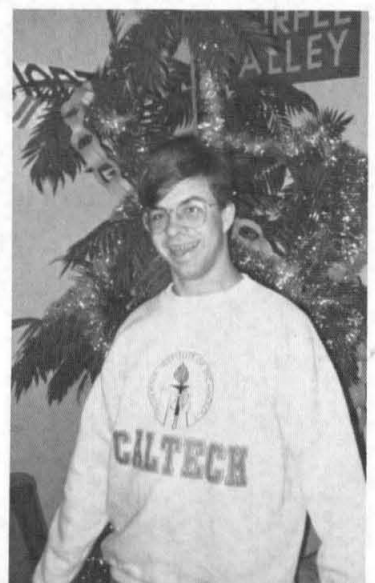
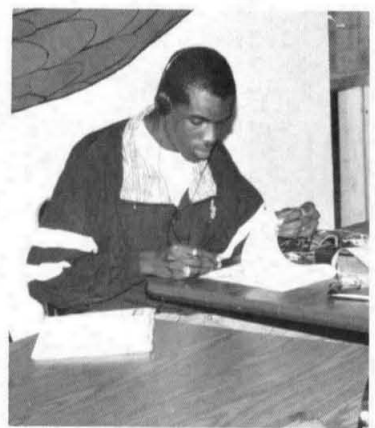
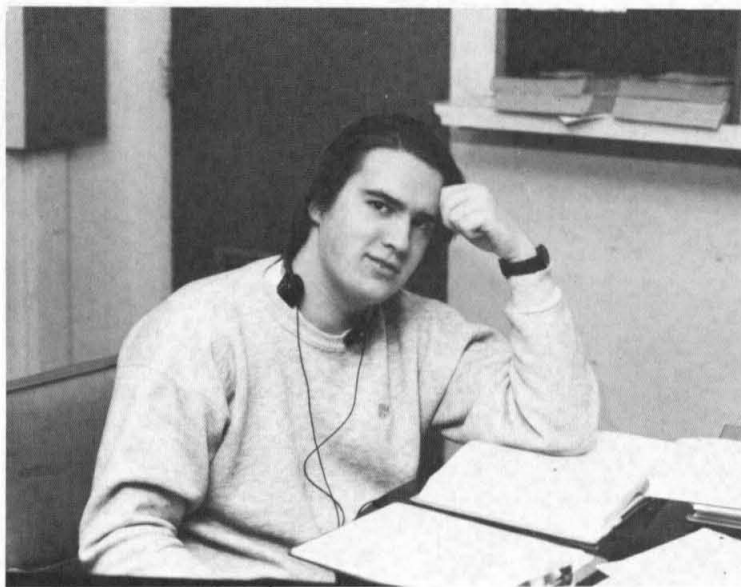
"Do you want to sit on my lap, little boy?"

Ready, Set, Spaghetti!

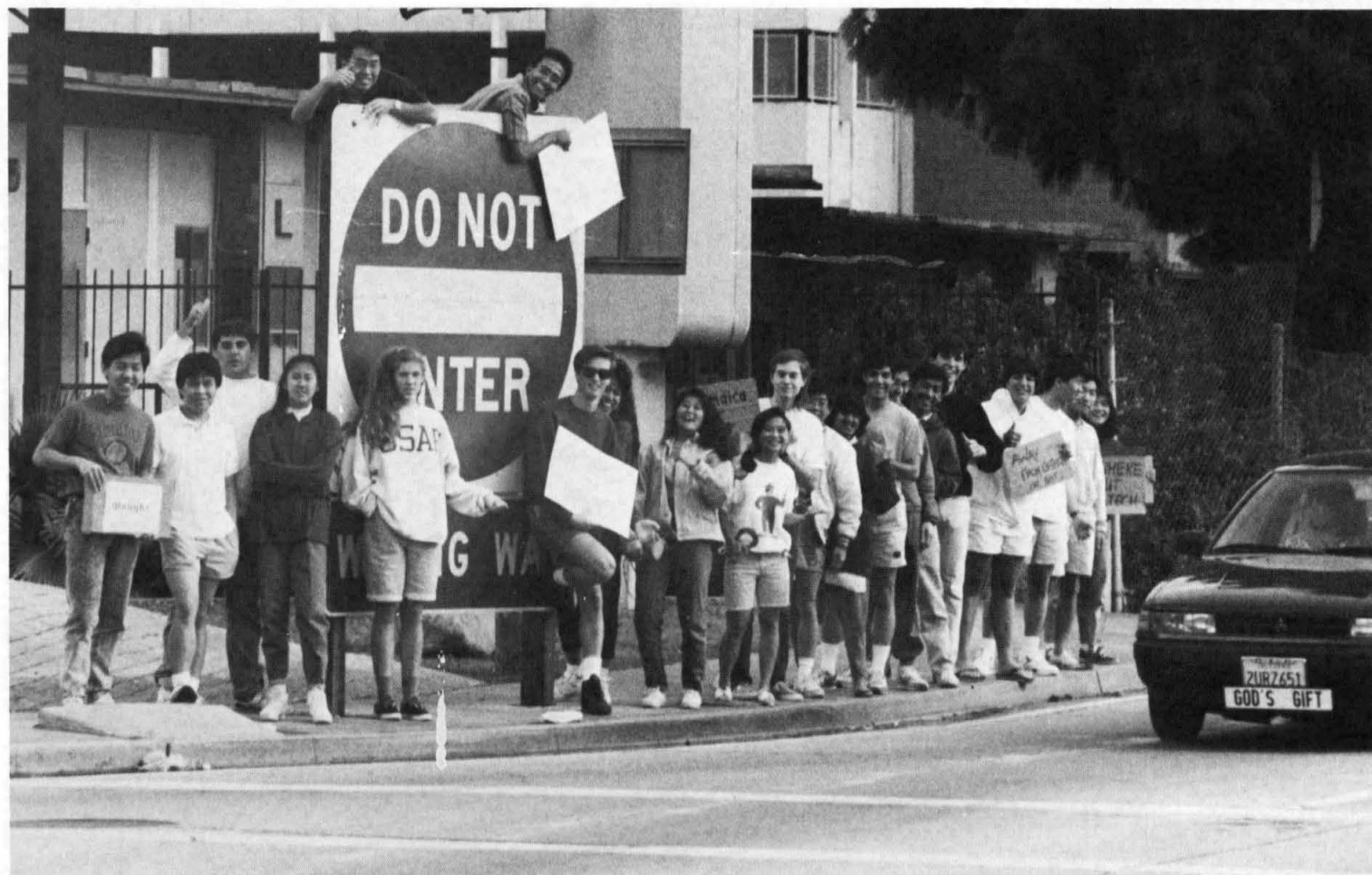




Freshmen. Wendy Belluomini, Pete Carlin, Mike Clemens, Christy Esau, Ted Kanamori, Francis Kim, Brian Landy, Vania Lee, Tina Lo, Debbie Martin, Lisa Moesker, Lavar Moore, Mike Mulqueen, Joyce Ng, Donald North, Doug Rowland, Dan Rudisill, Keith Schneider, Karen Shih, Craig Smith, Chris Ward, Sam Webb. Not pictured: Shaun Carstairs, Bang Dang, Sanza Kazadi, Albert Lee, Hyong Lee, Scott Newell, Esther Shao, Shiyin Siou, Tani Wallach.





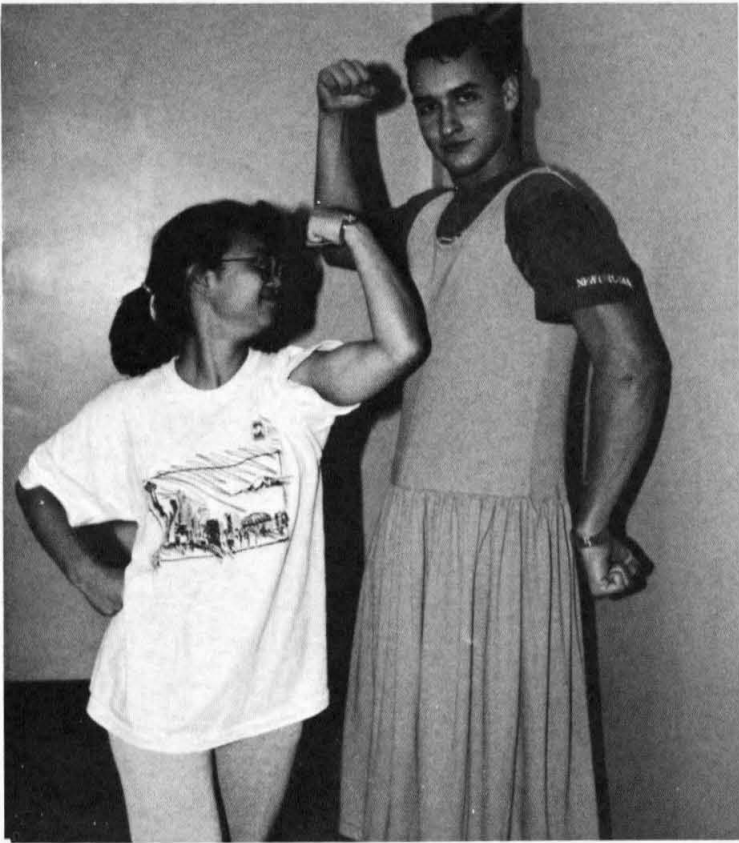


Sophomores. (left to right) Jong Lee, Martin Lin, Joe Lauer, Audra Meng, Aimee Smith, Jae Kyung, Dan Sandoval, Rob Rickenbrode, Diane Wong, Yuka Yonebayashi, Yvonne Liu, Tim Crowder, Jeff Koshi, Swathi Ganaraj, John Stamm, Francis Chong, Son Nguyen, Jose Perez, Jennifer Remine, Victor Lee, Roy Lee, Melinda Au. Not pictured: Chris Alexander, Ina Brenneise, Aaron Clements, Helen Tsai, Jennifer Yu.

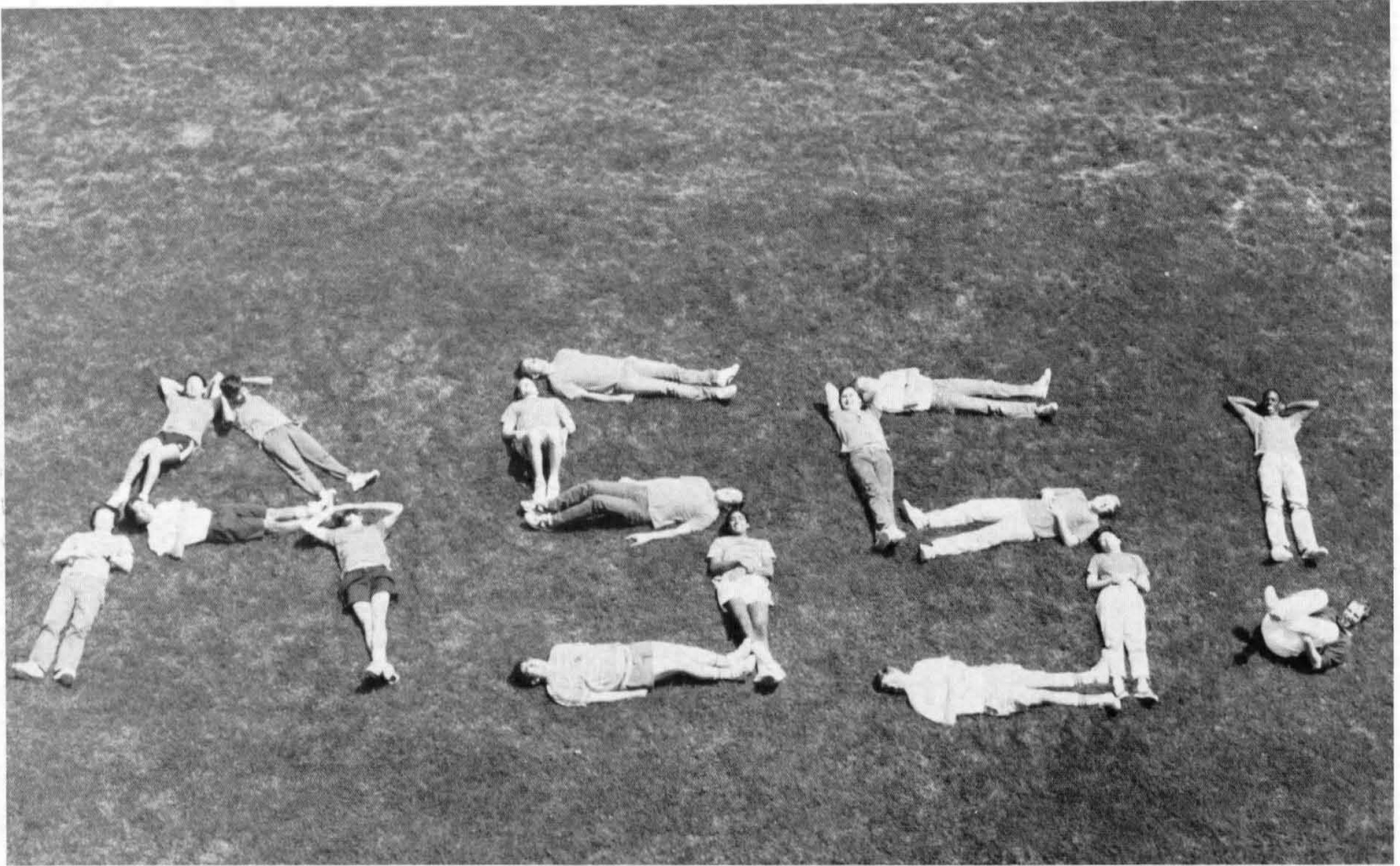
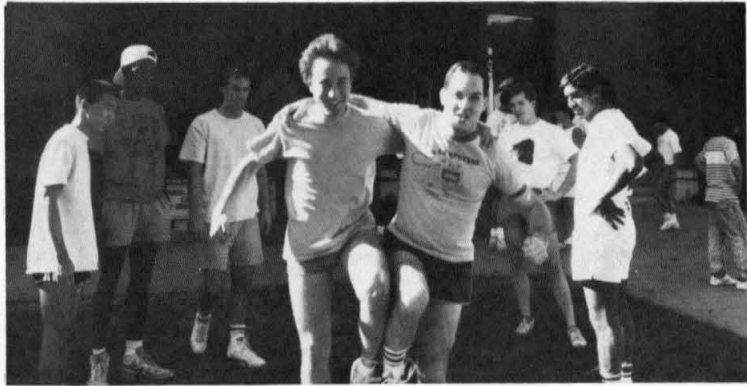
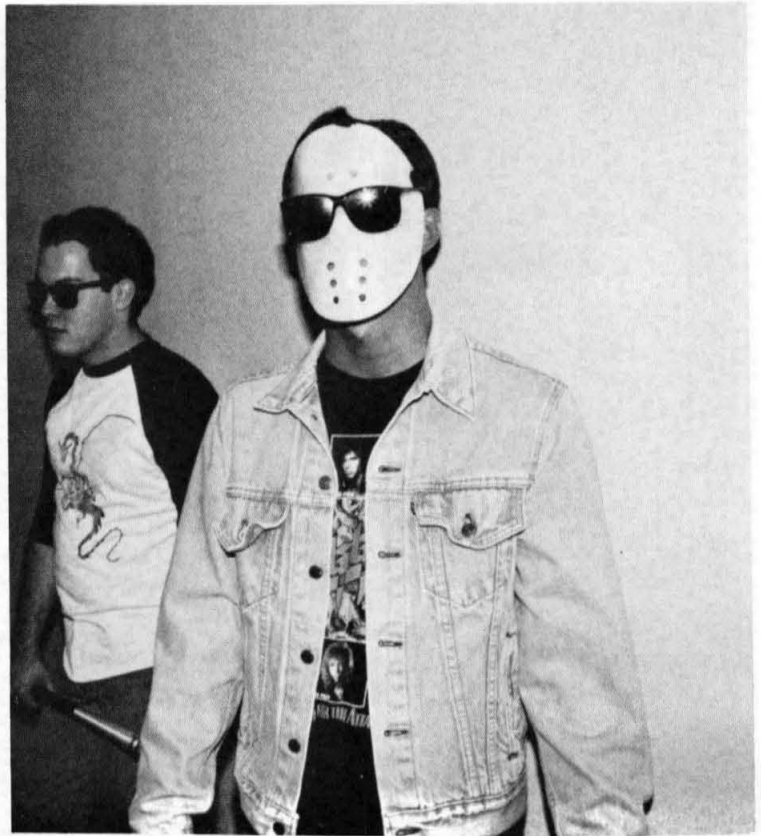
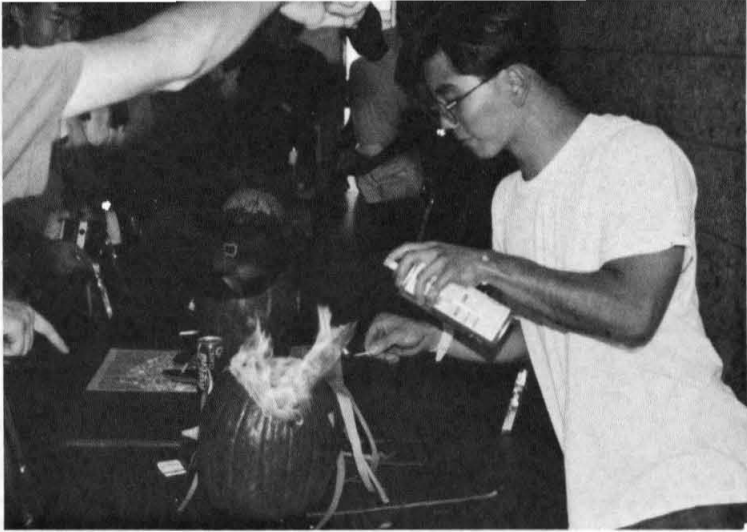




Row 1 (left to right): E. Wen, M. Tseng, A. Ho Row 2: L. Ying, G. Lee, H. Su, J. Jones, Y. Lung, A. Kaplan Row 3: J. Moon, A. Densmore, J. Boyce, B. Clendenin, M. Toronto Row 4: P. Rogan, R. Stevenson, S. Carson, C. Roth, A. Abo

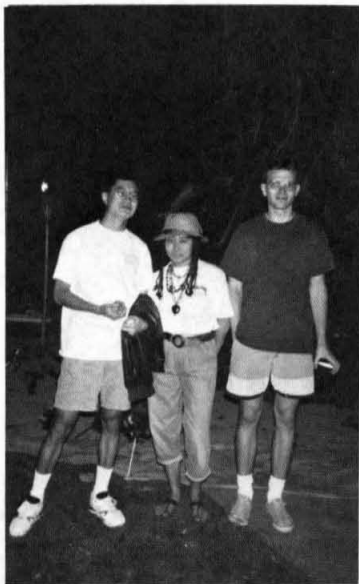




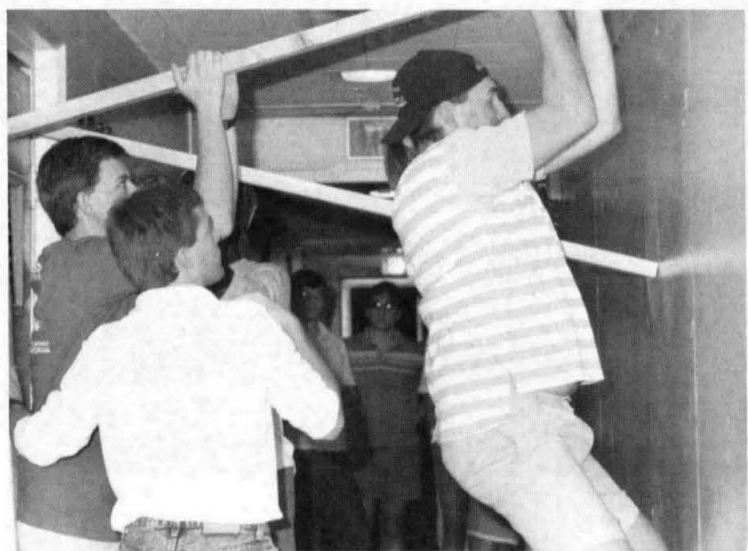
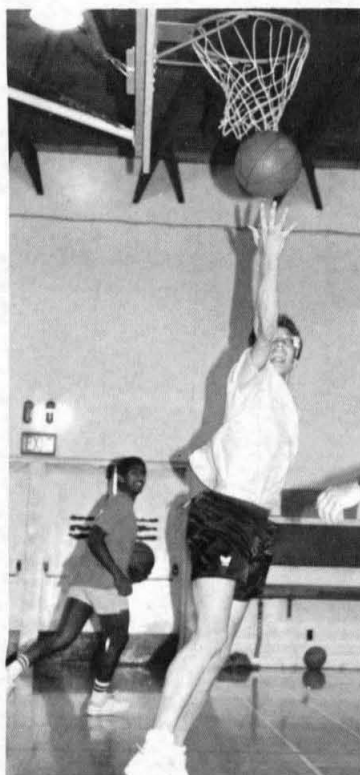


Seniors. A: Myron Ahn, Mike Ida, Amar Gandhi, Larry Ahle, Keith Akama. S: Dimitri Kirill, Raif Majeed, John Gass, Kurt Storm, Doug Peterson. S: Scott Harris, Janet Lai, Nathaniel Hieter, Chris Myers, Jeff Hagen. I: Bruce Patton, Jack Prater. Not pictured: Alica Chen, Helen Cheng, Gil Elbaz, Tara Kirby, Anita Lee, Thuan Luu, Steve McLaughlin, Jimmy Ng, Atulya Risal, Mike Rozak, Misha Samoilov.

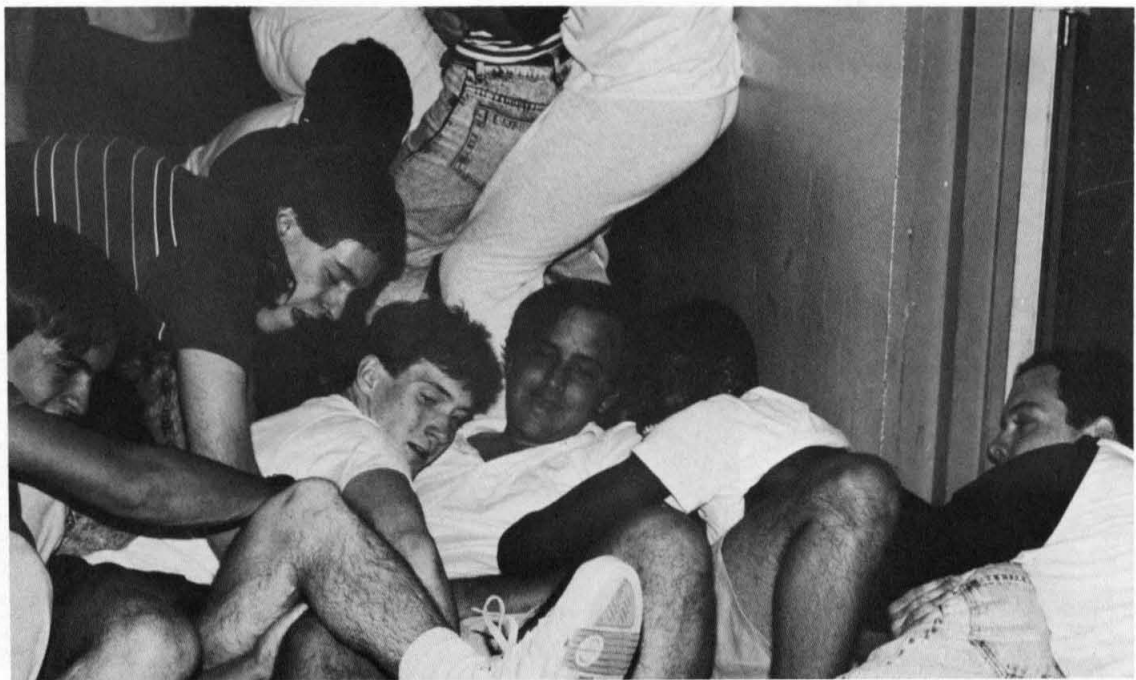
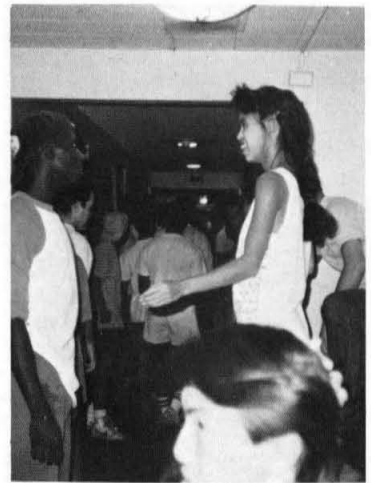
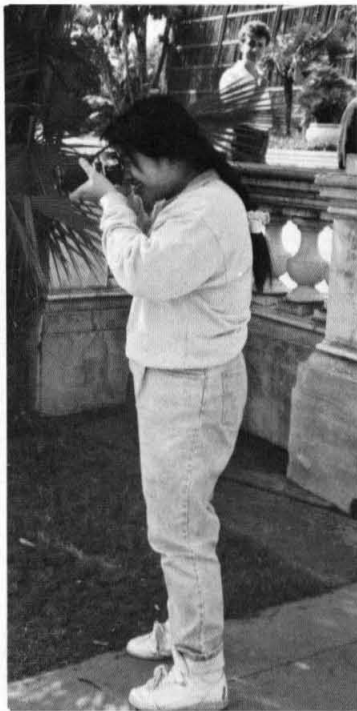




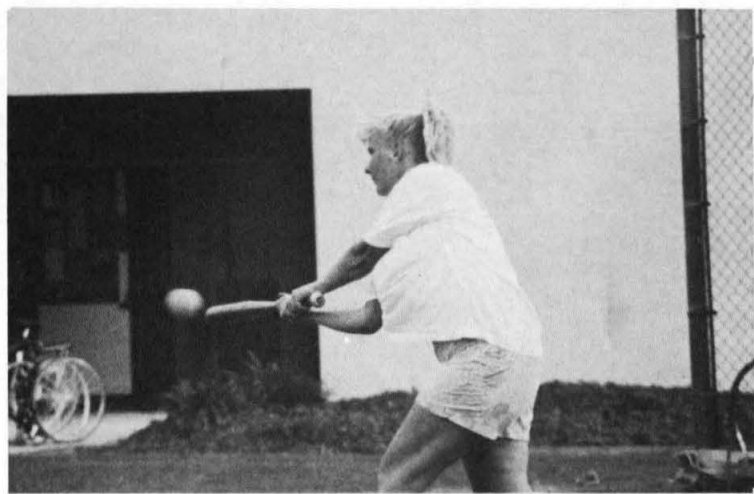
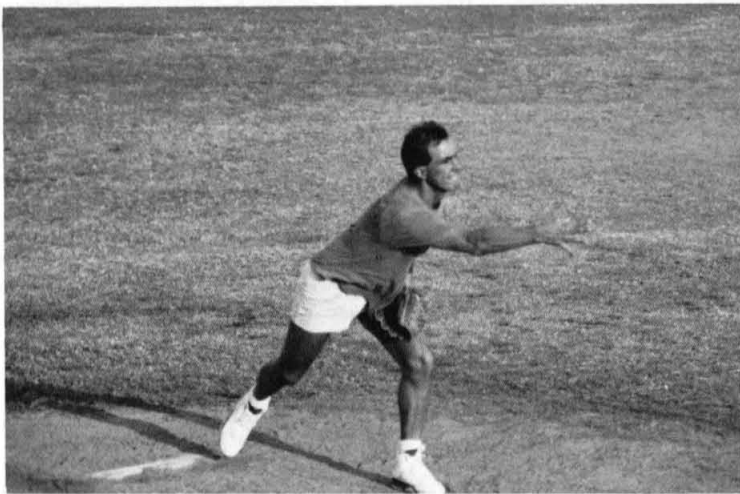
Super-Seniors. (left to right) David Townsend. Not pictured: Tom Capellari, Curt Hagenlocher, David Jeitner.







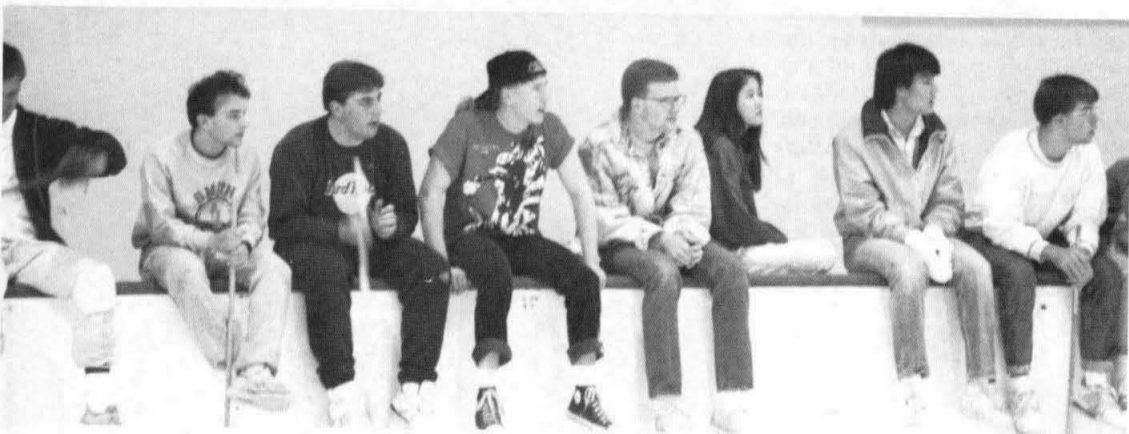
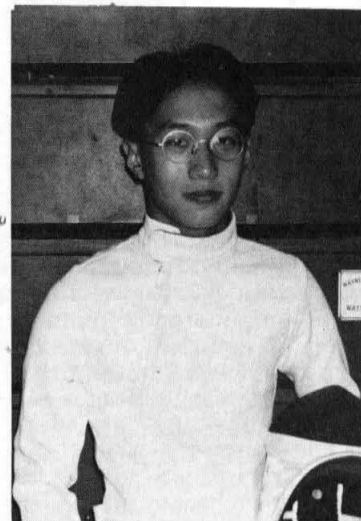
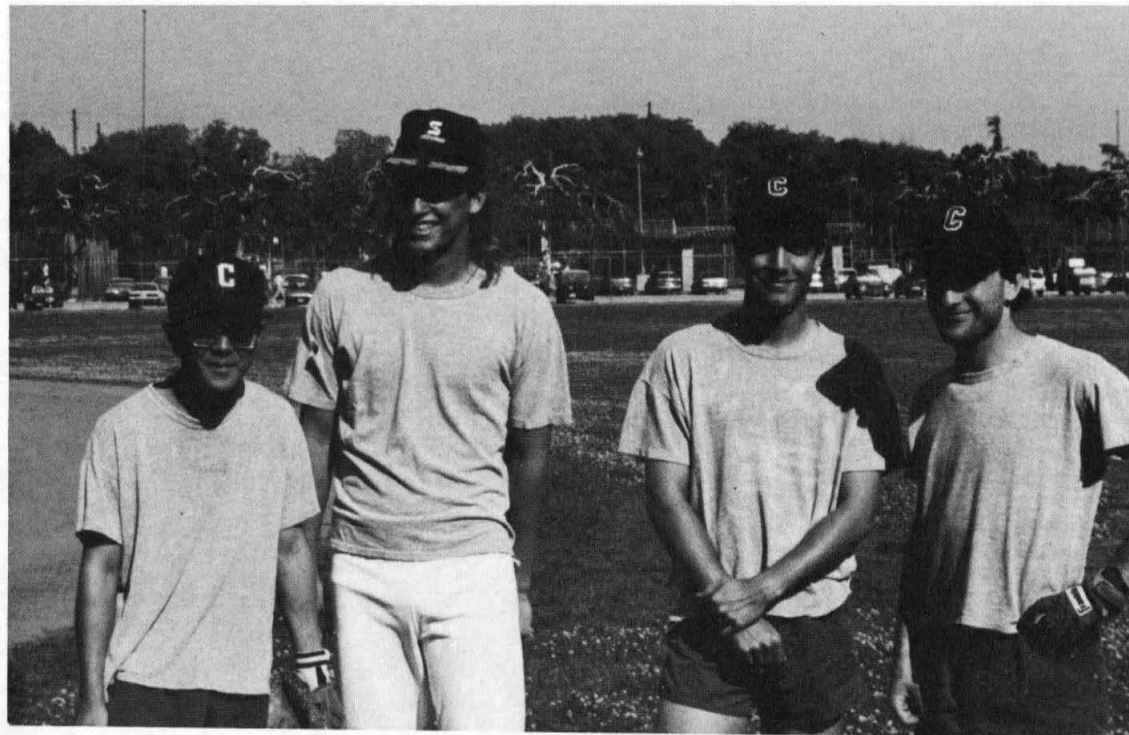
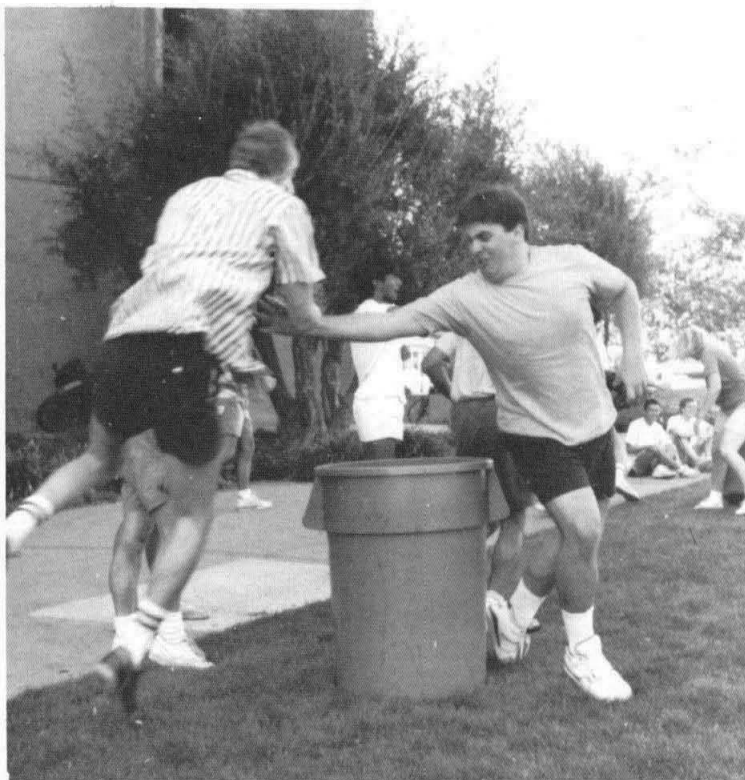






# Lloyd House Commitment to Excellence

The mere mention of the phrase "Lloyd House Athletics" brings to mind a myriad of stunning images and achievements. Whether it's a streak down the sideline for the winning touchdown, a Ruthian shot over the outstretched glove of the centerfielder, or a three-pointer at the buzzer to win the game--the men and women of Lloyd House never fail to prove their mettle when the game is on the line. By sheer force of will we command footballs, basketballs, volleyballs, and frisbees to obey our every wish and desire. We are kings and queens, rulings the course of athletic contests with an iron fist. Aluminum bats, tennis rackets, epees, nine-irons--we wield these tools of battle with a deadly skill and precision reminiscent of our barbaric ancestors. But savagery alone is not the hallmark of Lloyd House Athletics. We combine this barbaric intensity with a simple grace and beauty that transcends the game itself. The field is our canvas, and we paint it with vivid, flowing strokes of graceful skill and gamesmanship. Lloyd House merges brutality and beauty in such a unique way that we truly redefine the game each time we take the field. These photographs provide a few humble examples of the awesome power that is Lloyd





Lloyd House has long been dubbed the "Entertainment Capital of the World." More than 100 people spend some time in the House of Random Violence and its off-campus alley Corona each year.

*Fodor's Lloyd House* is designed to explain just what this stimulating house is all about. It is written to help you decide what to do and where to go once you are there. This book is intended to be your tool for making some order from the chaos of possibilities.

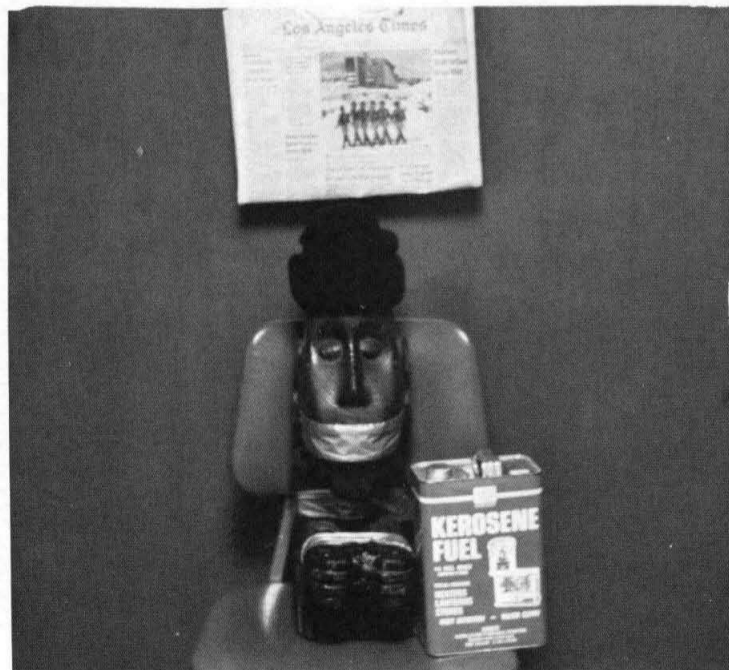
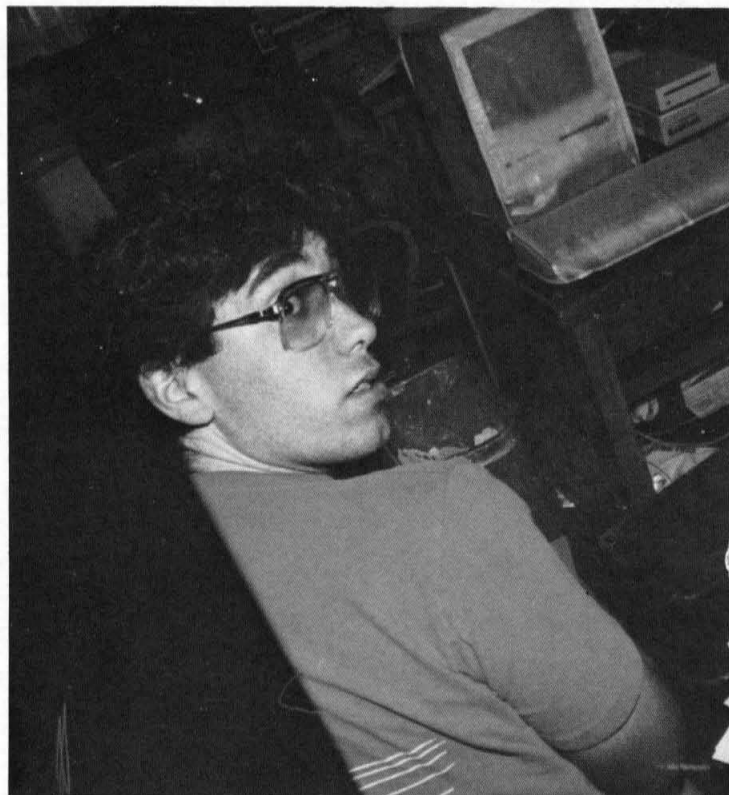
All selections and comments in *Fodor's Lloyd House* are based on the editor's and contributor's personal experience. We believe that our first responsibility is to inform and protect you, the reader. Changes are bound to affect any travel guide, however. We welcome letters from readers on these changes or from those whose opinions do not differ from ours.

The low wail of power chords greets any visitor to Inferno. The musical stylings of Tim Crowder provide the aural texture that makes this alley great. If you listen carefully, you can hear "The Quiet Storm" - a soothing mix of heavy metal and rap. Spend a few moments sharing ideas with Aimee Smith, President of Lloyd House; and say "hi" to the new VP if he skates by. Donald North, another resident, can always be counted on to contribute his views on audio equipment, personal relationships, or *Sanford and Son*. We must caution you, however, that you are likely to be accosted by a tall guy in goofy-looking goggles asking you to "play Hearts after dinner." Star Trek fans take note: David Townsend in Room 125 shows episodes constantly and provides a hammock for visitors. Admission is free.

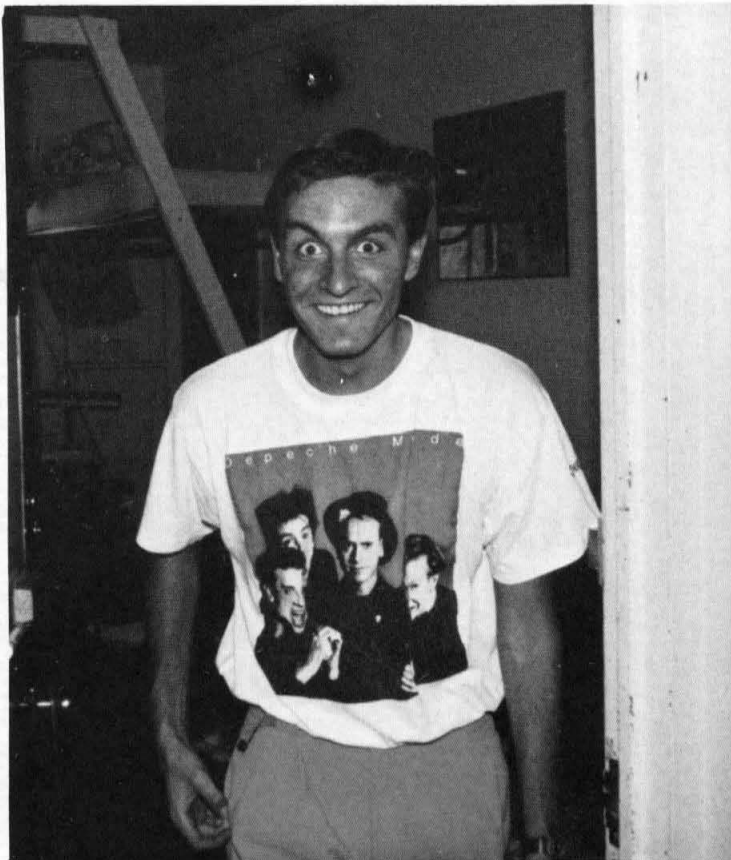
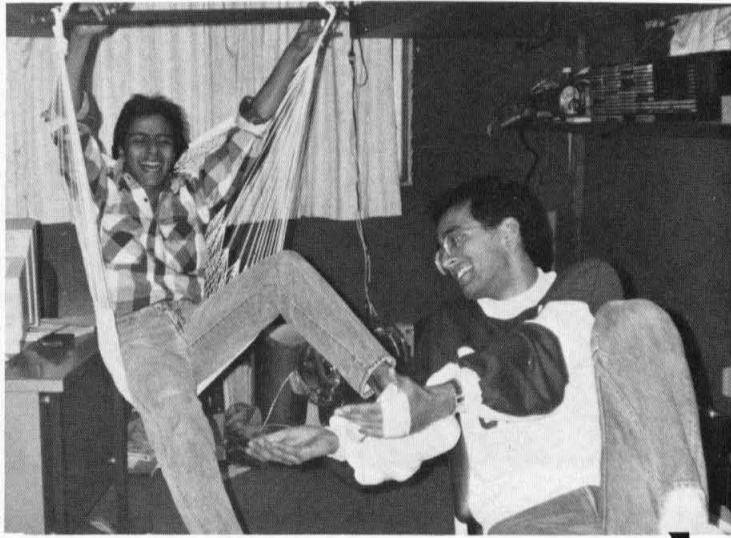
Leaving the blazing fires of Inferno for the cool breezes of Tropicalalley, power chords take a back seat to the metallic edge of "industrial" music. Piped through three separate stereo systems, be prepared for an ear-splitting helping of Negativeland or other repetitive noises. B.Y.O.B. (Bring Your Own Bowl) on Sunday nights for free Chinese food courtesy of Karen Shih. Keith Akama furnishes a veritable smorgasbord of activities, ranging from pyrotechnics to recorder music. Hunting is strictly prohibited in these here parts, but that doesn't stop good ol' boy Scott Newell from taking potshots at faggoty-ass-lookin' travellers with his .22 Rimfire. Besides rifle shooting, many other less dangerous sports are also enjoyed in Tropicalalley--just ask the resident gamesmaster John or gamesmistress Christy for information regarding athletic endeavors of any sort. And if you are especially fortunate on your visit here, you may even catch a glimpse of the exotic animal known as Wendychandler. A telephone, drinking fountain, and restroom facilities are conveniently located here as well.

Before proceeding to the next alley, one side trip is of note: the Lloyd House Computer Room. Several computers in various states of repair are available for your enjoyment. The weary traveler can stop and play Tron, Bombs, or one of two varieties of Tetris. On your way out, stop and listen to Chris Alexander discussing Superheroes and hit points.

To enter Headquarters, you must go up a flight of stairs. The first-aid station located here is operated by the Lloyd House Health Advocate, Swathi Ganaraj. Condoms, blood pressure readings, and Betadime antiseptic are available on request. Across the hallway, spend a moment with the Fun Bunch. Mike, Ted, and Julian will demonstrate Grandmaster-







level chess and serenade you with the strains of Vanilla Ice. Hawaiian Host Iron Mike Ida will provide ample quantities of Spam and conversation. Wanna fight? Come check out the sparring arena in room 226 and go a few rounds with Sanza and Shiyin. Unfortunately, the ever-popular Maloney shrine to Elvis has been closed until further notice.

K-A-O to the S in full effect, boyeeeee! Word 'em up! We got DJ Ari Fresh wit the totally hype jams. The dopest, freshest sounds allowed by law from my main man Deejam. I got my man Lavar and my man Landy in the place. My homegirl Aud in the house. Ya know we got Double DR gonna git you on the dance floor. My homey John Gass takes no shorts. All the ugly people be quiet!

On the way to Virgin Islands, the lucky traveler may be offered some Trader Joe's cheesecake from Shubha Tole. You may elect to take a slice, or watch Doug Peterson devour it all like an ant on a dead turtle. As you approach Virgin Islands, you will probably notice at once the extensive mural, a public works collaboration between the Polytechnic High School and the residents of the alley. While looking around, visit the com-"bo" room and be entertained by the antics of Jazzbo and his young assistant Sambo. You'll agree- "It's the best thing!" Next door, Jong Moon and Roy Lee's place is open 24 hours a day and nighttime visitors can hit the jackpot with bargains from the Home Shopping Network.

The most interesting attraction in the alley of Fingal's Cave is the Fingal penny jar. Recently recovered through the efforts of the Lloyd House freshmen, the jar provides the traveler with opportunities for entertainment and slave labor. To locate the jar, listen carefully for the theme to *St. Elsewhere* or equivalent soft-rock hits. While you're around, check out Chris Ward and Bang Dang's whiteboard for lyrical enlightenment from Jane's Addiction or Depeche Mode. Also, Inferno's ever-popular Flight Simulator has been relocated to the Cave, under the auspices of the Boy Wonder Jeff Hagen. Proceed with caution: the alley is guarded by the Fingal's Fencers, Lisa Moesker and Aaron Clements. I'd sooner mess with Texas.

Coming back down the stairway, you encounter the alley of Valhalla. Valhalla is best known as the final resting place for brave and mighty warriors who have lost their lives in glorious battle. But in Lloyd House, Valhalla is the home of many living and breathing warriors who spare not those who would heap dishonor upon their worthy names. This fearsome band is led by the merciless Melinda--her victims say more than "Au" when she unleashes her heaven-sent fury upon their heads. Often joining Melinda on the front lines are the awesomely powerful Dimitri the Skullsplitter, the Master of Torment Keith Schneider, and the dashing Prince of Pain Dan Sandoval. Visitors should also beware the ear-splitting sonic assault that at times emanates from the eerie Keyboards of Kazor and from the mouth of one known only as Lung. Two late additions to the alley have only added more firepower to an already formidable lineup--Doug, the self-proclaimed Harvester of Eyes who escaped from the fiery pits to join these blessed warriors, and Vania the Bold, whose charming exterior belies her true warrior spirit. Use caution when travelling through Valhalla, for to anger its denizens means quick and certain death. Your first misstep will also be your last. Heed the words of Odin. . . .

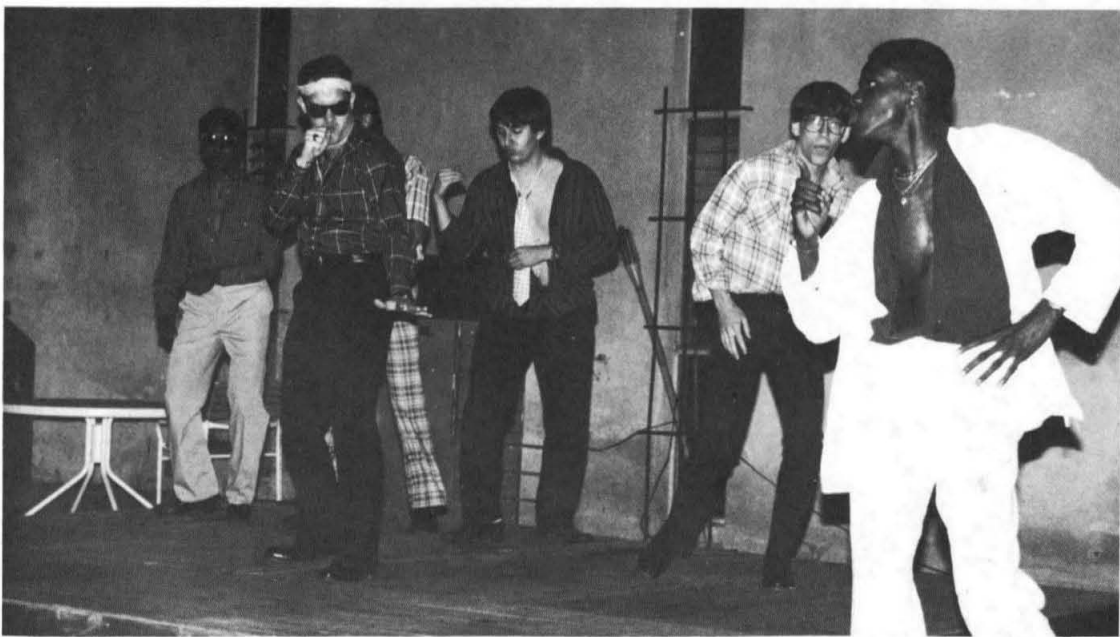
From the Valhalla exit, take the concrete walkway to Ruddock House. On second thought, go around Ruddock, as it reeks of cat excretions and stale flour. A brief walk brings you to the condemned alley of Corona. Waugh! It's best to visit around the lunch hour. The smell of curry permeates the house, and it's easy to be lured into the tangled relationships of *All My Children*, which airs every day at noon. After lunch, if you're still thinking of food, some *Ready, Set, Spaghetti-agē* could supply some intellectual nourishment. All in all, you'll find that Corona provides the perfect ending to your Lloyd House vacation.





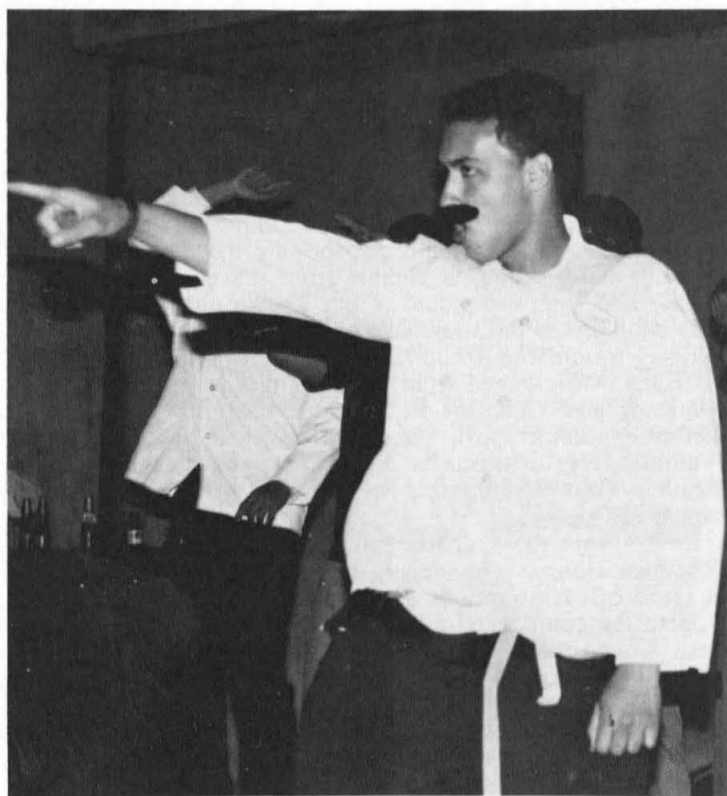
"Who shot who?" Doug and Sonny shot the bartender

"It's an ancient Chinese art, / And everybody knew their part. . ."

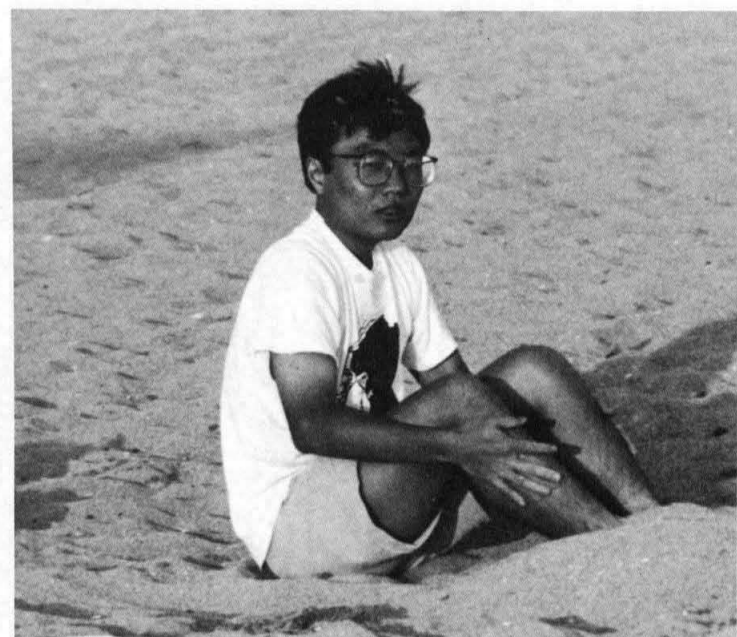
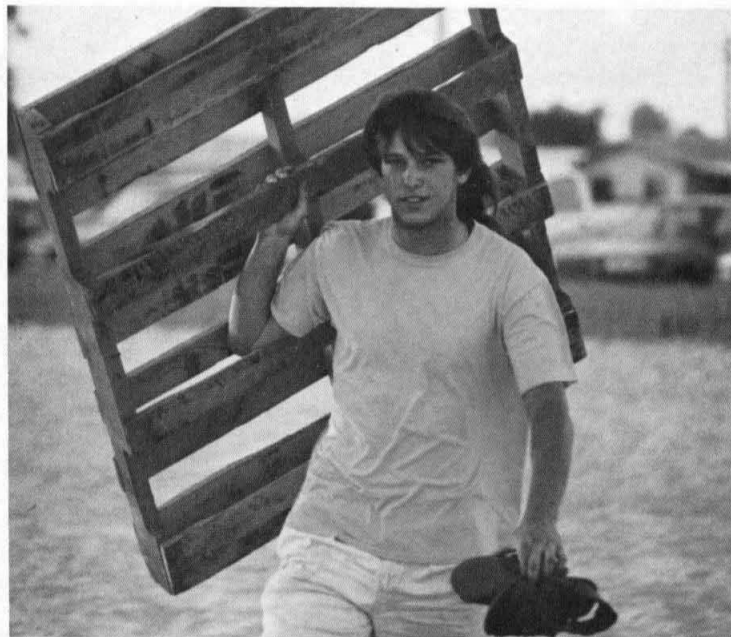
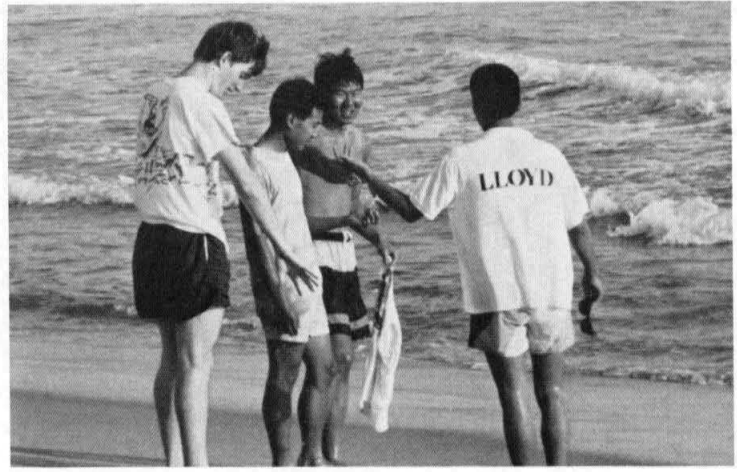


Jeff will "tell you once again - Who's fat!"

"What do you expect from a girl and a goatherd?"

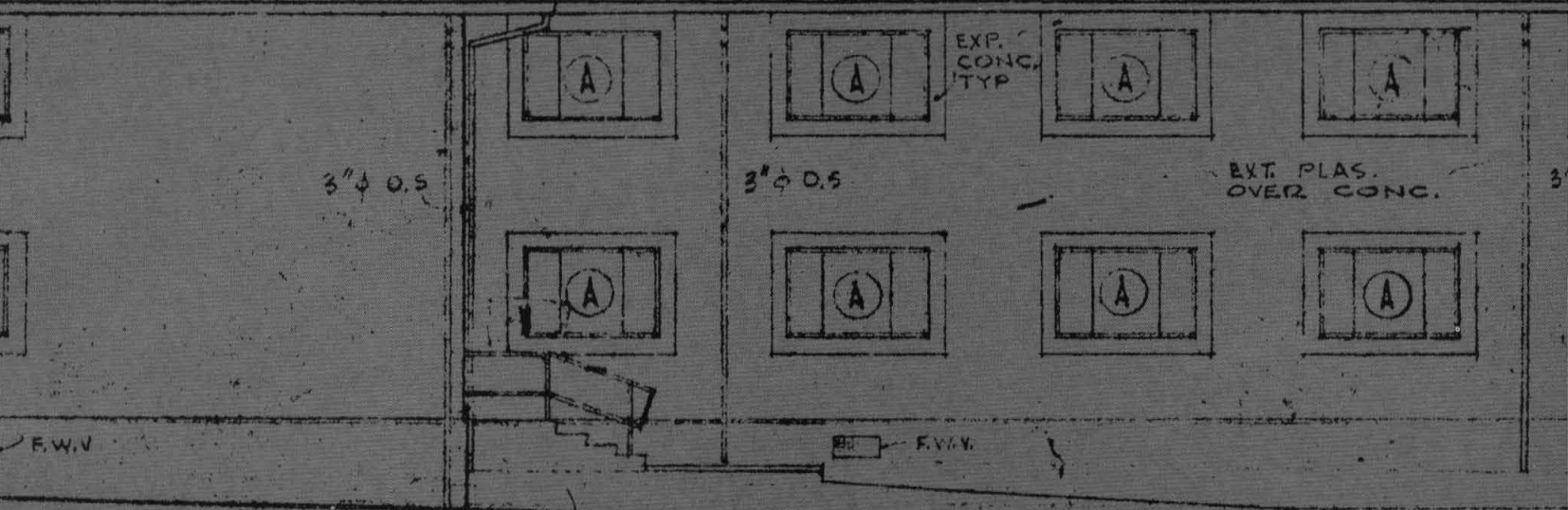






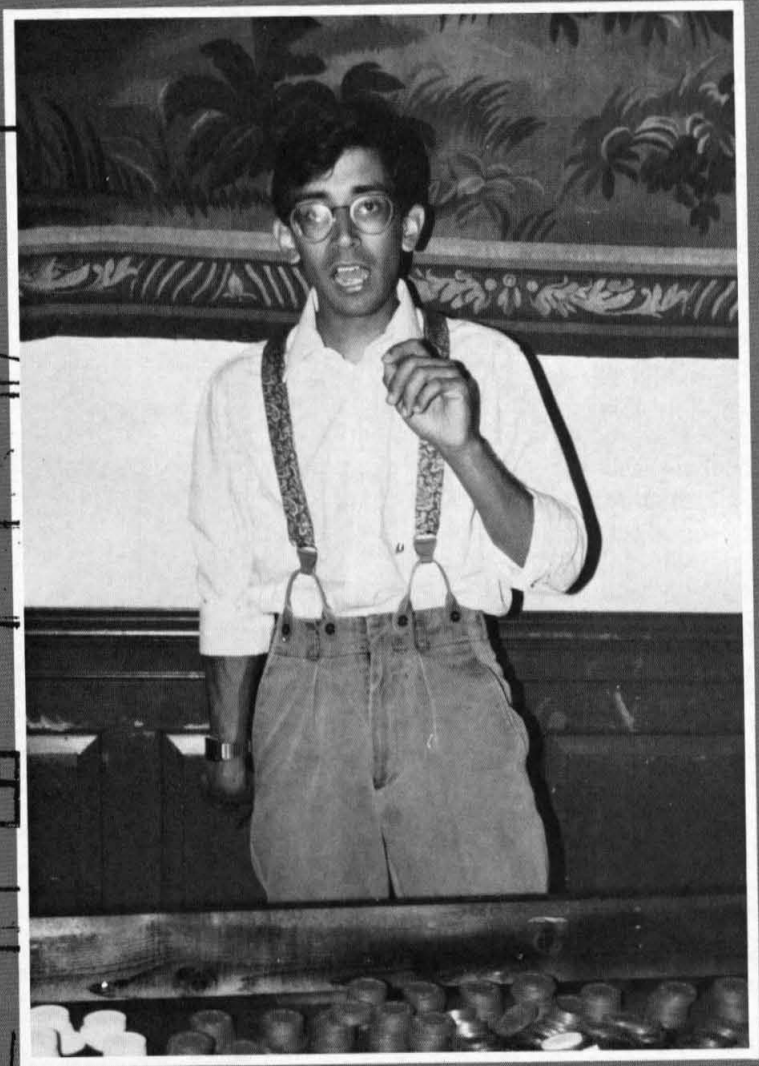
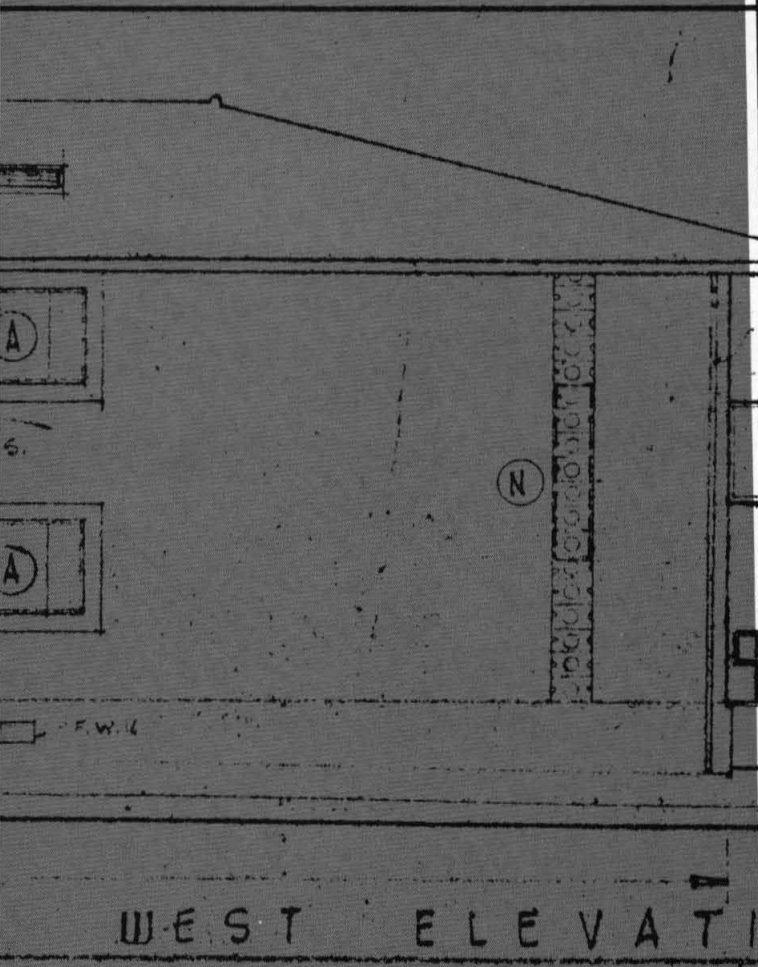


TILE ROOF



UNIT "A"





PAGE



# WELCOME

October 1, 1991. Rotation. When it began, who imagined that we could ever pick a lamer frosh class than last year's? When it was over, who could argue that we hadn't?

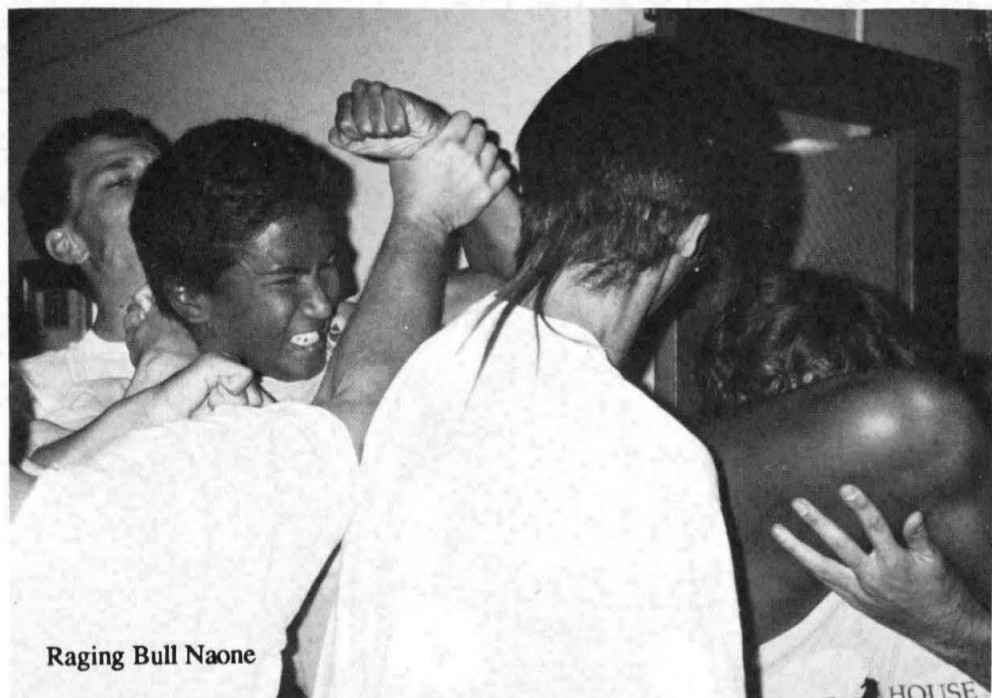
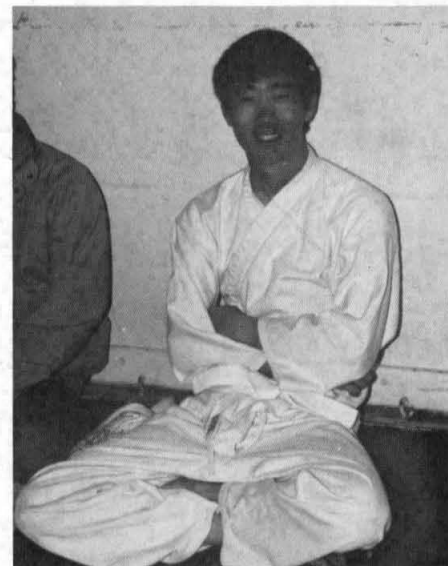
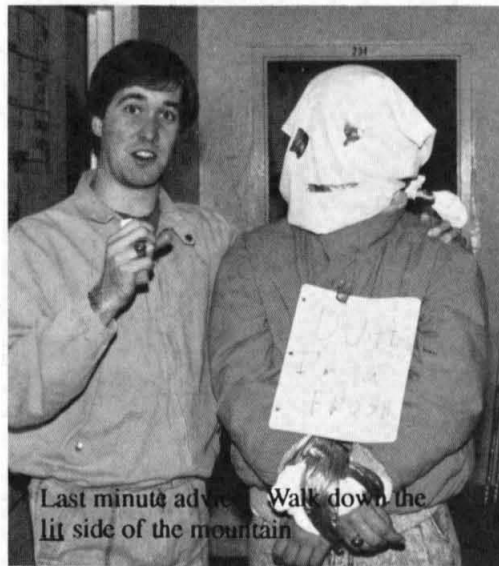
Yes, Page House welcomed its lamest frosh class ever, including two new RA's, Pedro Pizarro and Monica Kohler, with the traditional showering in. This was followed by the Annual Greased Frosh races and the Golden Throne was won by Sorry Ari Alley.

Frosh elections were held and Bryce Elliott was elected House Mouth, Seiya Fukuda Bell Frosh, and Ari Pine Birthday Frosh/Transfer. To illustrate how lame the Frosh were, the Bell was lost not once, but twice, and no one had a birthday after the middle of November.

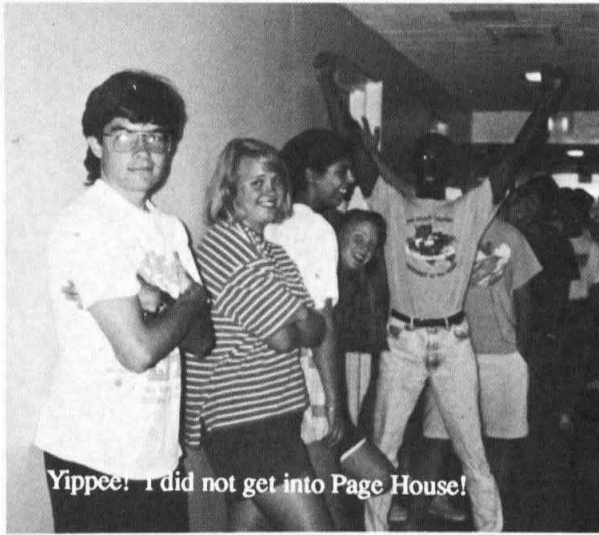
For the first time, the Beer Frosh Competition could not be held in the Beer Room (because of DAPAC), so the event was shown on closed circuit television. Bryce also won this competition, but Dave Goldberg stole the show. Dave set a new competition record for the slowest time to a shotgun a beer - 21 seconds.

The frosh-sophomore showering<sup>d</sup> wars took place and the freshmen have never been as clean since. The frosh were good at one thing though, the six-man lift. Eventually, the clueless ones were broken in and they all proved themselves worthy of the name Pageboy after their hike down Mt. Wilson.

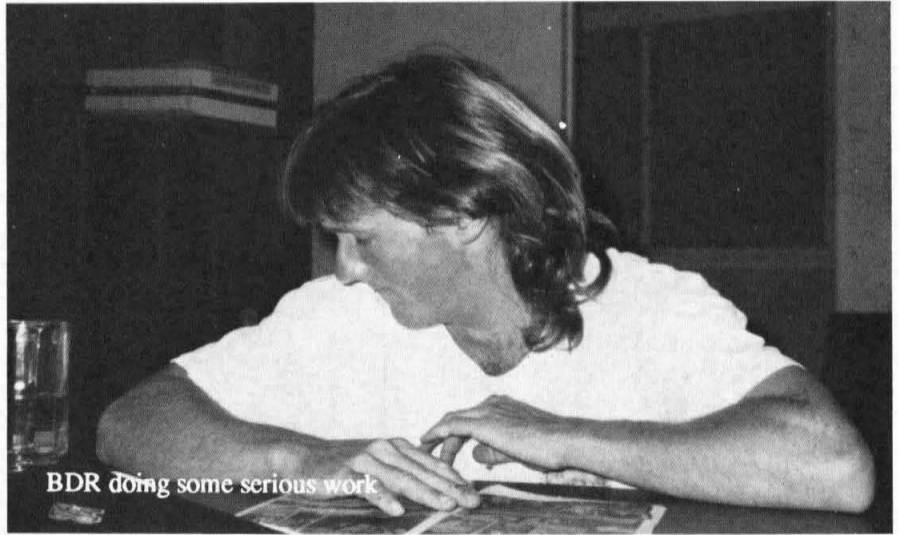
Things gradually returned to normal and everyone got ready for the long year of work ahead of them, with only a few minor distractions...



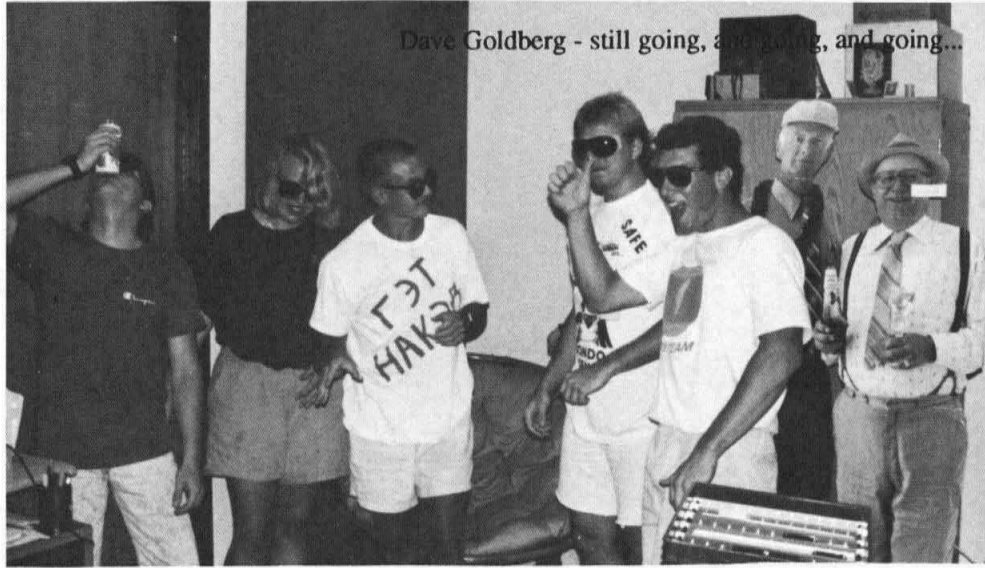




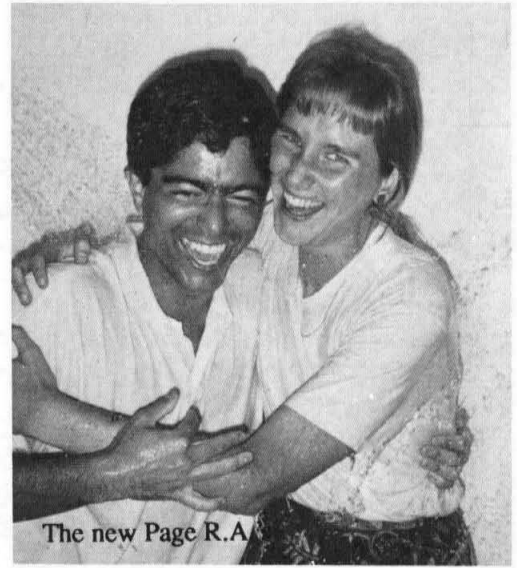
Yippee! I did not get into Page House!



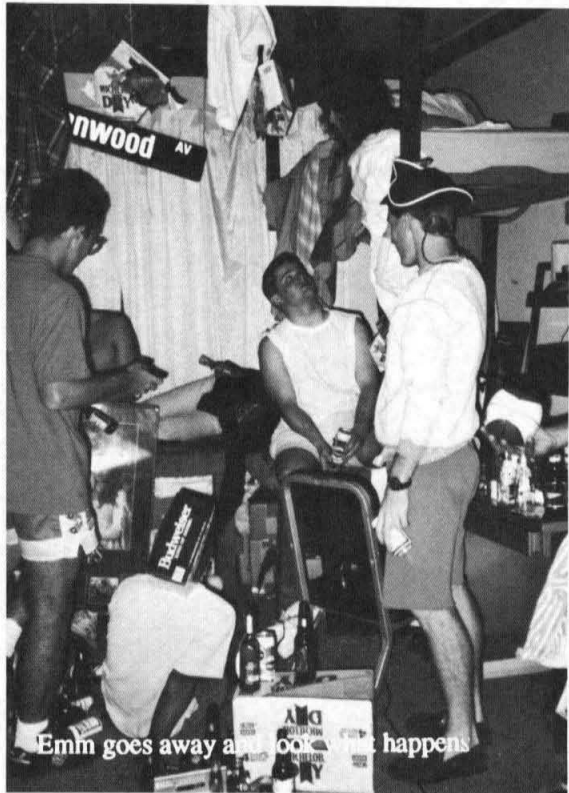
BDR doing some serious work



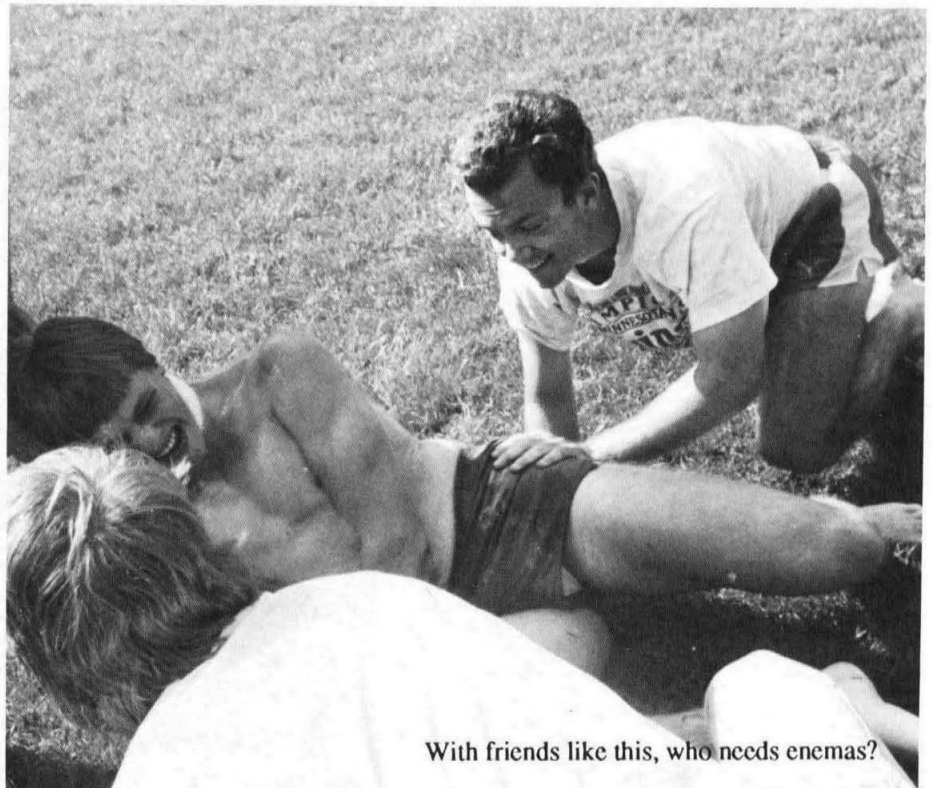
Dave Goldberg - still going, and going, and going...



The new Page R.A.

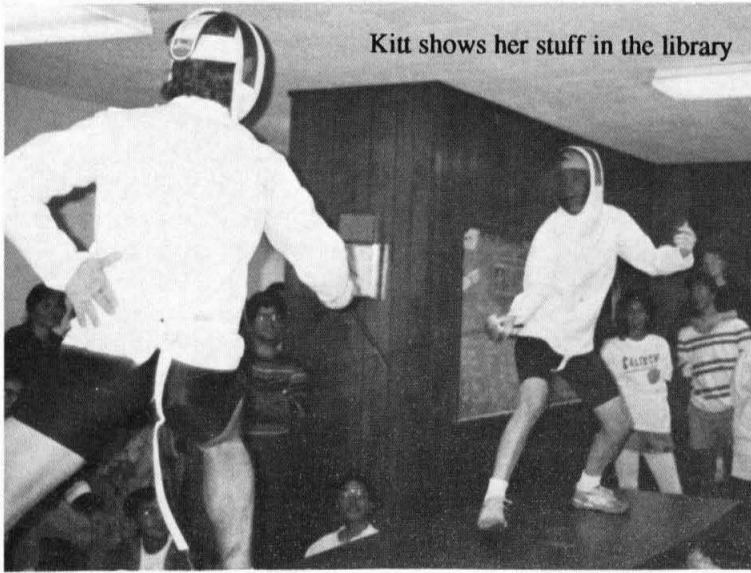


Emm goes away and what happens

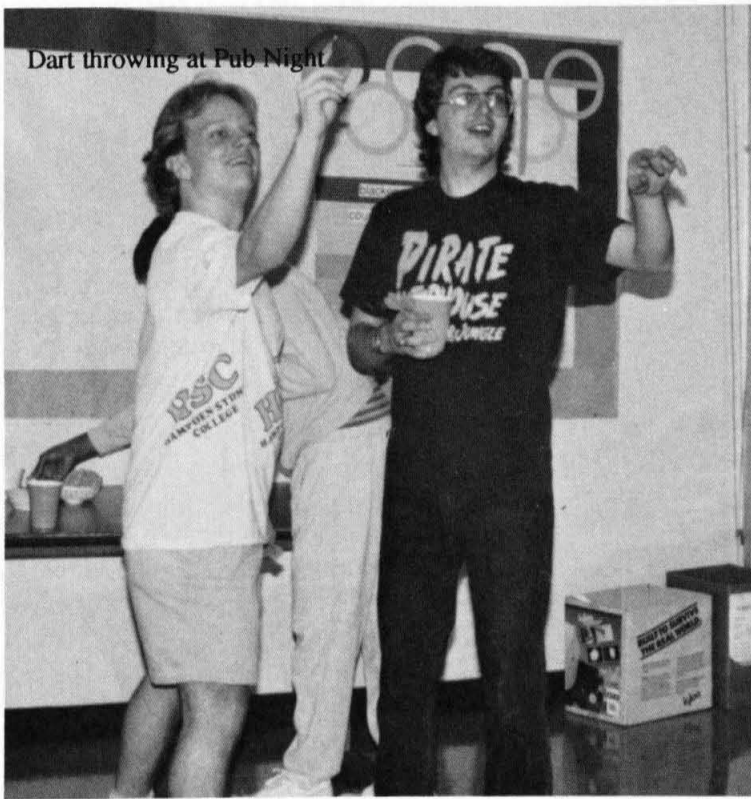


With friends like this, who needs enemas?





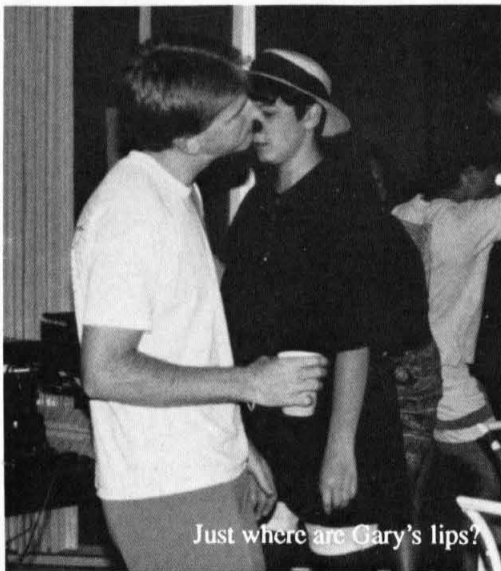
Kitt shows her stuff in the library



Dart throwing at Pub Night



Ari on the move



Just where are Gary's lips?



Mad Macs wins Pinewood Derby



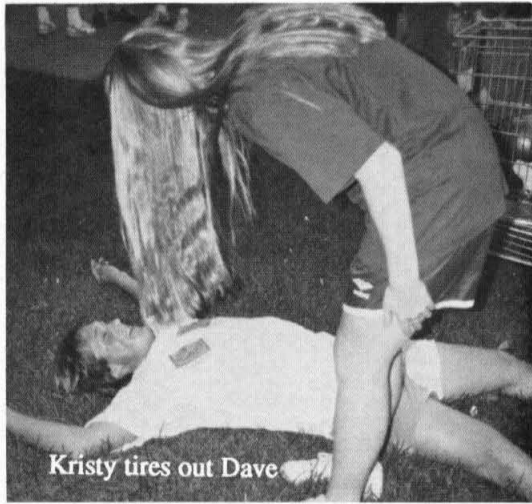
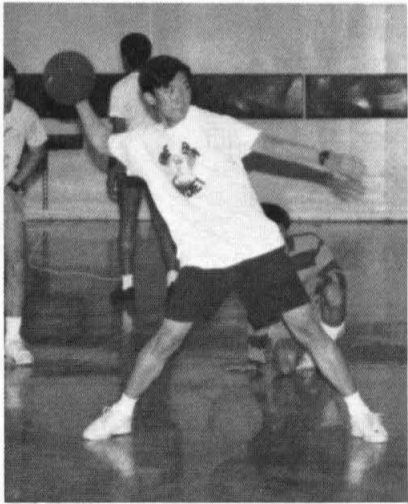
# SOCIAL EVENTS

Page House once again lived up to its billing as "The Social Mecca of the Western World." Each week had its own social event, from pub nights to fencing in the library to wienie roasts whenever dinner was inedible (which was quite often at the end of the year.)

There were also the numerous road trips to Magic Mountain, Golf 'n Stuff, Disneyland, the Norton Simon Museum, the Dodgers-Reds game, and to the beach. There was even a house ski trip to Mammoth Mountain over the long weekend in February.

The highlight of the year, however, was the First Annual Alley Olympics. Alleys competed in a total of nine events, three per term, in an attempt to win honor and glory.

The events included a grueling Shopping Cart Relay, a Scavenger Hunt, an Egg Toss, Dodge Ball, a Pinewood Derby, Jello Sucking / Jello Throwing, Capture the Flag, and a Rafting Relay. It all came down to the final event, Carbonated Crew, in which Butt F\*\*\* Alley narrowly defeated Counterweight and Blackened for the Championship.



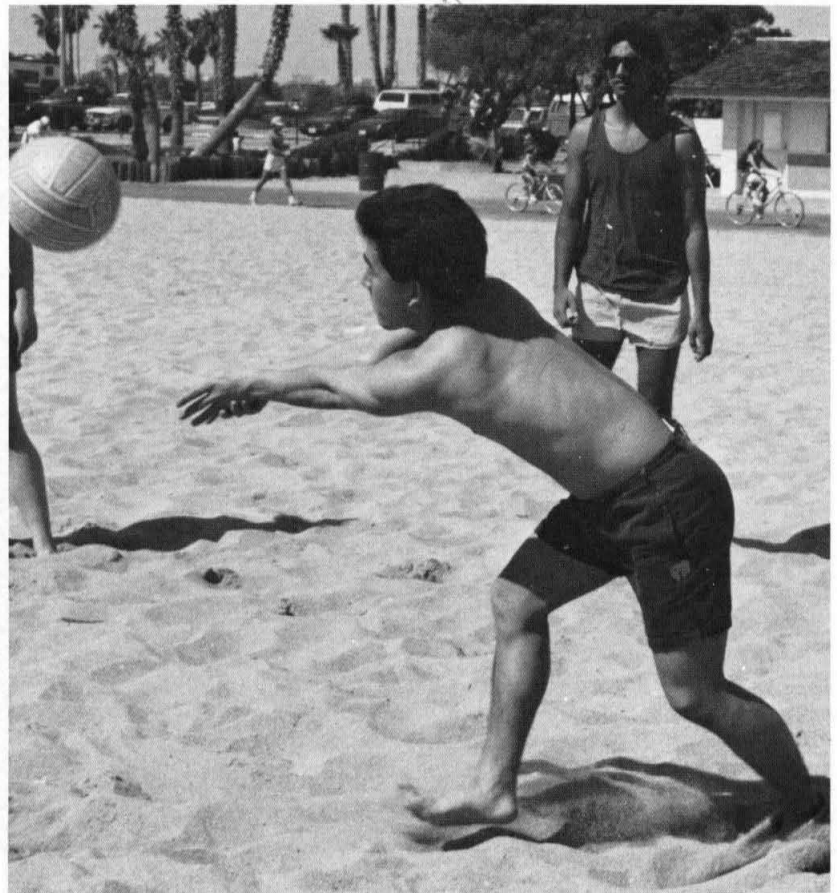
Kristy tires out Dave



Cool Guys at the Beach

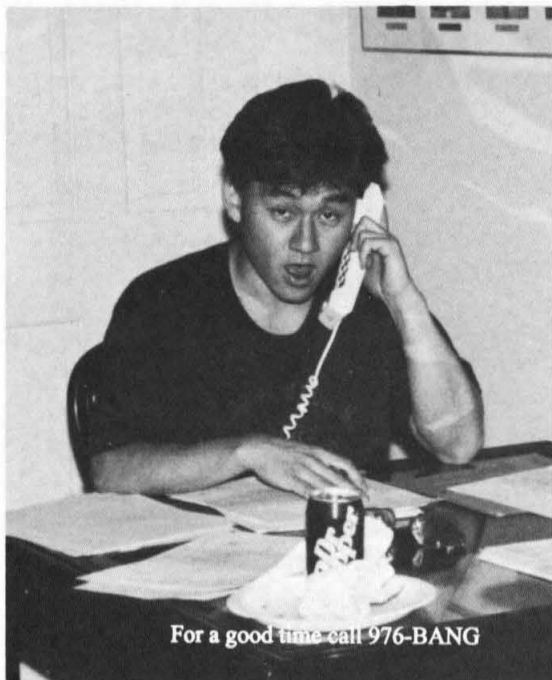


The Short Oriental Miniature Golf Team





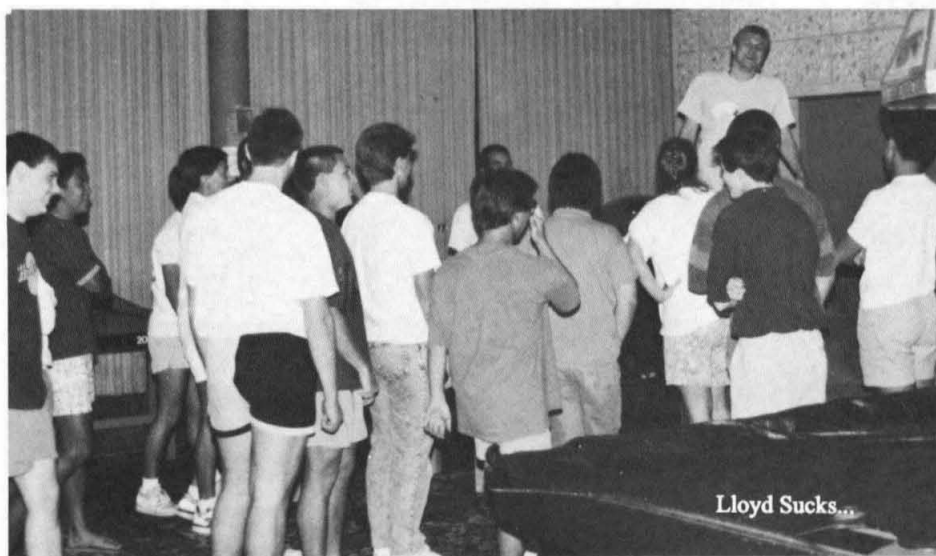
# FRESHMEN



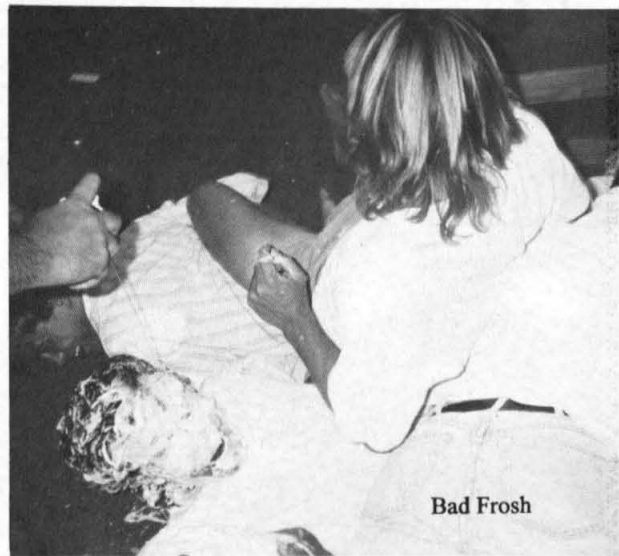
For a good time call 976-BANG



**Front Row (left to right):** Mike Wong, Teru Miyake, Won Bang, Derek Surka, David Krum **Middle Row:** Seiya Fukuda, Bryce Elliott, Dave Goldberg, Monica Silva, Chinley Chang, Kristy McAdams, Jennifer Trittschuh, Katie Coughlin **Back Row:** Brett Warneke, Mike Brundage, Eileen Brooks, Brian McAllister, Joe Long, Stephen Rhee, Ryan Naone, Marcus Chen, Nhat Nguyen **Absent:** Jeff Barker, Tom Fink, Ramesh Gopi, Charles Halloran, Robbie Langston, Ruchi Yongsunthon, Maha Zewail



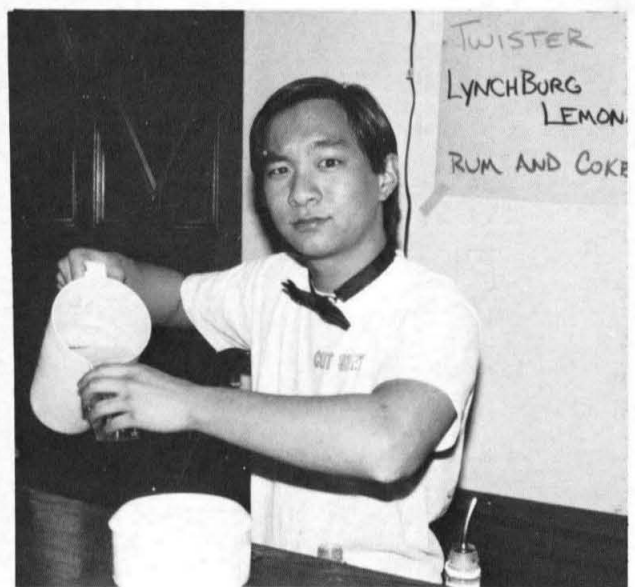
Lloyd Sucks...



Bad Frosh



Jen and Derek get each other wet



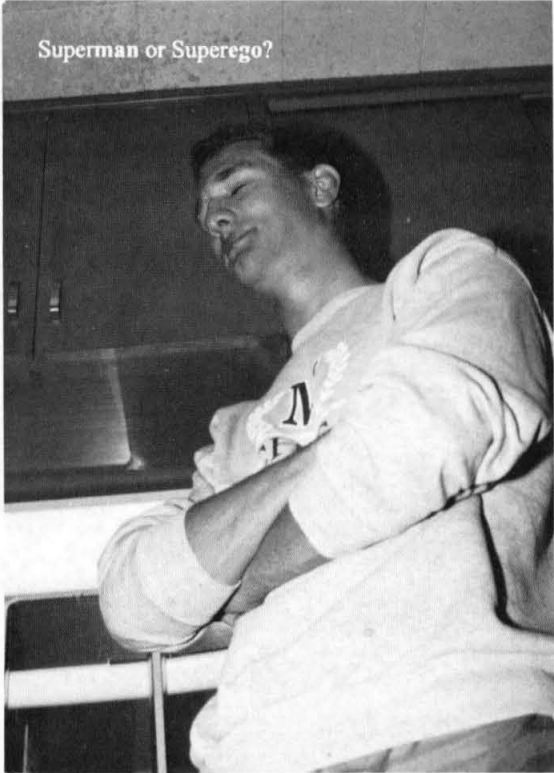
TWISTER  
LYNCHBURG  
LEMON  
RUM AND COKE



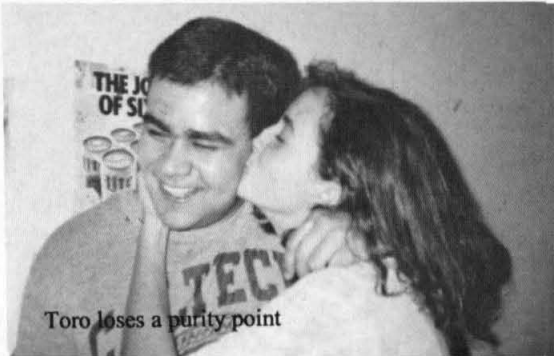
# SOPHOMORES



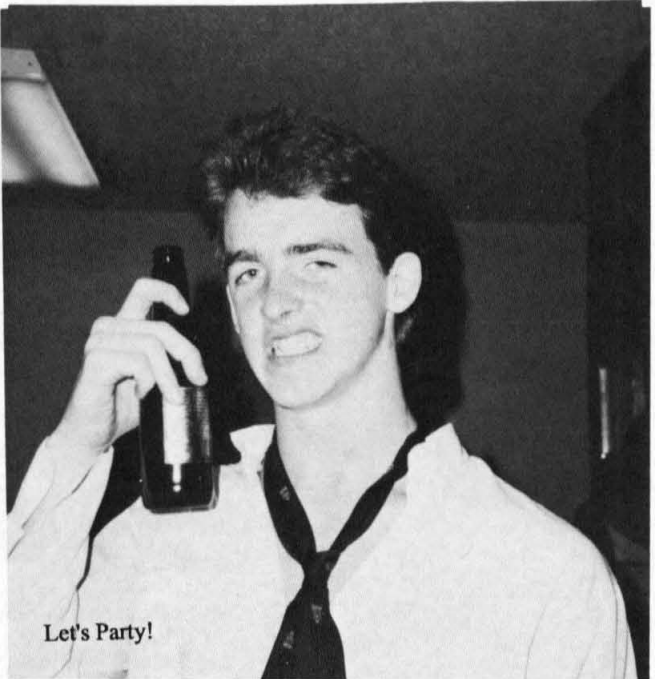
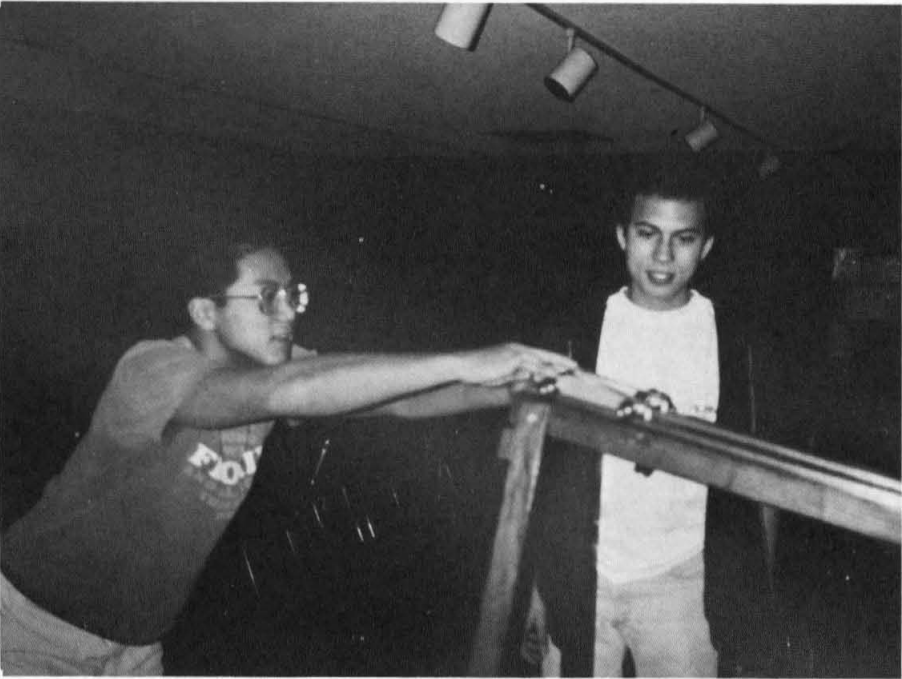
**Sitting (left to right):** Rob Whitely, Paquito Gomez, Matt Ashton **Front Row:** J.P. Kovalik, Richard Chiu, Nathan Frei, Snehal Adodra, Paco Herrero, Win Chamberlain, Korhan Gurkan **Back Row:** Anup Jatia, Dave Lande, Steve Marschke, Tim Firman, Hsiu-Hsien Ling, Todd McLaughlin, Greg Dudey, Greg Wardle **Absent:** Seleka Bulumulla, Terry Chay, Yanga Fernandez, Anthea Howell, Nitya Kitchloo, Chuck Kwon, Ella Lurie, Whye-Kei Lye, Jason MacLeod, Don Matsubayashi, Mimi Sengupta, Doug Shields, Chon Torress, Yuan Tung, Kevin Wang



Superman or Superego?



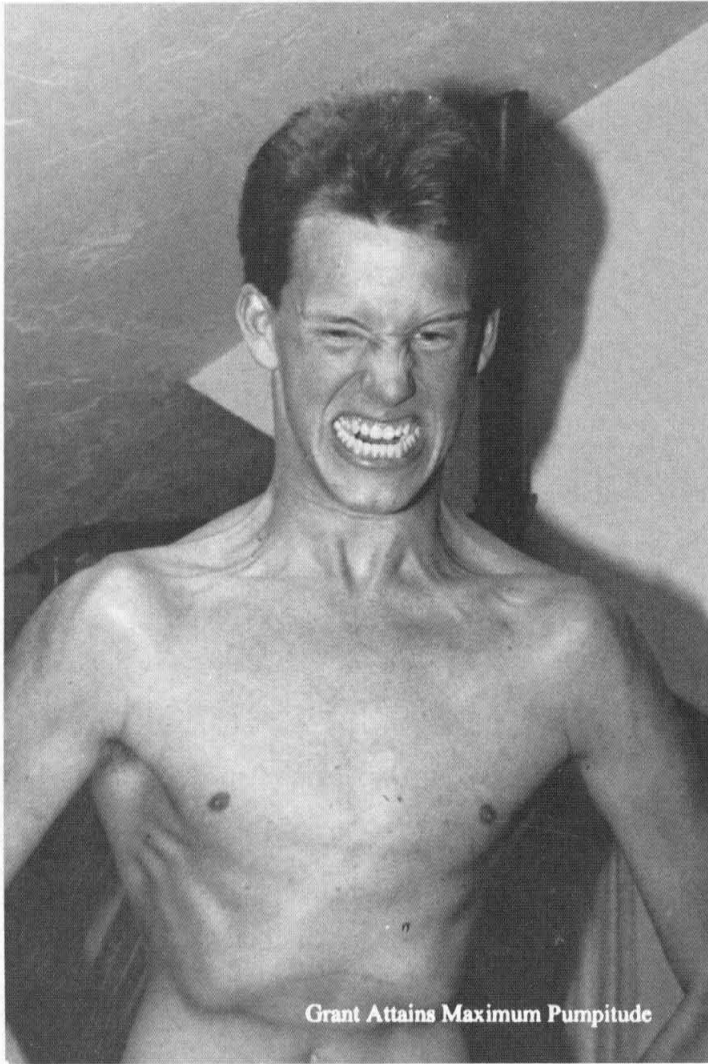
Toro loses a purity point



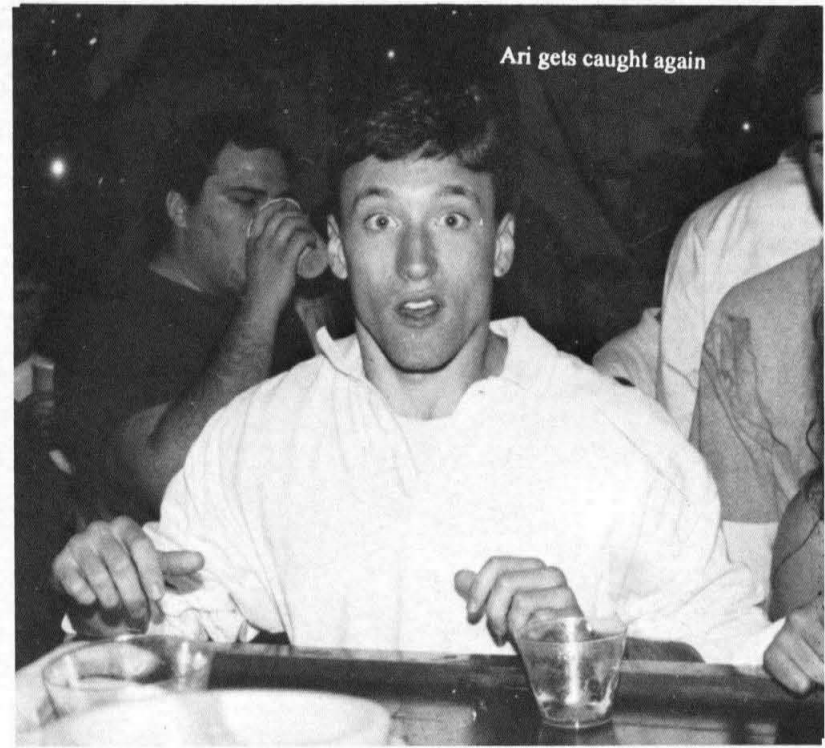
Let's Party!



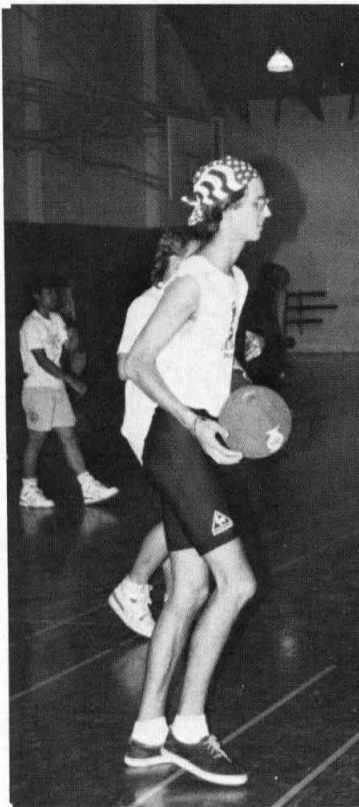
# JUNIORS



Grant Attains Maximum Pumpitude



Ari gets caught again



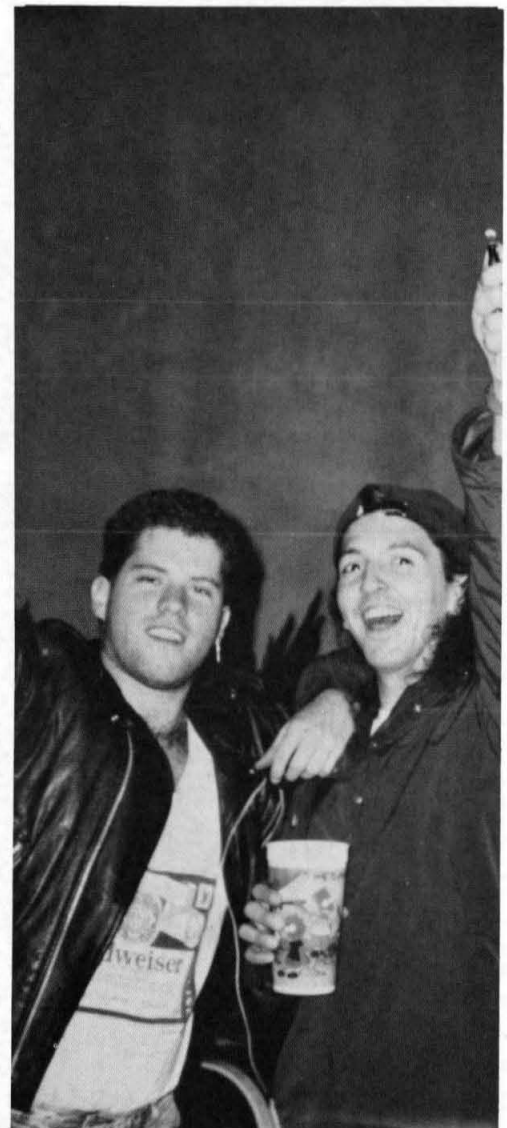
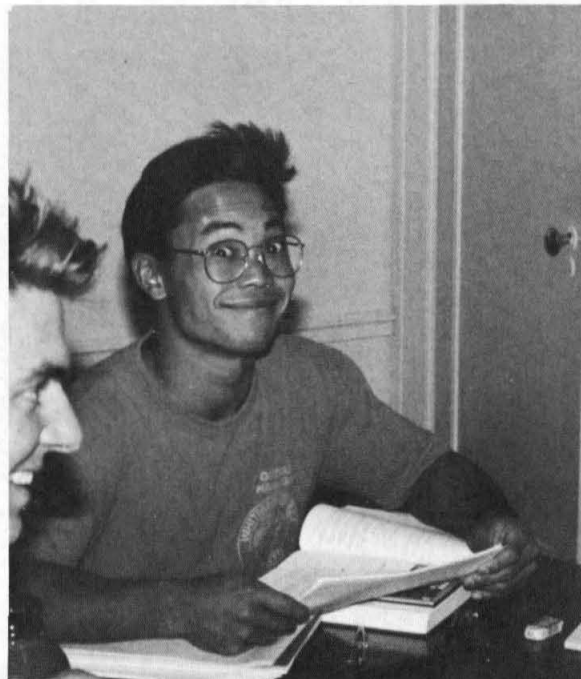
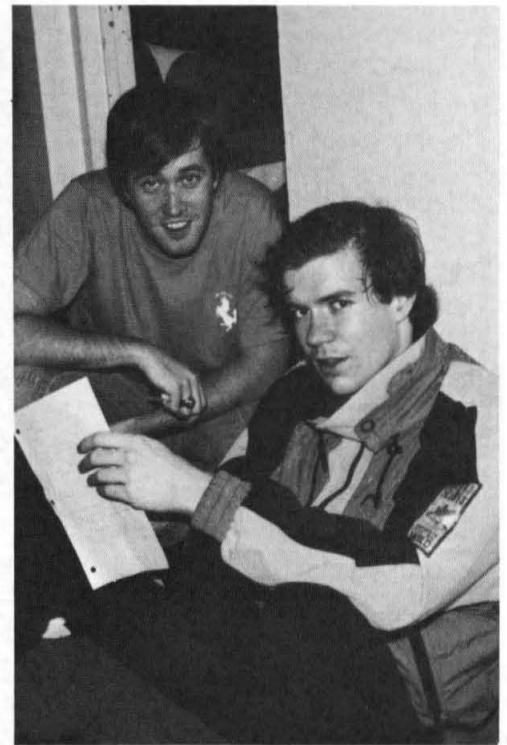
**Front Row (left to right):** Tal Schwartz, Gary Foote, Nancy Hua, Tamaki Murakami, Ki Pak, Dave Ross, Ari Pine, Eric Stout, Emmeline Naranjo, Wayne Davis, Hanna Hsu, Chip Morris **Back Row:** Kevin Park, Jerri Martin, Emerson Tongco, Lan Smith, Matt Fields, Grant Sitton, John Pakianathan, Cris Daugbjerg **Absent:** Dave Cutrer, Dan Flees, Andrew Fung, Jimmy Hu, Joe Jensen, Jon Kawamura, Dan Ko, Rob Liu, Dave Max, Jason Modisette, Mike Nassir, Shan-ng Pak, Oon-Gil Paik, Jim Rogers, Fred Sloneker, Kurt Stephens, Andrew Stevens, Allan Sumiyama, Ting Kin Tam



# SENIORS



**Front Row (left to right):** Eric Newman, Jinendra Ranka, Bappa Mukherji, Barry Stipe **Back Row:** Atul Suklikar, Bruce Macartney-Filgate, Mike Simpson, Brett Bochner, Mike Ehlers, Gary Eastvedt **Absent:** Sabeer Bhatia, Chuck Blake, Ajay Chheda, Mike Chou, Jonathan Chow, Allen Corcorran, David Coufal, Walter Crim, Mike Deem, Scott Dolim, Dave Emerson, Dave Garza, Varoujan Gorjian, Steve Harkness, Kitt Hoddsden, Jun-Young Jeon, Jennifer Joh, Tom Keifer, Keana Kim, Adam King, Robin Luckey, Dave Merrill, Sandor Nagy, Cass Nakasone, Steve Palm, Dan Pang, Tan Pham, Rajeev Ram, Mark Schmidt, Dylan Selegue, Brian Shim, Art Shmurun, John Wendel, Mike Youssefmir





# PARTIES

DAPAC came to Page House this year, telling us we couldn't drink in public. What did we do about it? We **partied** anyway. The rally cry quickly became "DAPAC no; Six-pack yes!" Some of the highlights:

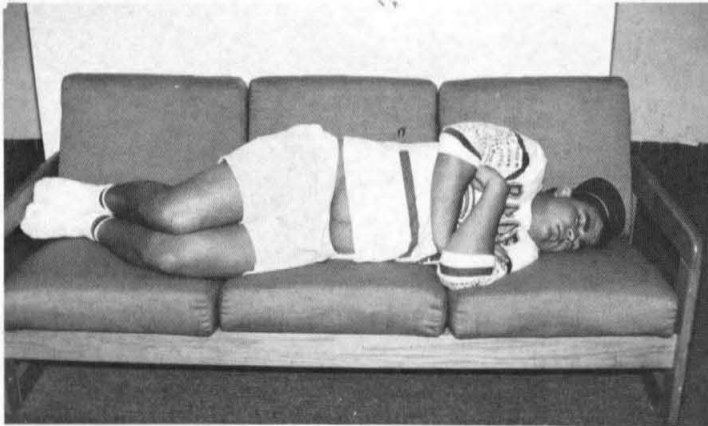
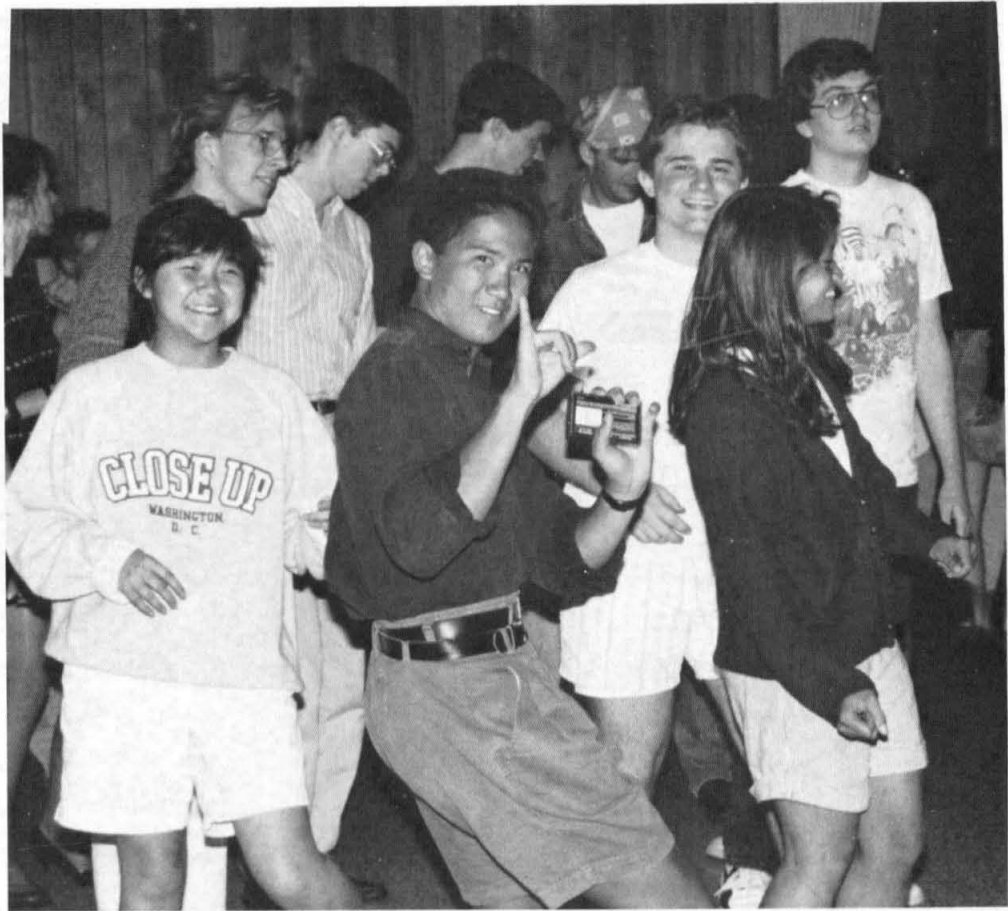
Interhouse was canceled. We threw a **party** starring Mega-Bastard instead.

The beer fridge was closed down. So, we started building the "weight room dedicated to 12-ounced curls" and then threw a **party**.

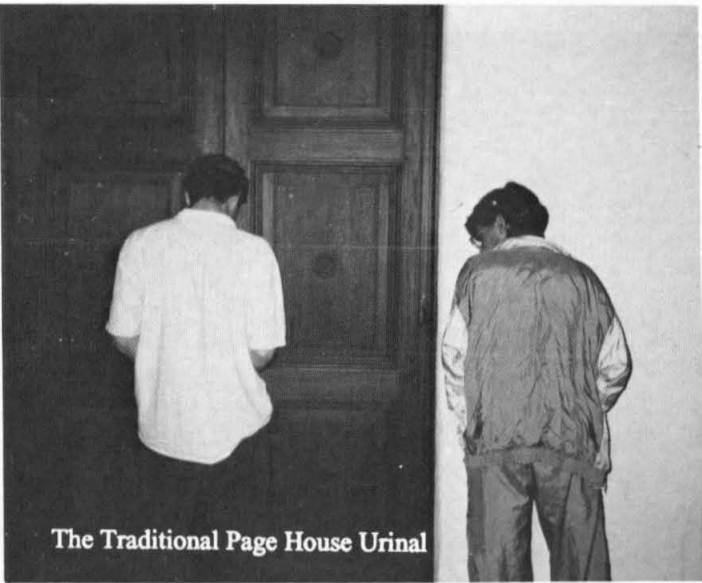
Pre-frosh weekend? **Pre-frosh Party**, featuring the last concert of that amazing Page House band "Fistful of Yen."

The **Frosh Toga Party**. The **Seven House Party**. The annual **Party at the Holly**. The weekly **Party at the Del**. The spontaneous **Parties in the Beer Room**.

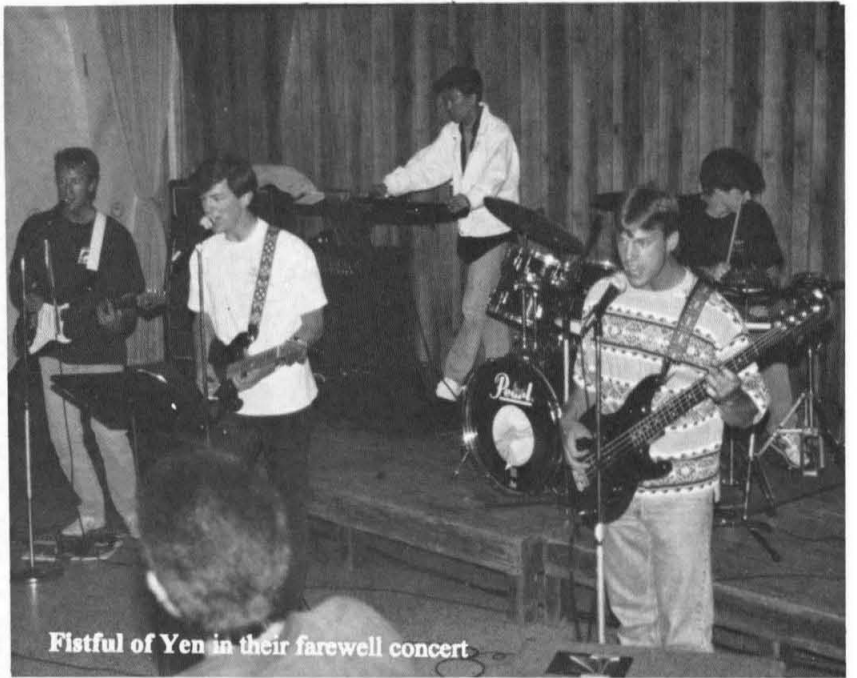
Yes, DAPAC came to Page House. But who cares?



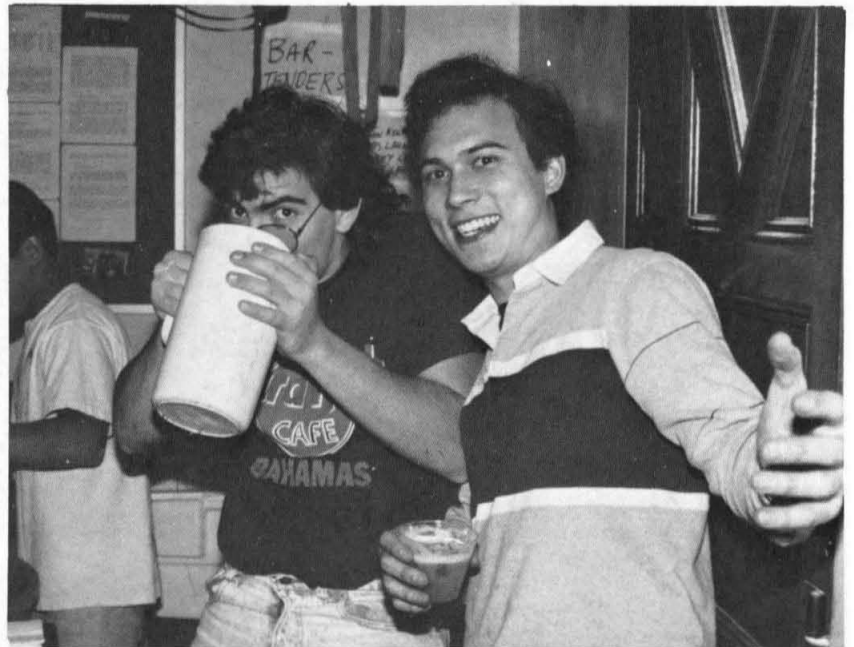
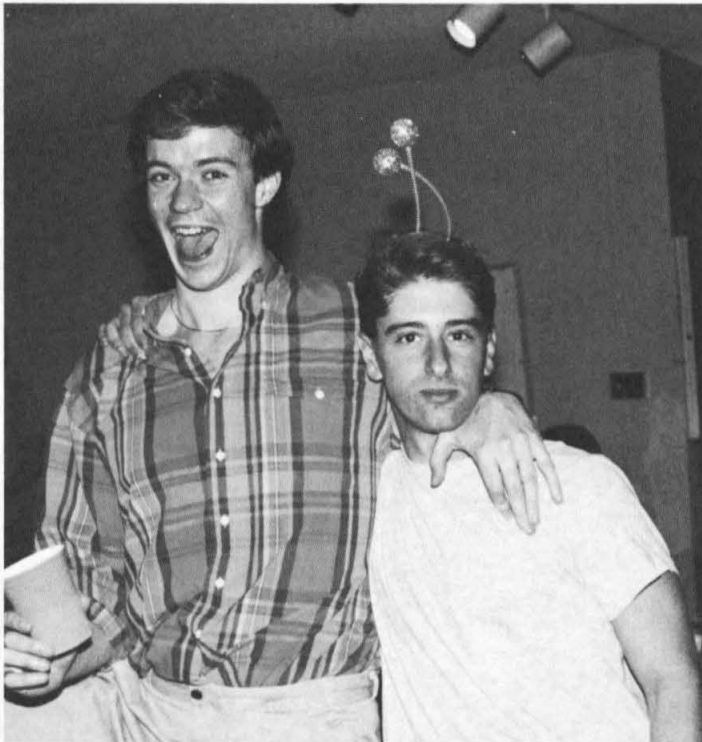




The Traditional Page House Urinal



Fistful of Yen in their farewell concert



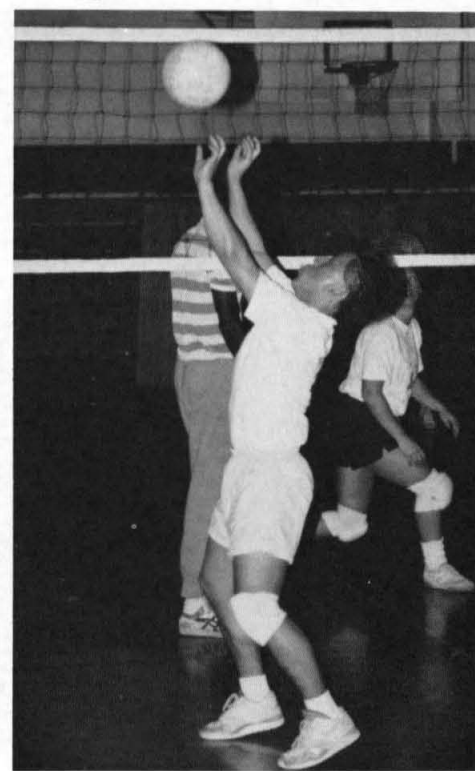
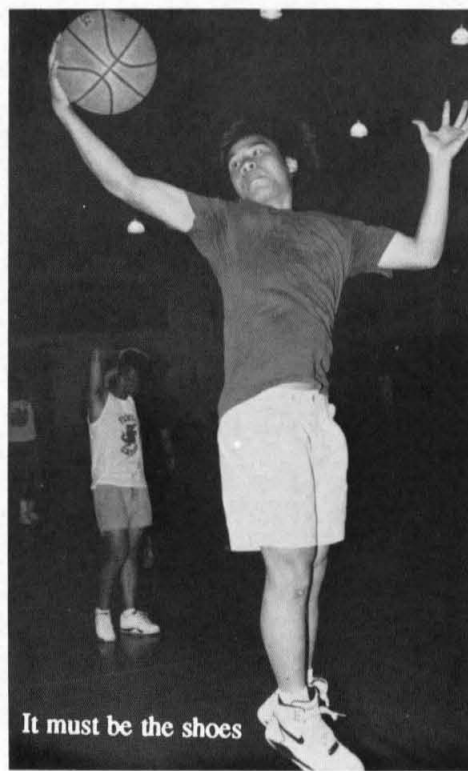
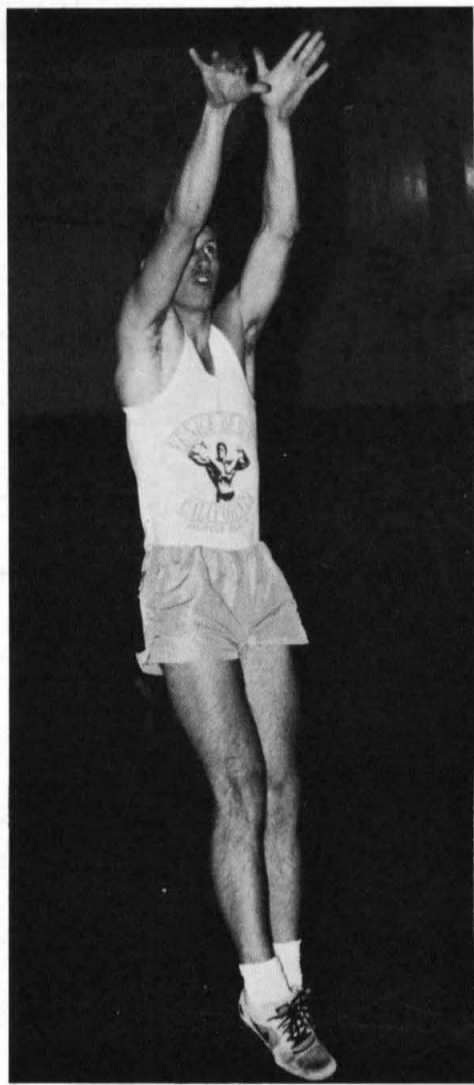
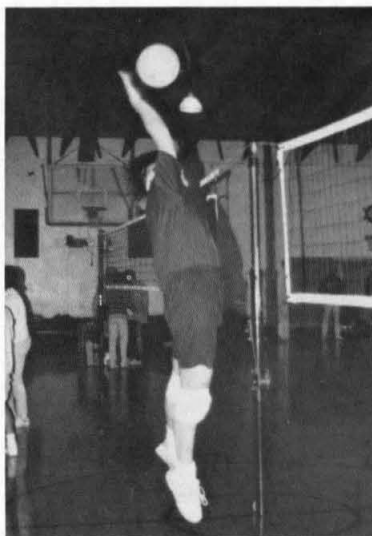


# SPORTS

In addition to being known for its social endeavors, Page House is also known for its athleticism. For the second year in a row, we captured the prestigious Interhouse Trophy and proved ourselves to be the studliest house on campus.

Aside from dominating the "traditional Page House sports" - soccer, football, track, and tennis - we also showed our athletic might in volleyball and ultimate. Considered the underdogs, we stunned everyone by defeating those pathetic Phlegms and tying for first in both events.

During third term, the Athletic Team organized a 2-man volleyball tournament. The response was so overwhelming that two divisions had to be created to make room for all 25 teams. In the end, Greg Dudey and Dave Ross earned the title "Gods O' the Court", but Todd and Won transcended godliness.





# DITCH DAY

Ditch Day finally arrived on Wednesday, May 22, providing fun and excitement, along with some frustration, for everyone. Page House stacks ranged from the impressive, special-effects laden "Indiana Jones" stack of Scott Dolim and Steve Palm (which never was broken) to the very straightforward math problem/cryptogram stack of Ajay Cheeda (which was quickly broken and counterstacked.)

Gary Eastvedt and Kitt Hodsdon's "Lifestyles of the Rich and Famous" stack supplied all stackbreakers with tuxedo shirts and allowed them to live out some of their most ambitious dreams. Paco was even flown out to Las Vegas to make some money.

Making money, through a variety of gambling and embarrassing bar bets, was the object of Bappa Mukherji, Atul Suklikar, and Jinendra Ranka's stack. "Spinal Stack", the invention of Mike Ehlers, Mike Simpson, Brian Shim, Robin Luckey, and Barry Stipe, allowed a select few underclassmen to live the lives of the British band "Spinal Tap". Armed with Spandex and cucumbers, the band members wowed the ladies with their looks and concert.

After a slow start, stackbreakers finally broke the "Portrait of a Nightmare" stack of Dave Emerson, Allen Corcoran, Jun Jeon, and J.R. The stack really was a nightmare as it took the underclassmen to all parts of the city. Dave Merrill and Rob Welstand's "What the hell is going on?" stack was a nightmare for everyone else on campus as stackbreakers generally pissed everyone off - with water balloons, personal insults, and fires.

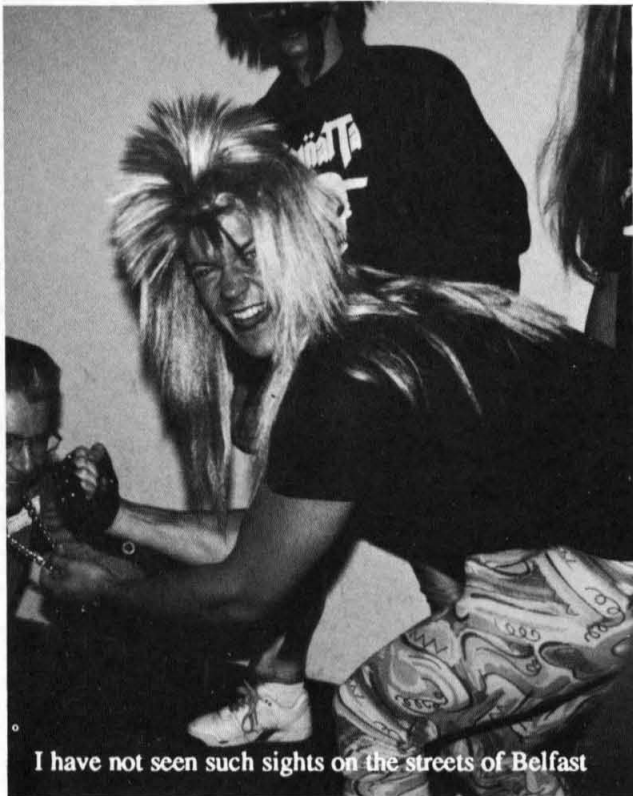
Mark Schmidt's stack revolved around his personal tastes, as did the stack of Bruce Macartney-Filgate and Chuck Blake, the latter quite literally. Mark's stack involved solving a series of puzzles based on entertainment. The final Page stack, the Holly Boys' "Centennial Stack" culminated with the painting of the words "Centennial Ditch Day" on Holliston. A fitting end to a very enjoyable day.



Bruce and Chuck's Taste-a-thon stack



Spinal Tap at Stonehenge



I have not seen such sights on the streets of Belfast

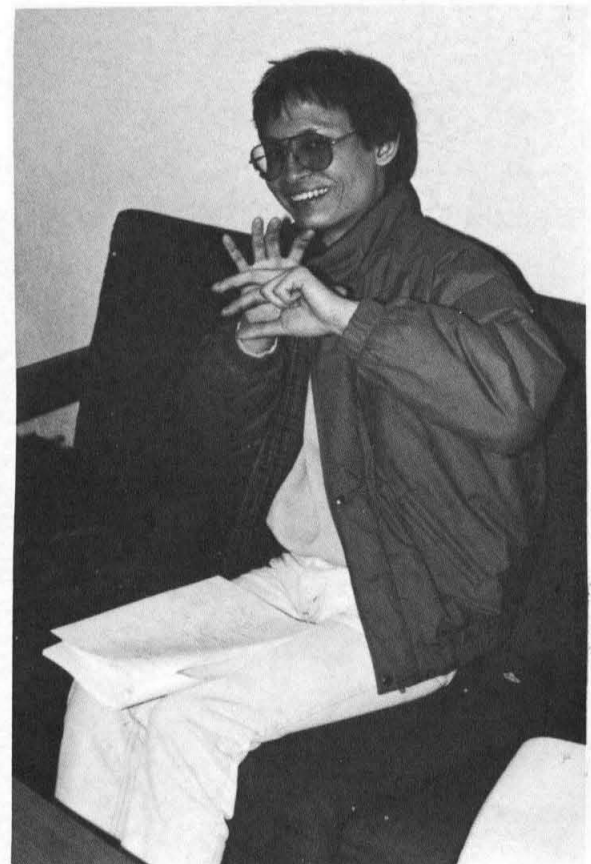
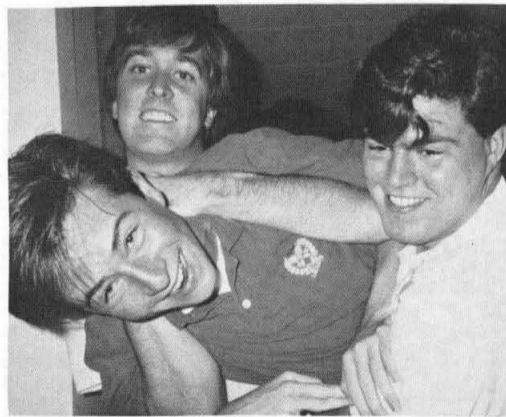
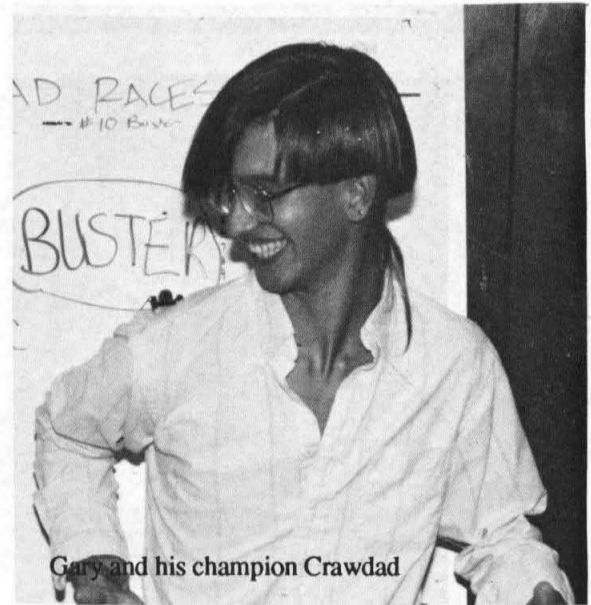
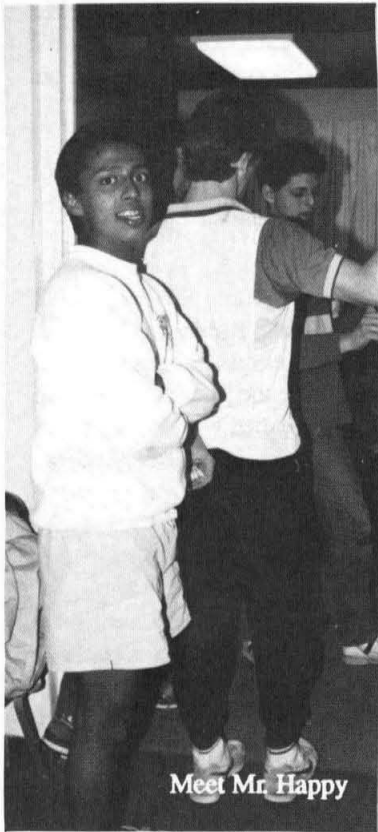
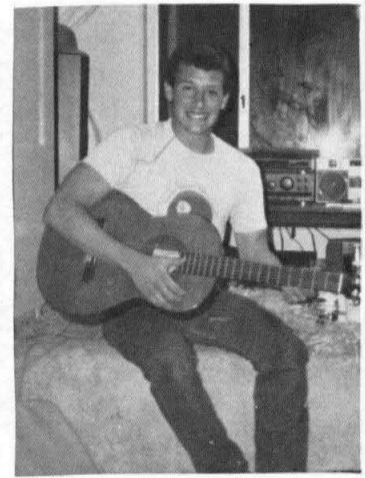
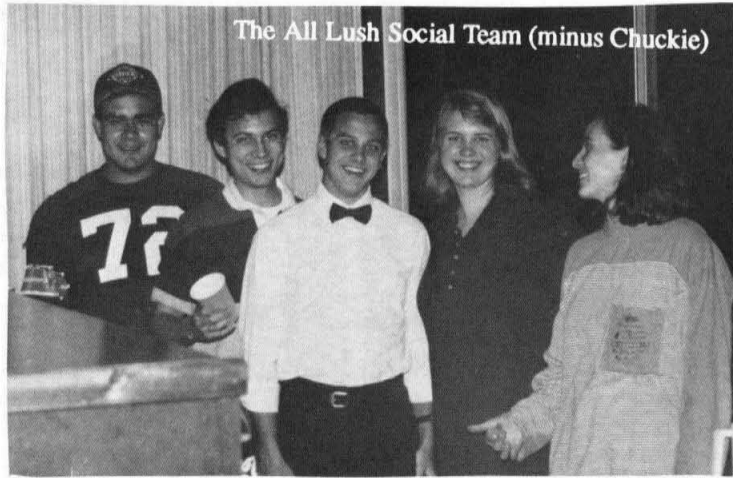


Jon Pak - painter extraordinaire



Lifestyles of the Rich and Famous



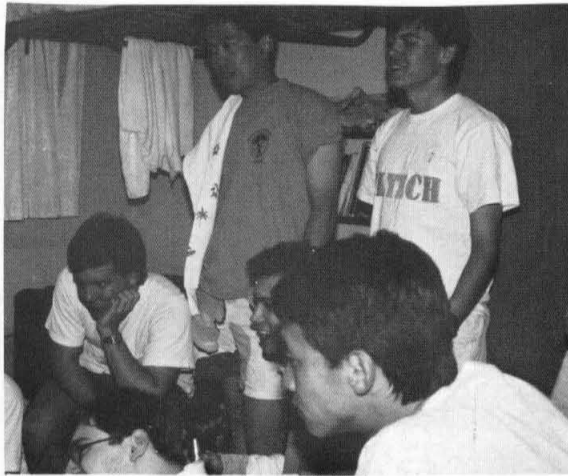




# PEOPLE

## EXCOMM 1990

- President:** Bappa Mukherji  
**Vice-President:** Gary Eastvedt  
**Treasurer:** Chris Goddard / Paquito Gomez  
**Secretary:** Rob Whiteley  
**Athletic Manager:** Dave Ross  
**Librarian:** Paquito Gomez  
**Social Team:** Matt Ashton  
 Jay Bromley  
 Paquito Gomez  
 J.P. Kovalik  
 Emmeline Naranjo  
**Ath Team:** Greg Ducey  
 Chris Goddard  
 Korhan Gurkan  
 Kristy McAdams  
 Todd McLaughlin  
 Chon Torres



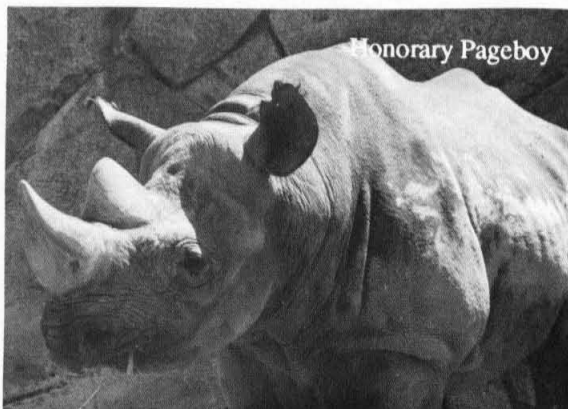
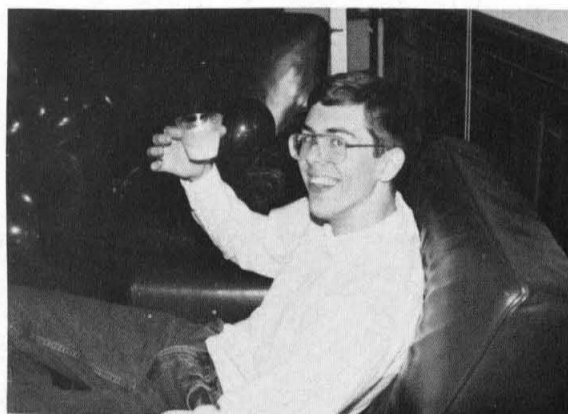
Graduates go job hunting

## EXCOMM 1991

- President:** Emmeline Naranjo  
**Vice-President:** Paquito Gomez  
**Treasurer:** Korhan Gurkan  
**Secretary:** J.P. Kovalik  
**Athletic Manager:** Todd McLaughlin  
**Librarian:** Chinley Chang  
**Social Team:** Katie Coughlin  
 Charles Halloran  
 Derek Surka  
 Chon Torres  
 Jennifer Trittschuh  
**Ath Team:** Katie Coughlin  
 Greg Ducey  
 Korhan Gurkan  
 Ryan Naone  
 Greg Wardle



Preparing for the Rhinô



Honorary Pageboy

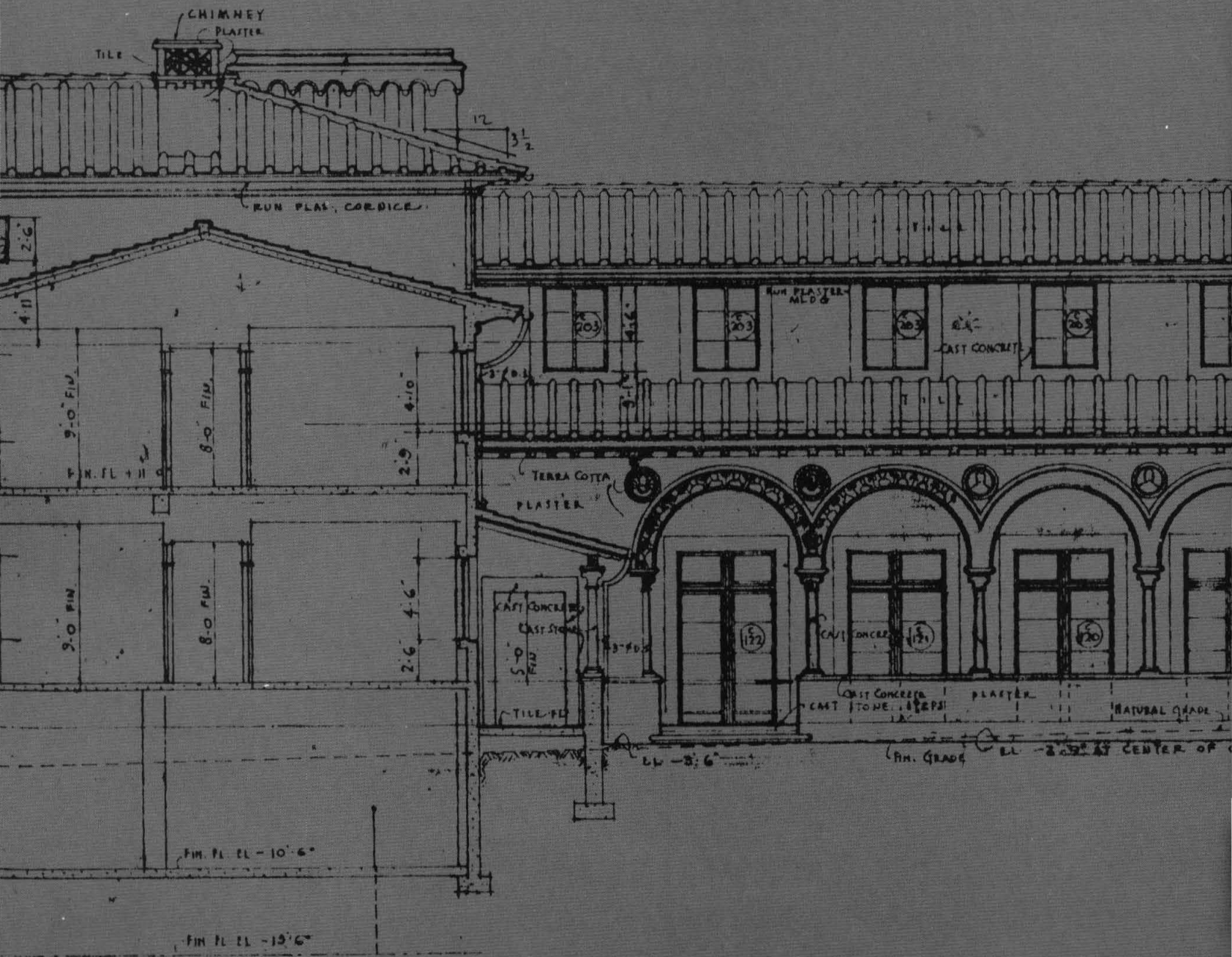
## CREDITS

**Section Editor:** Derek Surka

**Assistants and Photographers:**

- Paquito Gomez  
 J.P. Kovalik  
 Teru Miyake  
 Tamaki Murakami  
 Dan Pang  
 Jinendra Ranka  
 Jennifer Trittschuh









RICKETS



The Diaries of a Post-Holocaust Survivor

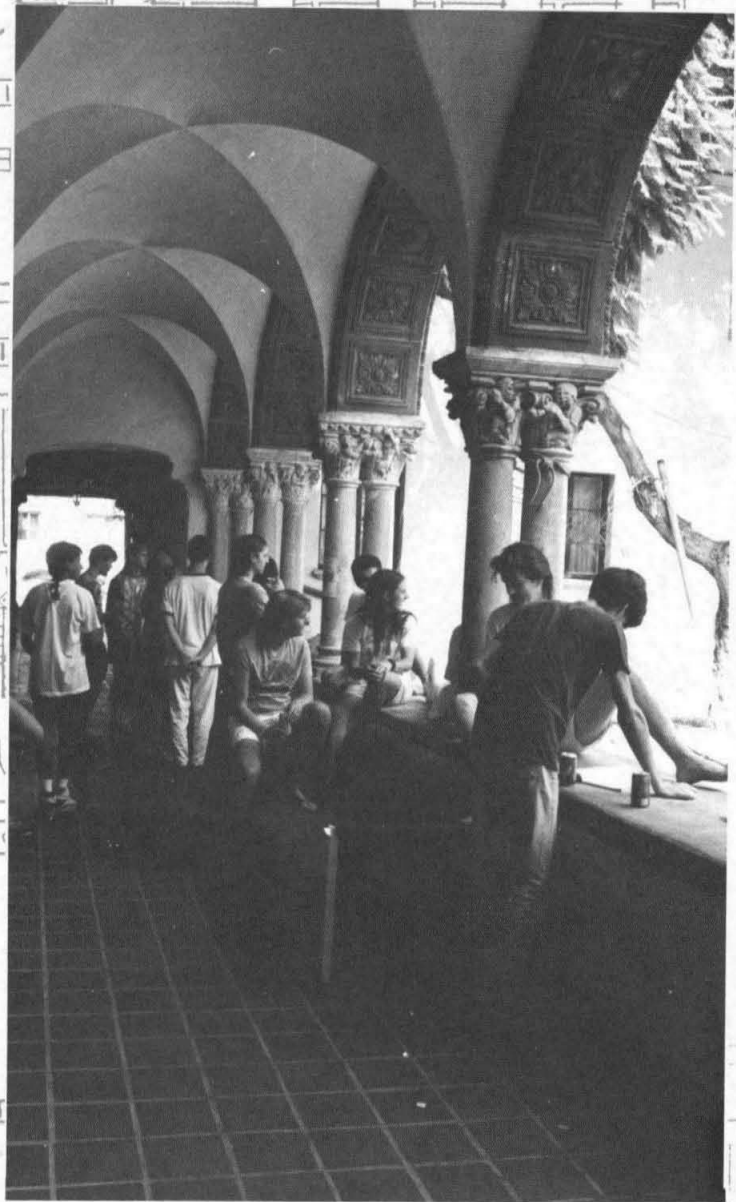
[ed. note- These papers were found in a locked metal box which was discovered after the fighting had ended. The author shall probably remain forever unknown, but we surmise from other eyewitness reports of the Technocratic War that it accurately conveys the attitude of the common foot soldier serving on the rebel side.]

I remember the fall of 1990. I remember the new draftees, looking sharp in their black battle fatigues and gray combat lasers, taking the places of those lost forever. They seemed prepared, determined, but younger than ever to my worn body. And I've only served two and a half years-- the grizzled four year veterans are nearly as distant from me as I am from the frosh.

That winter we engaged the Technocracy several times in bloody firefights, barely repelling the projectiles launched with primitive strength over our walls. From firezones atop the Pot and roof we counterattacked blindly, hoping for a hit. The results were often apparent only from enemy response. Hope in the form of Sgt. Wagner's new cannon turned out to be false hope as it misfired time after time. Eventually it was scrapped as technology gone awry.

The entire pyrotechnics platoon was taken out in a nighttime attack as they set up demolitions to blow Millikan Bridge, key bottleneck of enemy supply lines. As a result, we were sorely lacking in fierce explosive displays this season. Pvt. Perlman attempted to duplicate the feats of Sgt. Ferber and Spees (1st class) Waltman and Tiemann, but proved without a clue as to their secrets. The only pyrotechnic attack we recovered was the art of the fireball, which proved merely harassing to the enemy.

The spring of 1991, we suffered huge casualties as the enemy stepped up the intensity of their attacks. We lost Schaeffer to napalm and Ferber in an aerial recon accident. Specialist Yang vanished while on patrol in the smoking ruins that had been the Bridge/Sloan buildings, and Pvt. Biery was captured by the enemy while carousing on leave. Yang subsequently turned up lost in the



DINING ROOM  
105

Yes, life was nice and relaxed as the year began, but this was only a transition state.

Loading the pot (not a drug reference).



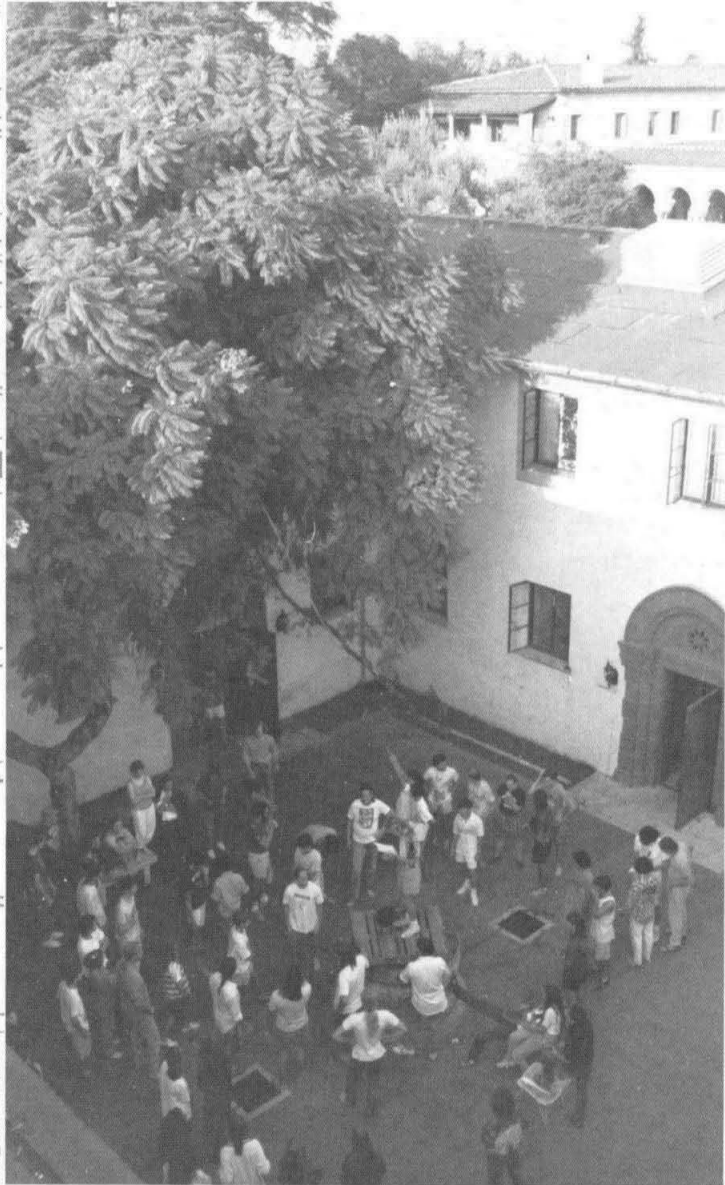
67 66  
PASSAGEWAY





Waiting for the fire to start.

Post-Rotation gathering, with Plu, the Bust, 45 bloodthirsty upperclassmen, and 22 wet frosh.



Catalina staging area, emaciated and a nervous wreck, having hid from enemy forces in Downs while attempting to make contact with Base.

The morale officers, Col. Schneider and Captain Surace, actually managed to stage a party during a lull in the fighting. The access tunnels for which we had fought for proved to be the means of entering a safezone within Base Ricketts itself. Surace scrounged up a decent band and the troops were able to take their mind off of the war. But the next day found us fighting even harder in an attempt to retain ground.

It was of no use. An assault tank and demolition squad penetrated the outer curtain defenses and razed half of Zone Holliston. We were forced to relinquish 317, a prime safezone, to our sister unit in the Dabney sector. Anticipating less room in the barracks next season, Lt. Col. Sobelman imposed strict rules regarding residence within the defended barracks. Some of us will be forced to brave the nuclear wilds in order to survive, a prospect dismaying even to those who have never run the vicious Marks gauntlet.

Spring proved to be no better than the bitter winter. As the rains began coming down a roving attack 'bot ambushed Sgt. Wagner while he was on recon to Las Vegas. No trace of him or his assault vehicle was found. But in a daring raid we recovered Biery from the clutches of the Tennessee prison camp where he had languished for three months. Pfc. Rothenberg took him under her wing to nurse him back to health.

The high note of the season came when we assembled enough troops to mount an attack upon the Technocracy fortress that had been the houses. Quickly assaulting the fortifications and helped by a thunderous rainstorm, we emerged, dripping, and surprised at the light casualties. The enemy was completely demoralized.

After the entire command staff was taken out by a suicide squad, Col. Rockwell took over and managed to return the favor. He began an offensive upon the forces of the Administration division of the Technocracy. This succeeded in the assassination of their self-titled MOSH, which was greeted with cheers in the camp. . .



RICKETTS HOUSE

U. CRAEHER

8-7-62

5559 A 2/3  
1/16" = 1'-0"

Ricketts 100<sup>th</sup> year



**FRESHMEN:** (*Front, left to right*) Ted Turocy, Edray Goins, Sacha Malin, Michael 'Wart' Thomas, Jed Pitera, Nicole Eustance, Paul 'Roto Rooter' Rothmund, Tod Kurt (Jr.), Sarah Barwig. (*Back, left to right*) Michael 'Zeus' Su, Richard Liu, Brian Trotter, Rob Ellis, David 'Sparky' Perlman, Nathan Rockwell (Jr.), Jason 'Satan' Surace (Jr.), Matt 'Xeno' Derer, Atiya Hakeem (Jr.), Bill Bradley.



**JUNIORS:** (*left to right*) Greg Hale, Frank Fillipanits, Mark Lyttle (Sr.), Julius Yang, Rohan Mahadevan (So.), Allen Knutson (Sr.), Monica Oei (So.), Tod Kurt, Jed Pitera (Fr.), Dan Smith (So.), Scott Bjerke, Debi Tuttle (So.), Dan Weaver, Rob Miles (PDFU, RA), Paul San Clemente, David 'Gonzo' Taub (Sr.), Brian Chafin, Nathan Rockwell, Leah Warner (So.), Chris Pollett, Steve Sobelman, Steve Hwang, Jason 'Satan' Surace, Atiya Hakeem, Paul 'Pablo' Thienprasit.



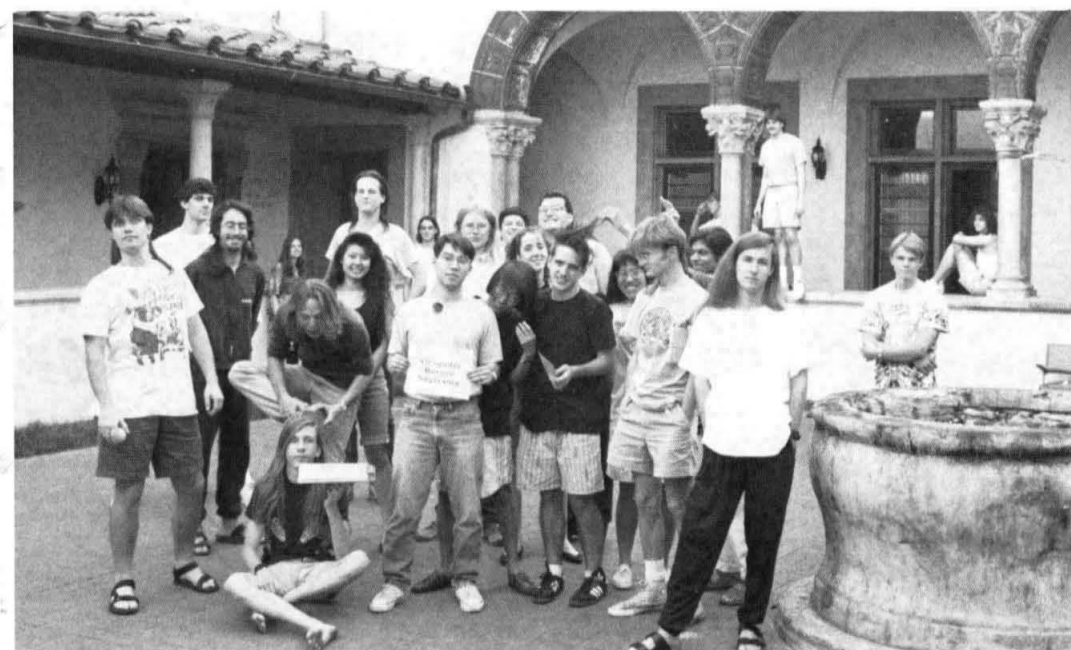
**WAITERS:** (*left to right*) Matt Derer, Sarah Barwig, Chad Roberts, Paul Thienprasit, Dan Smith, Scot Fagerland, Amit Mehra, Julian Chen, Nicole Eustance, Erik Russell, Sacha Malin, Jed Pitera, Dan Weaver, Greg Hale. Missing: Rob Ellis, Paul San Clemente, Richard Liu, Debi Tuttle, Mike Oder, Zhaohong Li, Carlos Ramirez.







**SOPHOMORES:** (Front, left to right) Maggie Taylor, Paul San Clemente (Jr.), Julian Chen. (Middle, left to right) Dan Dilling, Julius Yang (Jr.), Ward Burrows, Dan Smith, Leah Warner, Tristy Kibbey, Andreja Volenec, Greg Hale (Jr.), Lindsey Dubb (Sr.), Zhaohong Li (Sr.). (Back, left to right) Mike "Lil Drug" Hoskins (Fr.), Nick Biery, Ingrid Rothenberg (Fr.), Dan Weaver (Jr.), Sean Wetterer, Preston Pfarner, Mike Oder, Scot Fagerland, Walter Landry, Christopher 'Plu' Pluhar (SSr.), Dan Smith, Bill Bradley, Jed Pitera, Amit 'Meeb' Mehra, Paul 'Pablo' Thienpravit (Jr.), Jennifer Dooley, Jason 'Satan' Surace, Chad Roberts.



**SENIORS:** (left to right) John Hoskins, Paul San Clemente (Jr.), Steve Sobelman (Jr.), Andreja Volenec (So.), Allen Knutson (spinning pad), J. Kurth Reynolds, Helen Cheng, Jason McElroy (Jr.), Matthew Collett (Jr.), Alexandre Borges Sugiyama, Russ Manning, Kim Flowers, Monica Oei (So.), M. Kitt Hoddsden, Sam 'Dinky' Dinkin, Mark Lyttle, Debi Tuttle (So.), Christopher 'Plu' Pluhar, Rajesh 'Q' Bilimoria (So.), Jed Pitera (Fr.), Erich Schneider, Charles Cook, Erik Russell, Scot Fagerland (So.).



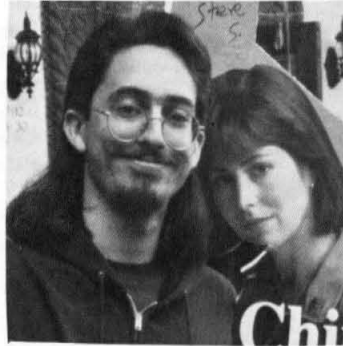
**MAKEUP AND OTHERS:** Paul Thienpravit, Julius Yang, Andreja Volenec, Matthew Collett, Tom Tromey, Atiya Hakeem, Joanna Wills (So.), Jason Surace, Derek Slye, Glenn Ammons (Jr.), Deepi Brar, Carlos Ramirez (Sr.), Johanna Neaderhouser (Fr.), Debi Tuttle, Brian Trotter (with cow head), Rohan Mahadevan, Mark Lyttle, Monica Oei, Dave Perlman, Corbet Wilcox, Amit Mehra.  
Missing: Erika Meyer, Jim Schaaf, Josh Walker, Dan Lipofsky, Beth Mammini, Tom Renner, Ron Stowell, Erik Taylor, Scott Townsend, Stu Wagner, Shameem Hashmi, Danny Holste-Lilie, Jung Kim, Mary Rowe, Behnam Sagehi, Ben Schaeffer, Chris Campo, Eric Candell, Sandeep Jain, Julie Yee.



Ricketts continued its dominance in the ME 72 contest, as Mark Lyttle succeeded Charles Cook as this year's winner. Allen Knutson, in addition to his juggling skills, won the E.T. Bell prize in math, while freshman Edray Goins won the Morgan Ward prize. Mary Rowe and Julian Chen presented a Dabney Lounge series Centennial concert, being the only undergraduates to do so. Sam Dinkin, our bridge master, helped take his Bridge Club to the national collegiate tournament in Atlantic City, taking second place.



**Frame House:** Atiya Hakeem, Jason Surace, David 'Gonzo' Taub, Lyle Scheer (SSr.), Richard Sincovic, Lynell Jackson (Jr.), Jeff Hodseston, Mark Lyttle, Dave 'Bernie' Long (Sr.).



*Above, left to right:* Nathan Rockwell; Steve Sobelman; Tom Renner (So.); Rob Miles (RA).

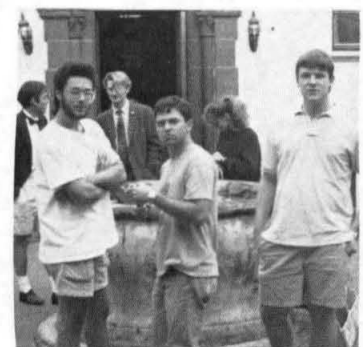
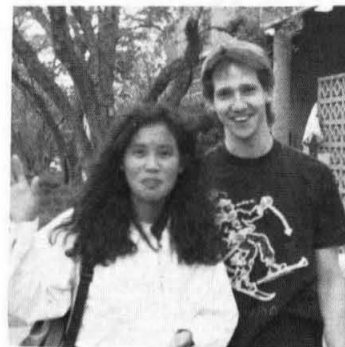
*Right, left to right:* Mark Lyttle; Julian Chen and Mary Rowe (Jr.).



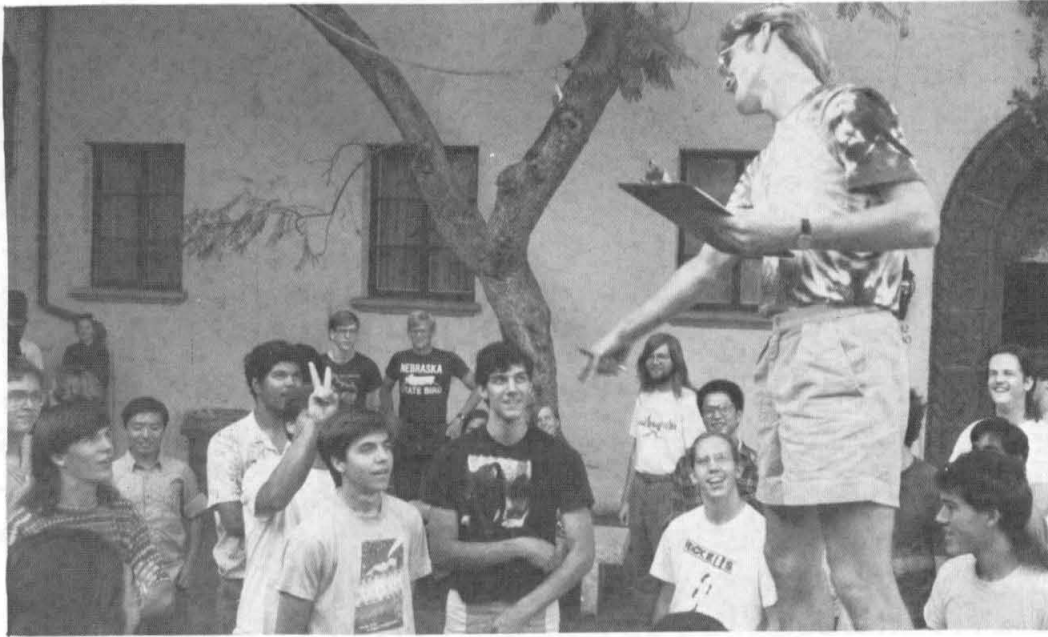
*Below, left to right:* Su-Lin Wu (Sr.) and Gaylor Lovelace (Sr??); Dave Perlman, Rob Ferber (Jr.), and Brent Eubanks (Fr.).

House Officers, 1990-91:

- |                          |                                     |
|--------------------------|-------------------------------------|
| President                | Nathan Rockwell                     |
| Vice President           | Steve Sobelman                      |
| President of Social Vice | Tom Renner                          |
| Secretary                | Dan Weaver                          |
| Treasurers               | Pablo Ishmael and Paul San Clemente |
| Historian                | Julian Chen                         |
| Librarian                | Johanna Neaderhouser                |
| Athletic Managers        | Monica Oei and Rob Ellis            |
| Food Representative      | Sarah Barwig                        |
| Social Team              | Paul Rothmund                       |
|                          | Josh Walker                         |
|                          | Preston Pfamer                      |
|                          | Joanna Wills                        |
| RA                       | Rob Miles                           |
| BOC Representative       | Pablo Ishmael                       |
| Headwaiters              | 'Blo and 'Meeb                      |







Rotation 1990 had a very toned down flavor, probably as a result of DAPAC and the lack of fireballs during that week. While we did not reacquire the art of the fireball until the end of first term, we gained 22 new frosh and five transfers. They were showered into the house and subsequently initiated in the time-honored ways.

*Plu:* What is your name, frosh?

*Rob:* Rob Ellis.

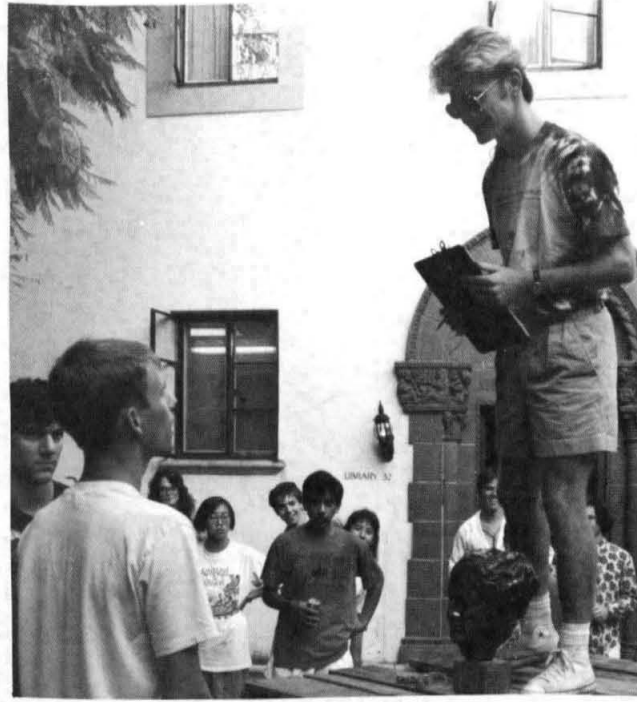
*Plu:* I don't hear you!

*Rob:* Rob Ellis!!

*Plu:* And what would you like to ask the Bust?

*Rob:* AM I A SCURVE??!

*Plu:* The Bust says, "Take him away! He's too dry!"

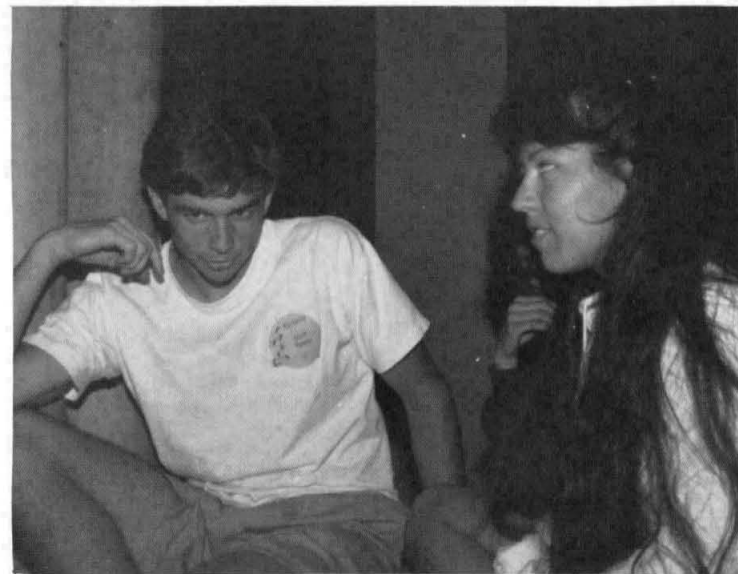


Xeno agrees that a wet frosh is a happy frosh. Ask him now and he'll still say it's true.

Brian Trotter learns the fateful truth from the Bust.

Debi casts her spell over the terrified, hypnotized frosh Matt Baker (Ruddock).

The upperclassmen make quick work of Josh Walker (Fr.). The historian timed it as a fast 20 second trip to the Up Your shower.



ROTATION

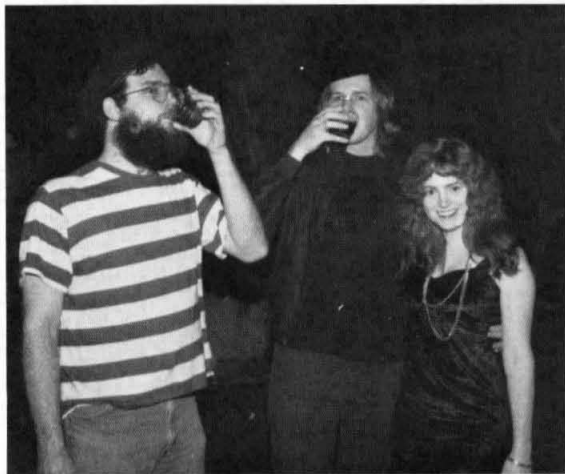
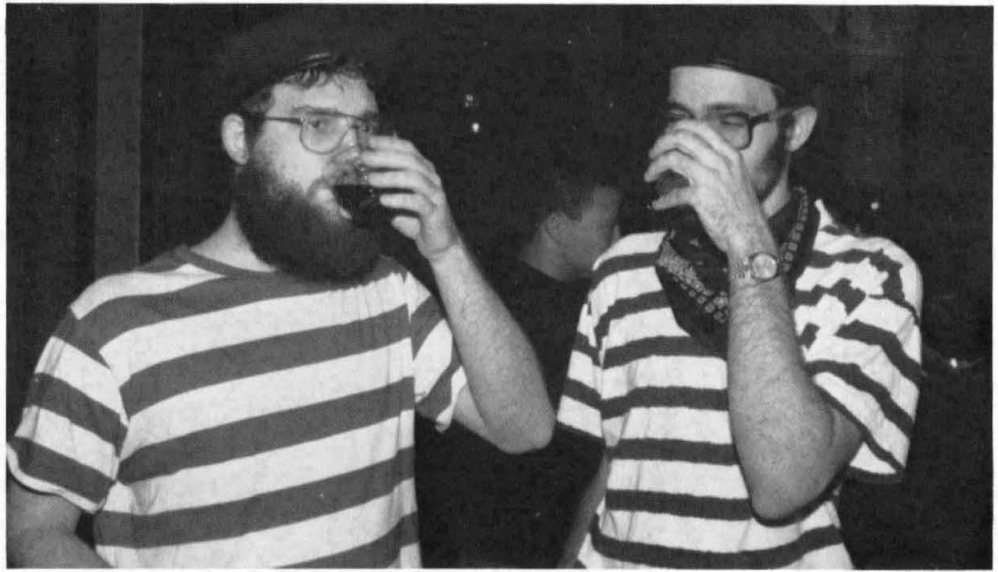


For the forty-fourth consecutive year, the Apache dance took away some of second term's frustrations, at least for one evening. Despite the new Institute alcohol policy, the party still turned out to be a raging evening of entertainment, complete with girls, sizzling jazz, dancing, and pyrotechnics.

*Right:* The new Joe and Ward drinking picture.

*Below left:* Jason Surace and Chard Roberts prepare the lanterns for the frosh tunnel guides.

*Below right:* Three toasted frosh- Zeus, Wart, and Roto-Rooter.

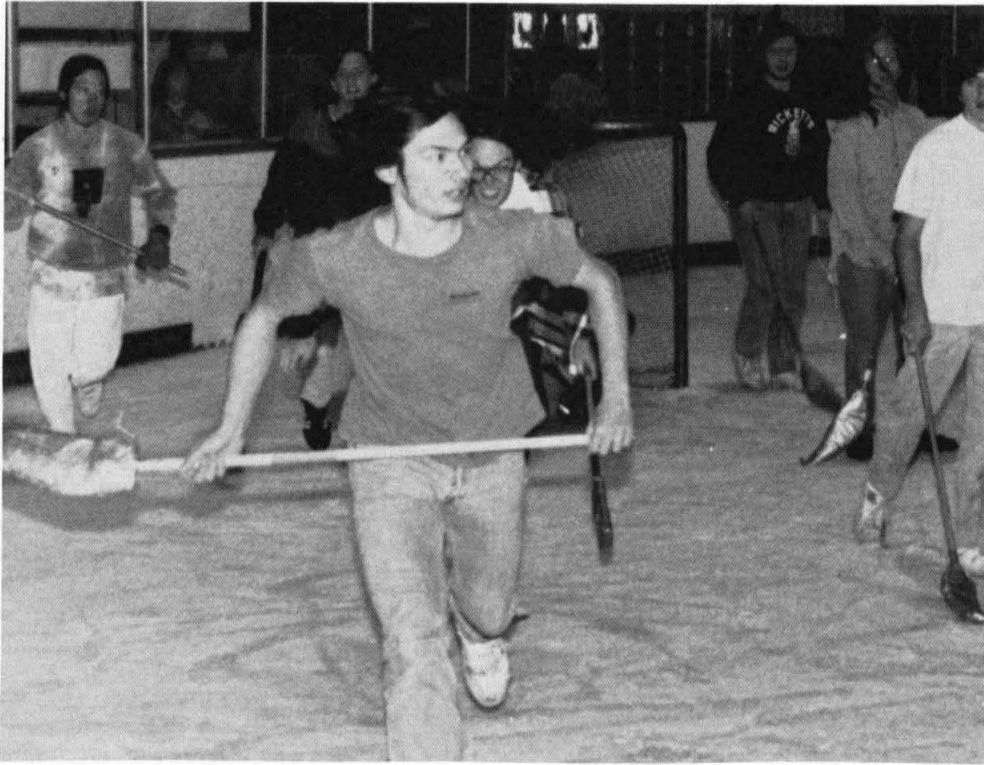


*Above:* Yes, it's the mandatory Joe and Dave (and Leah) drinking picture.

*Right:* "If you use the fucking flash. . ." yells PSC, while Preston concentrates on the lady, as Sam is too far gone to care.







Believe it or not, the Scurves showered the Ath Men more often this year than last, as Ricketts finished fifth in the Interhouse standings. But outside Interhouse sports, the Maroon Machine *rocked*. Our successes included getting the Discobolus Trophy (for a few days) and totally trashing the competition in broomball.

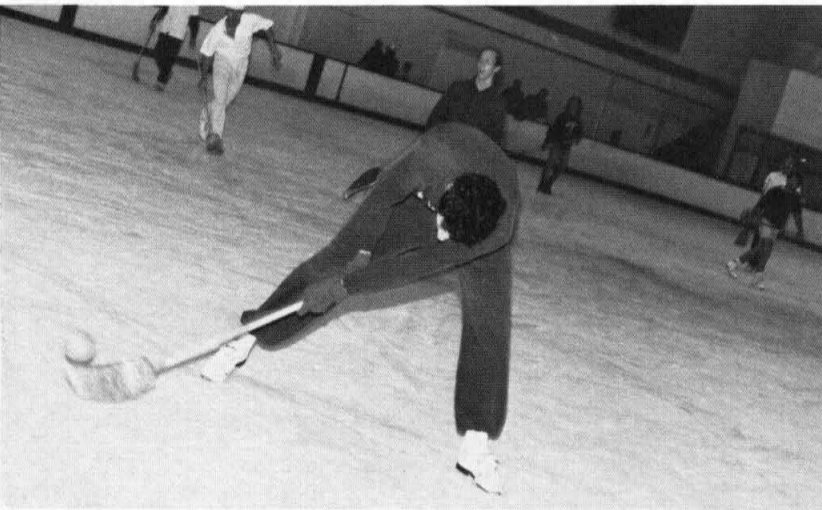
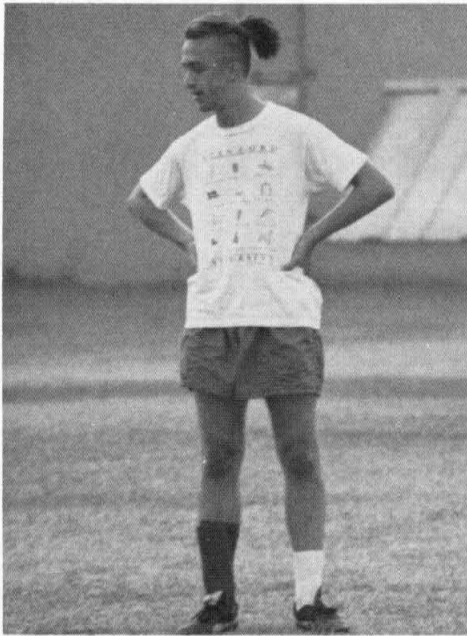
*Left:* Jim Schaaf (Fr.), hockey player turned broomball player, leads the Damn Scurves.

*Below left:* Scott Townsend (So.), our soccer talent.

*Below right:* Amit showing his pitching form.

*Bottom left:* Paul taking a swing at the ball as the Flyguys advance on him.

*Bottom right:* Bill Bradley watching a shocking Scurve softball victory in the making.



SPORTS

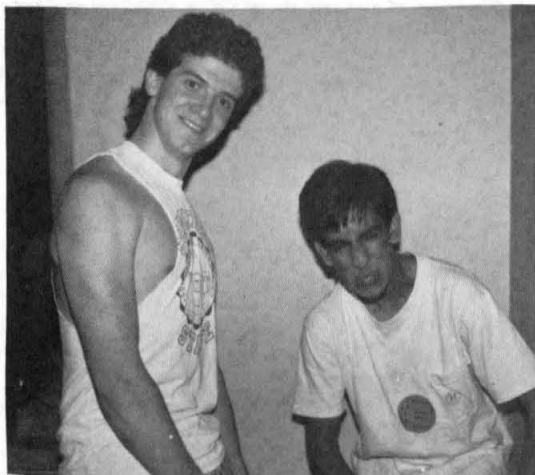
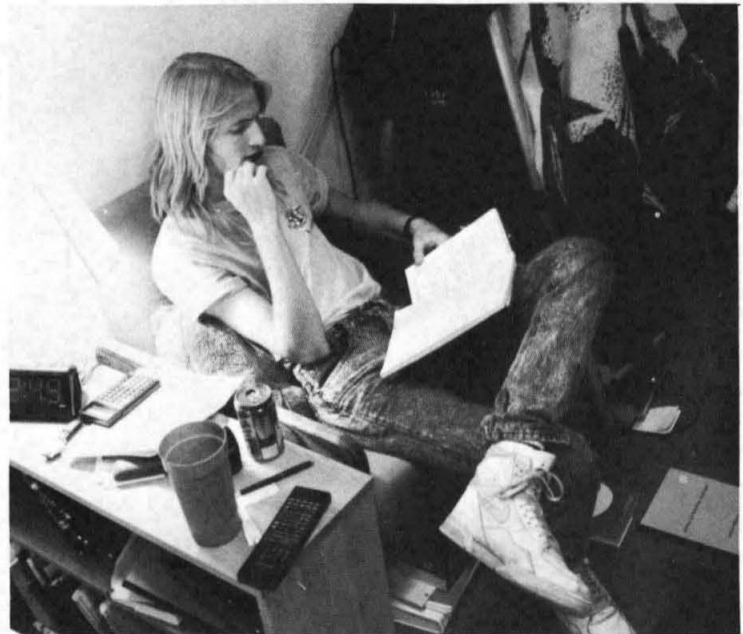


*Right:* Preparing to throw a fireball.

*Below:* Stuart Wagner (So.) sleeping on the Cherry couch, after vacating his room.

*Below right:* Frank trolling on Koonin's evil 95.

*Bottom left:* "We're here to pump you up," say the Ath men, Erik Taylor (So.) and 'Meeb, as they show off their incredible muscle tone.



*Right:* Four seniors' last days at Tech, as Allen Knutson, Christopher Pluhar, Alex Sugiyama, and Mark Lyttle pose for their yearbook photo.







*Left:* Sacha gives Wally a spin.

*Below:* Eric Candell returned to the U.S. early during second term. Nathan introduces Eric to the frosh.

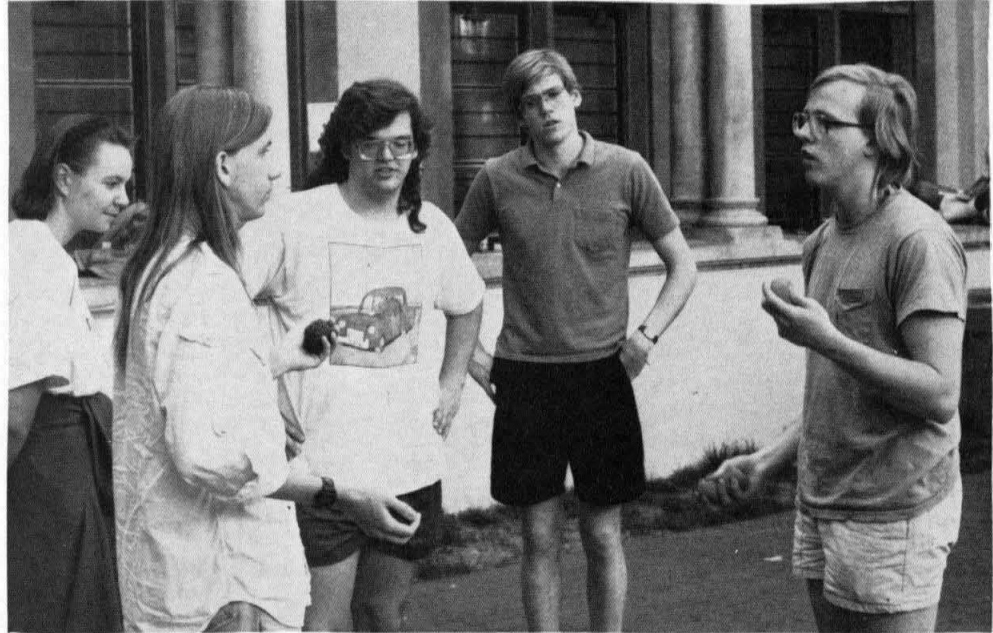


*Below left:* Dan'l shows Bill the consequences for violating dining room rules.

*Below:* Jen, Chad, and Sean watch as Allen and Dan start juggling.

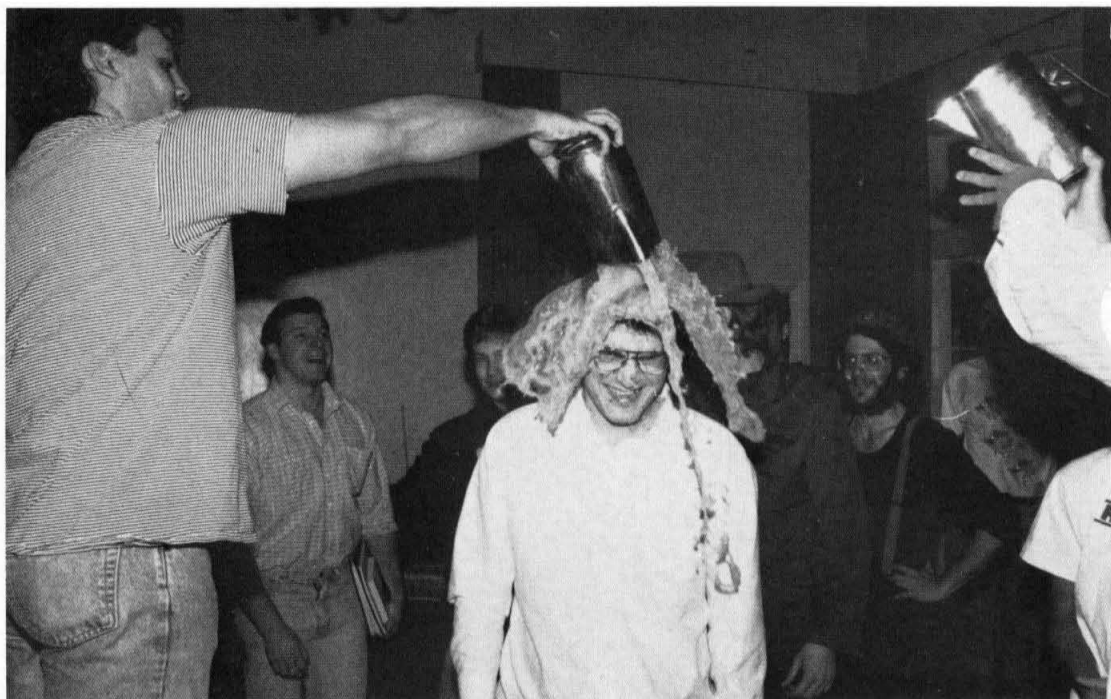
*Bottom left:* Tom and Ted at the foosball table.

*Bottom:* Phys 1c troll in the courtyard, as Sarah, Nick, Rob, Ingrid, Mike, and Bill ponder over an E and M problem.

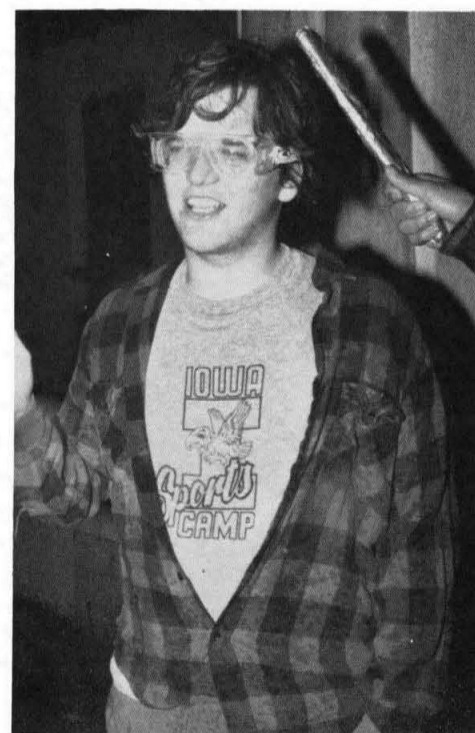




*Right:* 'Los floats Sam with orange soda.

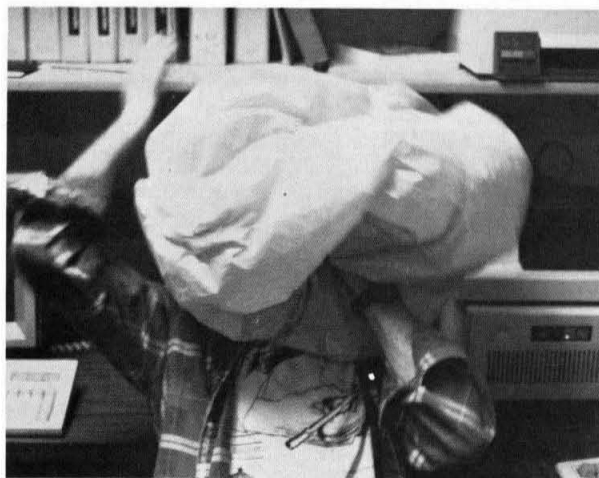


*Below:* Paul, Greg, and Joanna enjoying high tea at the Huntington Library. The object of the trip, according to Joanna, was to get cultured. Paul doesn't seem too thrilled about that.

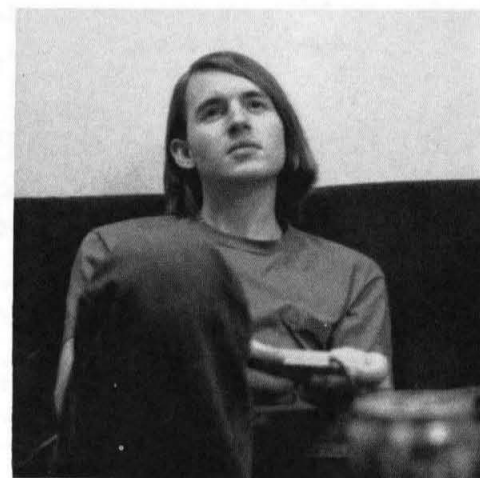


*Right:* Bagged. . .

*Far right:* Prelude to PCDE with Chad showing his Mole whacking form.



*Right:* Our video game expert, Glenn Ammons, attempting to finish up Megaman III on the Nintendo.







*Left:* Rob Ellis as Go-Go's drummer Gina Schock. Alex's Ditch Day stack and several others in Ricketts made it on the local news.

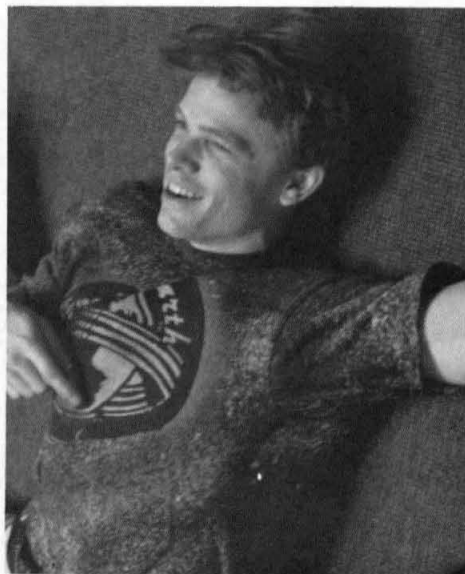
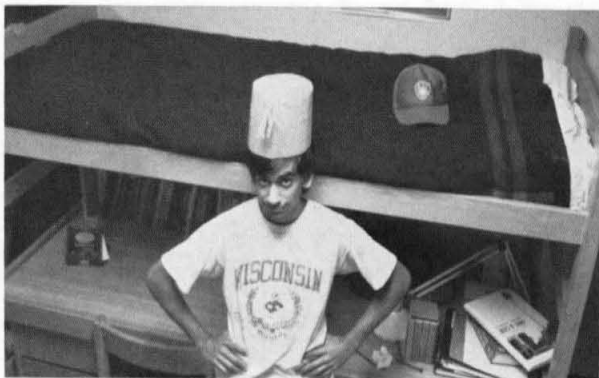
*Below left:* Perhaps the most disgusting float of the year, as Josh Walker gets 1000 Island salad dressing and vinegar dumped on him by Nicole.

*Below:* Julius at Capra, serenading the orange trees with his guitar.



*Above far left:* Stu doing the Millikan Water Works thing.

*Far left:* Retribution for flipping door plates. Amit didn't get away easily, as his room was moved into Cherry kitchen. "Spacious, yet tiled."



*Left:* One fine evening, Erik Russell showed up at the Orange Juice Orgy and had several drinks. His friends almost got him to play Tetris, but he couldn't exactly sit.



*Right:* Plu, our House Pollack, leads on the Scurves.

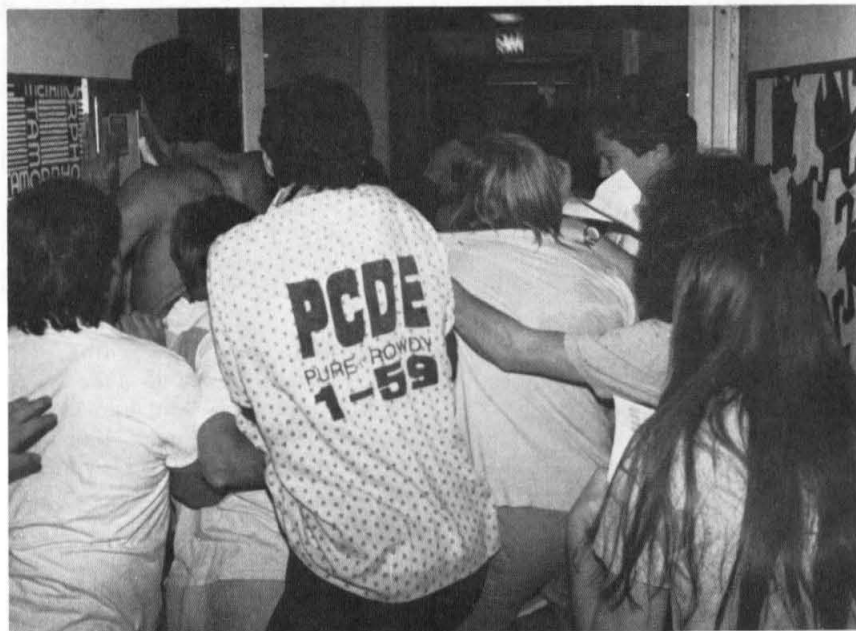
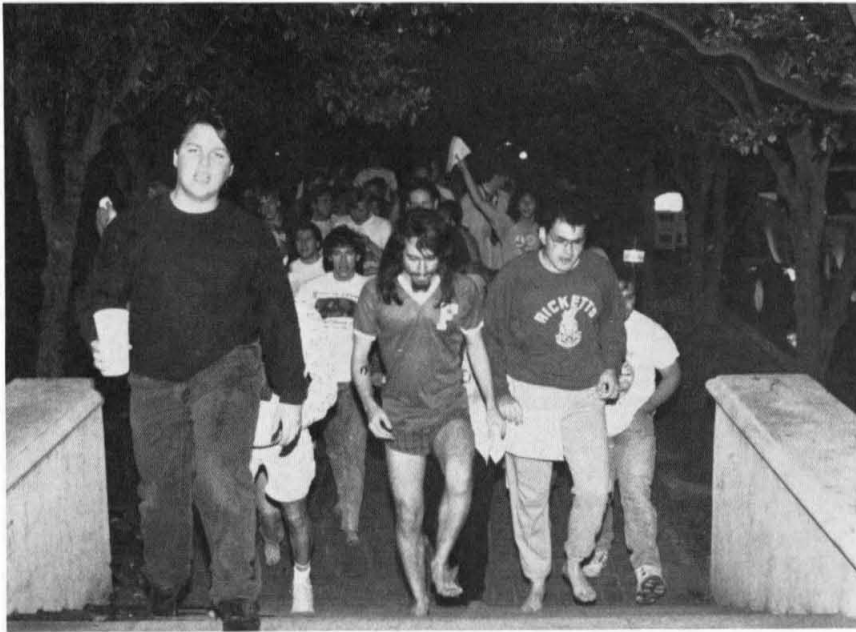
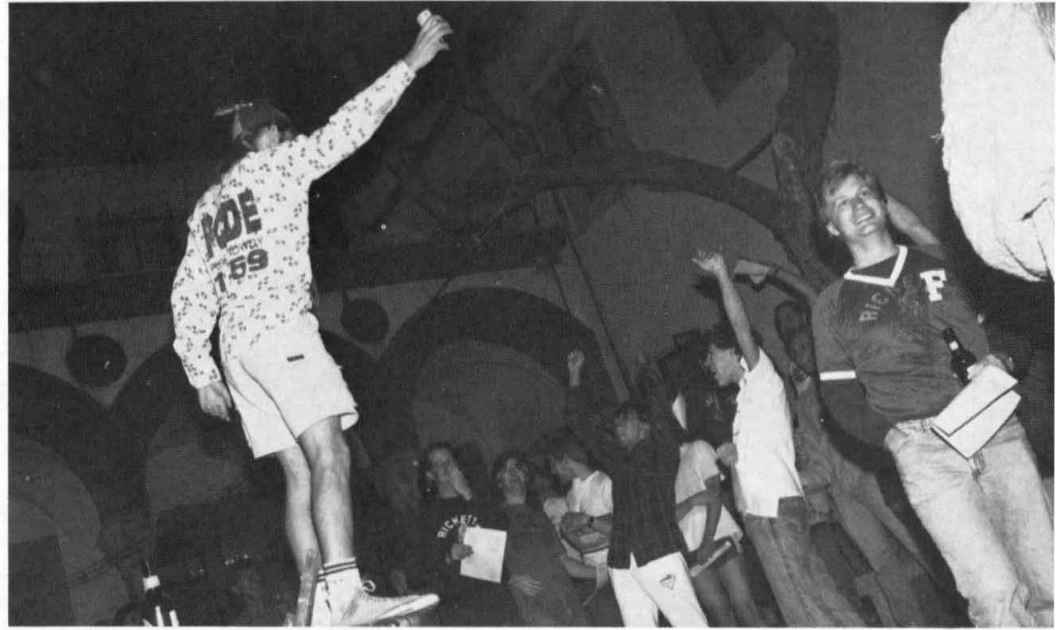
*Below:* The Scurves marching up the Orange Walk steps.

*Below right:* Wart, Dan Smith, Roto-Rooter, and Dan Weaver caroling in Fleming.

*Middle right:* Rich Liu and Erik Russell battle the Flems.

*Bottom:* The North Houses actually put up some resistance this year.

*Bottom right:* The pre-PCDE gathering in the Guest Suite.



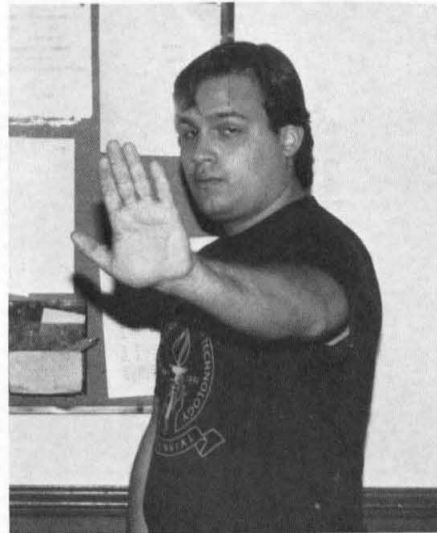




*Above left:* Dave and Wally's unconventional descent onto Lake Avenue.

*Above:* Alex practicing the cello.

*Left:* "Get that thing away from me!" says Carlos, trying to hide from the evil flash.



*Far left:* "You mean I have to clean up this mess??" Roto-Rooter sweeps up the Undress Dinner.

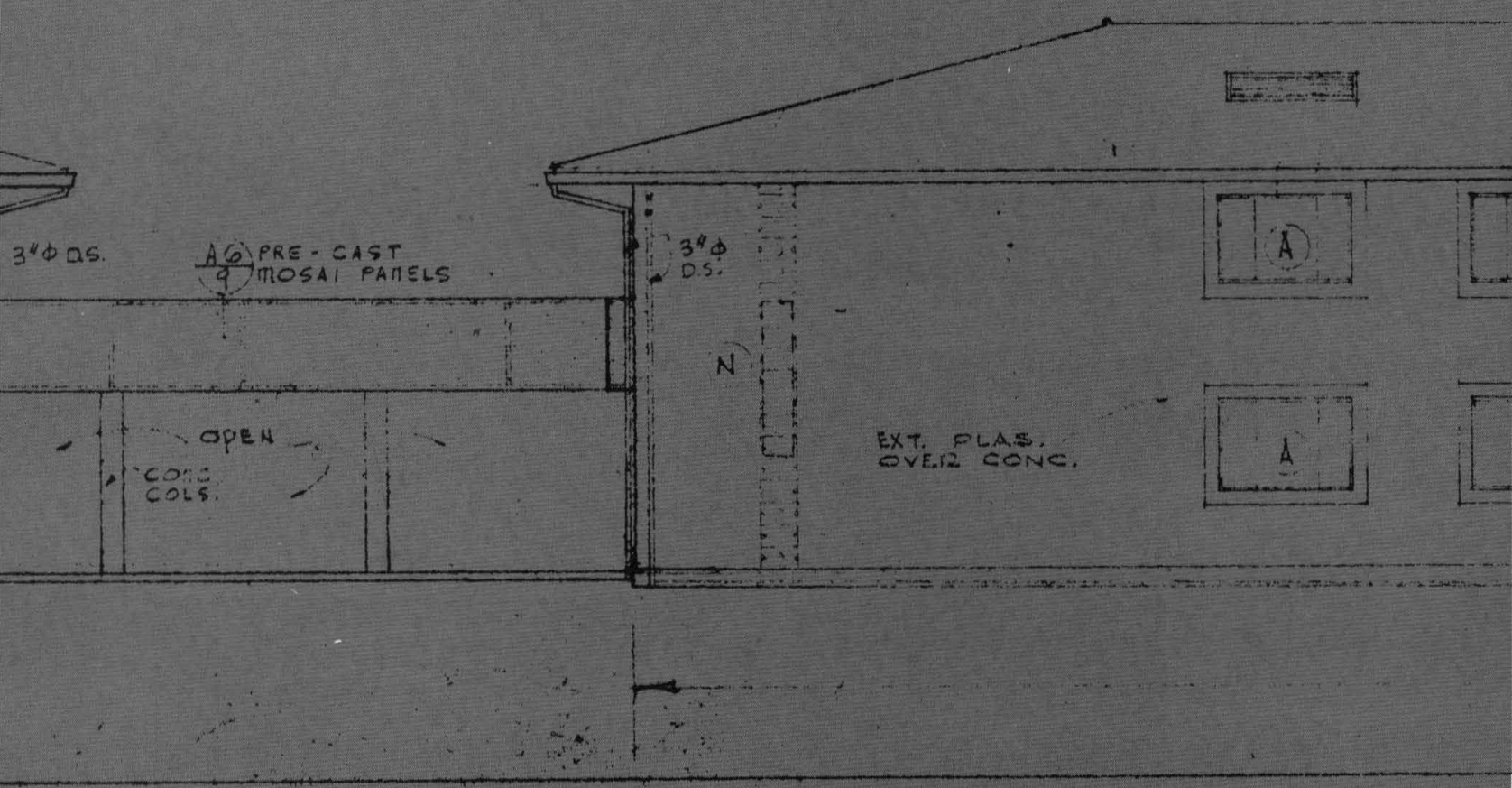


**Historian's Note:** This is my second year doing the yearbook section, and it was certainly an interesting set of events that took place.

Many people deserve credit for helping me out on the section. I'd like to thank Scott Bjerke for taking the sophomore class photo, Julius Yang for the introductory text, and Nathan and Lindsey for also turning in a text to me. Also, thanks to Celina M. for her layout advice, and finally, the people of Ricketts House for cooperating with me on the class photos and being willing subjects for my pictures.

*John Han*





3" DS.

A  
PRE-CAST  
MOSAI PANELS

3" DS.

OPEN

CONC.  
COLS.

N

EXT. PLAS.  
OVER CONC.

A

A



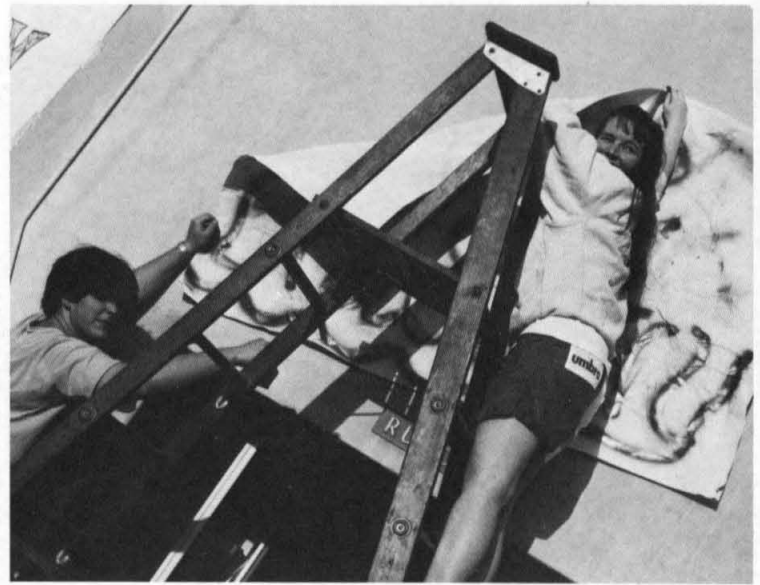
ILE ROOF

3" φ 29



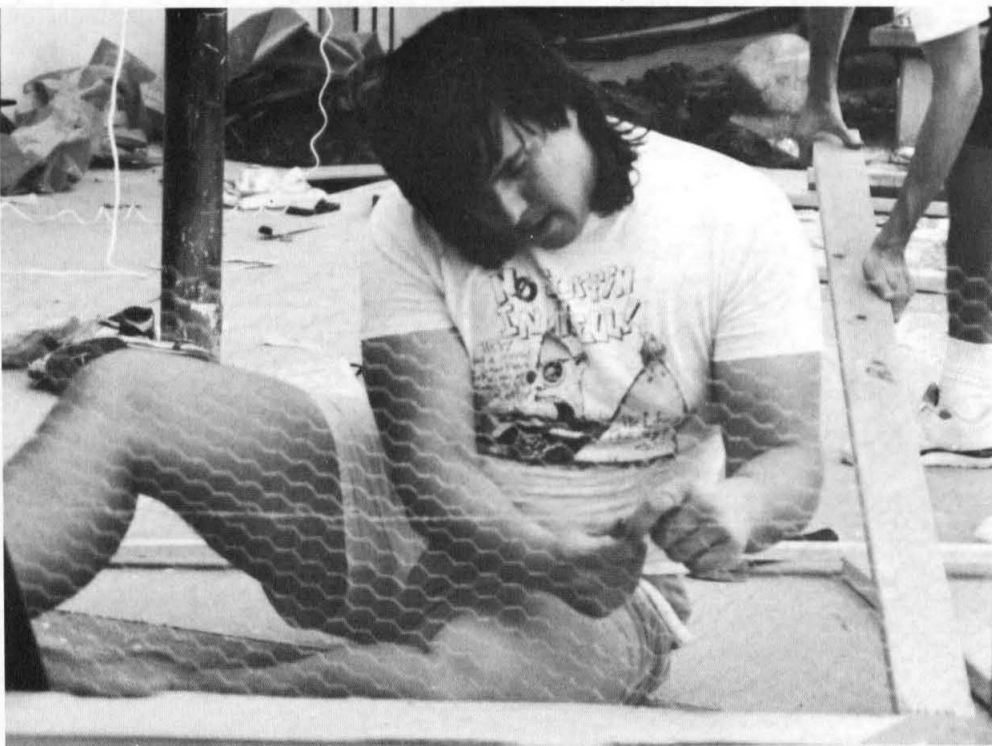
RUDDOCK



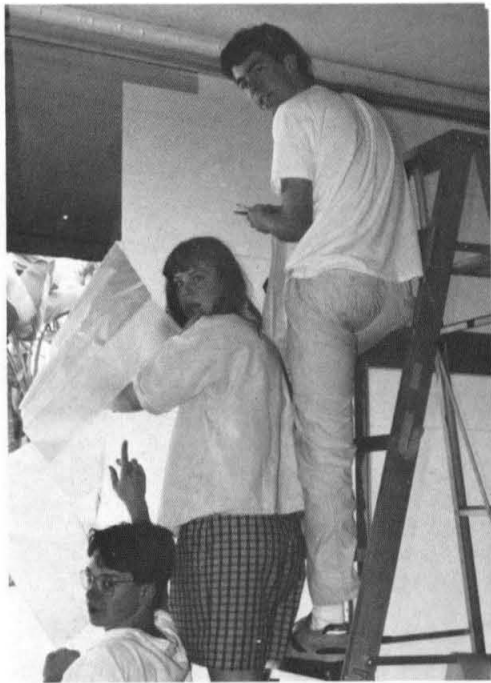


Above, Chris and Betsy hang what Roanna and Jing just painted, below.

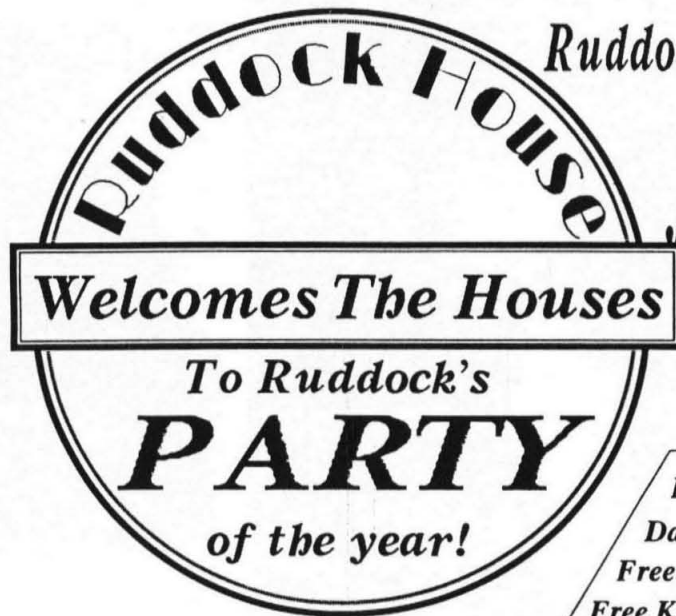
Above, soundmeisters Dave and Ahmed set up for Everyband. Below, Dave and Andy wire the "Skank-Don't Skank" sign.







Brian Lucia and Aron paper the windows for EyeWorks.



Ruddock House Hosts  
KROQ DJ  
Jed The Fish

Saturday  
April 13  
8:30 to 1:00

Food! 🍴  
Dancing! 🎵 🎵 🎵  
Free Bar (21+)! 🍷  
Free KROQ T-Shirts and Stuff!

## BLADE RUNNER PARTY



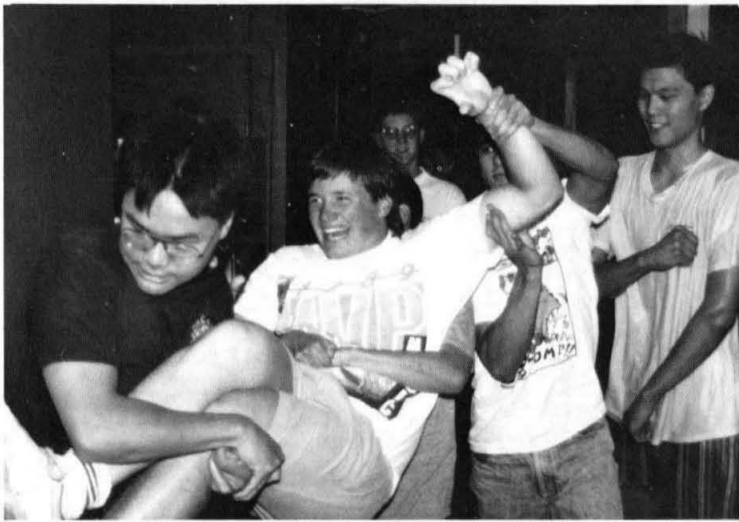
Grand Dragon John Grade builds Interhouse with the aid of Tim and some power tools.



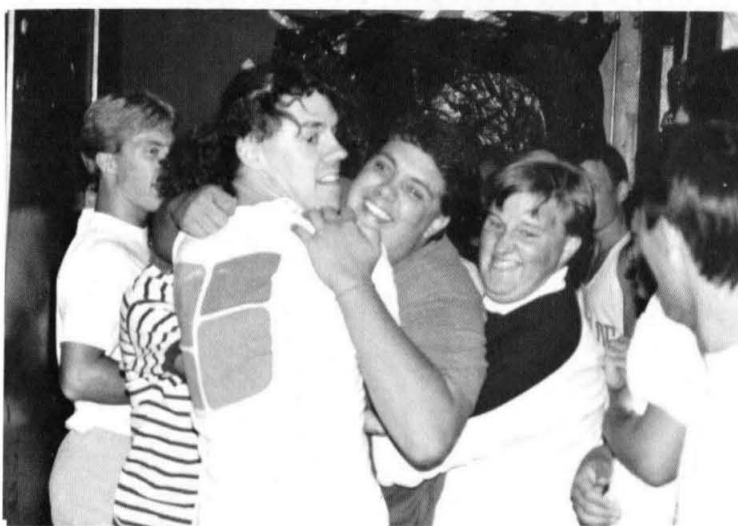
**Interhouse!** The administration said it couldn't be done, but Ruddock rose to the occasion to put on its Own Private Interhouse. Under the direction of Co-Grand Dragons John Grade and Kris Blouke, Ruddock brought Blade Runner to Caltech. Outside construction featured a levitating police car, a blimp and the Tyrell Corporation building. Construction iguana Matt Baker made sure they would last by his prolific use of screws; a new concept to Ruddock Interhouse construction. Inside, the Skin Job served Nuclear Waste with Chris Martin in charge, and we found replicants, courtesy of Heath and Robert and Chris Launey. Food iguana Shane Sauby served exotic meatballs. Music came from Jed the Fish and KROQ, thanks to much anguish by Micheling Aldridge. Thanks to all the frosh who built interhouse like they were supposed to.



# Ruddock House Welcomes Its New Frosh



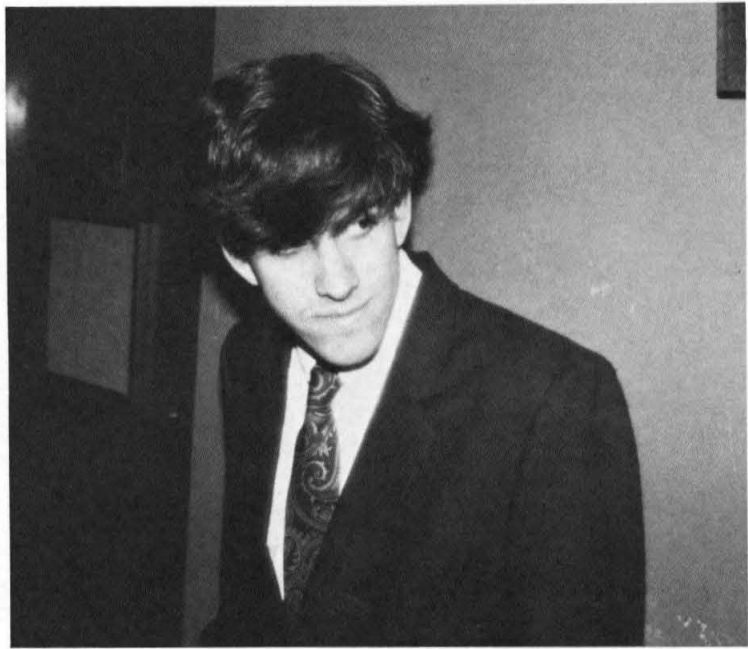
Above left, Hans happily proceeds to the shower, while above, Moeen heads for the Alley 4 bathroom (tightwaist-Shane Sauby) Below, in a contrasting style, Charles goes headfirst (tightwaist-Steve Chang).







Jon and Larry (above), President John (Above right ), and Celia (below right) greet the frosh.

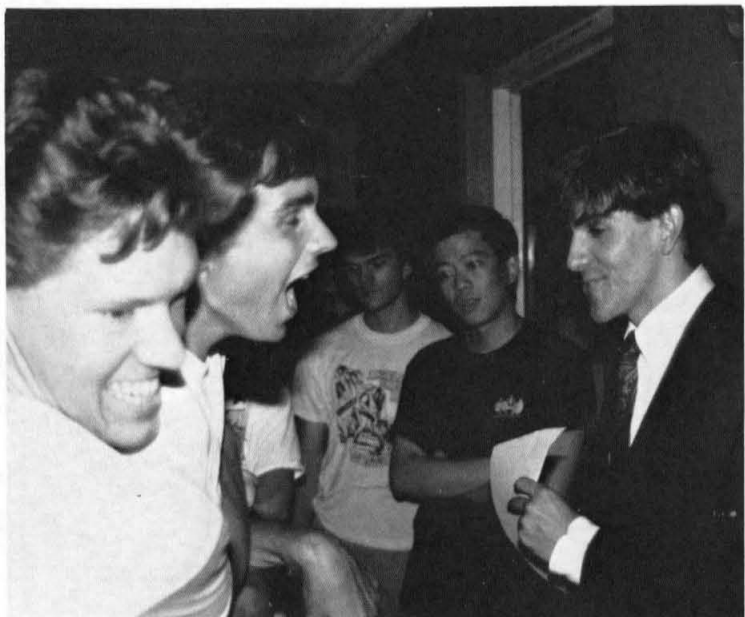


Above, Berta is manhandled into the shower by Erica, who received her showering just moments before. Below, Matt Baker reacts to the just-applied tightwaist courtesy of Matt Durasoff, while Hanna and Brady look disinterested.



This year, Ruddock greeted 43 new frosh and transfers. Carefully selected during Rotation, they represented the best we thought the class had to offer. Unfortunately, as we found out while showering them in, the best also happened to be the heaviest. The "Big Frosh" posed a challenge to the showering teams, as they have throughout the year to joke-tellers at dinner. After being properly showered in, and flour-

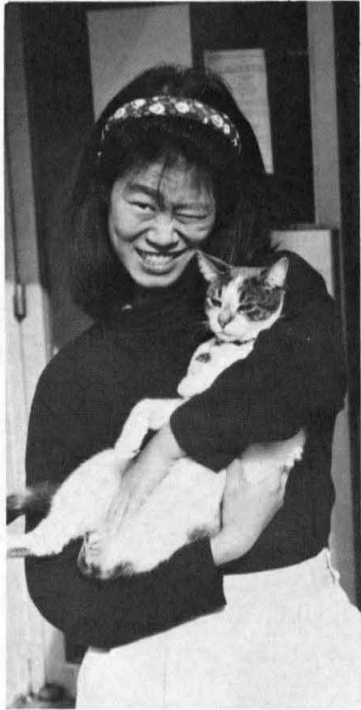
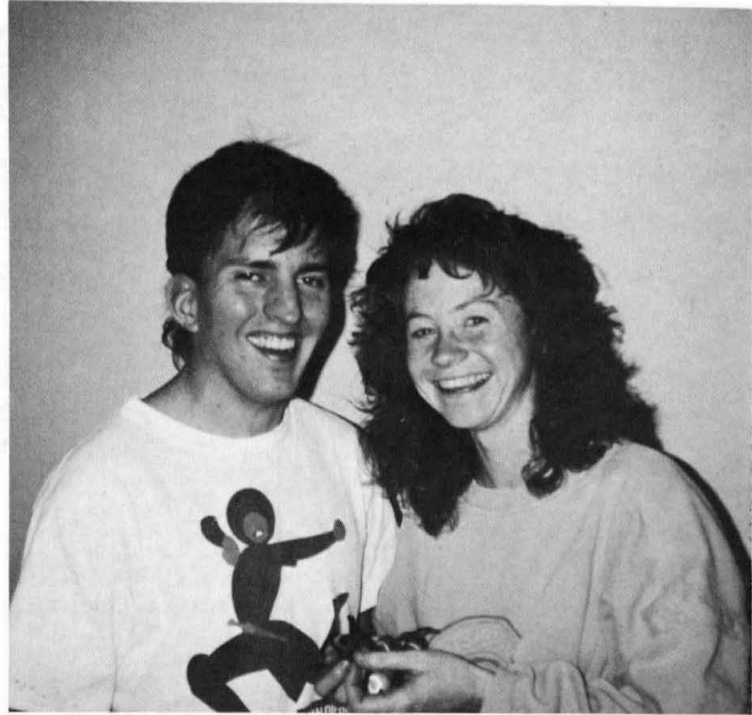
ing the Flems, the frosh began hassle week. Their search for the Pledgemaster was futile, so the week ended with a dog pile on the athletic field. The frosh class was sworn in as members of Ruddock during installations second term, and were welcomed as full members.







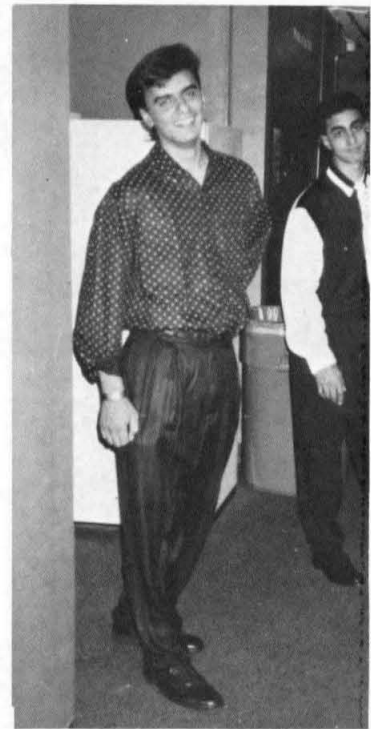
U.N. Bowling- Iraqis ChrisL. and Steve, and Armenians John, Chris M. and Matt.



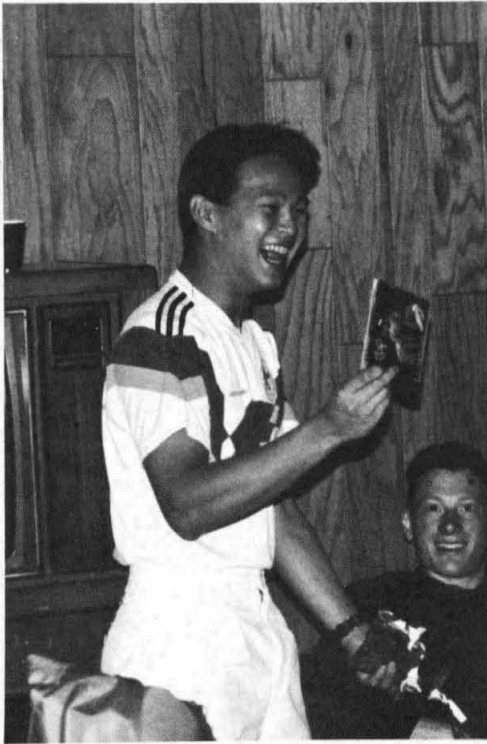
Melissa and T.J. practice parental techniques with Fang (above) and Elpy (below).



Above Iquana Matt Baker directs Chris, inside blimp. Below right, Ahmed and Tarun greet Nevada.







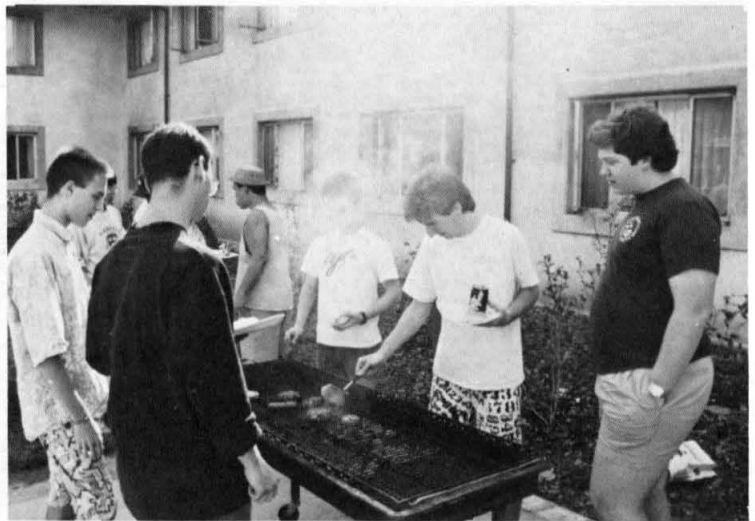
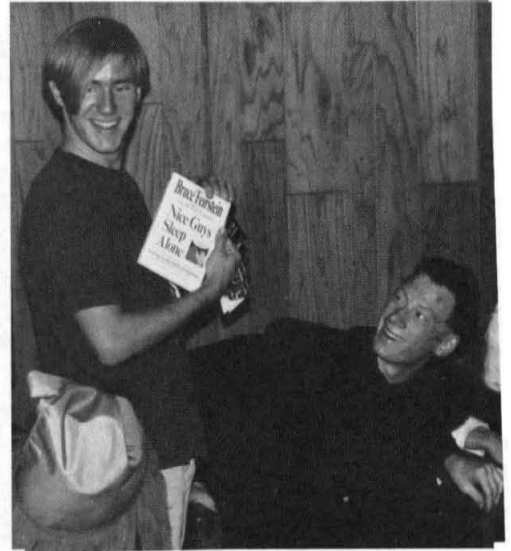
Wen can't wait to listen to the Debbie Gibson tape he got from Satan.



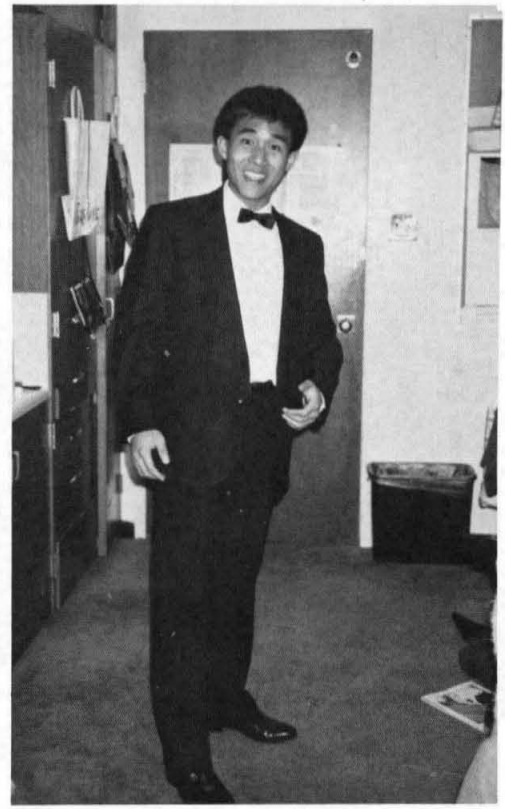
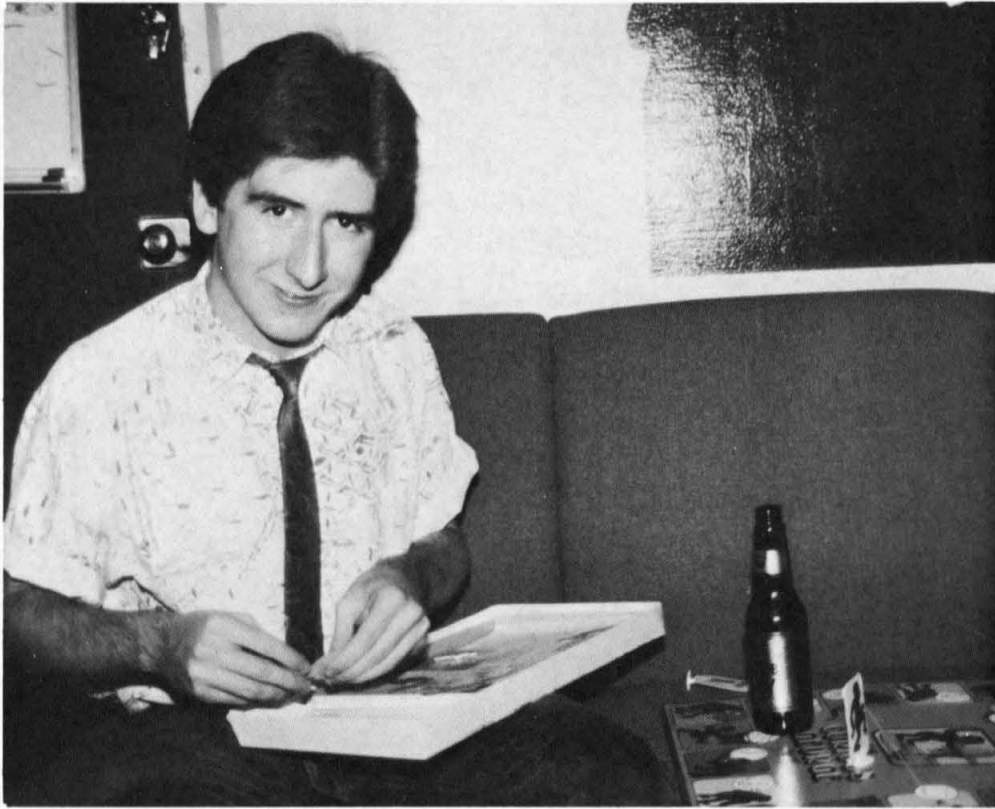
At Christmas Jon (above), Betsy and Delwyn (below) are happy about their Satanic gifts.



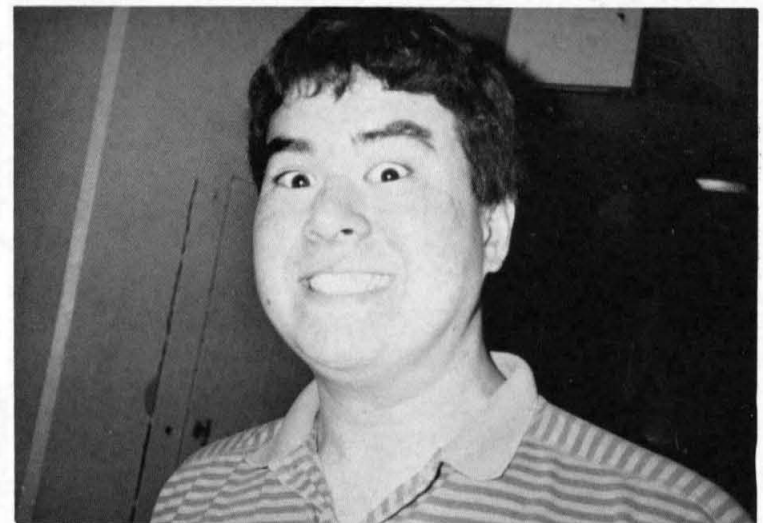
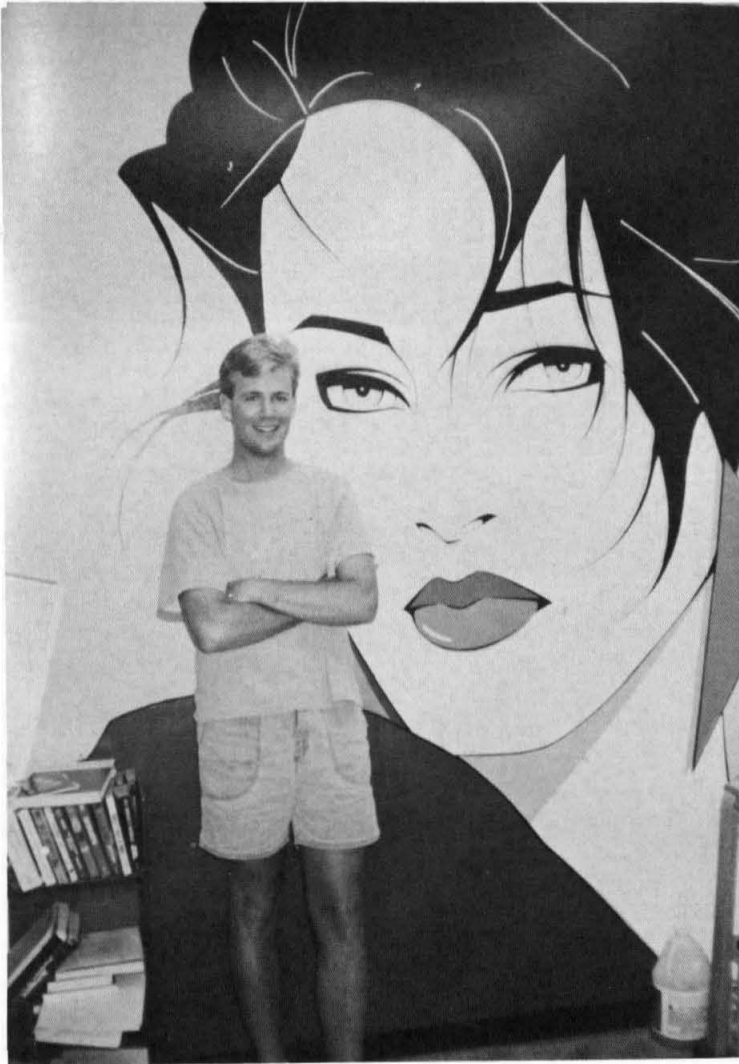
Steve Chang hits a home run (above) and John and Paul play in the papier mache (below).







Above, Chris prepares for a game of Curious George.

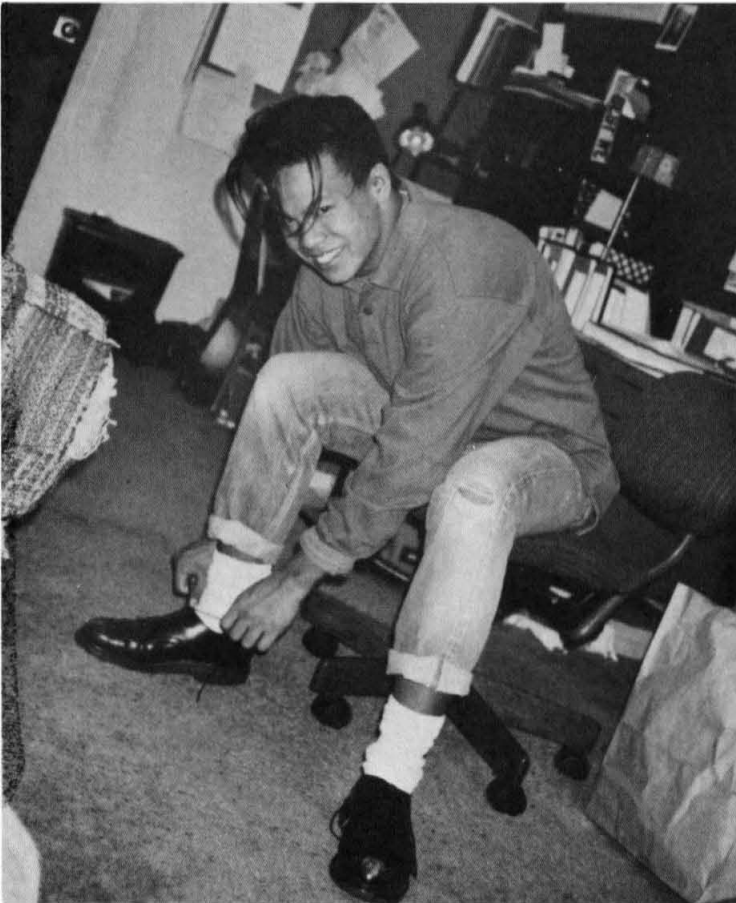
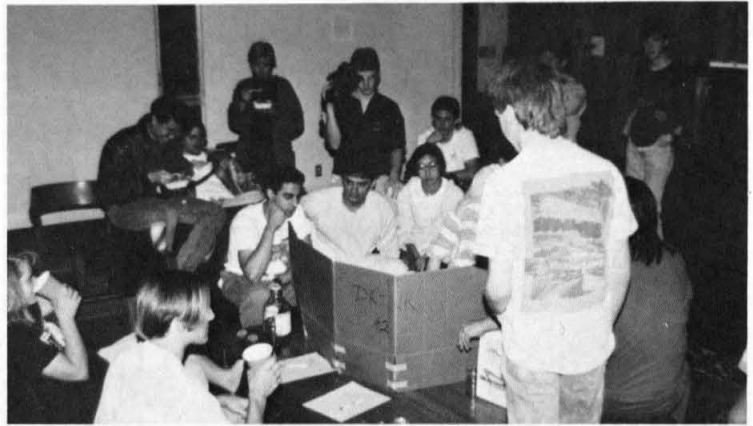


Left, Glenn Brown poses with his new mural in the alley six big double.





Above, Rich finds his calling as a sumo wrestler, while below, Larry prepares to crush some skulls with his boots. Above right, John and Amy have a flour fight while making cookies.



Above, Alley 4 vx. Alley 5 drinkoff. Delwyn tries to figure out what he just drank.





Seniors visiting the war memorial-left to right-Seth Bittker, Mike Mossey, Annetta Papadopolous, Dave Pederson, Larry Cheng, Michael Kwan, Ralph Lin, H. Roger Tang, Roman Gutierrez, Ted Mlynar Leonard Chen, Mitch Loescher, and Yun-Fong Lo.

Juniors-Greek statuary at the Huntington-Tourists:Lisa Wang, Nancy Hong, and Celia Ng. Statues-Bottom-John Bomberger, Andy Crews, Delwyn Gilmore, Bryan Kim, Jon Liljebblad, Chris Rosin. Top-Chris Martin, Matt Carlson, Mark Land, and Robert Lee.





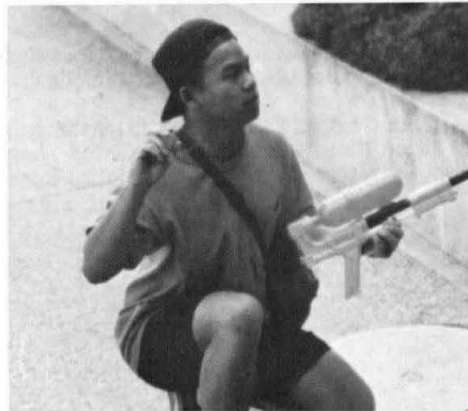
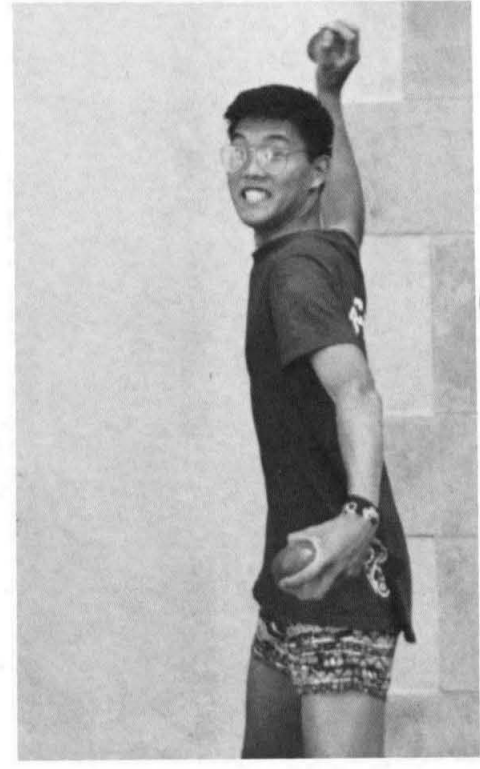


Sophomores in Beckman Institute Pond-Guys-Left, front to back, Ed Etzkorn, Brady Montz, Ahmed Serag, Tarun Kapur, Eddie Murakami, Tim Gerk, Todd Gustavson. Right-John Grade, Matt Durasoff, Keith Oslakovic, T.J. Creath, Steve Chang, Phil Cofield, Jeff Foust. Ladies-Lindee Goh, Melissa Li, Amy Hansen, Fatima Ebrahim, Val Jacox, Roanna Doty.

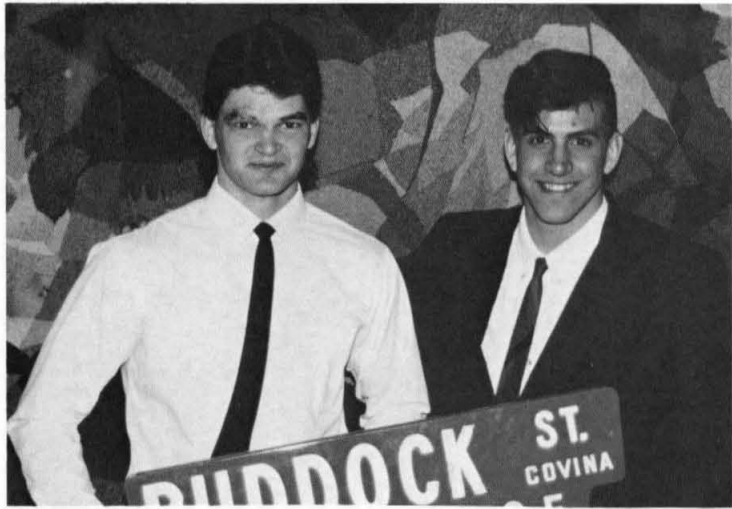
Frosh on a Cactus-Front to back, left to right-Mary Chen, Nina Cardoza, Lucia Kuhns, Jo Ignatowicz, William Anderson, Gerard Ketefian, Bob Fisher, Mike Lin, Charles Grosjean, Albert Lee, Robert Muñoz, James Patton, Betsy Barton, Michelin Aldridge, Aron Rempel, Brian Walton, Eric Wemhoff, Mark Hammig, Steve Mast, Robert Ugelsich, Hans Hornstein, Matt Baker, Justin Stapleton, Carol Johns, John Bassett, Lior Pachter Erica Wunderlich, and Stanley Grant. In New Orleans-Chris Launey.



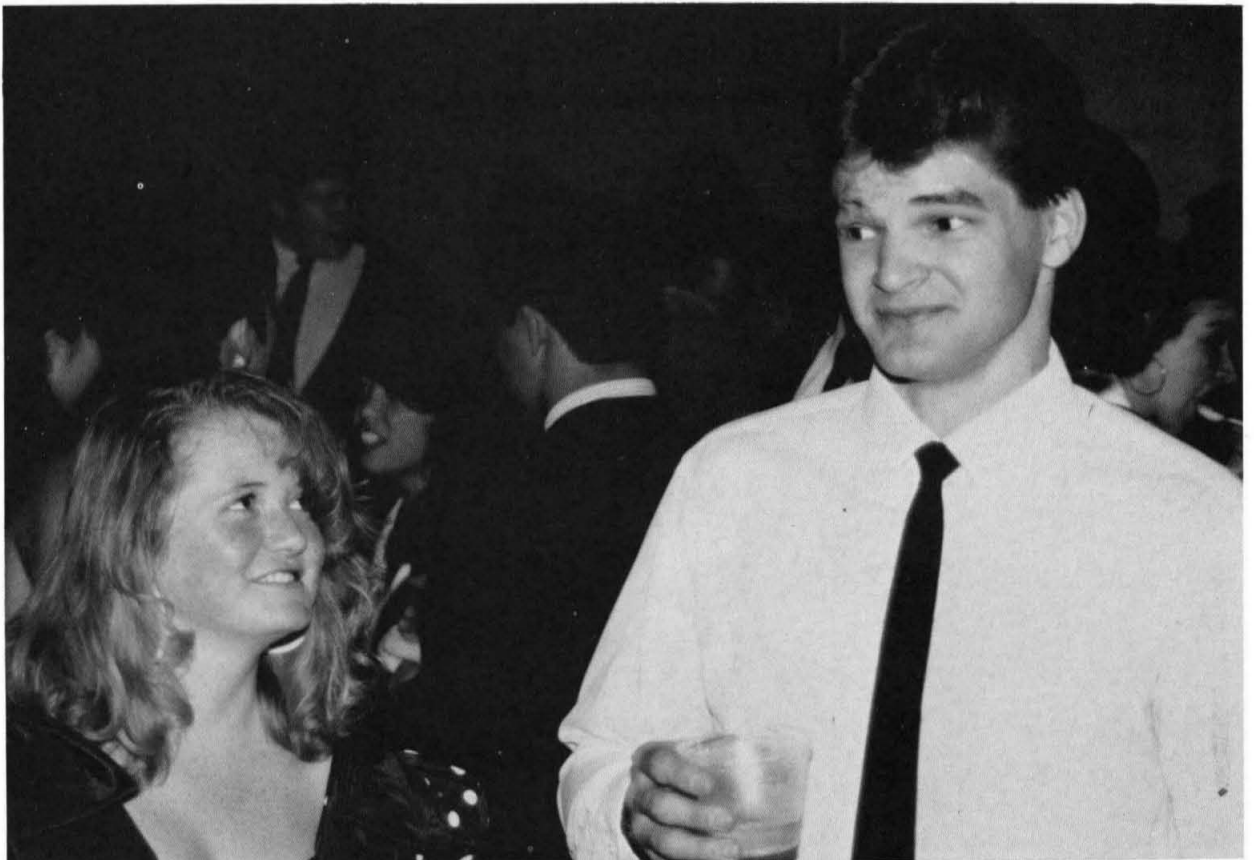




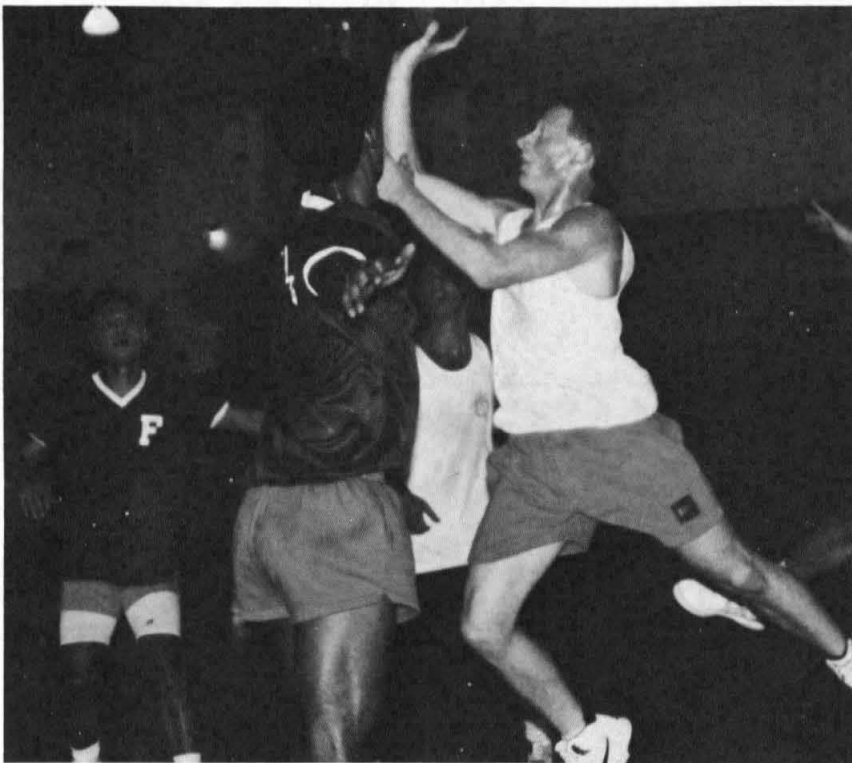
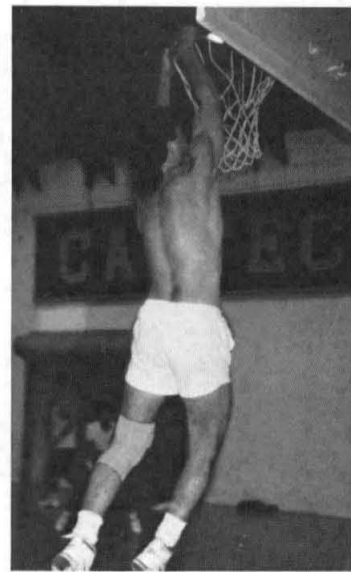
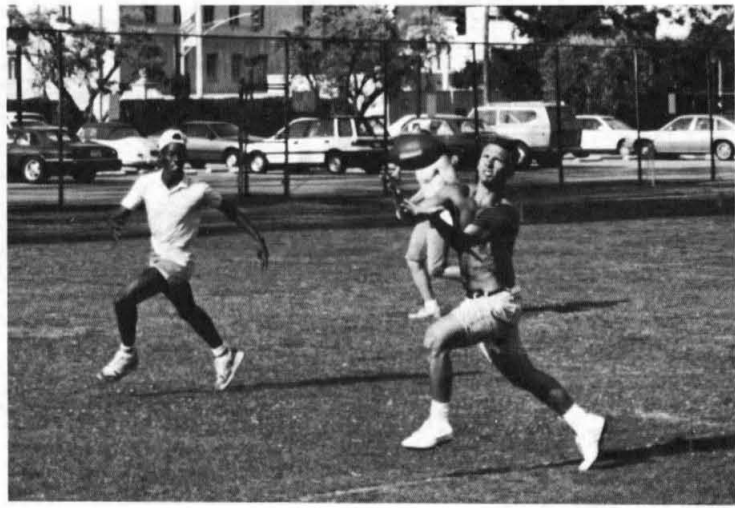




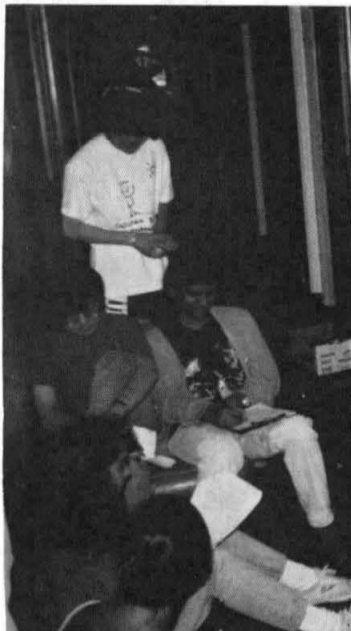
Living in the democracy that is Ruddock House-first you elect your leaders(this page), then you go to war(opposite page.) Newly elected in Ruddock House were President T.J. Creath, Veep Matt Durasoff, Secretary Delwyn Gilmore, Treasurer Tim Gerk, Social Team Nina Cardoza, John Bomberger, Jo Ignatowicz, Erica Wunderlich, and Heath Hunnicutt, Ath Team Alex Duncan, Keith Oslakovic, and Matt Baker, and Librarian Chris Launey. Hats off especially go to Chris Launey, for being such a regular customer in Kim West's office and a good frosh party. Opposite page, Alley Wars brings out the warrior spirit in all the members of Ruddock House. Unlikely candidates, mild mannered Dave Lin and Ed Etzkorn, not to mention Bloodmeister John Grade, with the most kills.



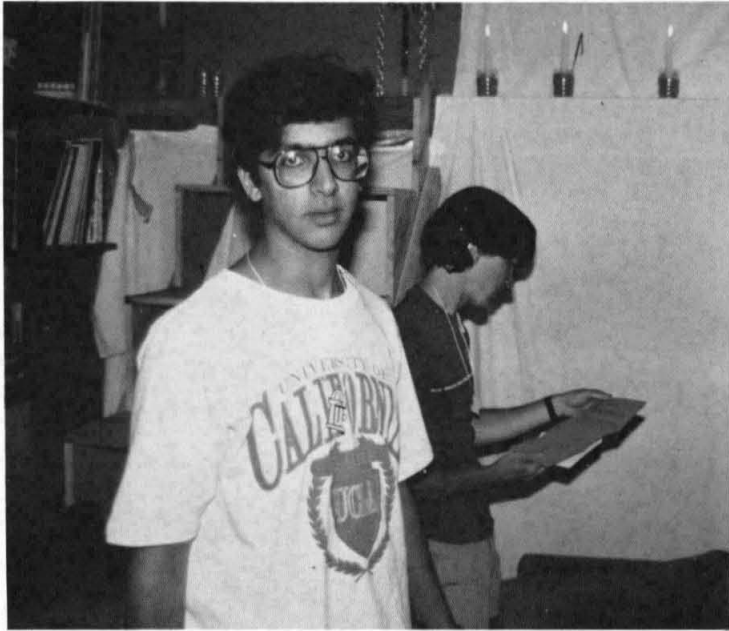
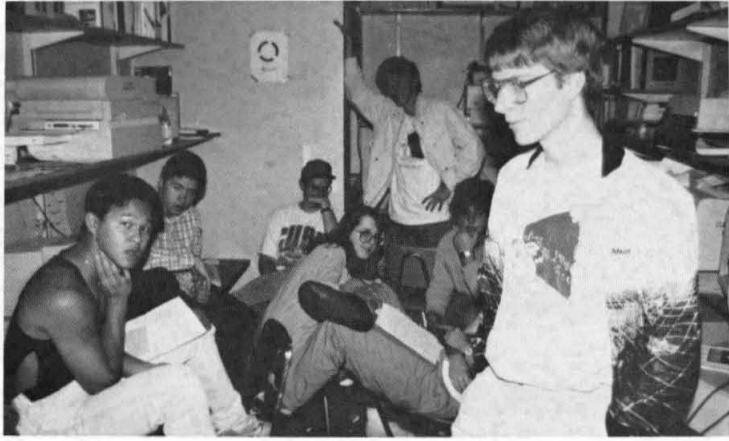




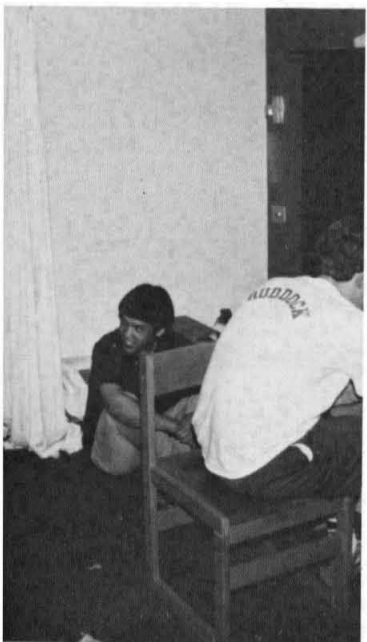
Ruddock's sports machine rolled to an easy third in Interhouse competition this year, under the guidance of ath men Keith Oslakovic, Alex Duncan and Matt Baker.





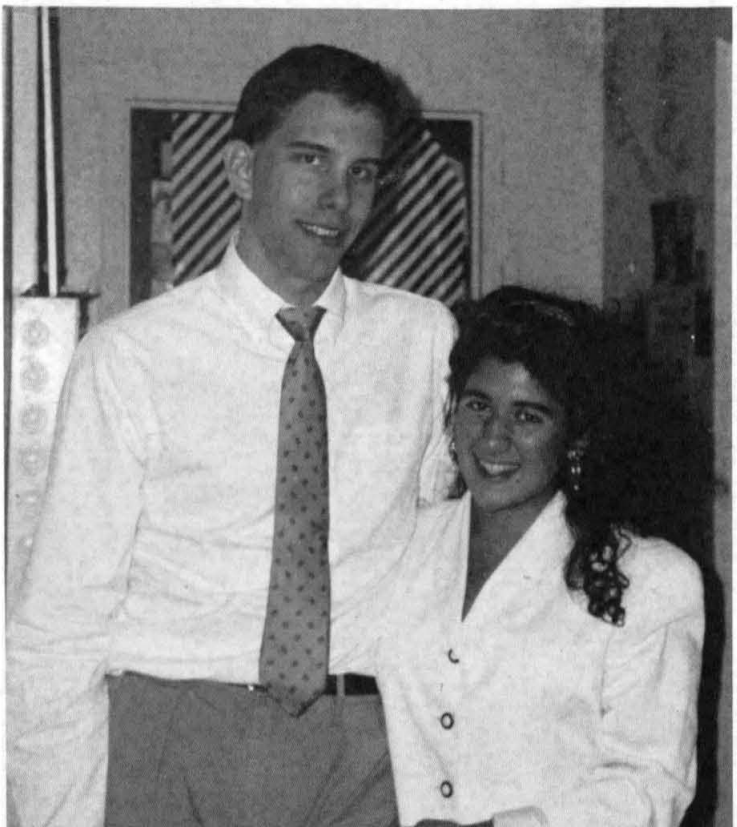


Ditch Day was marked by a dearth of seniors, and therefore, a dearth of stacks. But, a good time was had by all, even if everyone had to be woken up at eight in the morning.



So ends the Ruddock yearbook section. Thanks to all the people who gave me pictures. Special thanks to Nina Cardoza.

-Your Historian,  
John Krowas











Senior Ditch Day is an old tradition at Caltech.

*A New Century of  
Seniors*



Lindsey Dubb  
Belmont, CA  
Biology



Samantha Andrews Seaward  
Solana Beach, CA  
Biology



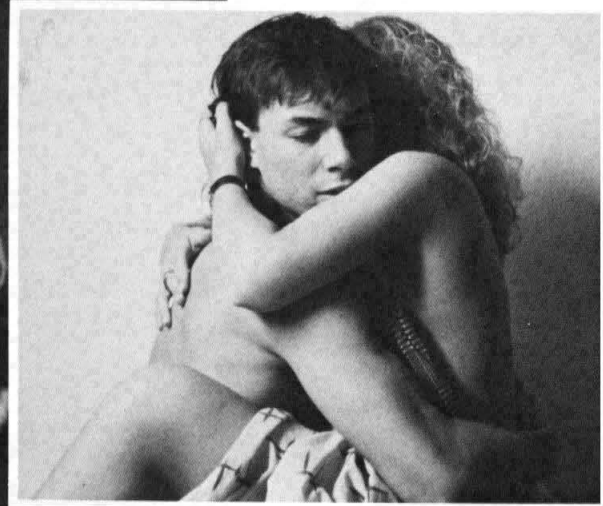
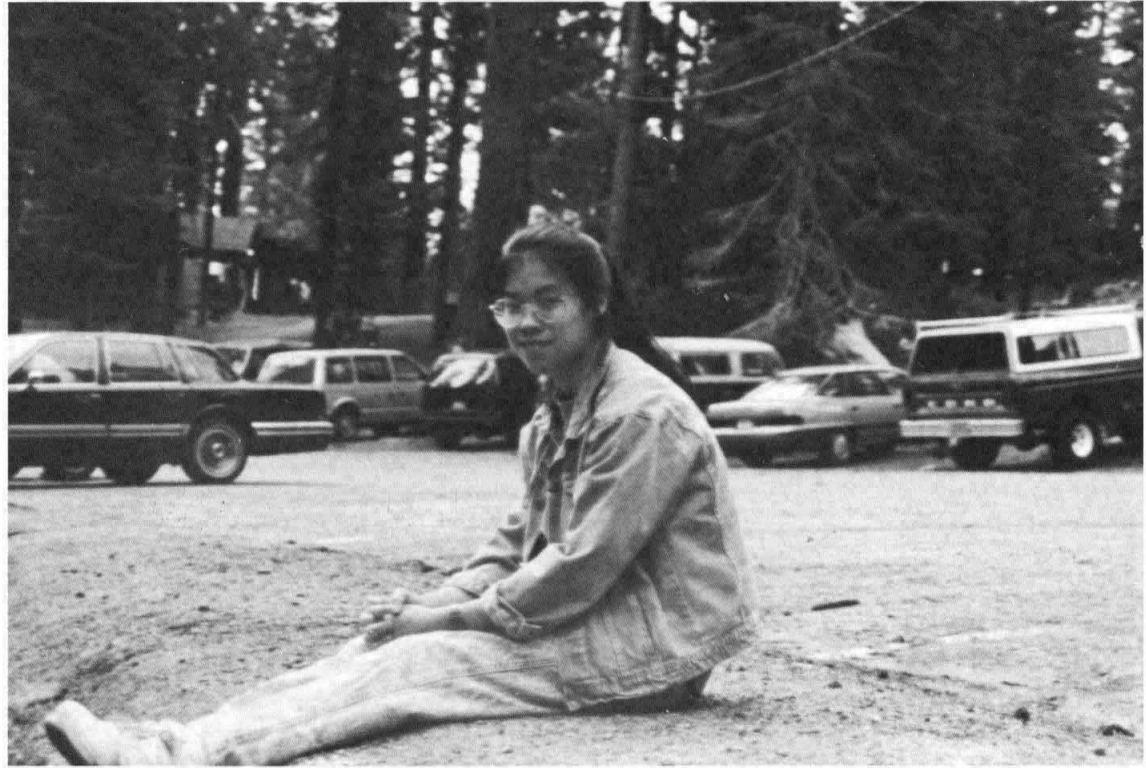






I think,  
I think that I think,  
I think that I think that I think that  
I can.

Anita Lee  
Platteville, WI  
Applied Physics



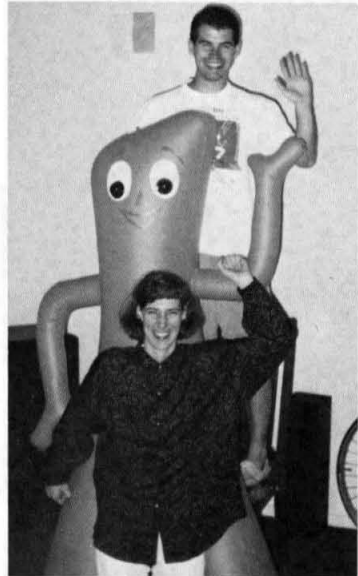
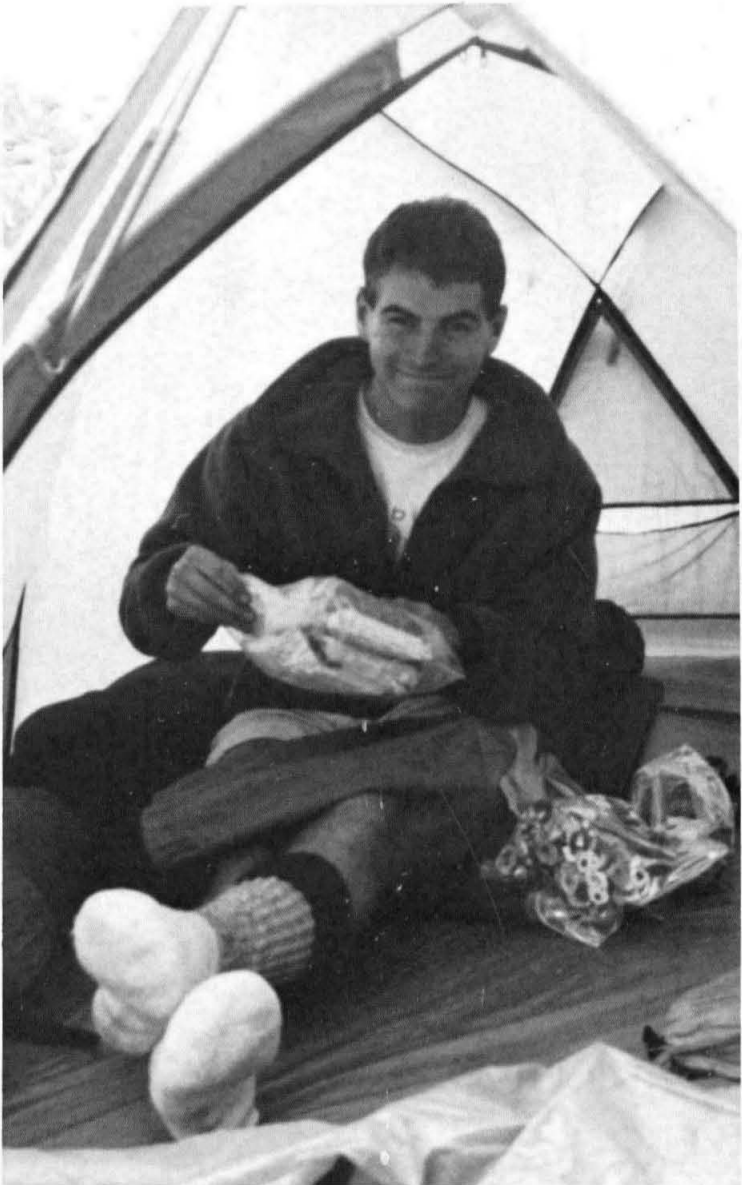
Mark A. Schmidt  
Warsaw, IN  
Biology



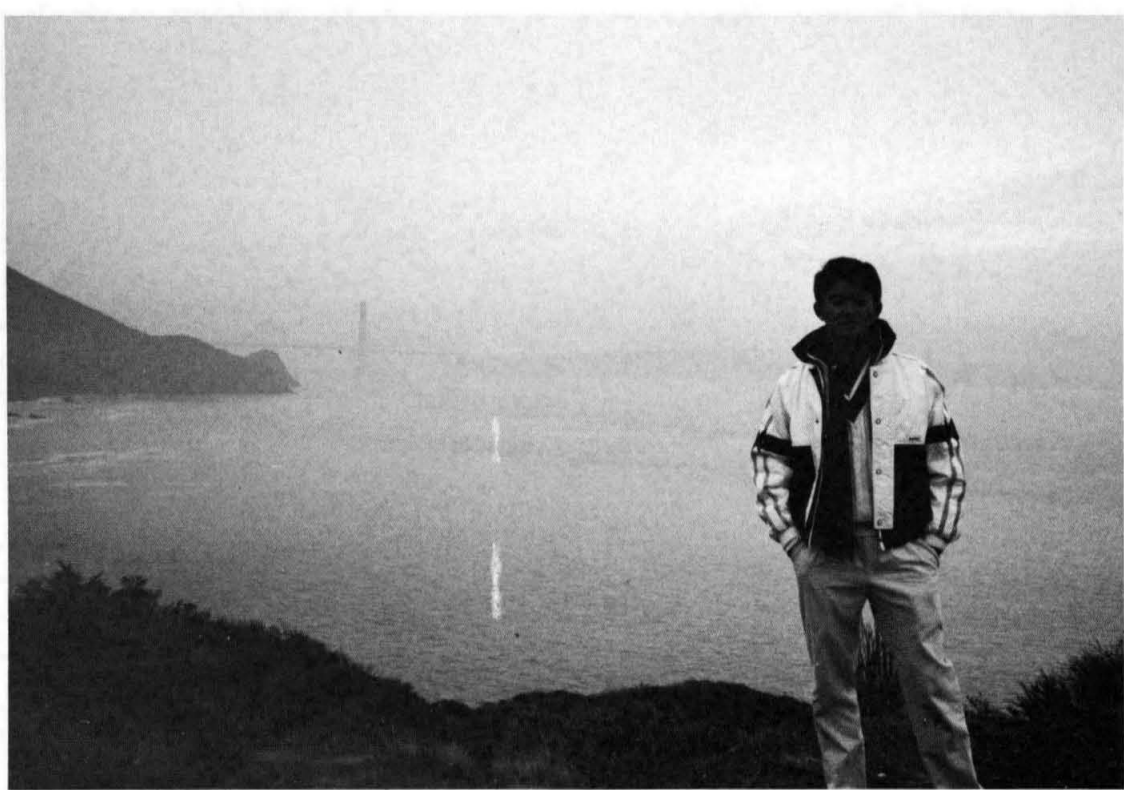
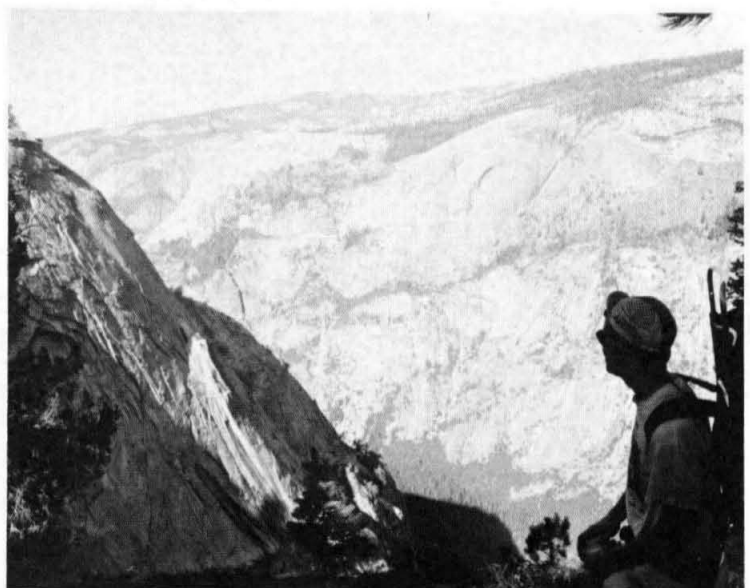
"Poor is the man whose pleasures  
depend on the permission of an-  
other."

--Madonna





Steve McLaughlin  
Bellevue, Washington  
Economics/ Biology



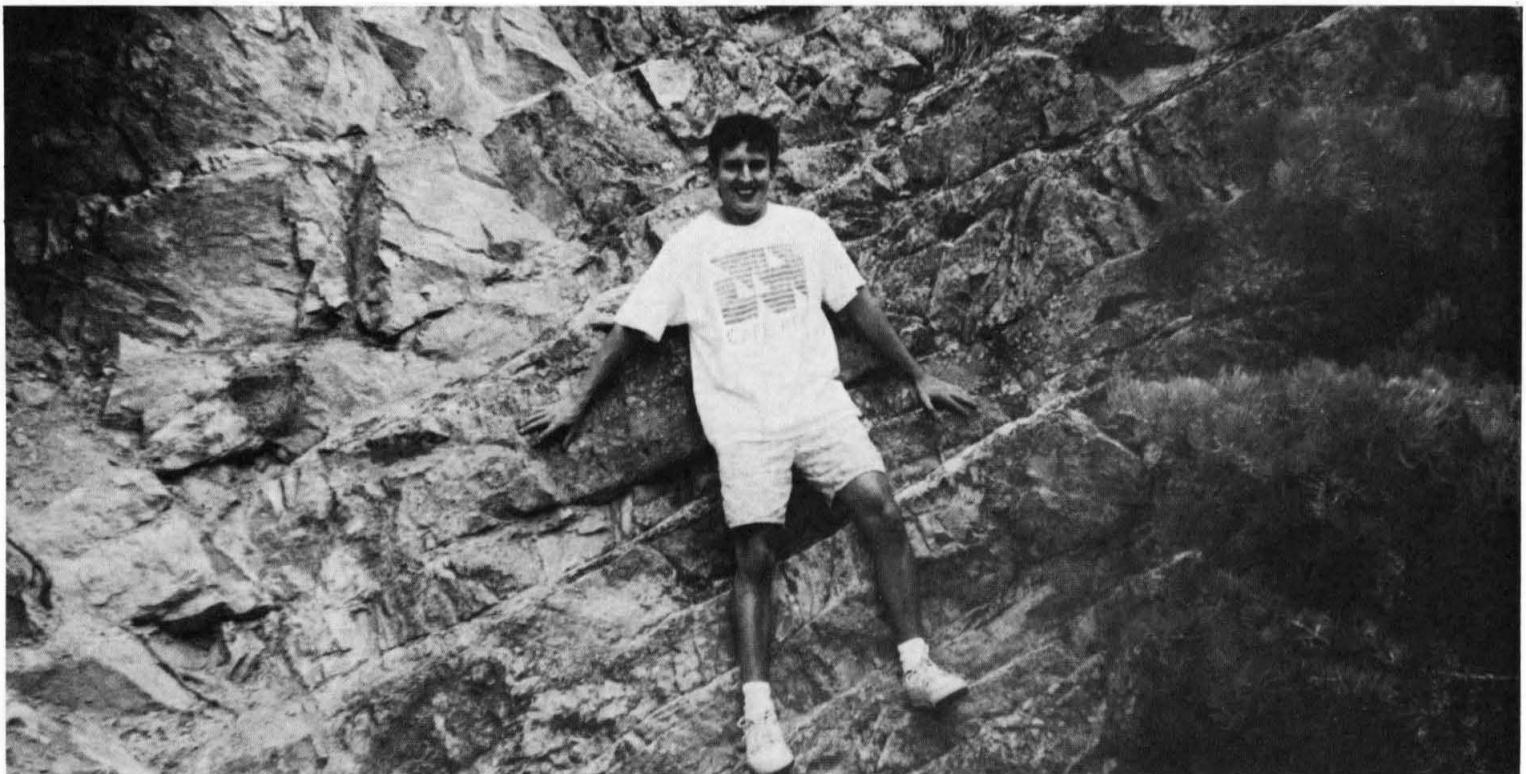
Dong-Su Kim  
Seoul, Korea  
Applied Physics



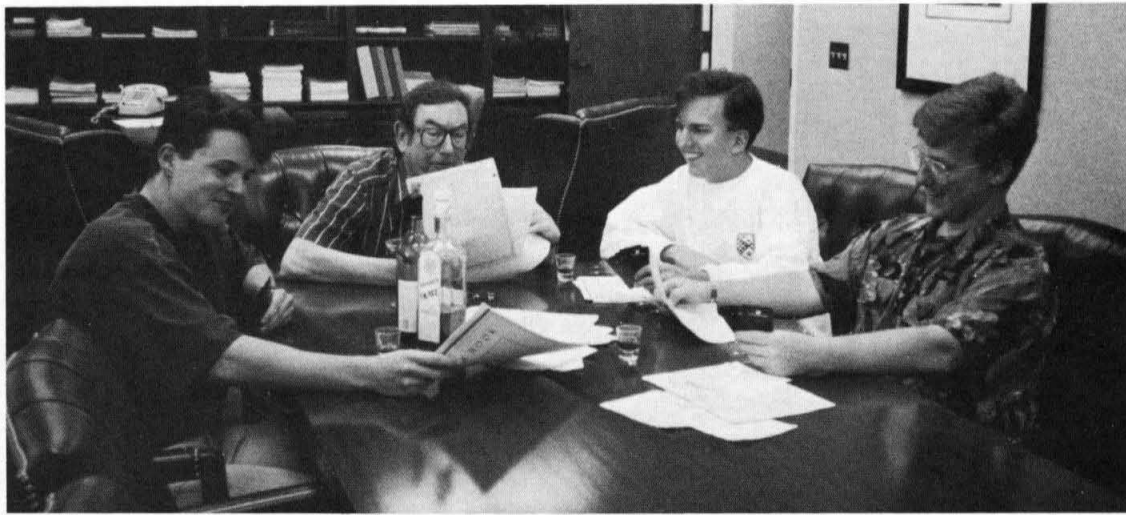
Roger Tang  
Tempe, AZ  
Applied Physics

Theodore J. Mlynar  
Pound Ridge, NY  
Electrical Engineering

"Life of the Edge"







"I'll see your two homework sets  
and raise you 9 units of A."

"When 14.7 PSI is just not  
enough."

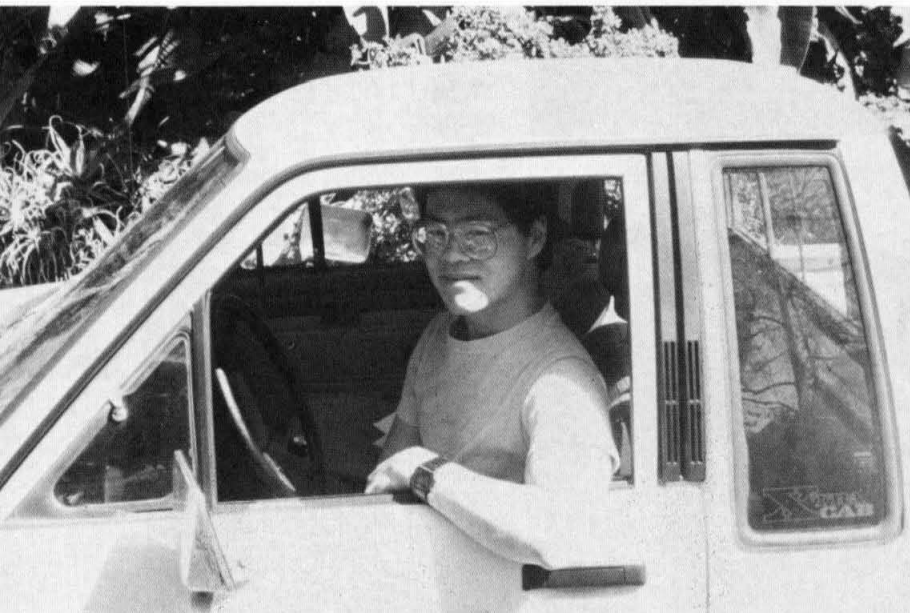


Mitch Loescher  
Germantown, TN  
Chemical Engineering/ Economics



Alex Wein  
New York, NY  
Chemistry/ History

Myron Ahn  
Riverside, CA  
Applied Physics

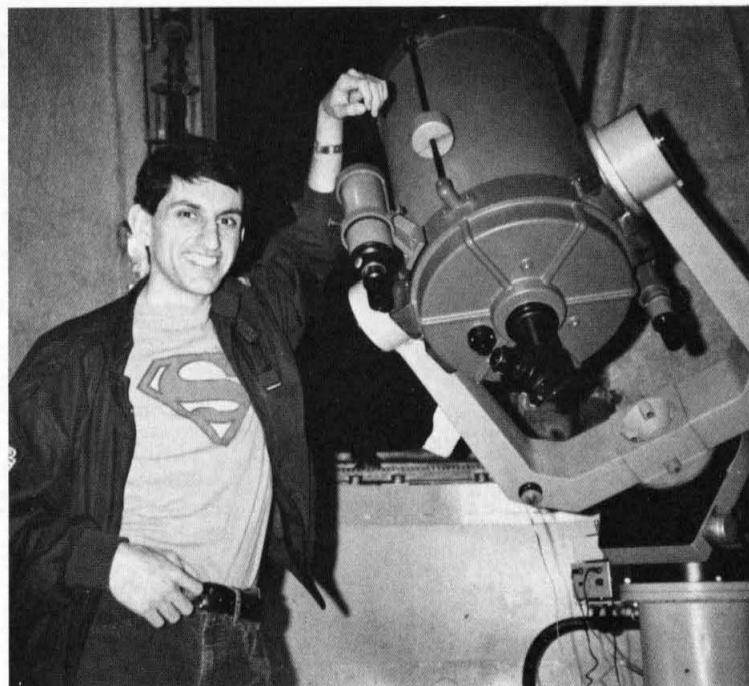


ESQON  
FOONH  
T

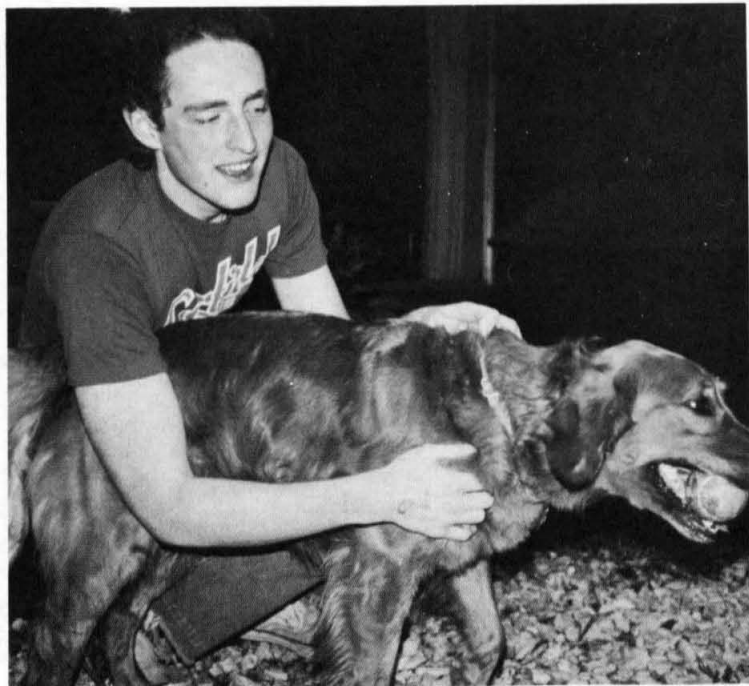
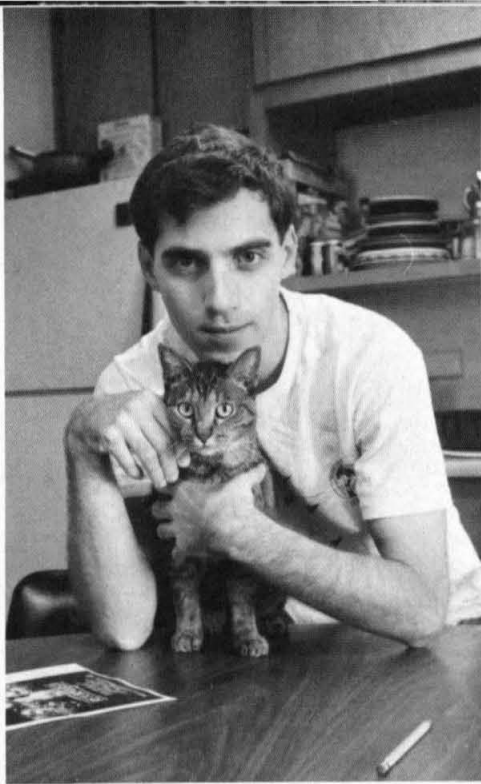


Varoujan Gorjian  
Astronomy  
Glendale, CA

"The Circle is not complete..."



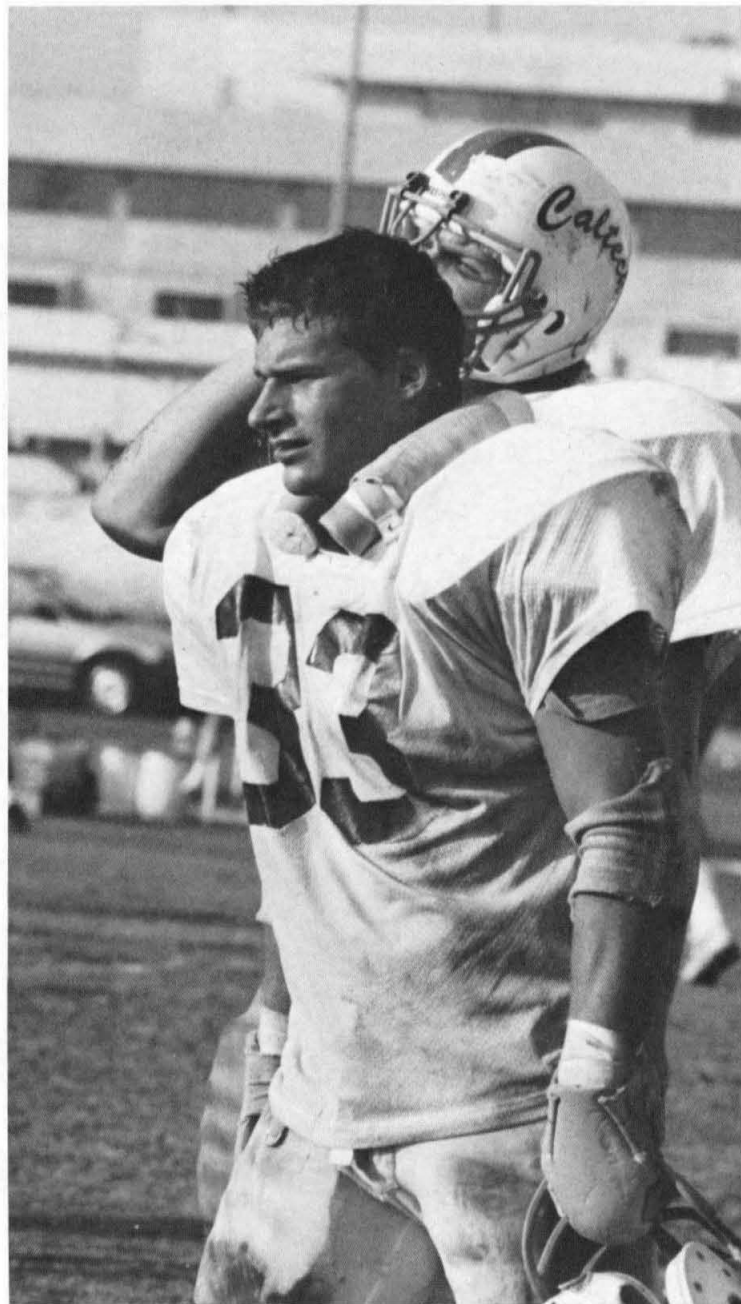
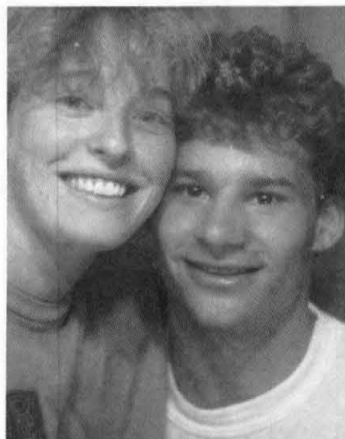




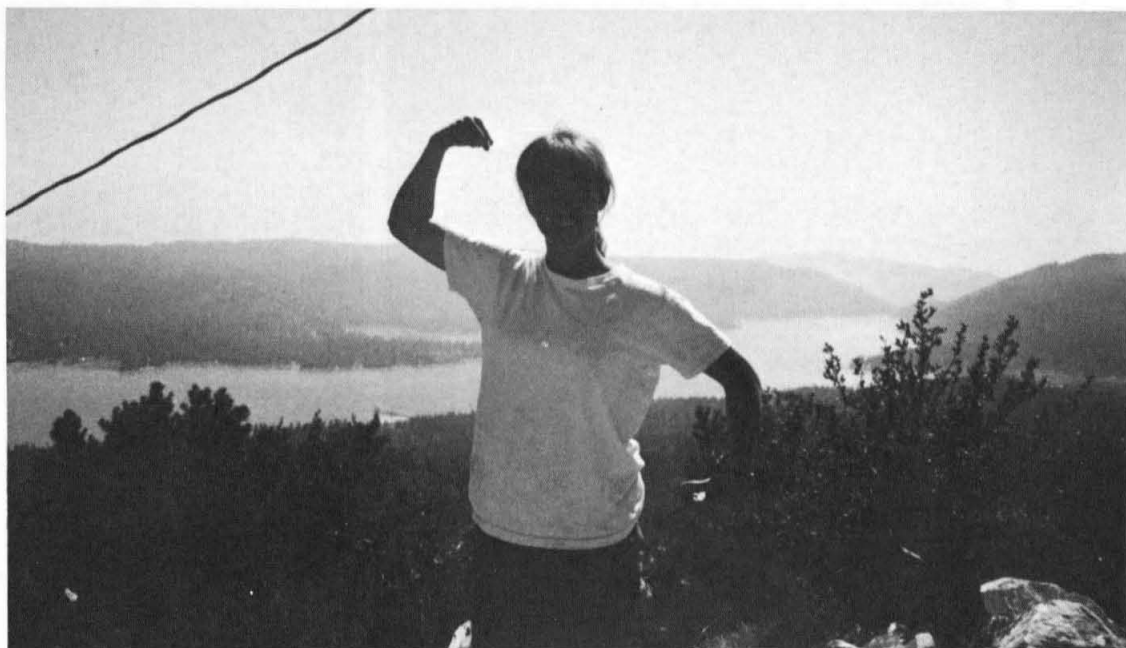
Rajeev Ram  
Bakersfield, CA  
Applied Physics



Eric Newman  
Sharon, MA  
Electrical Engineering



Elizabeth Warner  
Willits, CA  
Geochemistry/ Chemistry







Michael Ehlers  
Lincoln, NE  
Chemistry

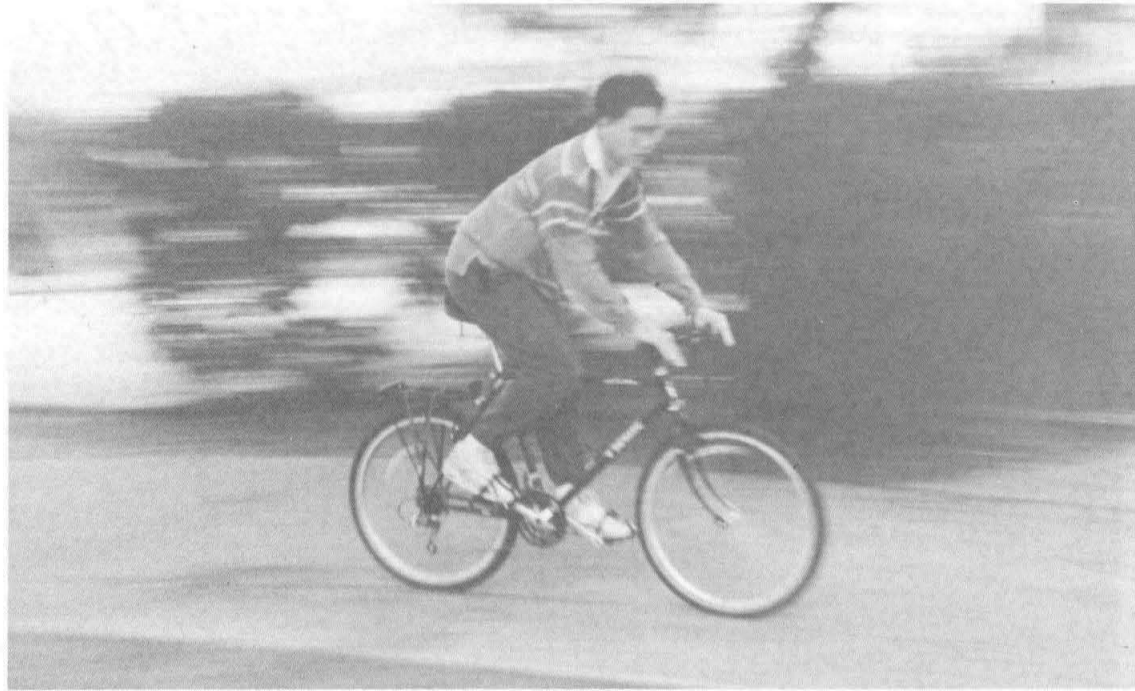
Laura Hernandez  
Santa Monica, CA  
Environmental Engineering/  
Biology



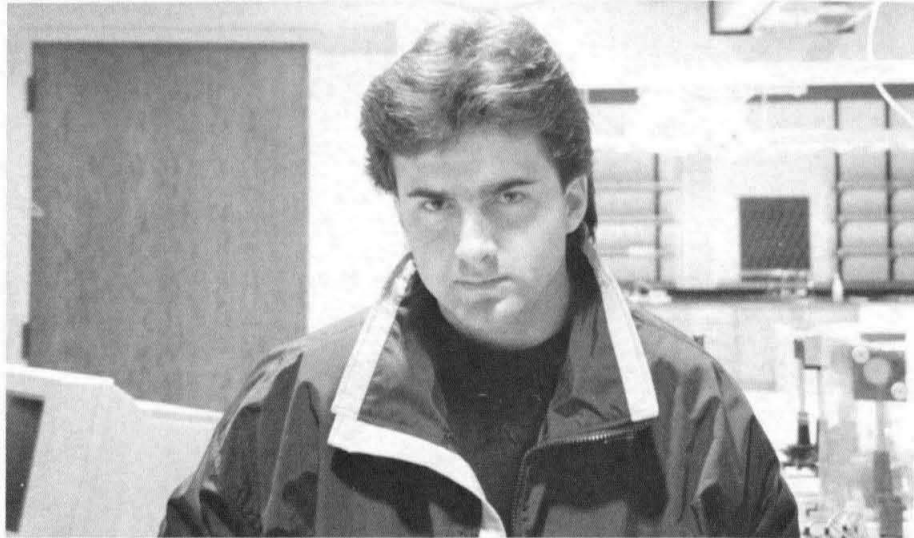
"Kowabunga"

--Raphael

Michael Kwan  
San Francisco, CA  
Chemical Engineering



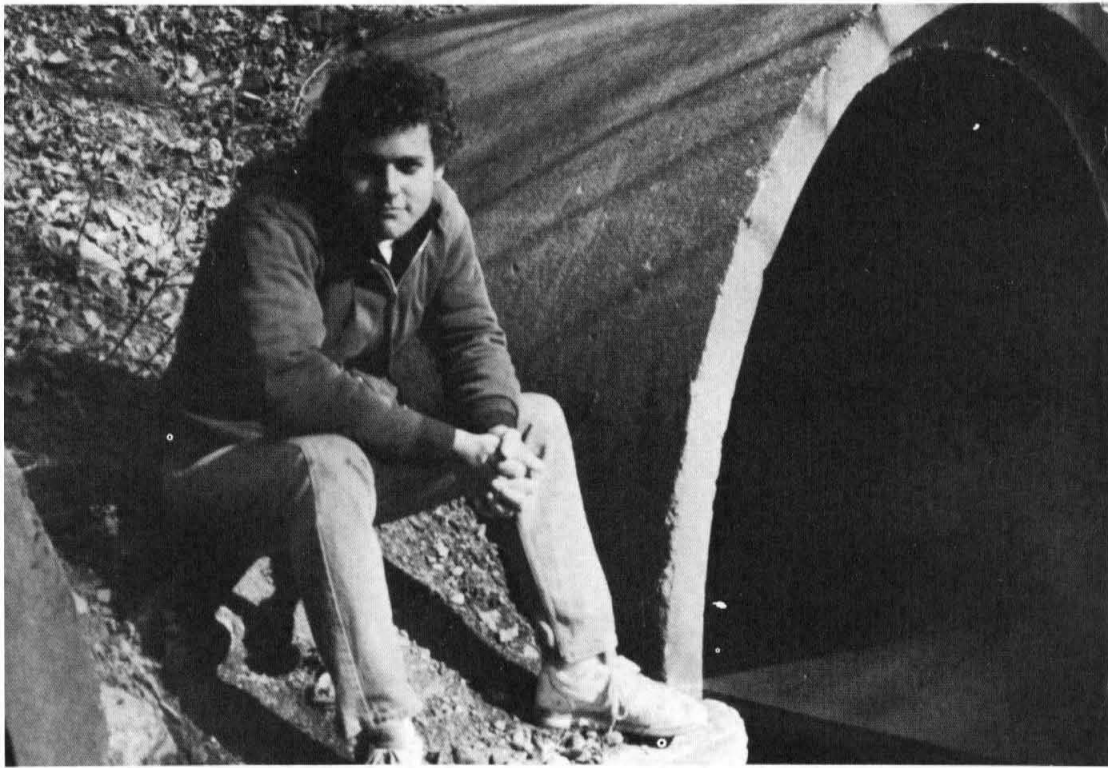
Michael Simpson  
Tampa, FL  
Chemical Engineering



Bart knows . . . softball  
soccer  
ultimate  
~~volleyball~~  
broomball  
basketball  
tennis  
football







Pete Wyckoff  
Sidney, OH  
Chemical Engineering



"Now let me get this straight... your entire country is above the timberline?"

David Coufal  
Colorado Springs, CO  
Chemistry

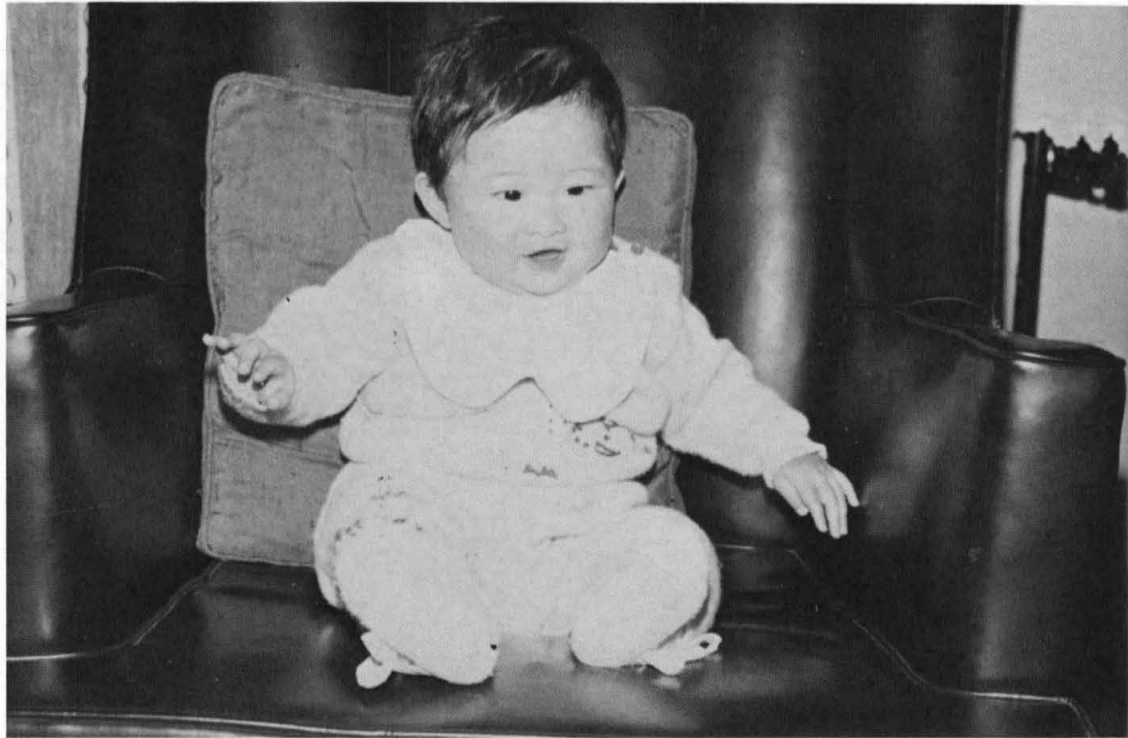


"Good-bye," said Eeyore.

"Mind you don't get blown away, little Piglet. You'd be missed. People would say, 'Where's little Piglet been blown to?' - really wanting to know. Well, good-bye. And thank you for happening to pass me."

- A. A. Milne

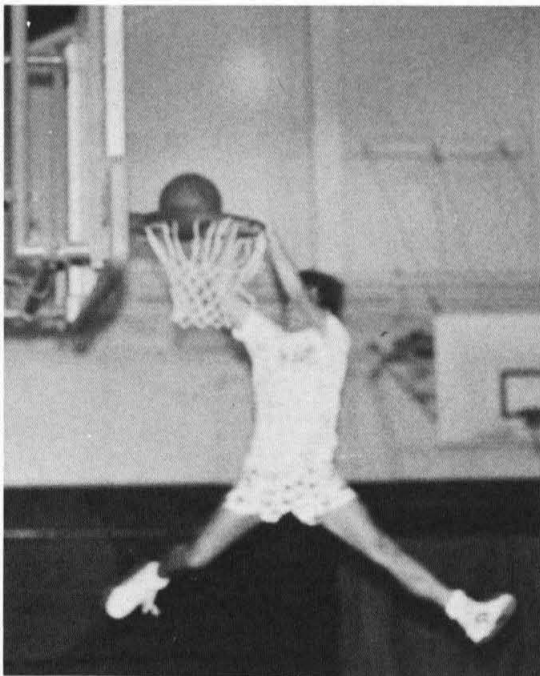
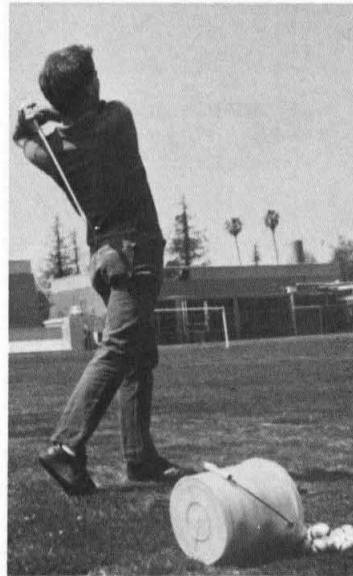
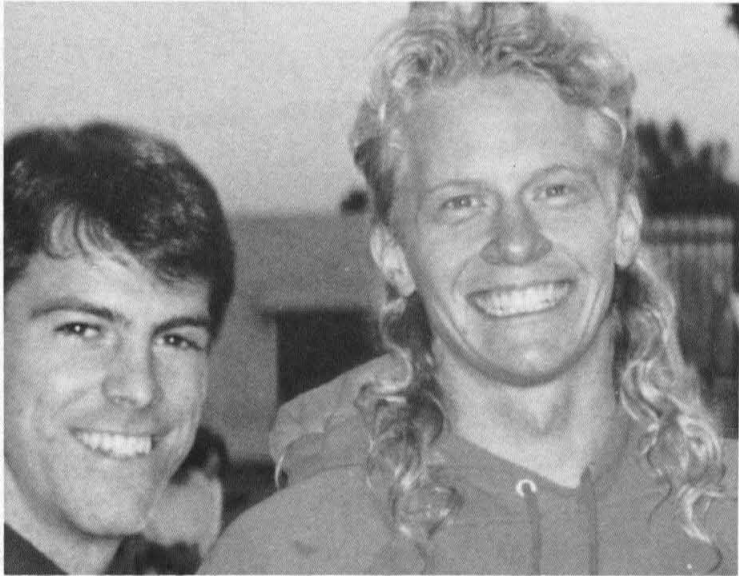
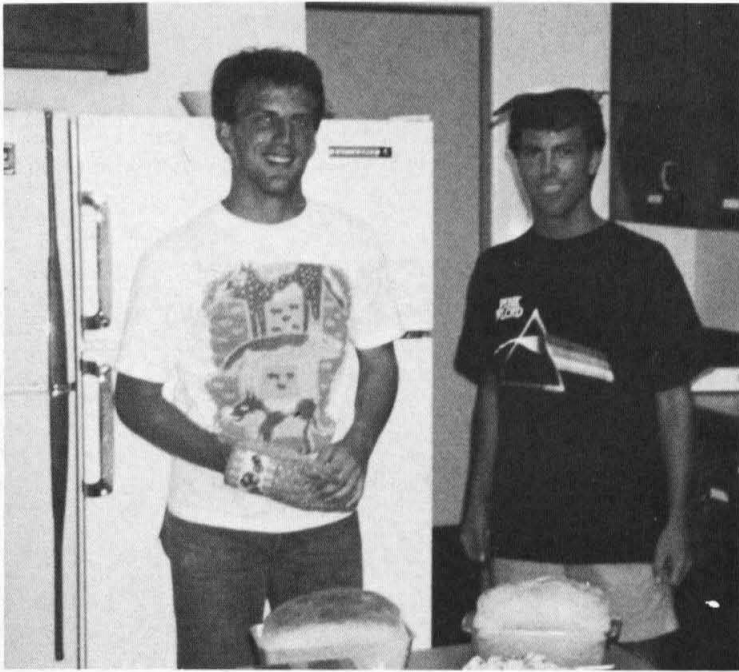
Janet Lai  
Hong Kong  
Chemical Engineering



Brandon (Max) Baumert  
Long Beach, CA  
Chemical Engineering







Jeff Koehler  
Lakewood, CA  
Chemical Engineering

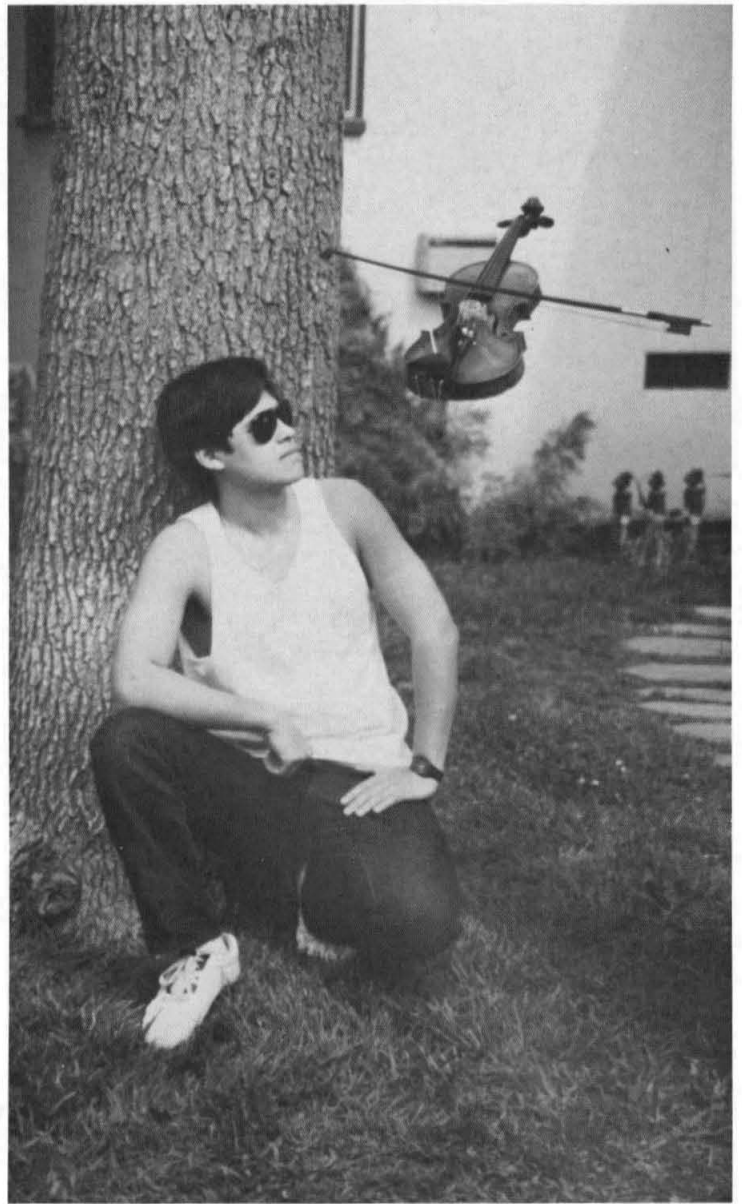
Mike Pottenger  
Fair Oaks, CA  
Engineering & Applied Science



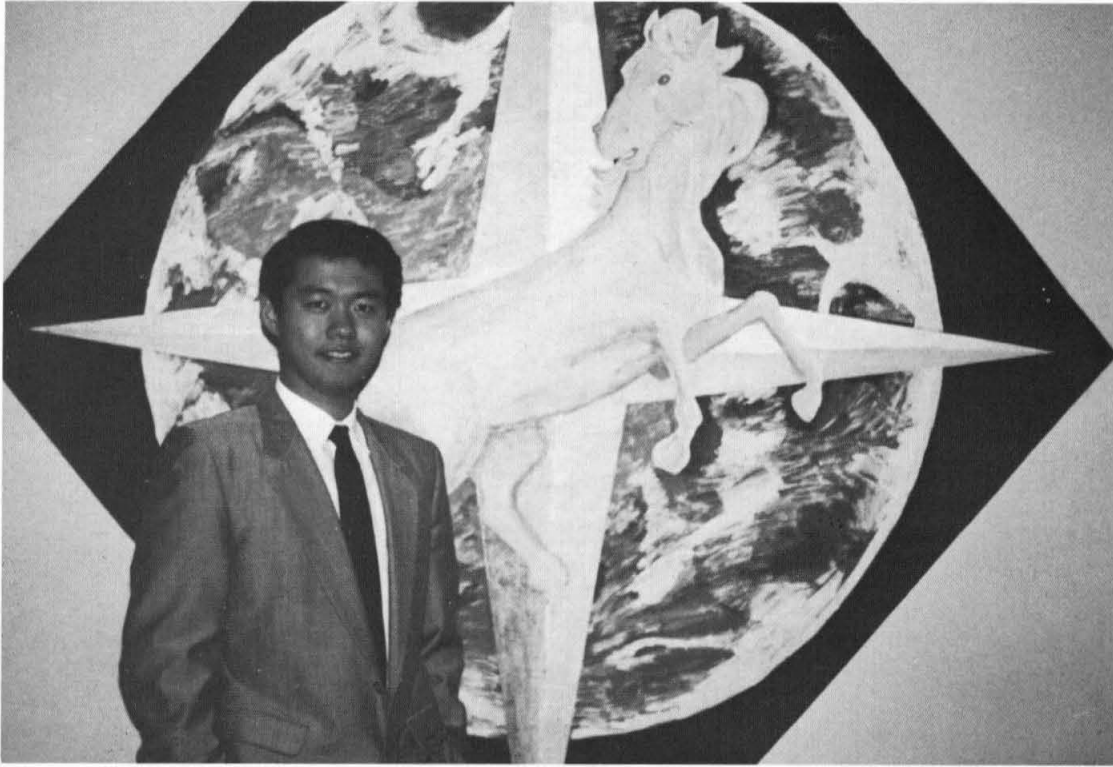
Leonard Chen  
San Juan Capistrano, CA  
Electrical Engineering

"We cannot tame nature;  
We can try to harness it, and that  
only for a little while."

Zulfiqar Khan  
Lahore Cantt 13, Pakistan  
Electrical Engineering







Jun-Young Jeon  
Los Angeles, CA  
Electrical Engineering



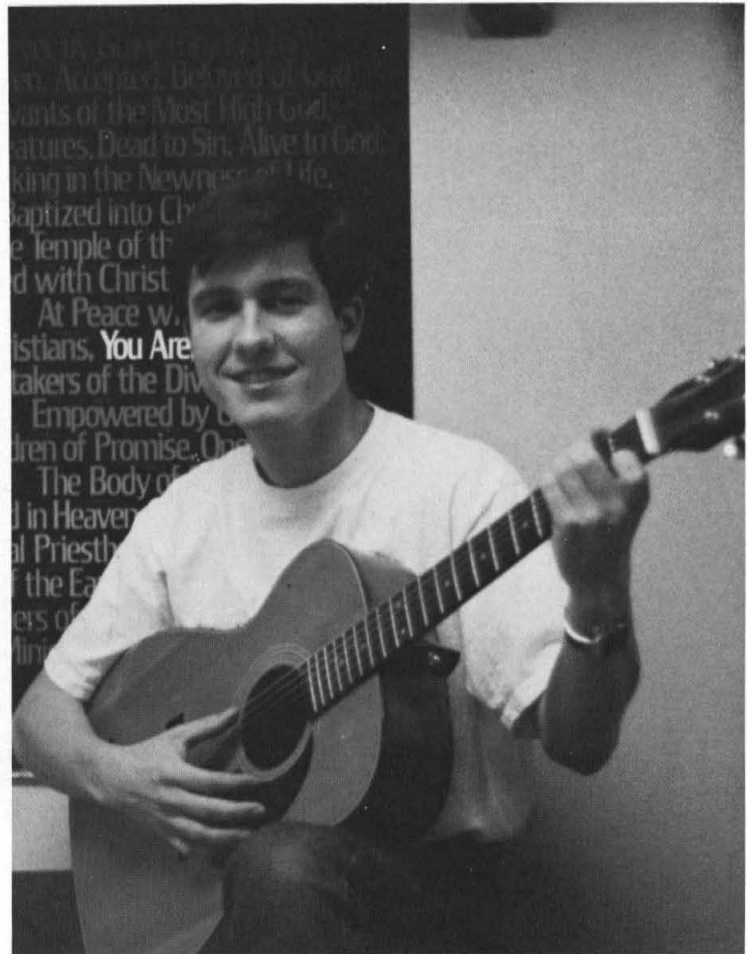
Sabeer Bhatia  
Bangalore, India  
Electrical Engineering

Suresh Shanmugam  
Bangalore, India  
Electrical Engineering



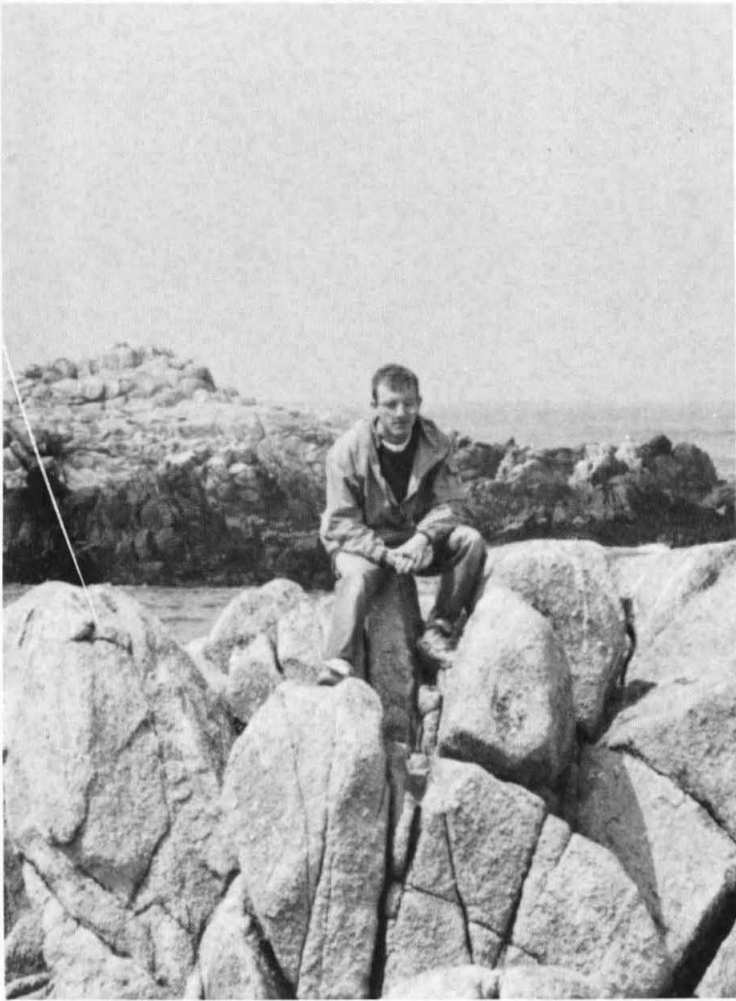


Brian Shim  
Anaheim, CA  
Electrical Engineering



David Emerson  
Strathmore, CA  
Electrical Engineering





Edward Vail  
Ann Arbor, MI  
Electrical Engineering

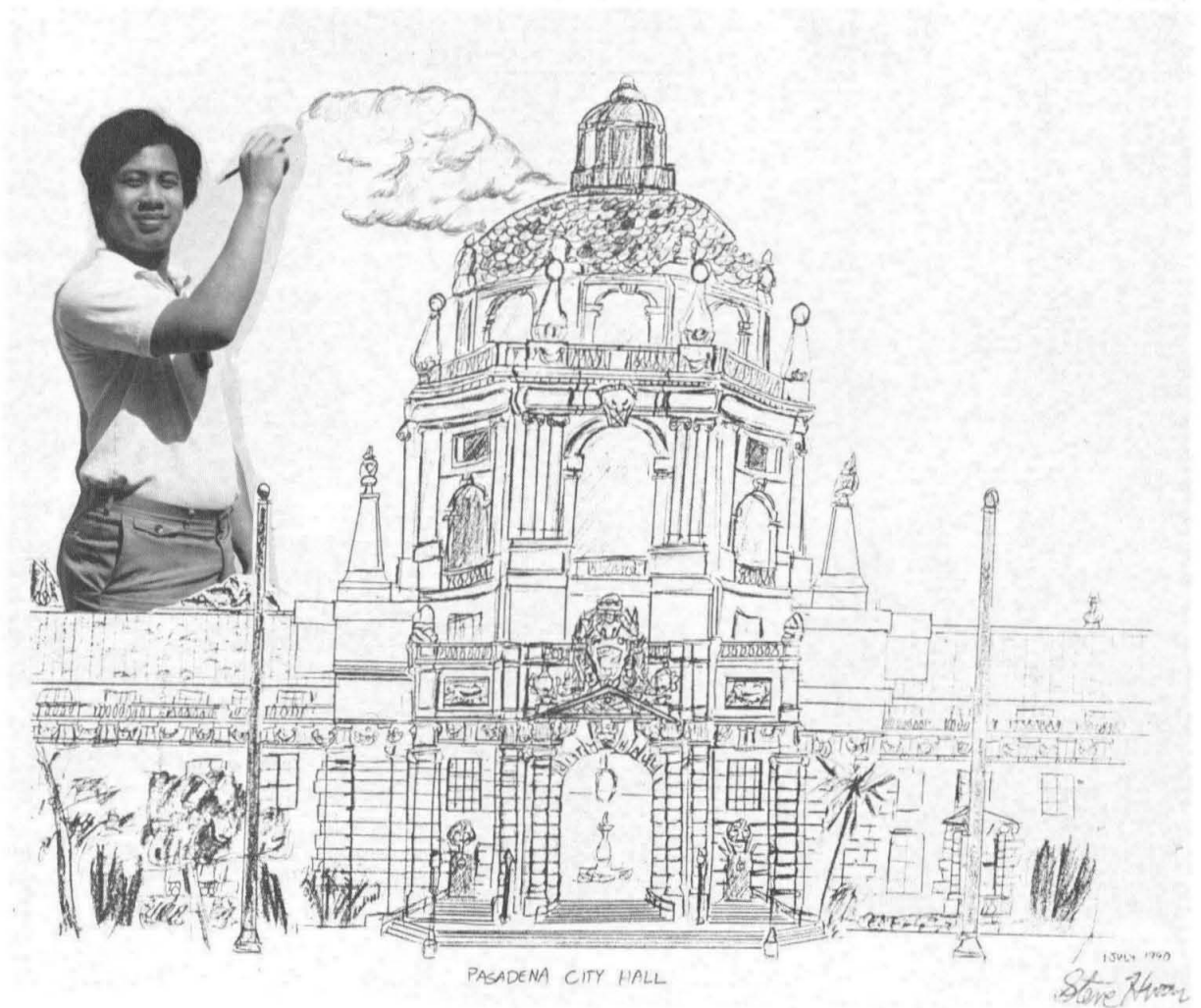


Jennifer Joh  
Chatsworth, CA  
Electrical Engineering

Sylvia Chin  
Honolulu, HI  
Electrical Engineering



Alice Lee  
Irvine, CA  
Electrical Engineering







Rob Padula  
Mission Hills, KS  
Electrical Engineering

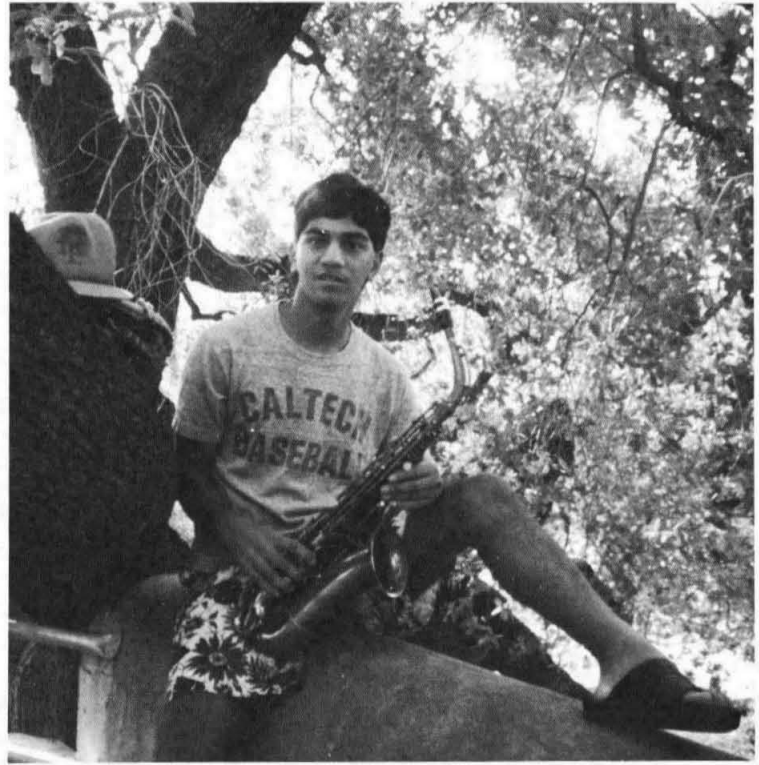
Mike Ricci  
Chatsworth, CA  
Engineering & Applied Science



Steve Hwan  
San Carlos, CA  
Electrical Engineering



Jinendra Ranka  
Poughkeepsie, NY  
Electrical Engineering



Atul Suklikar  
Bombay, India  
Electrical Engineering

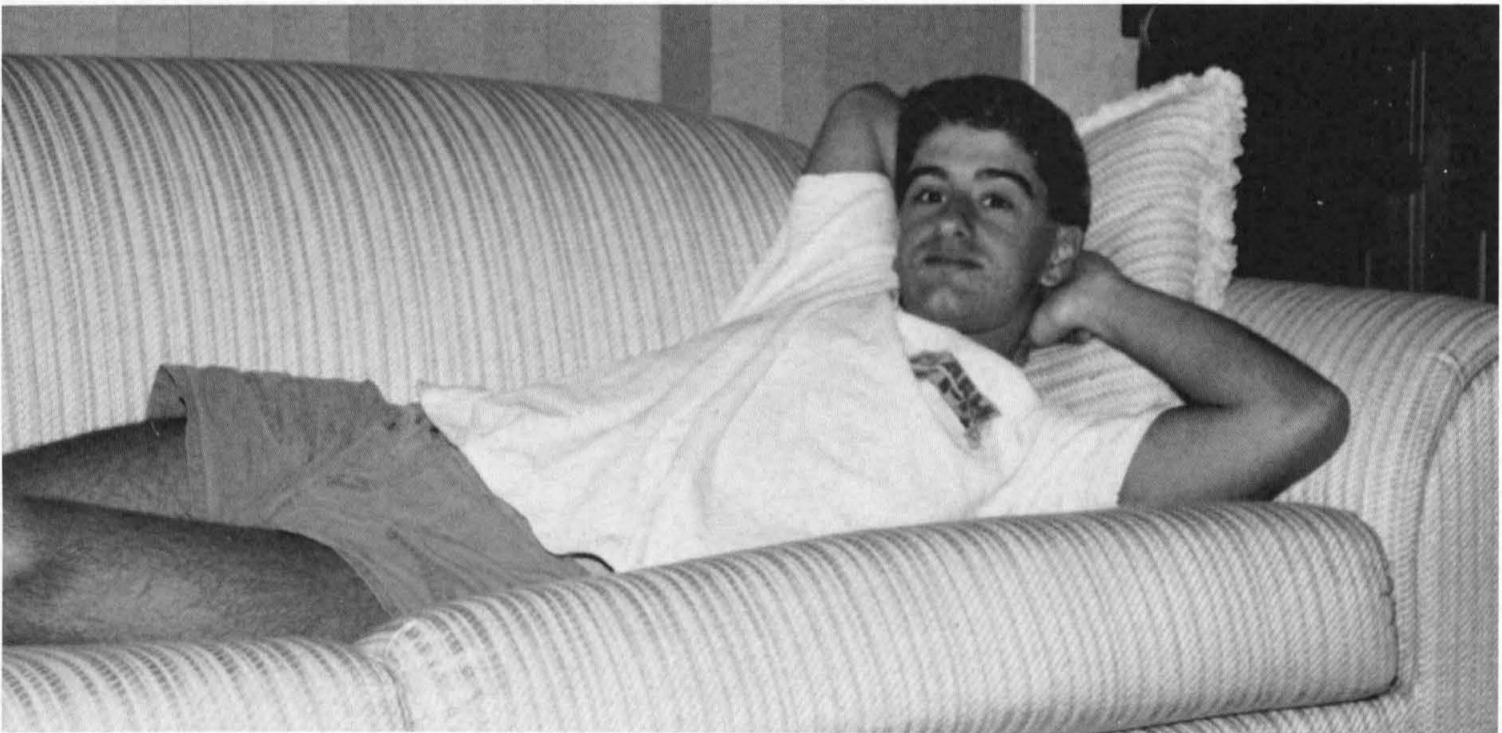
Bappa Mukherji  
McMinville, TN  
Economics





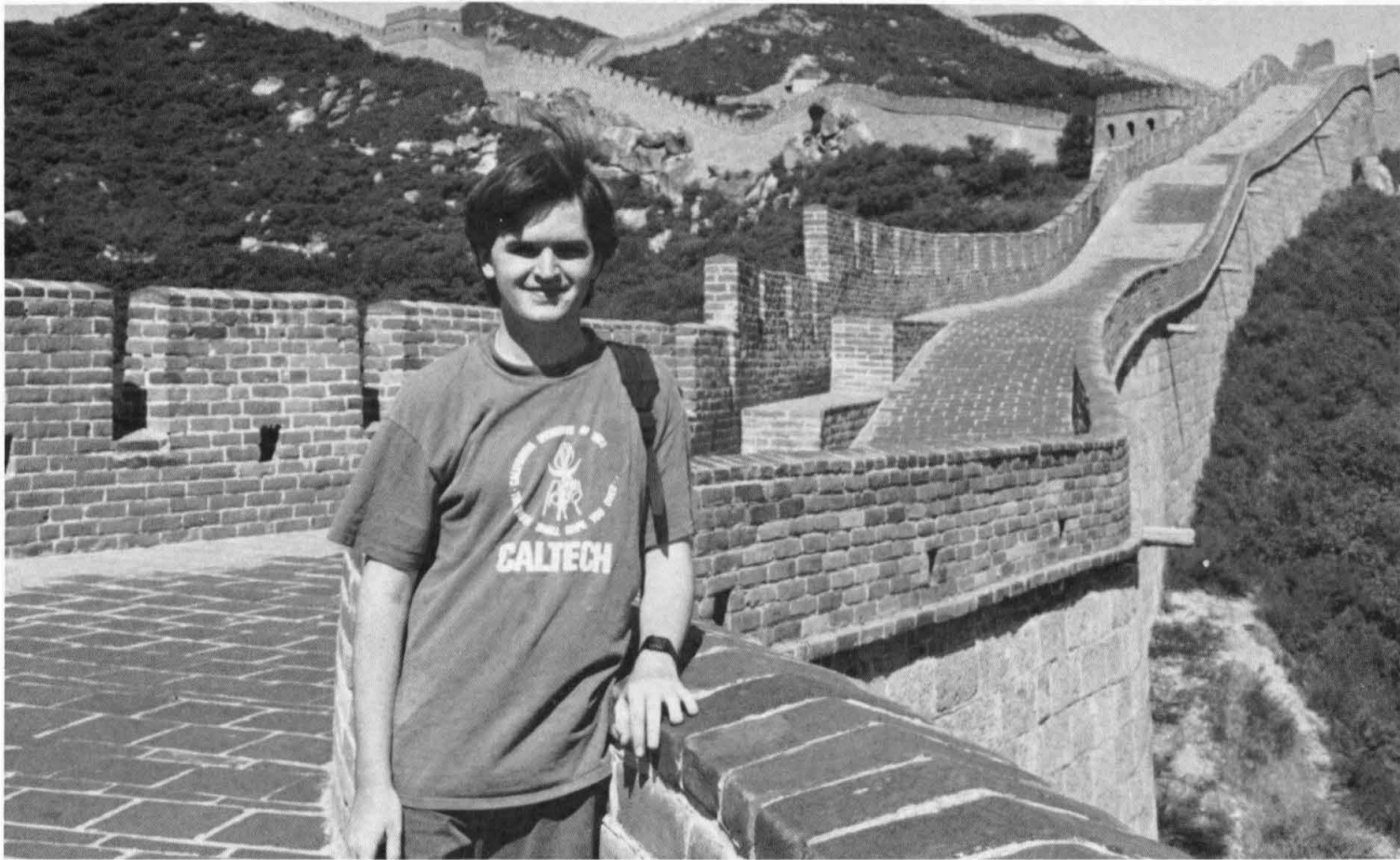


Boyd Bangerter  
Danville, CA  
Electrical Engineering



Art Shmurun  
Foster City, CA  
Electrical Engineering



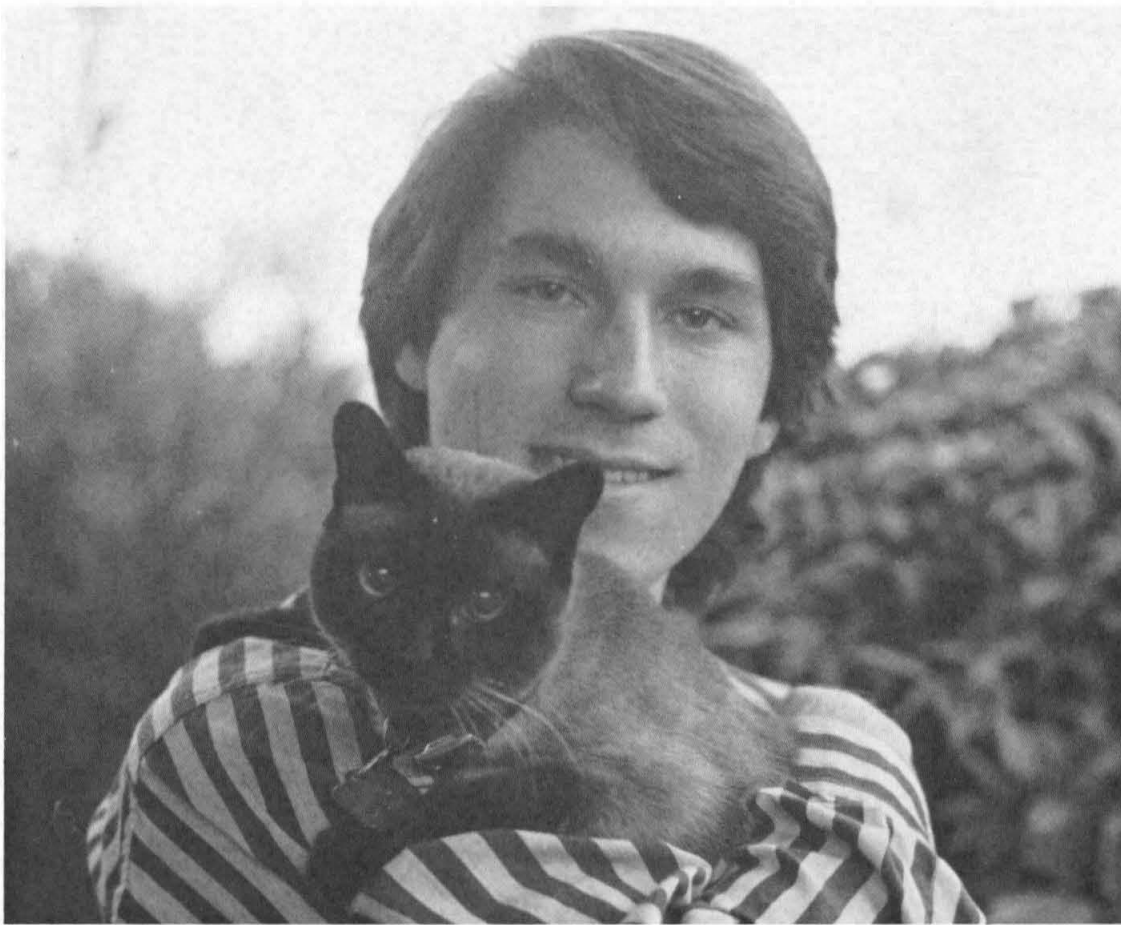


Chris Myers  
Billings, MT  
Electrical Engineering/History



Raymond T. Shen  
Montebello, CA  
Electrical Engineering





Scott Dolim  
Los Angeles, CA  
Computer Science

Mike Rozak  
East Aurora, NY  
Computer Science





"So many worlds, so much to do,  
so little done, such things to be."

- Tennyson

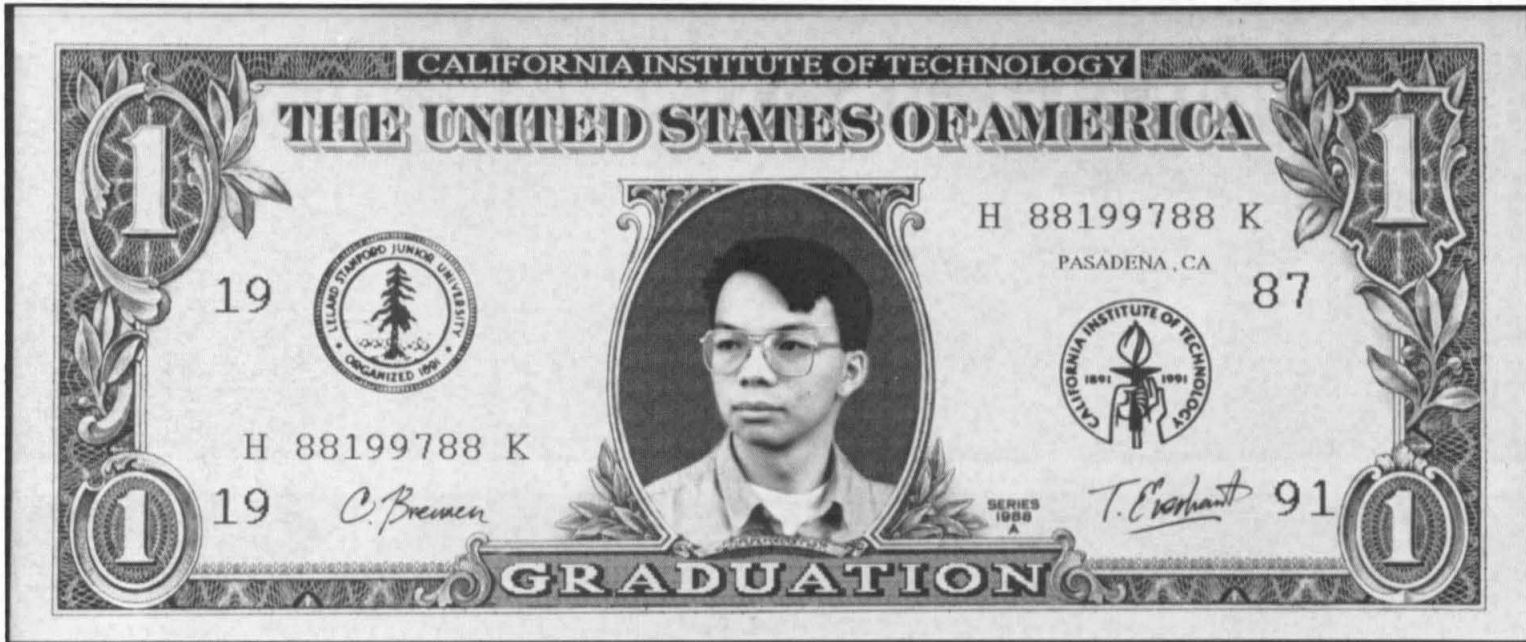
Jonathan Kwokching Chow  
Hong Kong  
Aeronautics

"I will not be a common man be-  
cause it is my right to be an un-  
common man.

I will stir the smooth sands of  
monotony."

- Peter O'Toole

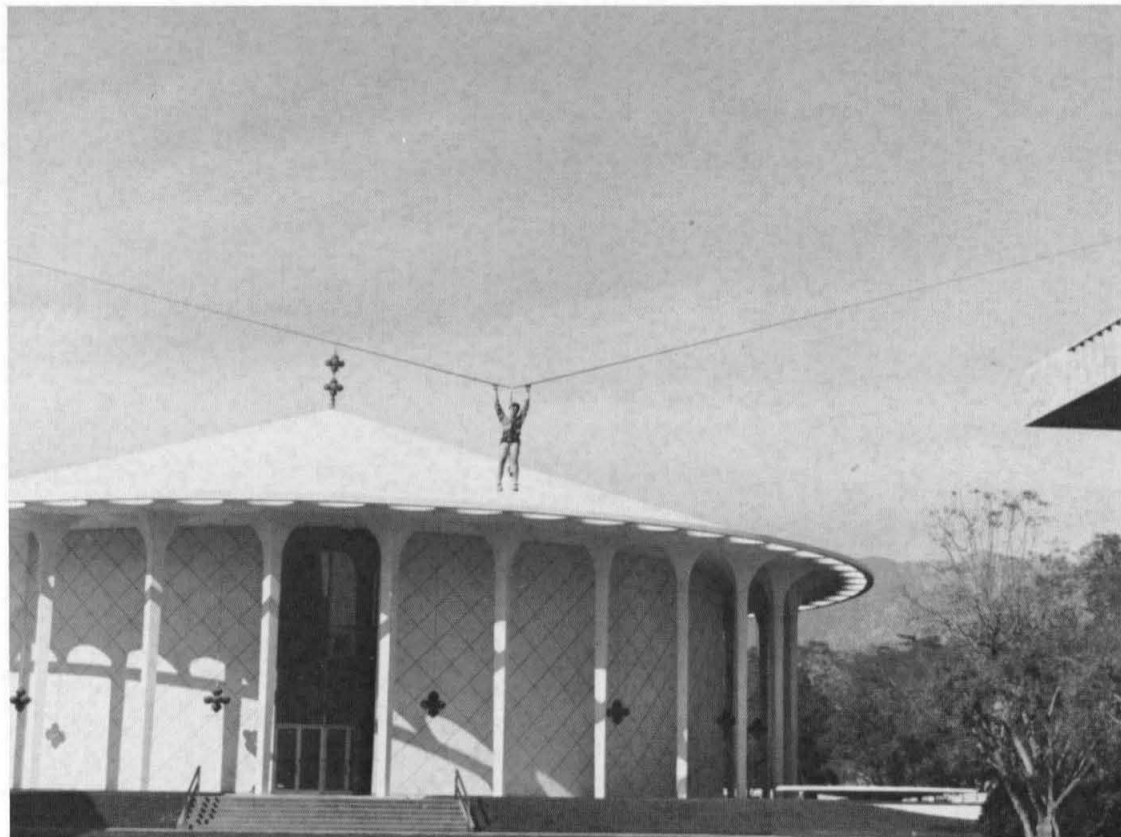
Harry Catrakis  
Cobham, Surrey, England  
Aeronautics



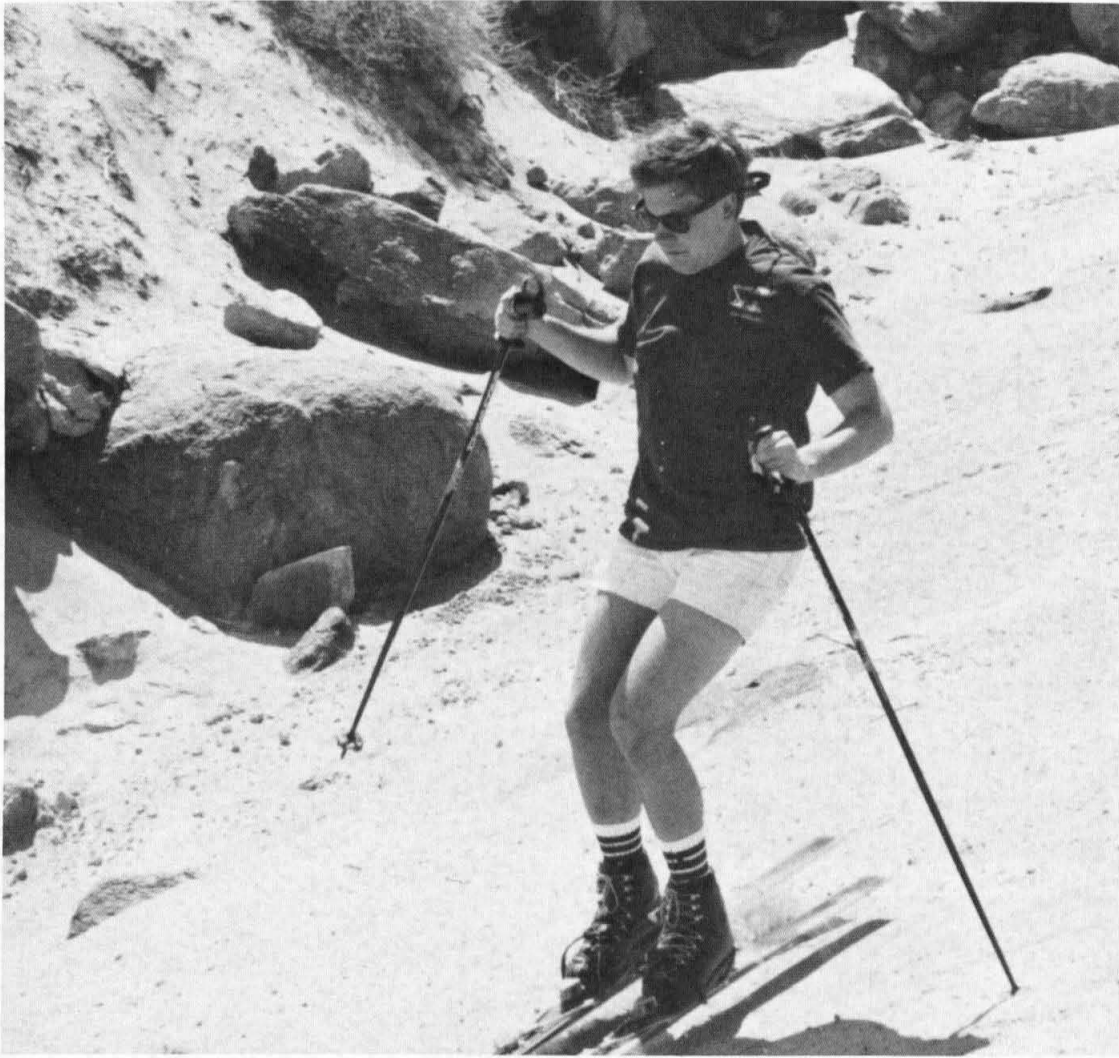
Nothing epitomizes the spirit of  
climbing better than the ability of  
the leader to move quickly and  
confidently when protection is  
poor or far below."

- Mountaineering

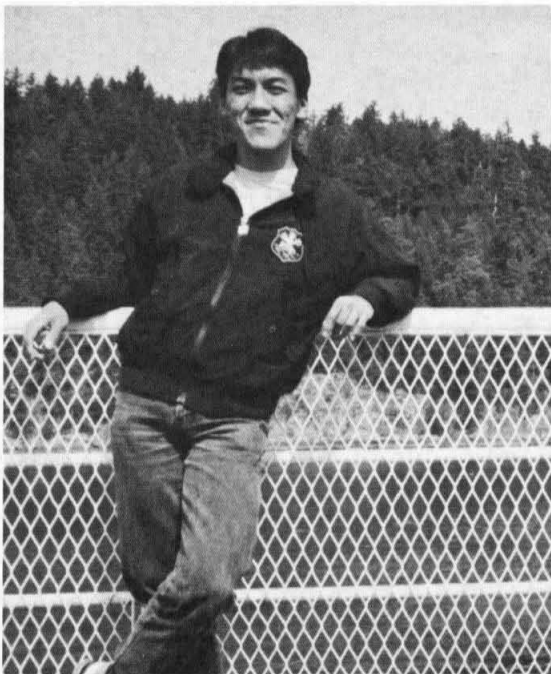
Jeff Hagen  
Shell Beach, CA  
Aeronautics



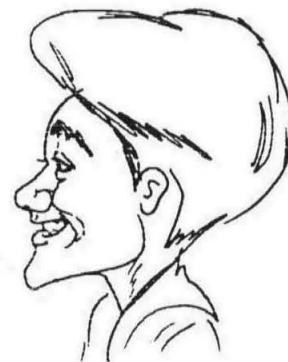




Scott "Jazzbo!" Harris  
Costa Mesa, CA  
Aeronautics



I'm outta here!!!



Jimmy Ng  
Fountain Valley, CA  
Aeronautics



Daniel Pang  
San Jose, CA  
Engineering & Applied Science



Vail '91

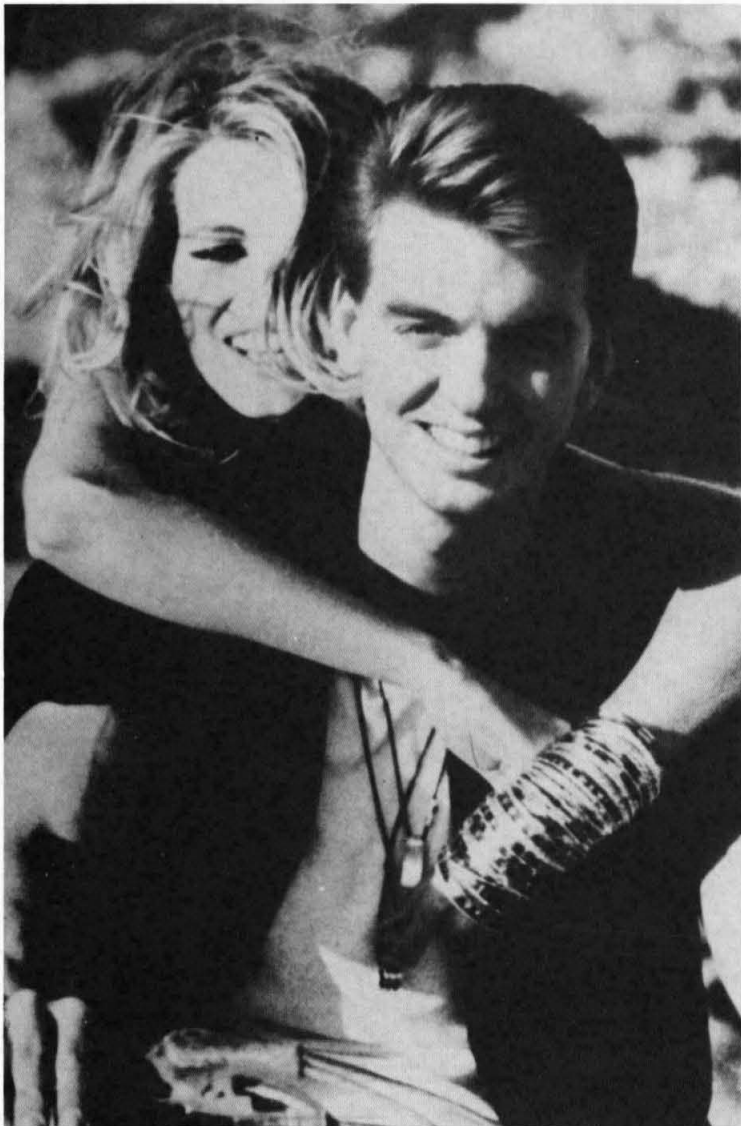
Walter Crim III  
Los Angeles, CA  
Mechanical Engineering







Adam King  
Santa Barbara, CA  
Mechanical Engineering

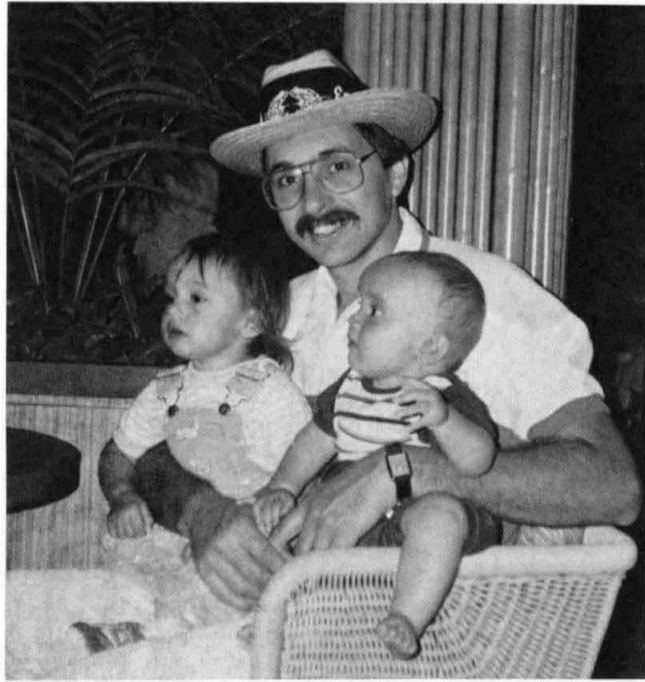


"On to bigger and better things"

Sandor Z. Nagy  
Concord, CA  
Mechanical Engineering



Joseph Bach  
Pasadena, CA  
Engineering & Applied Science



"To the primal wonders...you shall find them yourself in laughter, work, sunshine, and quiet."

"The most important thing in the world is life. All around us things grow, mature, and die, and yet we often lose sight of this truth. I planted a garden to remind myself that like the flowers I must grow, bloom, and eventually die."

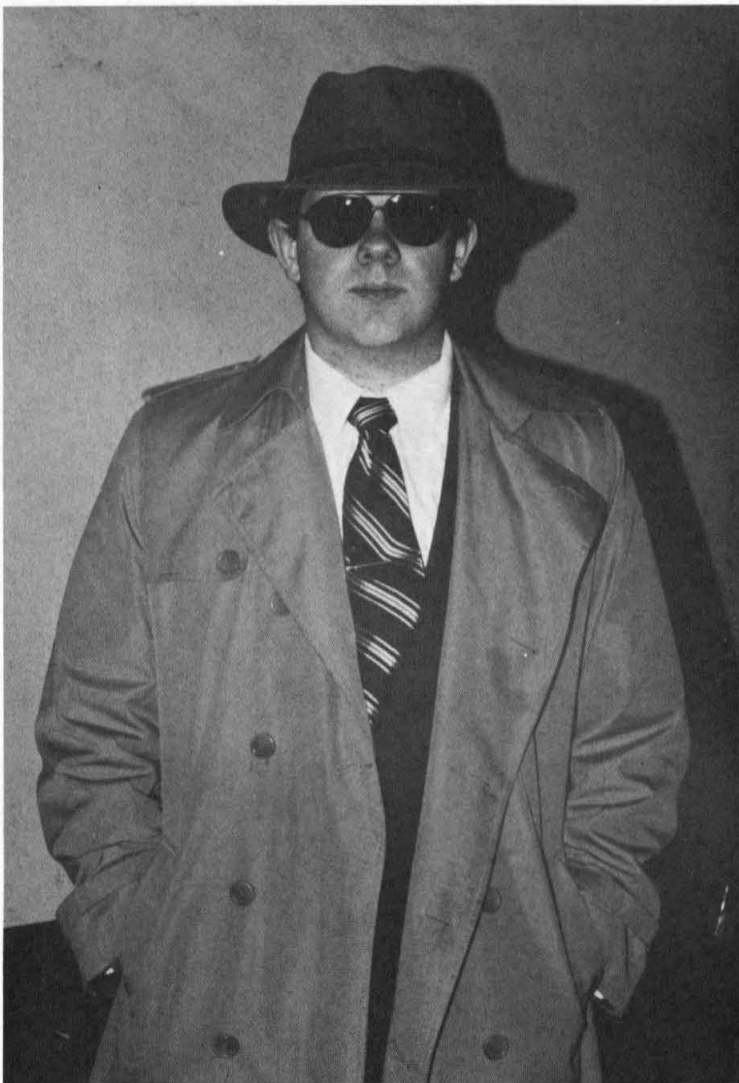
Celina Jadwiga Mikolajczak  
Coronado, CA  
Mechanical Engineering





"Hey man! I'm an engineer. What the hell are you?"

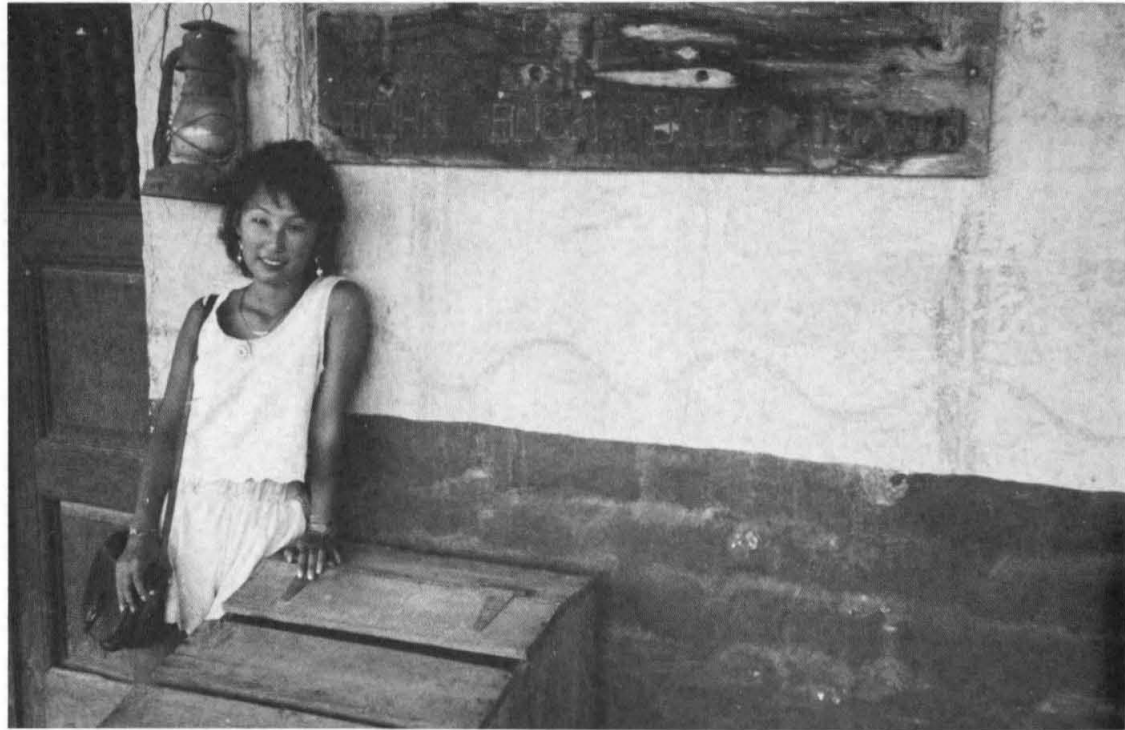
Allan Wong  
Los Angeles, CA  
Mechanical Engineering



Brian Biswell  
Olympia, WA  
Mechanical Engineering



Keana C.K. Scott  
Flushing, NY  
Engineering & Applied Science



Melinda Ann Knox  
Littleton, MA  
Engineering & Applied Science/  
Biology

Susan Schima

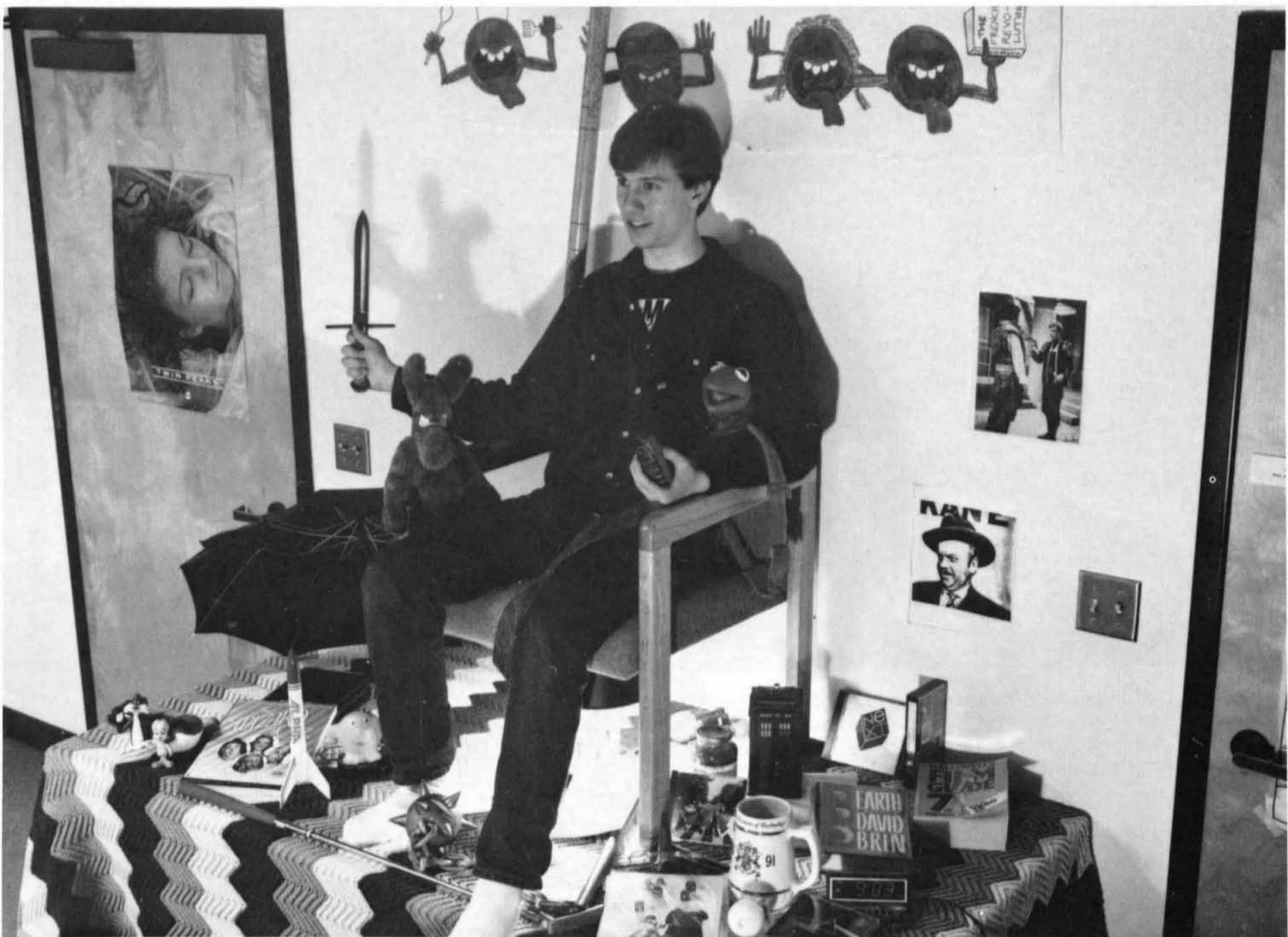




Emily Lo  
Metairie, LA  
Mechanical Engineering

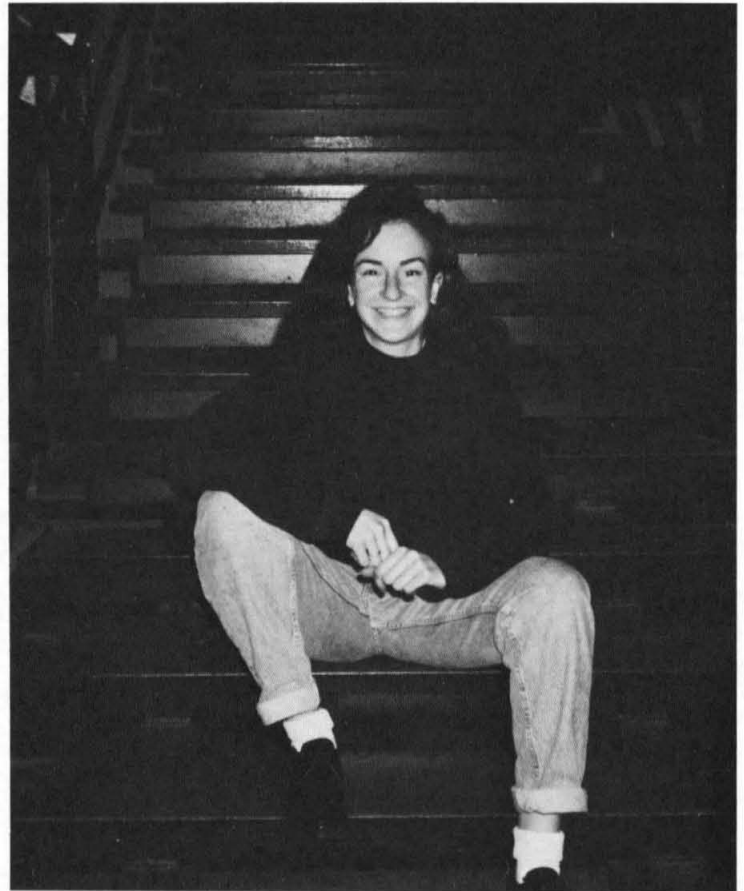
Eric C. Johnson  
The Second Most Dangerous Man  
in the Universe  
Palos Heights, IL  
Aeronautics

"Eric doesn't love you...  
He just wants your money."





Annetta Papadopoulos  
Albuquerque, NM  
Engineering & Applied Science

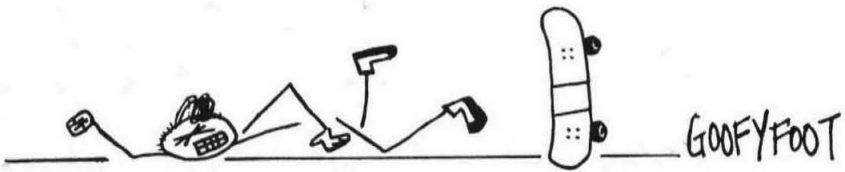


Charles Cook  
Carsonville, MI  
Engineering & Applied Science

"Sure, Tech is easy; if..."







"A Freshman don't know that he don't know.  
A Sophomore knows that he don't know.  
A Junior don't know that he knows.  
A Senior knows."

- Derek Holland '89

"Ya know, ya know, ya know."

- Jon Liljeblad '92

Larry Cheng  
Cerritos, CA  
Mechanical Engineering

Steven L. Palm  
Escondido, CA  
Engineering & Applied Science



"How many more years I shall be able to work on the problem, I do not know; I hope as long as I live. There can be no thought of finishing, for 'aiming at the stars' both literally and figuratively, is a problem to occupy generations, so that no matter how much progress one makes, there is always the thrill of just beginning."

- Robert H. Goddard



"All men who have turned out worth anything have had the chief hand in their own education."

-Sir Walter Scott

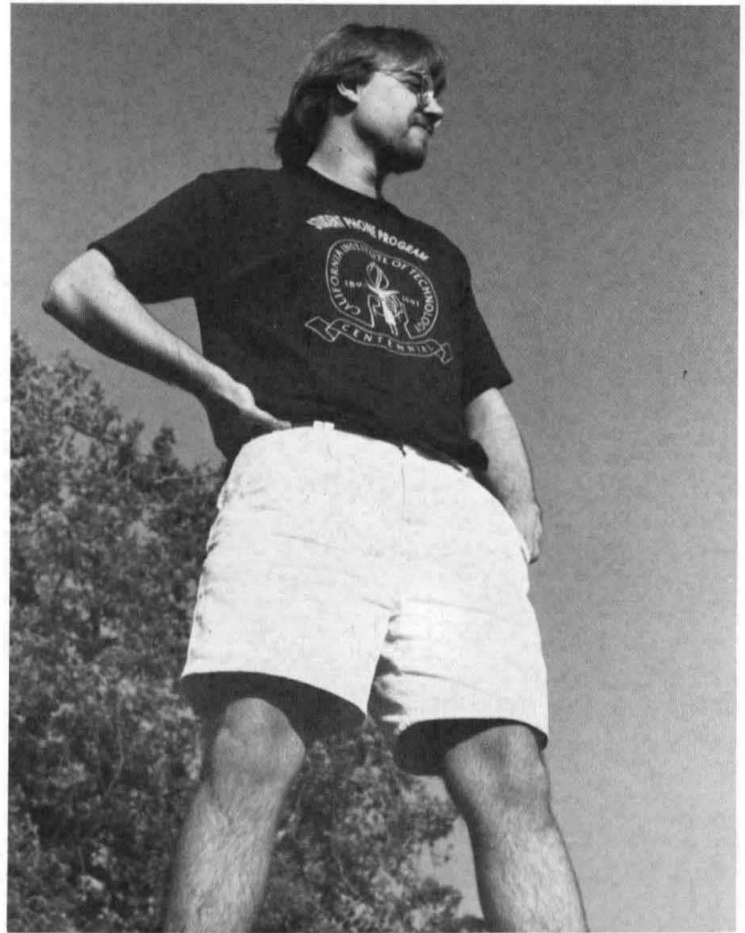
Mark Humphreys  
Glasgow, Scotland  
Mechanical Engineering

Mike Mossey  
Cincinnati, OH  
Engineering & Applied Science

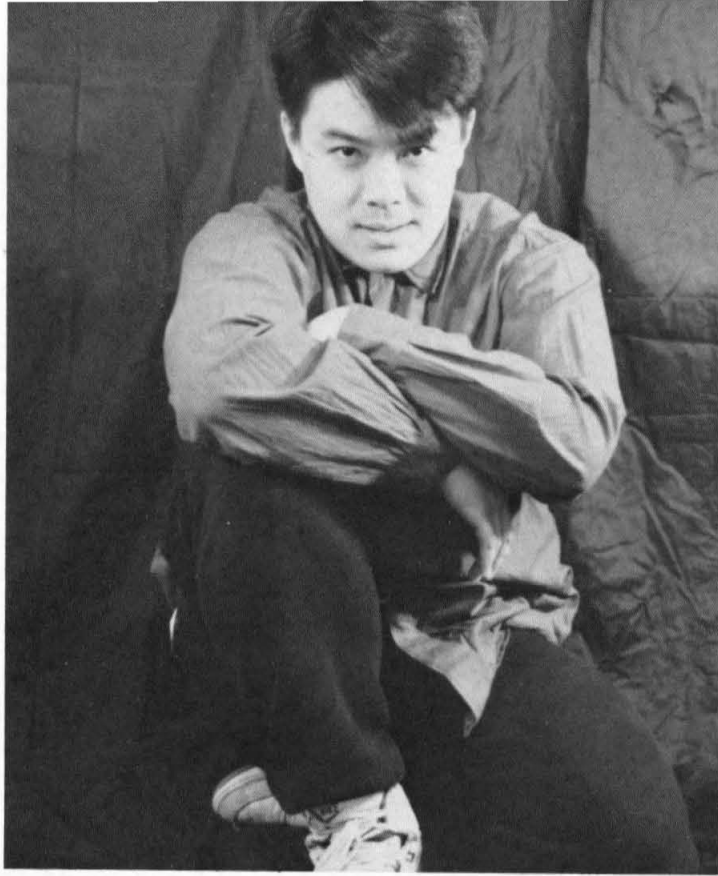
"Fay ce que voudras"

-Francois Rabelais

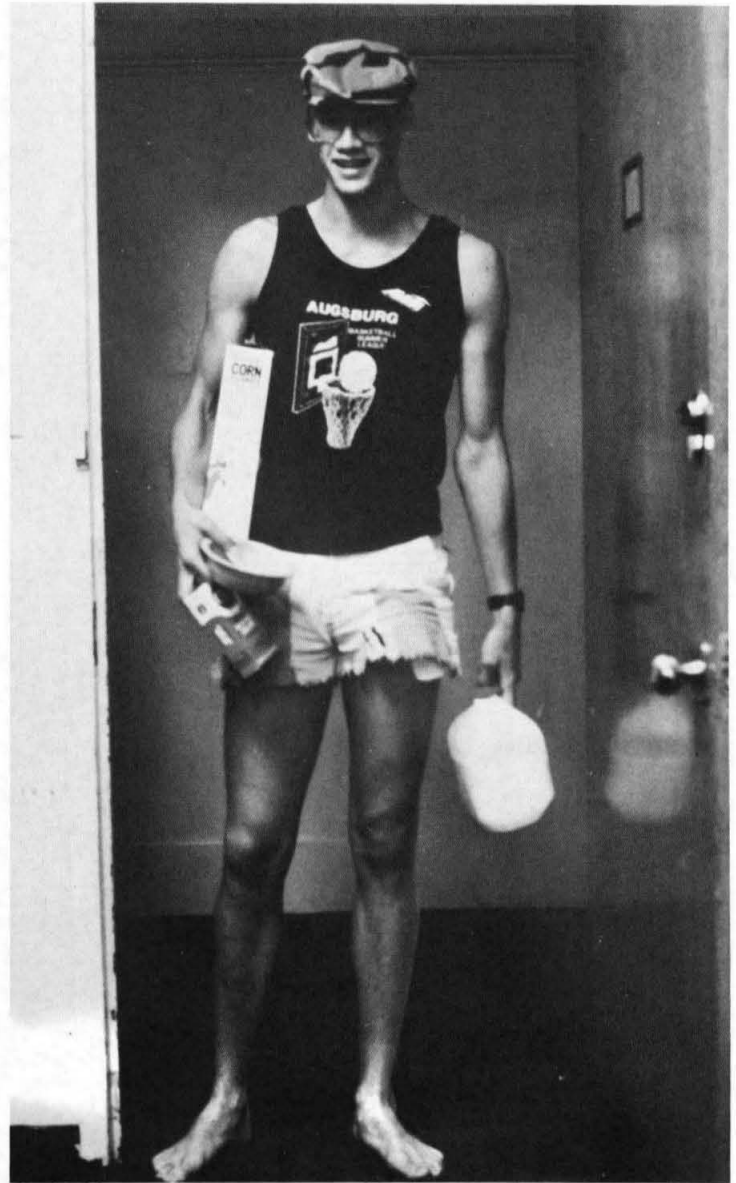
Ben Masek  
Los Angeles, CA  
Mechanical Engineering







Yun-Fong Loh  
 El Monte, CA  
 Engineering & Applied Science

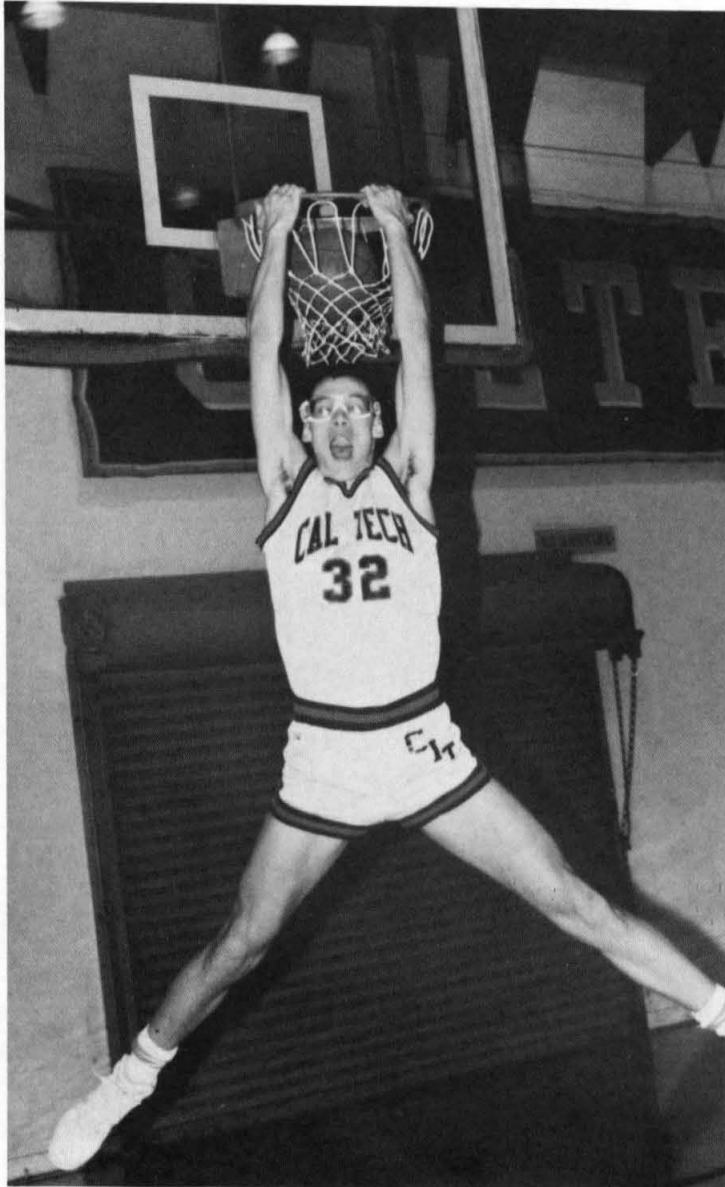


"O God, I could be bounded in a nutshell and count myself a king of infinite space, were it not that I have bad dreams."  
 - Hamlet

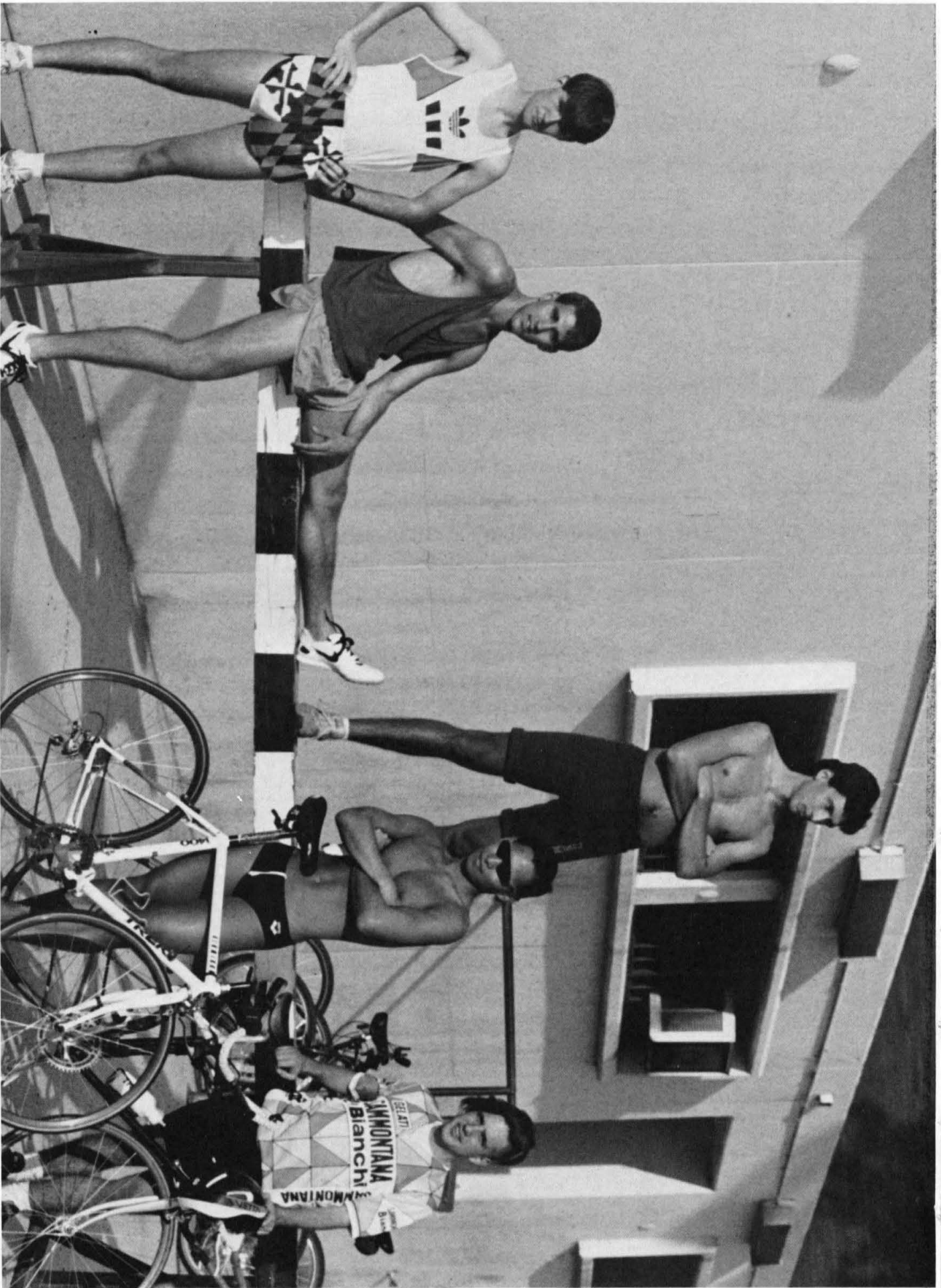
"Ariel, you're under a lot of pressure down here."  
 -Sebastian *The Little Mermaid*

"Your Mom's real pretty, Bill."  
 "Shut up, Ted!"  
 - Bill & Ted's Excellent Adventure

Bill Swanson  
 Hastings, MN  
 Engineering & Applied Science







*Chris Campo*  
5000 Meters

*Scott Kister*  
Steeplechase

*Aaron Matzer*  
1500 Meters

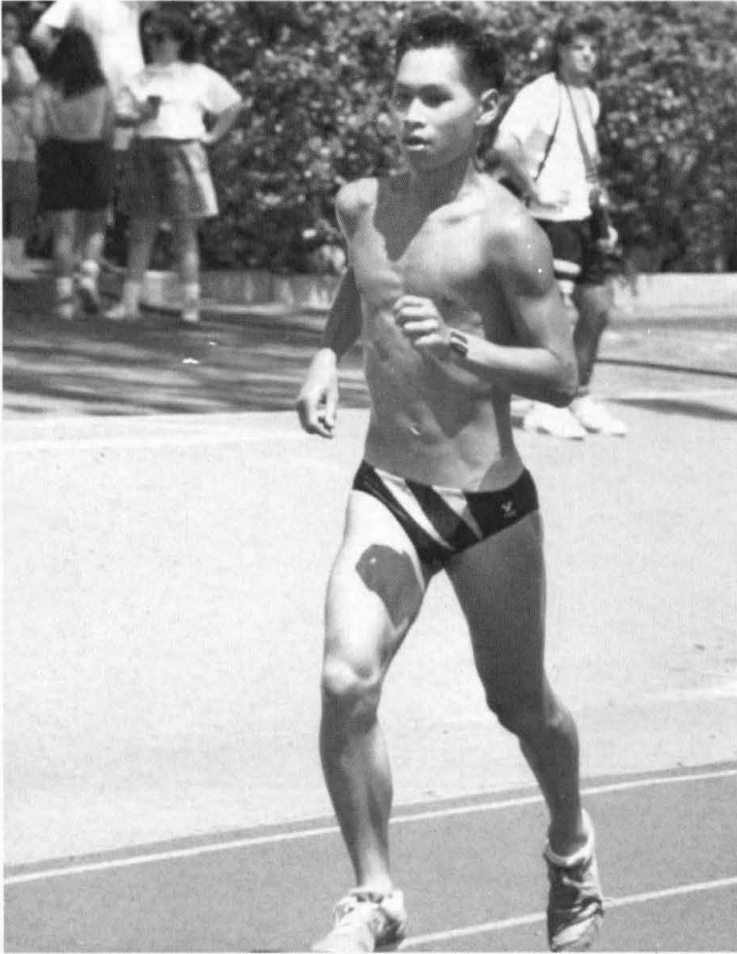
*John Pham*  
Triathlon

*Mark Lyttle*  
100k TTT

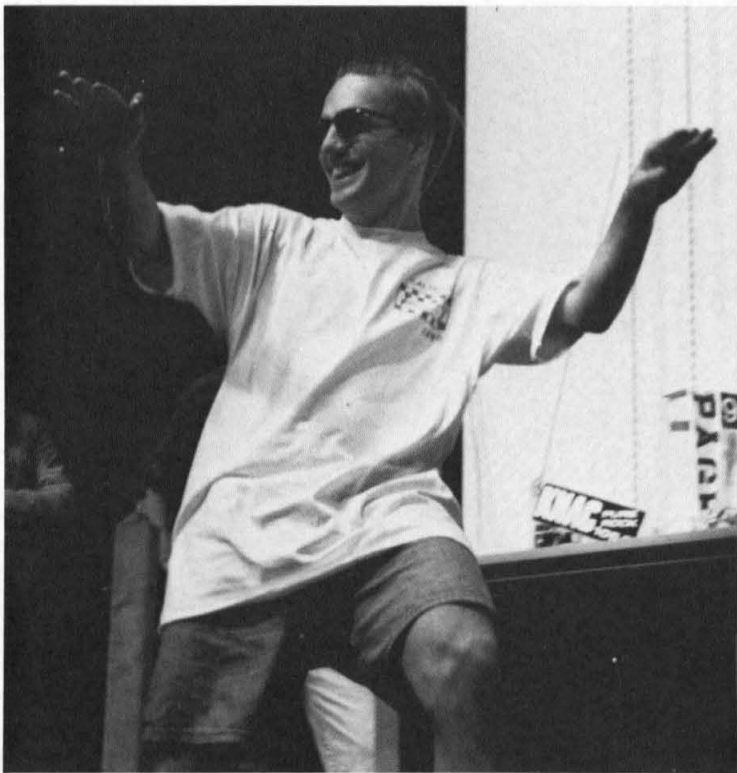
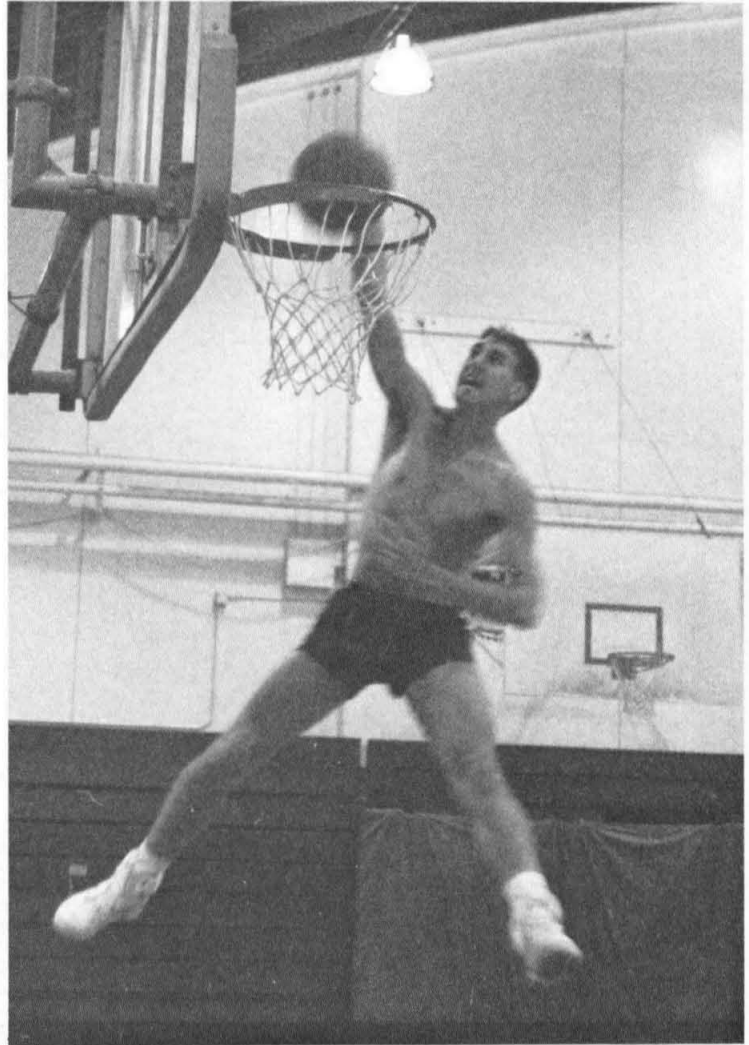
# JUST DO IT... ATLANTA '96



John Pham  
Fairbanks, AK  
Engineering & Applied Science "Let's get it on!"

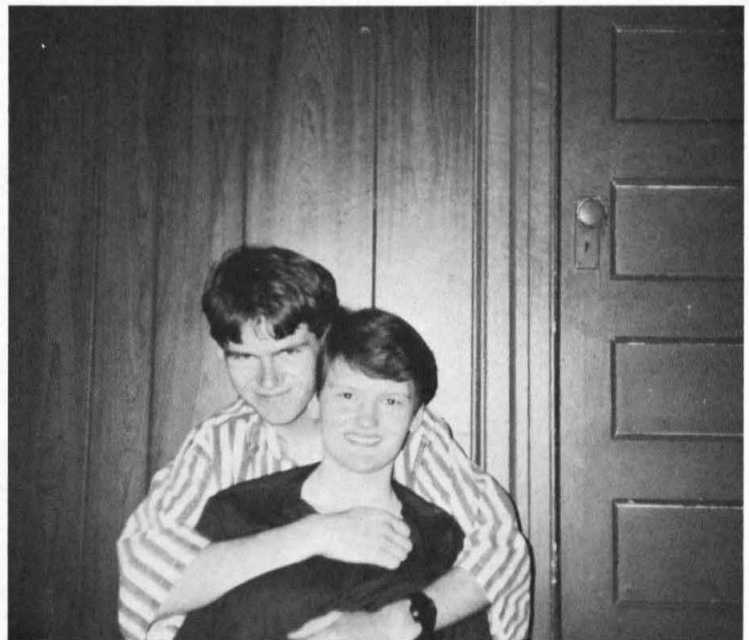


Scott Kister  
Columbus, OH  
Engineering & Applied Science



Mark Lyttle  
Atlanta, GA  
Material Science

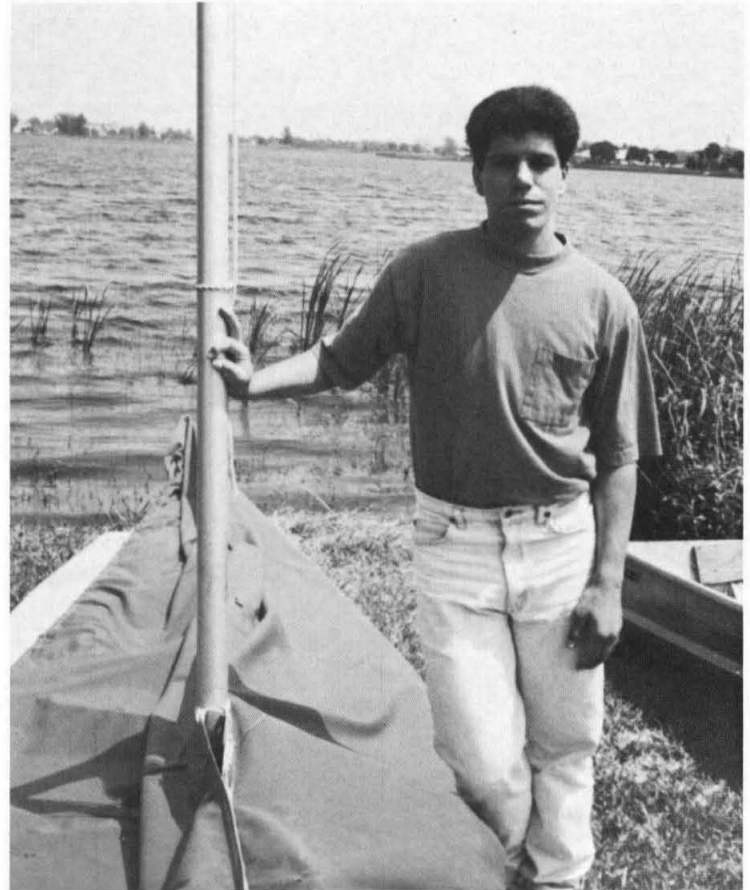
"The saddest thought in life is about what might have been."



Chris Campo  
San Jose, CA  
Planetary Science



Gilad Elbaz  
West Palm Beach, FL  
Engineering & Applied Science/  
Economics



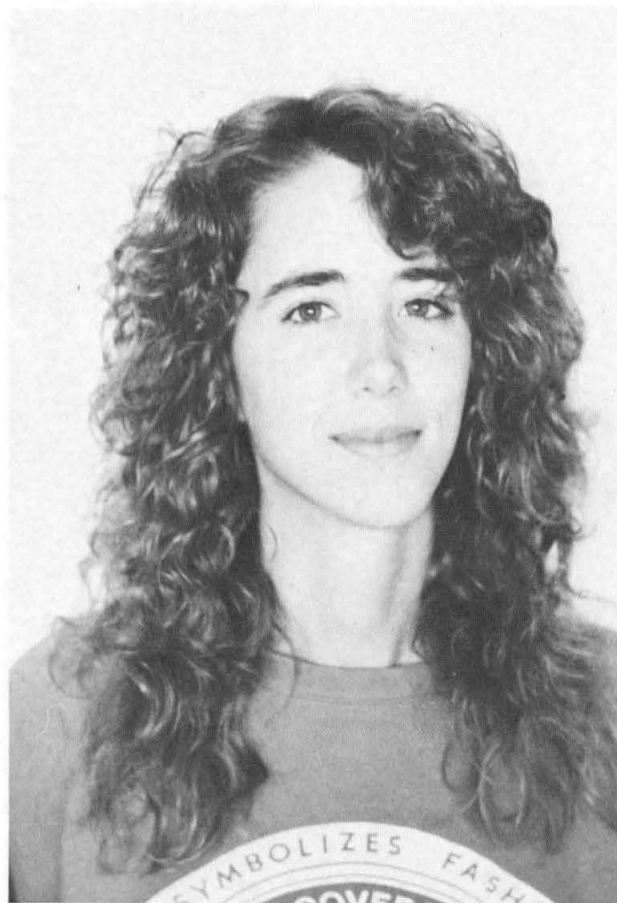
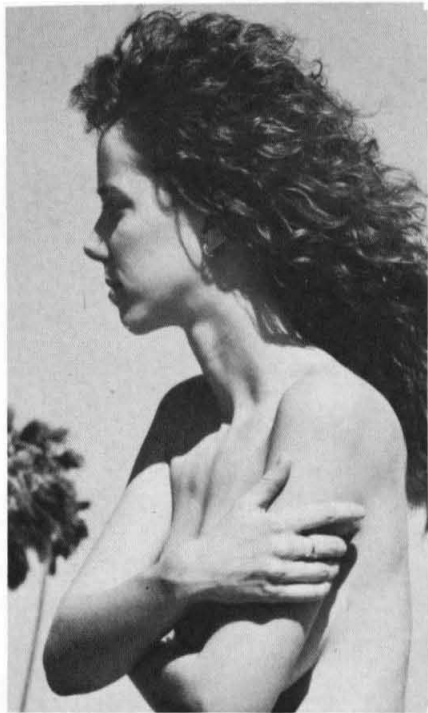
Kim D. Flowers  
Portland, OR  
Engineering & Applied Science

"Sometimes I wish I had a Multiple Personality Disorder. That way, I would always have someone I could talk to when I felt lonely."

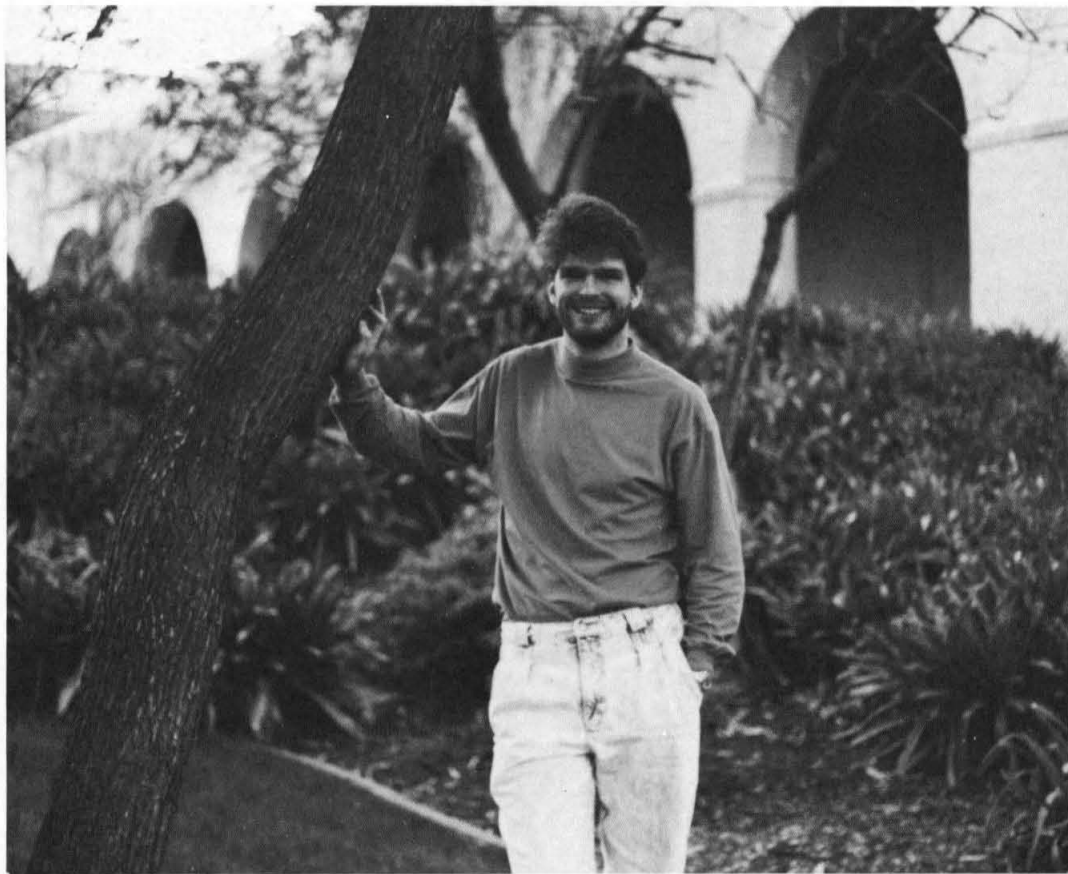




M. Kitt Hodsden  
Mesa, AZ  
Engineering & Applied Science

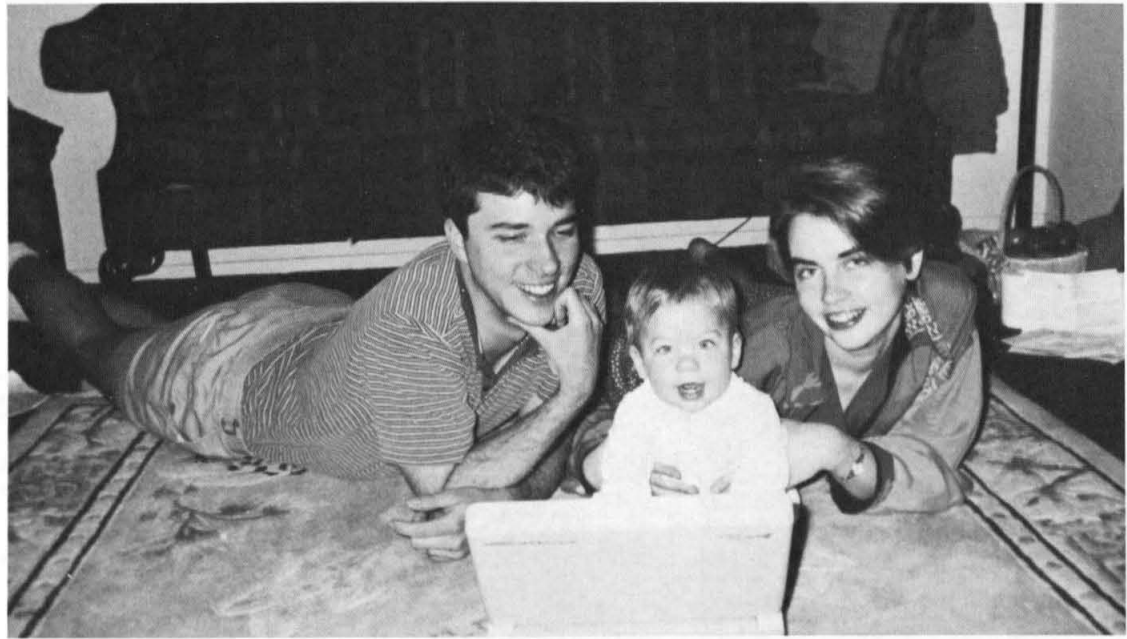


"Stop that."



Robin Luckey  
Billings, MT  
Engineering & Applied Science





Marc W. Abel  
Columbus, OH  
Engineering & Applied Science



"All the world's a stage..." - William Shakespear

"Some boast in chariots, and some in horses; but we will boast in the name of the Lord, our God."  
- Psalm 20:7

Allen Corcoran  
Santa Ana, CA  
Engineering & Applied Science





Su-Lin Wu  
Los Angeles, CA  
Engineering & Applied Science



Zhaohong Li  
Shanghai, China  
Engineering & Applied Science



Peyjen Wu  
Taipei, Taiwan  
Electrical Engineering

Amar Gandhi  
Rajkot, India  
Engineering & Applied Science



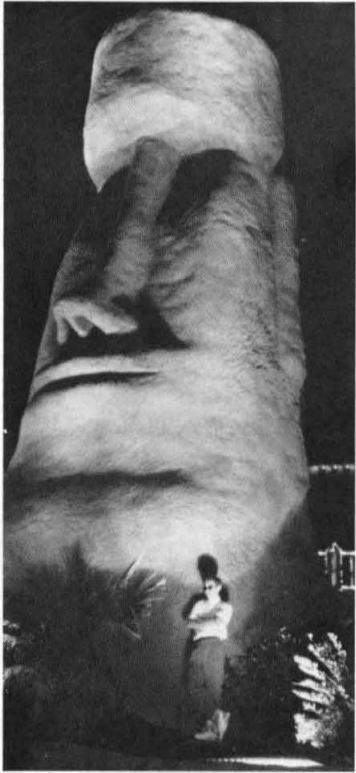
"Things will go your way  
If you hold on  
For one more day."

-Wilson Phillips

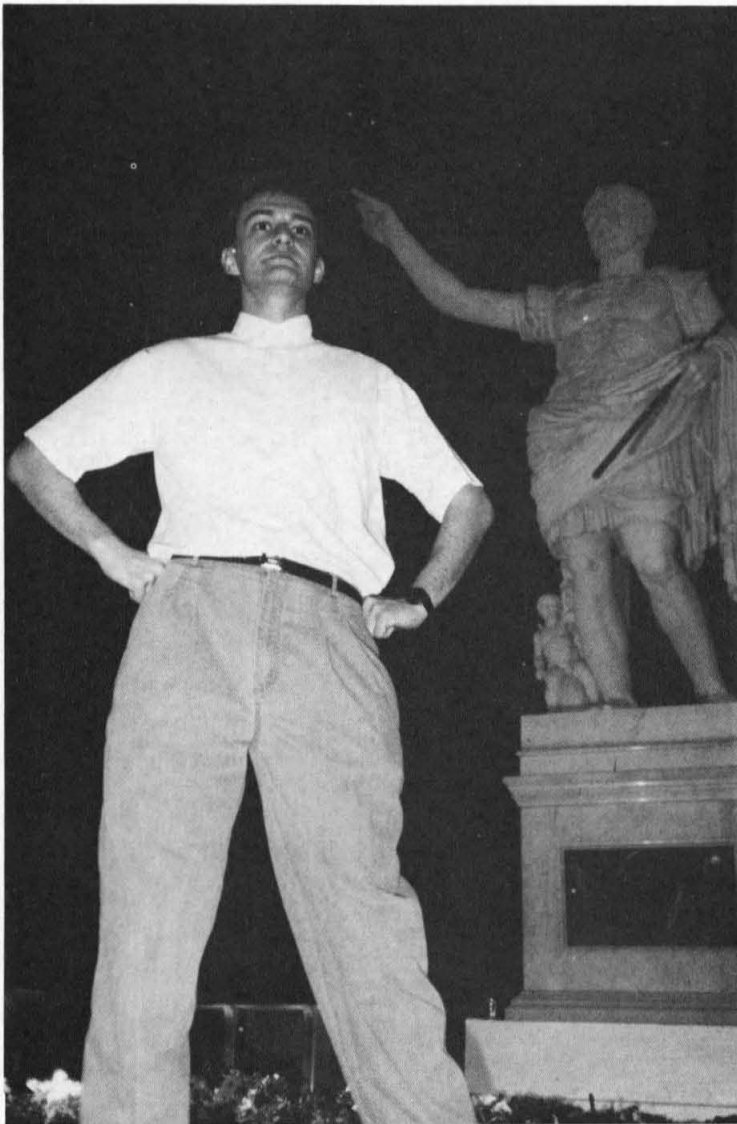
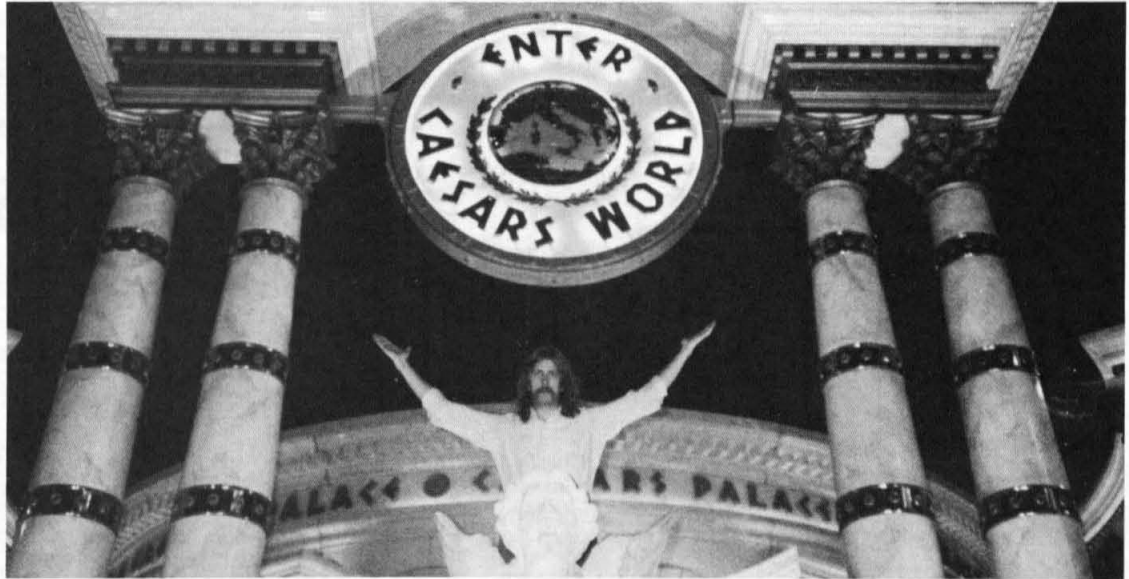
Anna M. Yeakley  
El Paso, TX  
Engineering & Applied Science







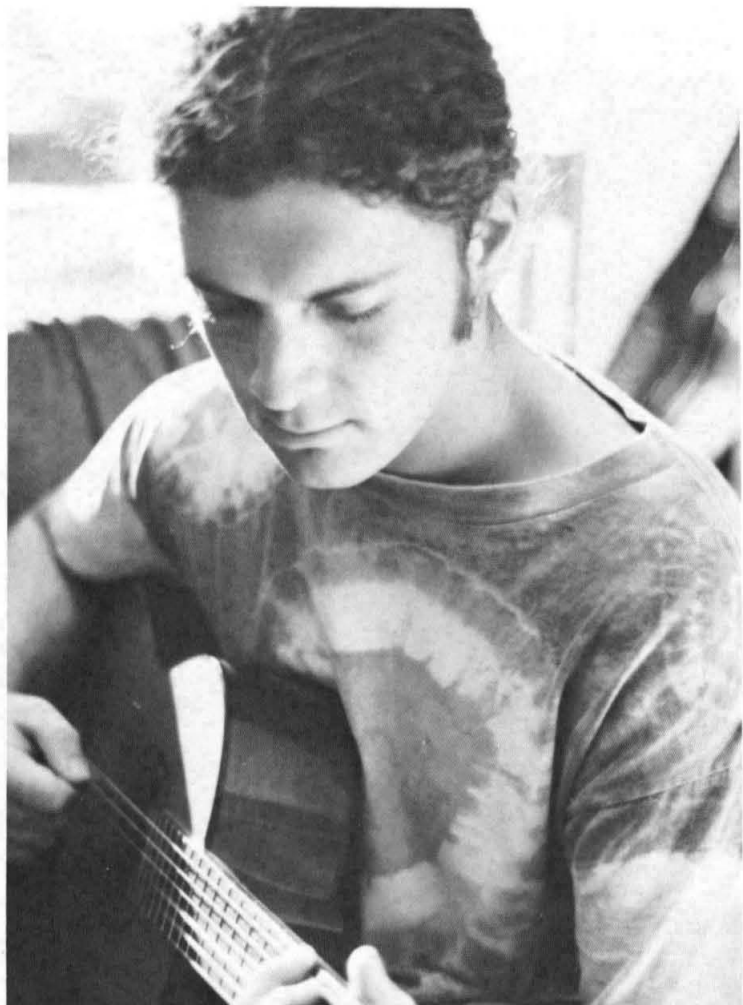
Ben Holland  
Nashua, NH  
Physics



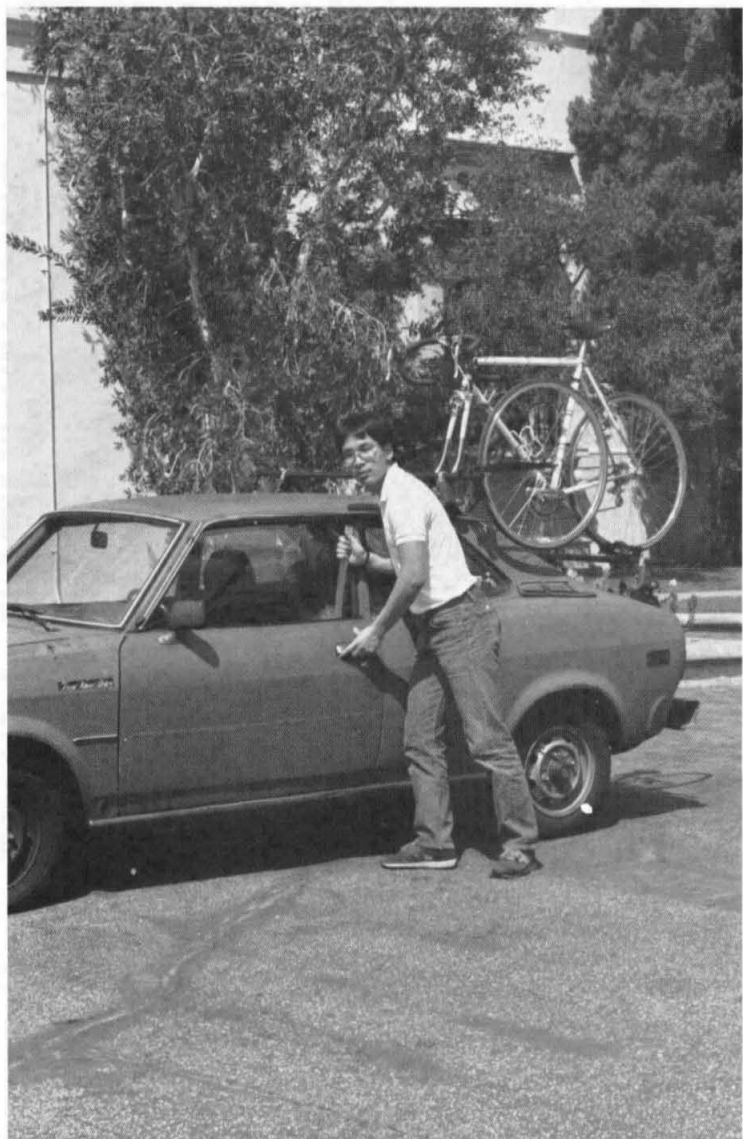
Pete Dussin  
Portland, OR  
Environmental Engineering



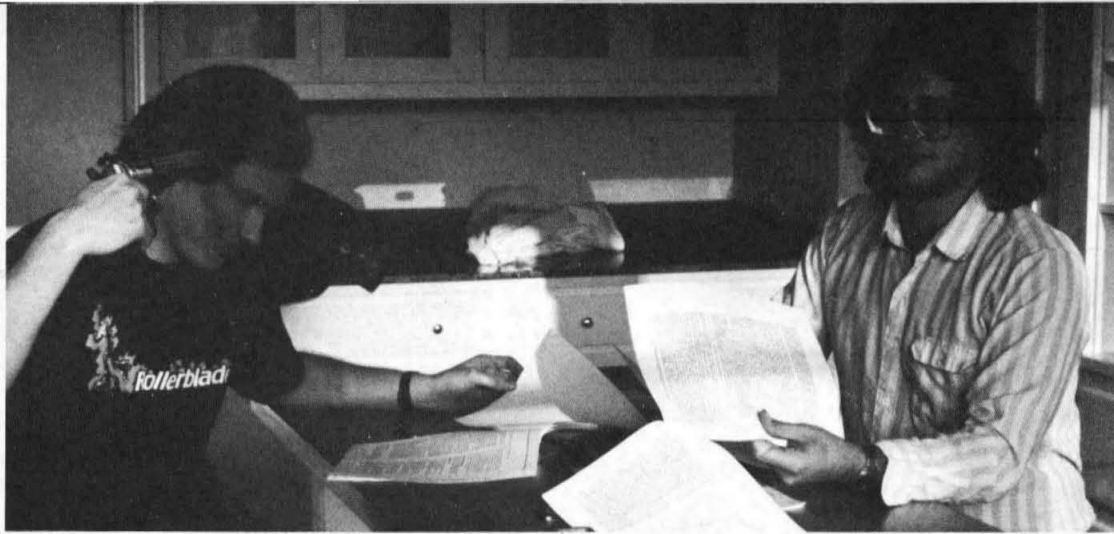
Mark Markarian  
Manteca, CA  
Engineering & Applied Science



Mark Huie  
San Francisco, CA  
Engineering & Applied Science



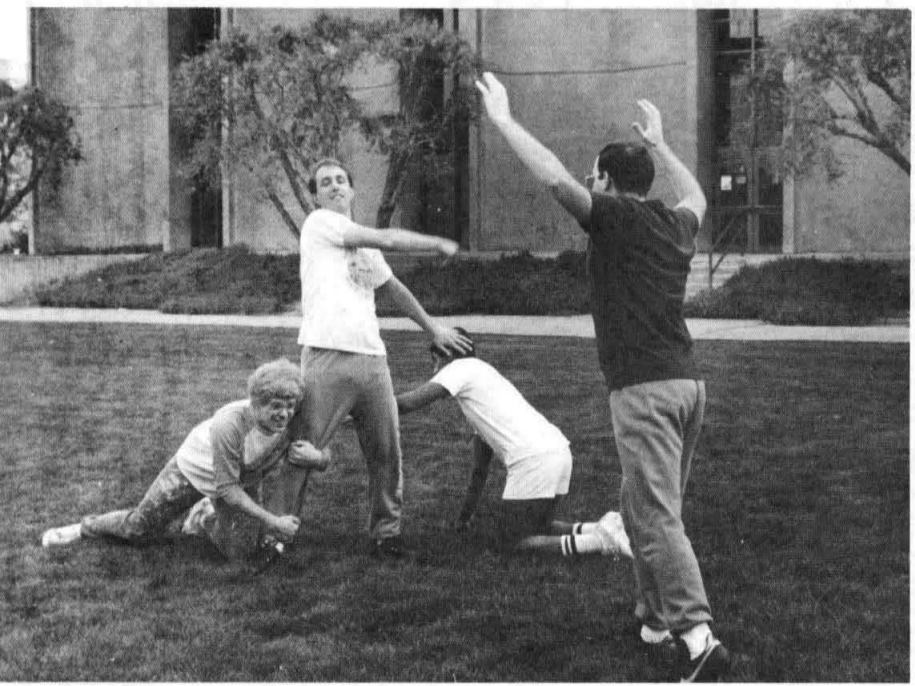
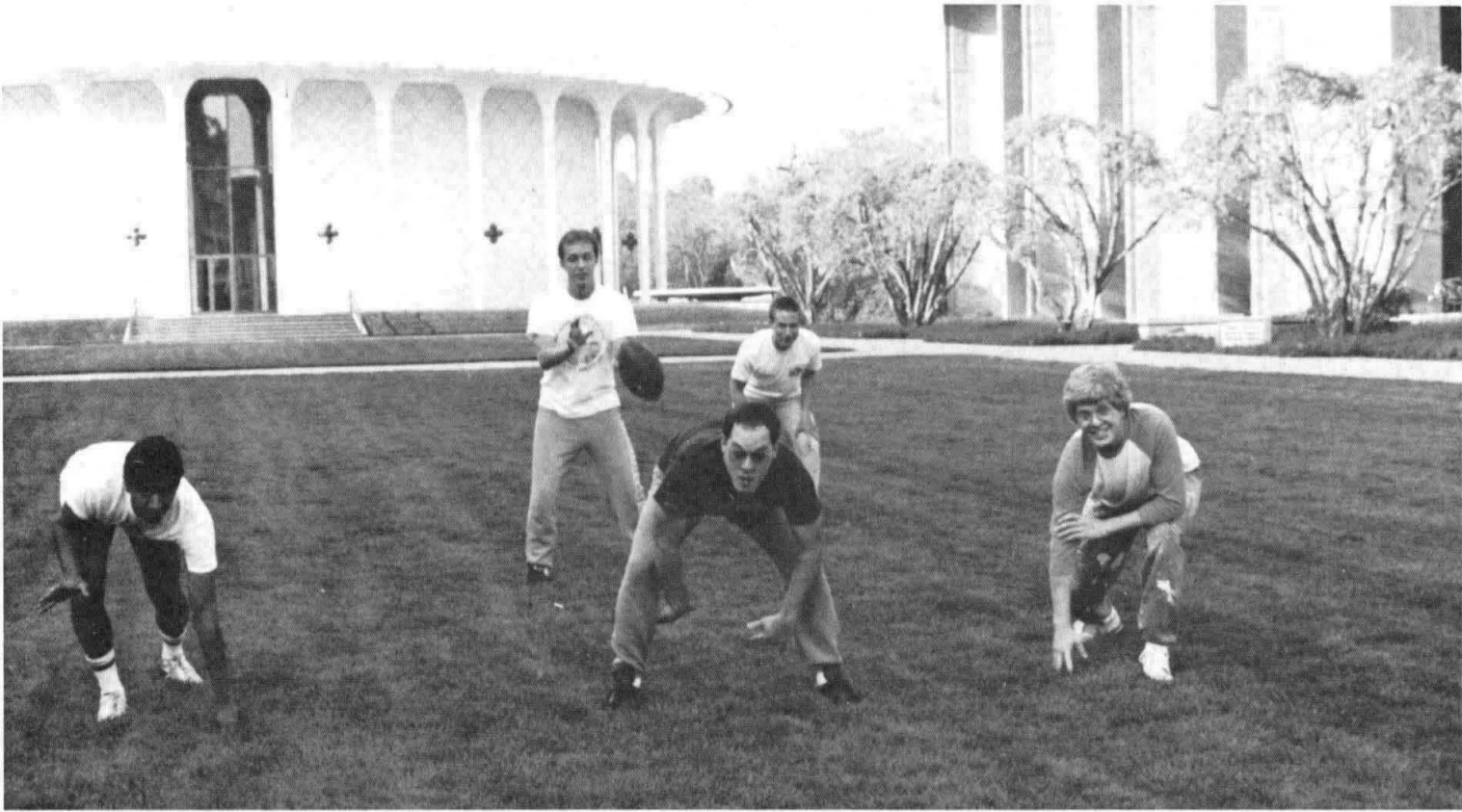




Robert Welstand  
Pinole, CA  
Electrical Engineering

Matt Himmelstein  
North Hollywood, CA  
Engineering & Applied Science

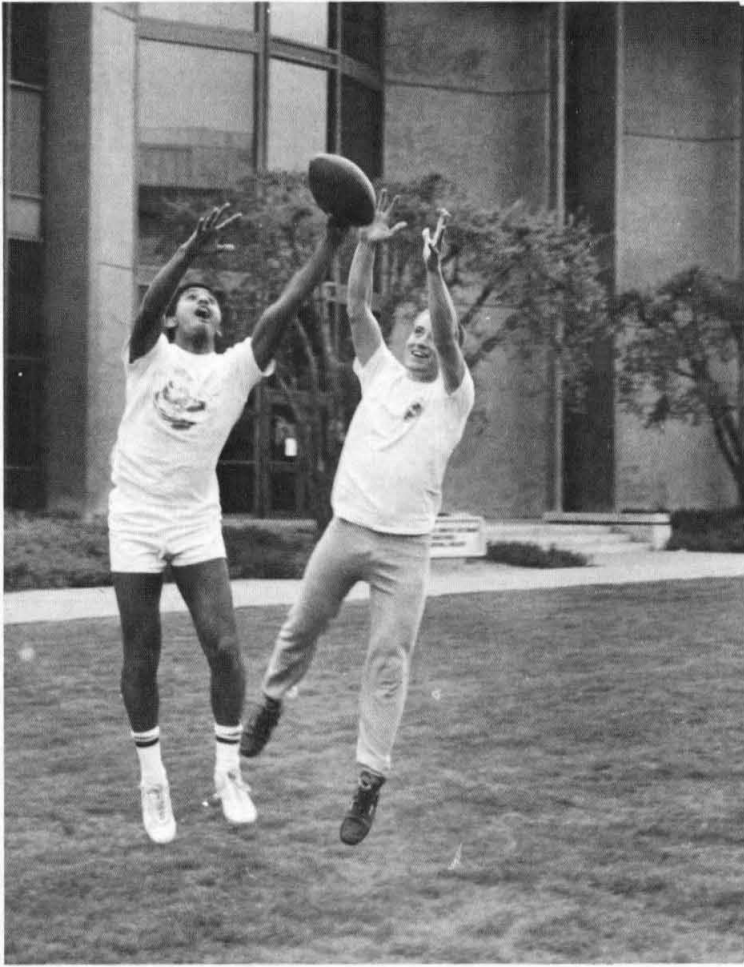




Doug Peterson  
 Billings, MT  
 Engineering & Applied Science

John Gass  
 New Llano, LA  
 Electrical Engineering

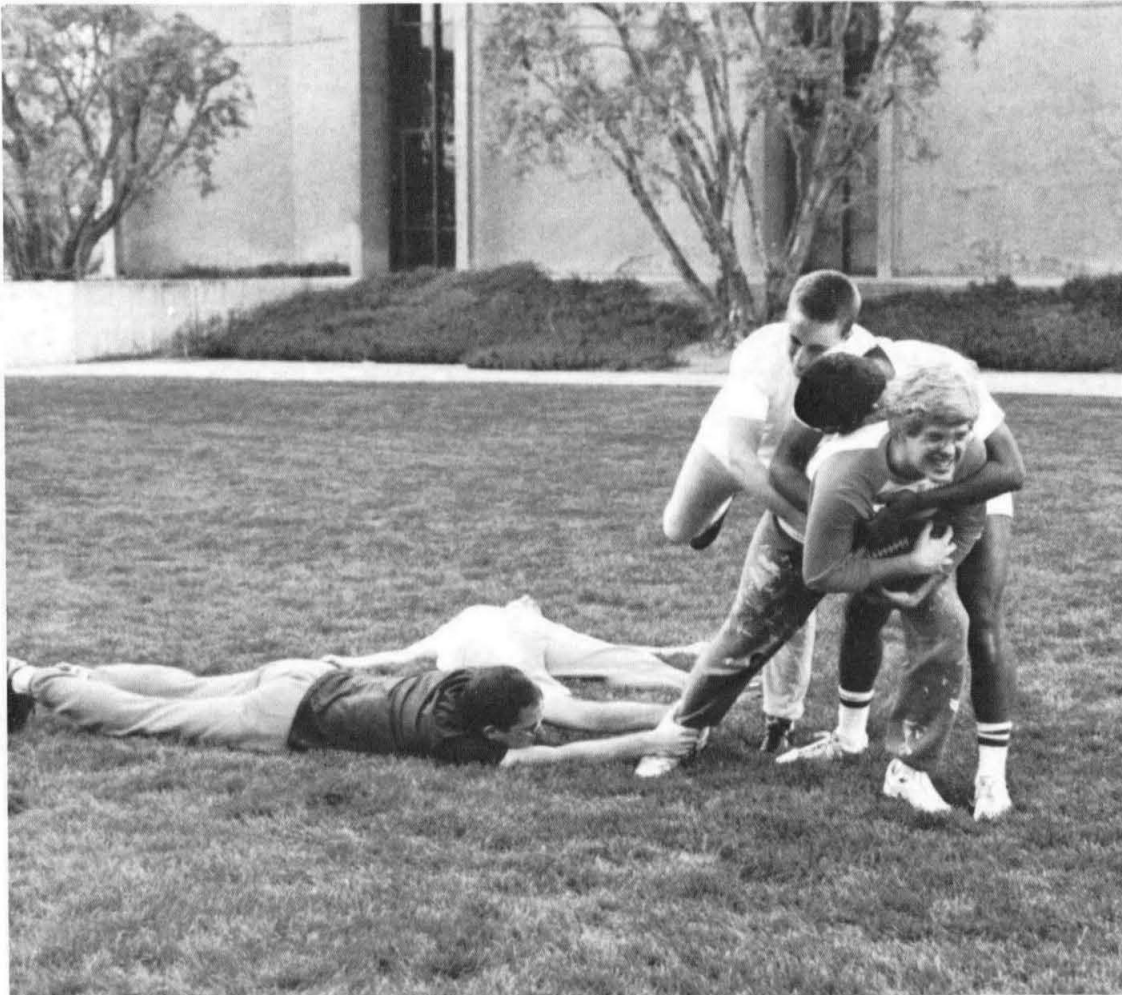




"There is no place for a weakling to hide on a football field. You just cannot side a weak-sister in your lineup...Boys who are reluctant to 'bang heads' in contact are better off not attempting to play football"

- Make the Team in Football  
Clary Anderson

Raif Majeed  
Frederick, MD  
Physics



Kurt Storm  
Westmont, JH  
Geology

Nathaniel Hieter  
Clinton, NY  
Engineering & Applied Science



Julie Yee  
Sacramento, CA  
Mathematics

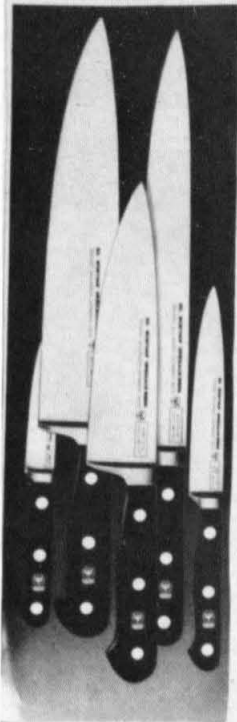


*What the caterpillar  
calls the end of the world,  
the master calls a  
butterfly.*



*The bond  
that links your true family  
is not one of blood, but  
of respect and joy in  
each other's life.*

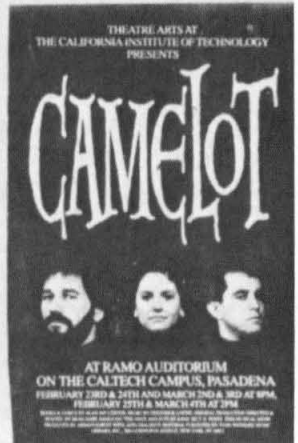
*Rarely do members  
of one family grow up  
under the same  
roof.*



19



91



"And what would you do," the Master said unto the multitude, "if God spoke directly to your face and said, 'I COMMAND THAT YOU BE HAPPY IN THE WORLD, AS LONG AS YOU LIVE.' What would you do then?"

Tien-Yee Chiu  
Columbia, MD  
Mathematics

- Richard Bach, Illusions



Allen Ivar Knutson  
New York, NY  
Mathematics

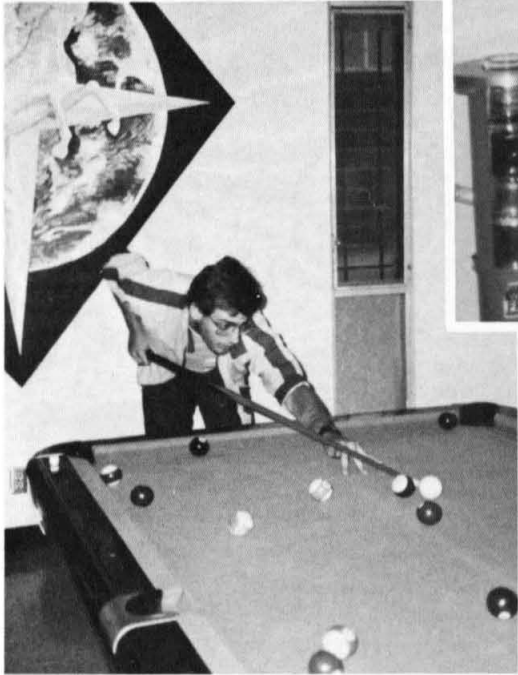


"Know that all opulent, beautiful, and glorious creations spring from  
but a spark of My splendor."

- Bhagavad-gita (The Song of God)  
Chapter 10, Verse 41

Ruchira Datta  
Pasadena, CA  
Mathematics

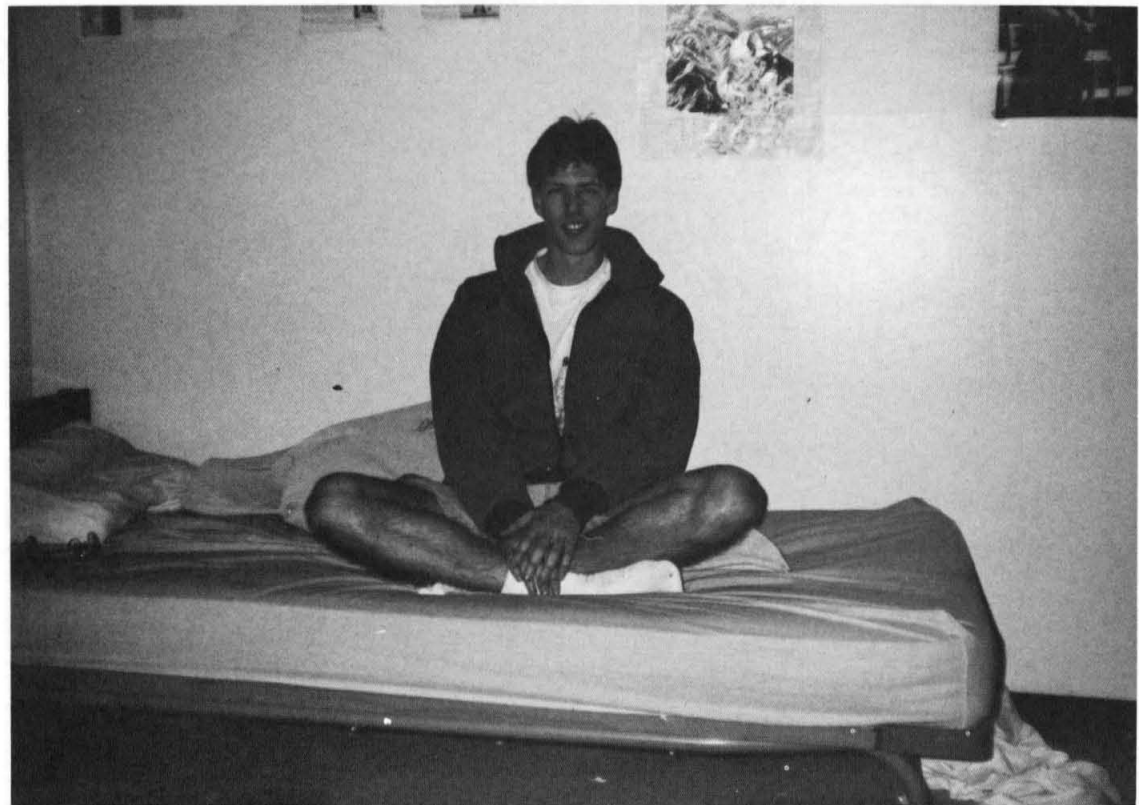




Thomas Kiefer  
Torrance, CA  
Physics



"Truth is, after all, a moving target"  
- Rush *Turn the Page*



Seth Bittker  
Scottsdale, AZ  
Mathematics

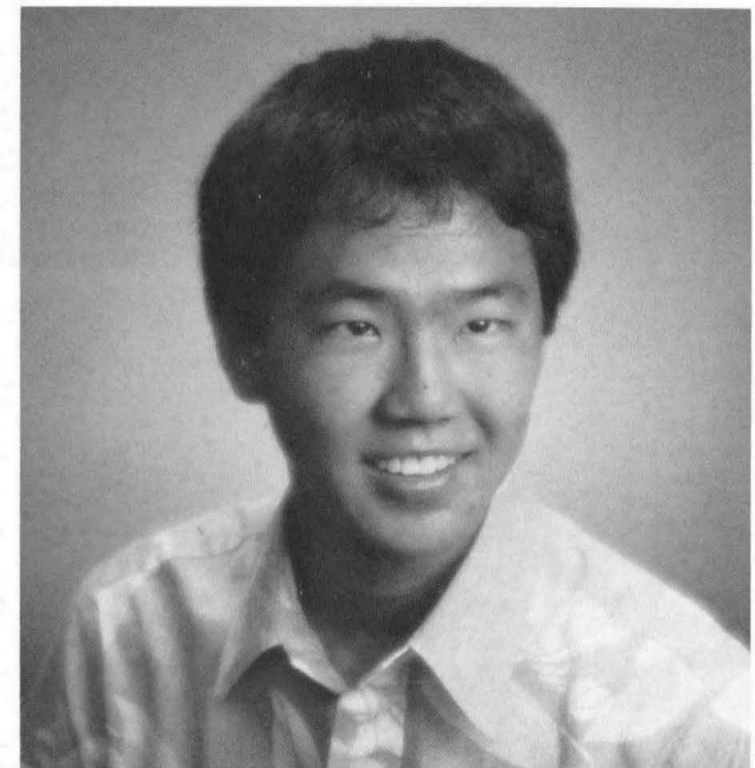
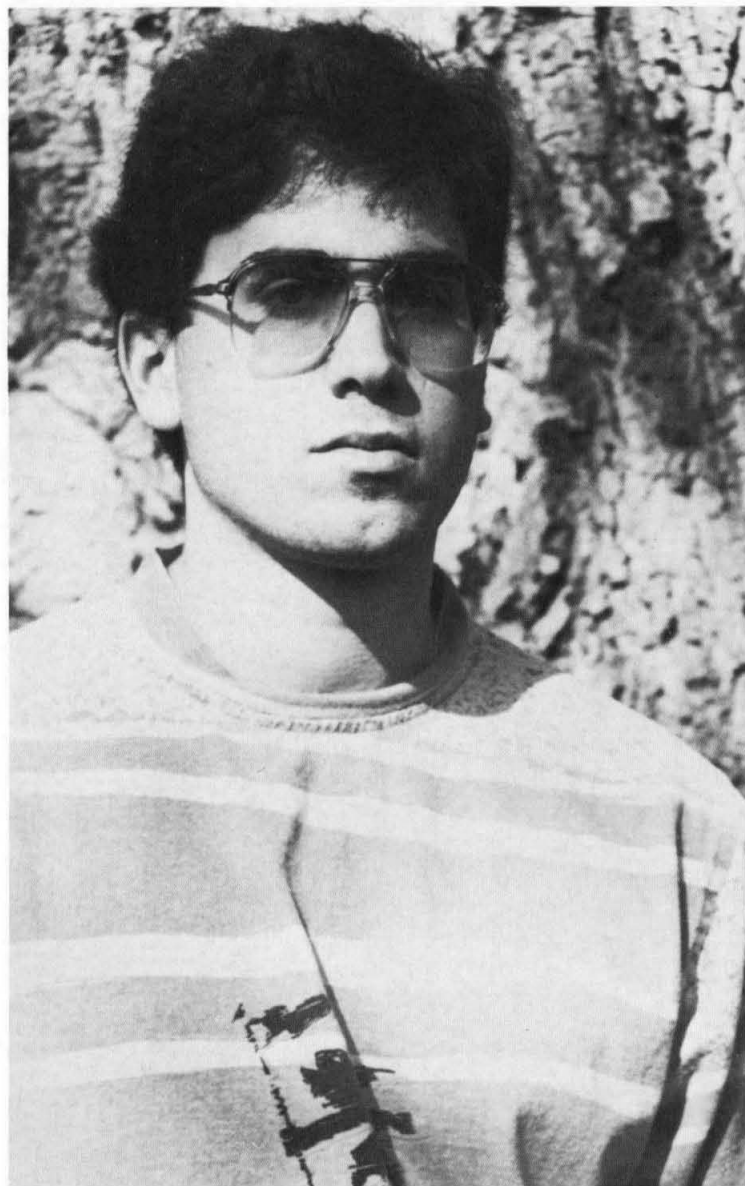




"Larry Ahle! You just graduated from Caltech! What are you going to do next?"

"I'm going to Disneyland."

Larry Ahle  
San Jose, CA  
Physics



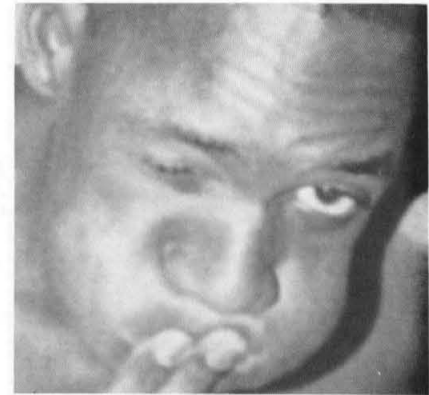
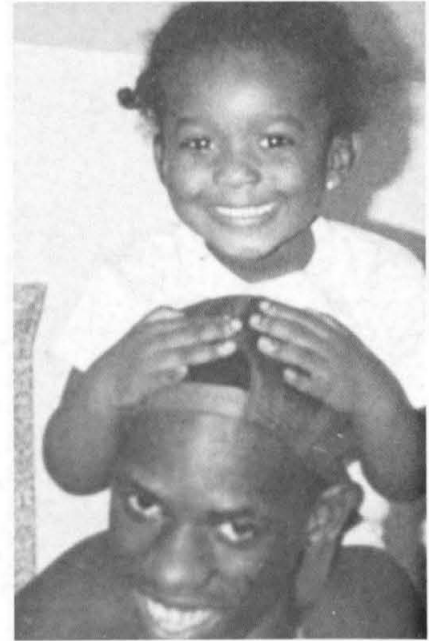
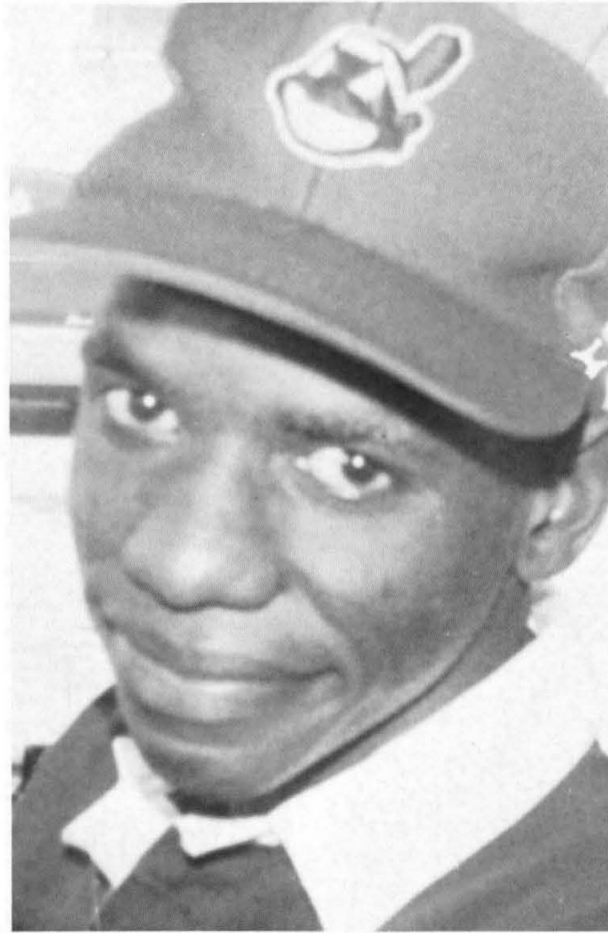
Dimitri J. Kirill  
Dearborn, MI  
Physics

Michael Ida  
Honolulu, HI  
Applied Mathematics/Physics



"Light is turning to ~shadow"

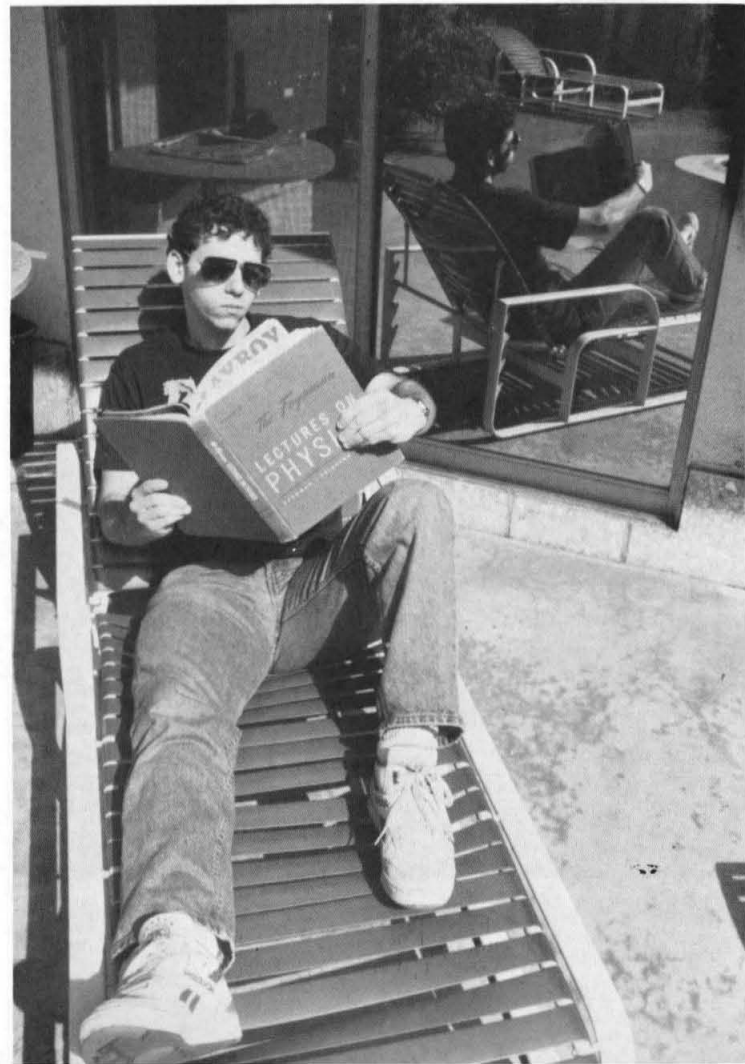
Jack L. Prater  
Houston, TX  
Physics



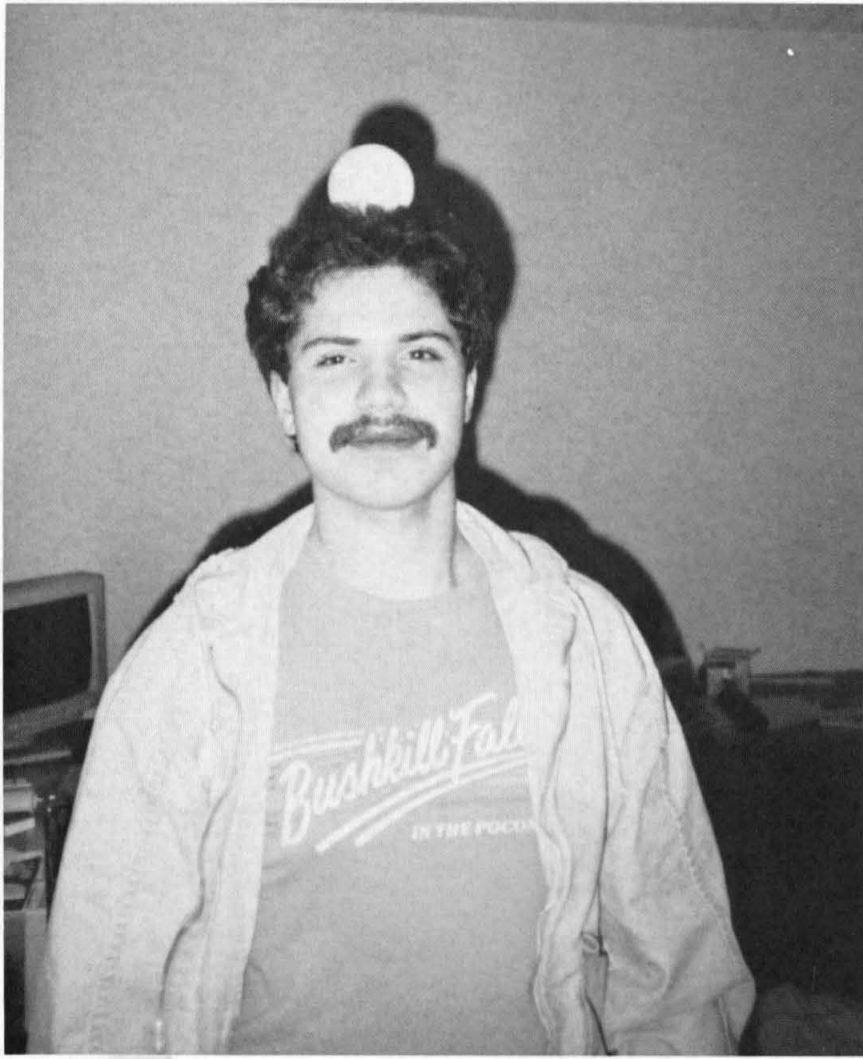
"I'm a peripheral visionary; I see into the future, just way off to the side."

- Steven Wright

Brett Bochner  
Brooklyn, NY  
Physics



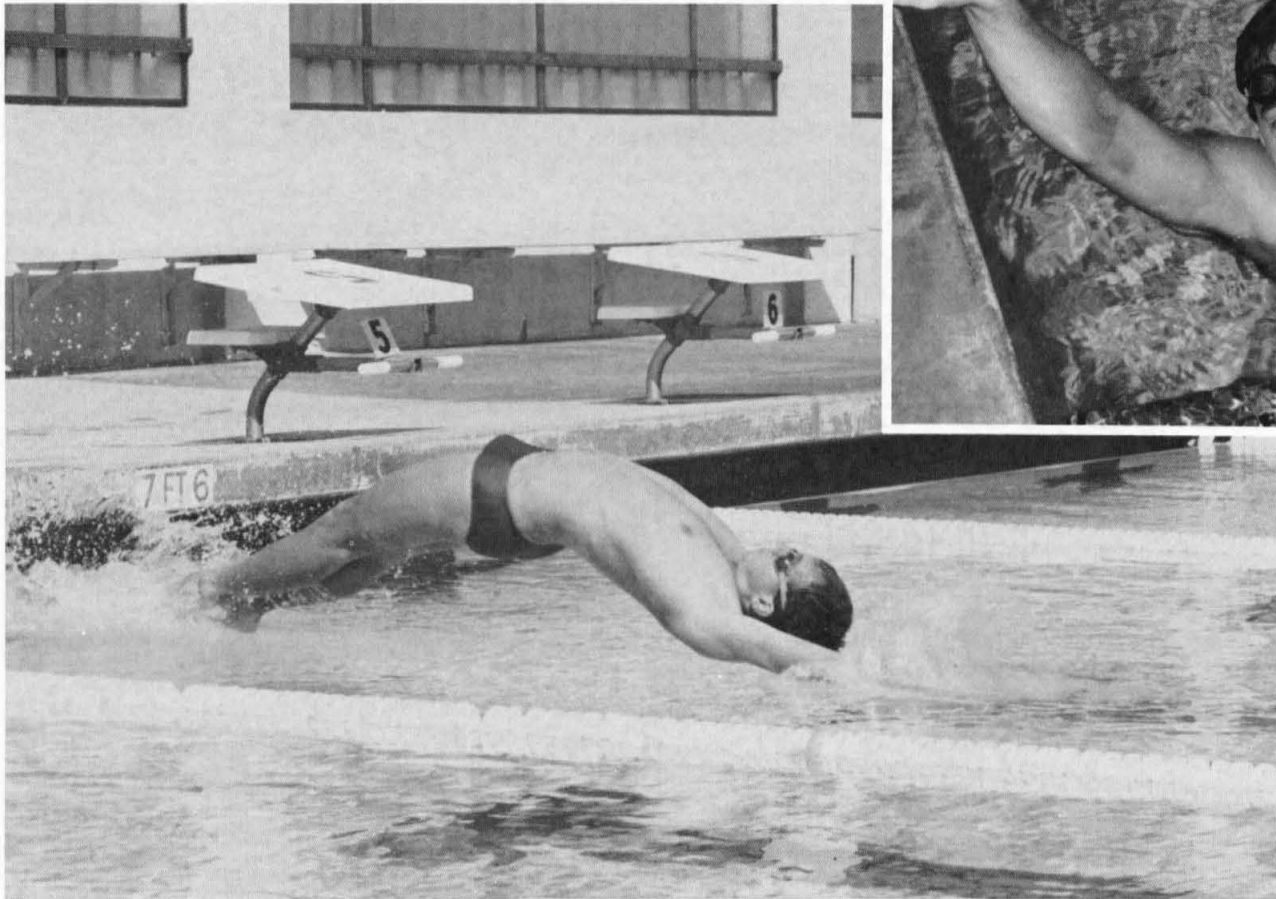




"I am not sure..."

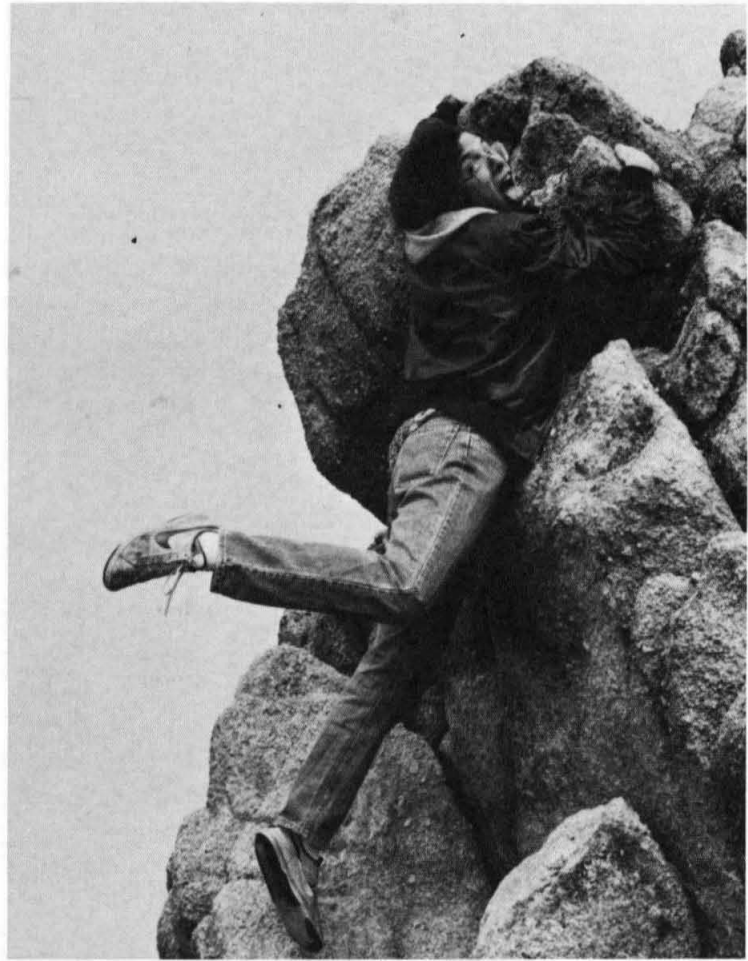
Michael (Misha) Samoilov  
Moscow, Soviet Union  
Mathematics/Physics

Barry Stipe  
Bellingham, WA  
Physics





Tom Fiola  
Venice, FL  
Physics



Golda Bernstein  
Tucson, AZ  
Applied Mathematics







Tanya Kurosky  
Galveston, TX  
Physics

Mark Dinan  
Alexandria, VA  
Physics



"Tiger! Tiger! burning bright  
In the forests of the night,  
What immortal hand or eye  
Dare frame thy fearful symmetry?"

-William Blake

Trivia: I have consumed enough  
food to eject myself from the solar  
system!

Jinha Kim  
Los Angeles, CA  
Physics

Nikhil Joshi  
Palo Alto, CA  
Astronomy

"There are more things in heaven and earth, Duppy, than are dreamt of  
in your philosophy."

"Shut up and drink, Nik."

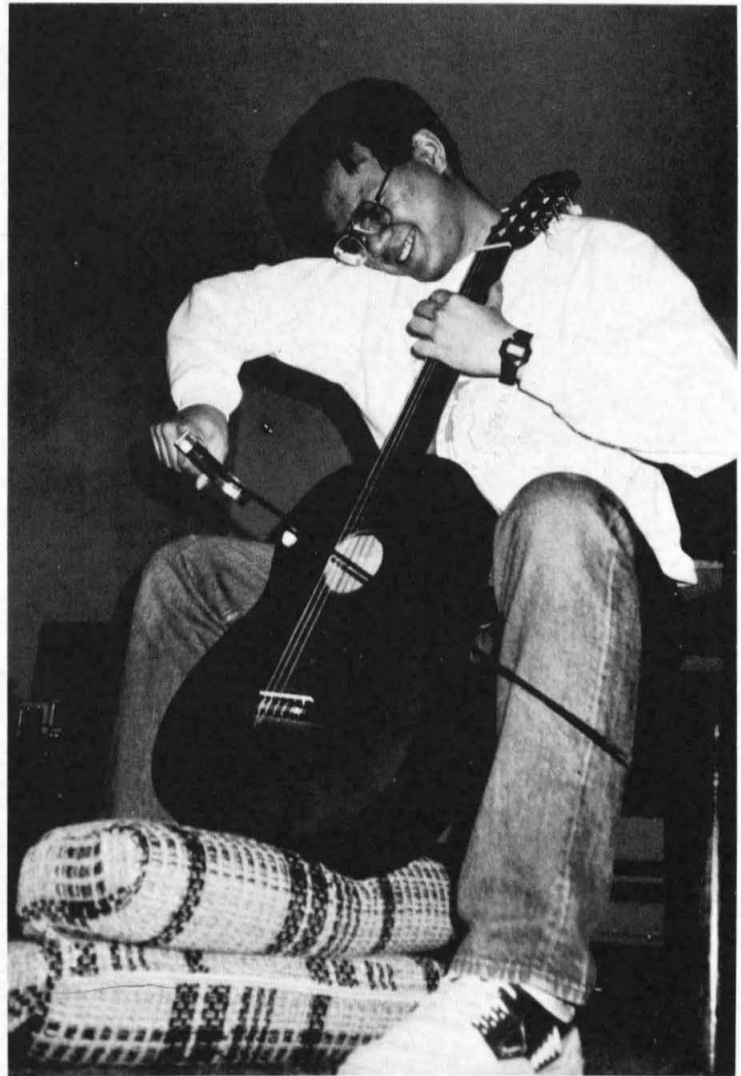






"How I go to school every day."

Mike Chou  
Torrance, CA  
Physics



Pongsorn Saipetch  
Bangkok, Thailand  
Physics



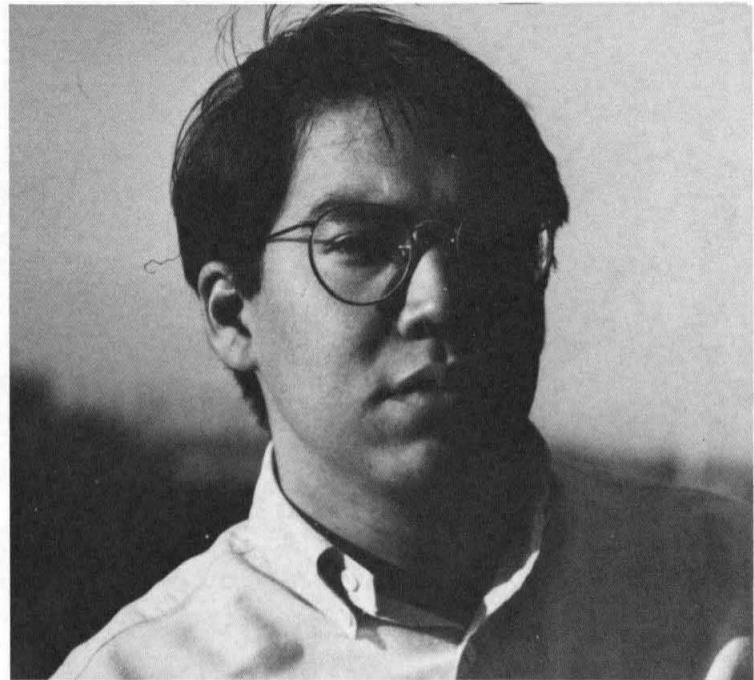
Ralph Lin  
Rancho Palos Verdes, CA  
Biology



"If it feels good, do it."

Gary Eastved  
Temple City, CA  
Social Science

Alexandre Sugiyama  
New York, NY  
Economics



HOWA

5 JUN 91 AIR JAF, LV TOKYO AR BANGKOK  
\*\*\*SERVICE IMMEDIATELY ABOVE

6 JUN 91 AIR THAI AIRWAYS INTL FLT:914  
LV BANGKOK

9 JUN 91 - WEDNESDAY  
AIR THAI AIRWAYS INTL FLT:914  
LV BANGKOK

20 JUN 91 - THURSDAY  
AR DELHI

02 JUL 91 - TUESDAY  
AIR THAI AIRWAYS INTL FLT:914  
LV DELHI AR LONDON HEATHROW

19 AUG 91 - MONDAY  
AIR VIRGIN ATLANTIC FLT:7  
LV LONDON GATWICK TERM:  
AR LOS ANGELES

RUSSELL SAGE COLLEGE  
BUSINESS OFFICE  
TROY, NEW YORK 12180

05 JUN 1990

5 JUN 1990

DELEGACION DE MIGRACION  
Guatemala, C. A.

DEPARTURE BELIZE

VECTOR'S PERMIT TO BELIZE

UNITED STATES OF AMERICA  
Code of issuing / code du pays: USA  
State: USA  
PASSPORT NO./NO. DU PASSEPORT: 052517347

PASSPORT PASSEPORT  
Type/Catégorie: P  
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Given names / Prénoms: SUSAN RAE  
Nationality / Nationalité: UNITED STATES OF AMERICA  
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Sex / Sexe: F  
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Authority / Autorité: PASSPORT AGENCY  
SAN FRANCISCO

Amendments/Modifications: SEE PAGE

Susan Howard  
Fair Oaks, CA  
Independent Studies in  
Psychology





Helen Cheng  
Cypress, CA  
Biology

"But my life is more than a vision  
The sweetest part is acting after making a decision  
I started seeing the whole as a sum of its parts..."

...Now I know a refugee never grows  
From a chin in hand in a thoughtful pose  
Gotta tend the earth if you want a rose."

- Indigo Girls



Keith T. Akama  
Gardena, CA  
Biology

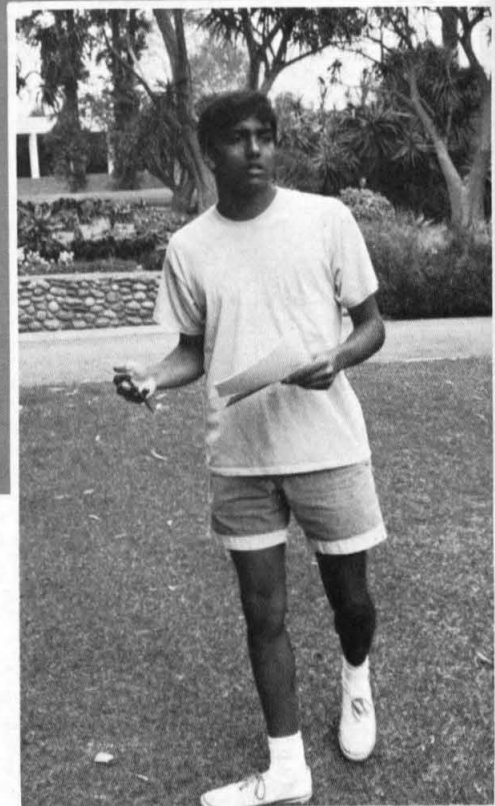
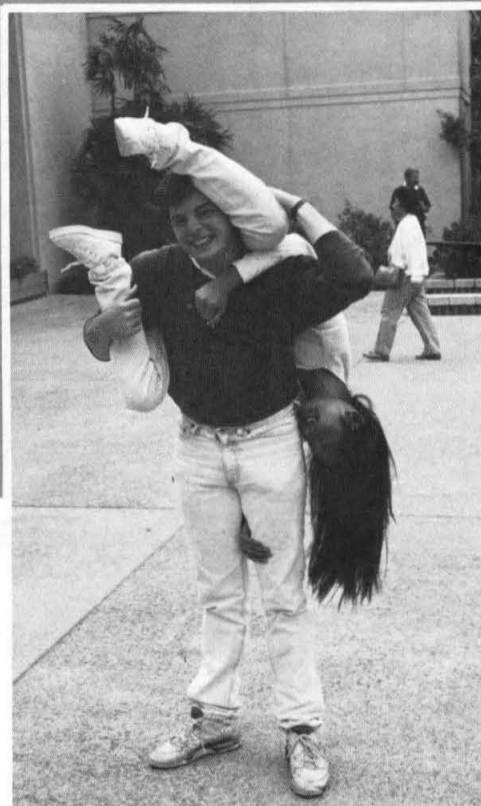
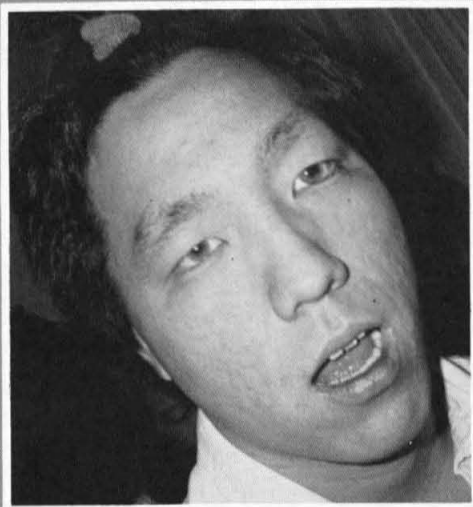
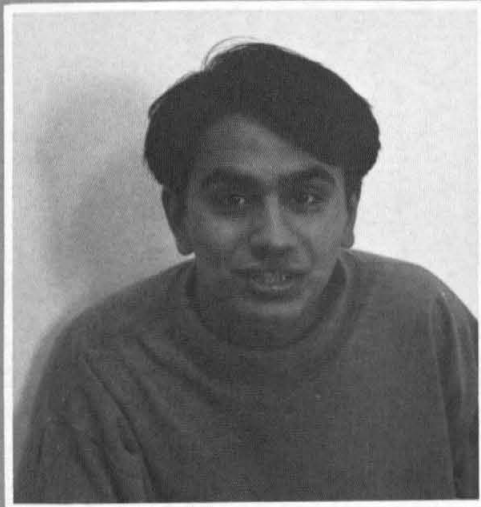
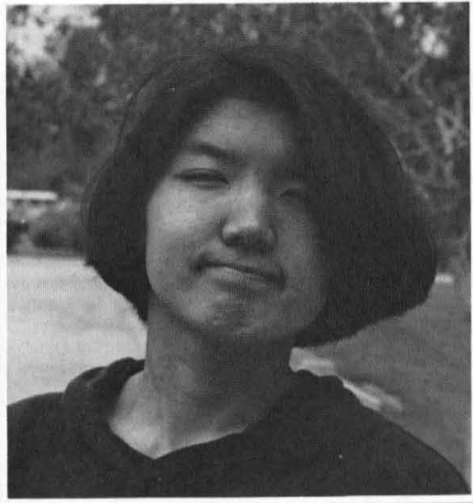


"Those who dream by day are cognizant of many things which escape those who dream only by night."

- E.A. Poe

Erik L. Russell & Sapphire (Two Cats)  
Westminster, CA  
Planetary Science









## CLUB 635

Alecia J. Chen  
E&AS

Steve Jun  
Electrical Engineering

Yayoi Izumi  
Electrical Engineering

Joseph Caroselli  
Electrical Engineering

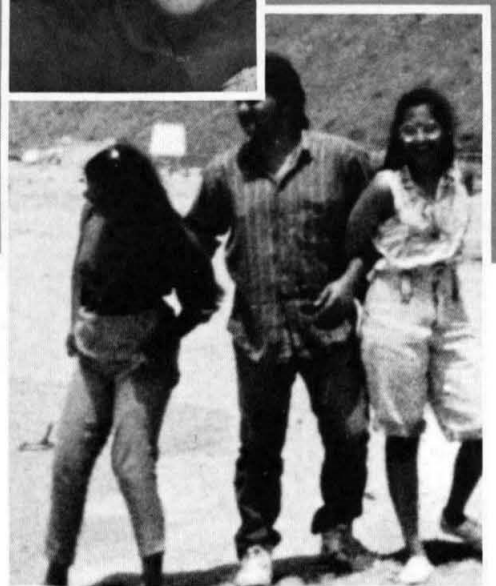
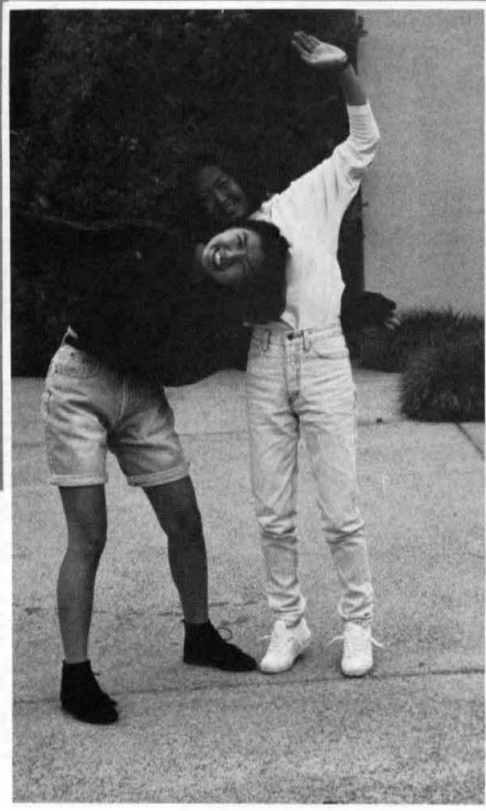
Hemant Keny  
Biology

Meeten Bhavsar  
Electrical Engineering

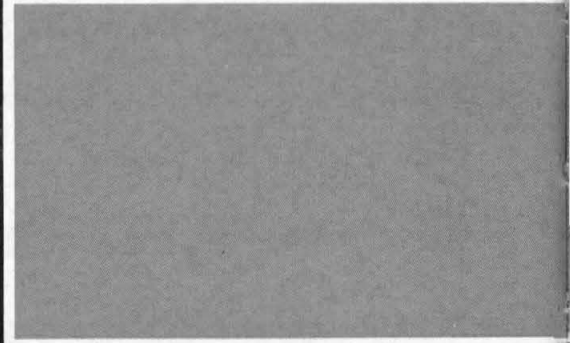
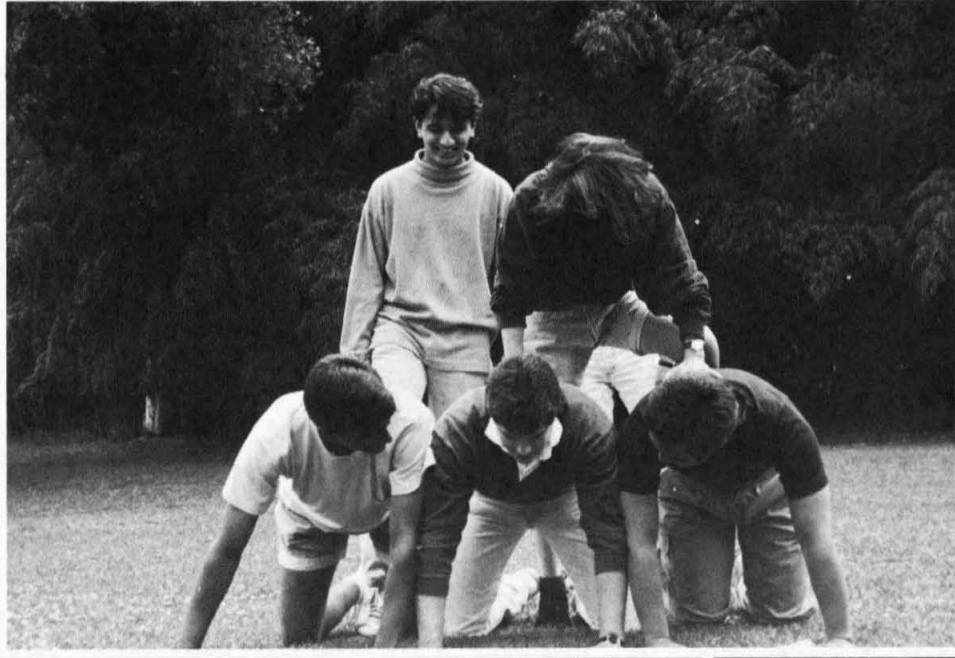
Below:

Bruce McCartney-Filgate  
Physics

Ajay Chheda  
Physics







# CLUB







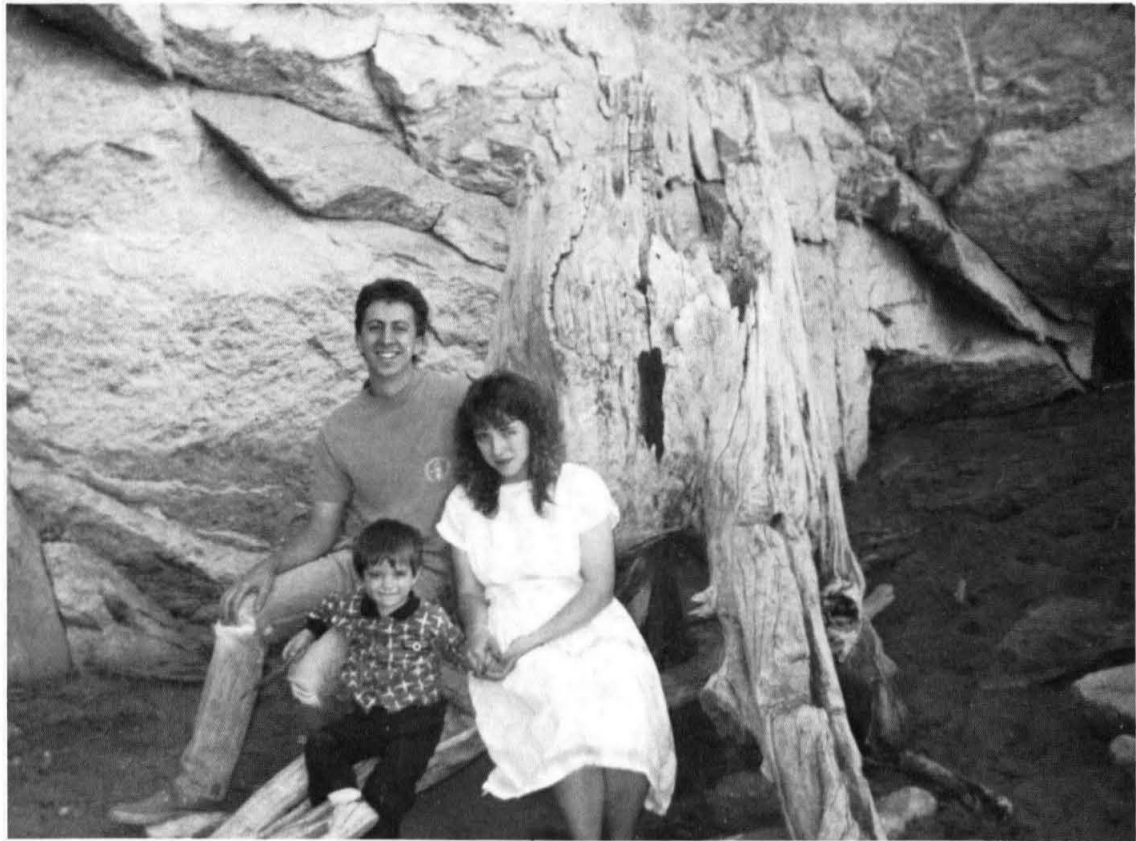
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Jay Higley  
Magna, UT  
Applied Physics

Marcy Higley  
Jeremy Higley

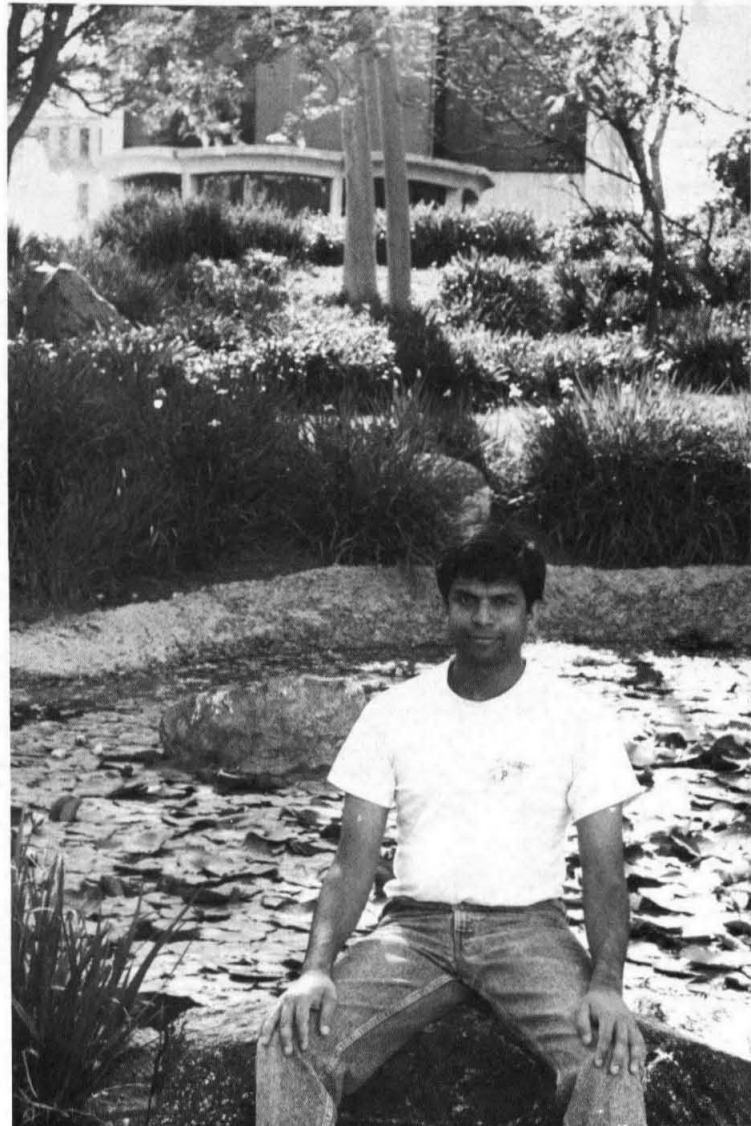


"You mean there is more to life  
than just science and engineer-  
ing?"

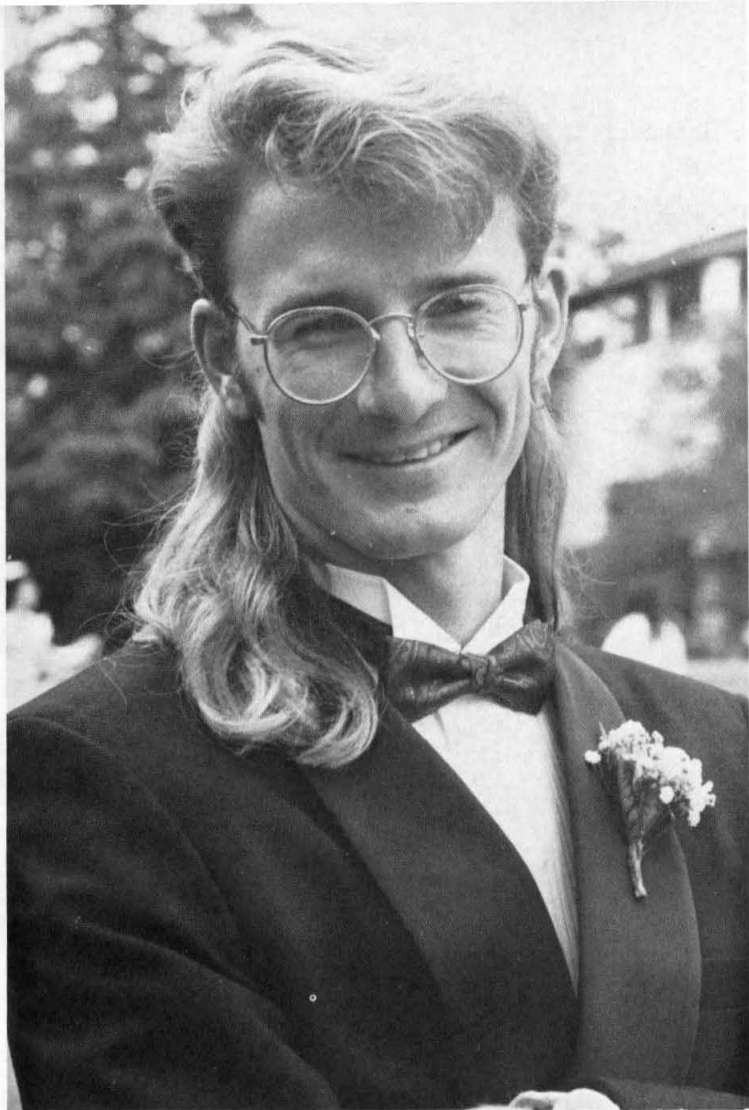
Yeh, Life at Caltech."

Kyung W. Lee  
Seoul, Korea  
Engineering & Applied Science

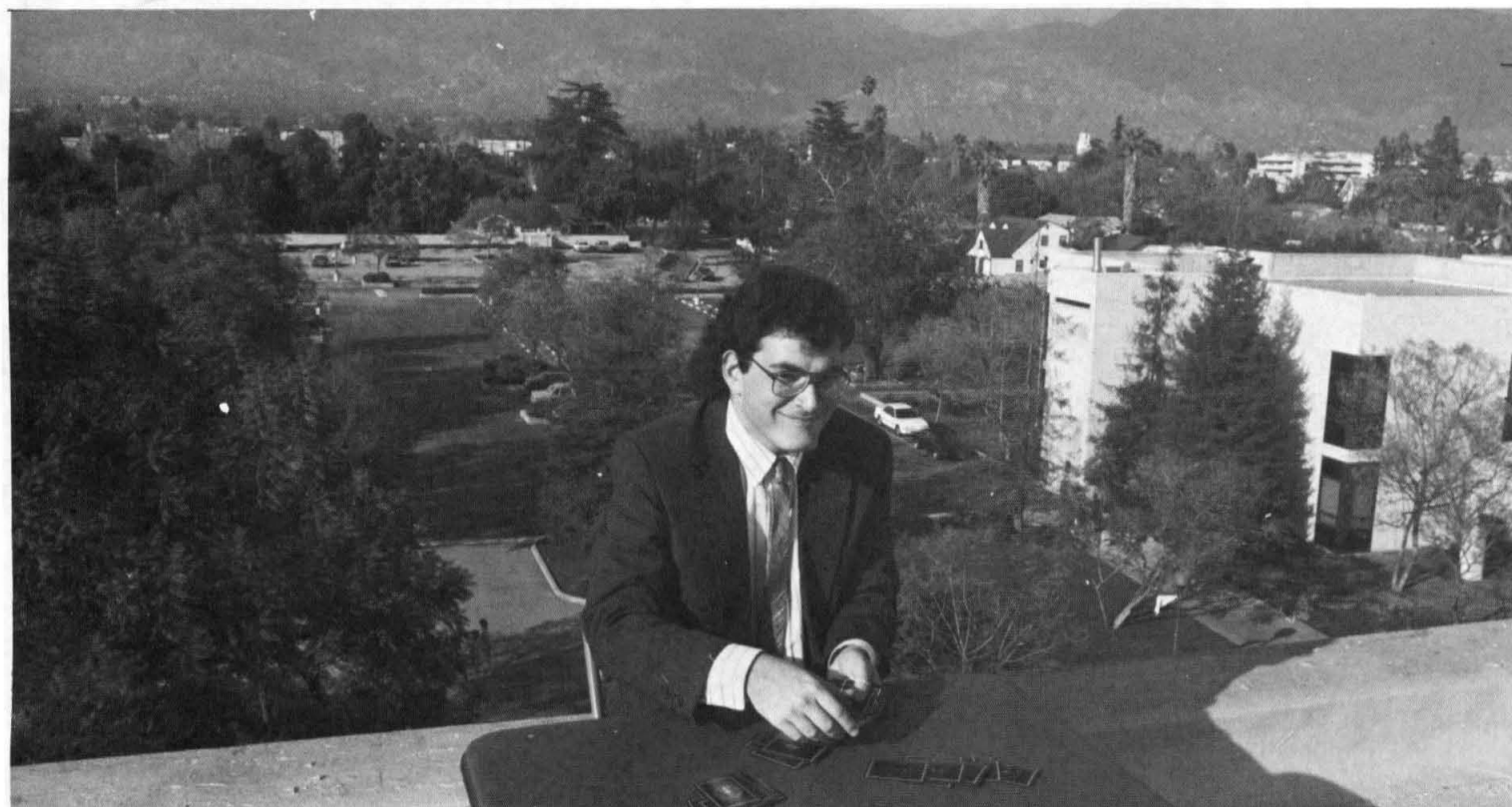
Sandeep Jain  
Delhi, India  
Engineering & Applied Science







Chris Pluhar  
Norwood, MA  
Geology



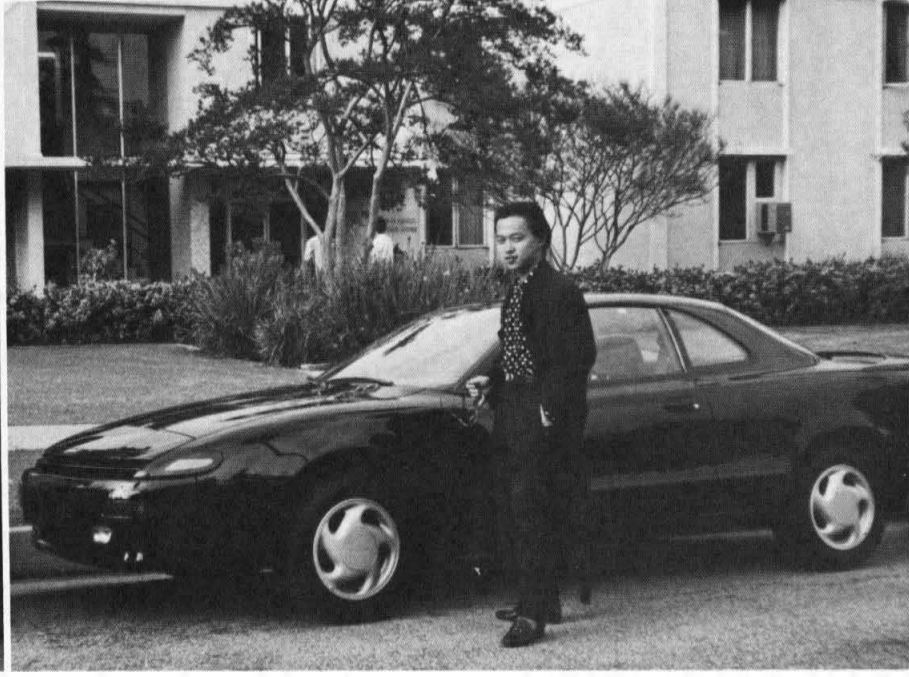
"It's a regular 40-hour-a-week extravaganza."

Sam Dinkin  
Fresno, CA  
Economics



Dan Ko is Dr. Jekyll and Mr. Hyde - nerd by night, Korean Mafia by day. He studies only in the dark!!

Dan Ko  
Garden Grove, CA  
Applied Mathematics/Economics



David Taub  
Woodland Hills, CA

Erich Schneider  
Lancaster, CA  
Engineering & Applied Science





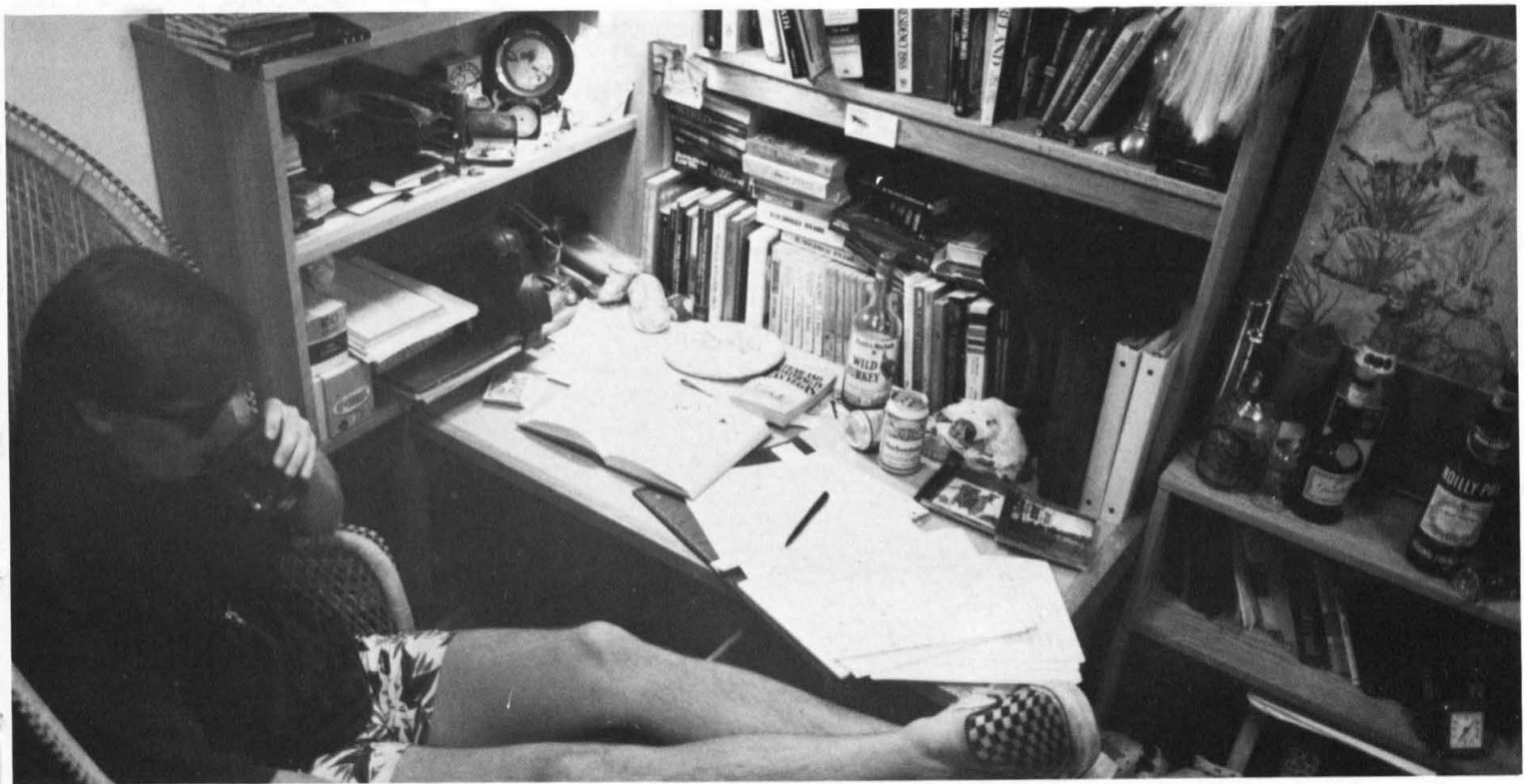
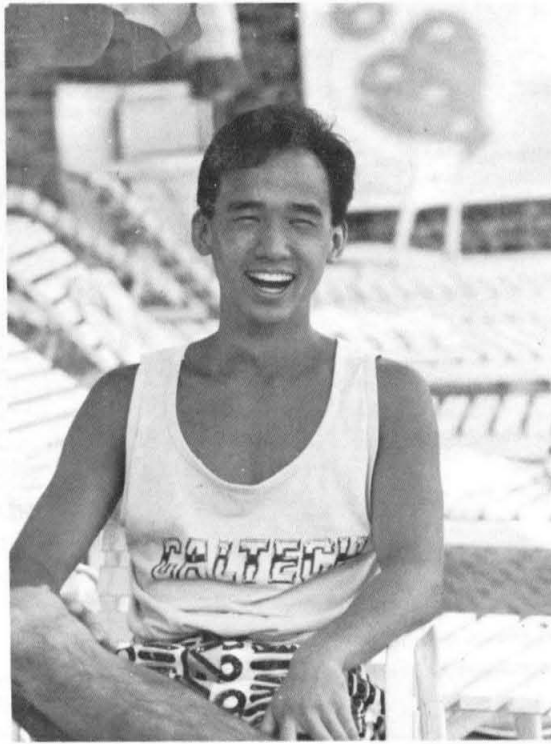


"Smell the glove"

Kurth Reynolds  
Austin, TX  
Physics

"Relaxing between parties"

Dave Park  
Glenview, IL  
Engineering & Applied Science



"Maybe there is no heaven. Or maybe this is all pre gibberish - a product of the demented imagination of a lazy drunken hillbilly with a heart full of hate who has found out a way to live out there where the real winds blow - to sleep late, have fun, get wild, drink whiskey, and drive fast on empty streets with nothing in mind except falling in love and not getting arrested . . . Resipsa loquitur. Let the good times roll."

John K. Hoskins  
Gunnison, CO  
Biology/Chemistry

-HST



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"It is plain that we exist for our fellow men--in the first place for those upon whose smiles and welfare our happiness depends, and next for all those unknown to us personally but to whose destinies we are bound by the tie of sympathy."

- Albert Einstein



## Barry Robert Krueger July 19, 1965 - October 29, 1990

"Barry, I will miss seeing you play Rugby; I will miss seeing the smile on your face as you catch a trout with your new fly rod and self-made fly. I will miss seeing the joy on your face when you are accepted as Mission Specialist on the Space Shuttle by NASA. I will keep your application. I will miss our plans for twin daughters named Samantha and Danielle. I will miss you."

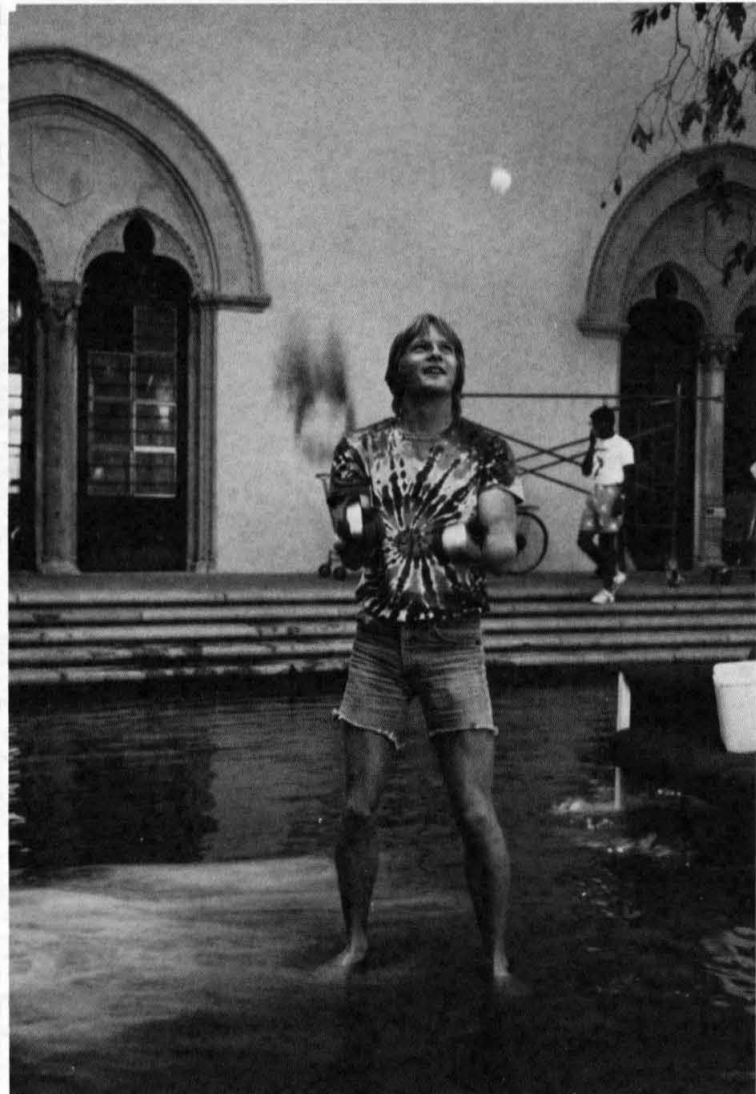
- Anita Harper

"When our time comes to leave this place, rest assured that the memories of you and your words of wisdom and guidance will remain with us wherever we go."

- the men and women of Fleming House

On June 14th, 1991, the California Institute of Technology posthumously awarded Barry R. Krueger with the Doctorate Degree for his research and achievement in Materials Science.



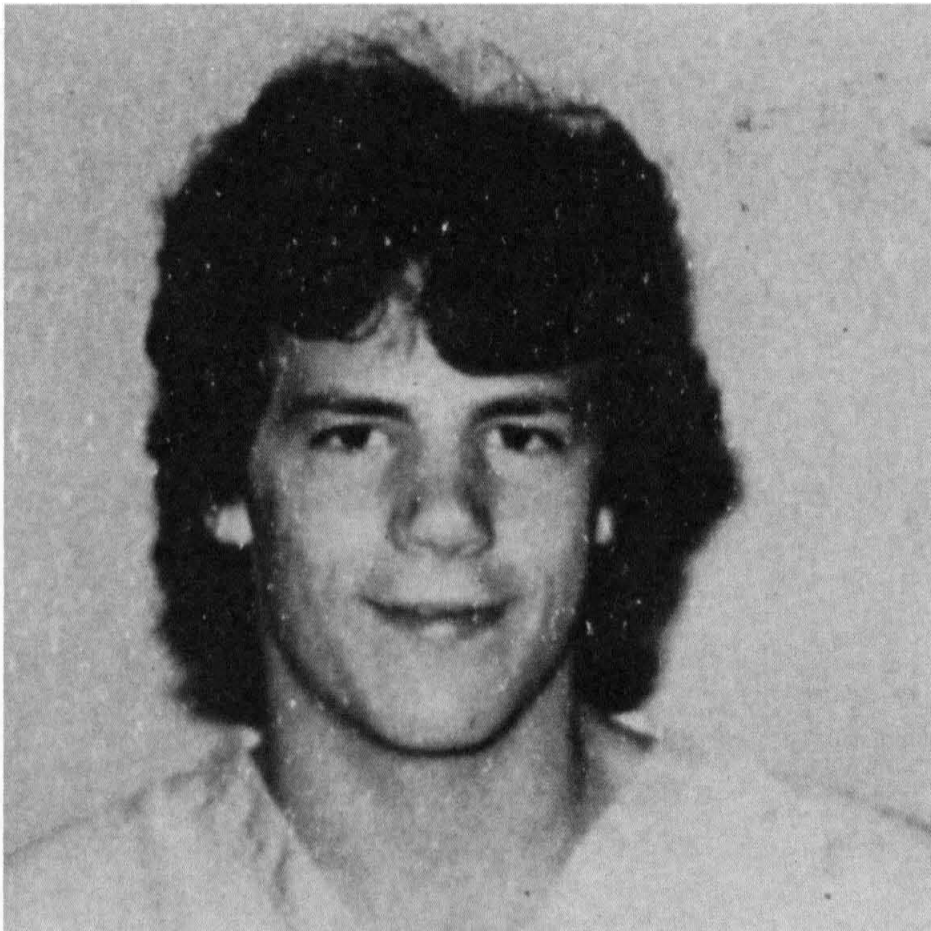


# BENGT INGVAR MAGNUSSON 1965-1991

So this is how it feels to be lonely,  
This is how it feels to be small,  
This is how it feels  
When your work means nothing at all.

-Inspiral Carpets, *Life*



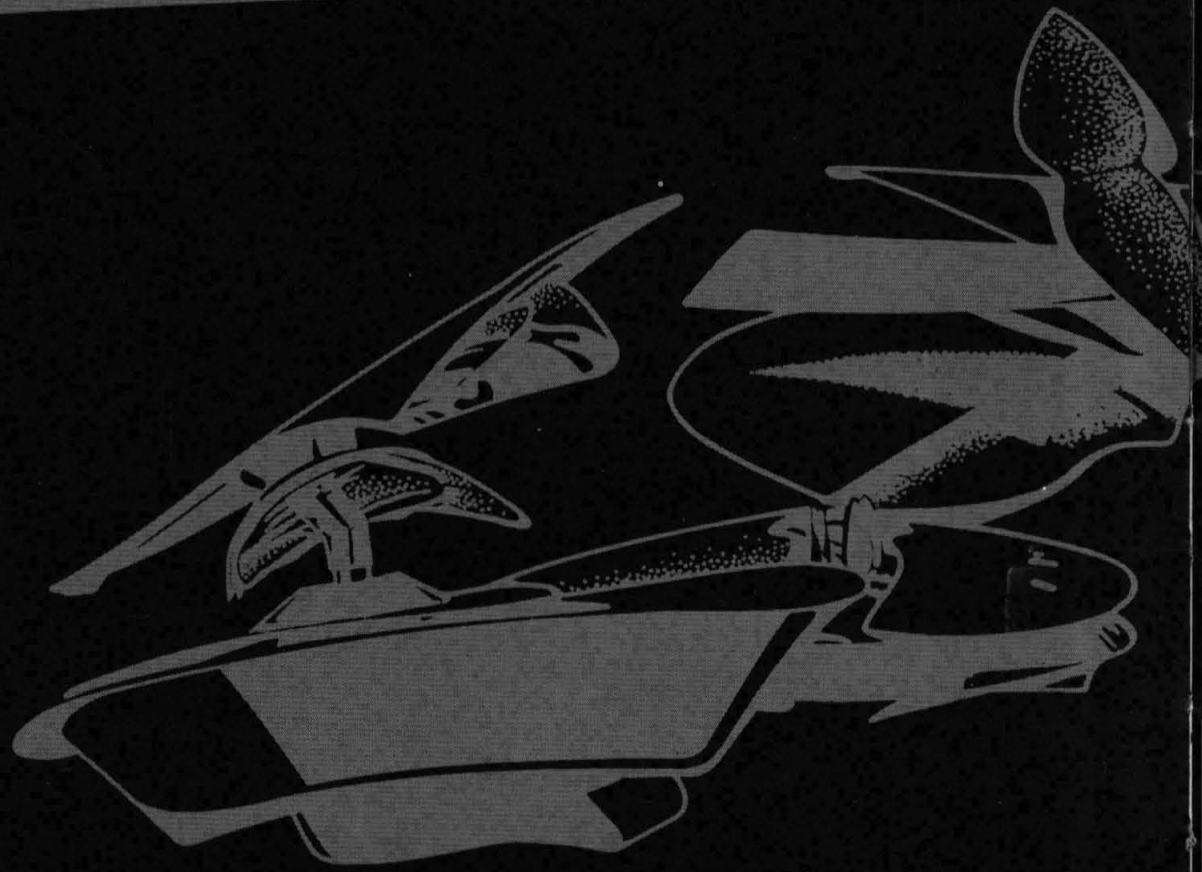


# MITCHELL MIRKO PRAVICA 1968-1991

There is a tide in the affairs of men  
Which, taken at the flood, leads on to fortune;  
Omitted, all the voyage of their life  
Is bound in shallows and in miseries.  
On such a full sea are we now afloat,  
And we must take the current when it serves  
Or lose our ventures.

-William Shakespeare, *Julius Caesar*







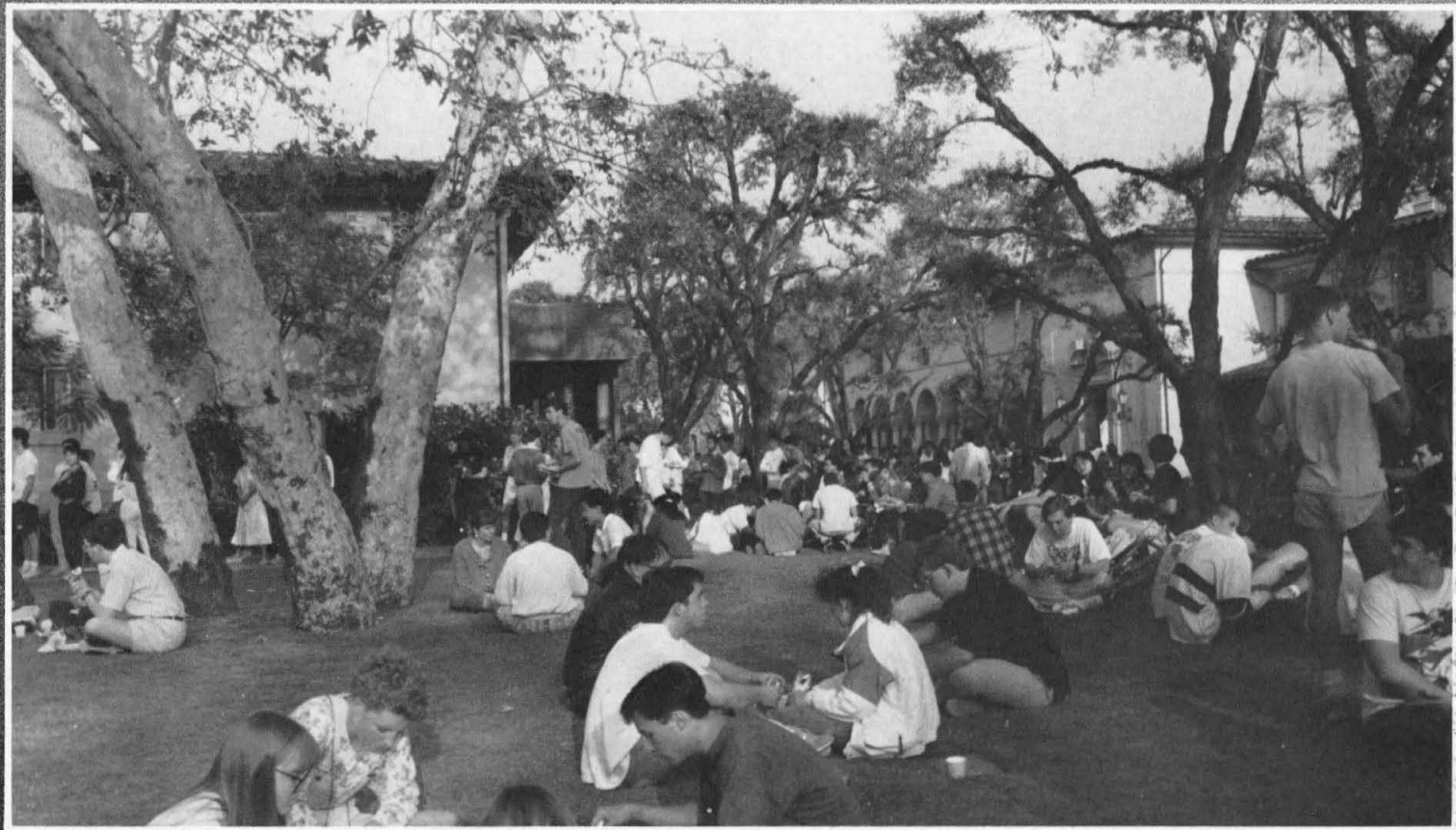


How student elections used to be. The building in the background is Throop Hall. On the left is Guggenheim. (Courtesy of Archives, California Institute of Technology.)

## *A New Century of Student Events*

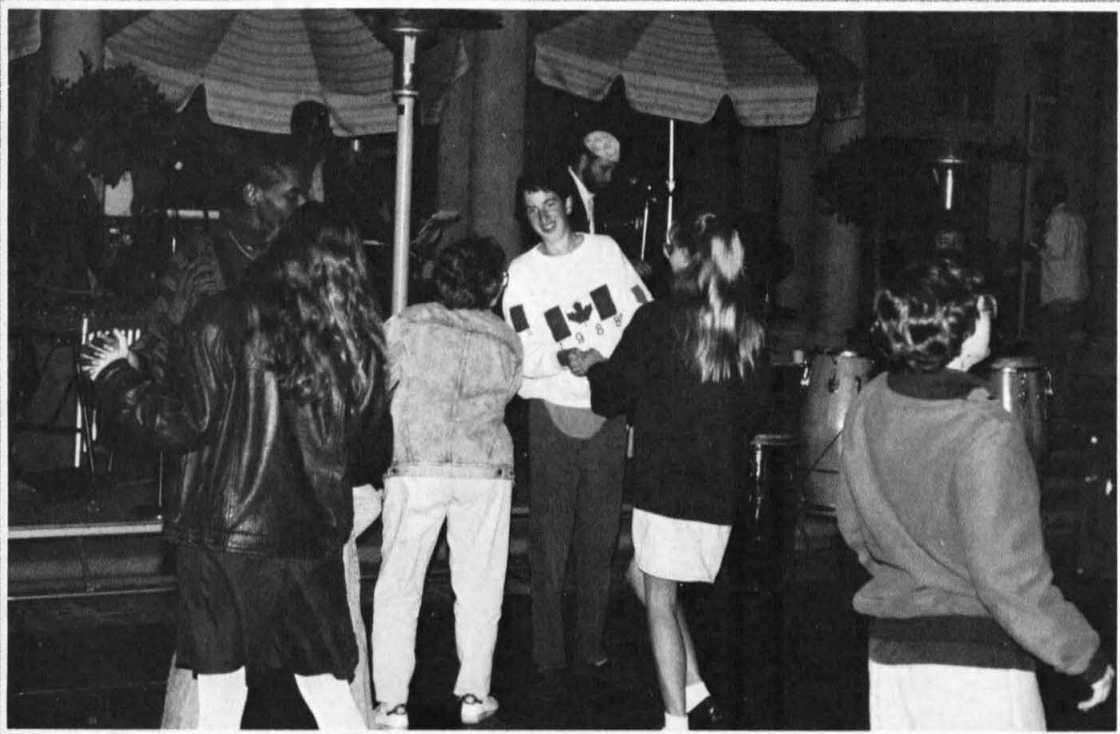


# Centennial Celebration

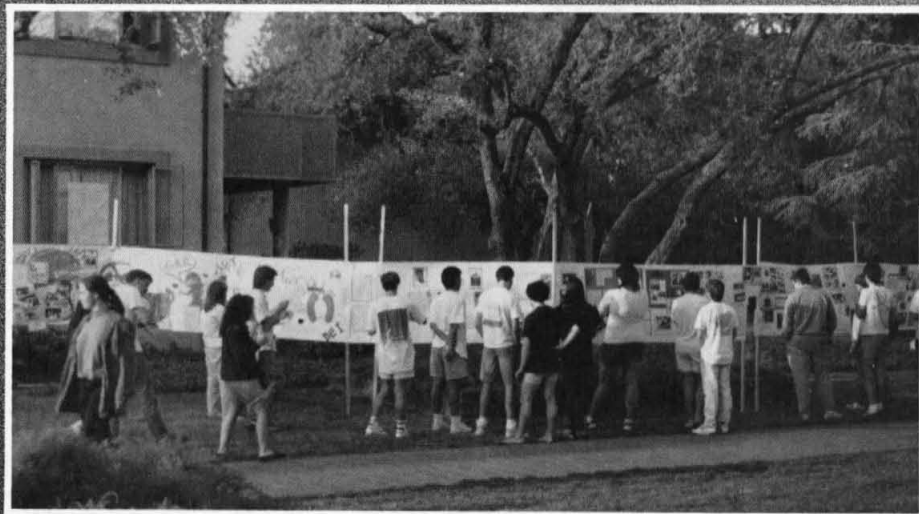


Undergrads and prefrish enjoy the outdoor BBQ





Undergrads and pre-frosh dance to "Joshua's Natural Sound"



The Centennial Timeline on display

Aimee Smith tries her new shoes



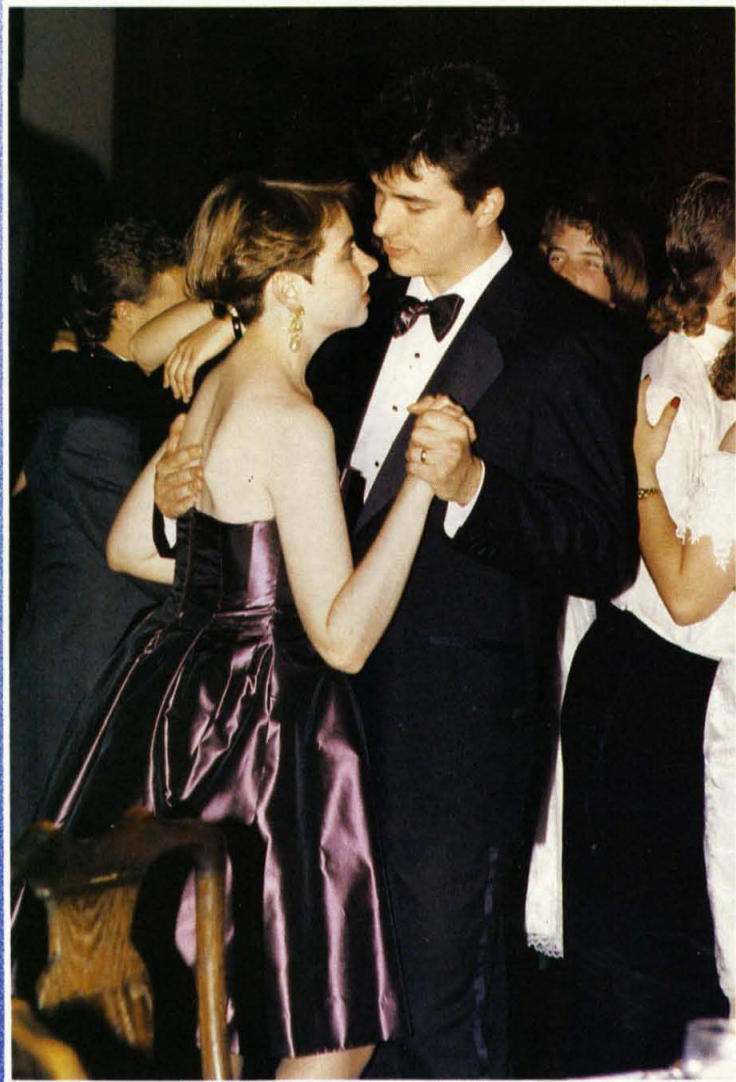
# ASCIT Formal: A Special Evening

May 10th was a special night for many couples as they dressed up in their finest and paraded through the Olive Walk on their way to the Athenaeum and the annual ASCIT Formal.

First business for those who wished to remember the occasion was to have their picture taken by the truly professional Bob Paz.

After mingling with the 50-odd couples and downing a few at the reception, the beautiful people were treated to a most excellent dinner and later boogied the night away to the sounds of Ruble Moon.

All in all, it was a beautiful night. Much thanks goes to activities chairman Ari Kaplan for doing an excellent job.



**Top Right:** The Abels share a tender moment.

**Top:** The ladies ham it up during the formal.



**Right:** Joe Fierro enjoys the evening with his companion Lisa Whang





Left: Gina Armas tries to get check to cheek with Bill.



Bottom: Taletha and Rob



Rob and his partner (left), John and Amy (above) hit the dance floor.

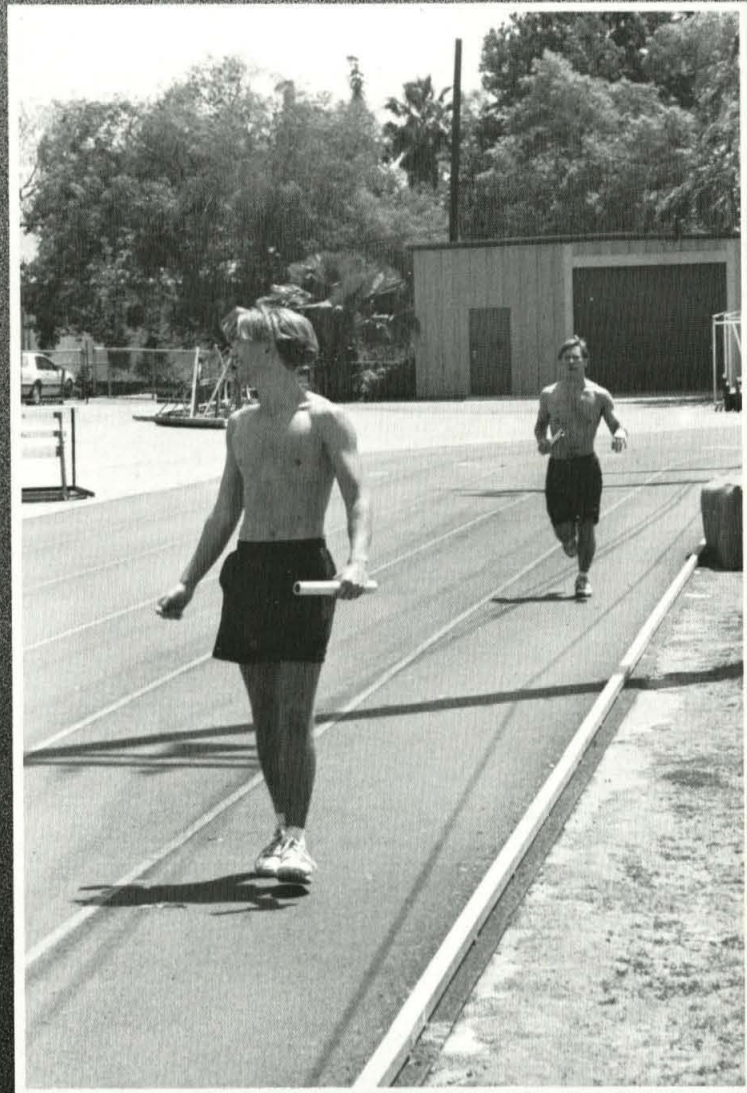
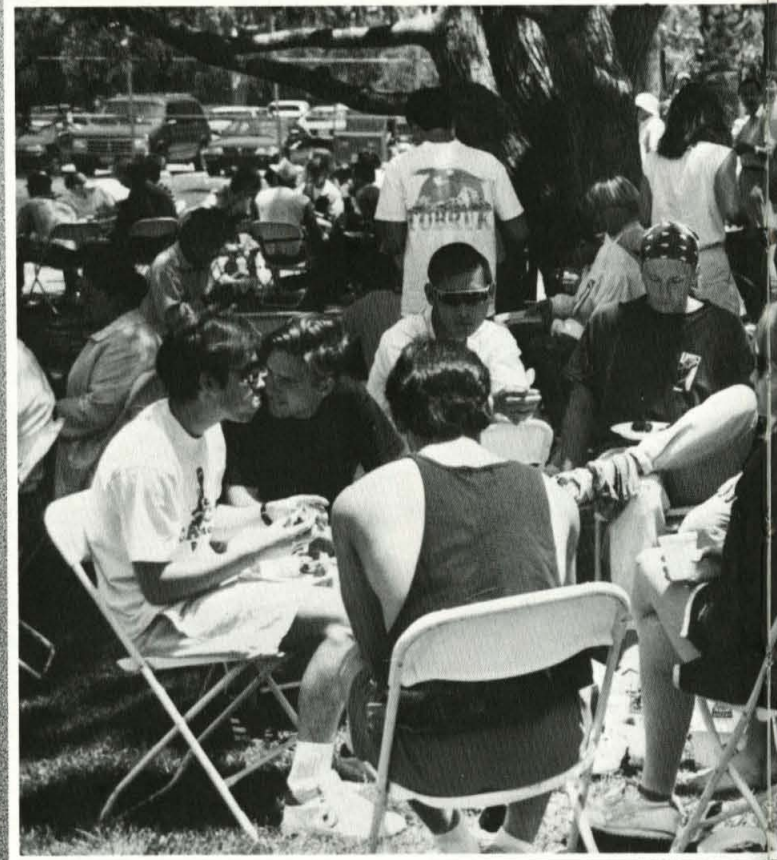


# KELROF

California Tech, May 24, 1991

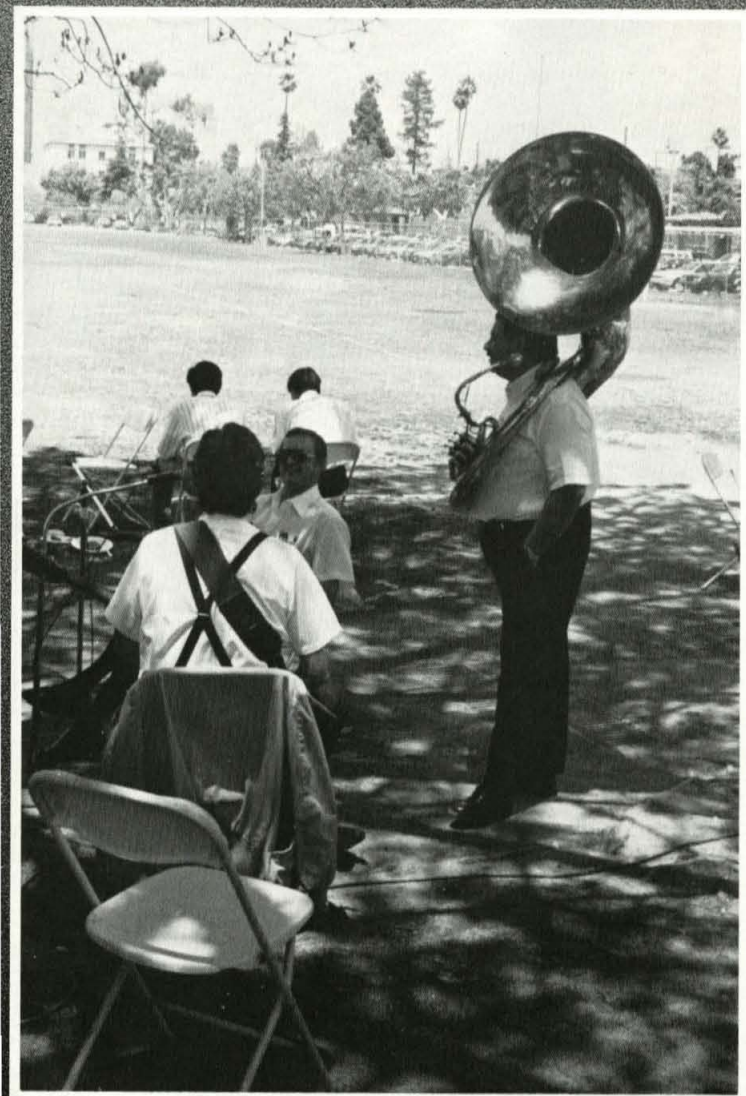
The thirteenth annual KELROF 24-hour relay was run this past weekend with nary a hitch. Three teams, one each from Lloyd and Ruddock Houses, and an all-frosh team, were involved in this year's race against the clock. The Ruddock team finished with 173.25 miles, Lloyd completed 171.25, while the freshmen ran 148 miles. Impressive performances were turned in by freshman Ned (Sprinkler-

head/Cubehead) Bowden, who completed more than 20 miles while averaging less than 5:30. Ruddock team member Jonah Michaud averaged less than 6:15 per mile for Lloyd. Kurt Storm and Ellis Eckland also recorded some impressive times throughout the long ordeal. Much appreciated were the many spectators who came out to support these brave men and women in their time of need.





# SPORTS DAY



Sunday, May 19th was a day full of excitement, enthusiasm, and sports. What more could you ask for? Generations that might never have met were allowed a few moments together—undergrads, a few faculty, alumni, their families, and grad students joined together for some friendly games.

Long before most of the campus was awake, those hardy, early-rising souls had completed the

triathlon, the first event of the day. Starting at noon with a free lunch from Gary, the Caltech athletic facilities were brimming with active bodies participating in a variety of sports: soccer, softball, tennis, volleyball, water polo, and much more.

All in all, Sports Day was a success bringing many diverse groups at Tech together to participate in wide range of athletic endeavors.

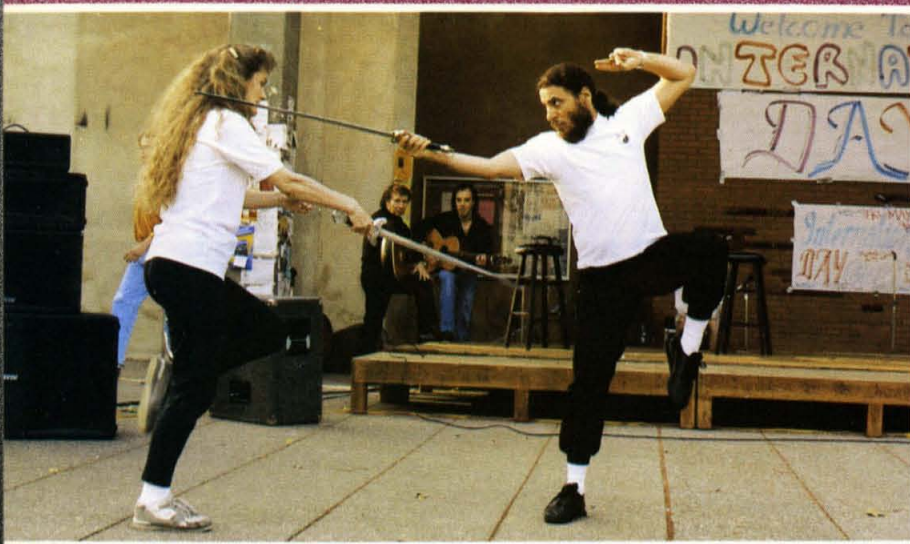


# International Day

Caltech's International Day was held May 24th at the Winnett Quad, and it was a tremendous success. With increased funding from the Y, ASCIT, GSC, the President's Office, Student Affairs, the DRL, Dean's Office, Service League, Alumni Board, Burger Continental, and various campus clubs, more nationalities and ethnic groups than ever before participated in this year's event, thus illustrating the true diverse microcosm that is representative of Caltech.

There were Vietnamese, Chinese, Japanese, Canadian, Pakistani, Israeli, Korean, Indian, French booths as well as many others serving food samples, displaying various works of art, and enlightening everybody to their special culture.

In addition to the booths, there was live entertainment featuring hula and Afro Brasil dances, traditional dances from Korea and Greek, music from India, Korea, and India, and martial arts from the Orient.



A martial arts exhibition





A performance of Indian classical music



Korean dancers perform



The Greek table where the Uzo helps tasters sample of the flavors of Greece.

The Indian booth served up a spicy vegetable dish along with a sweet desert.

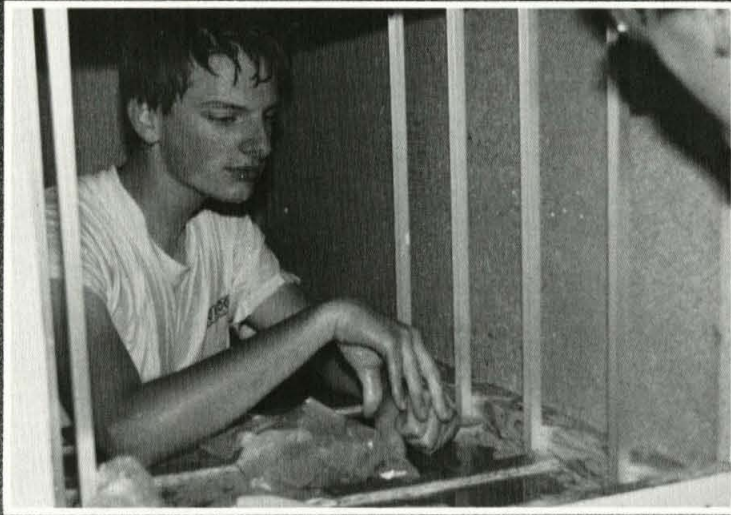


# Ditch Day 1991

Ditch Day was on drop day this year, giving the undergrads a free day to tackle stacks and expose the media (and the rest of the world) to nine hours of general insanity at Caltech.

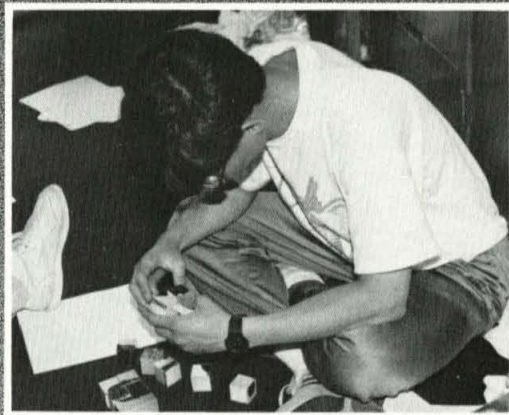
This year's stacks did not disappoint in creativity, entertainment, and hard-core destruction. There were your brainwork stacks ranging from mathematical and jigsaw puzzles to a New York Times crossword to bridge problems. As usual, some undergraduates were

required to perform acts they wouldn't normally do. A few condemned souls relived the lives of the British band Spinal Tap, while others did a concert video of the Go-Gos. Others got to stick marbles up their noses, wear fire hydrants around their necks, xerox their butts, or in the case of one stack, dress as nerds, Stupendous Men, and cross-dressers. A few attracted to mother nature performed the mating ritual of the Ragianni Bird of Paradise while one lucky fellow got to swim



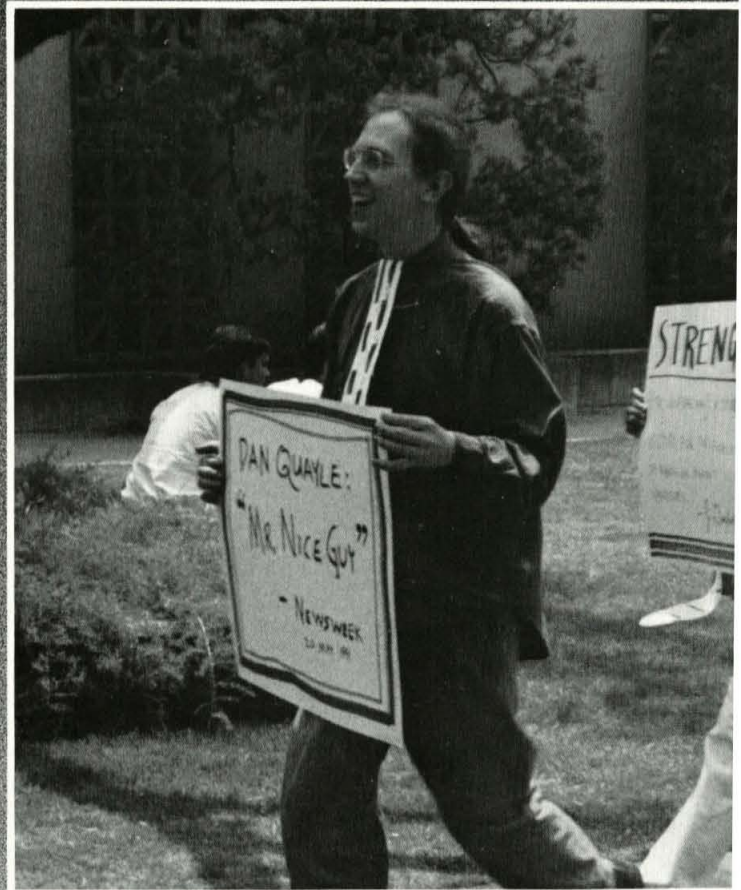
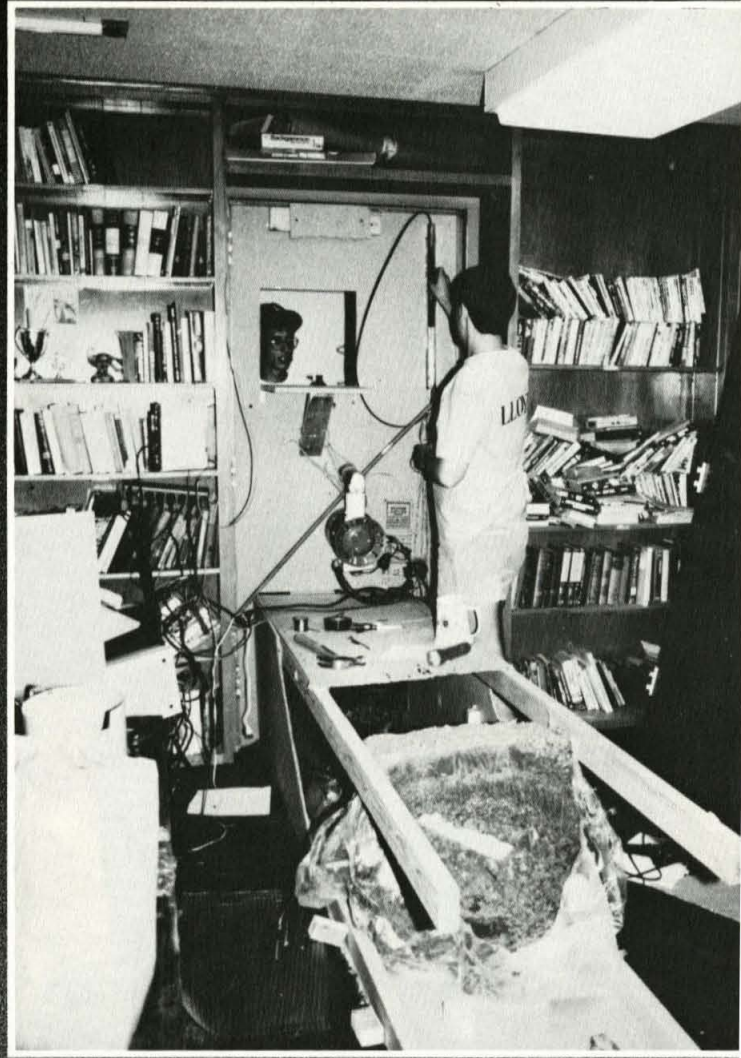
Scott Harris working last minute on his stack.

Don North has to swim through a fish tank in Keith Akama's room to retrieve a clue.

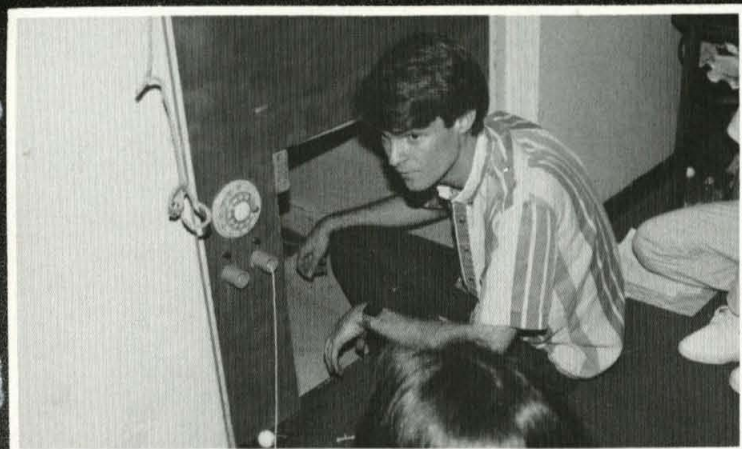


Francis Chong assembles what would eventually be a cube with pictures of people on each side.

Some Scueves protest on the Olive Walk as part of a stack.





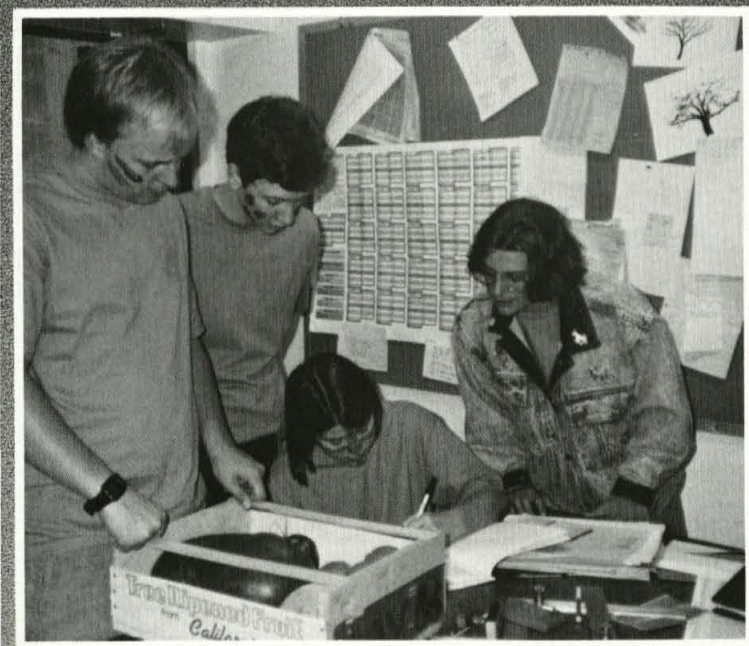


Mark Lakata breaks into Scott Harris' stack.



The building of a Spagetti Tower is in progress.

Page tells everyone that Ditch Day is TODAY!



What are these Moles doing in the BigT office?



through an aquarium full of live fish. However, there were some lines the participants were not about to cross -- like picking nose hairs and eating them.

The stacks also involved other people besides the undergrads. Lisa Waitz, Suzette Cummings, Gina Armas, Kim West, and Diane Binney were subjected to pick up lines from one stack, and Chris Brennen, along with a few others, were forced to "smell the glove".

Some lucked out during Ditch Day. An undergrad got to travel to

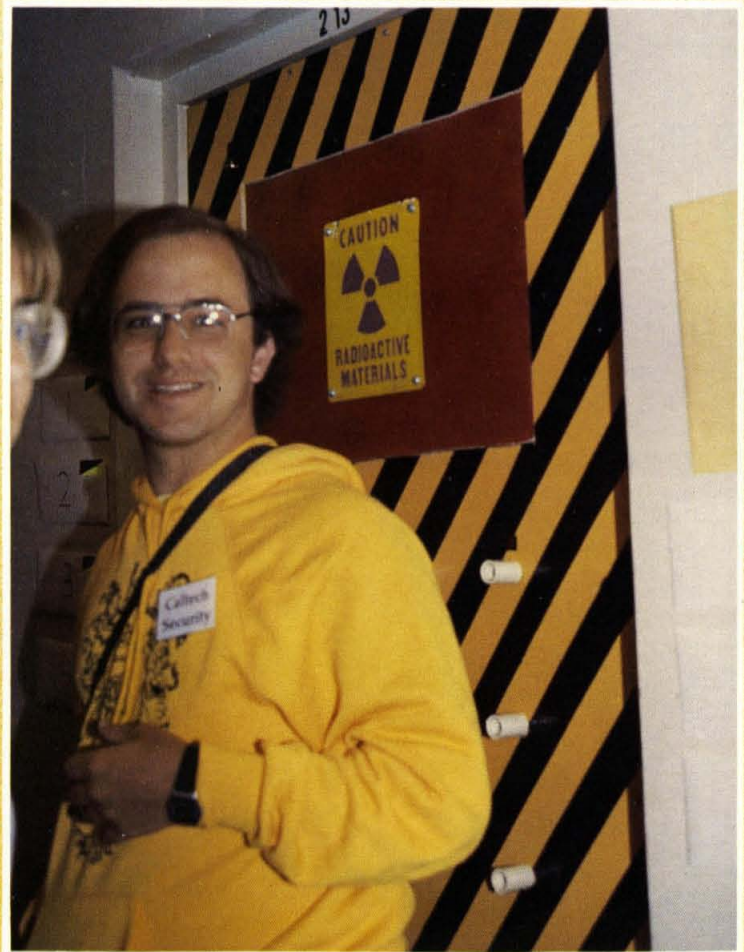
Las Vegas and gamble, and while not as glamorous, another student got a free trip to Berkeley to retrieve a clue. Also, all of Blacker gained a "new" convertible after hacking and decorating a senior's Capri.

Ditch Day was quite an extraordinary spectacle indeed. Everyone had a lot of fun and certainly had a lot to consume after five o'clock rolled around. A tradition unique to Caltech, it will provide plenty of memories for years to come.



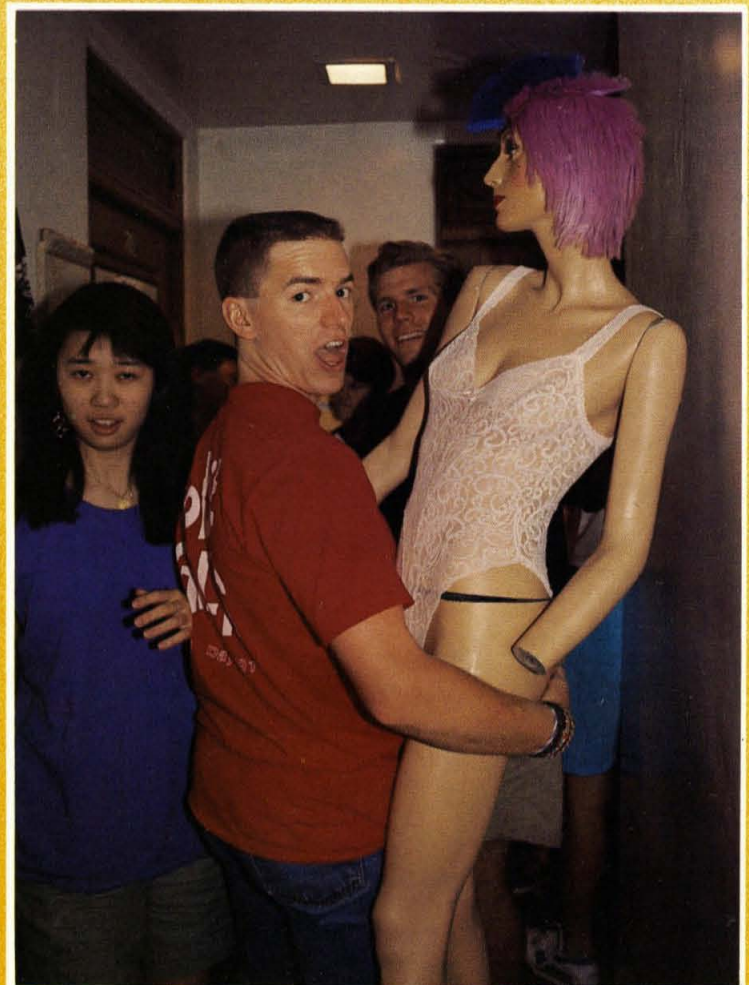
# It's Ditch Day

What more can be  
said?



Mike Ricci needed a convertible to cruise the beach: his stack called for the conversion of his conservative brown Capri into the ultimate cruising machine

Party of the Dobbie Gillis Stack.

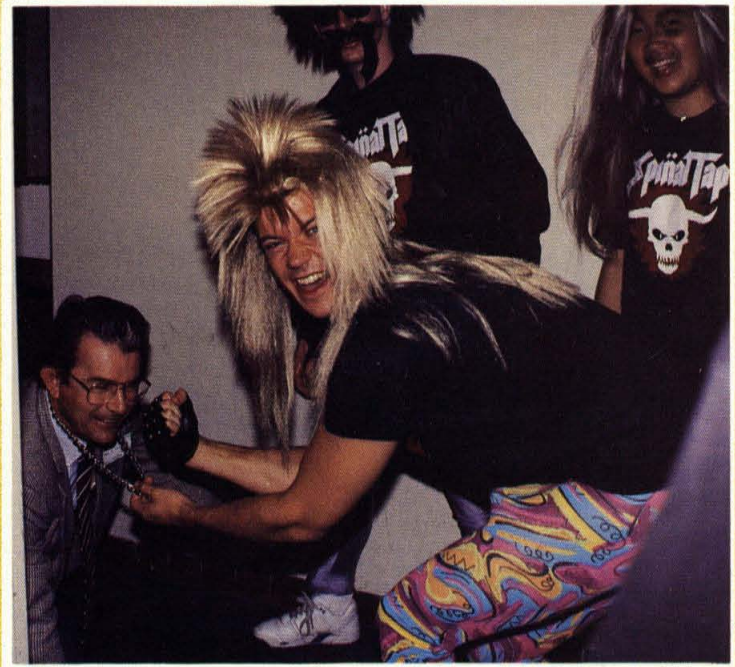






Tal, Emm, Jon, Jimmy, and Mike brave traffic and sabotage from water balloons to complete their task.

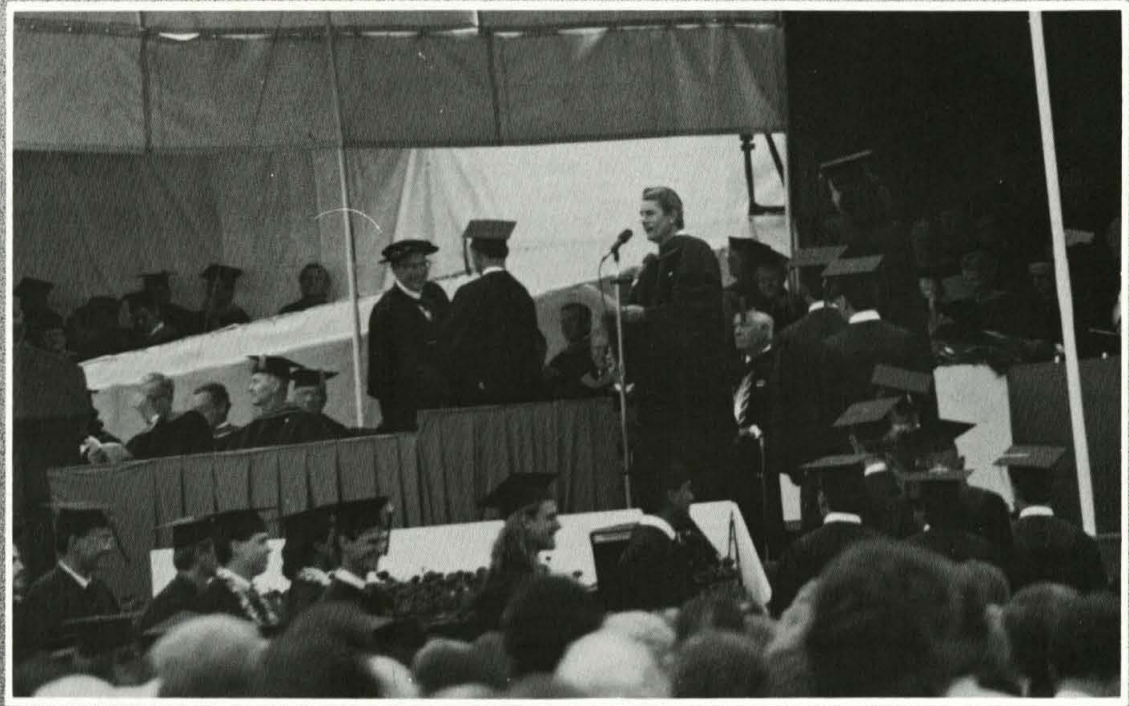
Dean Brennen "smells the glove".



Danny Chu and Peter McCann are pirates sailing out to Millikan Island

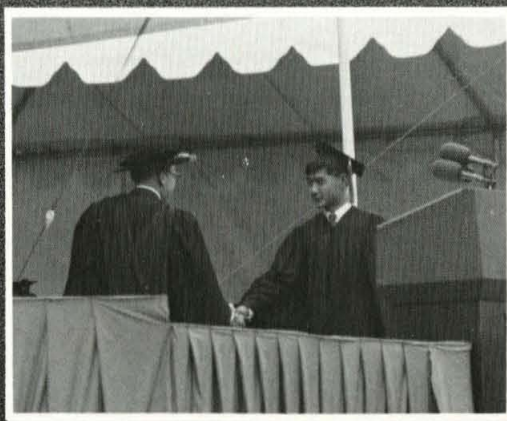
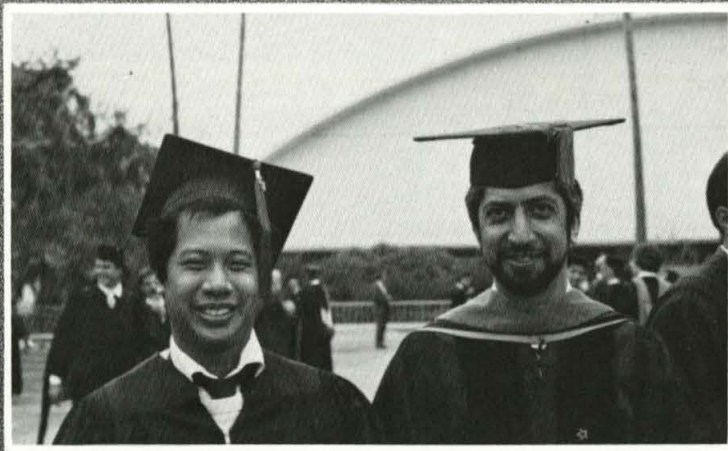


# GRADUATION!

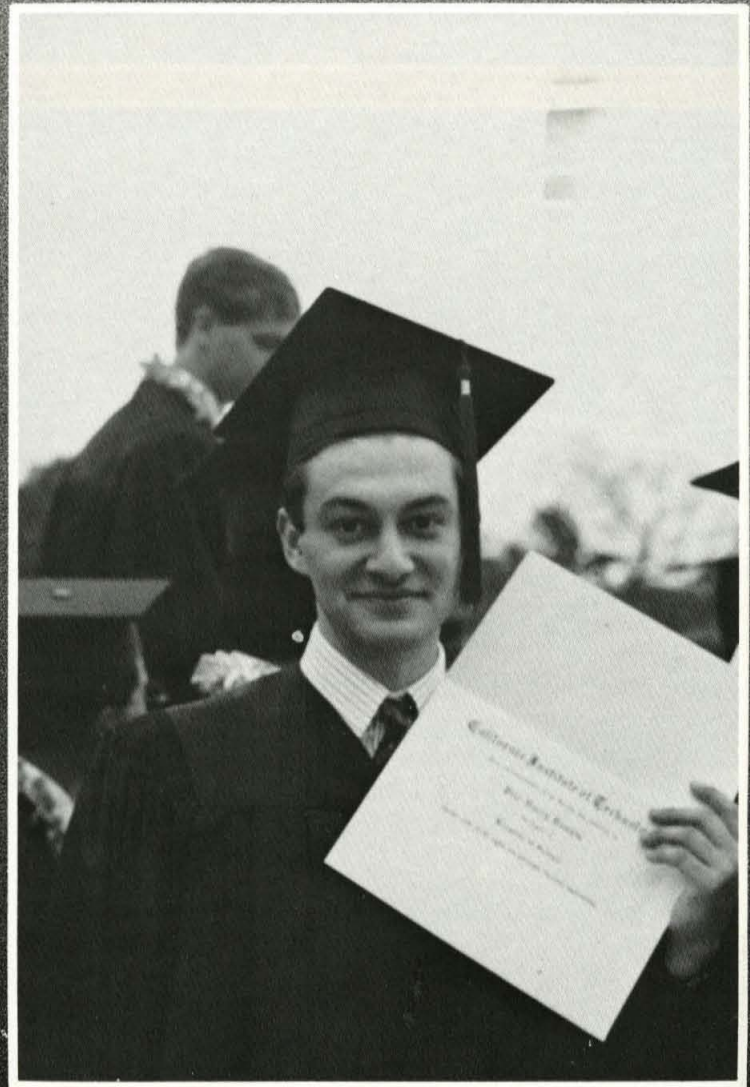


Dr. Everhart and Dr. Brennen present diplomas to the graduates.

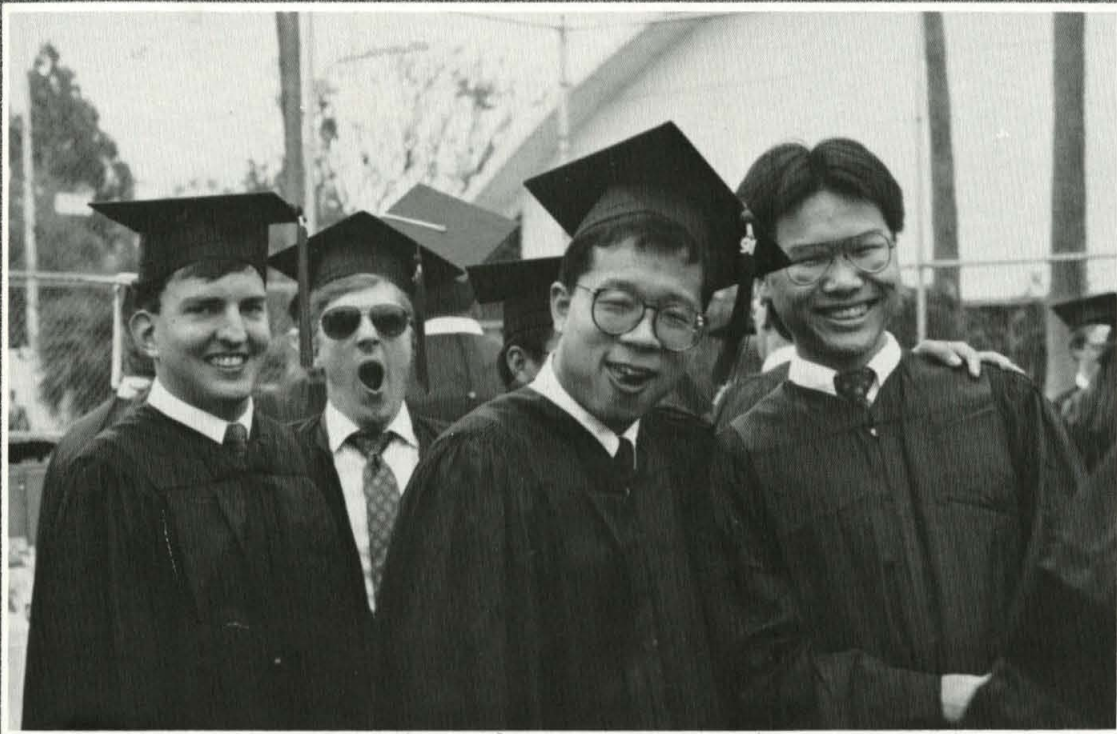
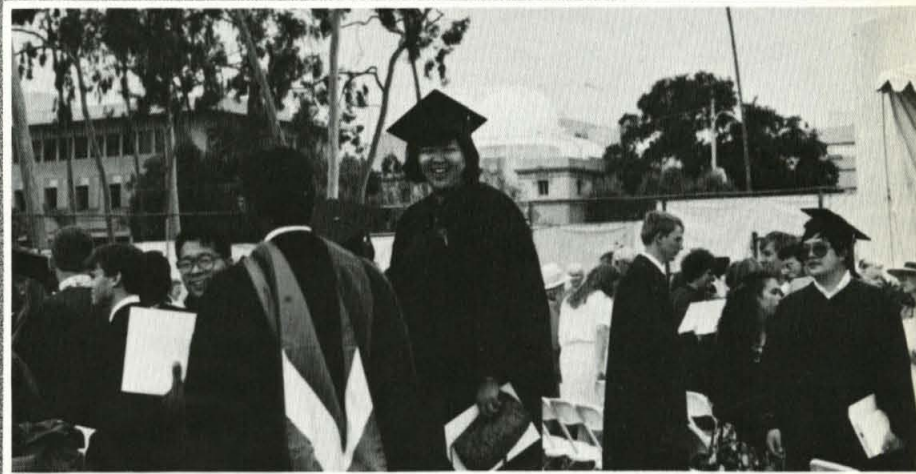
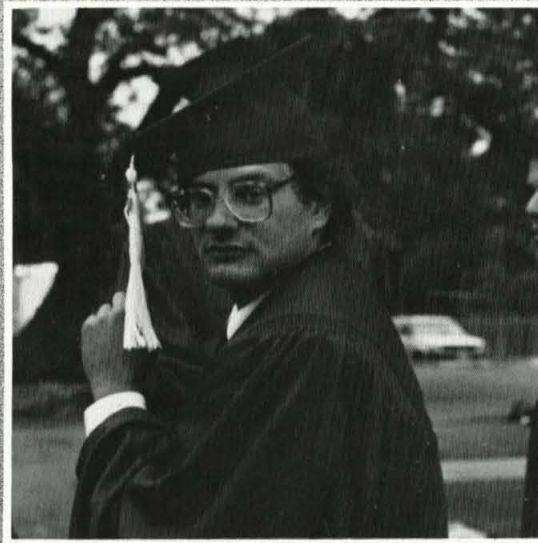
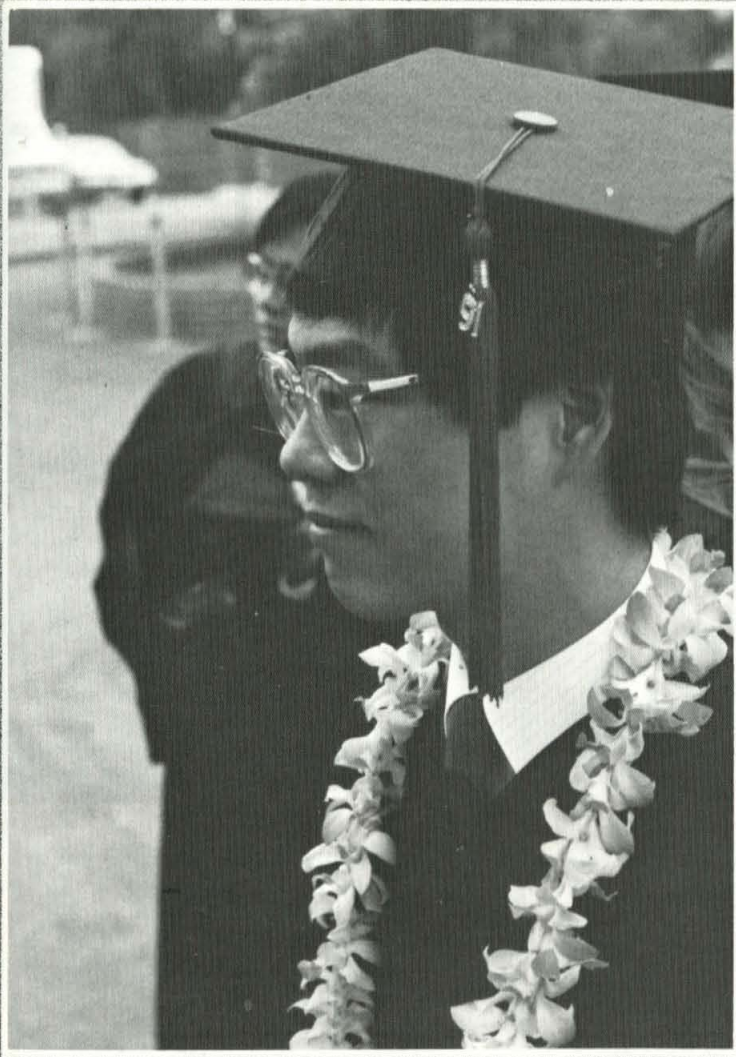
Steve Hwan and friend



Pete Dussin proudly displays his certificate







**Clockwise from top left:**

**Myron Ahn waits anxiously in line**

**A red Rob Welstand**

**"I got my cert!"**

**Obviously for Mitch Loescher it's too early in the morning. Not for soon-to-be-alumni Ted Mynar, Ralph Lin, and Mike Kwan.**



# Bush speaks at Commencement Ceremony

"Caltech is honored that President Bush has decided to address our graduating class on the 100th anniversary of the school's founding. Commencement is always special at Caltech, and the President's visit will make it even more memorable. We are pleased that President Bush has chosen Caltech as one of the select few places to deliver commencement addresses this year. We look forward to welcoming him to our campus and to hearing his remarks."

President Everhart's comments certainly reflect the privilege we had of having the President of the United States at our 97th Commencement. We were only one of five universities where he scheduled commencement address this year.

Having President George Bush and Governor Wilson at this year's graduation ceremony meant more security, precautions, procedure, memos, and rampant rumors preceding the crucial day than any previous commencement.



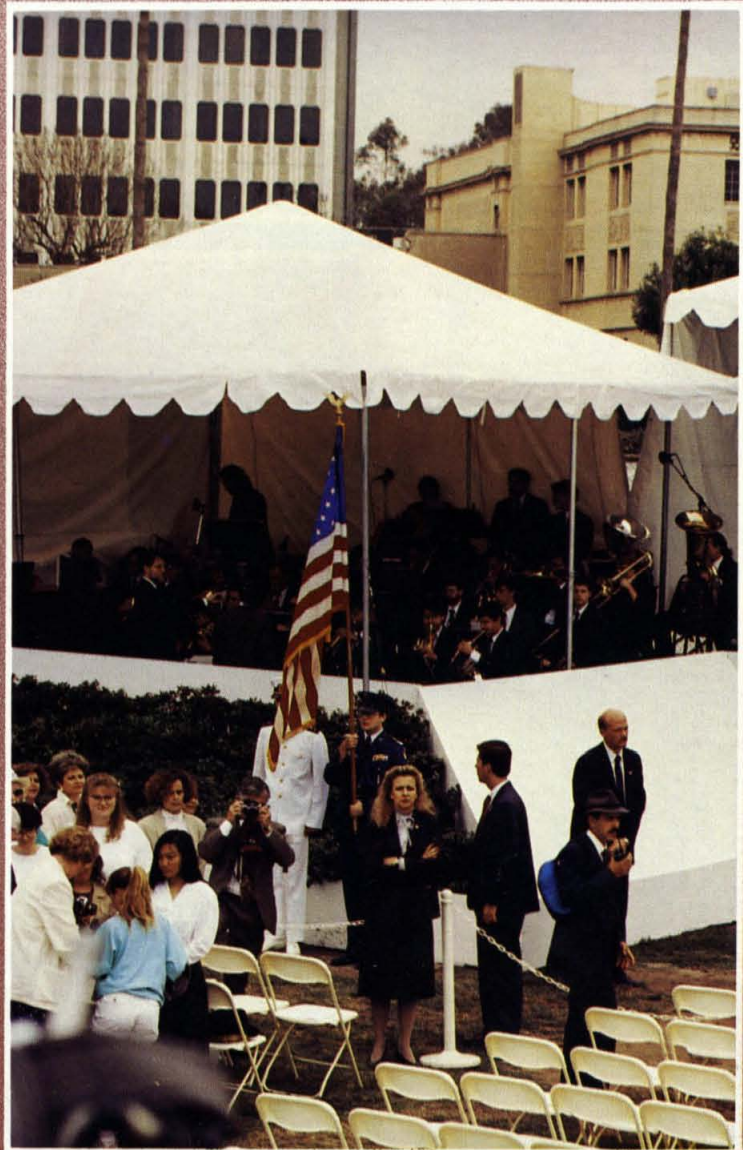
Having such esteemed company also meant a huge turnout, hence moving the ceremony to the athletic field instead of the usual Court of Man. Two huge bleachers were set up around the area facing an impressive platform.

Before the event, the whole campus, especially the athletic office, was crawling with dapper, sunglassesed secret service types who all seemed to have trouble hearing out of one ear. They scouted areas, questioned people, examined every minute detail, and

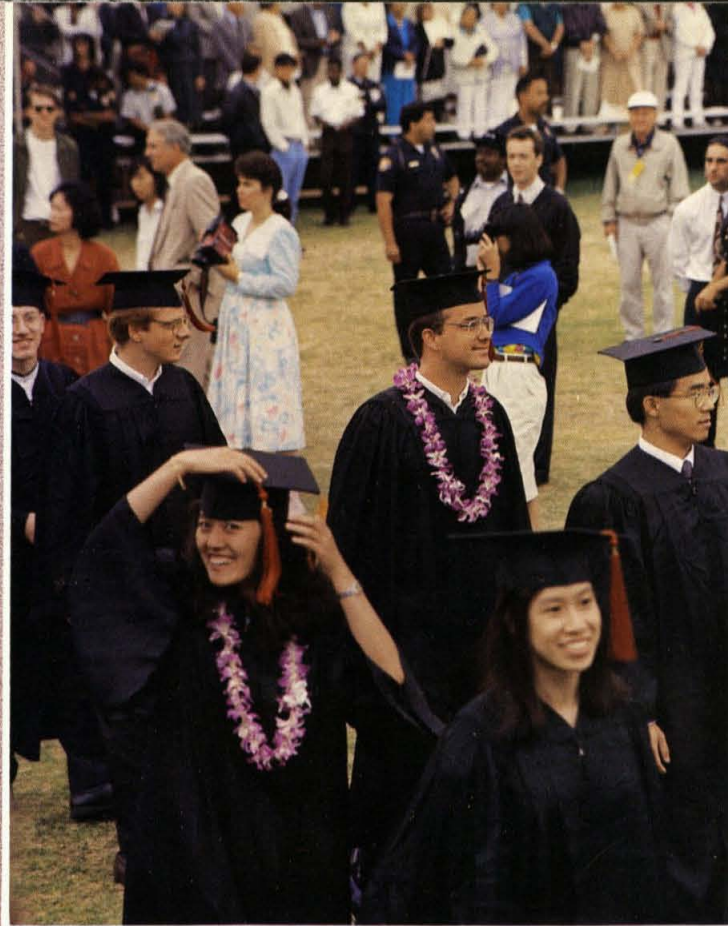
generally left no stone unturned to ensure the Chief's safe arrival.

It was an overcast sky that greeted the crowd early Friday morning and surprisingly the clouds lingered well into Commencement, a phenomenon rare for June in Southern California. Some arrived as early as 7 a.m. in order to get a good seat for the ceremony which was scheduled to start at 10.

Security was tight as expected. Everybody had to go through metal detectors, and all items carried in had to be hand-inspected.







**Clockwise from Bush:**

Yes, it's really him! But did he memorize that entire speech?

Linda Ying wonders whether her tassel is still there.

Annetta Papadopoulos is all smiles during coffee and donut time.

"Yes, I agree, your right profile looks much better."

The Jazz band performs the national anthem as the serious folk worry about security.

Did all these people actually come to see our graduation?



Members of the jazz band performing during the ceremony had to unpack their instruments and play a single note before they could go through!

All the graduates looked good in their black nightgowns and square frisbees. Fleming had their red outfits as usual, and the Moles took advantage of the occasion to pin President Bush's favorite vegetable on their outfits. The undergraduates had orange tassels, the masters black, and those crazy people who managed to create

thesis titles as long as some of our humanities papers had yellow.

A standing ovation greeted the President when he arrived. After a short speech by Governor Wilson, the Chief took to the podium and spoke as shutters clicked, cameras whirred, and two protests rang out in the bleachers. After his speech, he stayed to congratulate Liz Warner (Mabel Beckman Prize) and Jack Prater (Hinrichs), who managed to sneak a hug with the president. Way to go, Jack!

Unfortunately, the president couldn't stay for the rest of the ceremony. As he left, pockets of vacuum appeared in the audience, most notably in the press box, thus our moment at 15 minutes of fame was gone.

Commencement was memorable indeed. Graduating from Caltech is special in itself, and the occasion was made more notable by the President's presence. How many people can say that the leader of the free world himself spoke at their graduation?!





*Some graduating seniors (L to R): Melinda Knox, Emily Lo, Meeten Bhavsar,  
Alecia Chen, Hemant Keny, Yayoi Izumi, Steve Jun*





*Advertisements*



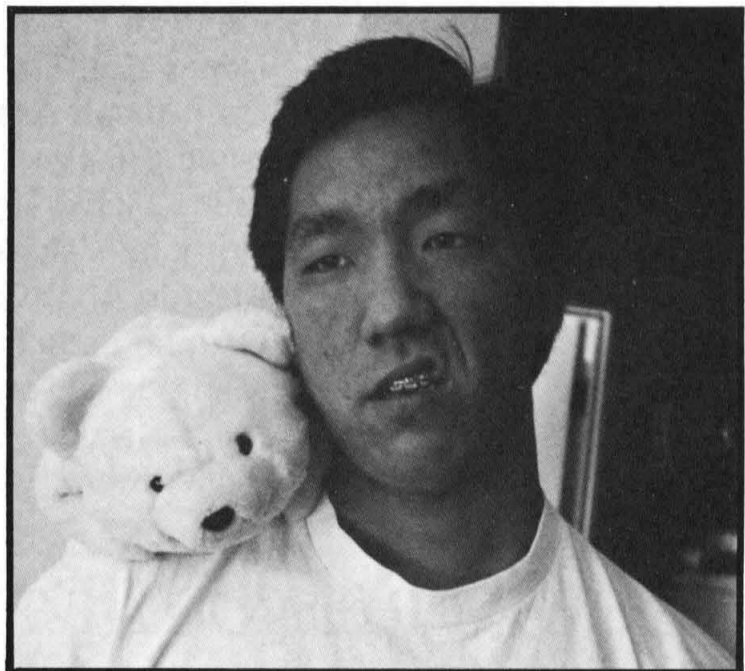
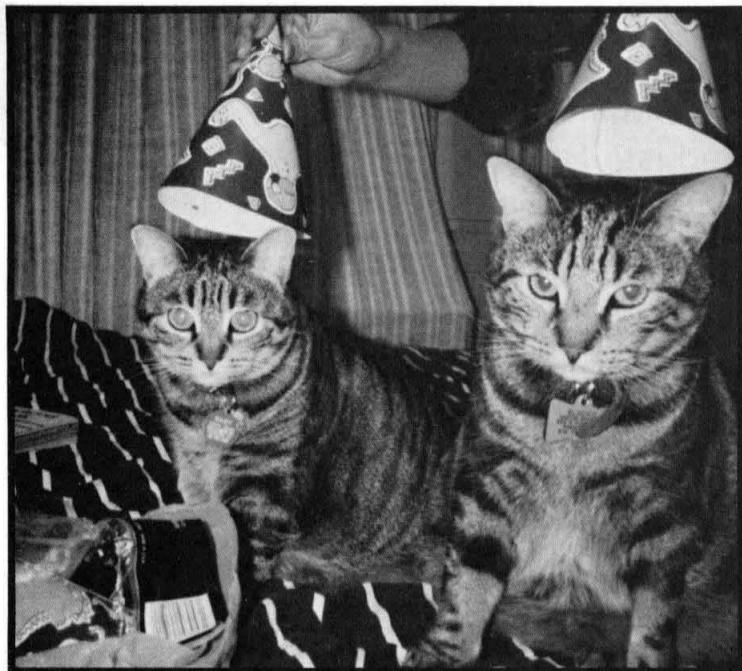


*Standing: Jennifer Jungkuntz, Taletha Derrington, Tammy Brown, Yu-Chien Kuo, Yayoi Izumi, Melinda Knox  
Sitting: Alecia Chen, Jessica Barnett*



## Calvin vs. Hobbs:

(L to R) Michael Smith, Joseph Chiu, Lei Chen, Jessica Barnett, Jennifer Mullin, Jessie Haldeman, Kenneth Wi-berg, Steve Hoekstra, Jennifer Jungkuntz





# Congratulations to the class of 1991

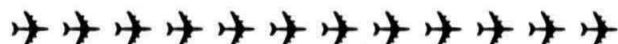
*... a year to remember  
in Caltech's history.*

Best Wishes from  
the President's Office!

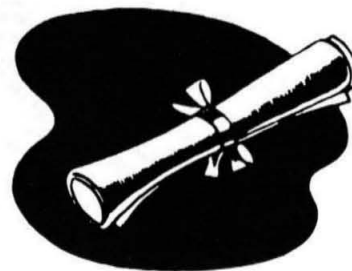


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**Congrats Grads!!!**



## Congratulations to the 1991 Graduates



Nancy Carlton, Manager  
Paul Appel, Assistant Manager  
Linda Chappell, Graduate Housing Coordinator  
Lorrie Mack, Undergraduate Housing Coordinator  
Anthony Valdespino, Maintenance Facilitator  
Ricardo Ang, Custodial Supervisor  
Carmen de la Fuente, Custodial Supervisor  
Maria de la Torre, Custodial Supervisor  
Mina Martinez, Custodial Supervisor  
Javier Mora, Custodial Supervisor

**YOUR FRIENDS AT THE HOUSING OFFICE**



**CONGRATULATIONS**

**CLASS OF 1991**



**CENTENNIAL**

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Clint Dodd - Swimming, Water Polo  
Mike Jackson - Golf, Tennis  
Karen Nilsen - Tennis, Volleyball  
Jim O'Brien - Track, Cross Country  
Wendell Jack - Football  
John D'Auria - Basketball

Gene Victor - Basketball  
Marc Torres - Equipment  
Jaye Tashima - Trainer  
Kathy Hershey - Administrative Secretary  
Bob Townsend - Head Groundskeeper

Dan Bridges - Athletic Director

---

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## Caltech Bookstore



Congratulations and Best wishes to the Class  
of 1991



**Congratulations  
to our  
Graduates**

Chris J. Campo  
David Long  
Timothy I. Melbourne  
Christopher J. Pluhar  
Eric L. Russell  
Kurt J. Storm  
Elizabeth A. Warner

**Geological and  
Planetary Sciences**

Congratulations  
to the  
Class of 1991!

from the

Division  
of the Humanities  
and Social Sciences

Congratulations and Good Luck

We wish the Class of 1991  
the best of everything in the  
years to come

the Division of Chemistry  
and  
Chemical Engineering



# Congratulations to the Class of 1991

Thank you for your many  
contributions to undergraduate  
life at Caltech!

The Office of the Director of Residence Life  
and the Master of Student Houses

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Congratulations and Good Luck  
Graduates  
from

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PUPPETS . SHANGHAI ROD PUPPETS . ROBERT MINDEN ENSEMBLE .  
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MARNI NIXON . CAPITOL STEPS . WE TELL STORIES**

Call the Caltech Ticket Office at (818) 356-4652 for brochures on all  
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# CONGRATULATIONS!

to all of the

**GRADUATING SENIORS**

*You've finally made it !!*



from your friends at

**The Physical Plant Department**



Congratulations and Best Wishes  
1991 Graduates

*from the*

CALTECH  
*Alumni*  
ASSOCIATION

**CONGRATULATIONS GRADS**



The  
Registrar's  
Office

CONGRATULATIONS  
and  
GOOD LUCK  
to the  
Class of 1991



From the Staff of  
the Industrial Relations Center



# CONGRATULATIONS GRADUATES

The Caltech Service League was founded in 1947 for the purpose of promoting the welfare and happiness of Caltech Students. Many of the members are parents of current or former Caltech students, or are families of staff members of Caltech or JPL, but any person sympathetic to students is cordially invited to join.

Some of the League's contributions to the Caltech community this last year includes:

## **Freshman Parent's Day**

In cooperation with the Institute, the Service League sponsors a freshman parent's day, an orientation program to introduce freshman parents to the Caltech community. This all-day event features a panel discussion, lunch, a tour of the campus, and a tea.

## **Student Activities**

The League gives financial aid to student groups such as the Glee Club, various instrumental groups, the ASCIT drama production, the **California Tech**, the **little t**, the **Big T**, and the Caltech Y.

## **Decompression Evenings**

In cooperation with the Caltech Y, the Service League has helped with "Decompression Evenings," an open house in Winnett Student Center during each of the final examination periods. All students are invited to take a break from study, and drop in for conversation, music, games, and a snack. The Service League gives a financial donation toward the supply of food, such as milk, fresh fruit, and vegetables.

## **Thanksgiving Dinners**

Each undergraduate and graduate student house is given funds for a complete Thanksgiving Dinner.

## **Christmas Boxes**

Large, decorative boxes laden with home baked goods, nuts, fruit, and food staples are given to all student houses at Christmastime.

## **Well Baby Clinic**

For students, postdocs, and research fellows with families, a well baby clinic is available for children up to the age of two years. Checkups and immunizations may be received for a nominal fee.

## **Baby Furniture**

Students may borrow cribs, strollers, and other equipment needed by their small children. If the supply is large enough, research fellows and visitors to the Institute may also use this equipment.

## **Plant and Bake Sale**

To augment its income, the Service League holds an annual Plant and Bake Sale.

Those interested in joining the Caltech Service League, or who have suggestions about how they can be of help to students can contact the Service League by writing to:

**Caltech Service League 104-6**  
**California Institute of Technology**  
**Pasadena, CA 91125**



# CONGRATULATIONS

while  $n \neq 1$  do

if even (n) then  $n := n/2$  else  $n := 3n + 1$

to the

GRADUATING SENIORS

in

ENGINEERING & APPLIED SCIENCE

from the Faculty and Staff of the Division

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**CONGRATULATIONS  
AND  
GOOD LUCK  
TO THE  
CLASS OF 1991**

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**FROM THE  
FACULTY AND STAFF  
OF THE  
PHYSICS,  
MATHEMATICS  
AND  
ASTRONOMY DIVISION**

---

---

Good-bye and Good luck!

*Golda, Trusty, and Sylvester  
Bernstein*

*Eugene Lit - a man who hopes that  
brain surgeons get free tickets to  
numerous events.*

*Sam Dinkin -*

♣ 86	♣ A9532
♥ AJ107	♥ 8
◇ 1042	◇ AQ9
♣ K1073	♣ Q965

*Dave Geraghty - a man who should  
bypass Cornell and pursue a career in  
auctioneering.*





**CONGRATULATIONS SENIORS!  
GOOD LUCK, CLASS OF 1991**



The Dean's Office

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*Graphic Arts Facilities  
wishes the 1991 Graduates  
the Best of Luck*



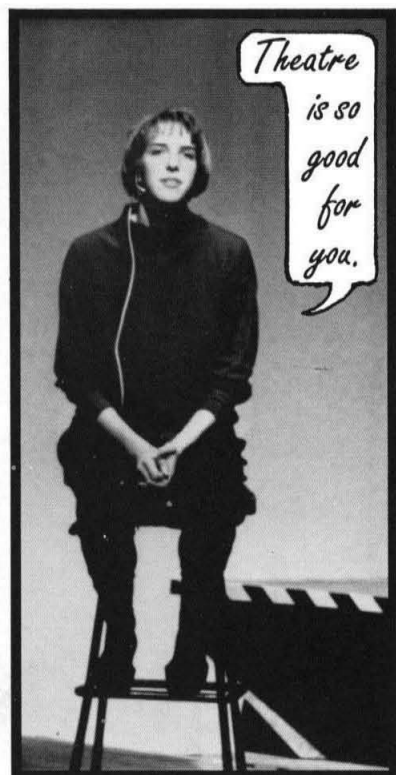


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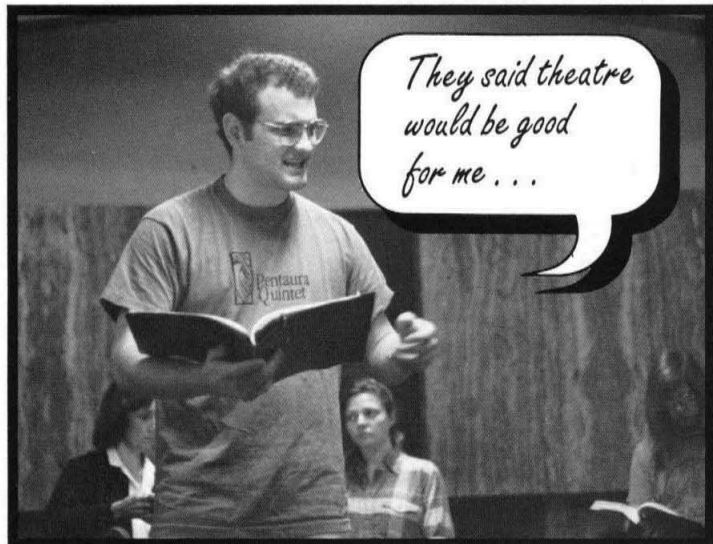
OUR ALUMMS CUM ACTORI! and ALWAYS RE-



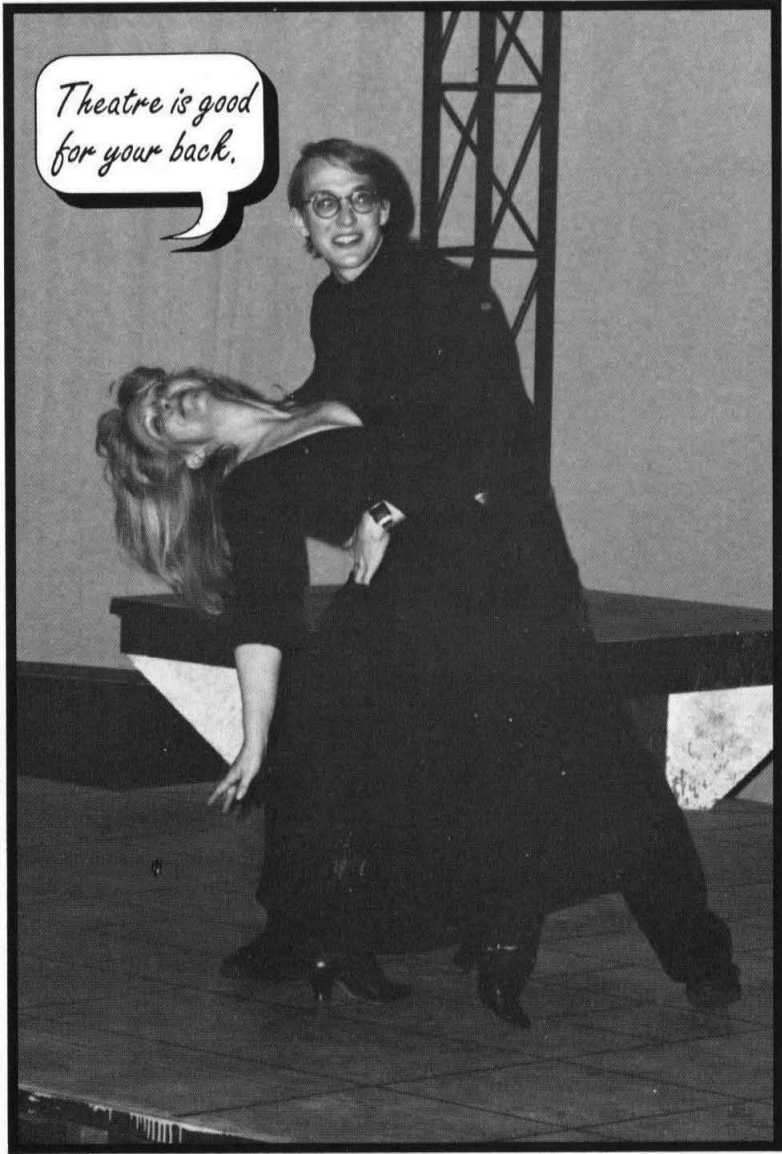
*Theatre is good for you.*



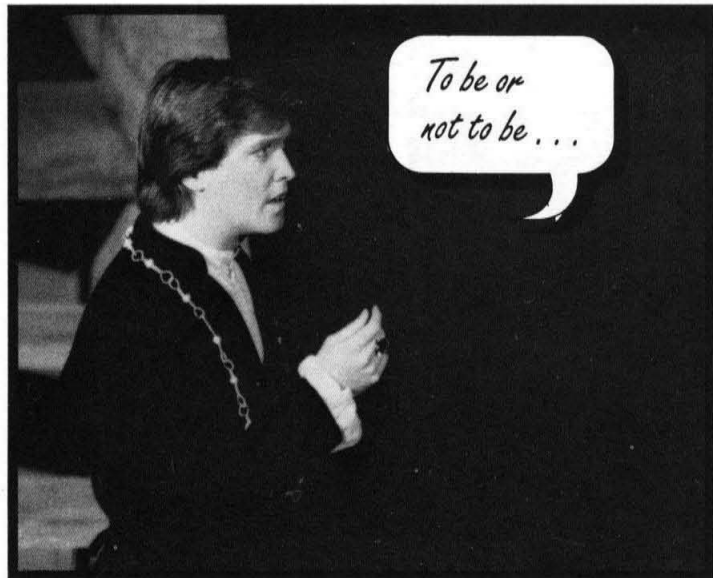
*Theatre is so good for you.*



*They said theatre would be good for me...*



*Theatre is good for your back.*



*To be or not to be...*

MEMBER... WHAT'S GOOD FOR YOU?





---

*Congratulations Graduating SURFers!*



From the SURF Team  
Terry Cole, Susie Clark, Carolyn Merkel, Joan Spears, Fred Shair



## WE ♥ BOOKS!

An outstanding institution like Caltech deserves an outstanding library. The Friends of Caltech Libraries (FOCAL) help in promoting the Caltech libraries by raising funds to supplement library purchases and services. We also have fun enjoying fascinating speakers at our Fall Dinner and Spring Luncheon and other special events.

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CONGRATULATIONS TO THE CLASS OF 1991!

*Friends of the Caltech Libraries*

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# CONGRATULATIONS

**to the class of 1991  
and best wishes  
for a great future!**



## The Faculty





# Congratulations and Good Luck



from the Career Development Center

Rosana Gatti, Sally Asmundson, Sheryl Mercer, Carol Casey, Dianne McLaughlin

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## CONGRATULATIONS TO THE CLASS OF 1991!



**THE BEST OF LUCK TO ALL OF YOU**

**STUDENT ACTIVITIES  
CENTER**

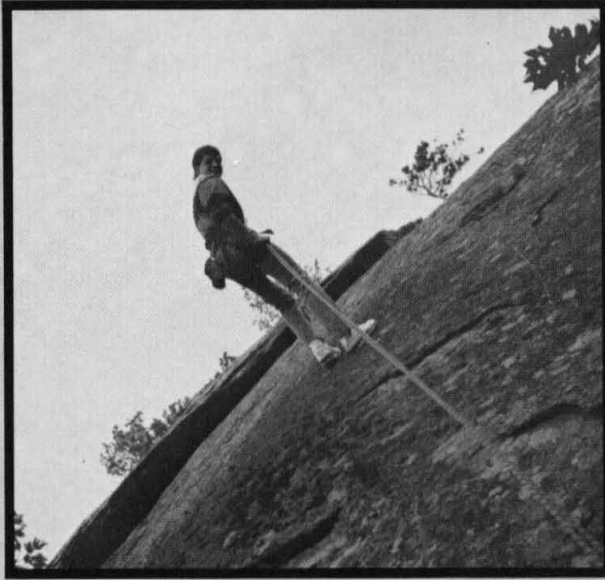




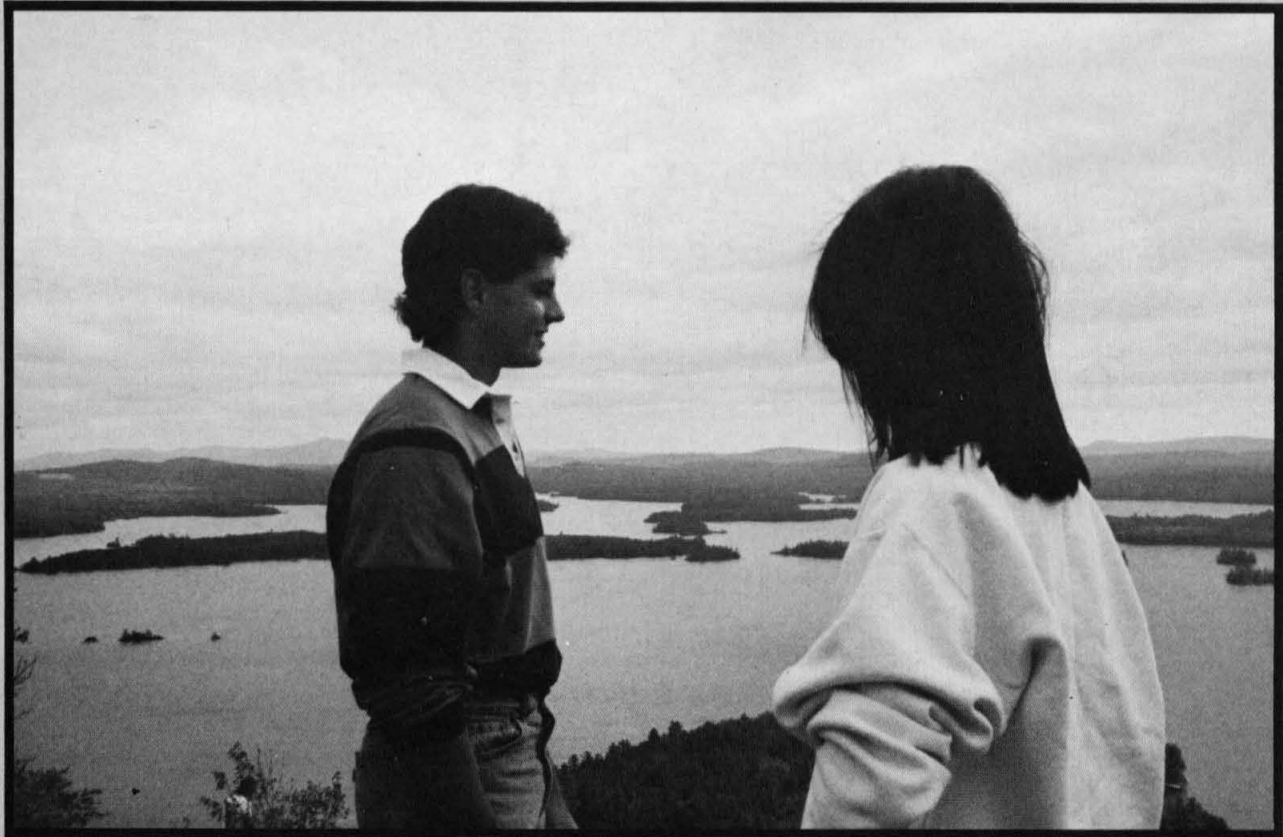
IT TAKES A NATION OF  
MILLIONS TO HOLD  
US BACK

**Congratulations Class of 1991!**





## Joe and Alecia take a veritable walk . . .

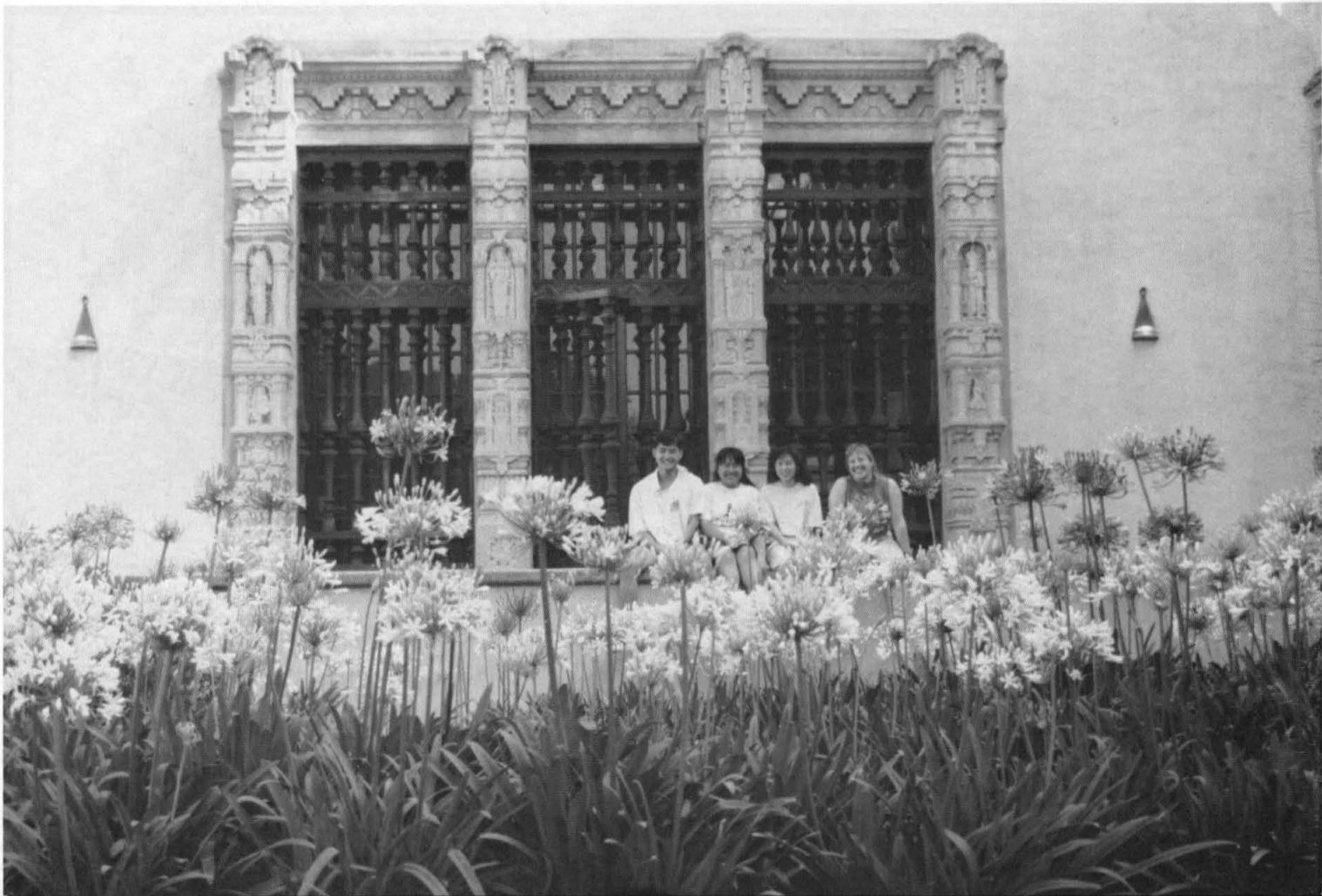


The 1991 Big T Business Managers quit: Joseph P. Caroselli and Alecia J. Chen

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## -Acknowledgements-

The editors wish to express their many thanks to **Corey Mundwiler**, the advisor from Taylor Publishing Company, for his help, advice, and patience; to the **Caltech Archives**, for all the invaluable historic Caltech pictures; to **Galvin Claypool** and **Sonny Arcilla**, for technical expertise; to the **Athletic Office**, especially to **Karen Nilsen**, for all the pictures and assistance in the Sports section; to **Sarah Yoder**, for adding some artistic drawings to our layouts; to **Bob Paz** and **Pat Orr**, for some hard-to-find pictures; to **Pete Caylor** and **Alan Low**, for their computer assistance; to **Hall Daily**, **Jeanine Conneally**, **Jim Barry**, and **Kristy York**, for their help; to all the writers, photographers, and house section editors, for their contributions; and to the countless others who have helped us.



Editors:

Emily Wen, Celina Mikolajczak, Daniel Pang, Michelle Tseng



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Michelle Tseng  
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# -Colophon-

The Big T is the annually published yearbook of the Associated Students of the California Institute of Technology, ASCIT. The 1991 Big T, "*A New Century*," was printed by Taylor Publishing Company, Dallas, Texas, and had an initial press run of 900 copies, 312 pages. The Taylor Publishing representative was Corey Mundwiler.

The book is printed on 80 lb. double-coated enamel paper. The cover is a special silk-screened design using Brown Lexatone base material with a special PMS 468 silk-screen color with additional elements in Pewter hot foil stamping. Cover is cased-in with 150-pt. bindersboard. Passport Soapstone stock was used for the endsheets. All body copy and captions are printed in 10 and 9 pt. Times New Roman PS, respectively. Headlines are in University Roman and division titles and theme are set in Kaufmann. Pantone is used as background in the introductory, academic, clubs, sports, and conclusion sections.

The cover drawing is by Ms. Terri Asher. The four-color enlargements are done by JLN Studio in Pasadena.

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# THE END





