

The image features a vibrant, abstract geometric design. The background is a bright yellow with a fine, woven texture. Overlaid on this are several thick, solid orange lines that form a large, stylized letter 'T'. The 'T' is composed of a horizontal bar at the top and a vertical stem extending downwards. The lines are parallel and create a sense of depth and movement. In the bottom right corner, the text 'The Big T' is printed in a classic, serif font, colored in a matching orange hue.

The Big T

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The Big T

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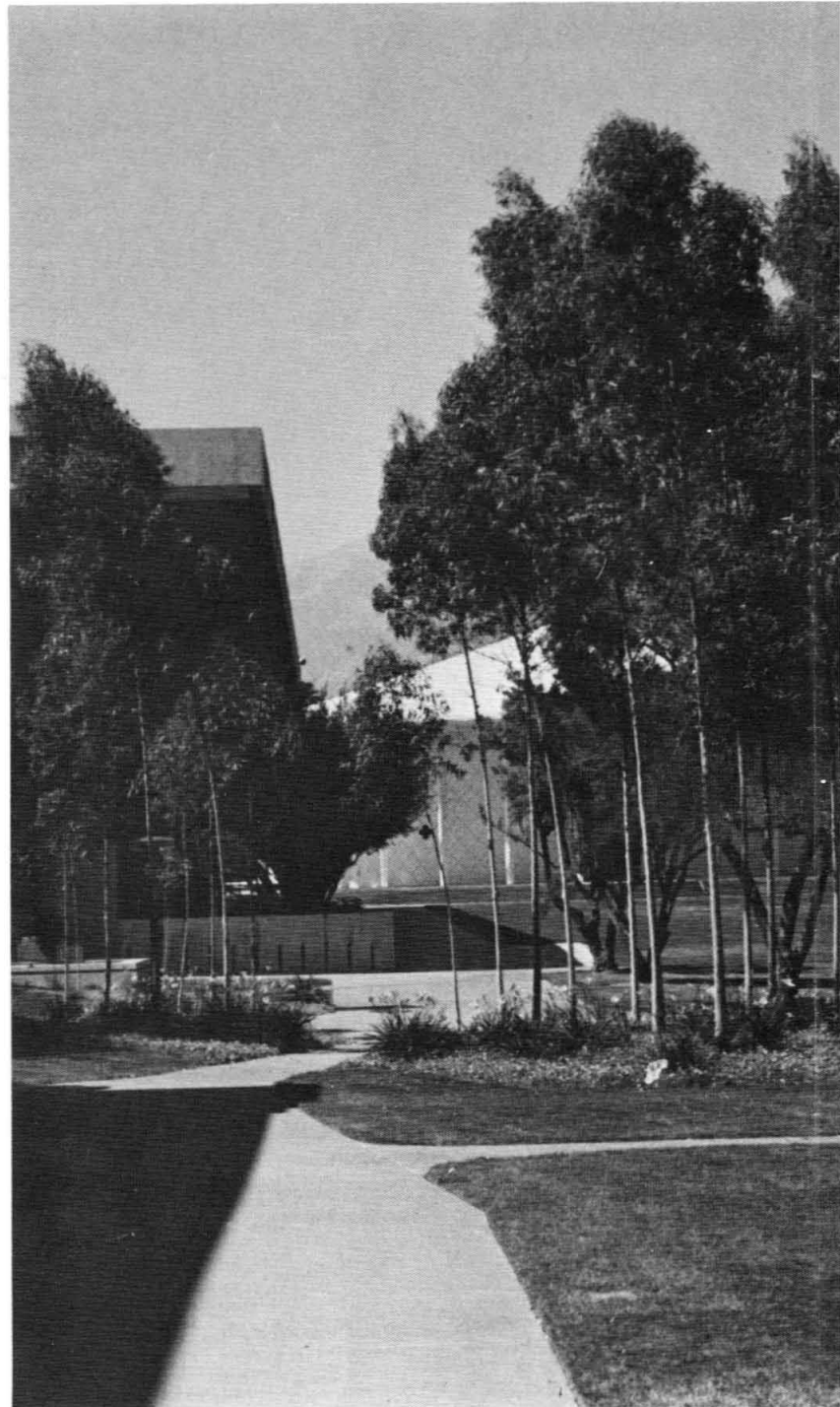
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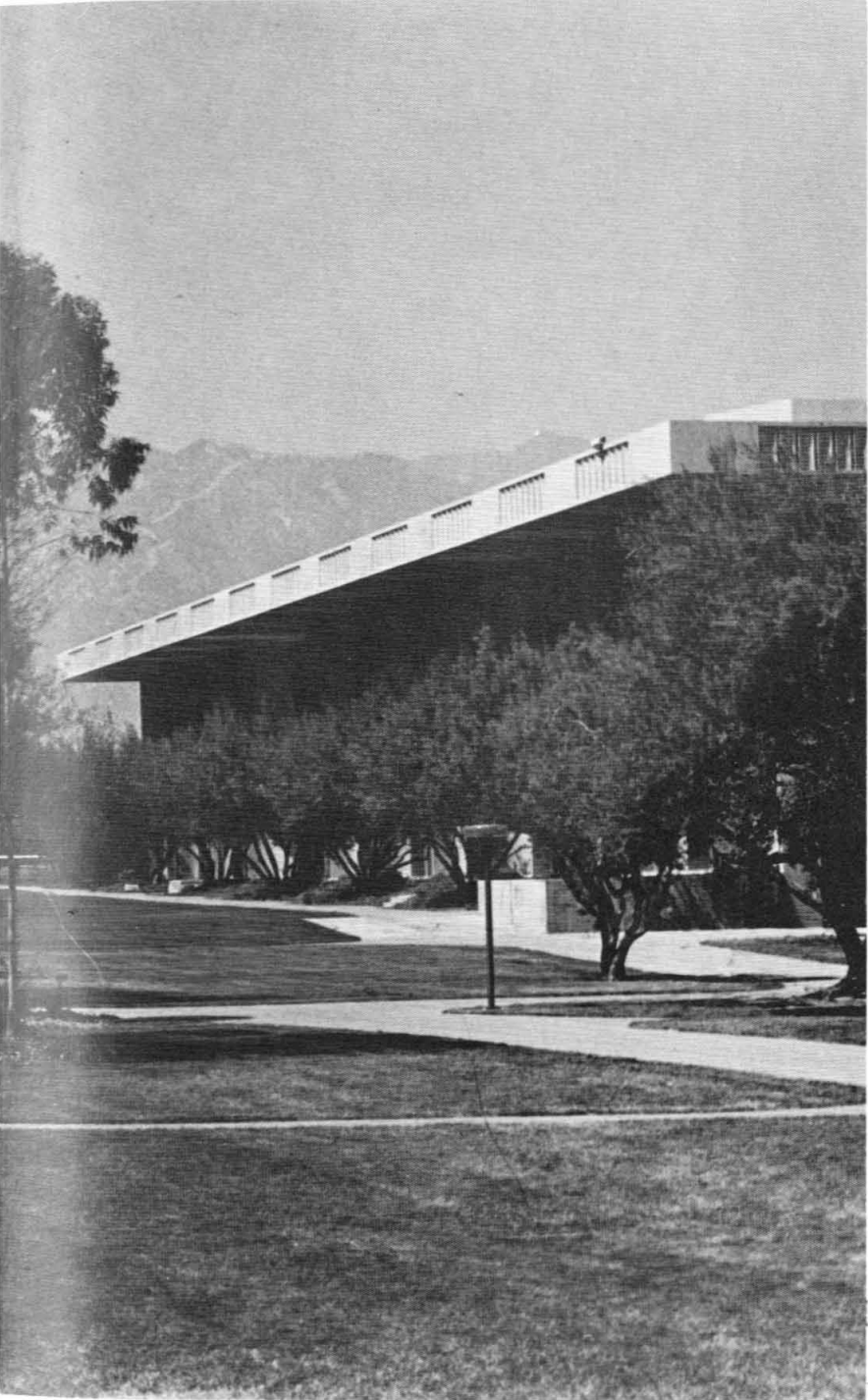
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Endsheets, page 1 photo, fireworks photos on pages 12 & 24, zoom lens photo on page 16, Night photo on page 17, underwater photo on page 35, pond and tree photos on page 5; © DAVID WHEELER 1977

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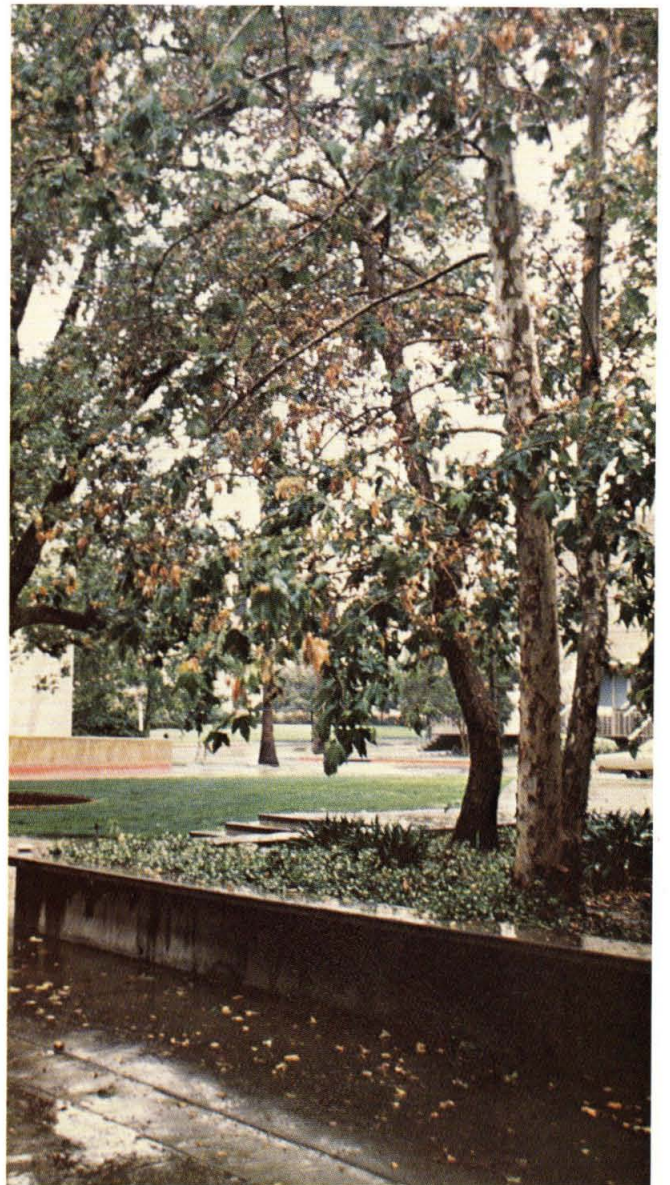
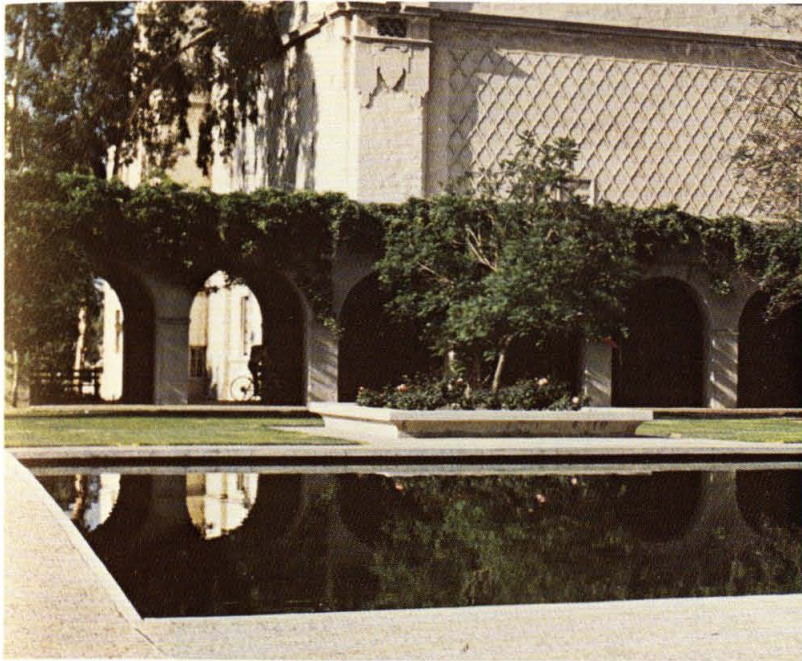


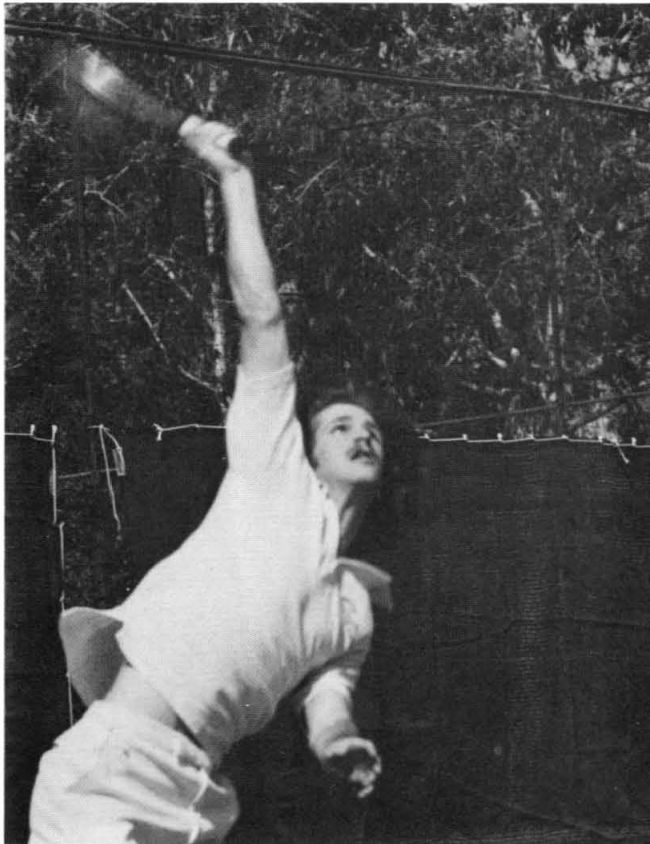
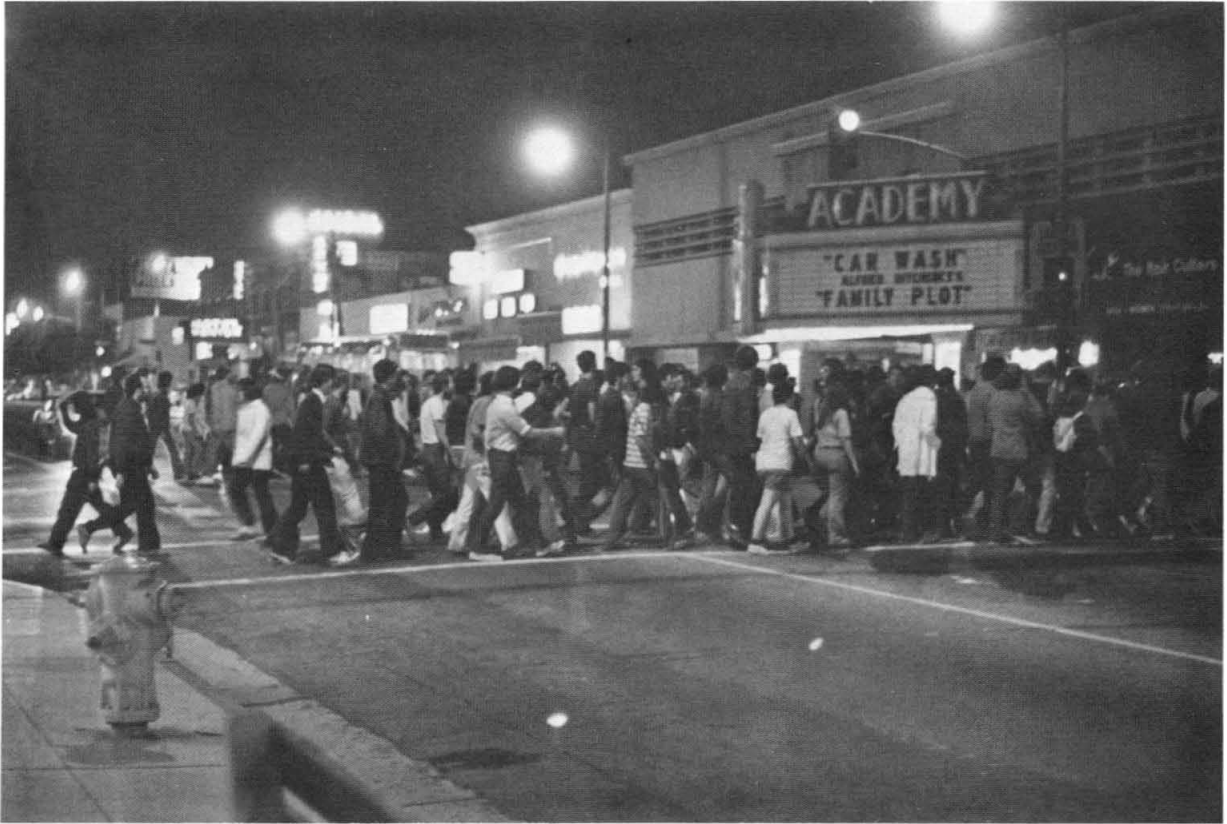


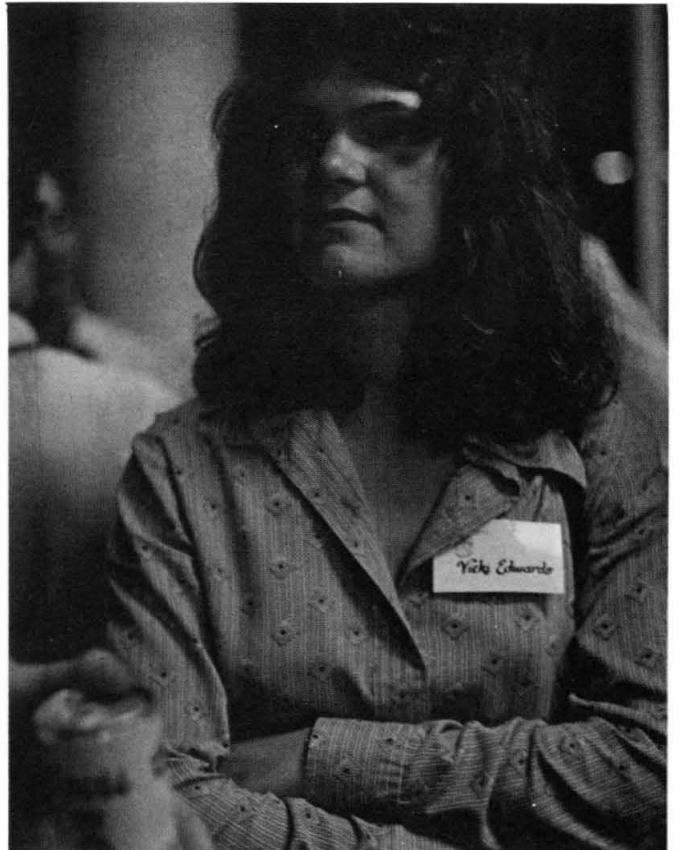
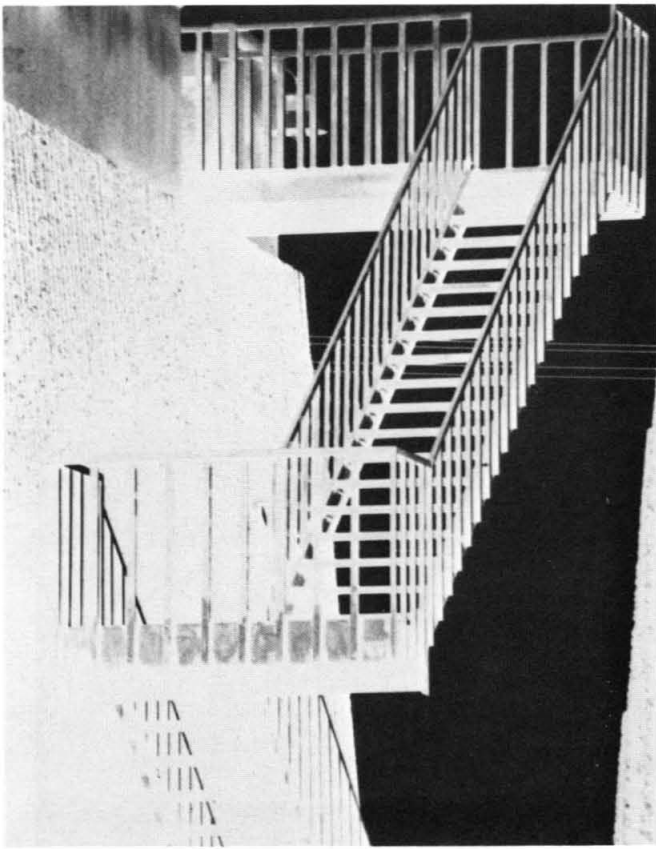
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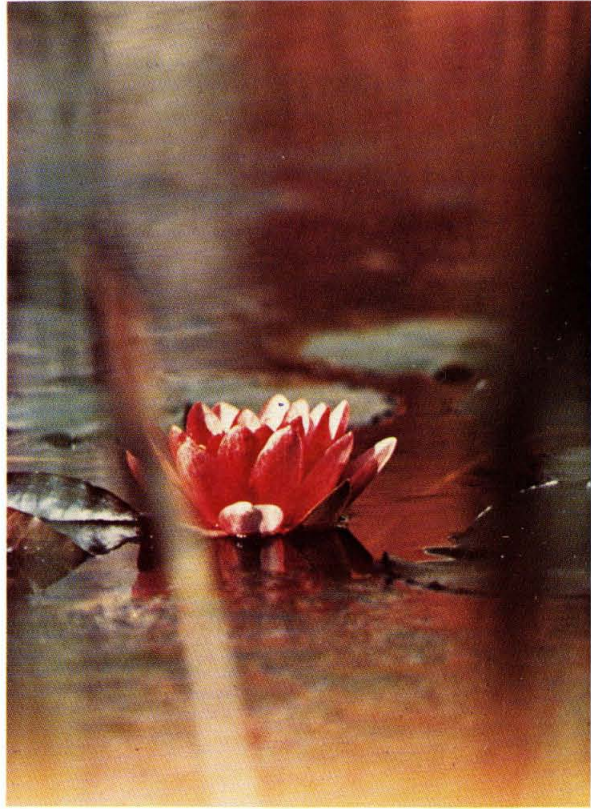
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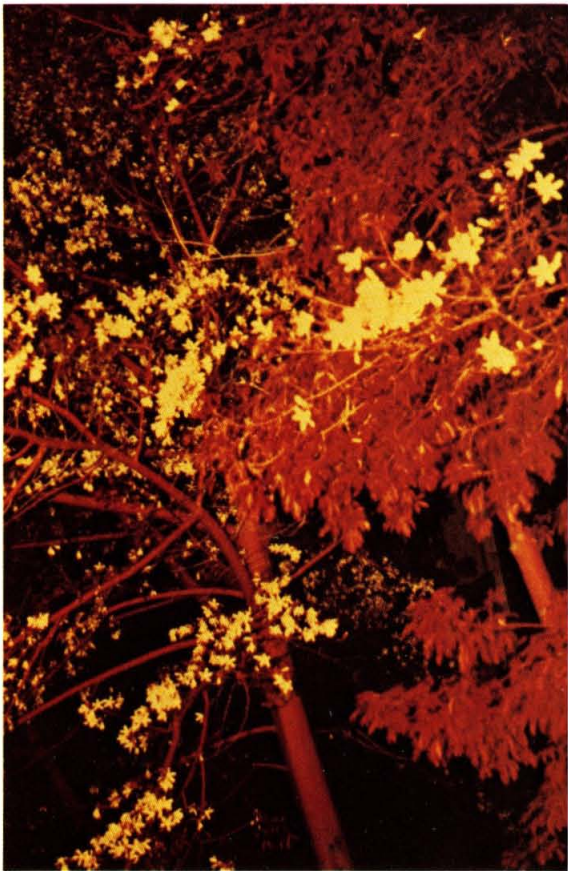


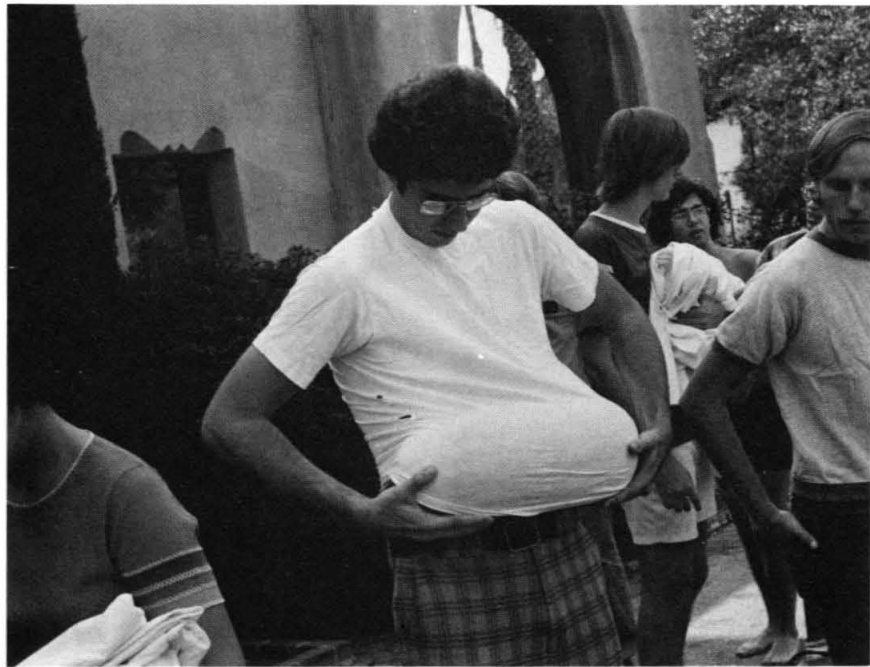


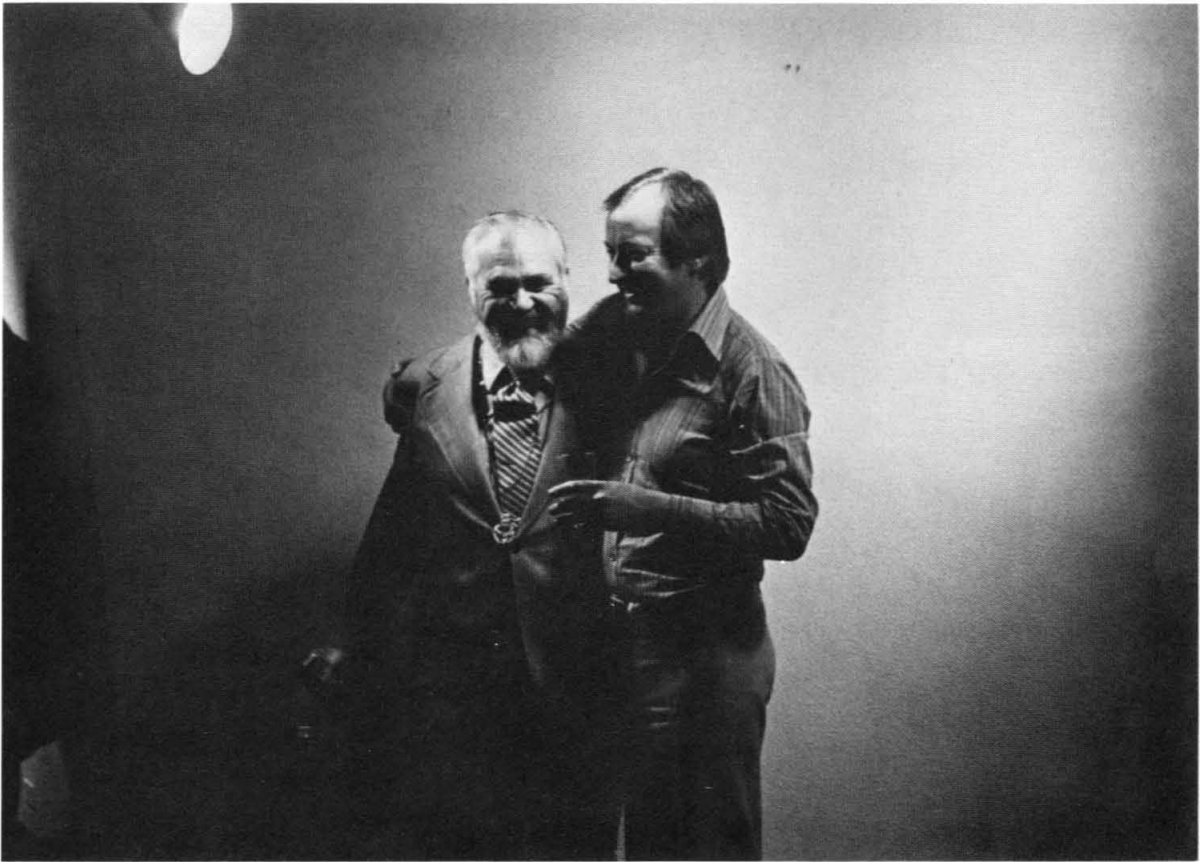




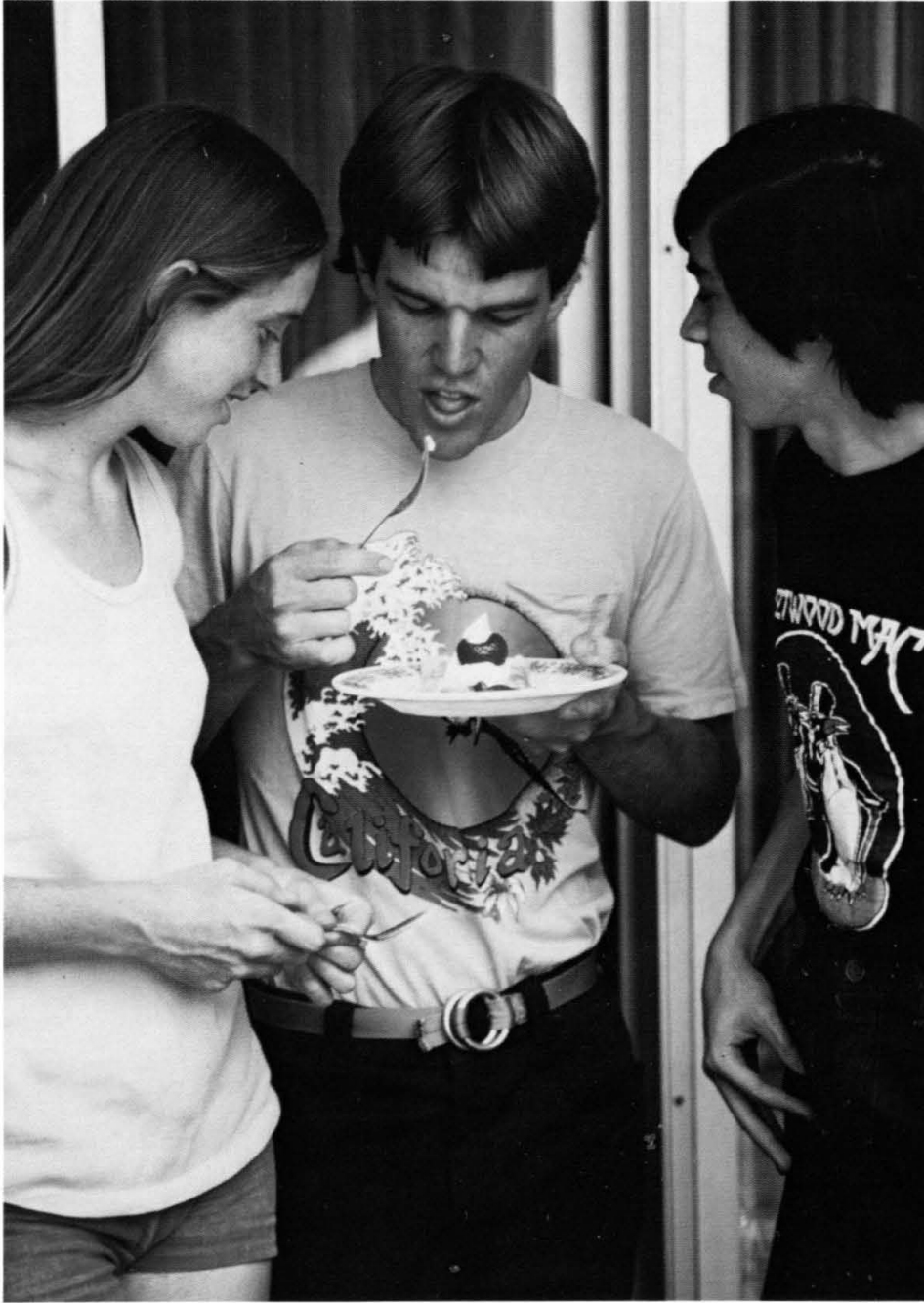


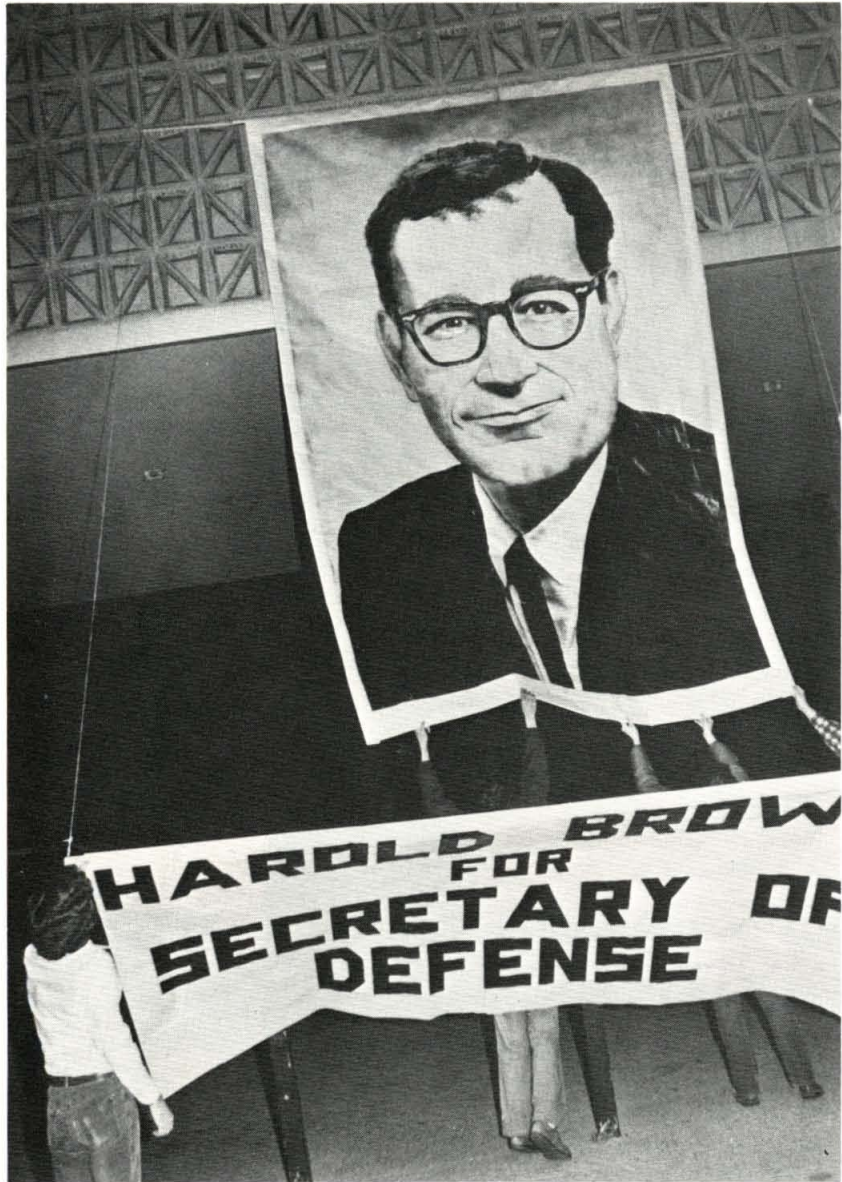


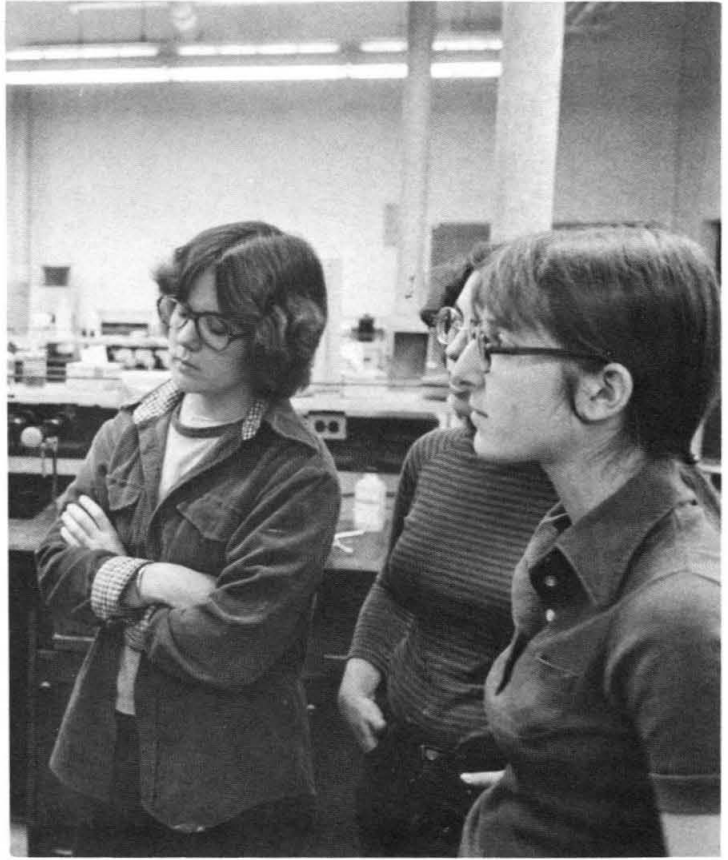


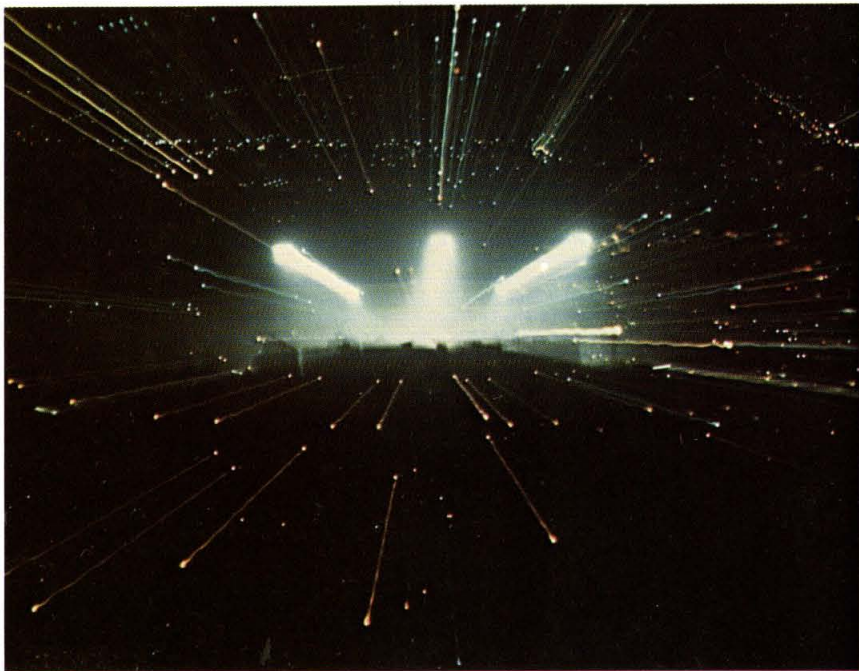
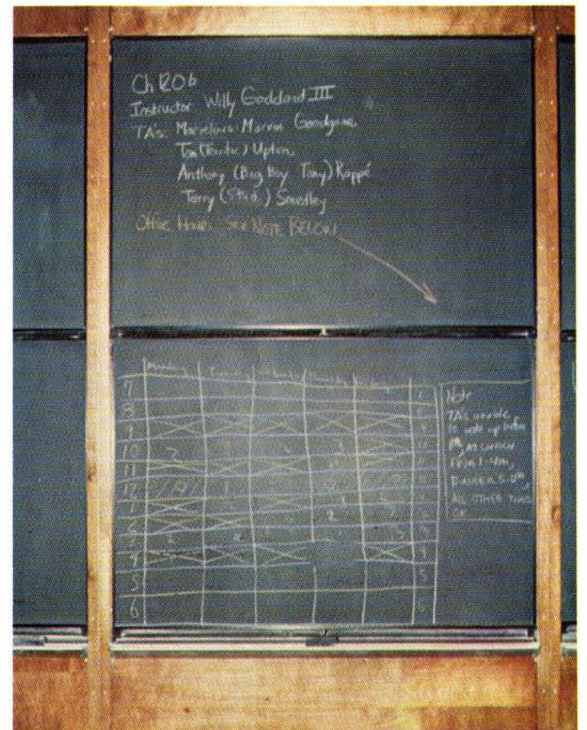
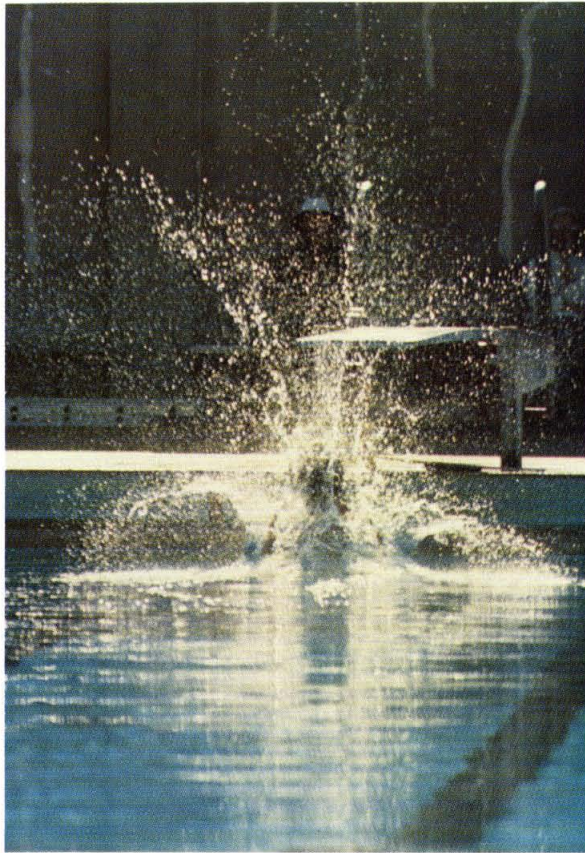


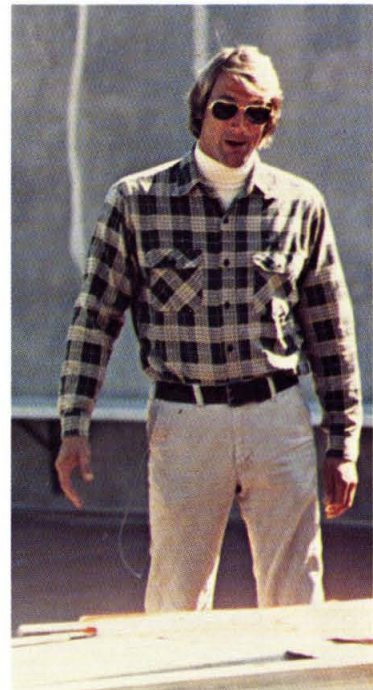


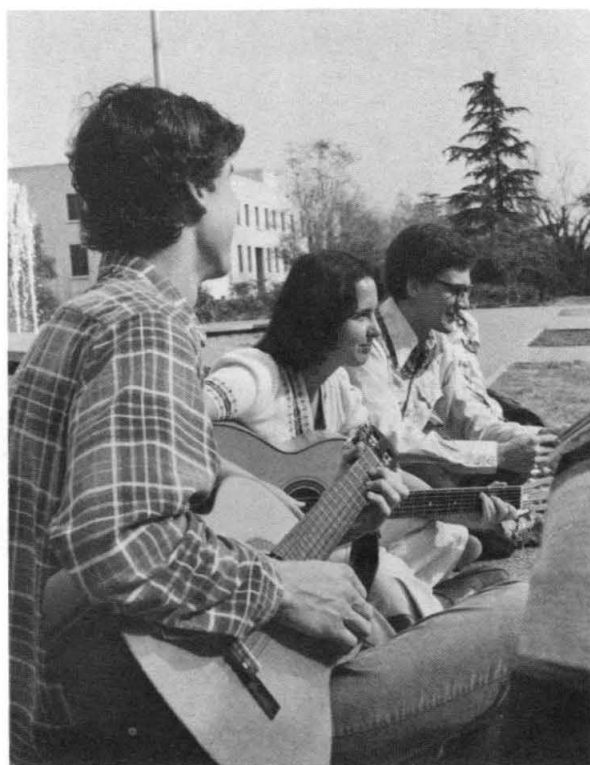
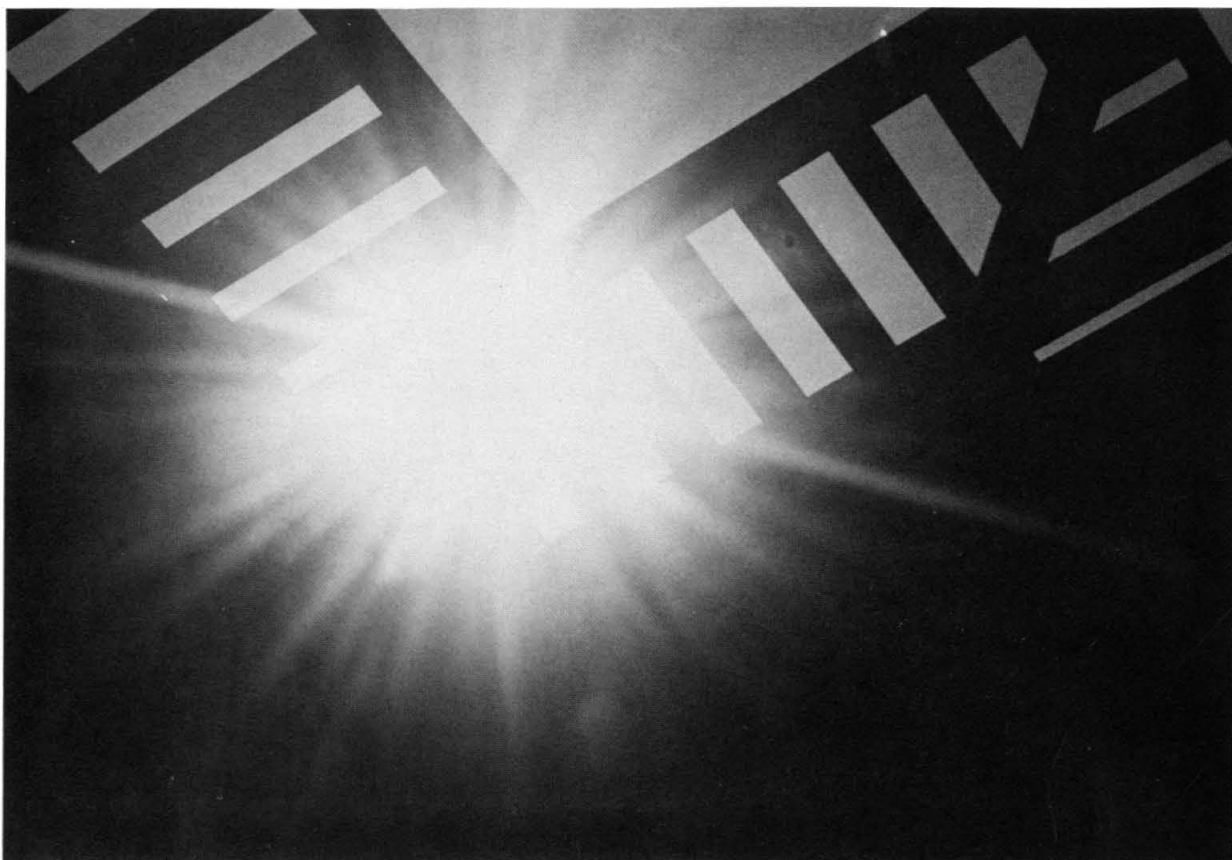


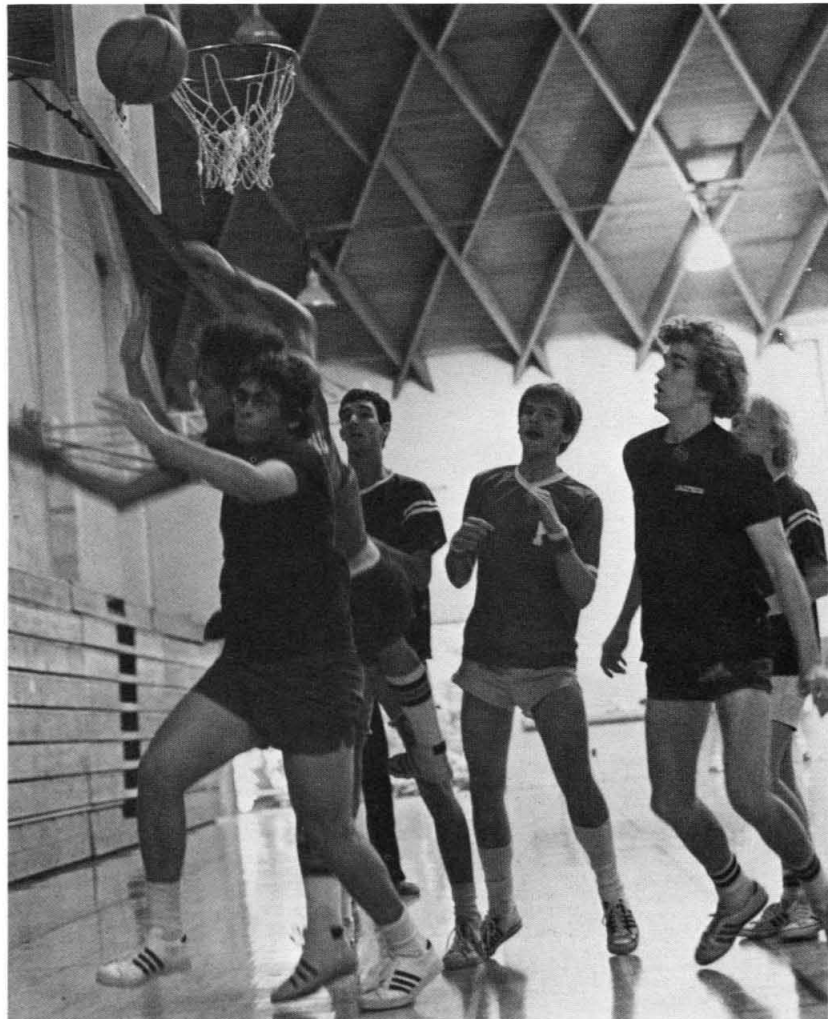
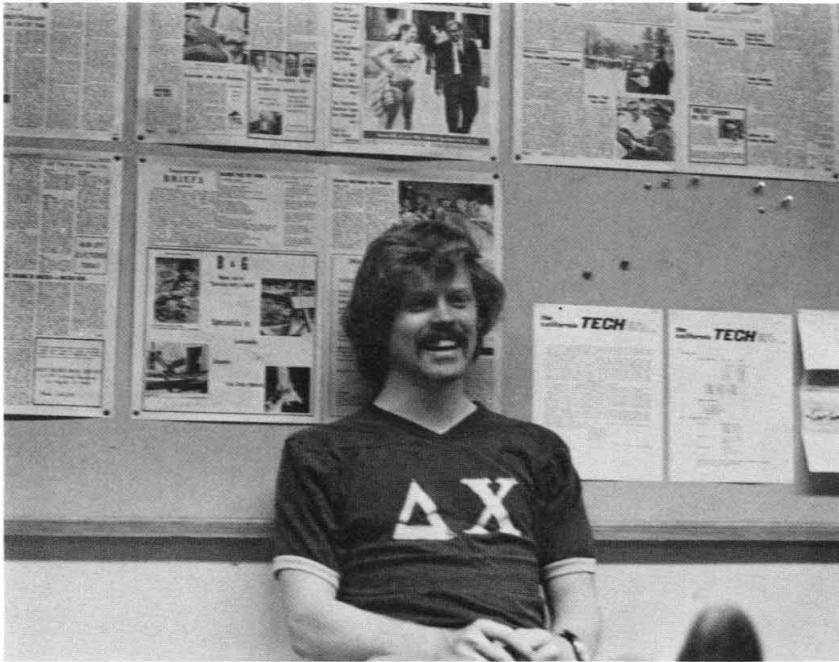


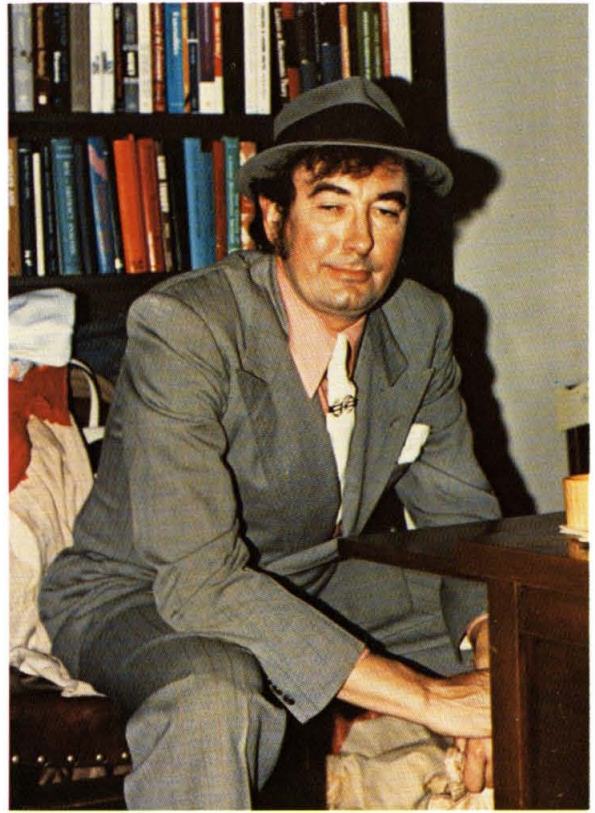




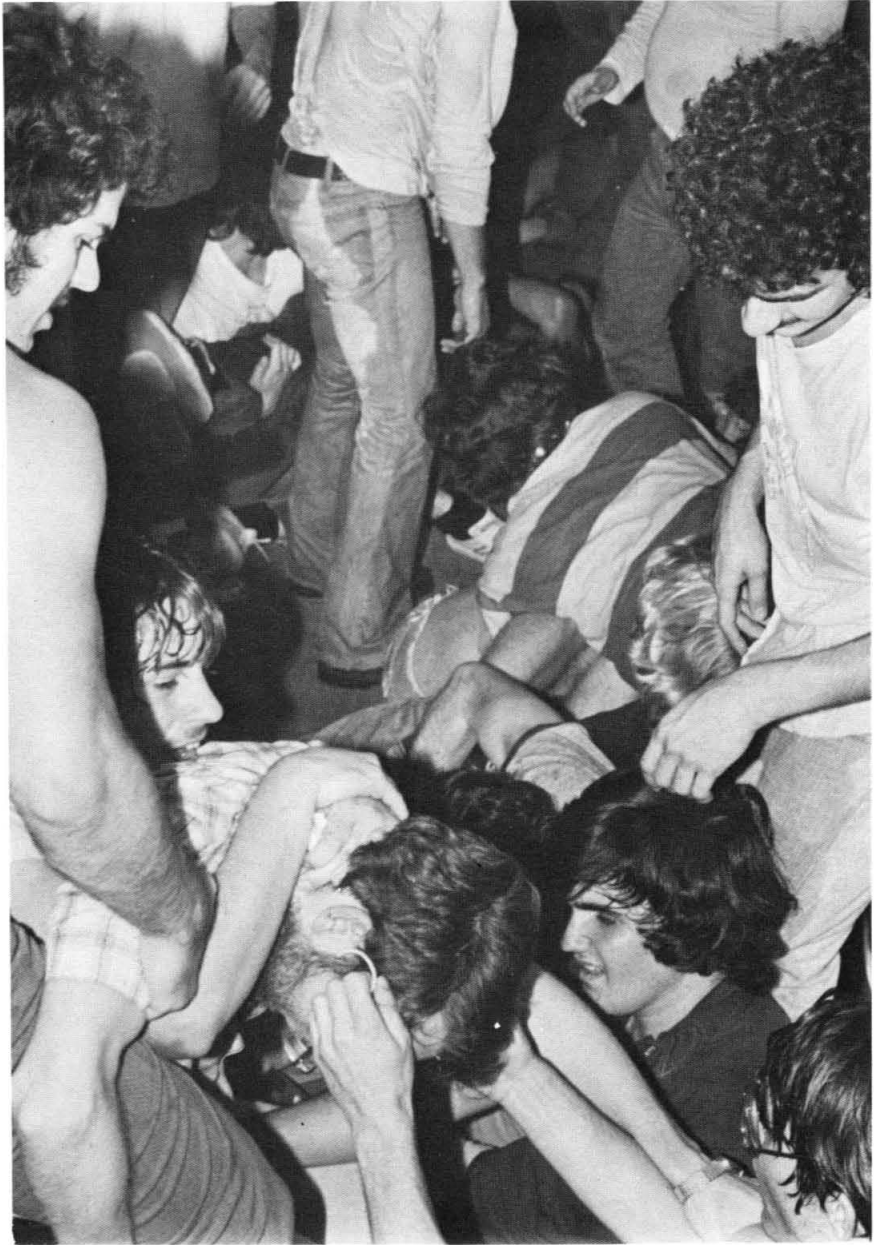


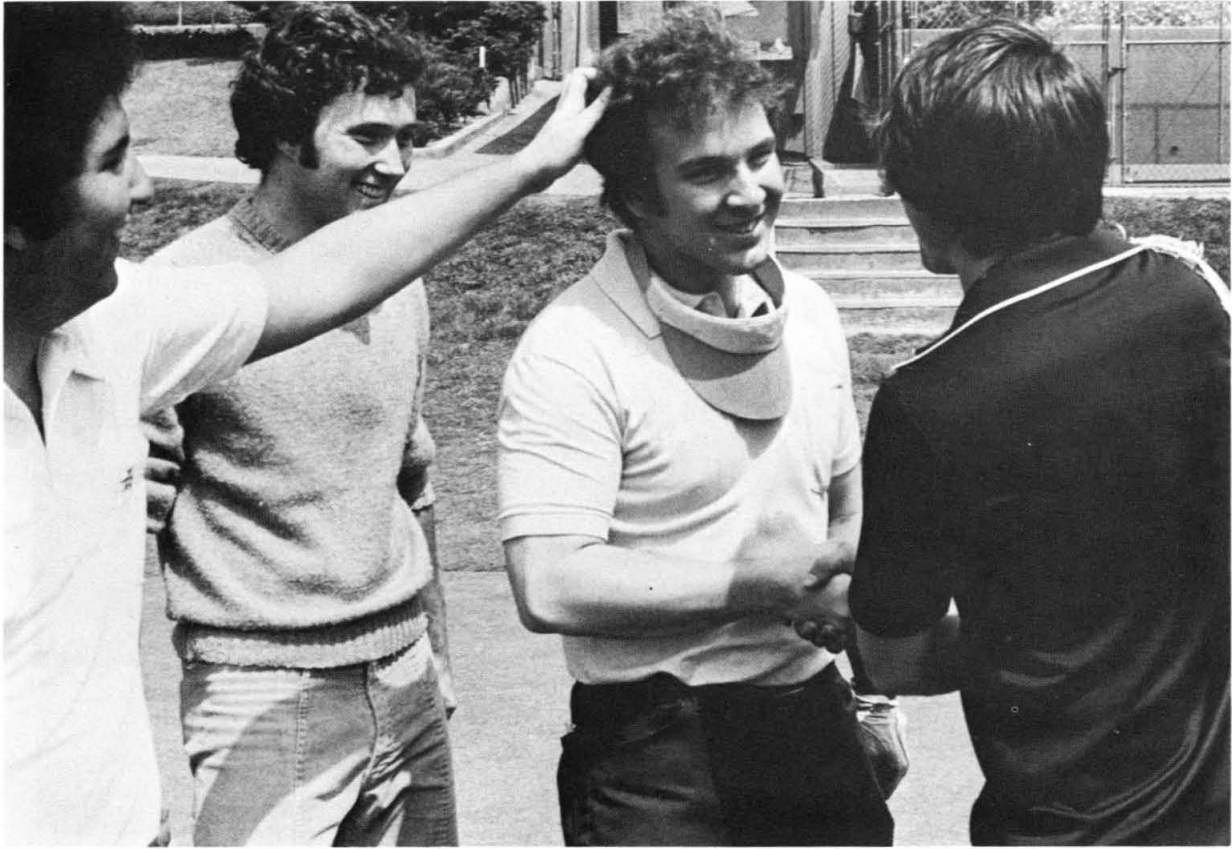




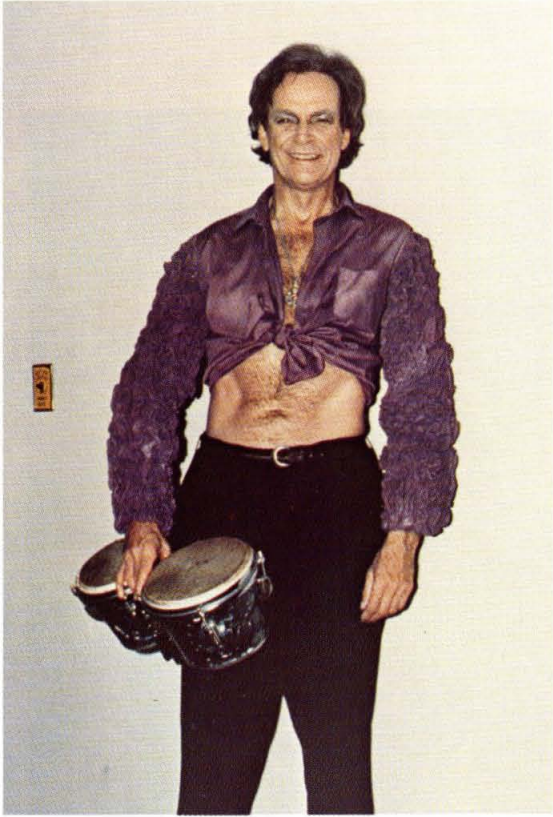


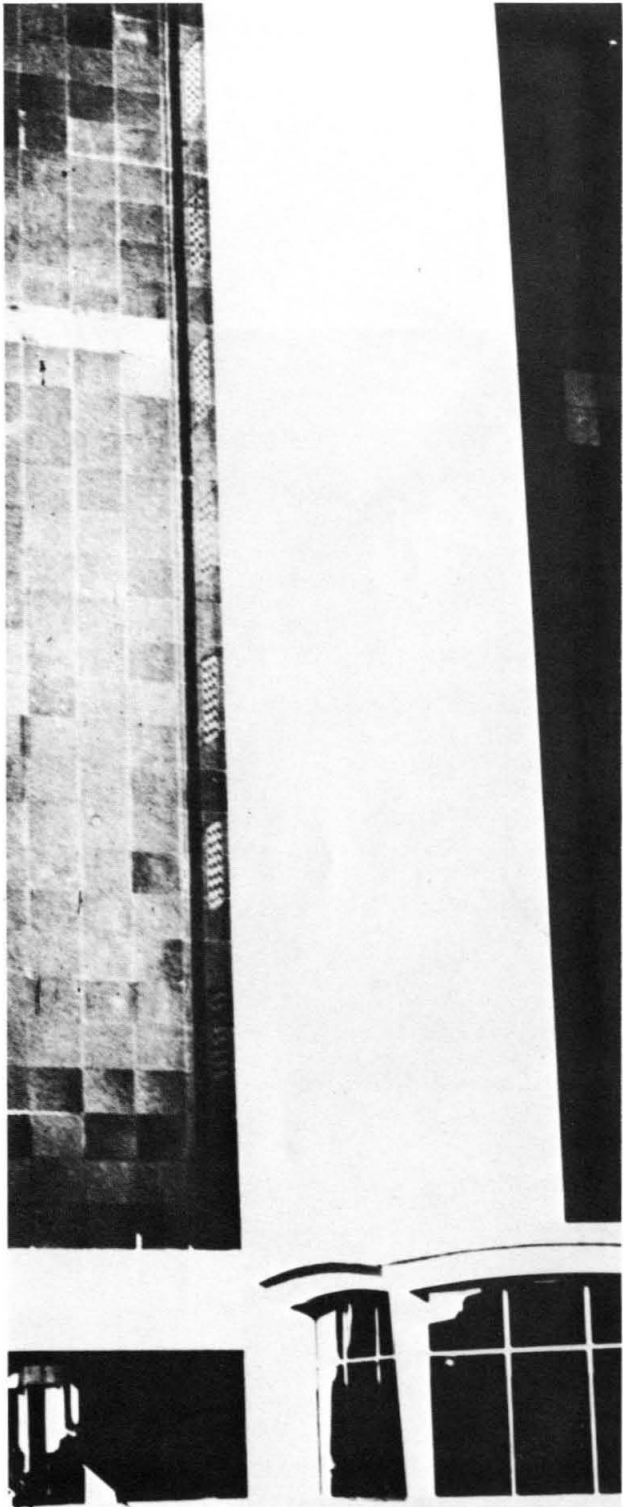








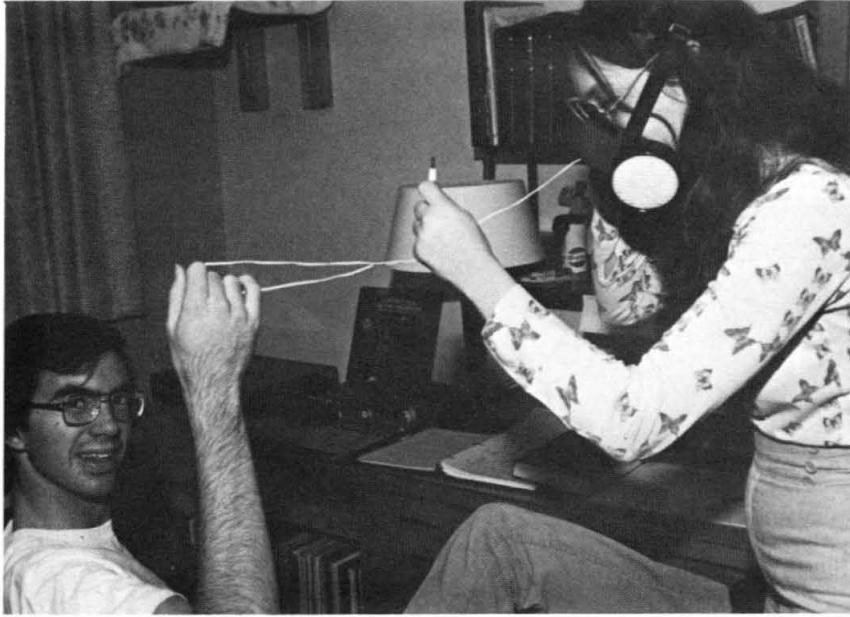




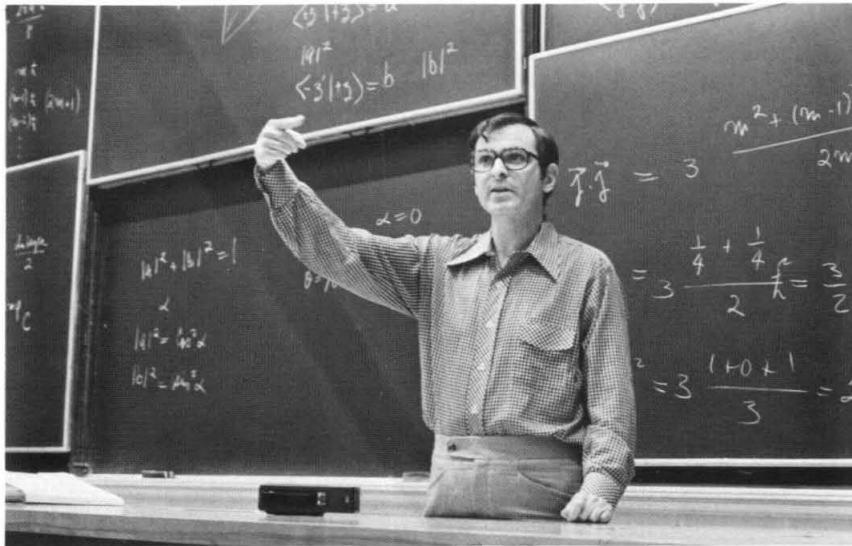


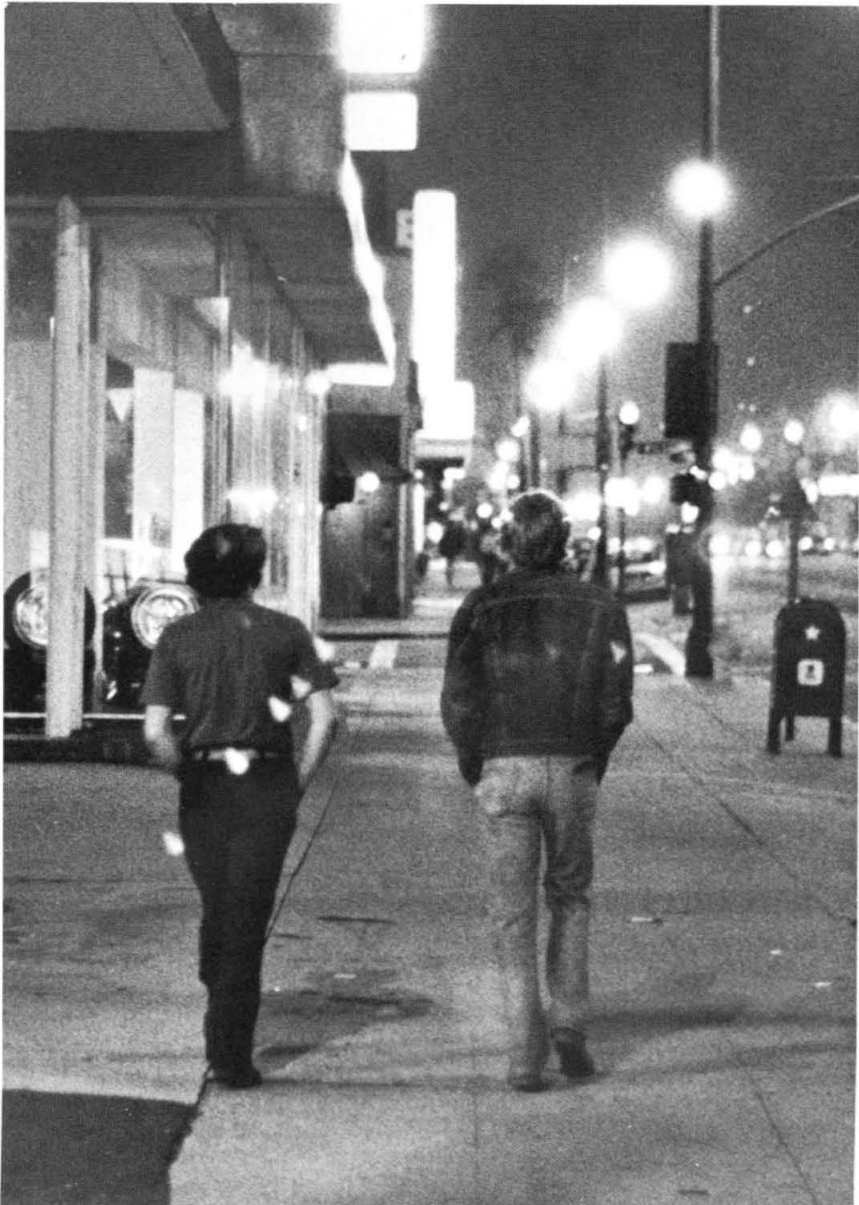




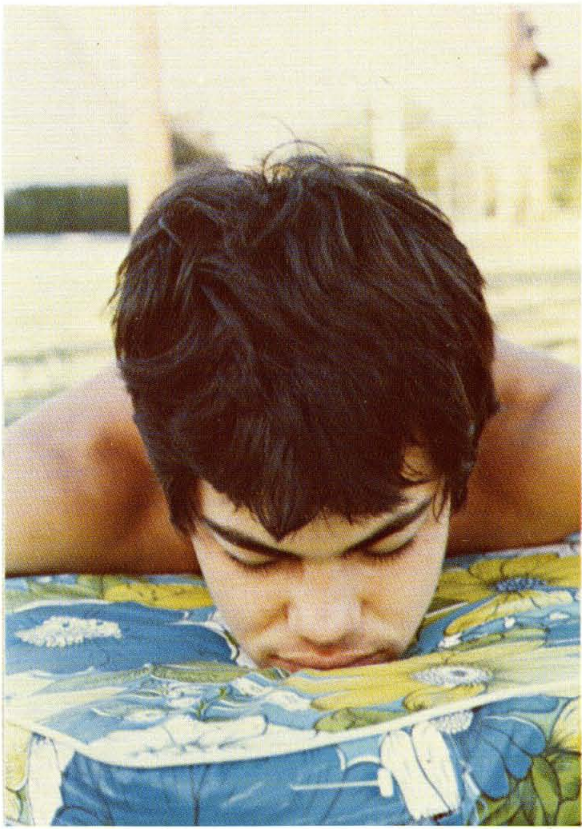
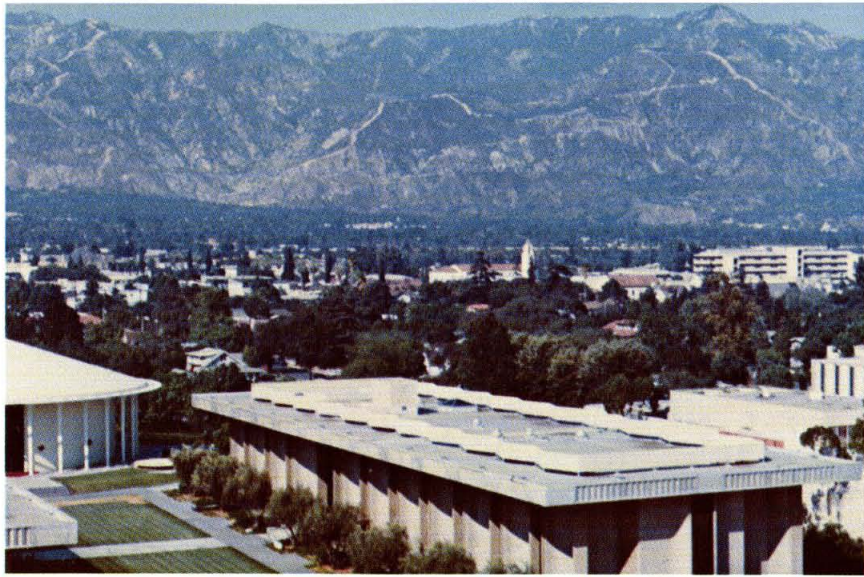










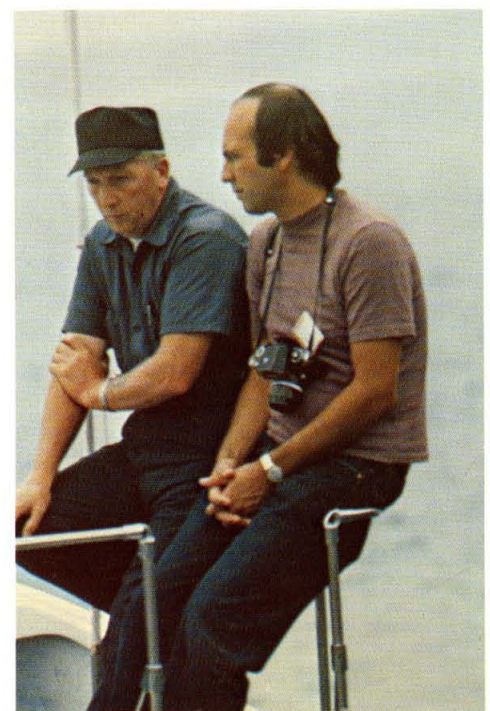




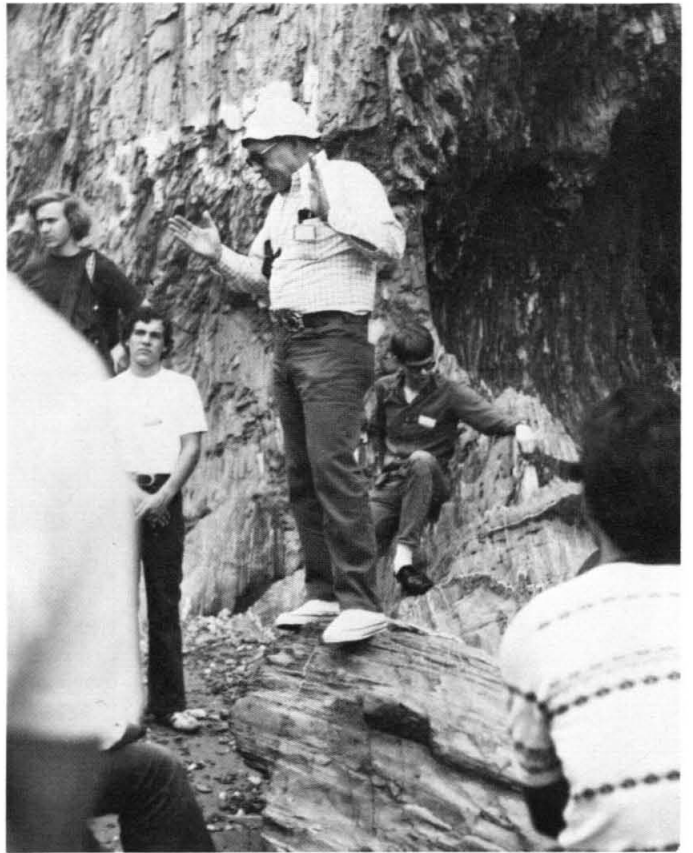
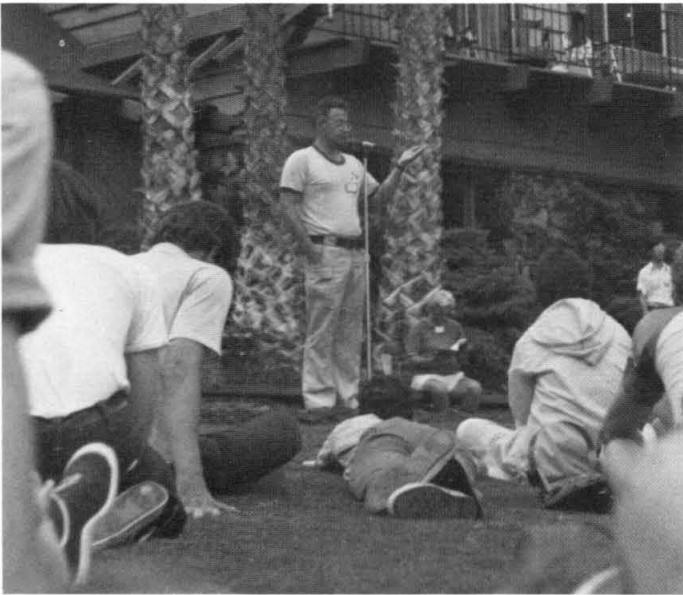


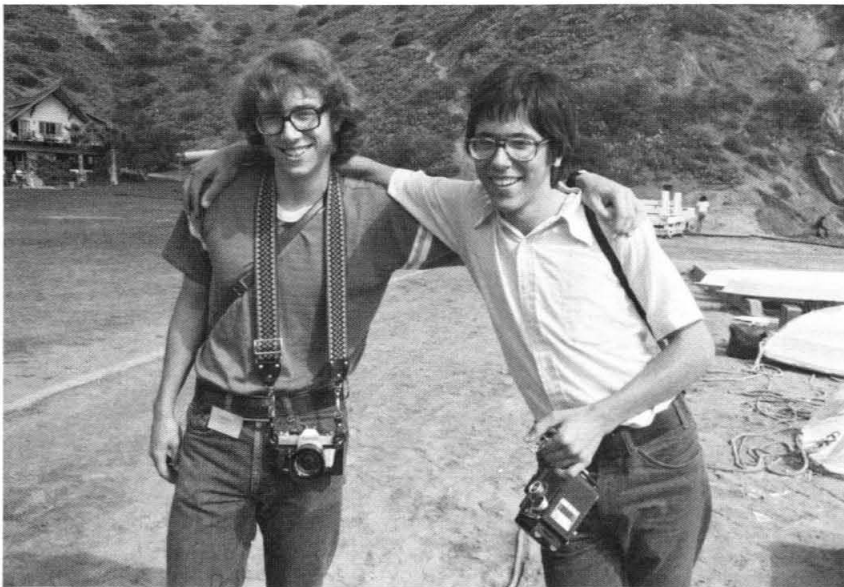
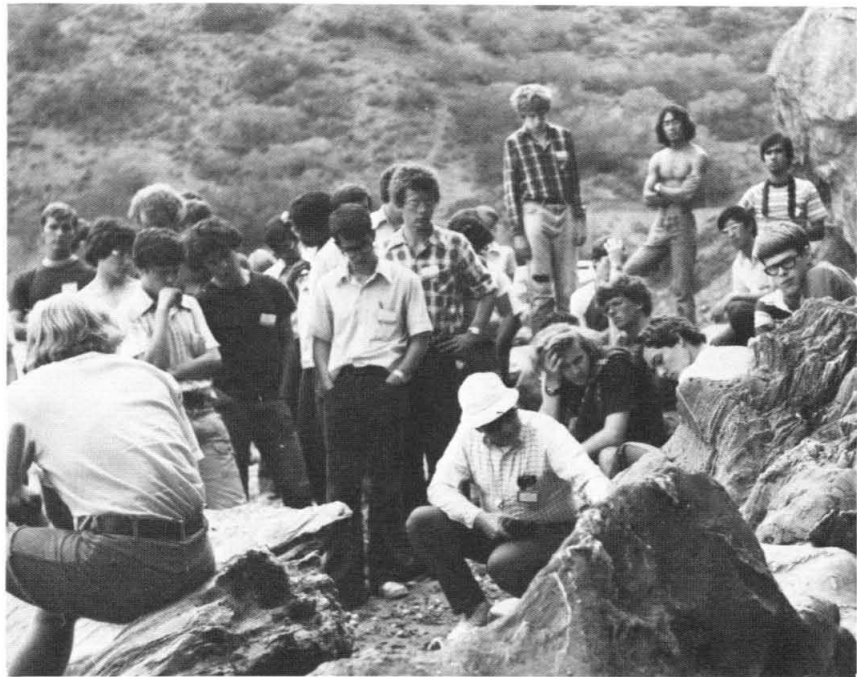
The Year

FROSH CAMP



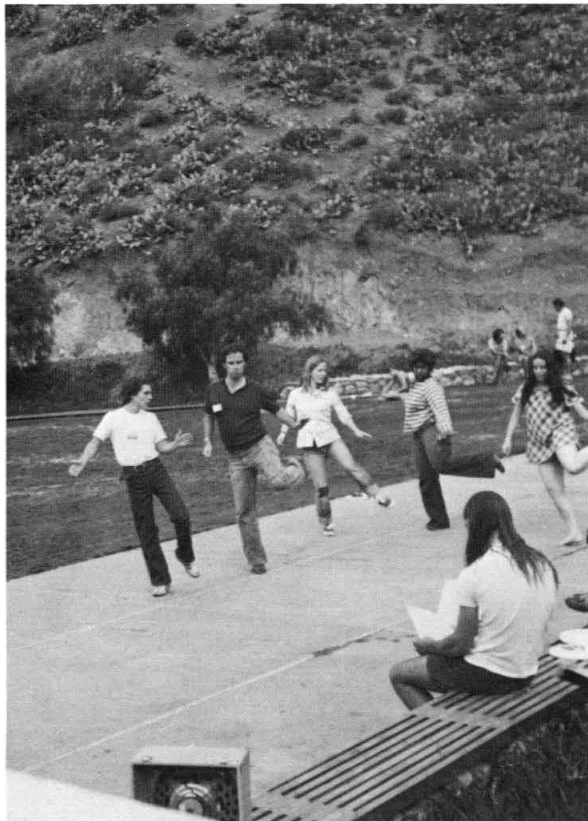
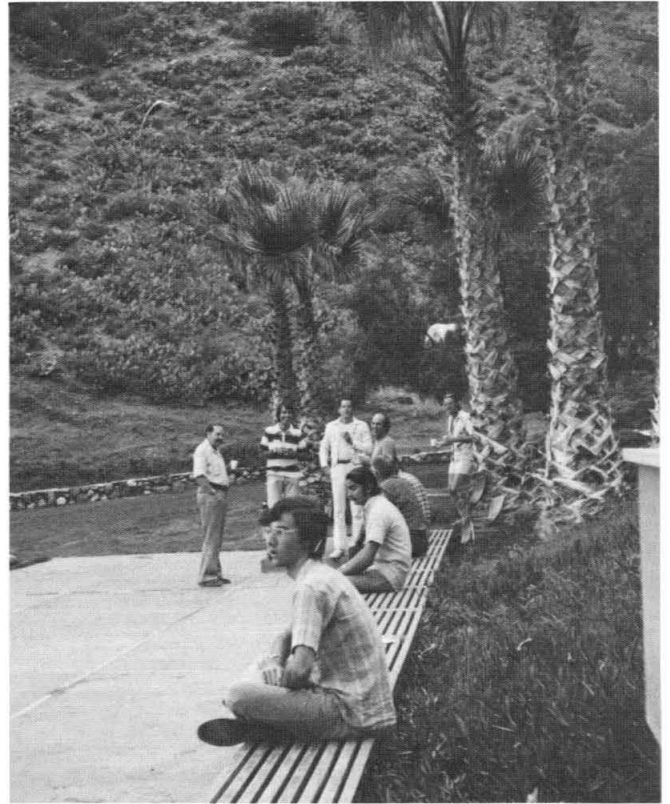
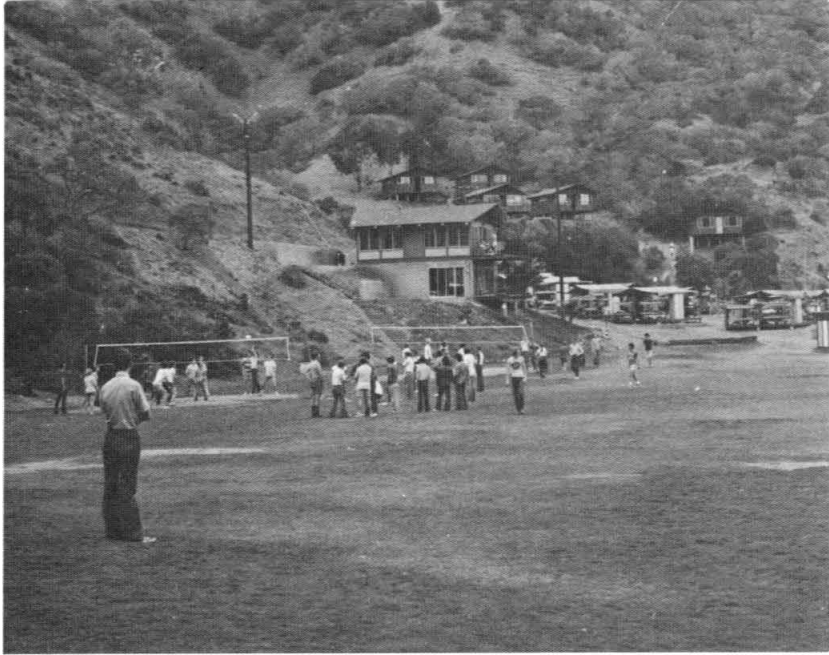






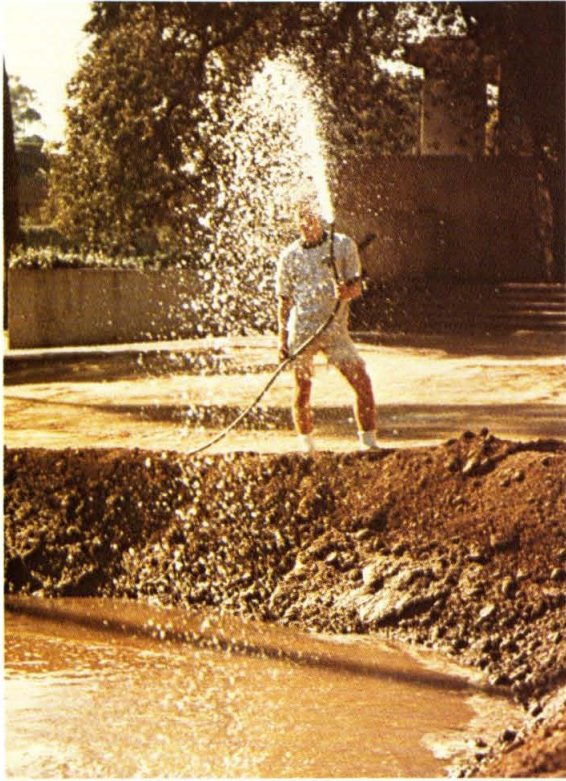






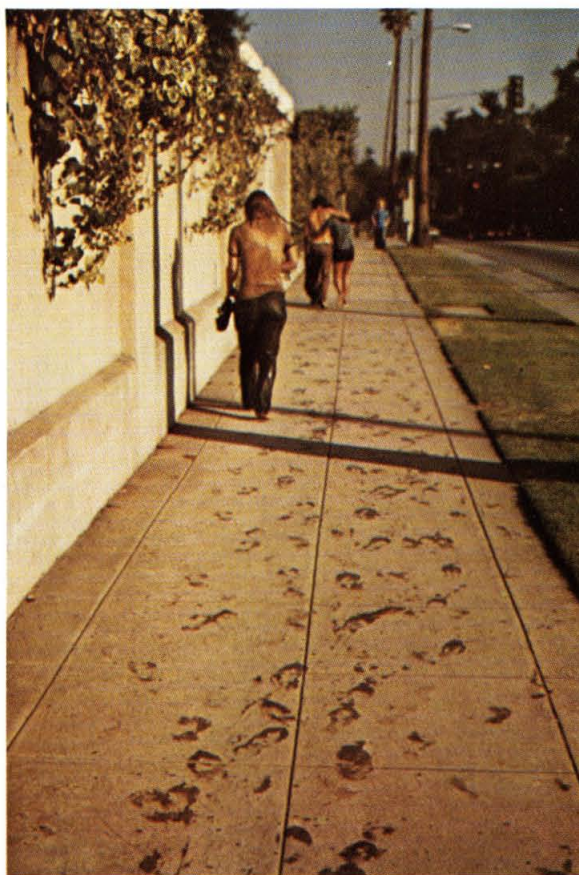


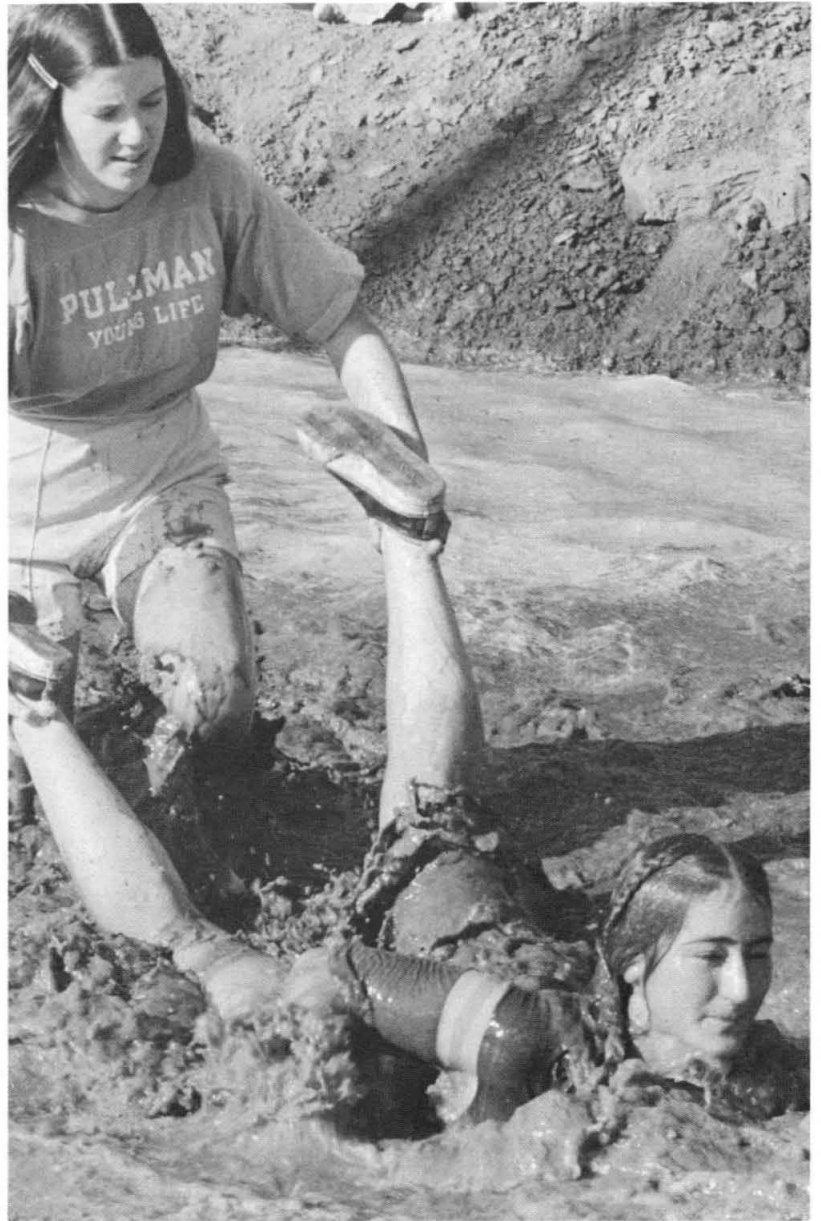
MUDEO

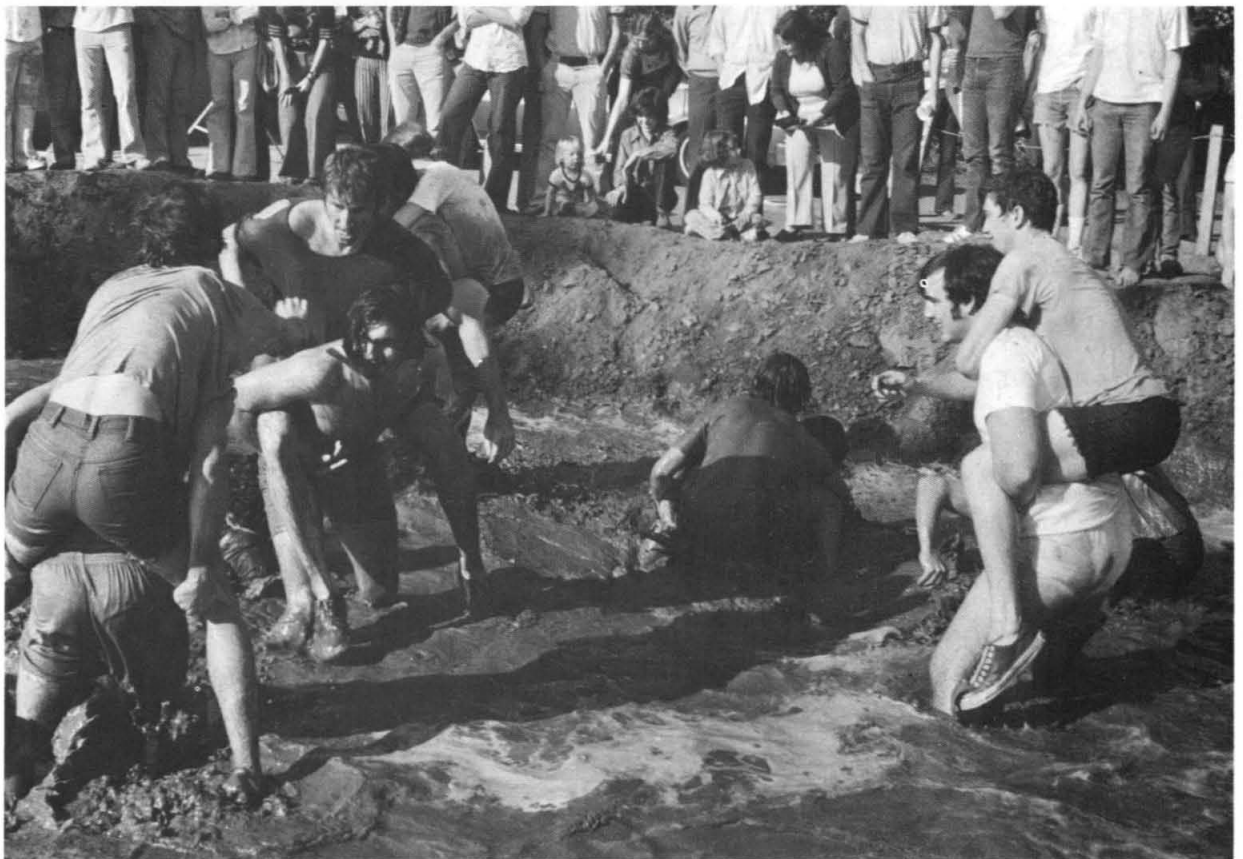


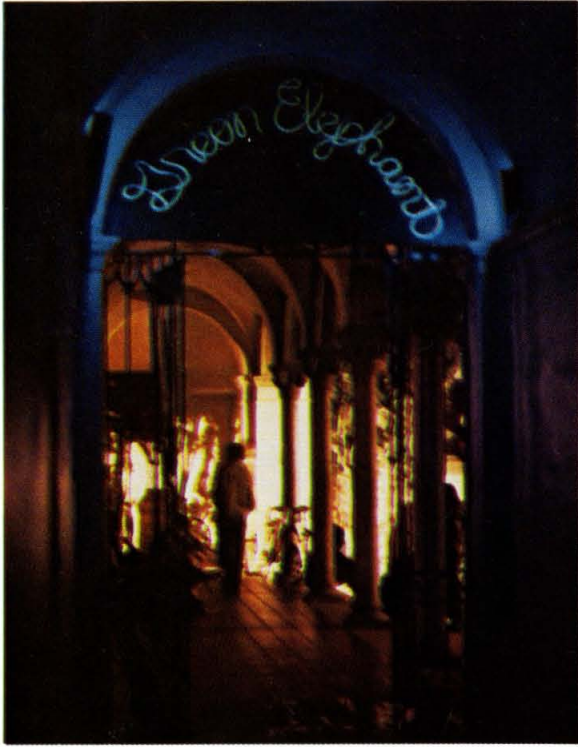
The freshmen won the traditional conflict between the Frosh and the Sophs once again. Inside the magnificent mud pit made by dredging up a lot of old dirt from the past, a hard fought series of contests were played off that included the gunny sack race and the tug-of-war. But, after all of the mud was flung, the Frosh emerged victorious. They then hosed each other over (back to the normal life of Tech) and trudged wearily away. Unfortunately, the site of the Mudeo in recent years has been turned into a driveway. So what will they find to dig up next?





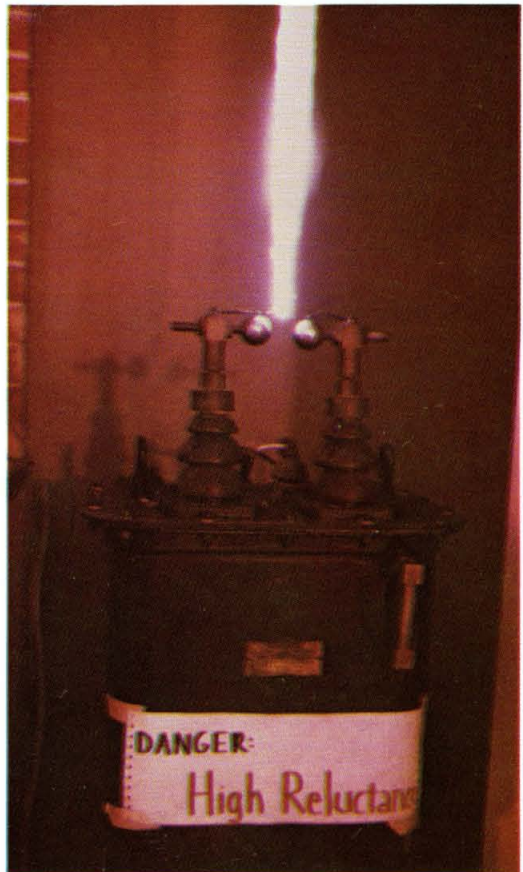
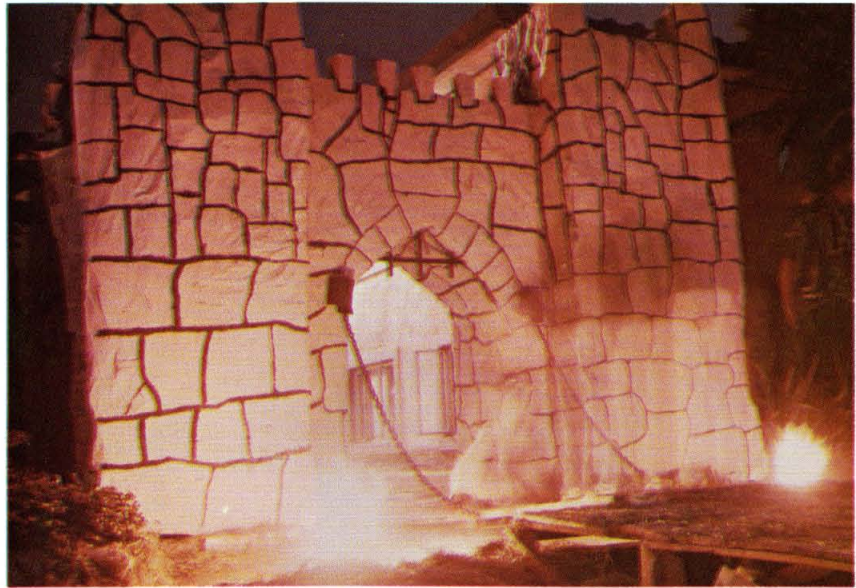




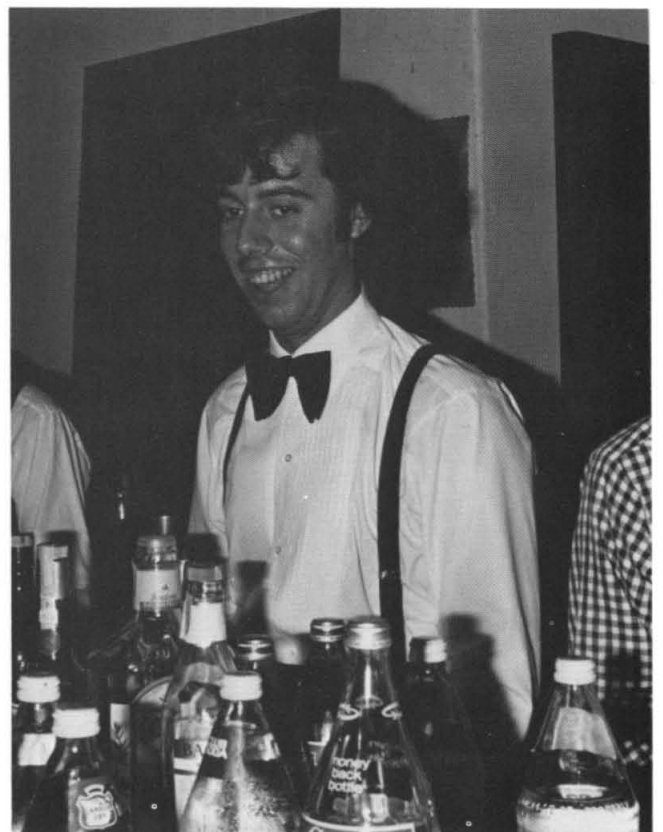
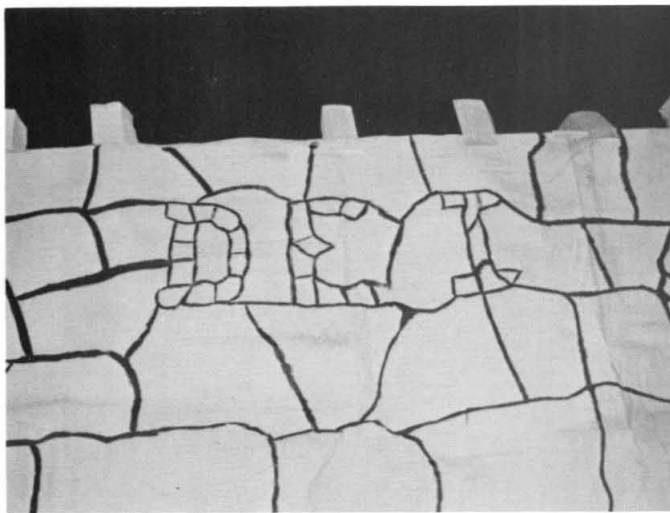


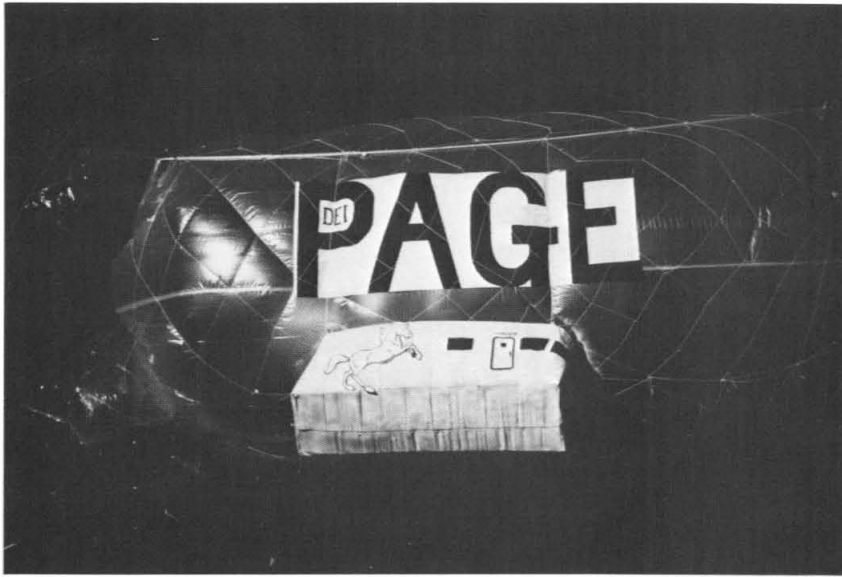
INTERHOUSE

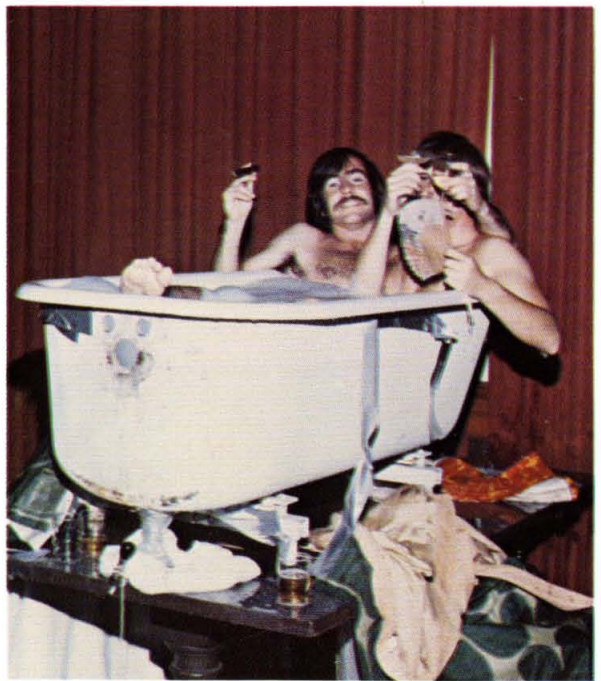
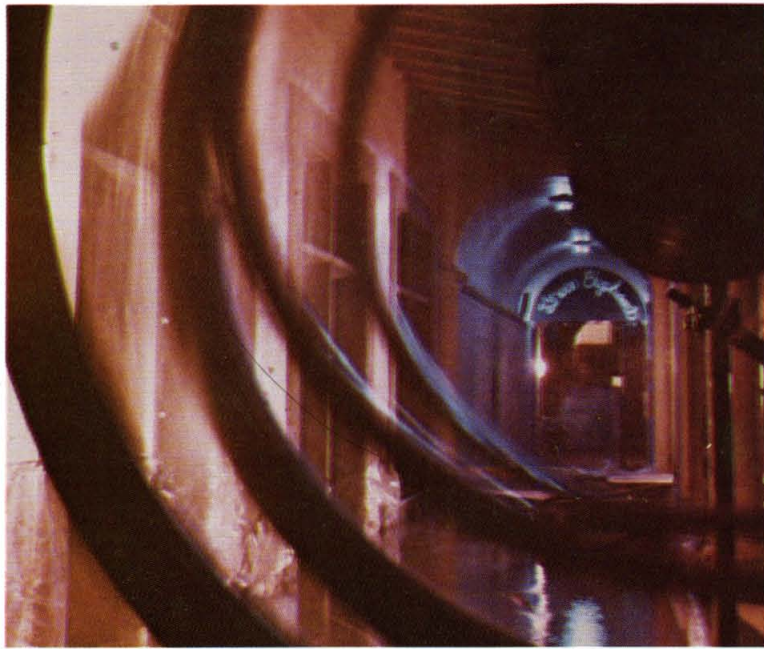




Tradition held true this year as the rain began to come down as Interhouse began. But rain as it might the people still came and enjoyed a varied Interhouse selection. Page became a German Hausfrau complete with a blimp. In Lloyd there was a laboratory of a mad (or maybe just slightly upset) scientist that included all of the sparking gadgets one could care to imagine. Ruddock became a castle of Olde England by constructing a front facade which had a drawbridge and moat (bubbling with dry ice of course) and had entertainment of the time to entertain the guests. Ricketts had a Bravarian type inn which dazzled the spectators with a rousing oom-pah band. Blacker had a Speakeasy with both bathtub and gin. Dabney once again opened the "Green Elephant" for the night featuring the Burnt Rubber band. Fleming decided upon the motif of the Northwoods and built a mountain in their courtyard and structured their indoor decorations and play a la Canadian Mounties. But the rain was very light so the people who came enjoyed another spectacular Interhouse event.



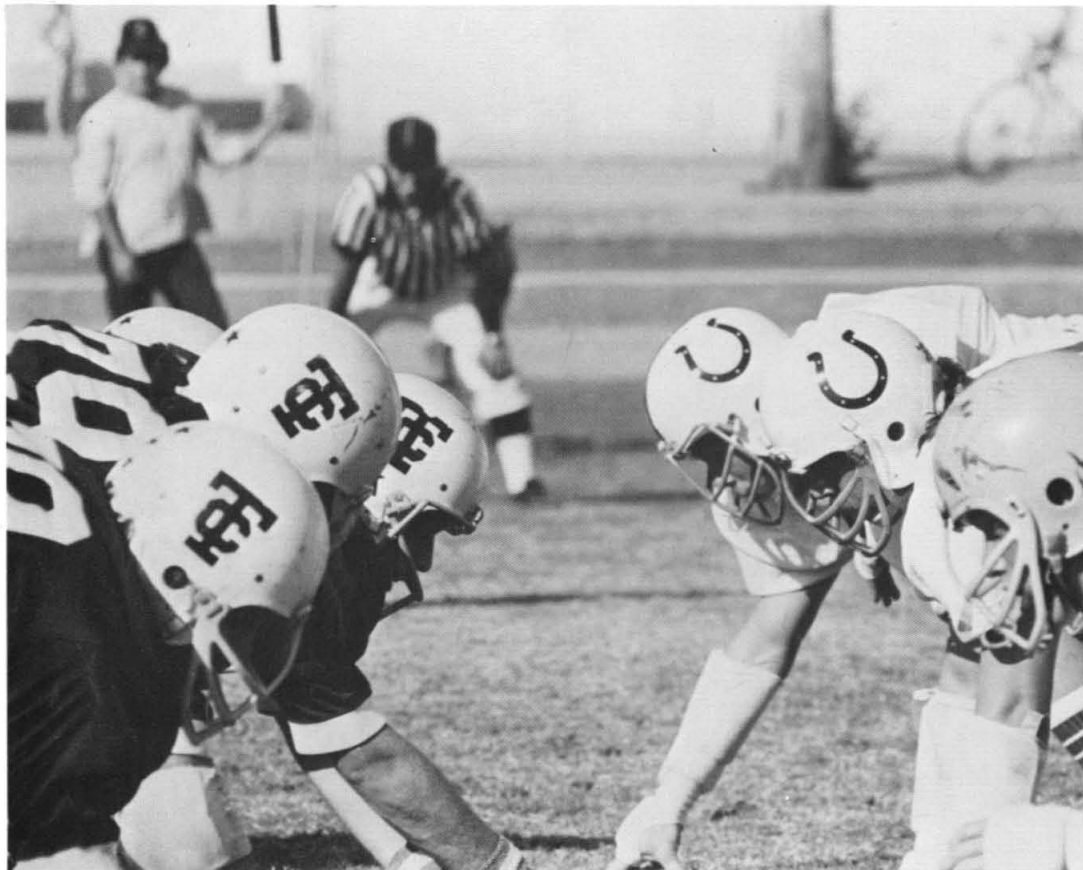
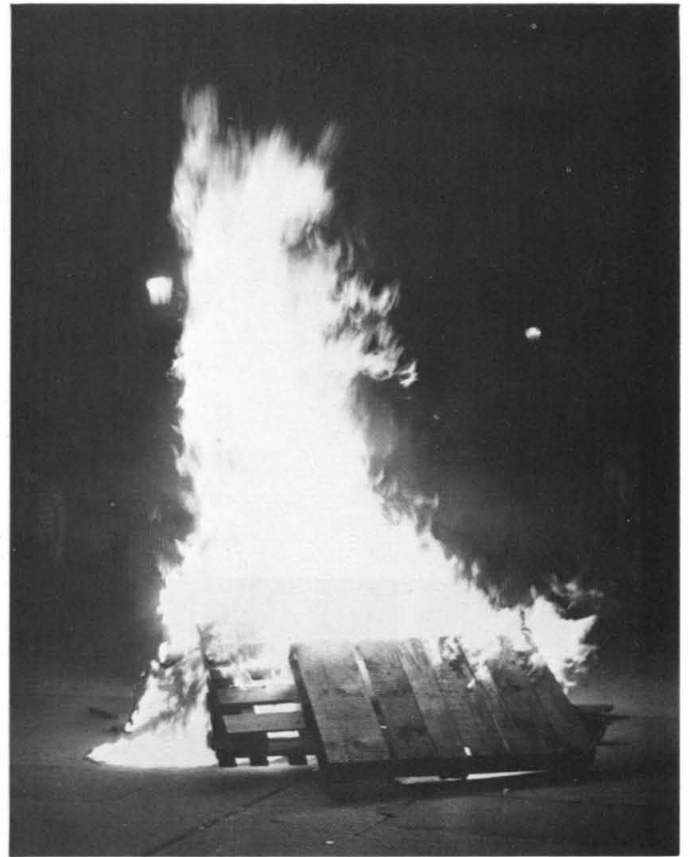


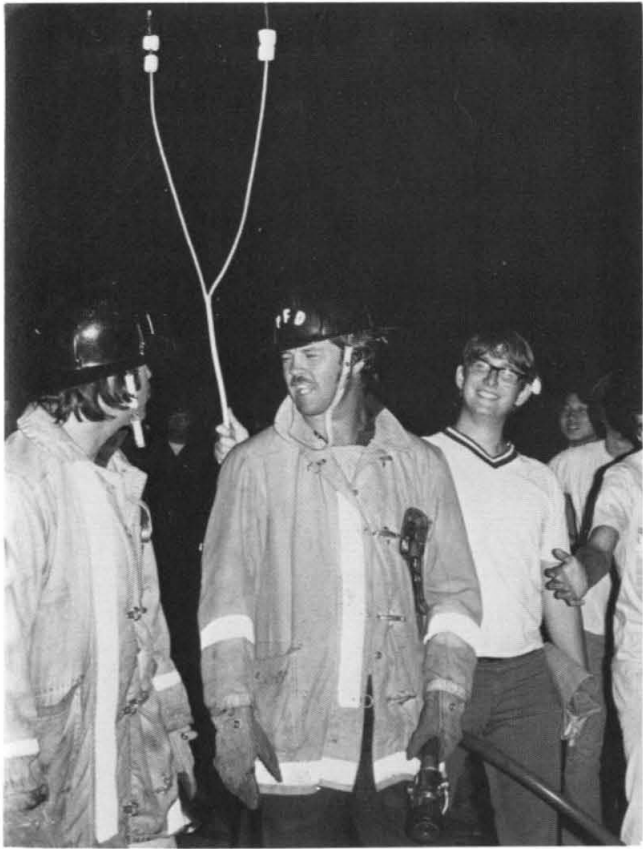
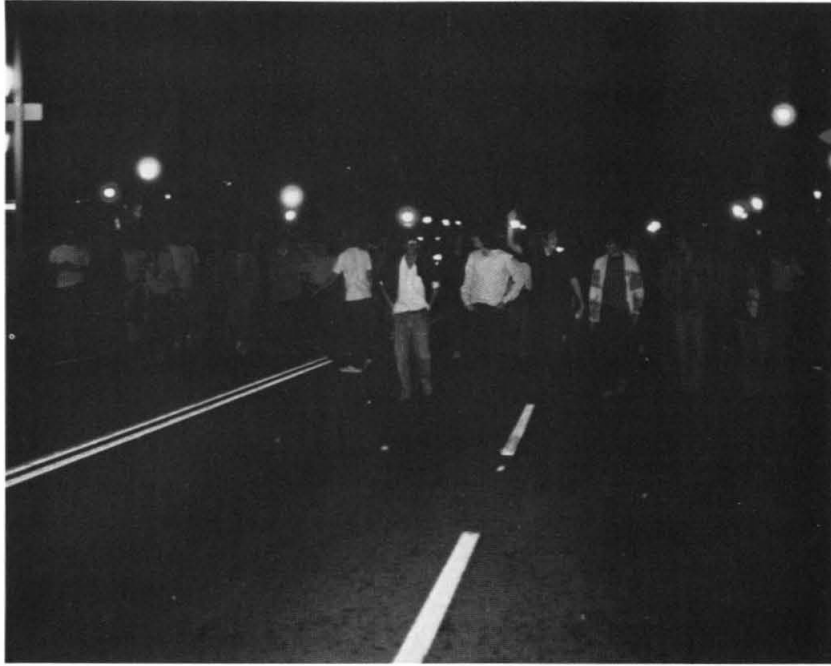




BONFIRE

It was a long three year wait but a victory finally came once more to Caltech's magnificent football team. The splendid squad racked up two victories this year against the Glendale Colts. And as always, on the nights of the victories there was a ceremonious bonfire. The first bonfire caught little attention of the police as President Ford was in town, but No. Two brought a generous helping of the men in blue. They even brought out their helicopter for the occasion. The first bonfire was held a half block north of Colorado and Lake (diversion at Colorado and Catalina) and the second bonfire was held at City Hall, the site of former blazes. The firemen were cheered as they arrived on the scene and the students helped clean up the burned debris. The bonfires ended with a police escorted march back to Tech and a trip to Farrells for ice cream to cool everyone off.



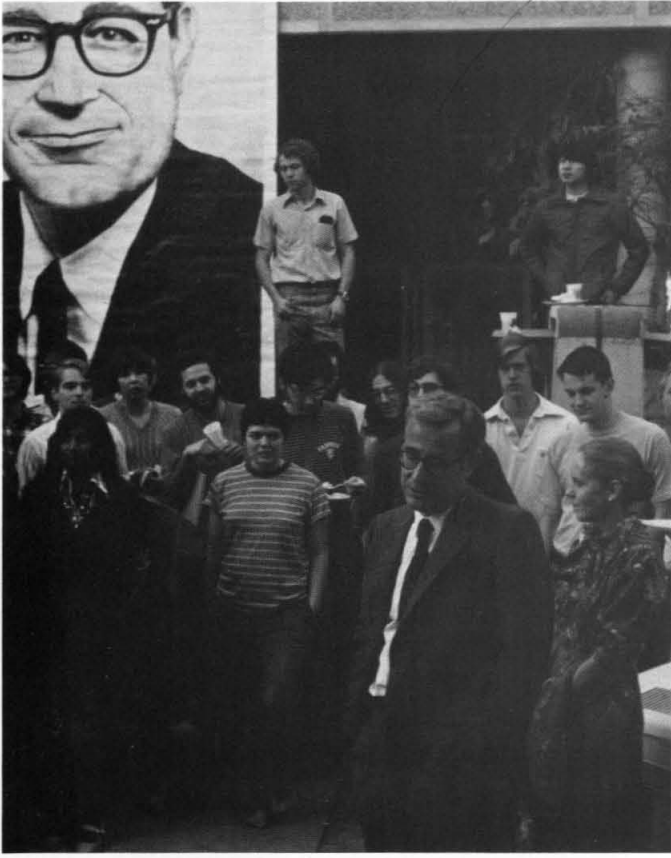




Would you believe I saw 200 beavers running down the road?



HAROLD BROWN GOES TO WASHINGTON



What do you mean I haven't fulfilled my science requirements?





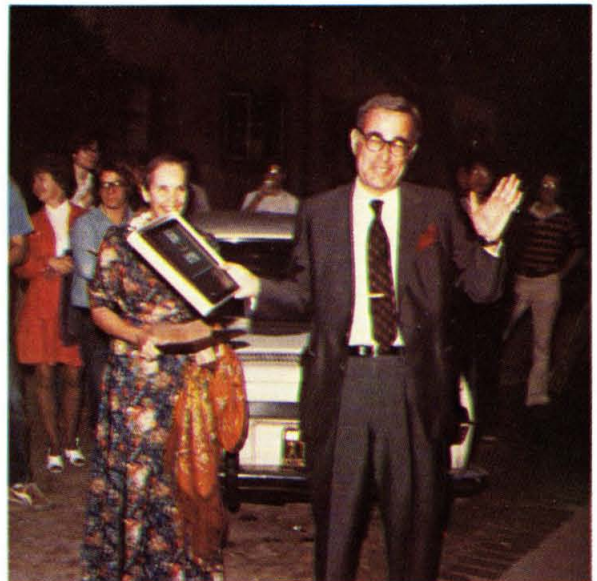
Caltech lost another of its Presidents this year upon the departure of Harold Brown. Brown had come to us in 1969 when Richard Nixon came to office ousting the Democrats. Upon the arrival of Jimmy Carter into the Oval Office, however, Harold's expertise in the field of Defense was once again asked for. Upon subtle campaigning by a few Rudds who put up a "Harold Brown for Secretary of Defense" sign, Harold was soon put into the Cabinet post of Secretary of Defense. We wish Harold all the best in his future years and now wait in anticipation of our next President.



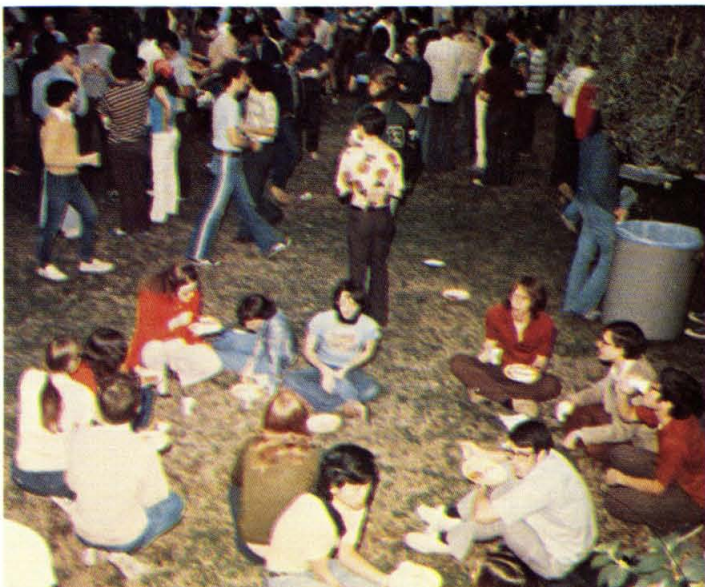
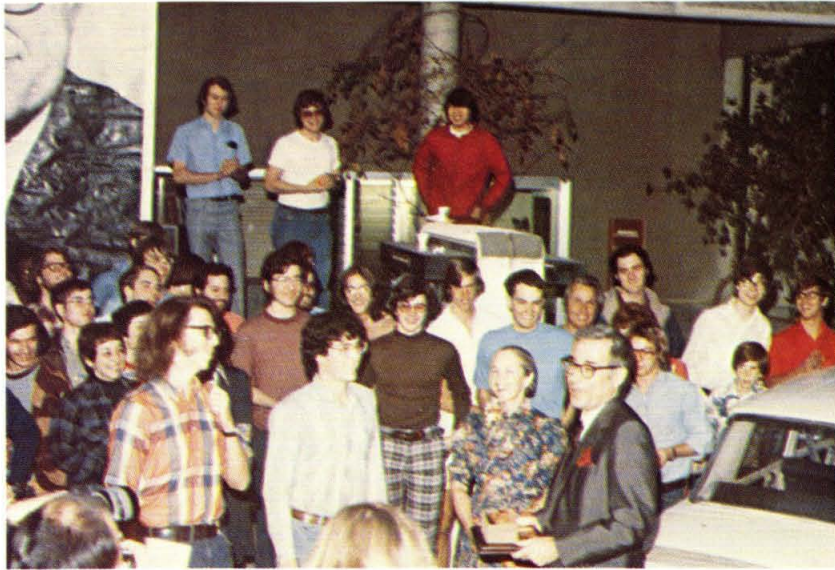
Wow! This pound of plutonium will really come in handy, guys.



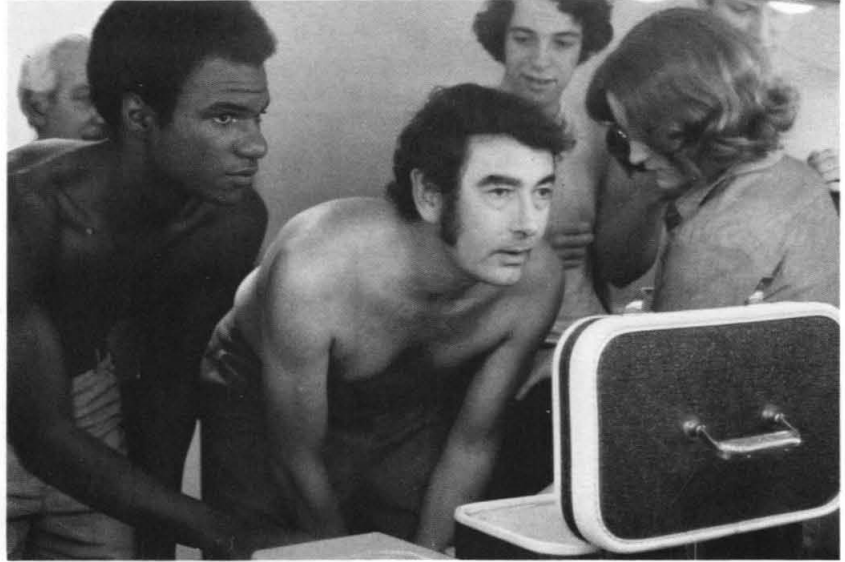
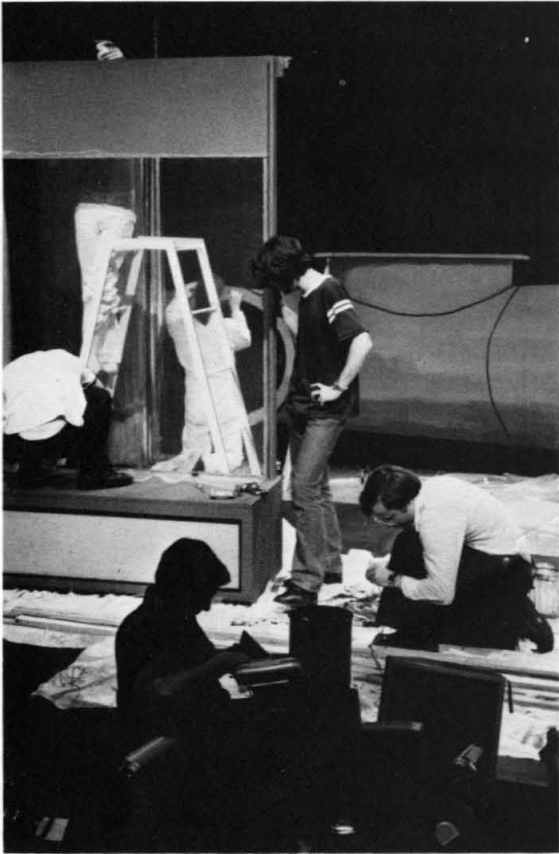
Clean hands for Chairman Brown



I kept my hands clean and see where it got me!



CALTECH MUSICAL



The Caltech Musical, after one year's absence, came back with the biggest musical produced in its history. This year's production was *Guys and Dolls* and included a cast, crew, orchestra, and staff of over 150 members. Also of note is the fact that this was the first musical to include a large number of faculty members. The cast included such notables as Feynman, Gray, DePrima, and Morrisroe. The faculty played both major and minor roles as both crapshooters, policemen, and the various Runyon characters. Playing to sold out audiences for three of its four performances, this musical was the most successful yet performed.

STAFF

Director SHIRLEY MARNEUS
Musical Director STEVE GOODENBERGER
Producer JOHN GUSTAFSON
Technical Director TOD LAUER
Set Designer ERIC WARREN
Faculty Advisor JOYCE PENN
Choreographers SUSAN ERIKSEN
BARRY "BJ" JOHNSON
SHEILA McKAY
Costumes RAE STEVENSON
Lighting JOHN BLOOM
Properties WALTER COOLE
Makeup ELIZABETH JENKINS
Stage Manager BRUCE McLAUGHLIN
Assistant Technical Director AL KELLNER
Costume Assistant MAUREEN O'HERON
Business Managers KENT NAKAMOTO
Production Secretary FLORA BOYER





CREW

Costumes KAREN CHEETHAM
 THELMA COWAN
 DOROTHY DEAN
 SUE HOCKER
 ELLEN KENNEDY
 SHEILA McKAY
 GENEVA MATHISON
 MARGARET SECHLER

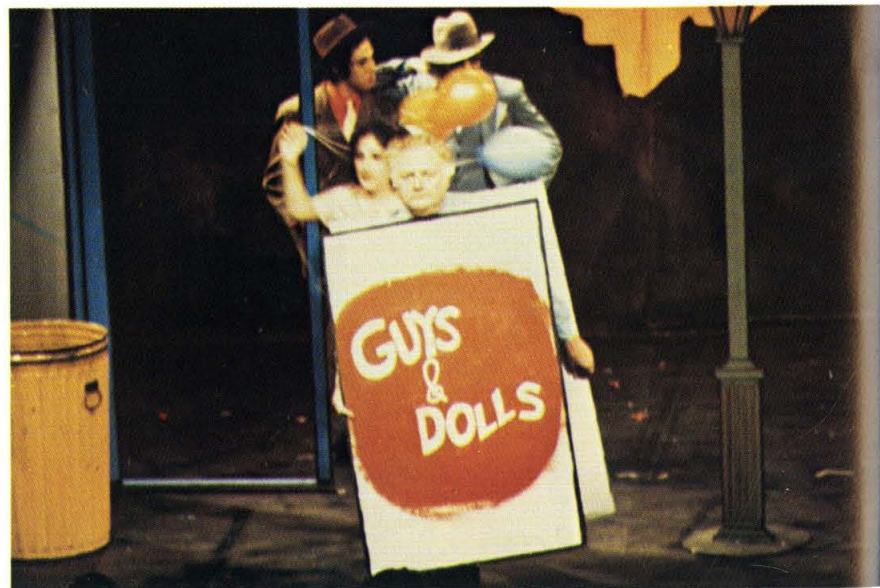
Makeup JOYCE PENN
 KAY THORTON-HIRSCH

Crew BOB ARENDT
 SCOTT CARTER
 CRAIG CHEETHAM
 ROBERTA GOLDSTEIN
 MARK GUBRUD
 TOM LEHMAN
 JEFF McLEAN
 DREW RENCKLY
 PAT WALP

Lights TIM AYERS
 STEVE OUALLINE

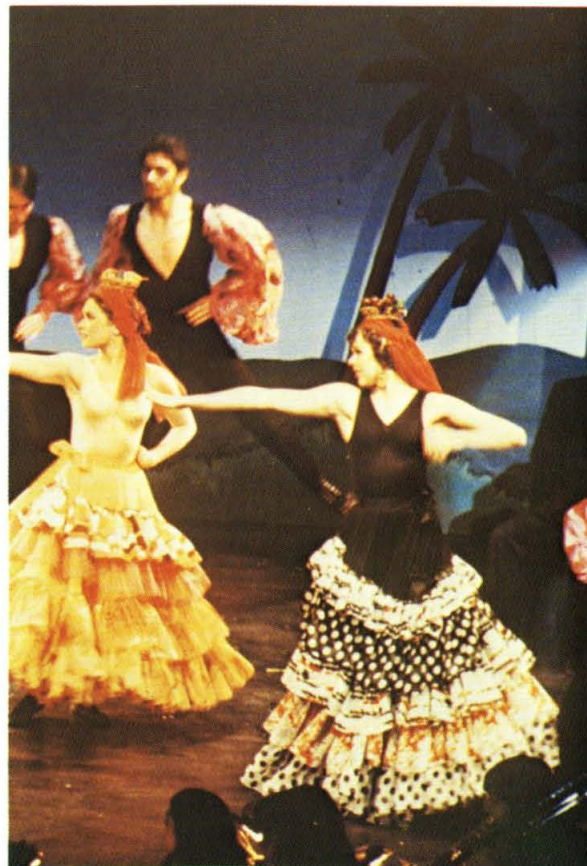
Secretary MONICA SANDELLO
Rehearsal Pianists SHEVAUN GILLEY
 JOHN GUSTAFSON
 KATHLEEN KONG
 KOLEEN MATSUDA
 KIMO YAP

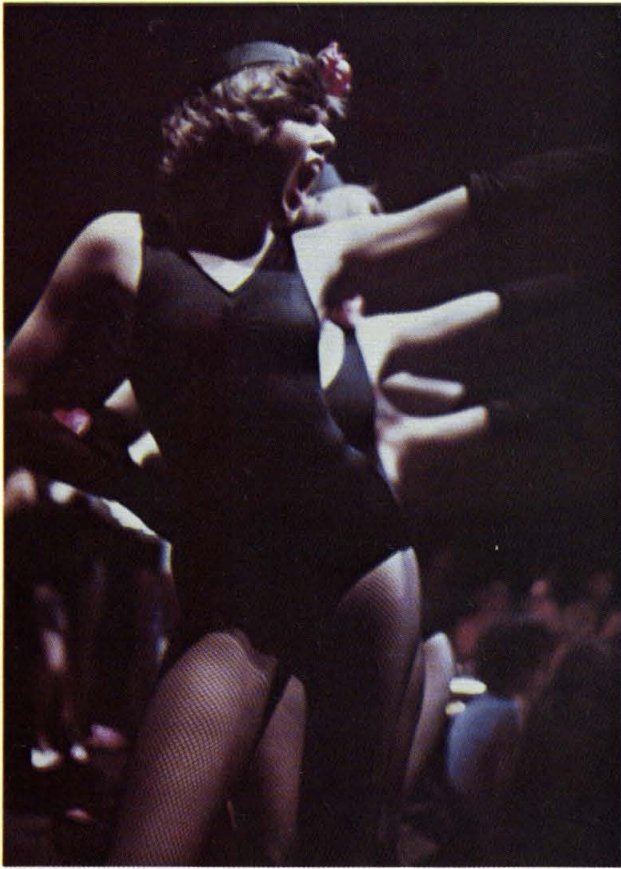
Construction BOB ARENDT
 TIM AYRES
 MARK GUBRUD
 TOM LEHMAN
 STEVE OUALLINE
 DAVE SHAFER
 PAT WALP

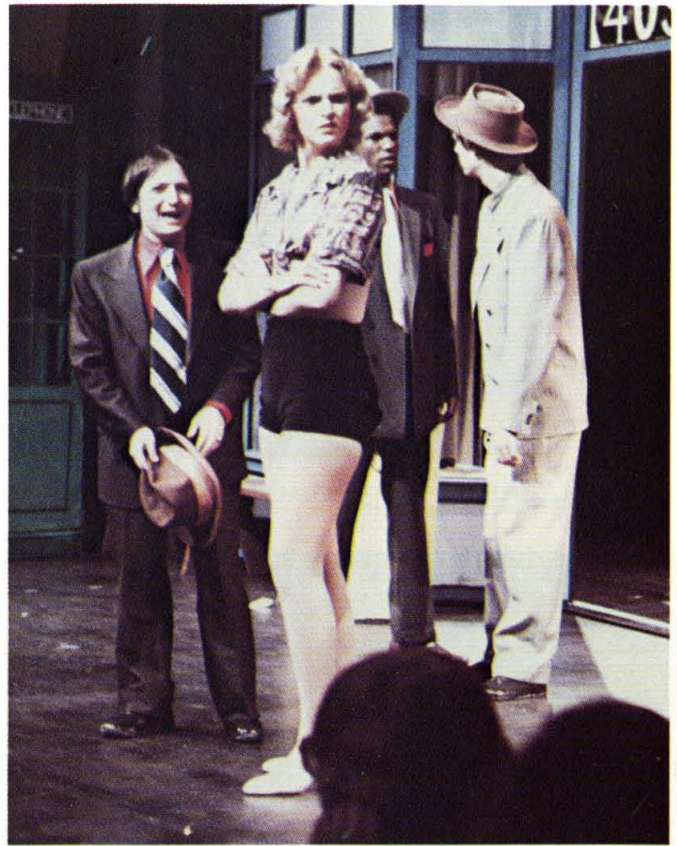


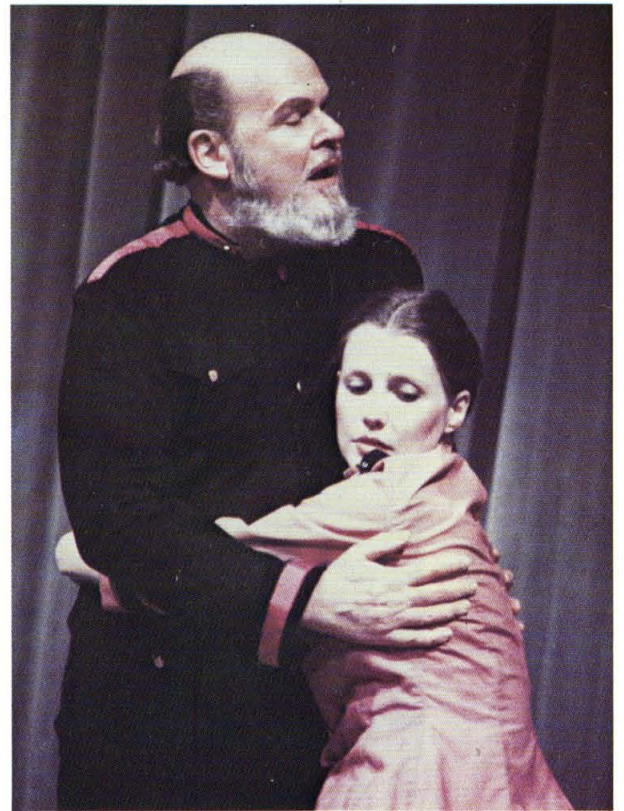
ORCHESTRA

Violin BYREC ELLISON
BOB HANSON
WING HONG LEE
ANDY PESTHY
JANE STAVERT
Bass JIM McBEATH
Cello BARRY WILSON
DAVID ZELINSKY
Reeds MARC FERGUSON
KAREN GREIF
CHUCK HEPBURN
SUSANNE HERING
STEVE JAFFE
BILL SEBOK
LARRY SEILER
Piano and Celeste JOHN GUFTAFSON
Trumpet KEN COLES
MARK HALL
BILL POST
Trombone TERRY LUCCHESI
French Horn JEFF GREIF
Percussion ANN BLANCHARD
PETER EDBERG
RICHARD FEYNMAN
RALPH LEIGHTON











CAST

<i>Sarah Brown</i>	CHRISTINE VERTOSICK
<i>Nathan Detroit</i>	STANLEY COHN
<i>Miss Adelaide</i>	SUSAN ERIKSEN
<i>Sky Masterson</i>	MARSHALL GLUSKIN
<i>Nicely-Nicely Johnson</i>	BARRY "BJ" JOHNSON
<i>Benny Southstreet</i>	DOUG BURUM
<i>Rusty Charlie</i>	ALLEN P. NIKORA
<i>Arvide Abernathy</i>	KING STUART
<i>Harry the Horse</i>	HARRY GRAY
<i>Big Jule</i>	LARRY McCLELLAN
<i>Lt. Brannigan</i>	CHRIS BRENNEN
<i>General Cartwright</i>	YOLANDA M. AGUILAR



THE MISSION BAND

EILEEN REEDS
SHEVAUN GILLEY
DAVID E. WATT
JIM FRUCHTERMAN
DALE JOHNSON

HOT BOX DOLLS

KRIS HAGEN
CHRIS KURANISHI
MERRIL BERNSTEIN
BELINDA BUSTEED
PAMELA CRANE
LESLIE FROISLAND
LYNN HILDEMAN
JEAN S. MUELLER
DANNALOU OAKES
COLLEEN RUBY
SHARON TERRY

CRAPSHOOTERS

WALTER COOLE
JAMES L. LATIMER
PAUL CALZADA
DANNY DRIGGANS
BRUCE BASKIR
ED BIELECKI
BRUCE CORTEZ
DAVE SHAFER
ALEXANDER RIVERA
STU FRIEDBERG
JERRY MARBLE

RUNYONLAND CHARACTERS

FLORA BOYER
LANCE DAVIS
CHARLES DEPRIMA
BILL DOWER
JAMES MORGAN
DAVID MORRISROE
WARD WHALING
DAVID SMITH
ANNETTE SMITH
STAN WOLFBERG
LOIS WOLFBERG
HAROLD ZIRIN
MARY ZIRIN

COOKING CONTEST

The Master's cooking contest brought out the closet chefs of the houses. With everything from fresh fruit to pate de foie gras, the judges went from table to table tasting the tantalizing tidbits. When all of the food was considered, Page and Ruddock had tied for first place. After a toss of a coin, Page got the first place prize of a microwave oven and Ruddock got a case of wine to drown their disappointment.

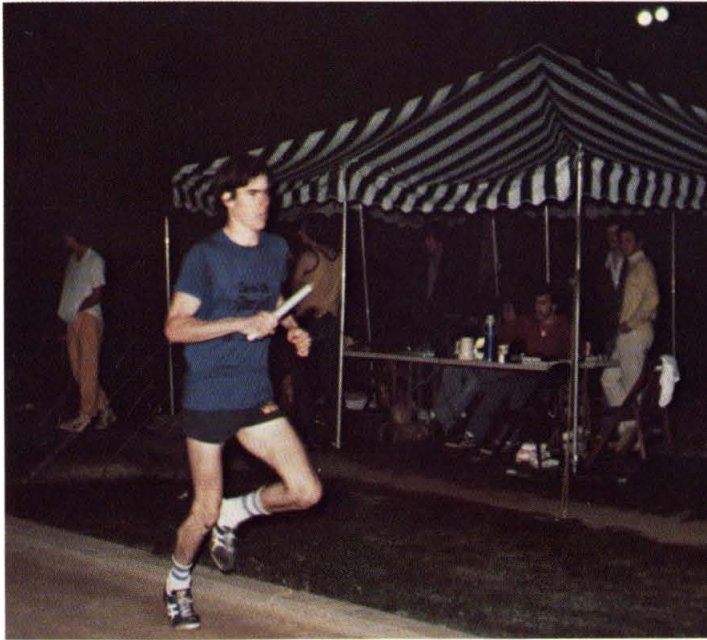


Wanted—10 Good Men—each to run 1 mile legs in a continuous relay over a 24 hour period.

KELROF 24 HOUR RELAY

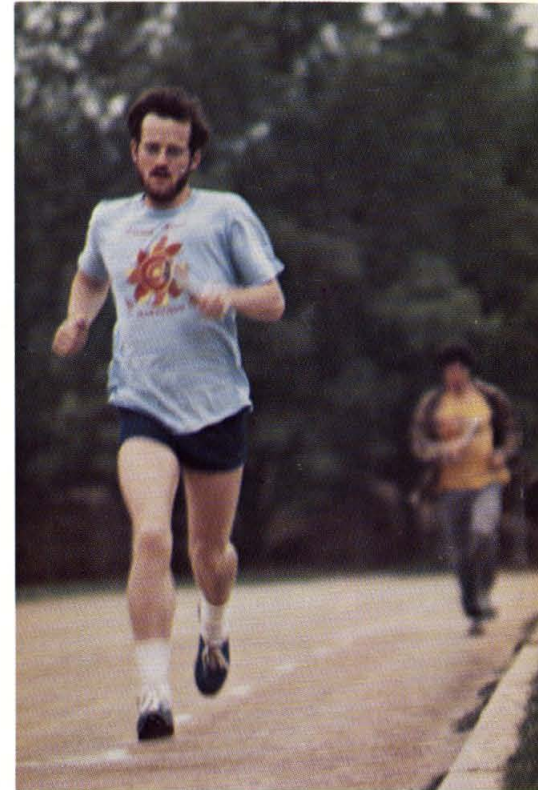


By noon the relay had become routine. Mukai led the Cripples into a 85°, sunny, first stage health alert afternoon. KELROF's Loh and Gould rattled off 5:40's. 436 handoffs without a dropped baton!



KELLOGG'S 247
EIGHTH miles
LIGHT 375
REGIMENT yards
OF FOOT

CALTECH 189
CRIPPLES miles
WITHOUT 850
CRUTCHES yards



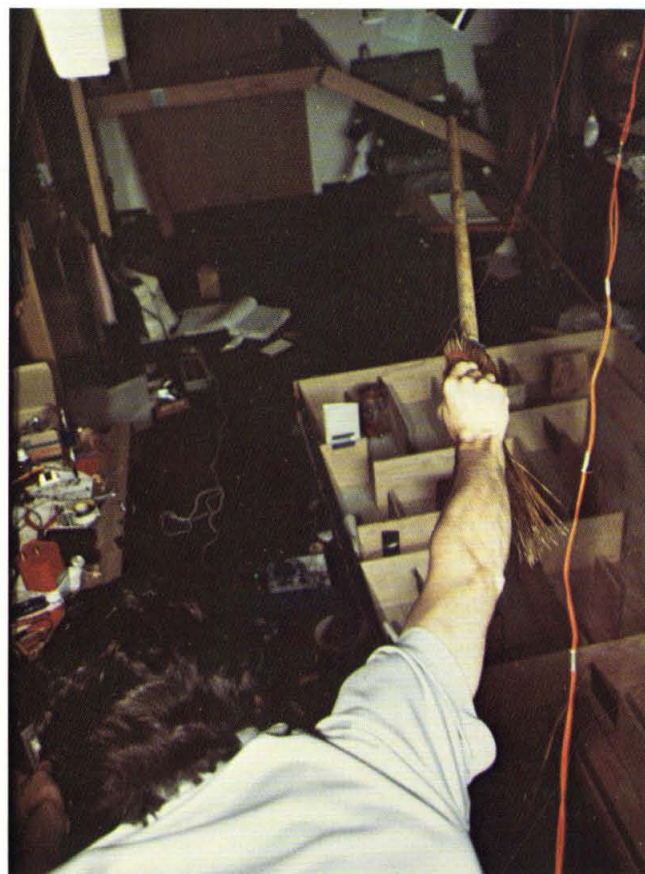
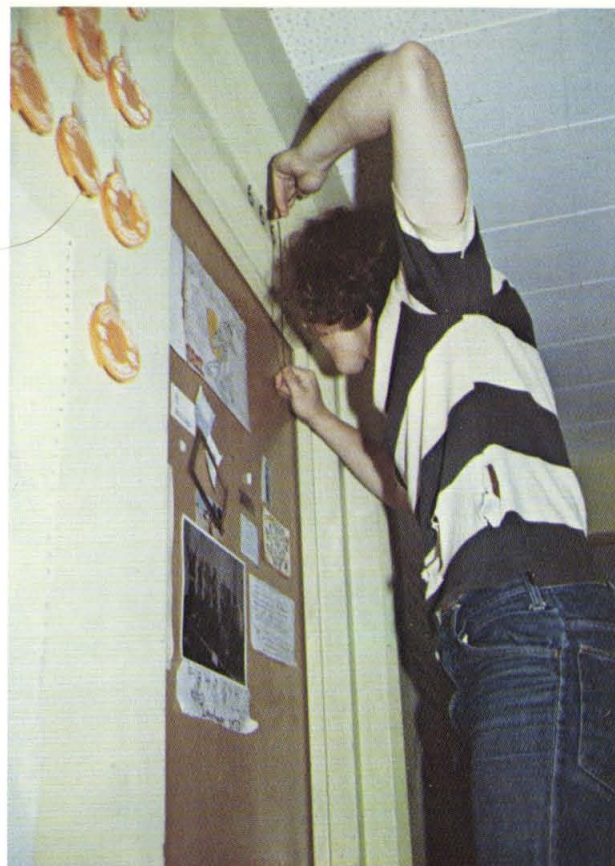
McCabe: Fatigue is merely a mental barrier, but the hour before dawn is still the coldest. Brandt to Soto amid the gathering gloom of what proved to be a long night.

6 AM: Bruce Bills was still cruising. Incredibly all 20 runners lasted the misty night. A legion of watchmen under head timer Jim Black held their posts at the field HQ tent from 9 AM Saturday, to 9 AM Sunday, May 22.



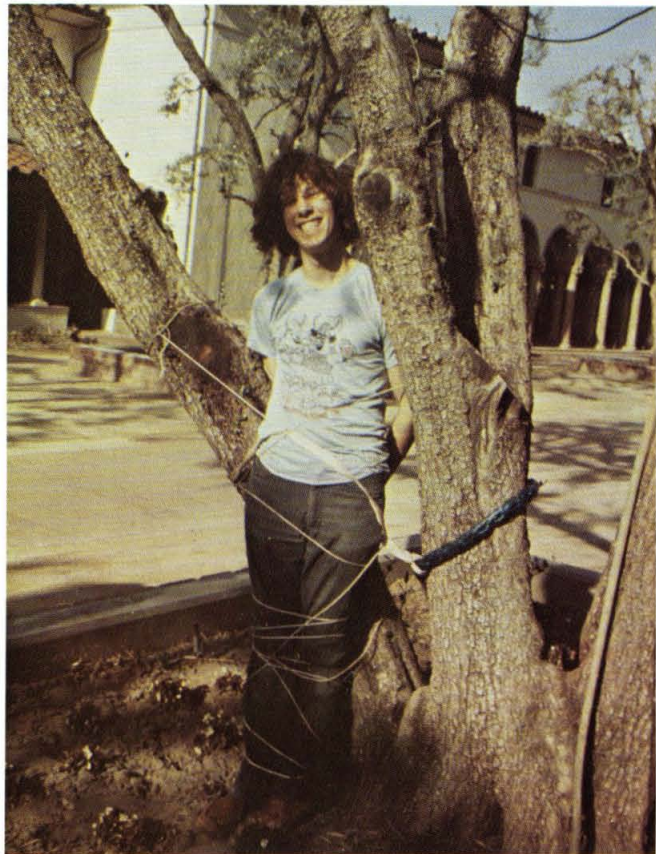
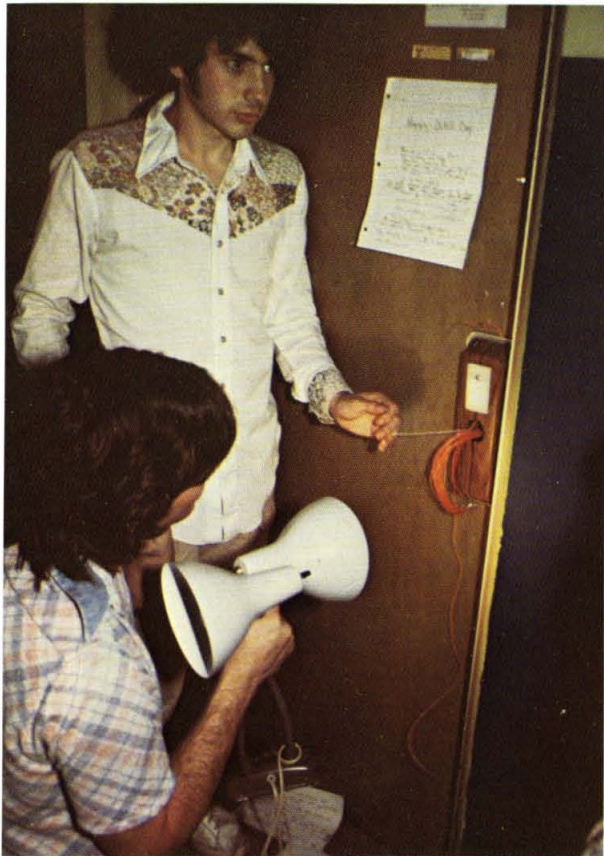
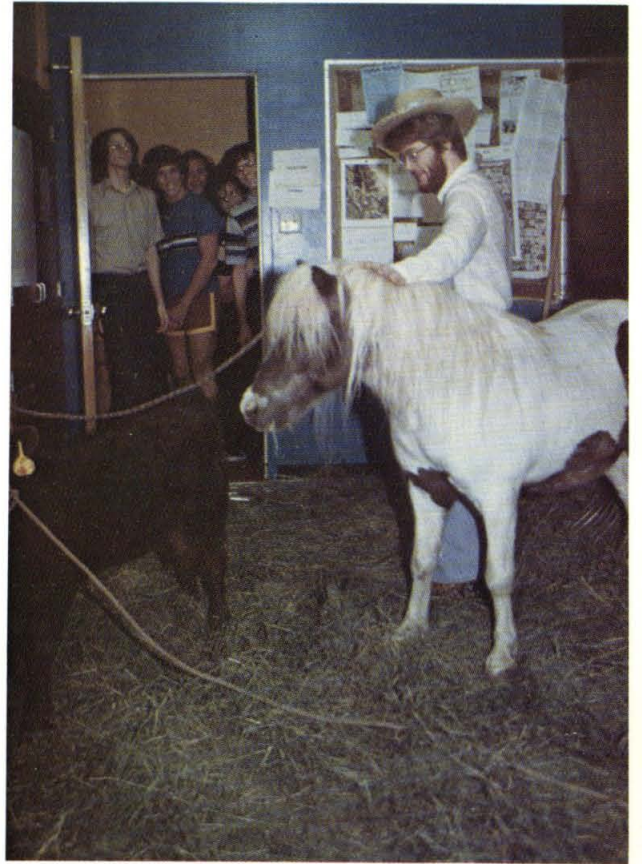
SENIOR DITCH DAY

Managing to once more keep the frosh guessing as to which day Senior Ditch Day would actually fall upon, the seniors held it on the next to last possible day, the Thursday before their finals week. Again filled with imagination and gimmickry, Ditch Day pitted the knowledge and skill of the underclassmen against the stacks of the seniors. Although a few seniors stayed around campus a little too long, most of them left early, leaving the underclassmen to play with the whirring boxes and concrete blocks. Some of the more unusual stacks this year included a stack in which you had to find the door, a robot and maze stack, and a stack where the clues were given by a mini-computer. For some of the stacks that were broken, interesting "restacks" occurred. Two RF's of note were the making of one room into a soccer field and another into a barnyard. When the seniors came back, some found their rooms safe and sound while others found a long night ahead of them cleaning up their rooms.



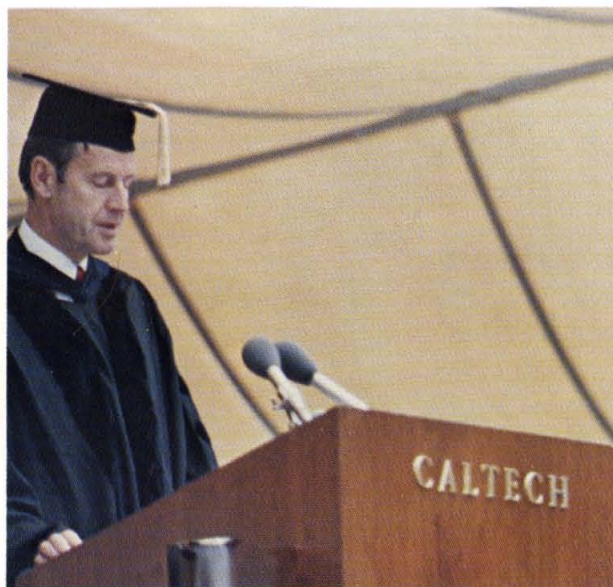


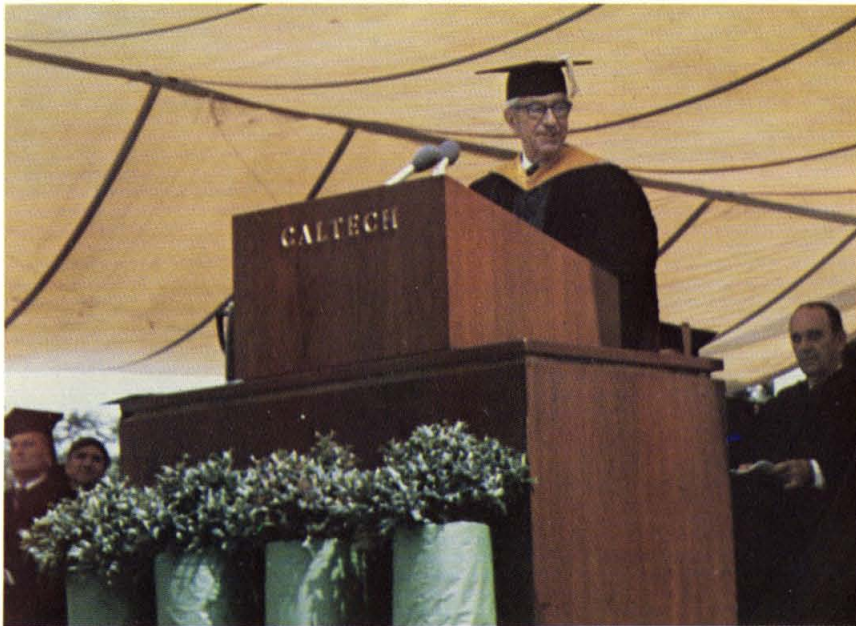
Caution: Potent, one drop makes fifty balloons



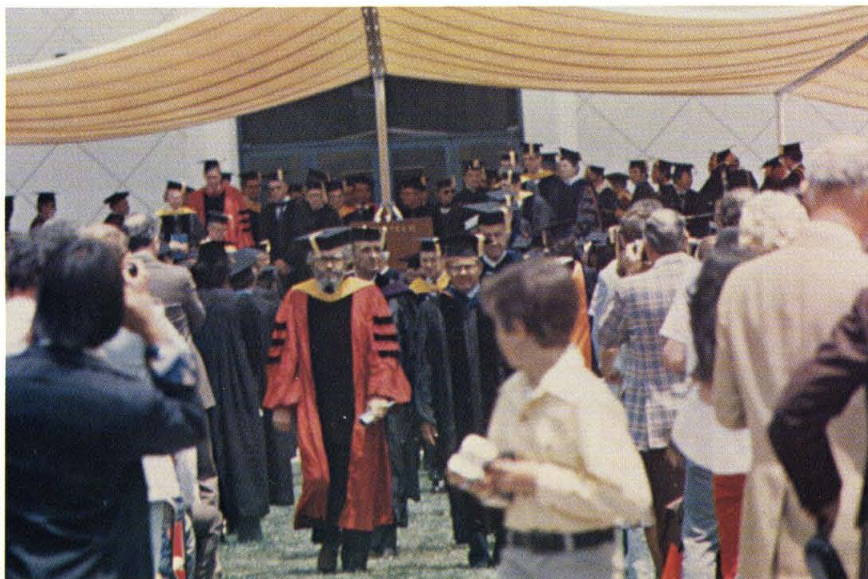
The senior oak?

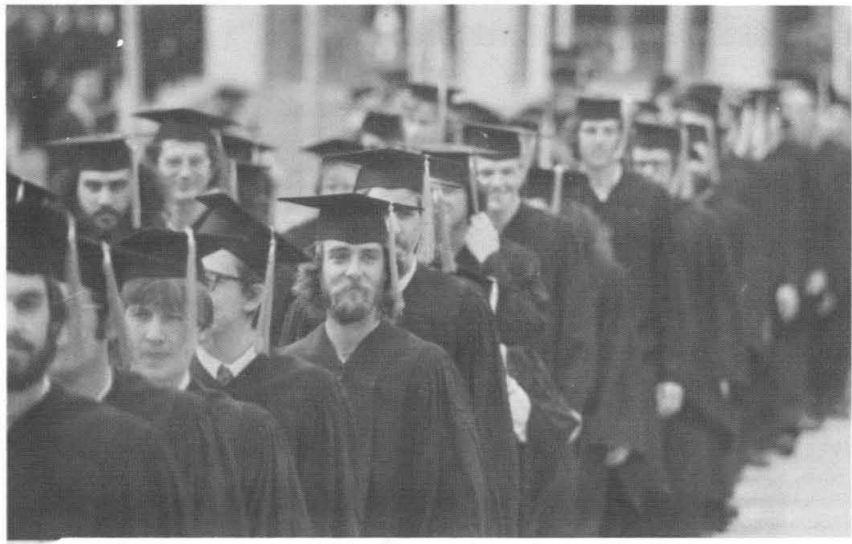
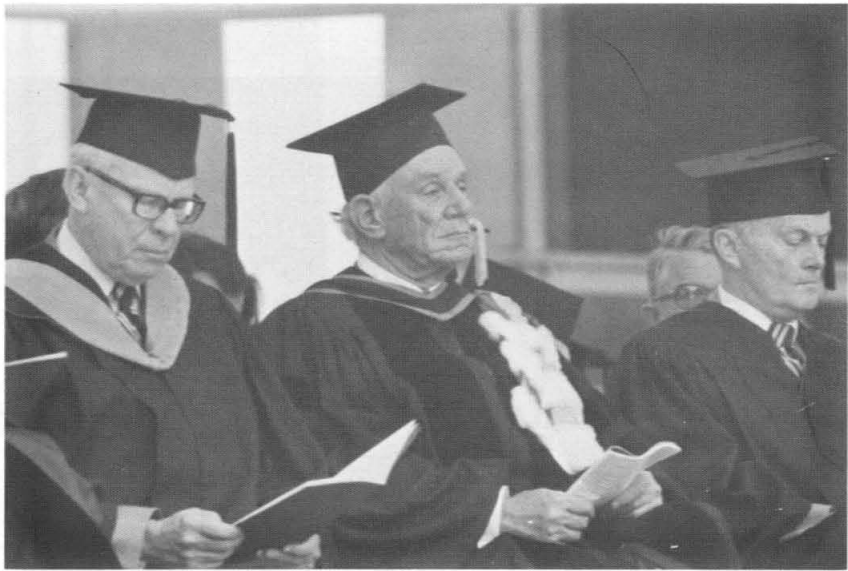
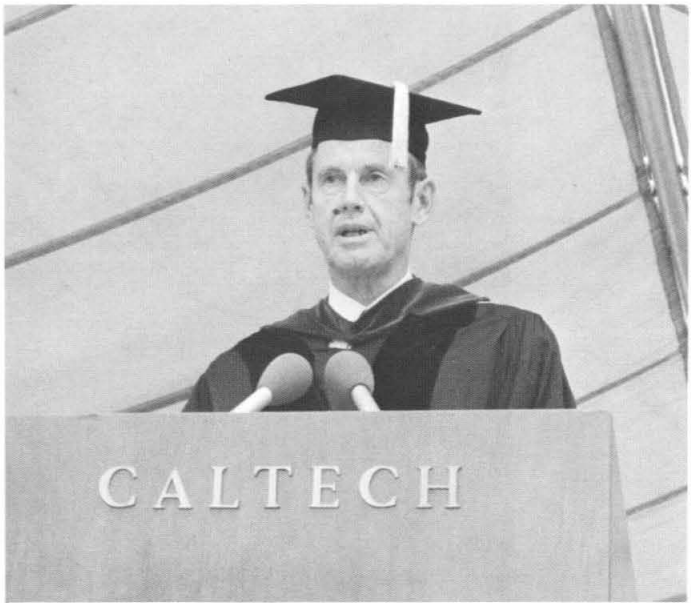
COMMENCEMENT

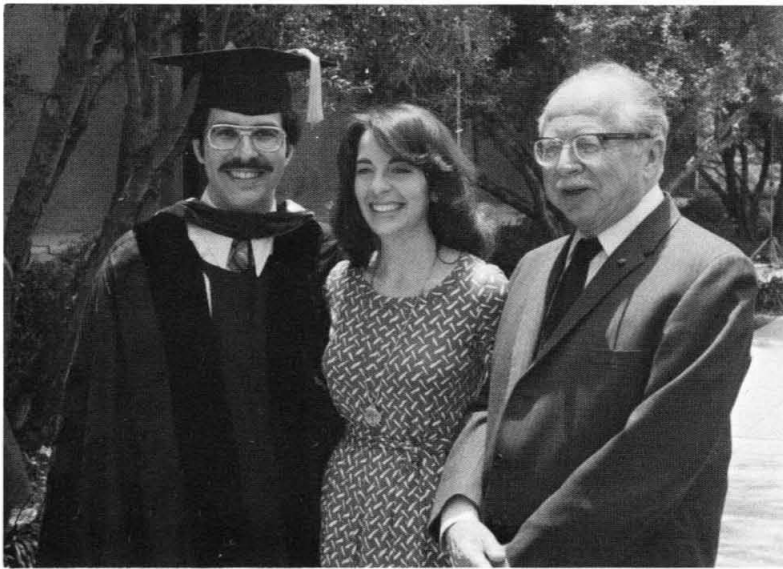
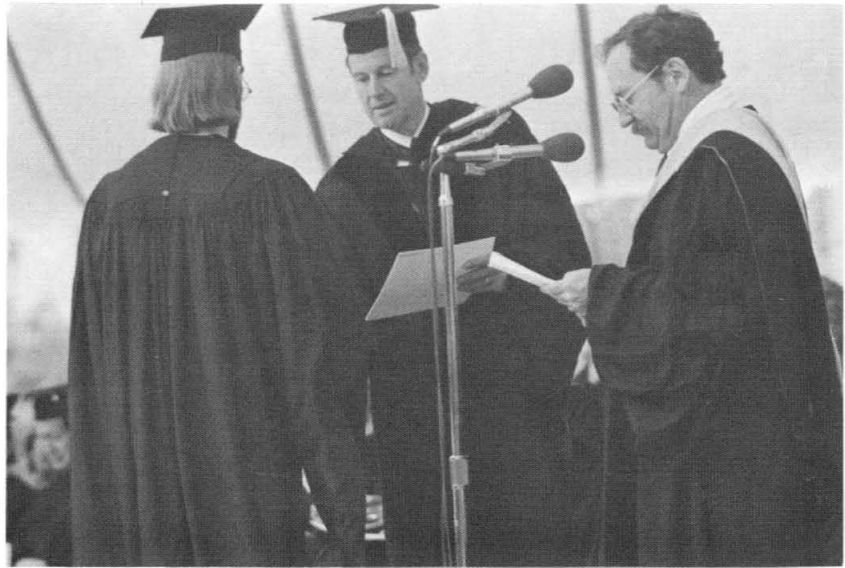
















Sports & Activities

FOOTBALL

Caltech	0	Claremont Harvey Mudd JV	41
Caltech	0	Pomona Pitzer	56
Caltech	15	Glendale Colts	6
Caltech	0	LaVerne JV	30
Caltech	24	Glendale Colts	6
Caltech	10	LaVerne	13

COACHES

Tom Gutman, Dean Bond and Neil Stone



Sixth row: Ralph Allen (asst. coach), Lloyd Ferguson (equipment manager), Dean Bond (asst. coach), Tom Gutman (coach). Fifth row: Eric Worrell, Bob Burke, Gabe Lengua, Jim Hunter, Nelson Goldikener. Fourth row: Jim Meador, Armand Bedoy, Woody Weaver, Ken Gray, Doug Tally, Fred Crimi. Third row: Dave Jacobs, Mark Fisher, Joe Zwass, Marc Wold, Clint Knott, Mike Thompson, Lee Heiman. Second row: Tim Tutt, Lynn Hildeman (manager), Mark Fortunado, Paul Gutierrez, Bill Graham, Bob Winchell. First row: Bryan Sutula, Frank Nares, Gary Cox, Jim Moore, Steve Comens, John Chu, Dave Whitcomb.

SOCCER



Caltech	3	Azusa Pacific	0
Caltech	2	East Los Angeles JC	2
Caltech	4	Caltech Soccer Club	2
Caltech	5	Occidental	2
Caltech	0	Redlands	2
Caltech	0	Whittier	4
Caltech	0	Pomona Pitzer	5
Caltech	1	Claremont Harvey Mudd	5
Caltech	1	LaVerne	2
Caltech	1	Occidental	6
Caltech	4	Redlands	0
Caltech	0	Pomona Pitzer	6
Caltech	1	Claremont Harvey Mudd	4
Caltech	3	Laverne	3
COACHES — Don Cameron and William McCallan			



Back Row: left to right: Donald Cameron (coach), Stanley Chen, Kevin Proops, Bruce Baker, Chris Russell, Peter Kezios, Jim Hickey, Lee Aydelotte, Ken Severin, Paul Snyder, Steve Trimberger, Cliff Beall, "Mike" McCallan (coach). Front Row: left to right: Greg Hungerford, Bob Linderman, Ed Chan, Anthony Sneed, John DeAguiar, Leslie Peterson, Suwat Thaniyavarn, Mansour Sabeti, Eric Sobel.

BASEBALL

Caltech	0	LaVerne	16
Caltech	0	LaVerne	12
Caltech	1	LaVerne	21
Caltech	0	Whittier	12
Caltech	0	Whittier	3
Caltech	1	Occidental	19
Caltech	4	Occidental	8
Caltech	0	Occidental	12
Caltech	1	Whittier	2
Caltech	1	Claremont Harvey Mudd	9
Caltech	1	Claremont Harvey Mudd	17
Caltech	4	Claremont Harvey Mudd	11
Caltech	5	Pomona Pitzer	8
Caltech	4	Pomona Pitzer	17
Caltech	5	Pomona Pitzer	10
Caltech	0	Redlands	6
Caltech	2	Redlands	11
Caltech	2	Redlands	8



Front row: left to right: Ed Rea (cocaptain), Rich Gayle, Fred Crimi, Doug Roundtree, Doug Tally, Pat Reardon (cocaptain), Ed Preisler (coach). Back row: left to right: Madeleine Shea (manager), Bob Winchell, Ron Klapproth, Bill Newman, Mark Fortunado, Jim Jacobs, Bobby Bus (manager). Not Pictured: Alfred Sepulveda.



FENCING

Caltech 1
Caltech 3

Caltech 5
Caltech 3
Caltech 1
Caltech 1
Caltech 4
Caltech 1
Caltech 3
Caltech 2
Caltech 6

Caltech 2
Caltech 1

Epee
U S C 8
Cal State U Fullerton 6

Foil
U S C 4
Cal State U Fullerton 6
Cal State U Fullerton 8
Cal State U Fullerton 8
Cal State U Fullerton 5
Cal State U Fullerton 8
Cal State U Northridge 6
Cal State U Northridge 7
Cal State U Fullerton 3

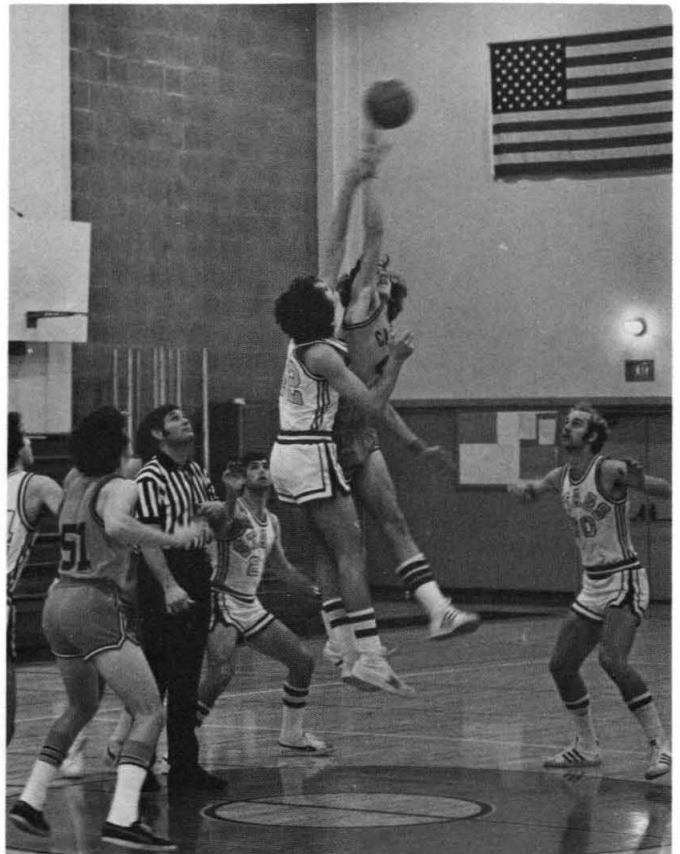
Saber
U S C 7
Cal State U Fullerton 3

BASKETBALL

Caltech	64	LIFE	70
Caltech	54	Cal Lutheran	106
Caltech	24	Ambassador	76
Caltech	56	Alumni	55
Caltech	51	LaVerne	98
Caltech	58	Los Angeles Baptist	93
Caltech	45	Claremont Harvey Mudd	81
Caltech	80	Cal Lutheran	118
Caltech	46	Ambassador	72
Caltech	52	Pomona Pitzer	76
Caltech	46	Redlands	97
Caltech	67	LIFE	56
Caltech	40	Whittier	115
Caltech	65	LaVerne	86
Caltech	49	Claremont Harvey Mudd	106
Caltech	54	Occidental	122
Caltech	36	Whittier	117
Caltech	63	Redlands	92
Caltech	57	Pomona Pitzer	80
Caltech	71	Occidental	98

COACHES—

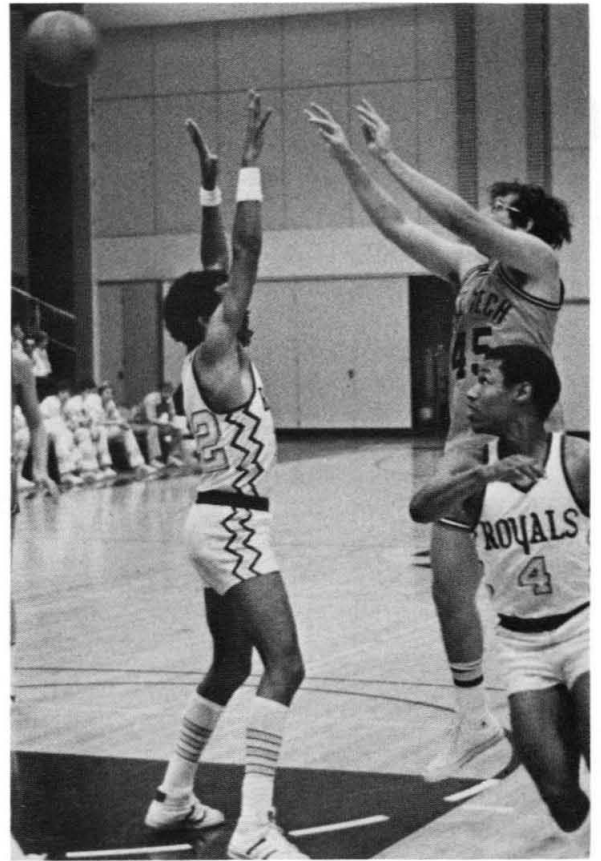
Varsity - Hudson Scott
Junior Varsity - George Fox



VARSITY



left to right: Joe Zasadzinski, John Pender, Greg Blaisdell, Peter Edwards, Curtis Meissner, Charles Curatalo, Ernie Lewis, Beau Lee, Bart Croes, Hudson Scott (coach).



JUNIOR VARSITY



left to right: Robert Burke, Doug Ericson, Cynthia Flanagan, Ed Chan, John Hattick, Eric Nickell, John Reeds, George Fox (asst. coach).

CROSS COUNTRY

CIT	35	UCR	20
CIT	35	PCC	20
CIT	33	Amb	22
CIT	29	CHM	26
CIT	22	Whi	36
CIT	15	LV	45
CIT	22	CLt	35
CIT	50	Oxy	15
CIT	36	Pom	21
CIT	22	Whi	33
CIT	31	Chp	24
CIT	23	LAB	32
CIT	26	Red	31
CIT	24	Whi	31

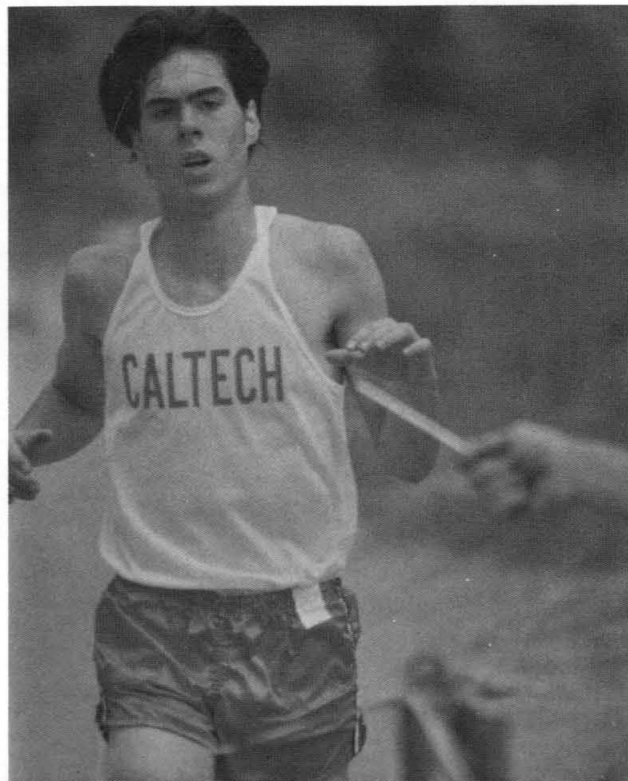
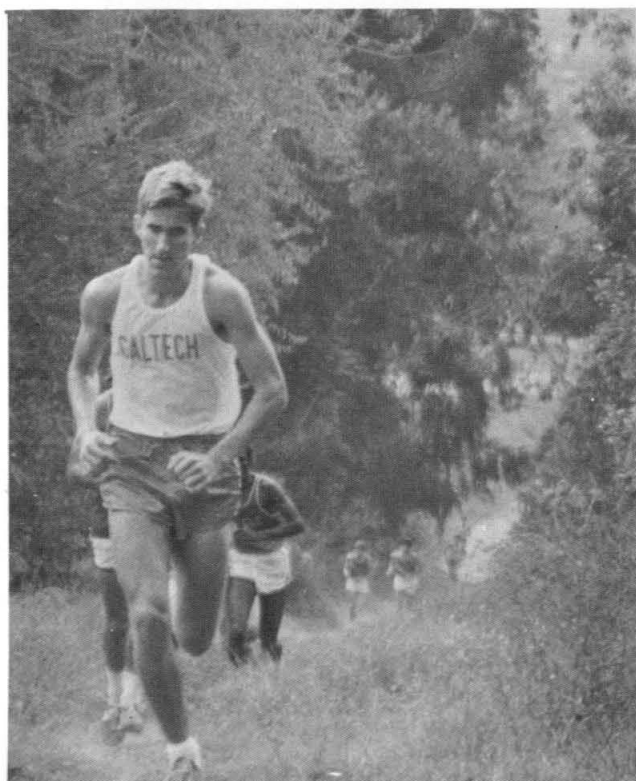
SCIAC 5th
District 9th



Co-Captain Steve Kellogg, Eugene Loh, Co-Captain Bob Bourret, Brett Van Steenwyck, Josh Rothenberg, Tom McCabe, Duane Gray, Ken Campos, Bill Danchi, Coach Leroy Neal. Not Pictured: Davis Finley, Bill Gould, Erik Sirri, Dave Sivertsen.

This season saw the development of a cross-country team that was a real TEAM, starting with a certain dinner at IHOP, and ending with the frosh entertainment at the awards banquet. The trio of Kellogg, Bourret, and Van Steenwyck led the way, followed by 4th man Eugene Loh. Erik Sirri left the team early in the season, and Bill Gould stepped into his place. Tom McCabe and Josh Rothenberg were the other varsity letter earners.

An evenly matched contest with Claremont on the cliffs of Whittier proved to be the high point of the racing season. In a coup de main brought about by outstanding team running, Tech held a commanding lead 4 miles into the 5 mile duel. When victory was but a spear's throw away, a Claremont kick tipped the scales and our hour of glory was denied. Nevertheless, we compiled a 7-7 duel meet record and finished 4th overall in SCIAC. The Paul Barthel Trophy was awarded to Bob Bourret.



TRACK



Coach Leroy Neal, John Chu, Joel Okazaki, Werner Pyka, Duane Boman, Bill Grabam, Don Hamasaki, Norm Murray, Francis Mukai, John Loo, Brett Van Steenwyck, Pui Lam, Brian Sutula, Duane Gray, Davis Finley, Bob Bourret, Greg Blaisdell, John Hattick, Steve Kellogg, Tom McCabe, Bill Gould, Asst. Coach Mark Evans. Not Pictured: Phil Chang, Stan Shipley.

CIT	36	Bio	101
CIT	19	CLt	125
CIT	59	Chp	80
CIT	52	Amb	91
CIT	60	Red	78
CIT	44	CHM	97
CIT	45	Pom	94
CIT	41	Whi	98
CIT	56½	CHM	69½
CIT	79	USI	53
CIT	84	LAB	56
CIT	59	Amb	82
CIT	79	LAP	59
CIT	74	LAB	62

SCIAC 7th
District 15th

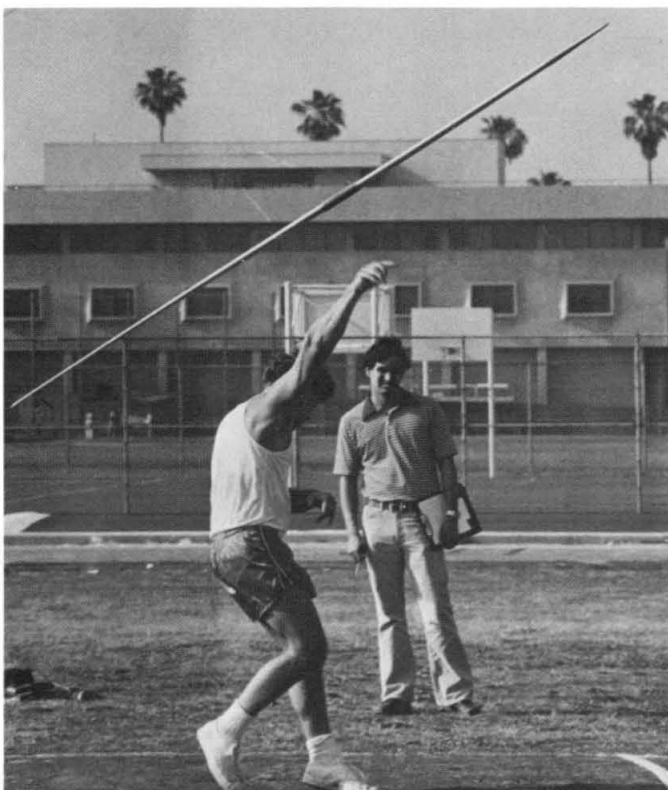
This was the year of the relay. The 440-relay team, composed of Norm Murray, Greg Blaisdell, John Hattick, and Brian Sutula, ran a season's best time of 44.0 and were the only Tech track athletes to qualify for the District Meet. A second mile relay team competed in addition to the first, and on occasion both teams beat the opponent. And then there was the infamous KELROF 24-hr Relay.

It was also a season of improvement which saw most athletes bettering their performances significantly. A growth in team size helped raise our dual meet record to 4-10, but many still competed in a wide variety of events.

High-point man Norm Murray was again named the Outstanding Athlete. As well as running on the 440-relay team, he set team season bests in the 100, 220, 120HH, and shot put. The team's other major point getters were senior Duane Boman, with team bests in the long jump, triple jump, and 440IH, and fieldman Brian Sutula, who set the standards for javelin and discus.

Newcomer John Hattick blasted a 53.0 440 at the SCIAC Finals and received the Most Improved Athlete award.

The distance runners had their day at the District Meet when Brett Van Steenwyck ran an amazing 15:47 5000m and Bob Bourret came up with a 4:10.8 1500m.



Van Steenwyck ascending, McCabe finishing, Pyka heaving, Hattick receiving, Blaisdell passing on.

GOLF

Caltech	0	PCC	54
Caltech	0	Claremont Harvey Mudd	54
Caltech	0	Whittier	54
Caltech	0	Whittier	54
Caltech	0	Claremont Harvey Mudd	54
Caltech	0	Redlands	54
Caltech	0	Pomona Pitzer	54
Caltech	2	Pomona Pitzer	52
Caltech	6	Redlands	48
Caltech	6	Occidental	48
Caltech	0	Occidental	54
Caltech	23	LaVerne A.A.	31
Caltech	0	LaVerne	54



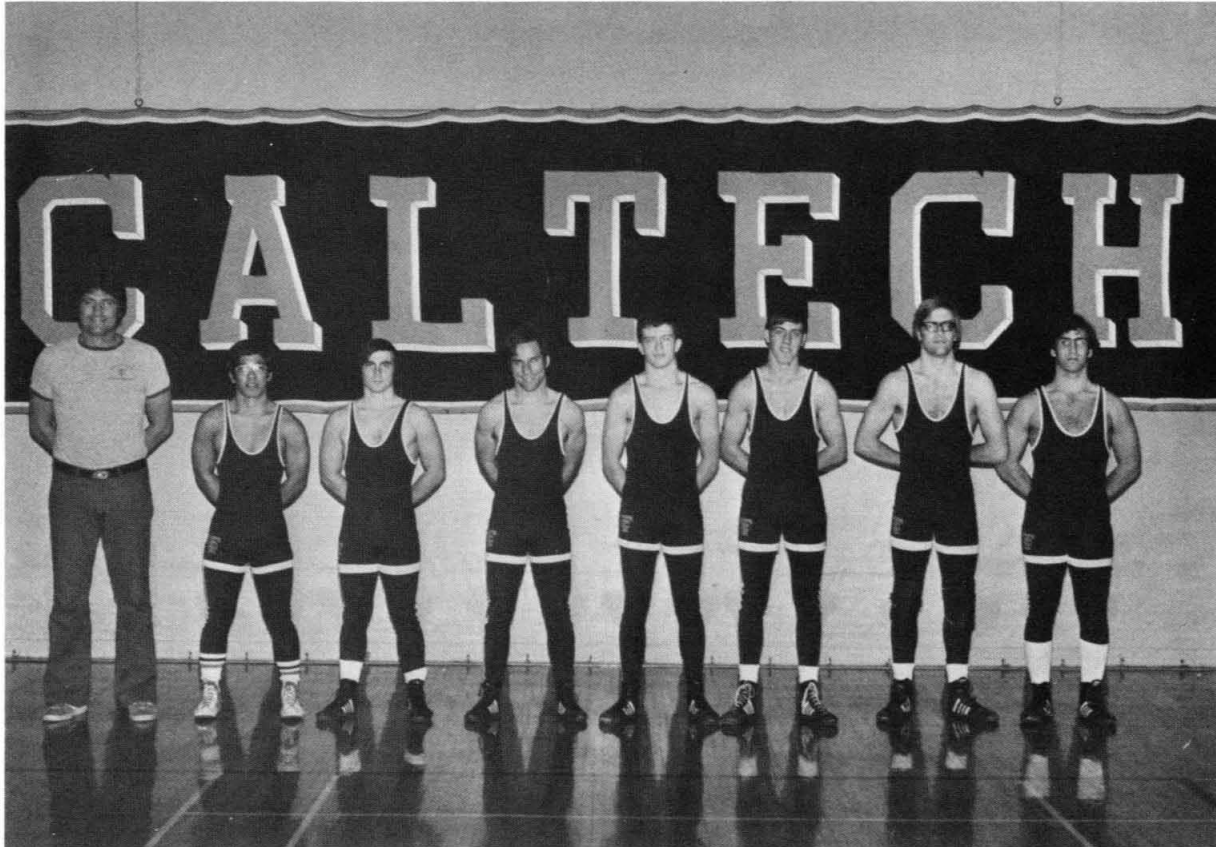
left to right: Hal Cassriel (coach), Doug Jones, Charles Curatalo, Bob Chess (captain), Curt Meissner, Nelson Goldikener. Not Pictured: Alan Boyar, Jim Findley, Francis Mukai.



WRESTLING

Caltech	9	Biola	43
Caltech	11	PCC	39
Caltech	12	Cal State U Northridge	41
Caltech	15	Cal Lutheran	39
Caltech	28	Cal State U Los Angeles	12
Caltech	11	Pomona Pitzer	38
Caltech	12	Claremont Harvey Mudd	33
Caltech	9	Whittier	42
Caltech	37	LaVerne	12
Caltech	33	PCC	24
Caltech	36	Los Angeles Trade Tech	12
Caltech	60	Redlands (forfeit)	0

COACH — Tom Gutman

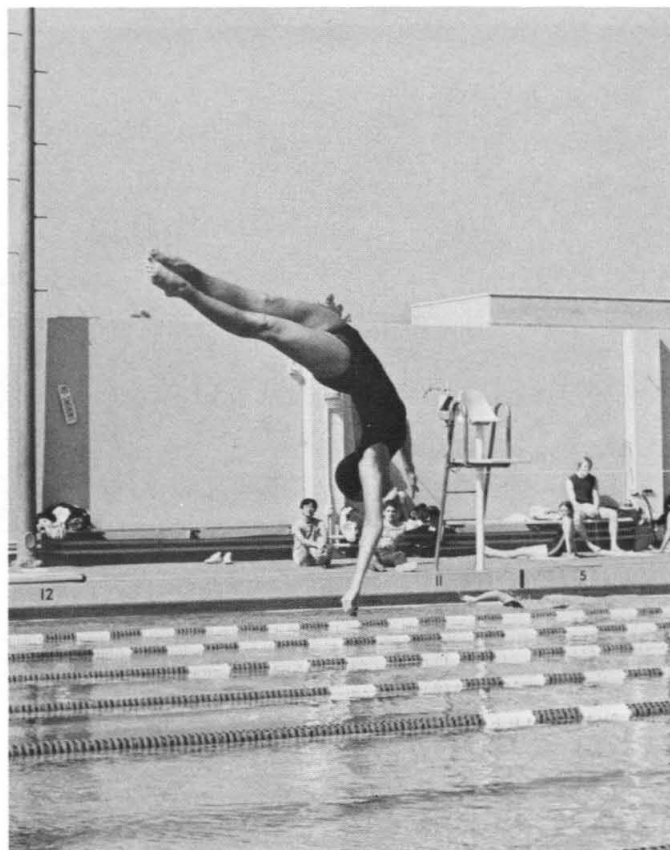


left to right: Tom Gutman (coach), Dale Ota, Louis Testa, Bob Loveman, Mark Fortunato, Chris Russel, Tom Snyder, Dave Marcadis

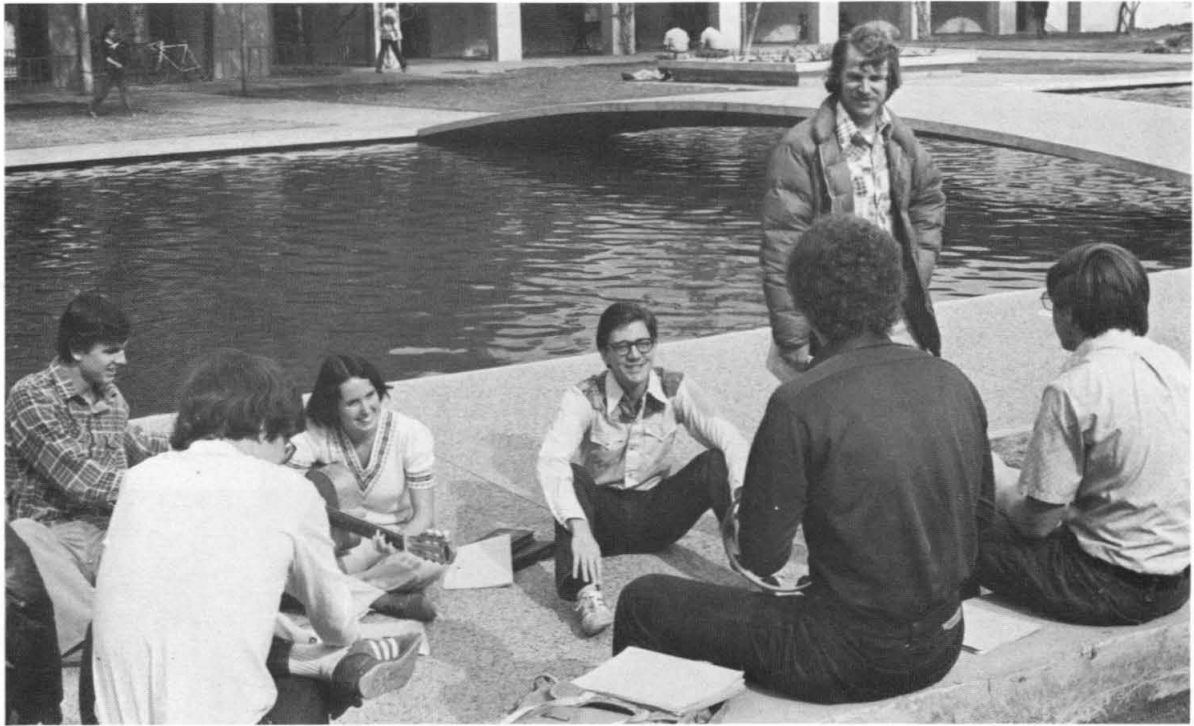
SWIMMING

Caltech	60	Ambassador	50
Caltech	49	U C Riverside	61
Caltech	58	U C San Diego	36
Caltech	25	Pomona Pitzer	68
Caltech	37	Whittier	67
Caltech	10	Claremont Harvey Mudd	96
Caltech	77	Ambassador	35
Caltech	49	East Los Angeles JC	59
Caltech	24	Occidental	80
Caltech	54	Redlands	49

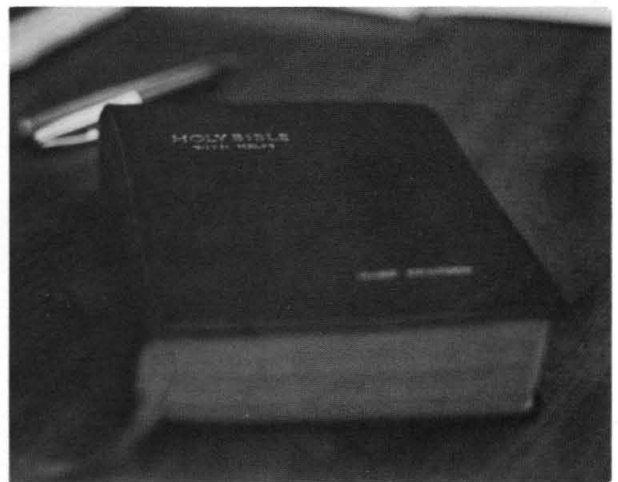
COACH — Ed Spencer

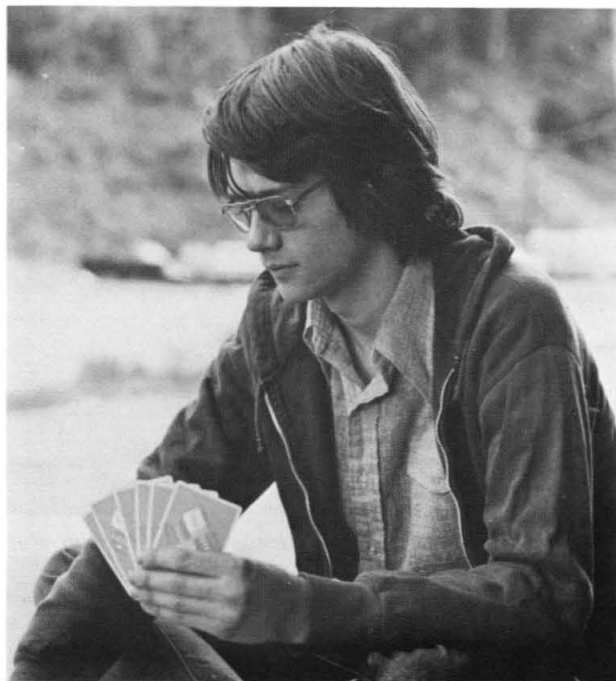


Front Row: Lynn Hildeman, Angela McTaggart, Stanzi Royden, Becky Hartsfield (captain), Pam Crane. Back Row: Chris Sexton, Doug Jones, Peter Goodwin, Ed Bielecki, Werner Pyka. Jim Seidel (captain), Josh Levin, John Reimer, Jim Findley. On Deck: Susan Fuhs, Ed Spencer (coach), Stan Chen. Not Pictured: Shevaun Gilley, Ray Morris.



CALTECH CHRISTIAN FELLOWSHIP





Sing a new song to the LORD!
Sing to the LORD, all the world!

Sing to the LORD, and praise him!
Proclaim everyday the good

Sing a new song to the LORD!
Sing to the LORD, all the world!

Sing to the LORD, and praise him!
Proclaim every day the good news
that he has saved us.

Proclaim his glory to the nations,
His mighty acts to all peoples.

Psalm 96:1-3 TEV

CINEMATECH



Standing (l. to r.): Sangtee Kim, Bill Schmidke, Mike Higashi, David Shenton.
Sitting (l. to r.): Dan Whelan, Bart Jackson, Pam Barbus, Steve Walton, Mike Kurilla. Far out of picture: Veit Elser.

- Persona
- Pat and Mike
- The Lodger
- Faust
- After the Fox
- Stagecoach
- The Petrified Forest
- Sanjuro
- Fahrenheit 451
- Zachariah
- The General
- Duck Soup
- The Pearl of Death
- Lawrence of Arabia
- Claire's Knee
- A Dandy in Aspic
- March of the Wooden Soldiers
- The Illustrated Man

Beginning in September, after the best series ever, but worst financially, a small but hearty band of few veterans and mostly amateurs began Cinematech under the direction of Steve Walton. The fall series was under way quickly, beginning with Bergman and ending with John Wayne, and red from start to finish. The winter series came in with Bogart. Fahrenheit 451 was the series peak that started to stem the red tide. The series end was speechless. The spring series marked the addition of new blood and the gradual fading of Steve and the rise of Mike and Dan which is also called Dan and Mike by one member of the group. The highlight of the series however was *Lawrence of Arabia* which unexpectedly filled the house, forcing people to be turned away. With summer getting a late start, the chairmen look forward to next September and hope that maybe Veit will learn how to tear tickets, Dave will learn how to be nice to customers, Mike H. will learn to pour drinks faster, Sang will come to more shows, Bill will stay awake for more films, Bart will project in San Diego, and finally, that Steve and Pam will never learn what Mike and Dan did to Cinematech.

- The Thin Man
- Captain Blood
- Way Down East
- Alice in Wonderland
- Wait Until Dark
- Grand Illusion
- 8½
- Seduction of Mimi
- King Lear
- Alexander Nevsky
- North by Northwest
- Before the Revolution
- Coconuts
- The Bank Dick
- Things to Come
- Bed and Board
- Les Mignons
- Touch of Evil

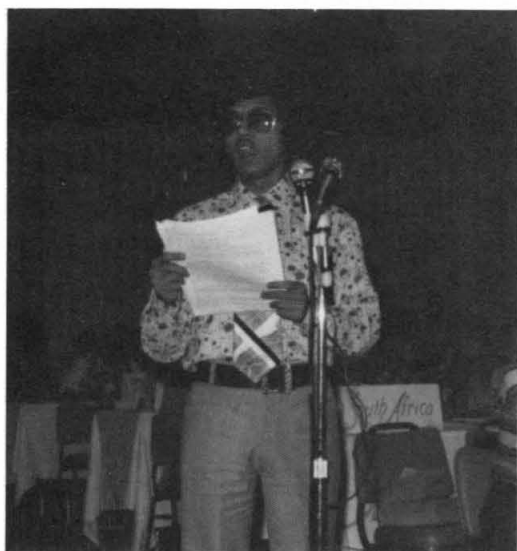
MODEL UNITED NATIONS



Tad Hogg and Tom Snyder (above)



Each year approximately one thousand students from close to one hundred colleges meet for the Model United Nations. Each school represents a different country, with Caltech representing Kenya last year. The Model United Nations offers students a chance to learn about other countries, international politics, and current events. But it also offers participants a chance to see how the other half lives since practically everyone there is a liberal arts major. All in all the Model United Nations is a good experience.

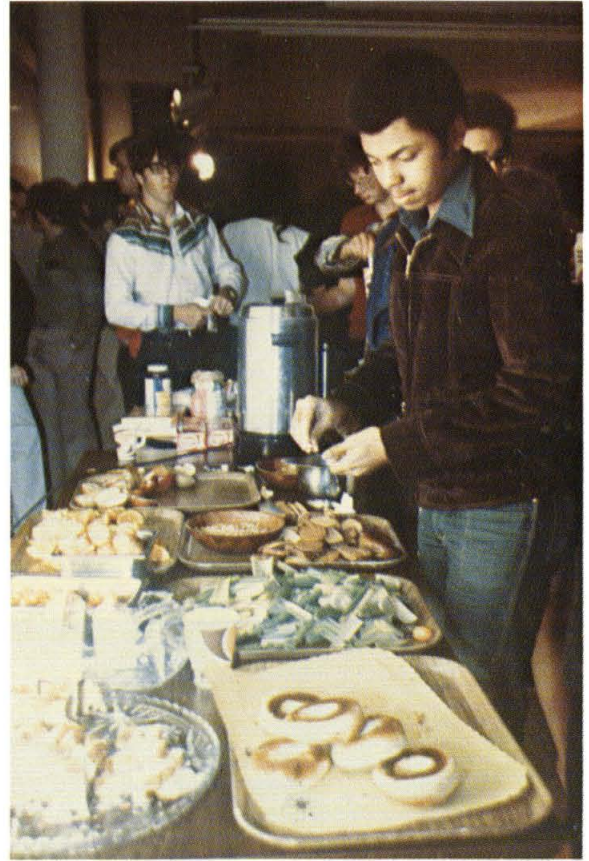


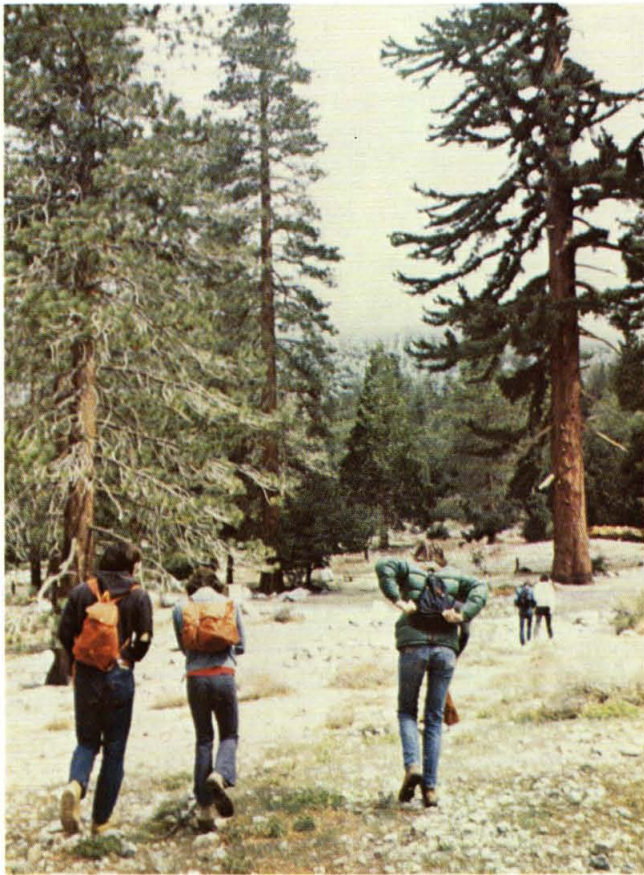
Shri Garde



Doug Rountree and Richard Ackerman

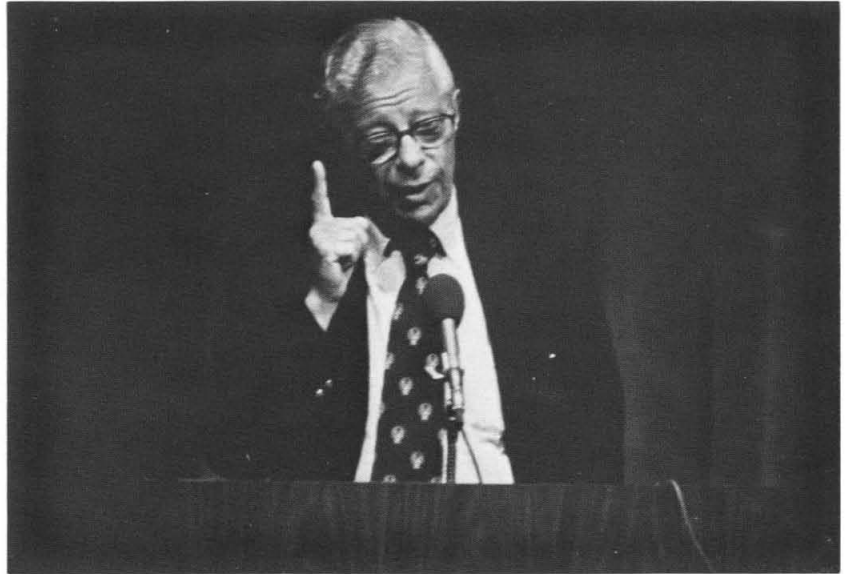
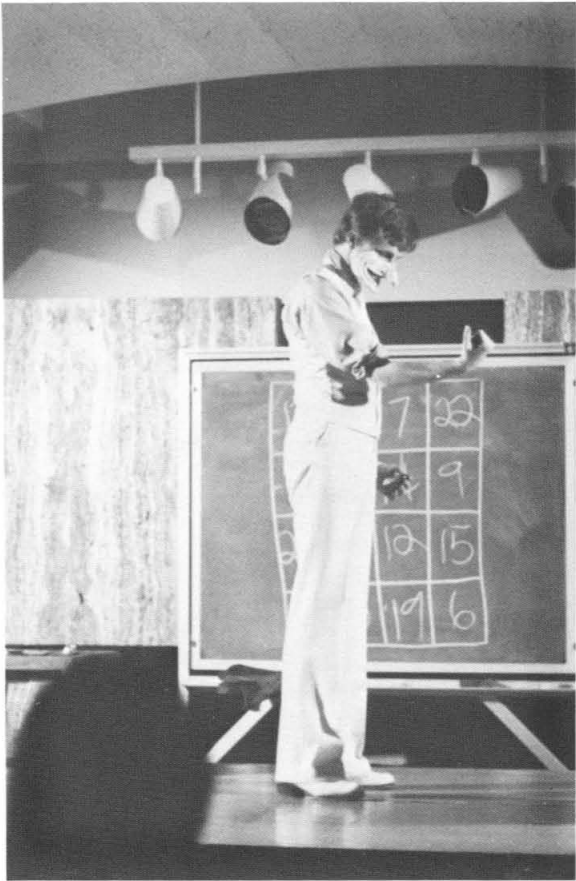
CALTECH Y

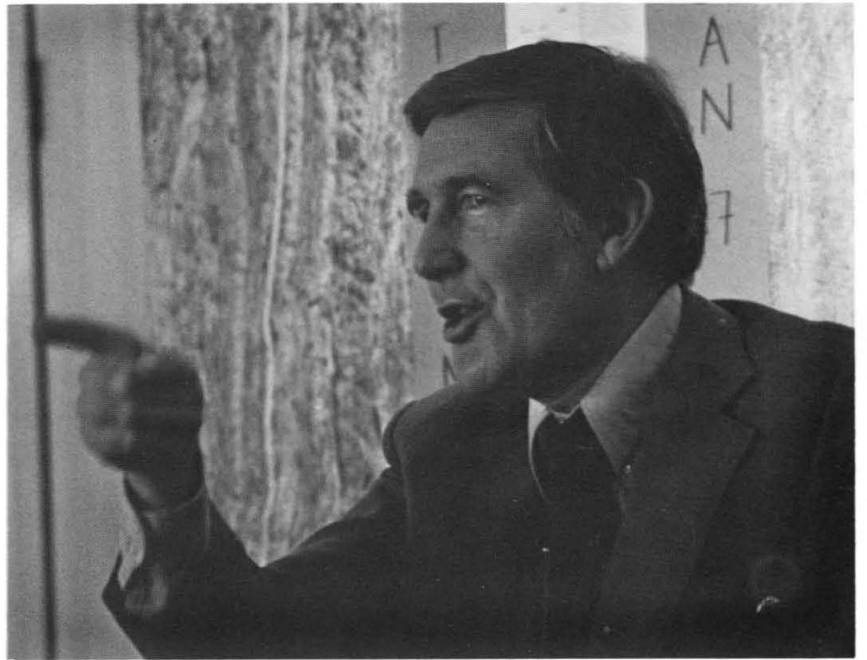
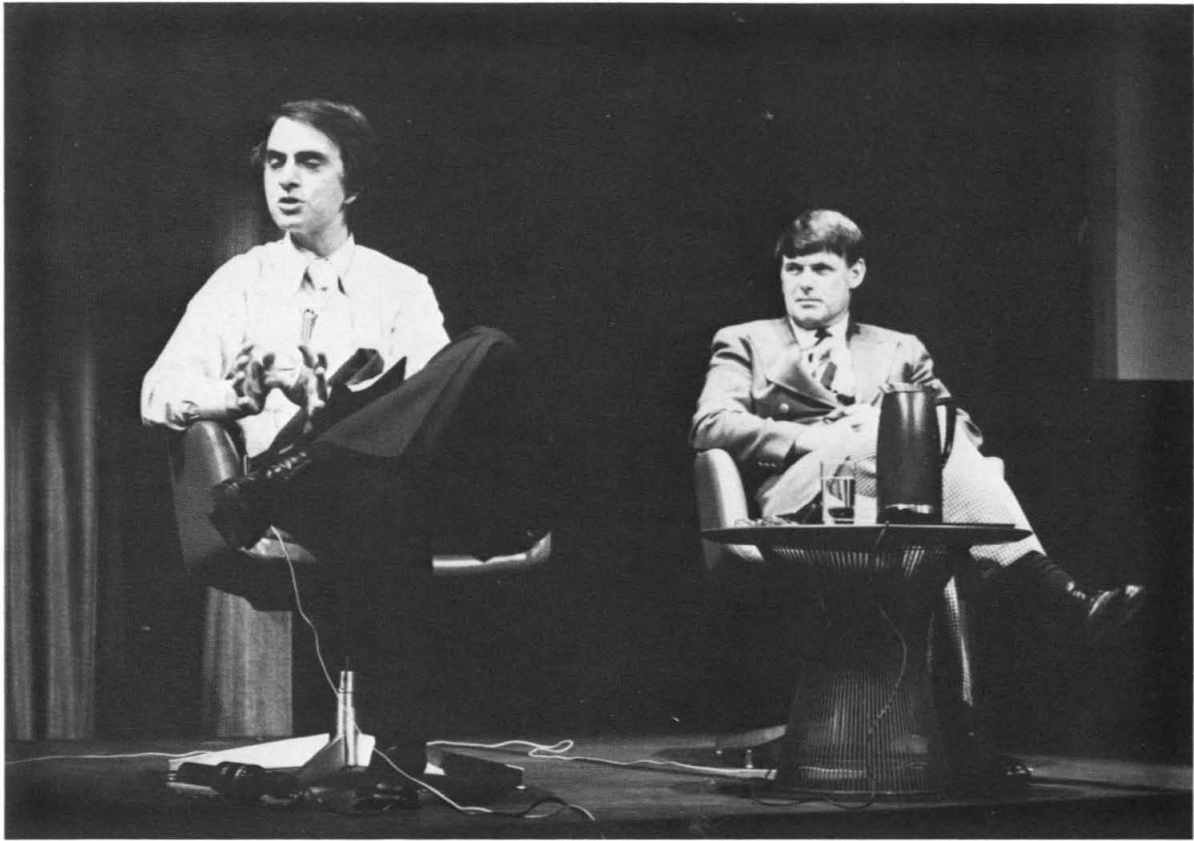






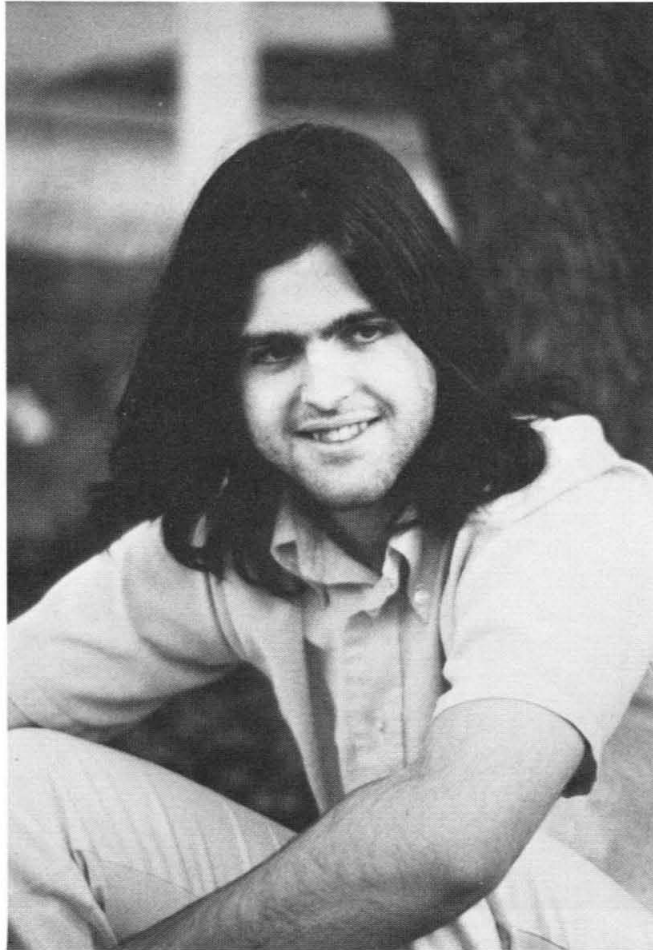




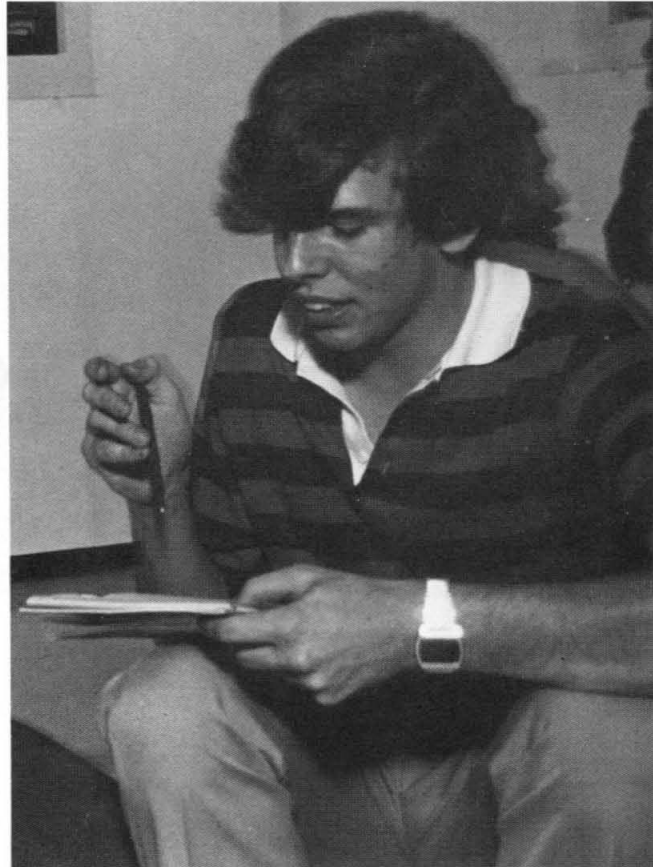


THE CALIFORNIA TECH

Volume LXXXVIII Read by Gods and Warriors. And Men who can handle it. Pasadena, California



Ever read Machiavelli?

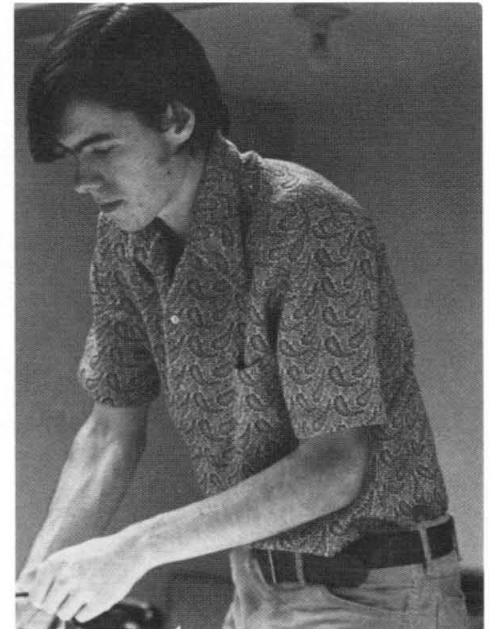


Boy, wait'll the *New York Times* sees this, Harold . . .

If
I
were
a
father
and
had
a
daughter
who
was
seduced,
I
would
not
despair
of
her.
I
would
hope
for
her
salvation

But
if
I
had
a
son
who
became
a
journalist
and
remained
one
for
five
years,
I
would
give
him
up.

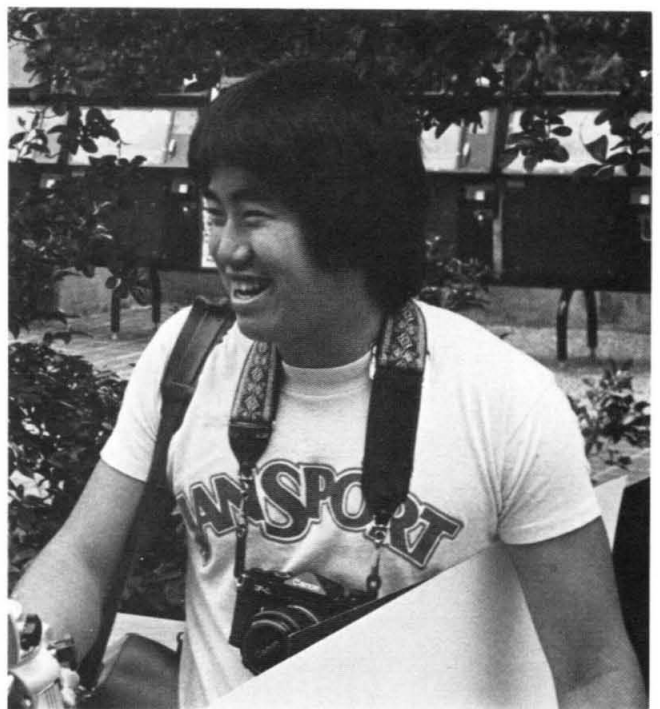
Søren Kierkegaard



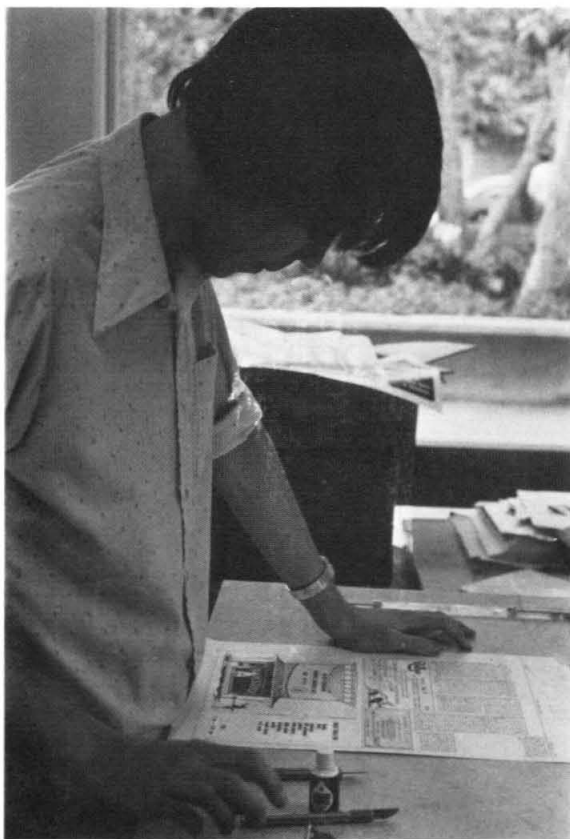
Don't worry. I'll throw this out of the window as soon as it comes off.



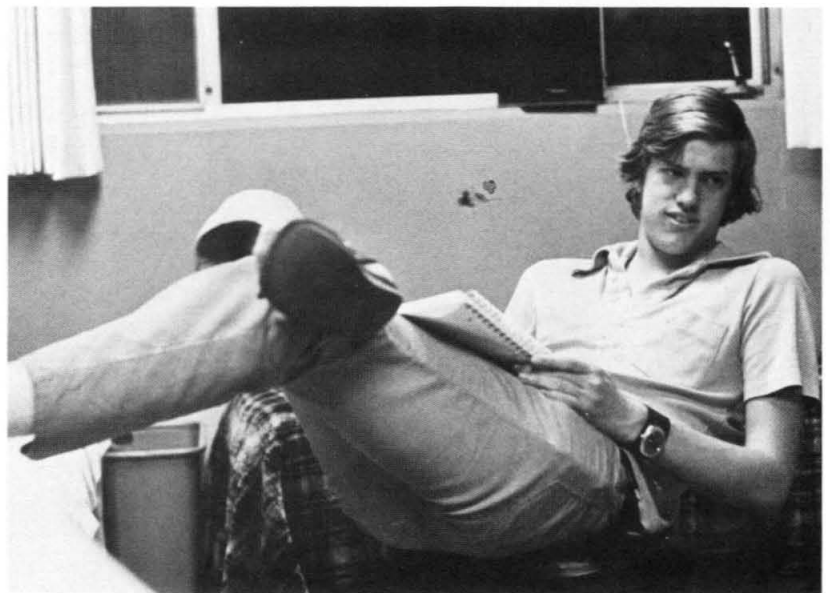
Ruzzhh fruzzh murhgh erghh . . .



Me? A photographer?

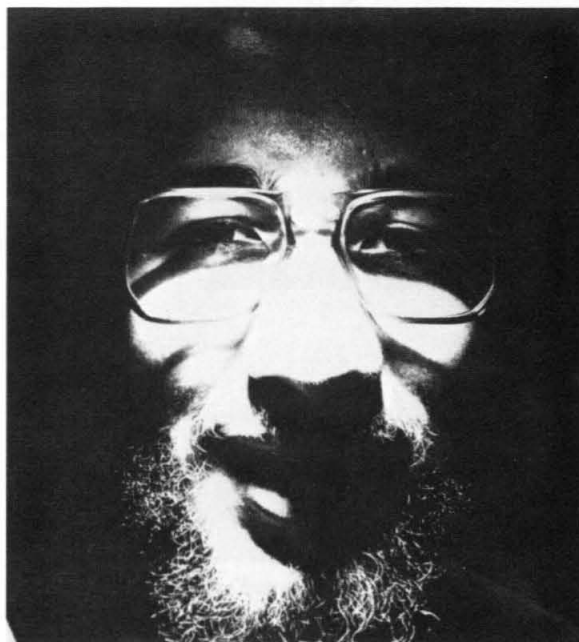


Why did I ever leave McDonald's?



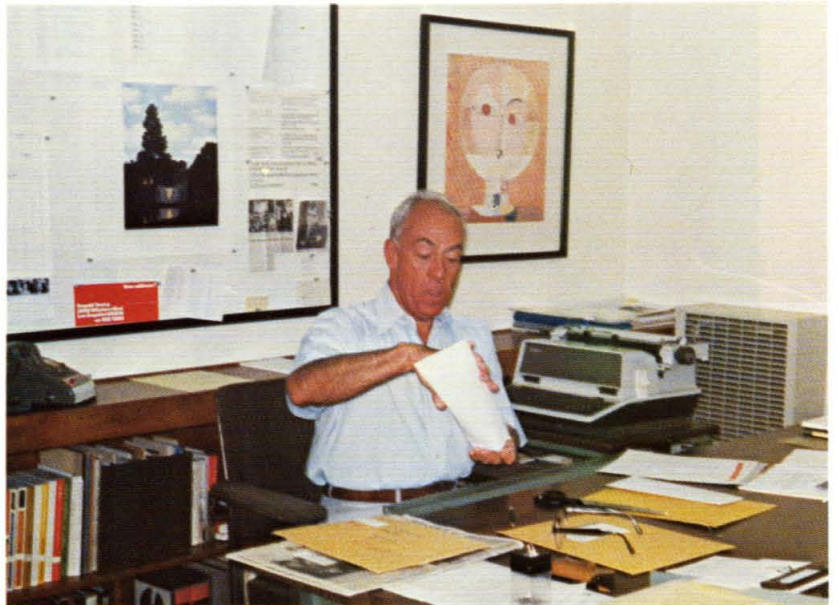
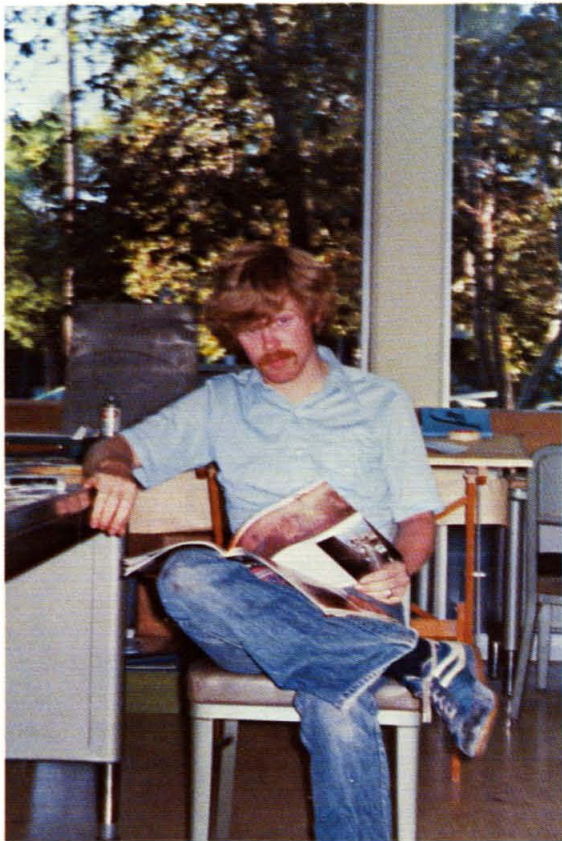
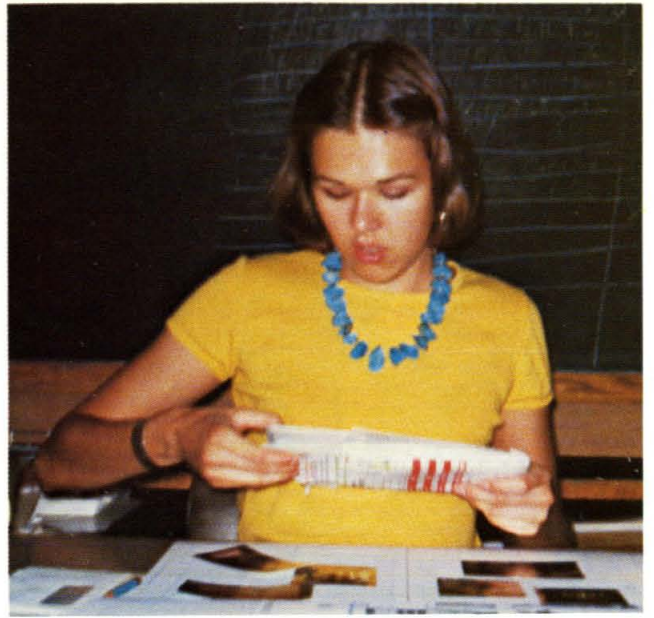
Get that *paper* out of this room!

Editors-in-Chief
(in order of disappearance)
 Sandy McCorquodale
 Carl Lydick
 Gregg Brown
 Henry Fuhrmann
 Kevin Drum
(still banging on)
 Al Kellner



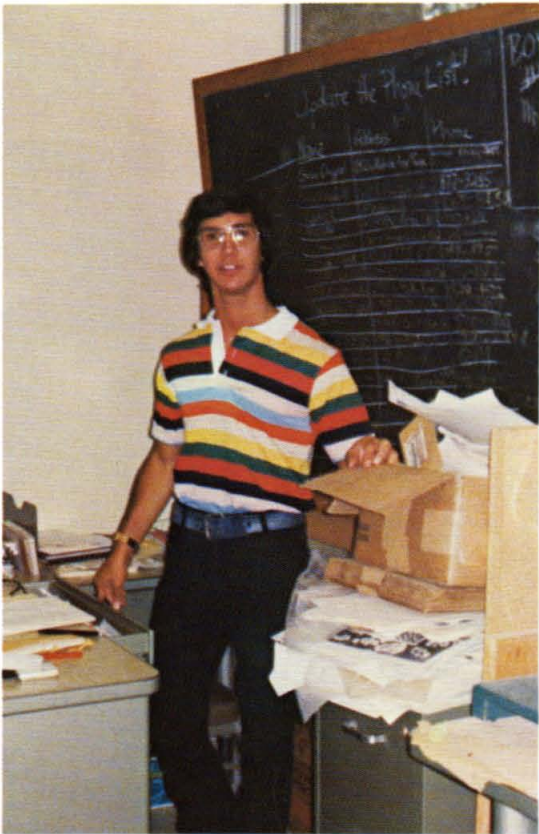
See, my Nikon F gives me a stabilized cosmic vision of my Kodachromic karma leading me across the schismatic Kierkegaardian void into a developing nirvana in 35 mm . . .

The Big T

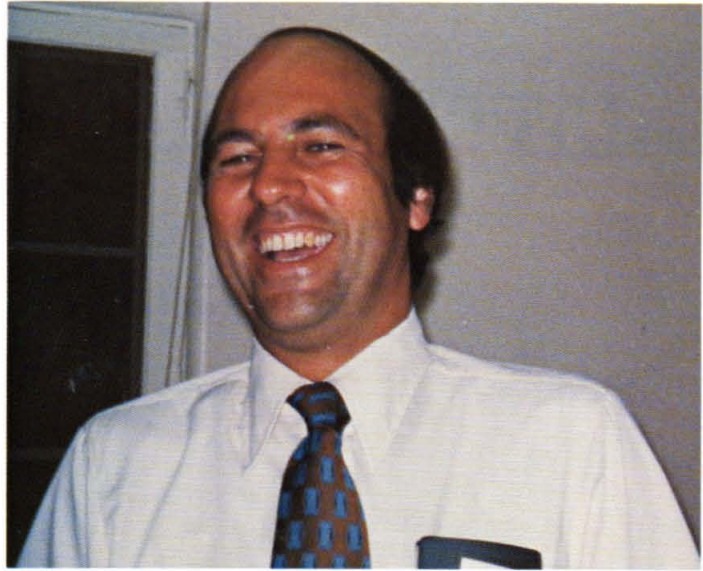


"It's always so hard to get the little prizes out of these bags."





"What do you mean my rubber checks are no good?"



Would you buy a used Pentax from this man?



*Pictured; in order of decreasing height: Stan Cohn, Pamela Crane, Dave Wheeler
Ray Gildner.*

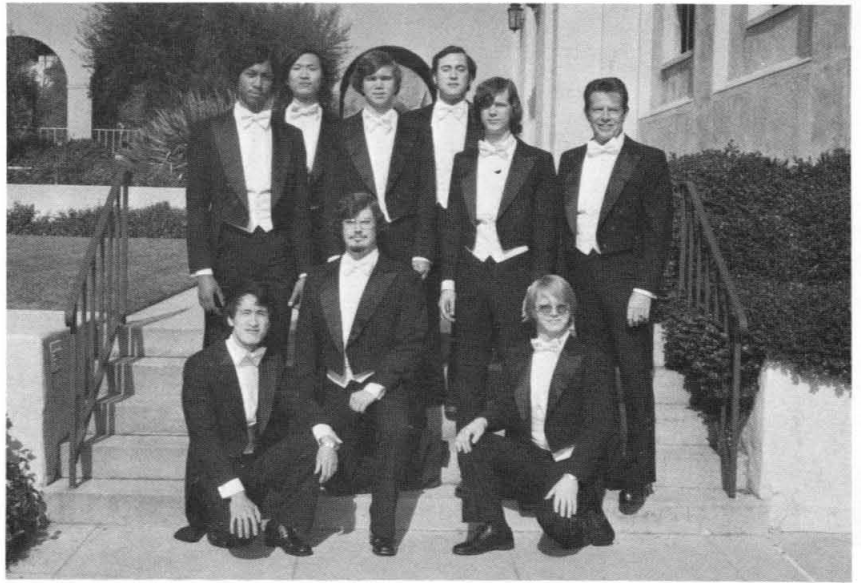
CALTECH CHORAL ENSEMBLES

GLEE CLUB
MEN'S SECTION

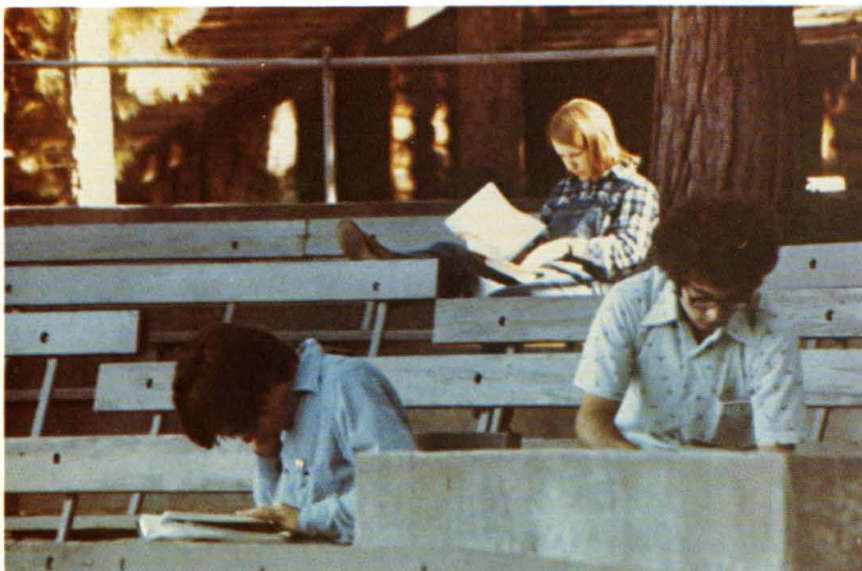


CHAMBER SINGERS

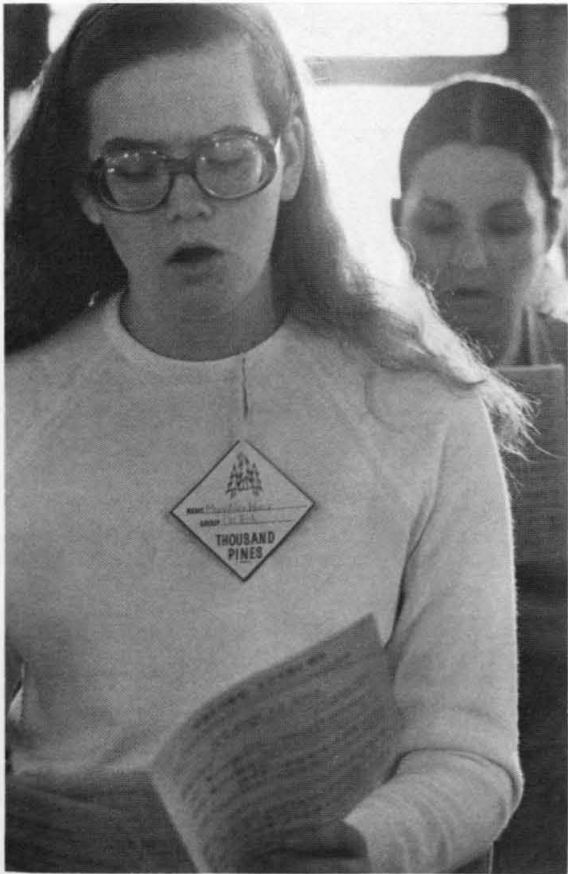
APOLLO SINGERS

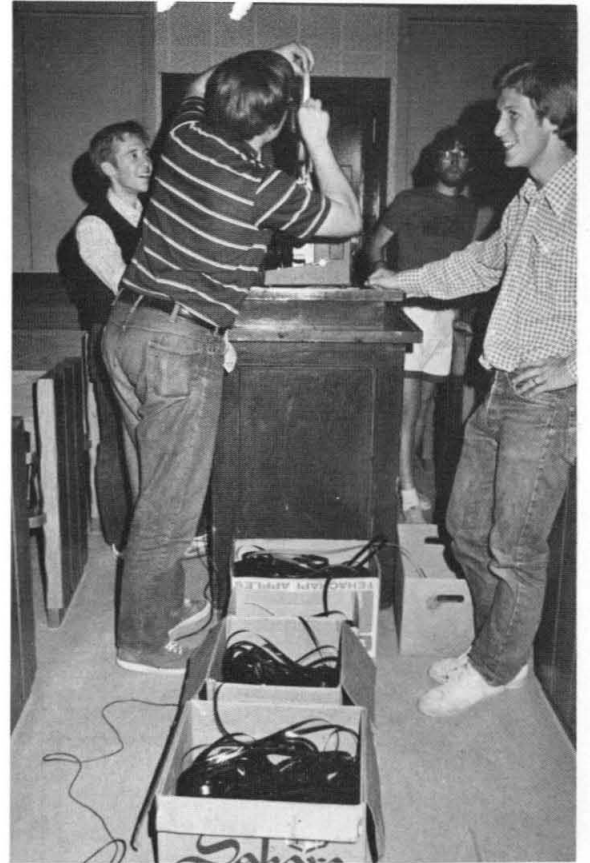
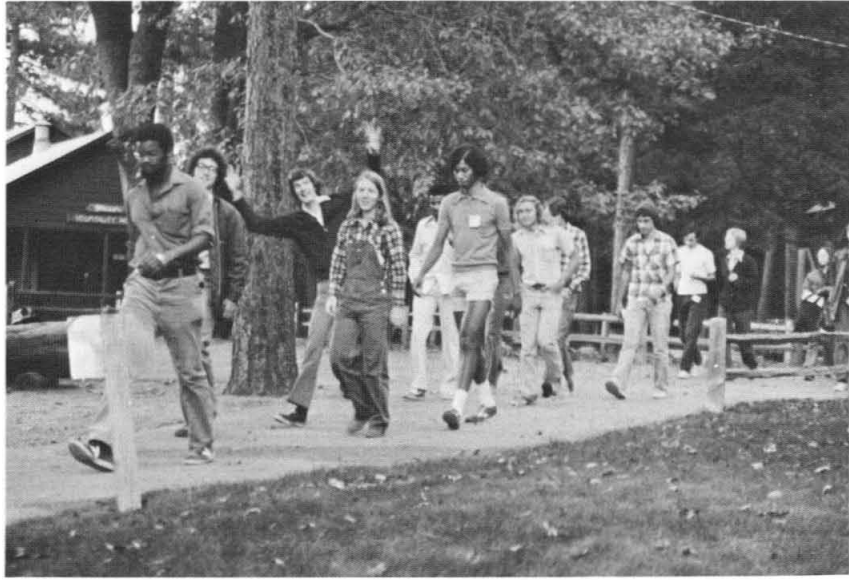


GLEE CLUB
WOMEN'S SECTION













Seniors & Faculty

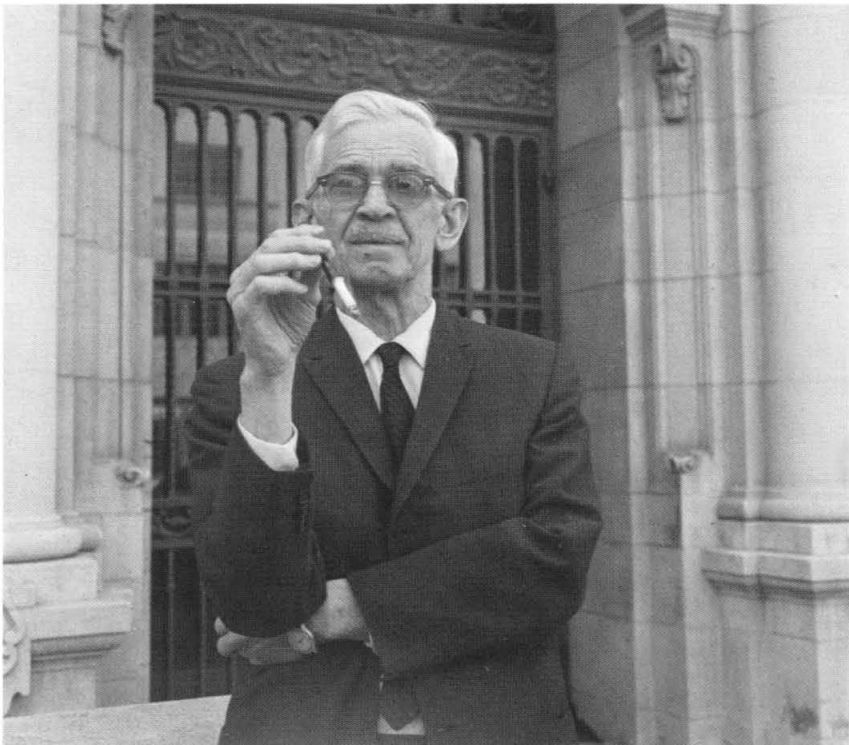
IN MEMORIAM

*Death is but crossing the world,
as friends do the seas;
they live in one another still.*

—William Penn



*Pictured; clockwise from upper right:
Donald Sherman Clark, Jesse William
Monroe DuMond, Arie Jan Haagen-
Smit*



Bob Harrison

Sanford Long

Paul Mason

Ergo vivida vis animi pervicit, et extra
Processit longe flammantia moenia mundi
Atque omne immensum peragravit mente animoque.
Lucretius

*Pictured; clockwise from upper left:
William Noble Lacey, James Olds,
Don M. Yost*

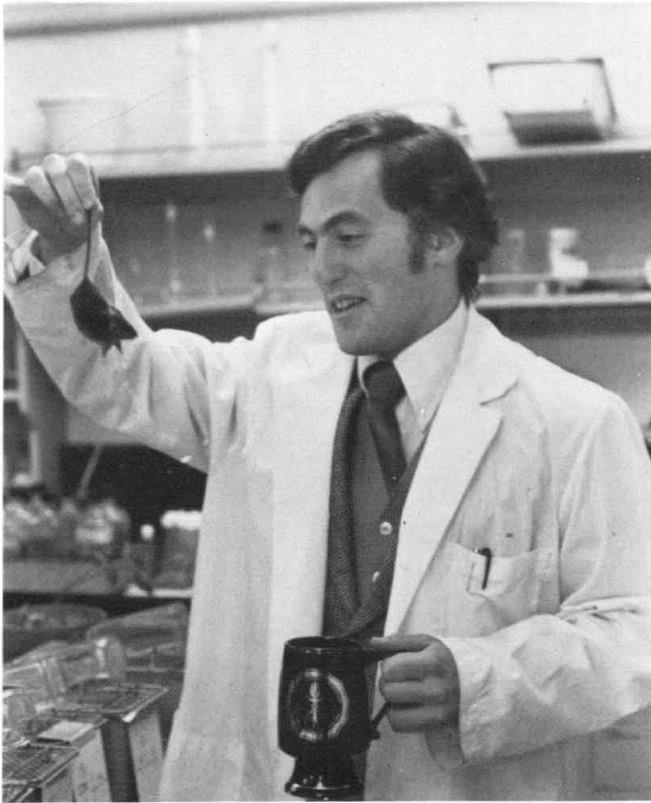
BIOLOGY



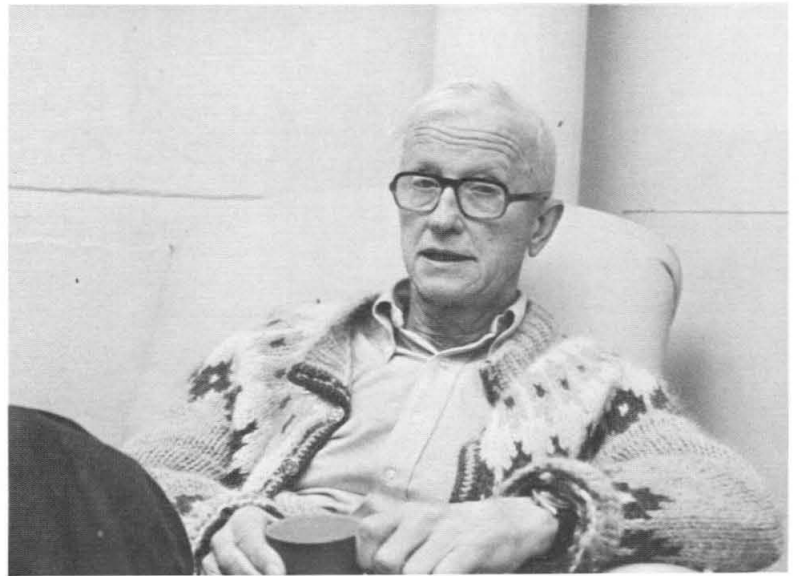
*James F. Bonner
Professor of Biology*

*John Wen-Kiang Chu
Biology
Los Angeles, California*





*Stephens Mitchell Comens
Biology
St. Louis, Missouri*



*Max Delbruck
Professor of Biology
Nobel Laureate*



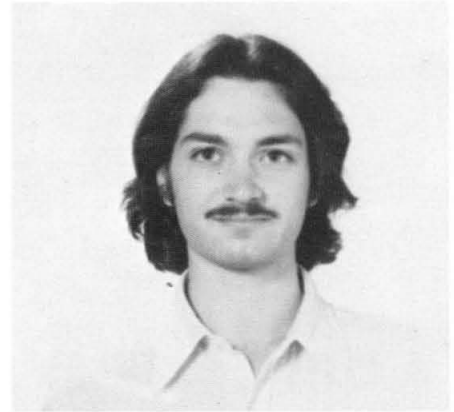
*Thomas James Estes
Biology
San Diego, California*



*Judith Sharon Greengard
Biology
Holon, Israel*



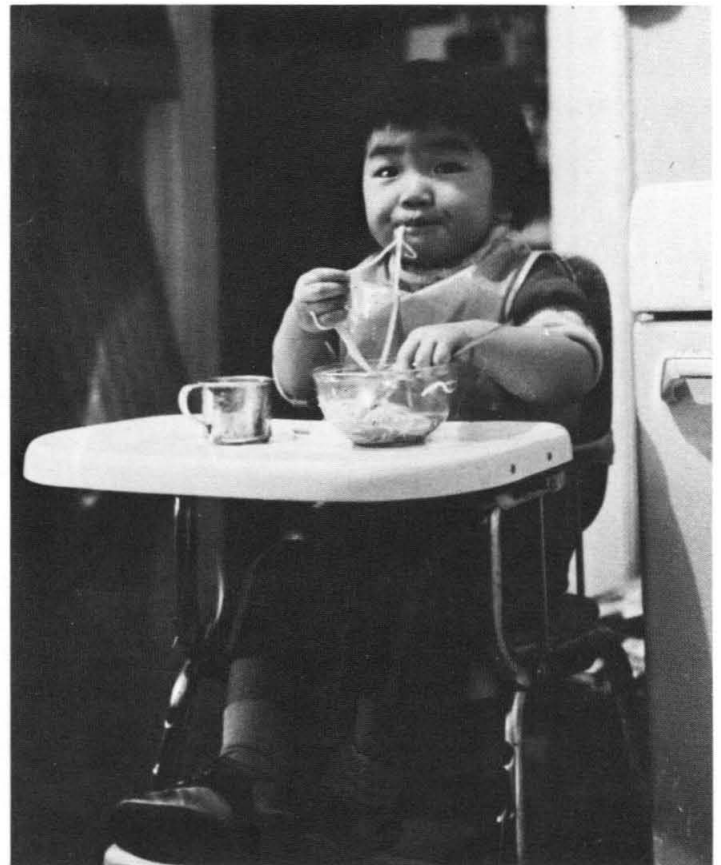
Masakazu Konishi
Professor of Biology



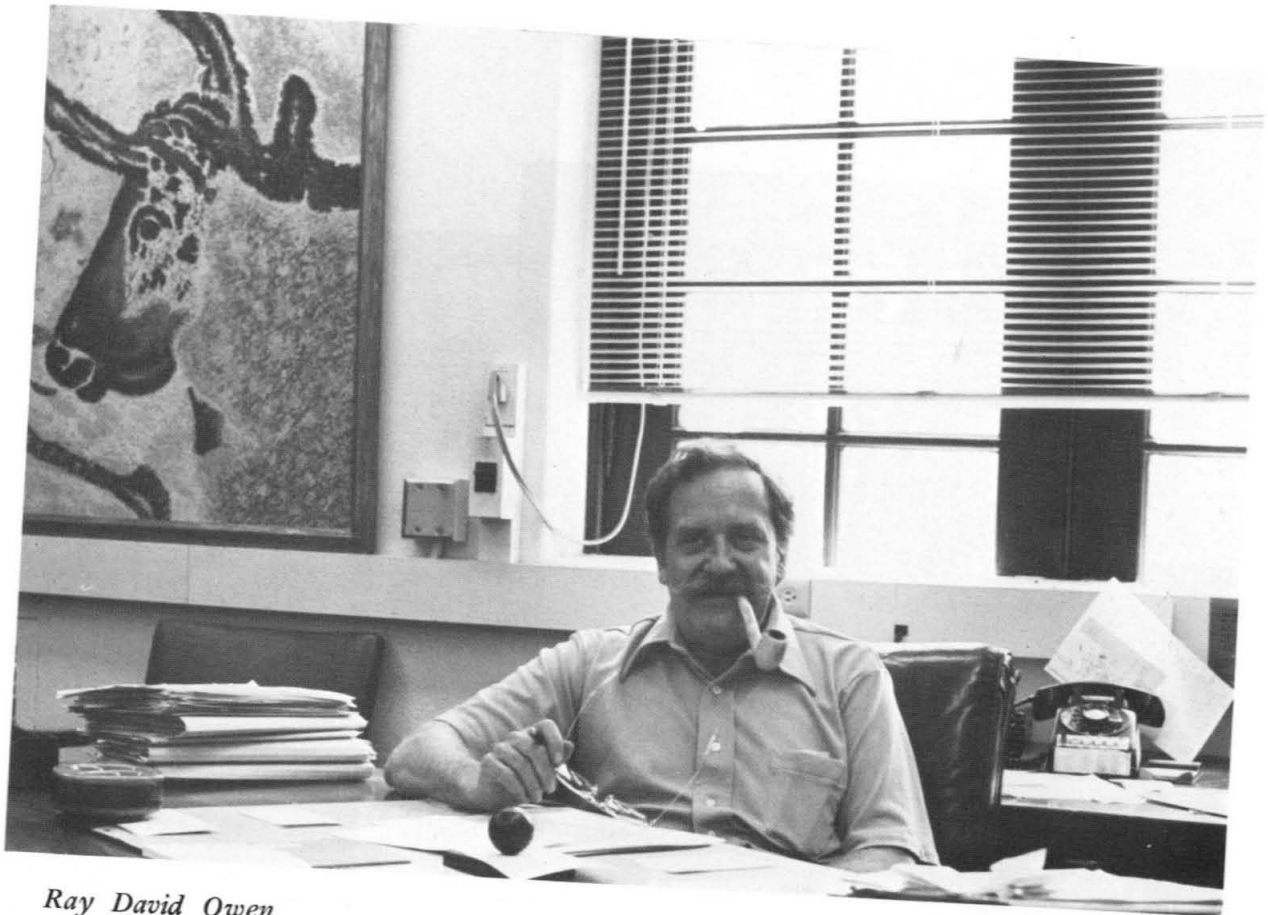
Steven Jaffe
Biology
San Mateo, California



John D. Pettigrew
Associate Professor of Biology



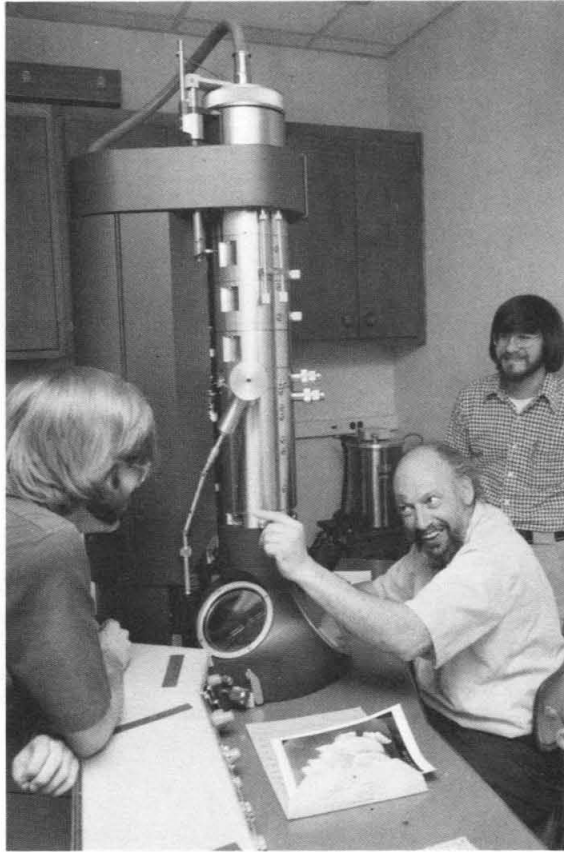
Ryn Miake
Biology
Laguna Beach, California



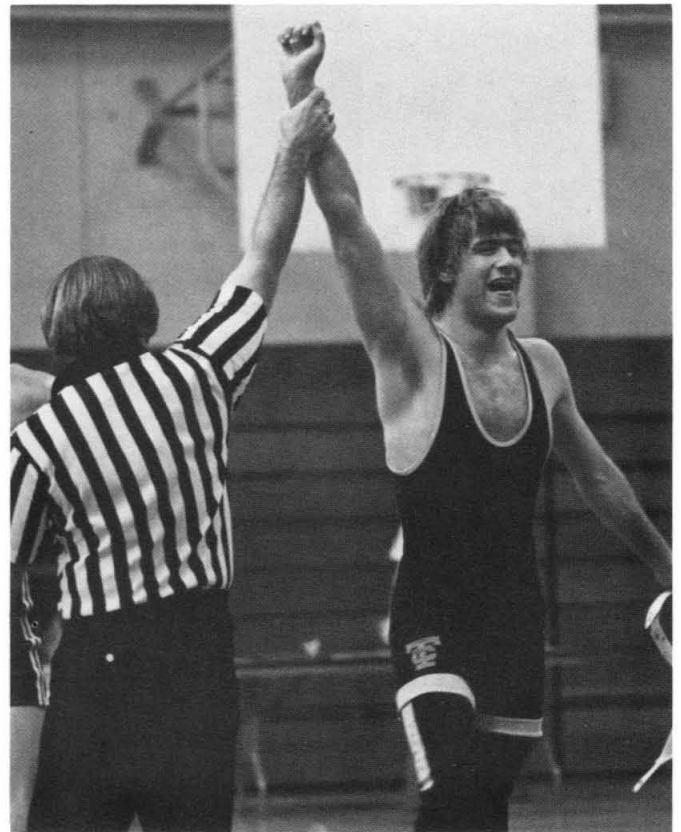
*Ray David Owen
Professor of Biology
Dean of Students*



*Leslie E. Peterson
Biology/Engineering and Applied Science
Everett, Washington*



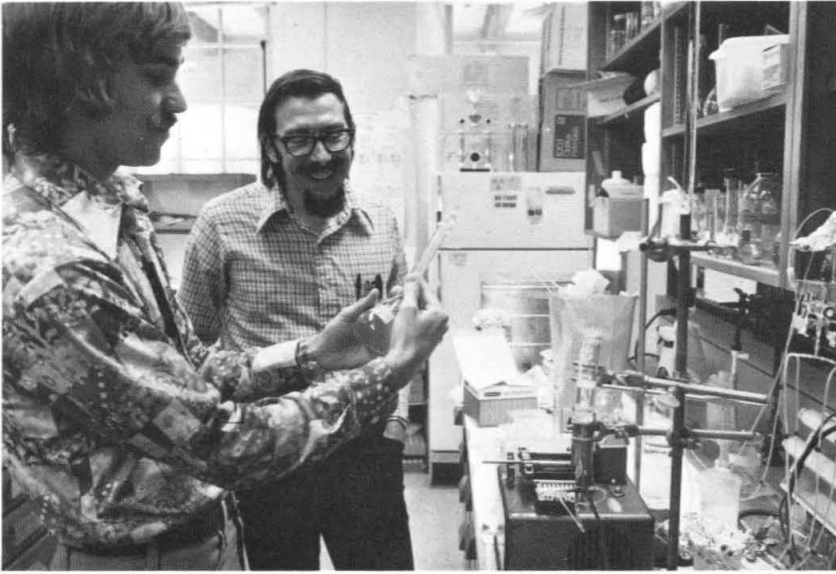
Jean-Paul Revel
Professor of Biology



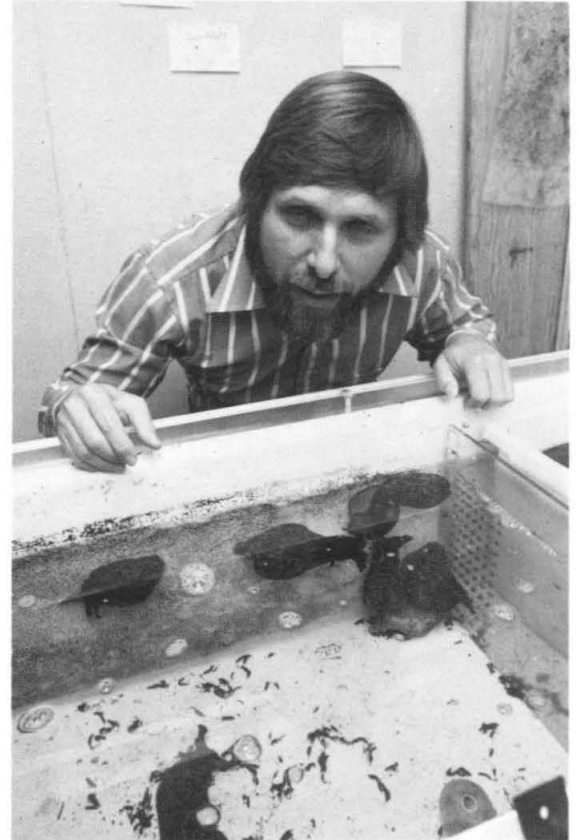
Thomas Deane Snyder
Biology
Fargo, North Dakota



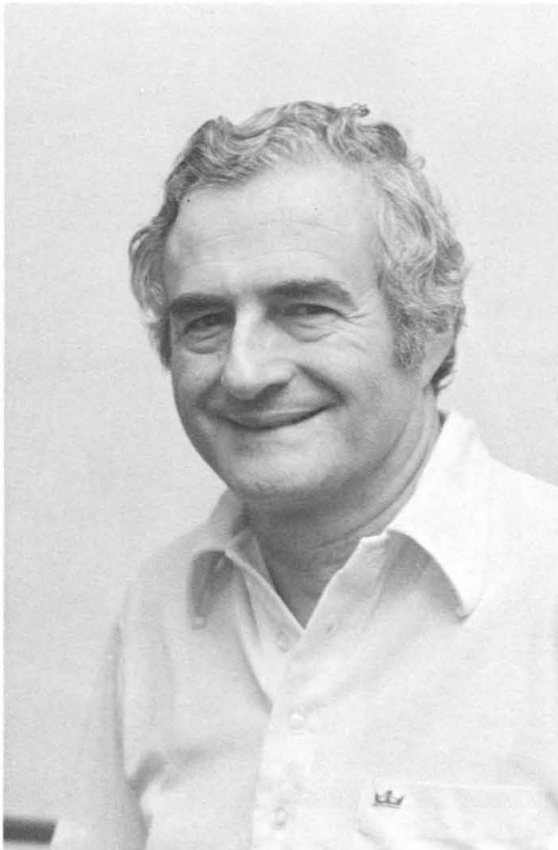
Stewart Scherer
Biology
Yonkers, New York



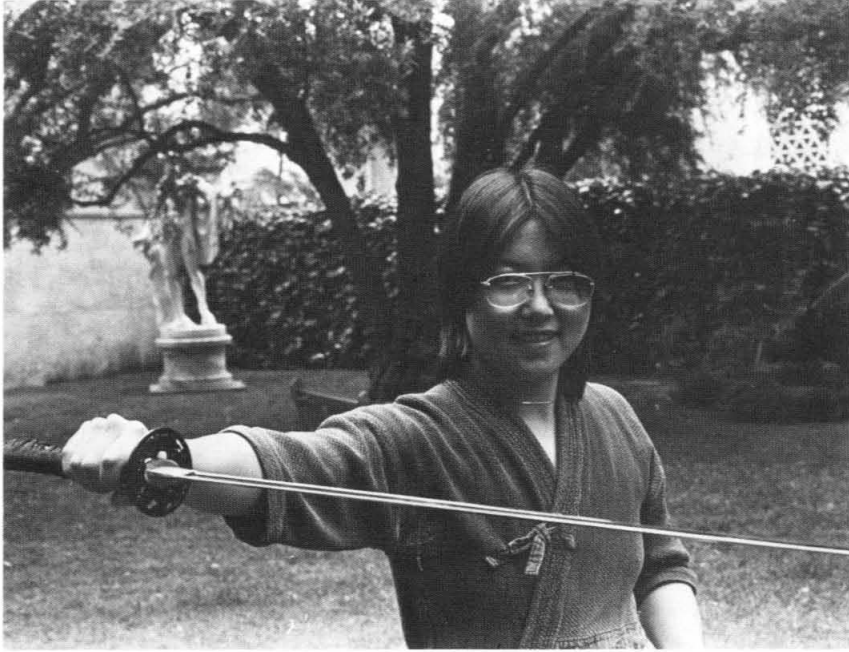
James Henry Strauss
Associate Professor of Biology



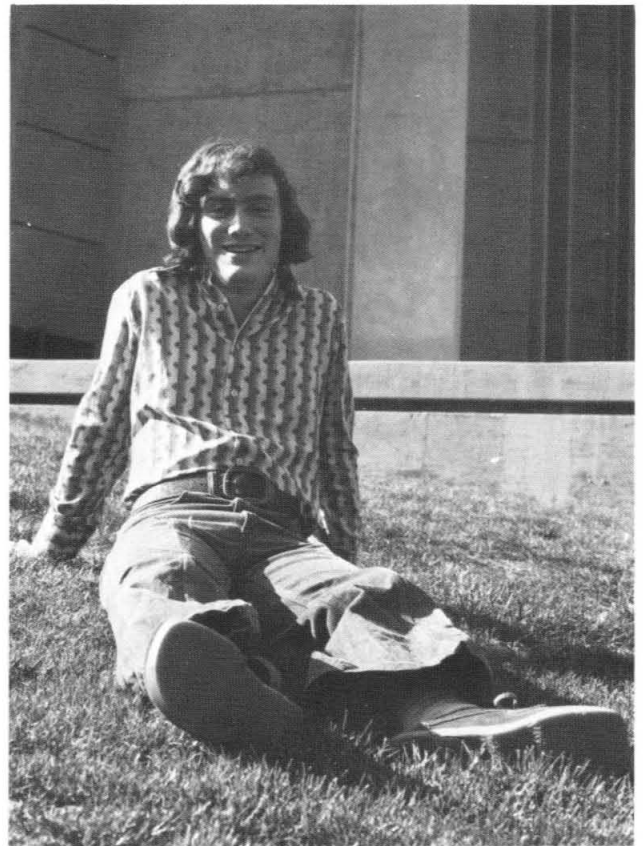
Felix Strumwasser
Professor of Biology



Robert Louis Sinsheimer
Professor of Biophysics
Chairman of Division of Biology
1968-1977



*Jean Uwate
Biology
Whittier, California*



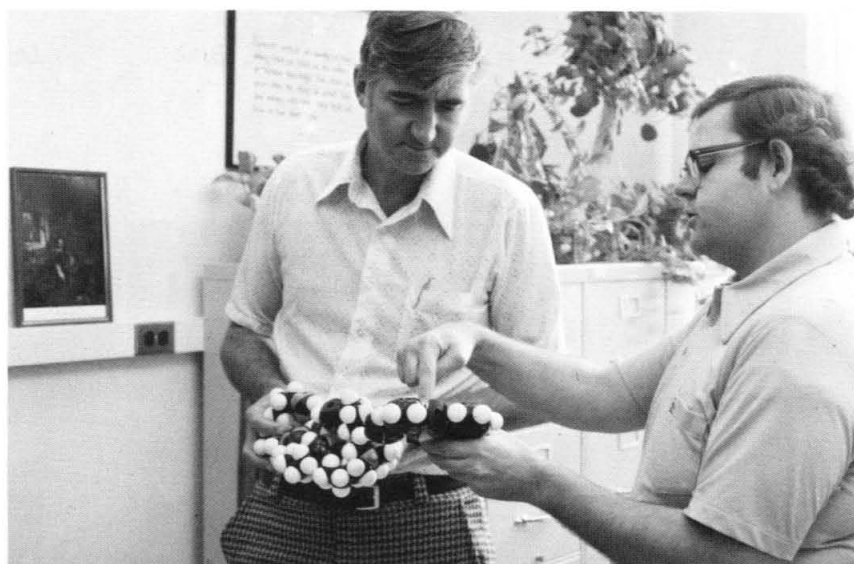
*Maurice Saul Zwass
Biology
Sherman Oaks, California*



CHEMISTRY AND CHEMICAL ENGINEERING



*Jesse Lee Beauchamp
Professor of Chemistry*



*Fred Colvig Anson
Professor of Chemistry*

*Robert R. Gagne
Assistant Professor of Chemistry*



*Richard Paul Vasquez
Chemistry
Des Moines, Iowa*

Flora Boyer

*John Joseph Barton
Chemistry
Pasadena, California*

Meef

Blue

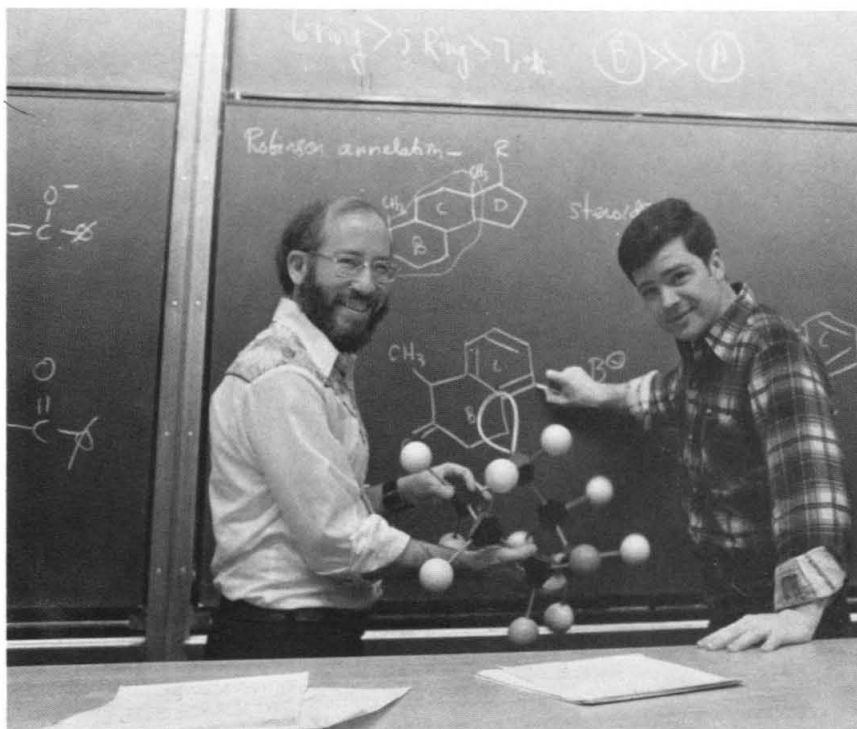
Don Miller

Comic Relief



*Jeffrey C. Blinn
Chemical Engineering
Green Bay, Wisconsin*

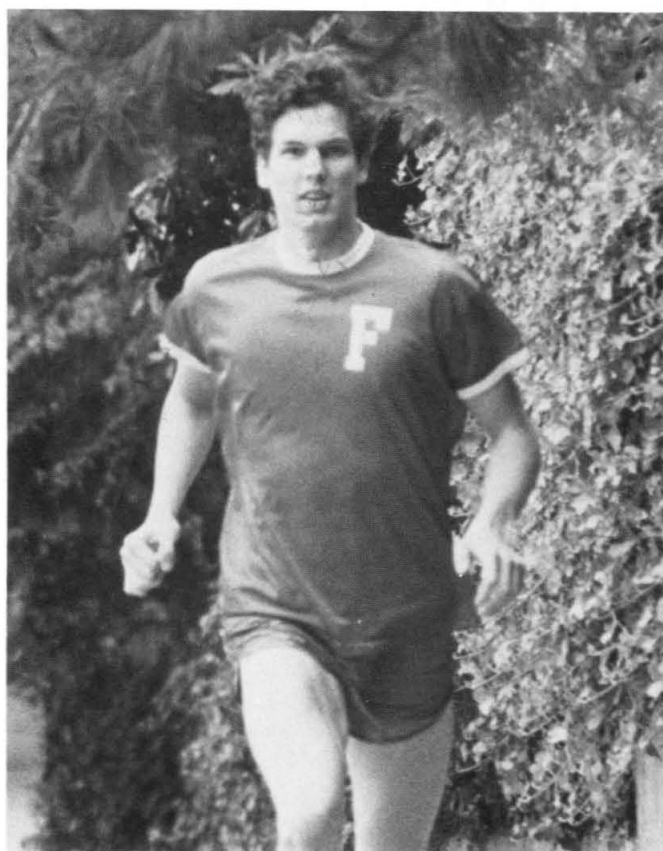
*Kevin Marc Gromley
Chemical Engineering
Valparaiso, Indiana*



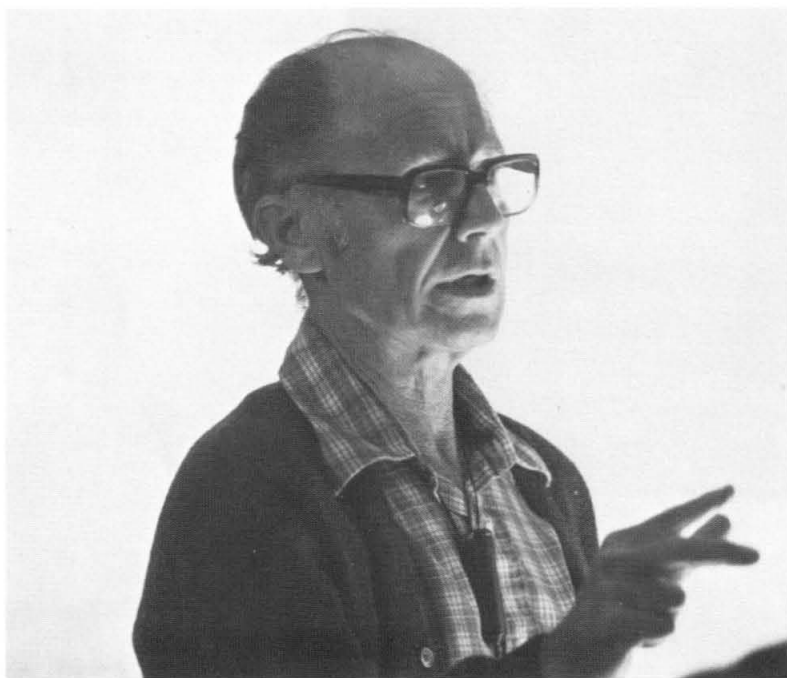
*Robert George Bergman
Professor of Chemistry*



*John Edward Bercaw
Assistant Professor of Chemistry*



*Thomas S. Creswell
Chemical Engineering
Bellflower, California*



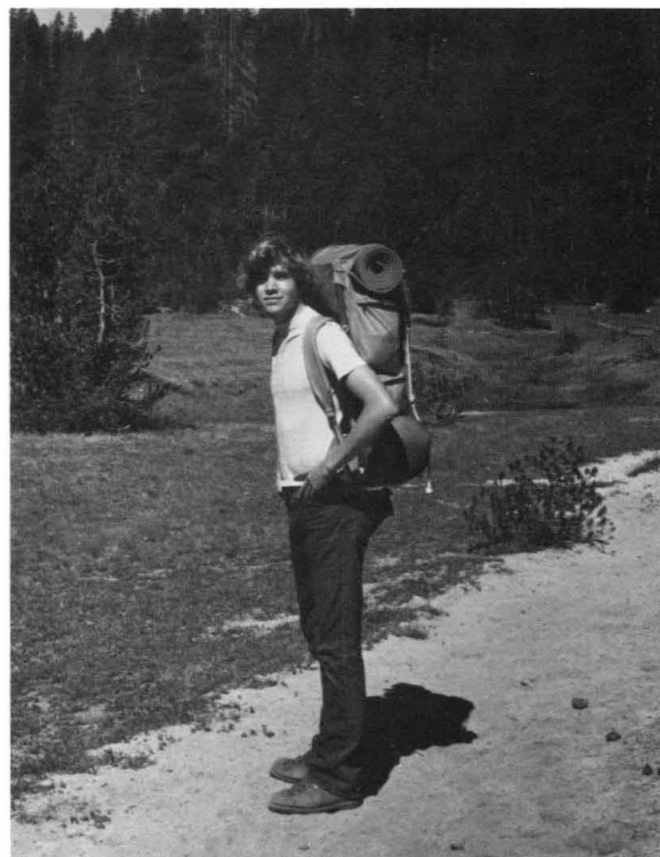
*Norman Ralph Davidson
Professor of Chemistry*



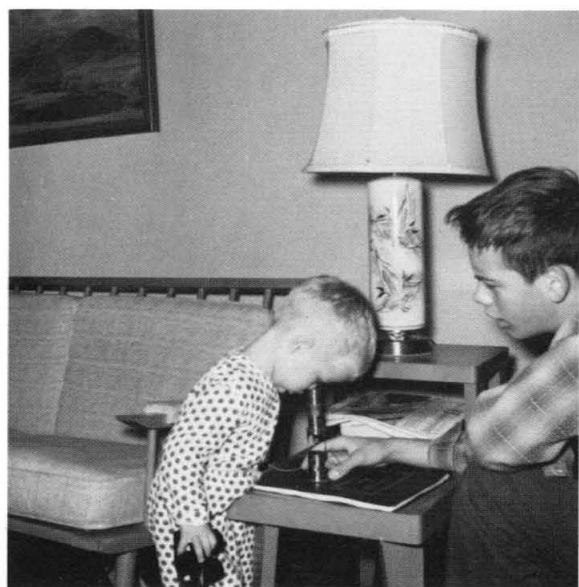
*William Vogel Dower
Chemistry
Palm Beach, Florida*



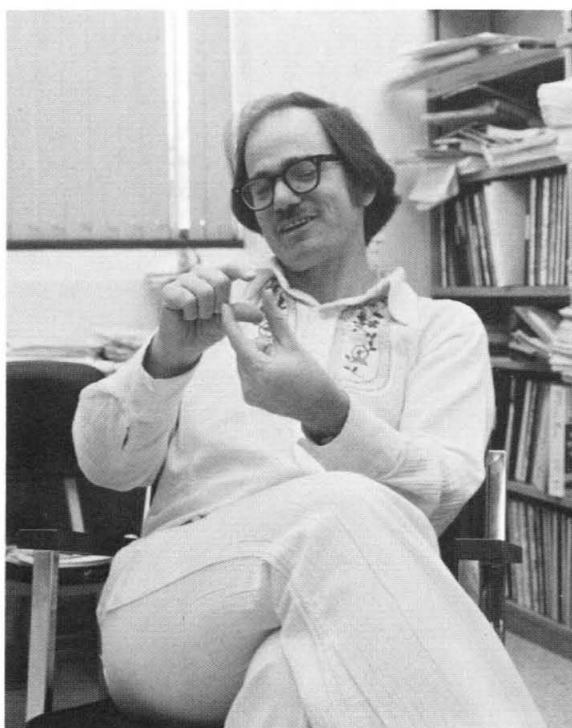
*John Barnett Ernest
Chemistry
Santa Ana, California*



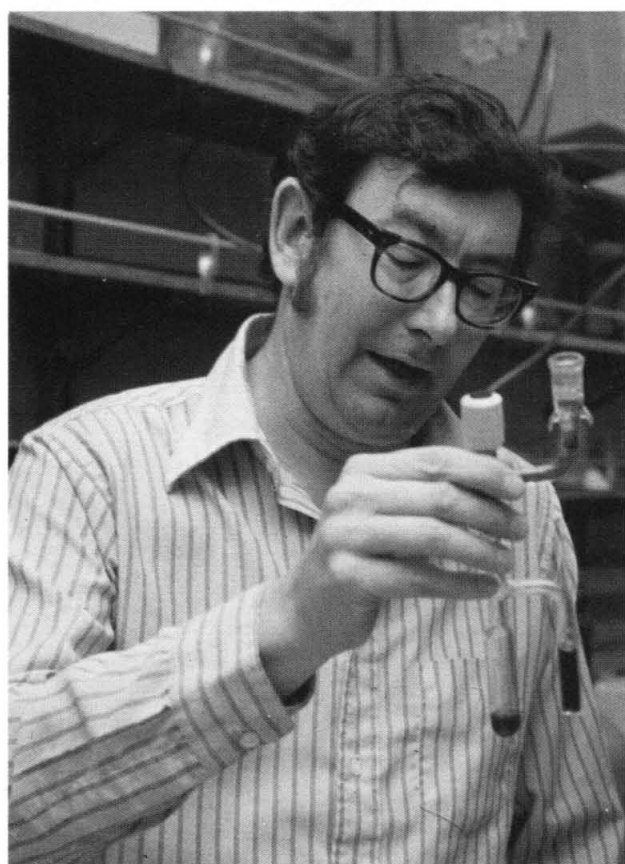
*Stephen Dale Hurst
Chemistry
Peoria, Illinois*



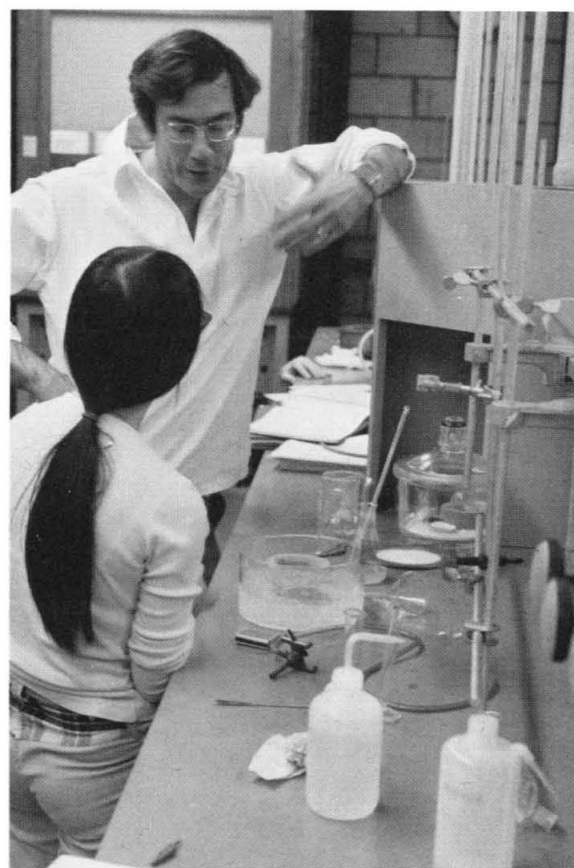
Robert Steven Forgey
Chemistry
Seattle, Washington



William Andrew Goddard III
Professor of Theoretical Chemistry



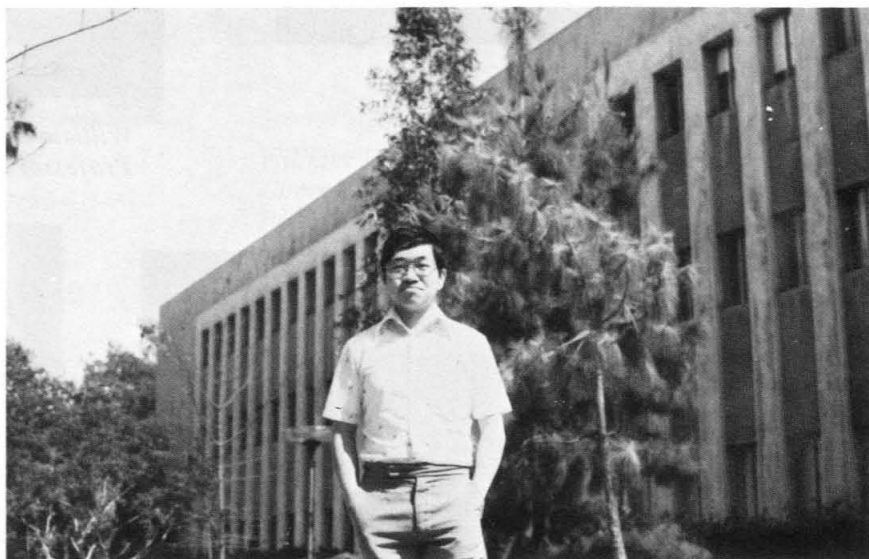
Harry Barkus Gray
Professor of Chemistry



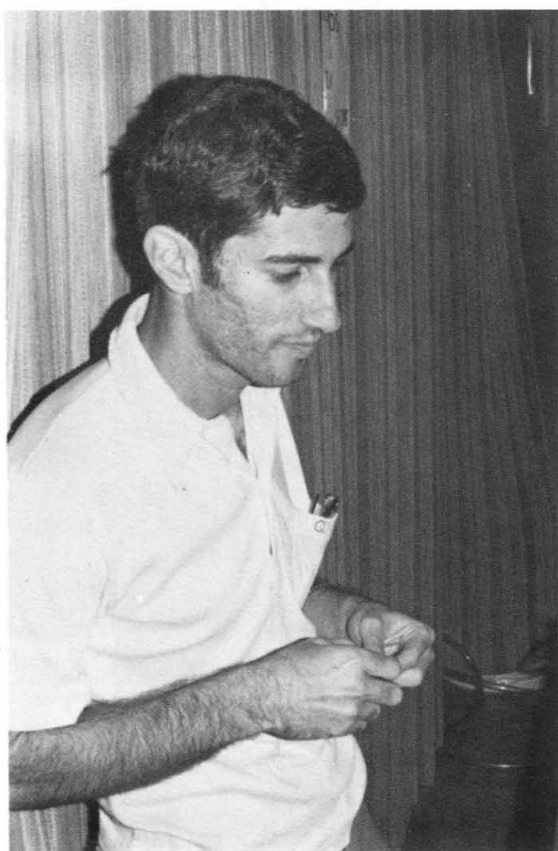
David A. Evans
Professor of Chemistry



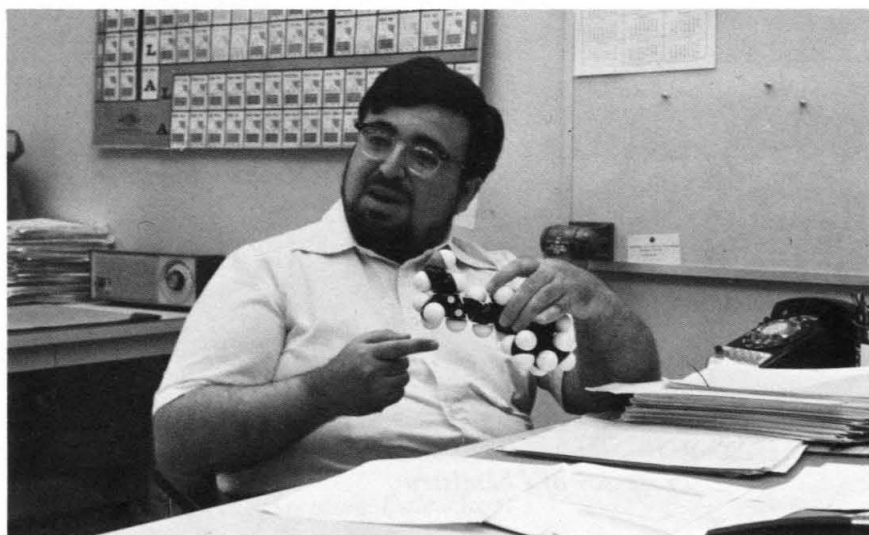
*Edward M. Kober
Chemistry
Canoga Park, California*



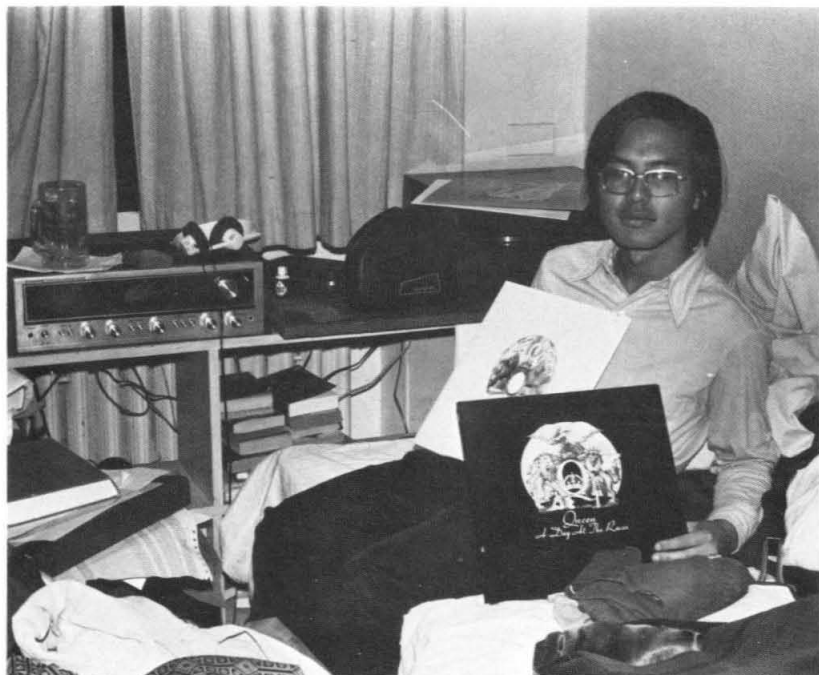
*Hon Chung Lau
Chemical Engineering
Hong Kong*



*Nathan Saul Lewis
Chemistry
Los Angeles, California*



*Aaron Lewis
Visiting Professor of Chemistry*



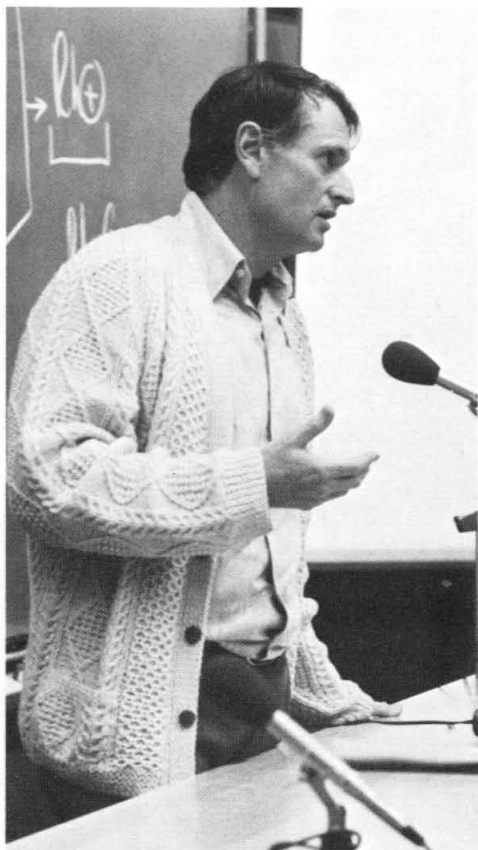
*Kai-Yan Michael Ma
Chemistry
Hong Kong*



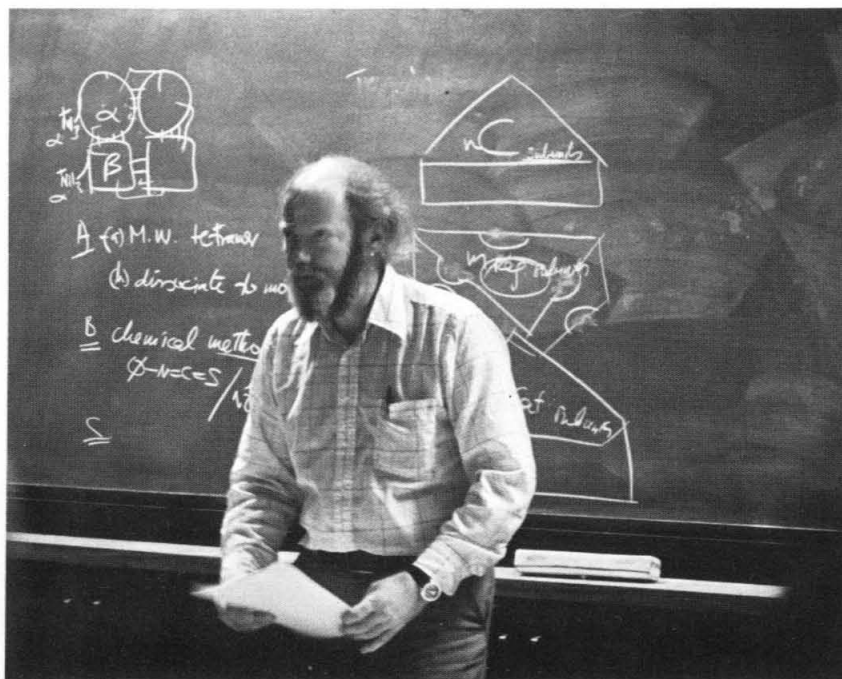
*John Hsuen Loo
Chemical Engineering
Northridge, California*



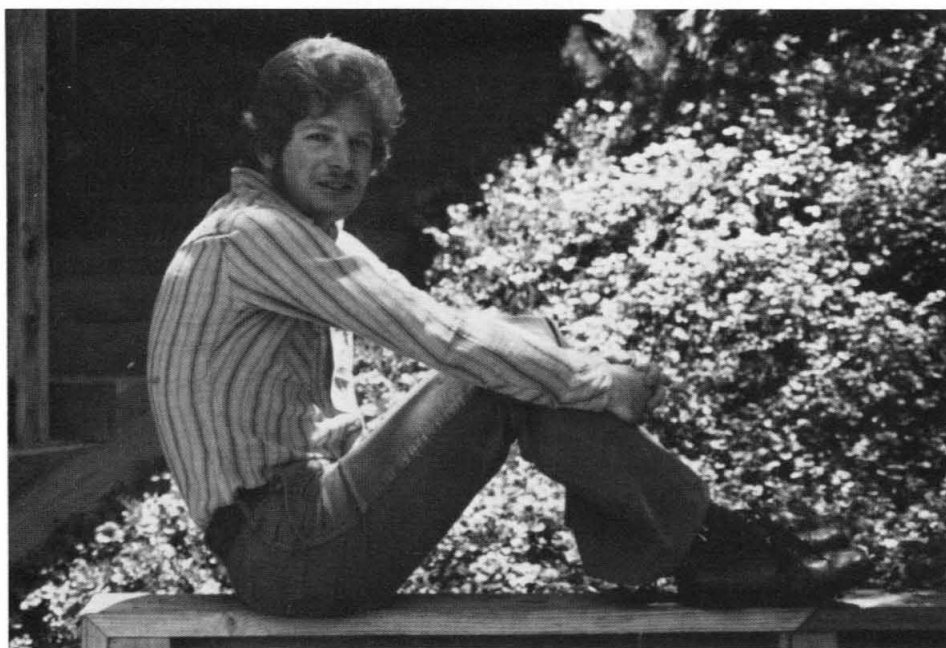
*Ann Elizabeth Orel
Chemistry
Clovis, New Mexico*



*John Hall Richards
Professor of Organic Chemistry*

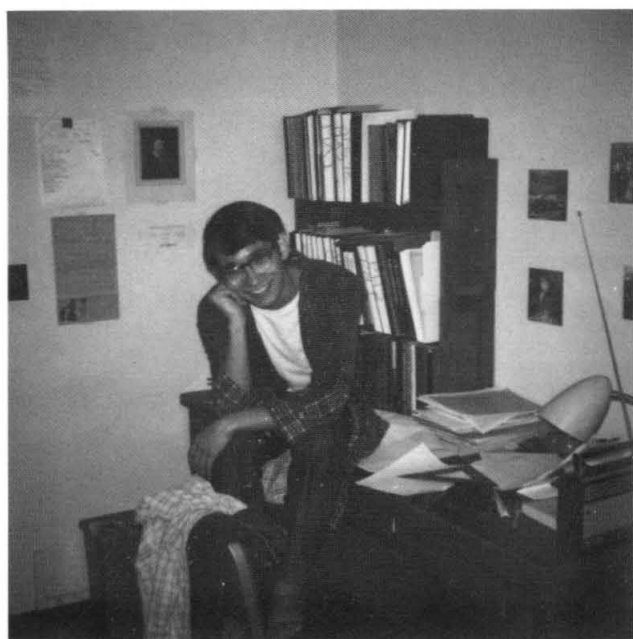
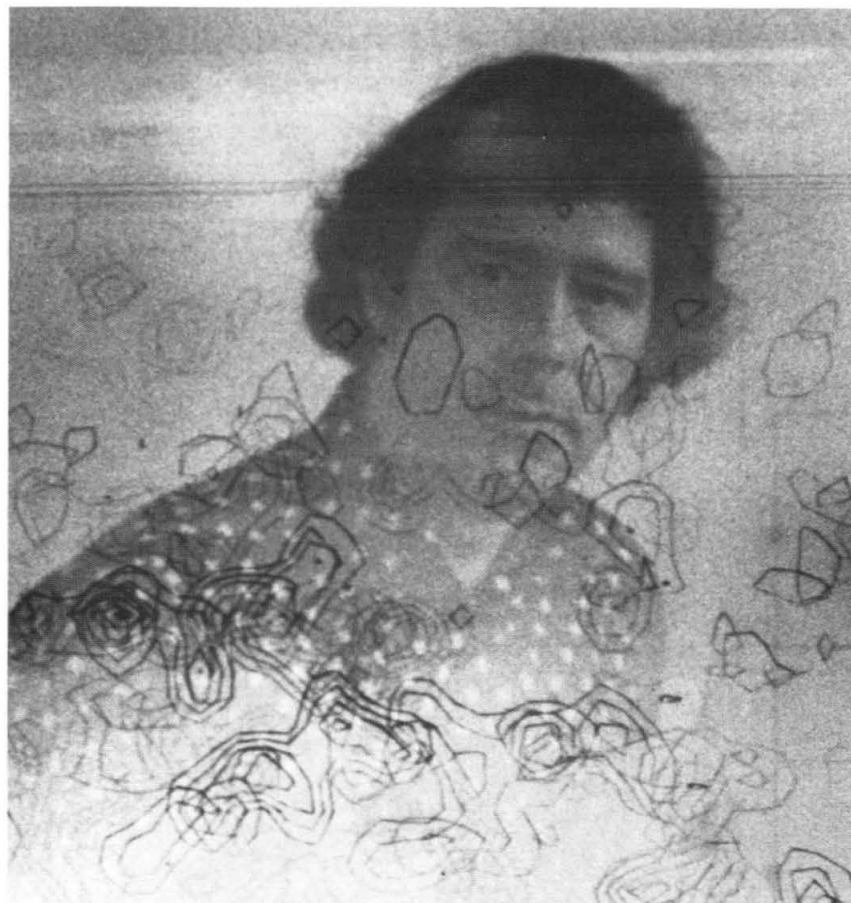


*Michael Augustine Raftery
Professor of Chemical Biology*



*Jon M. Portis
Chemistry
Berkeley, California*

*Robert Michael Stroud
Associate Professor of Chemistry*



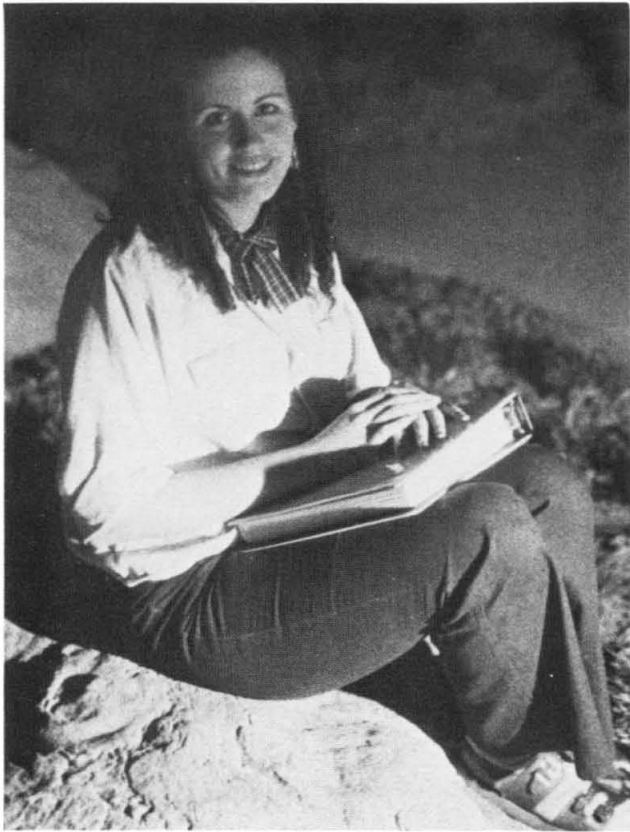
*Paul Michael Whitmore
Chemistry
St. Louis, Missouri*



*John Hersb Seinfeld
Professor of Chemical Engineering*



*John D. Roberts
Professor of Chemistry*



*Madeline Adele Shea
Chemistry
Rockville, Maryland*



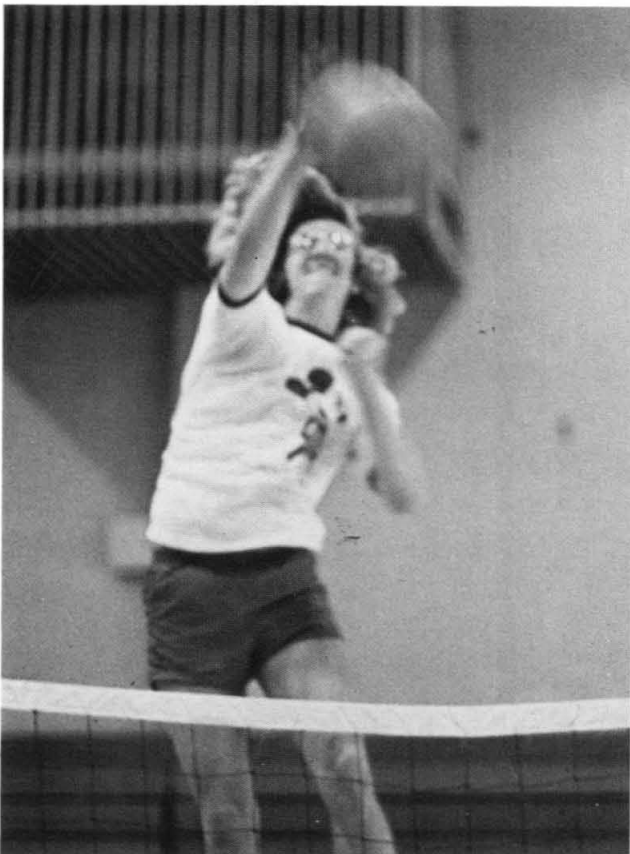
*Jim Lung-Gim Wong
Chemical Engineering
Norwalk, California*



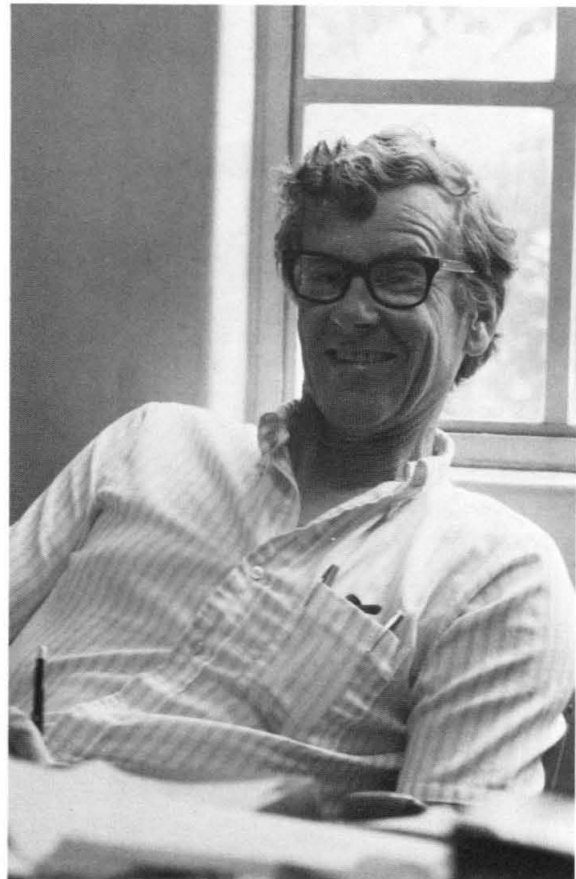
*Deborah Ann Wilson
Chemical Engineering
Stockton, California*



ENGINEERING AND APPLIED SCIENCE



*Timothy Brown Abern
Engineering and Applied Science
Cleveland, Ohio*

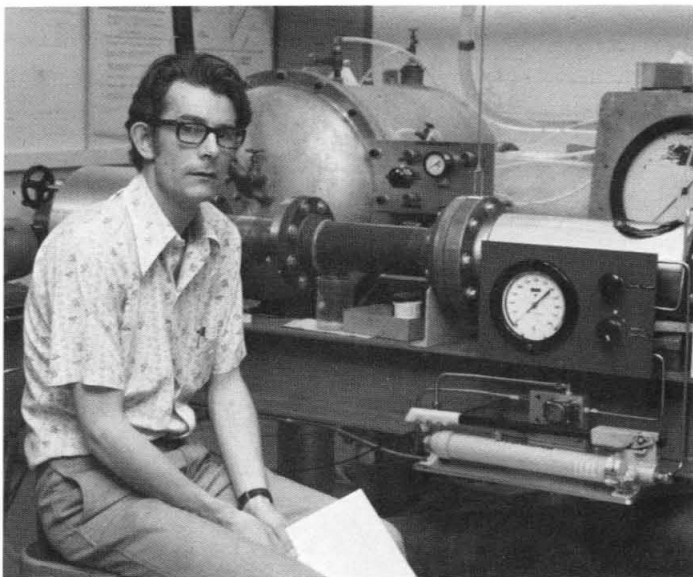


*Allan James Acosta
Professor of Mechanical Engineering*

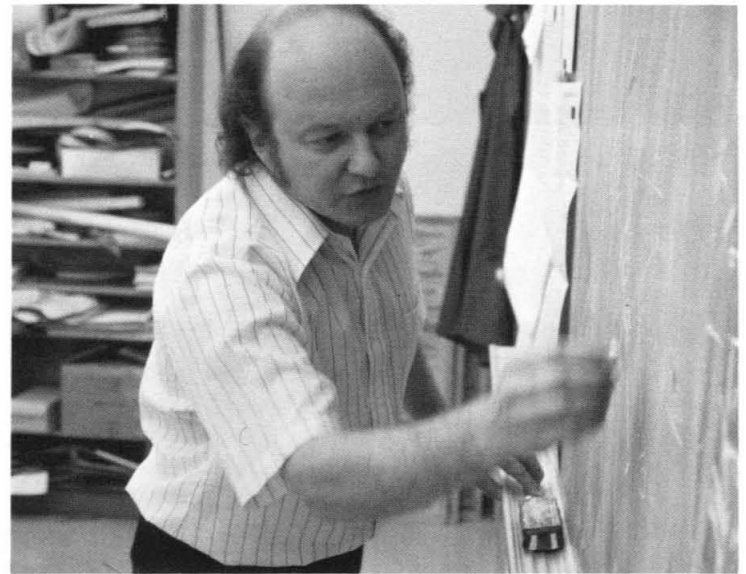


*Richard Charles Flagan
Assistant Professor of
Environmental Engineering Science*

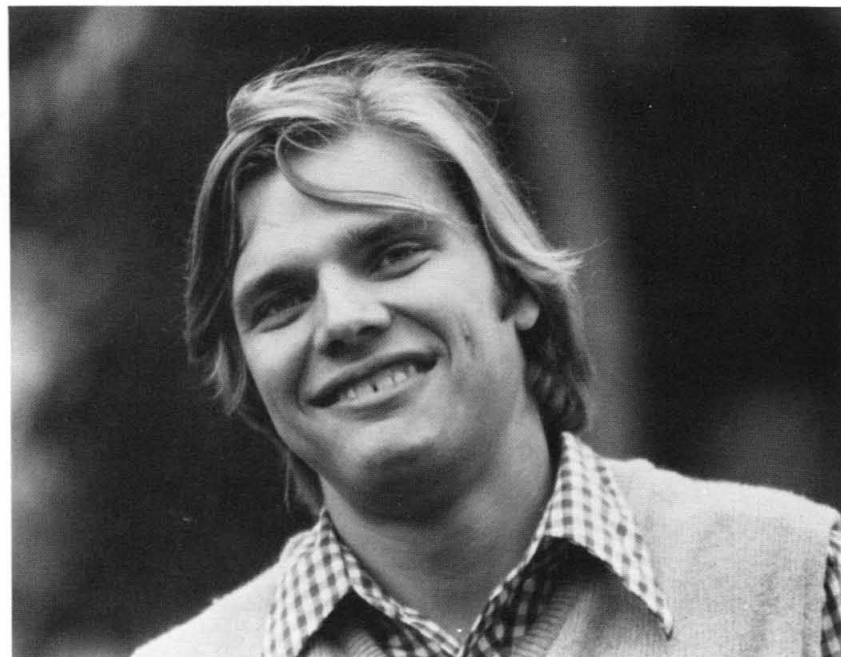
*Richard George Graydon Beatty
Engineering and Applied Science
La Jolla, California*



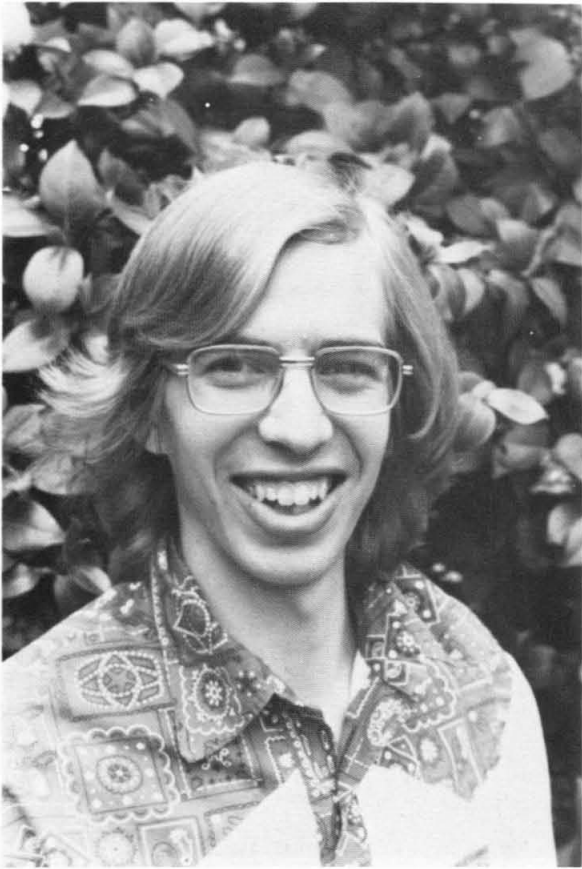
*Christopher Brennen
Research Associate in Engineering Science*



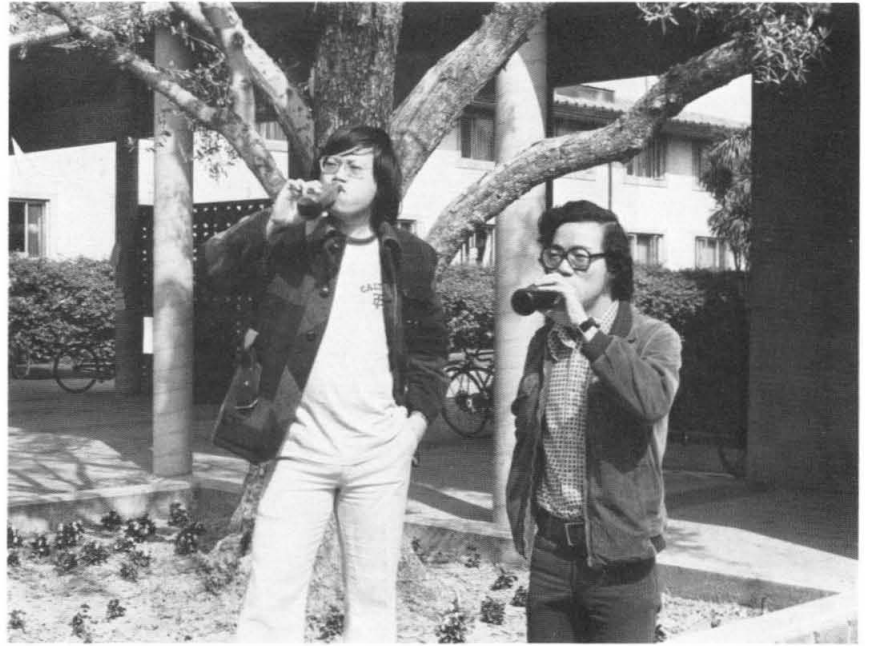
*Charles Dwight Babcock, Jr.
Professor of Aeronautics*



*Douglas A. Bourne
Engineering and Applied Science
Pasadena, California*



*Douglas S. Carlson
Engineering and Applied Science
Houston, Texas*

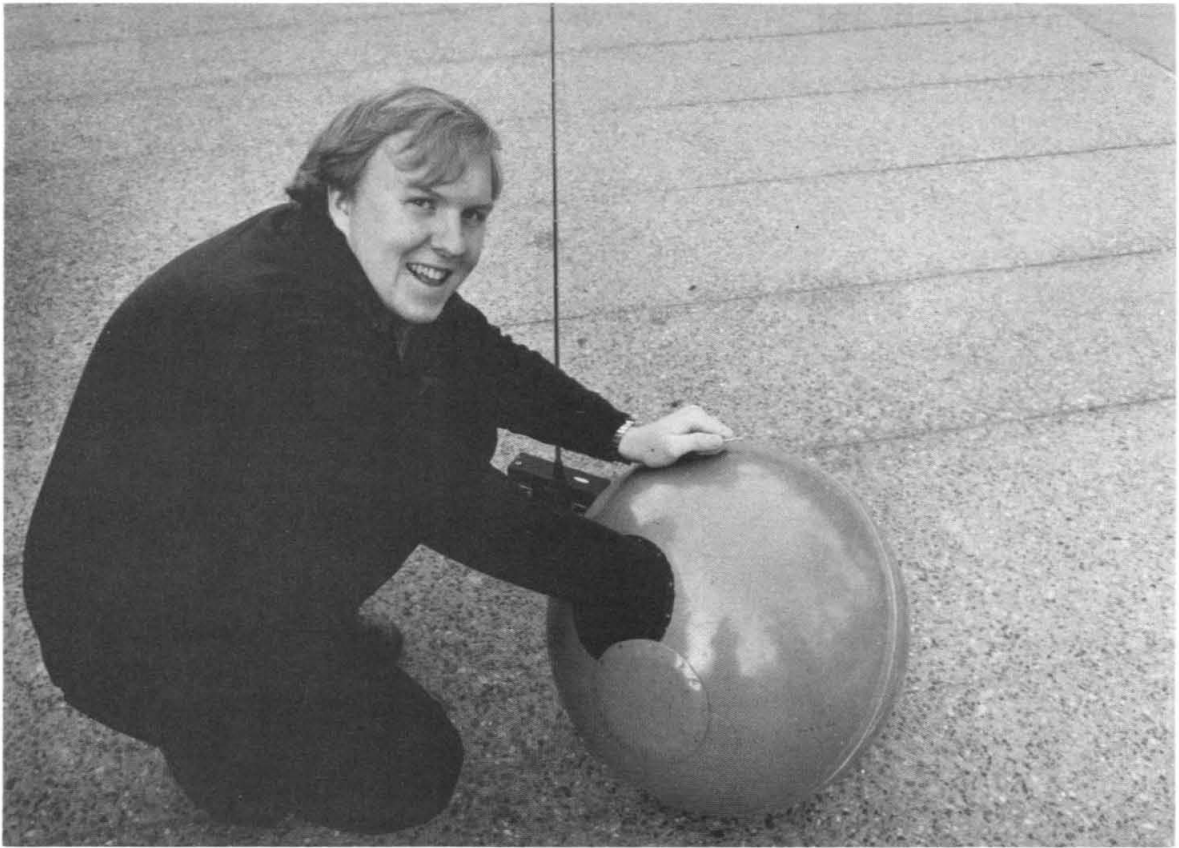


*William Chor Chun Yeung
Engineering and Applied Science
Hong Kong*

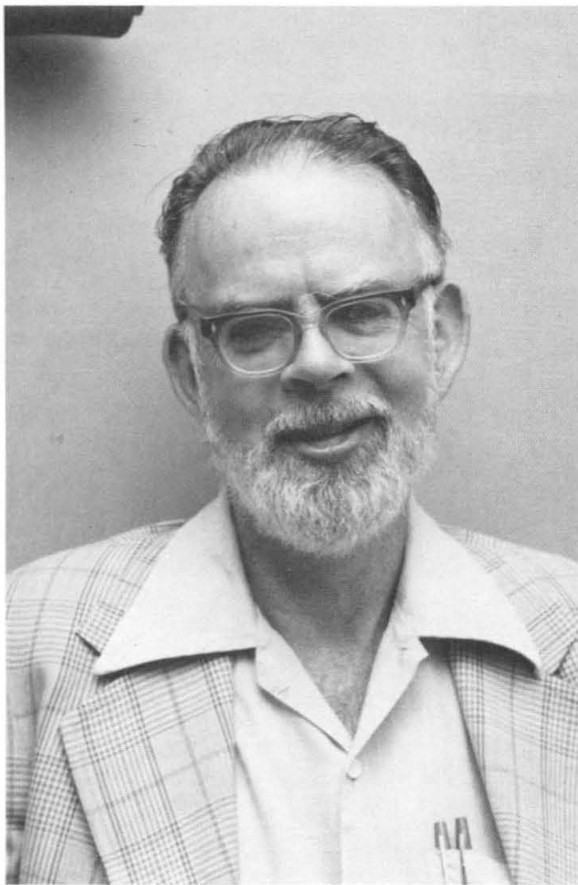
*Siu Chung Cheung
Engineering and Applied Science
Hong Kong*



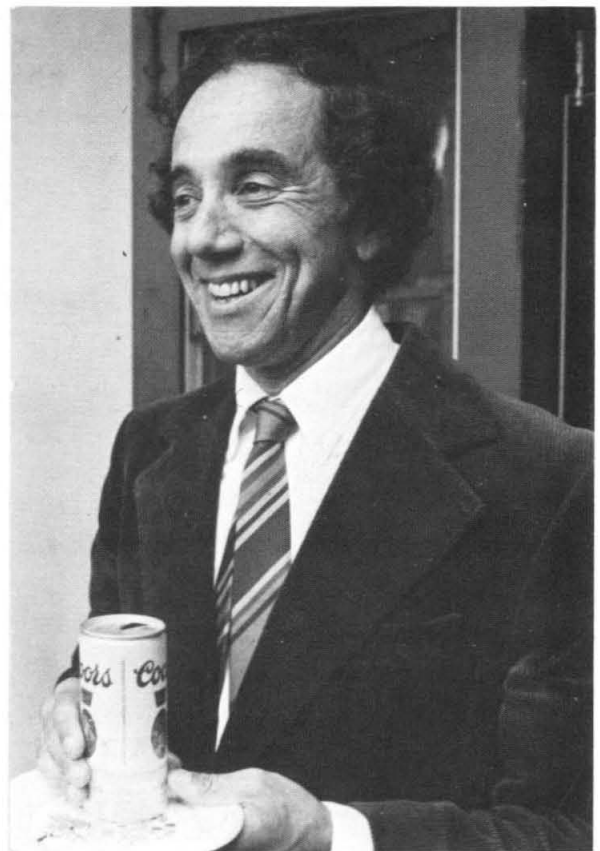
*Ngaiman Chau
Engineering and Applied Science
Hong Kong*



*Reed Dennis Copsey
Engineering and Applied Science
Sun Valley, California*



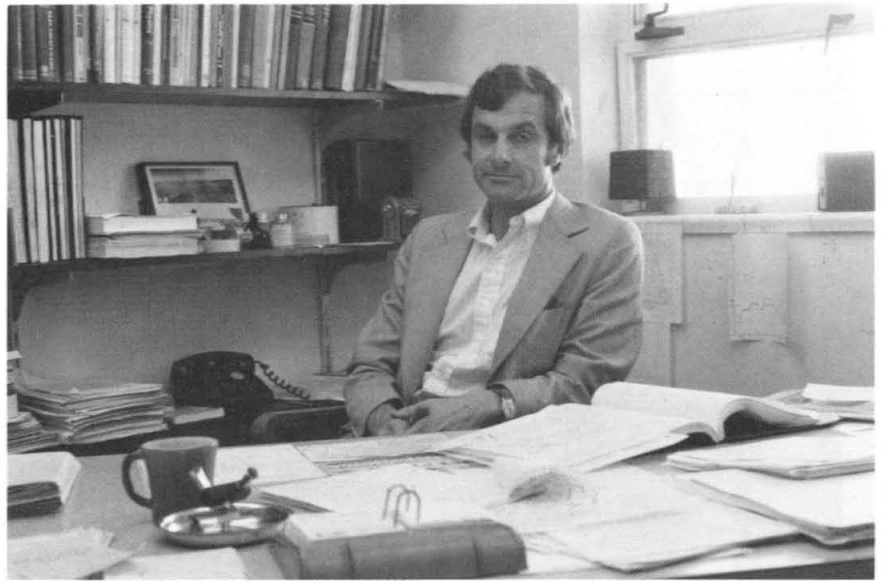
*Donald Earl Coles
Professor of Aeronautics*



*Noel Robert Corngold
Professor of Applied Physics*



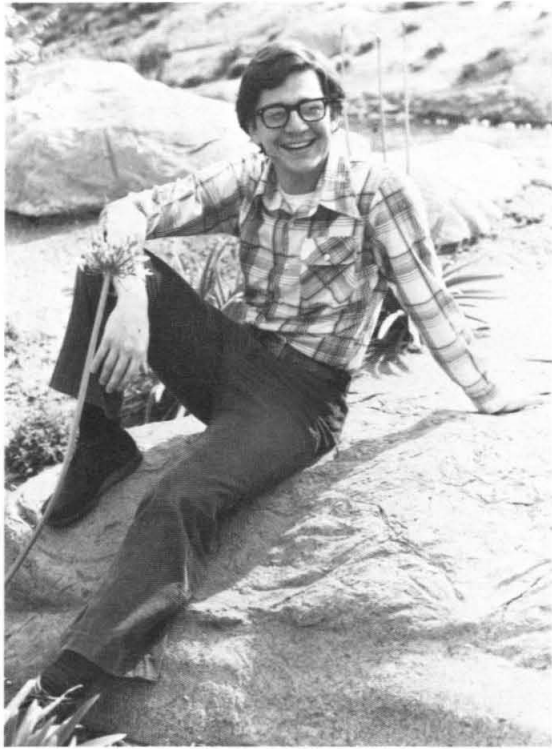
*Lorenzo Cotton
Engineering and Applied Science
Los Angeles, California*



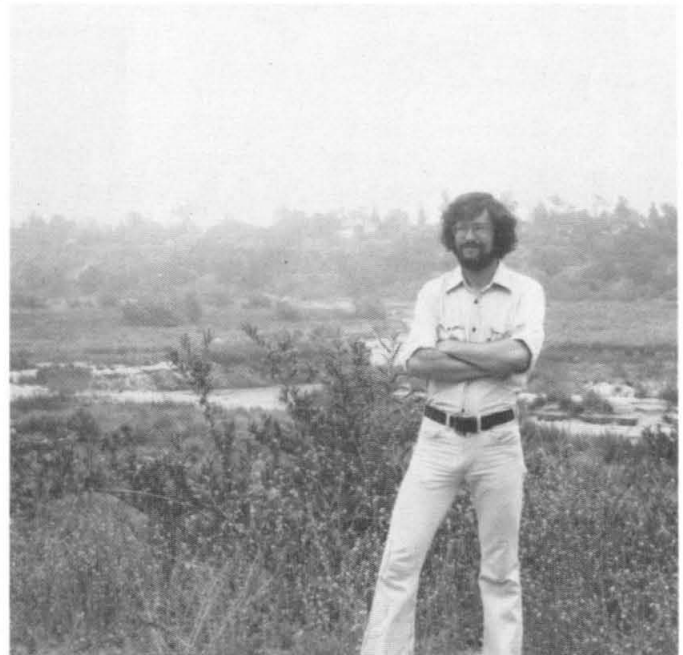
*Fred E. C. Culick
Professor of Jet Propulsion*



*David Charles Crocker
Engineering and Applied Science
Topsfield, Massachusetts*



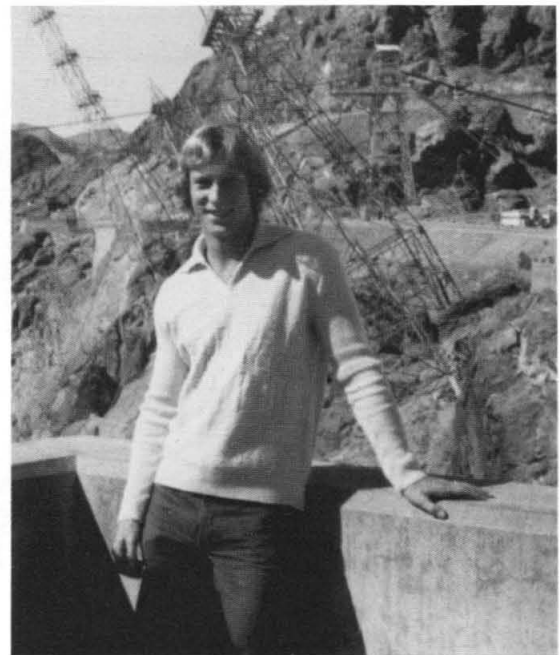
*David Armstrong Dewey
Engineering and Applied Science
Orinda, California*



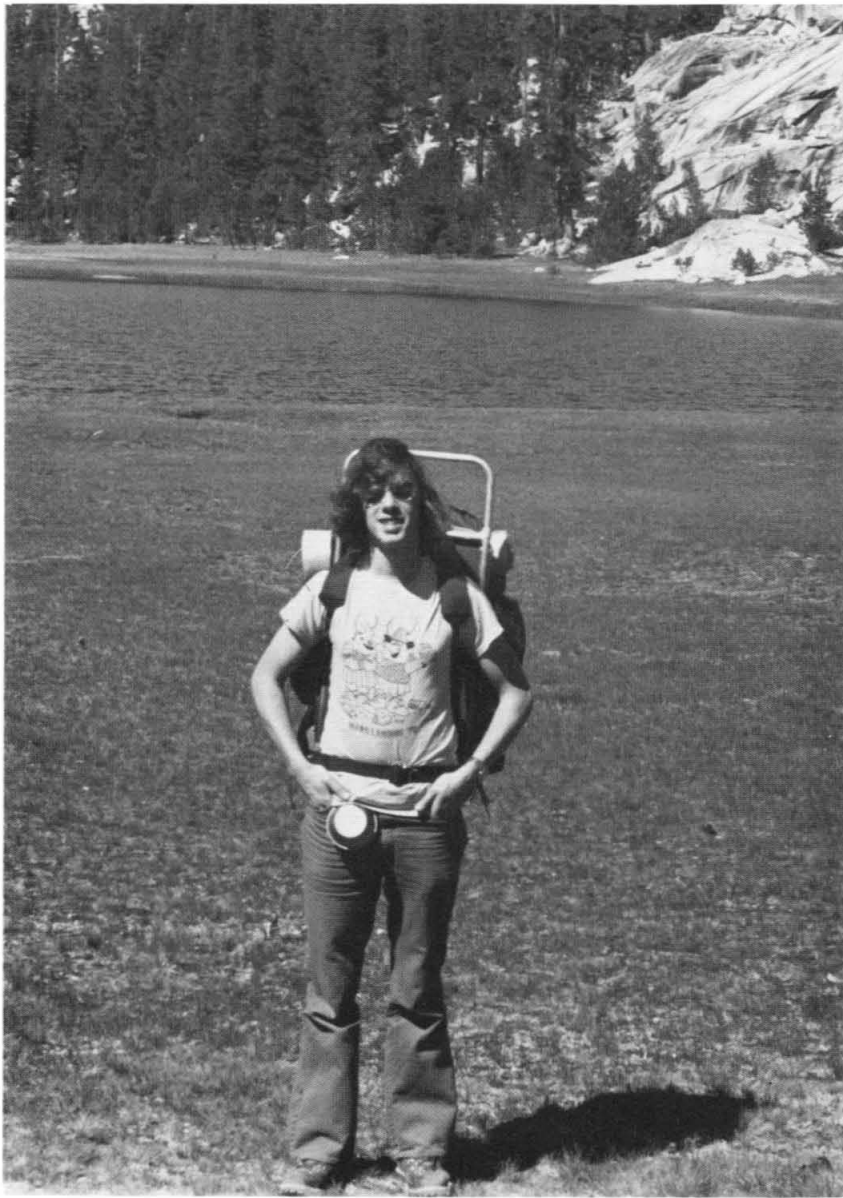
*Peter Kent Edberg
Engineering and Applied Science
La Canada, California*



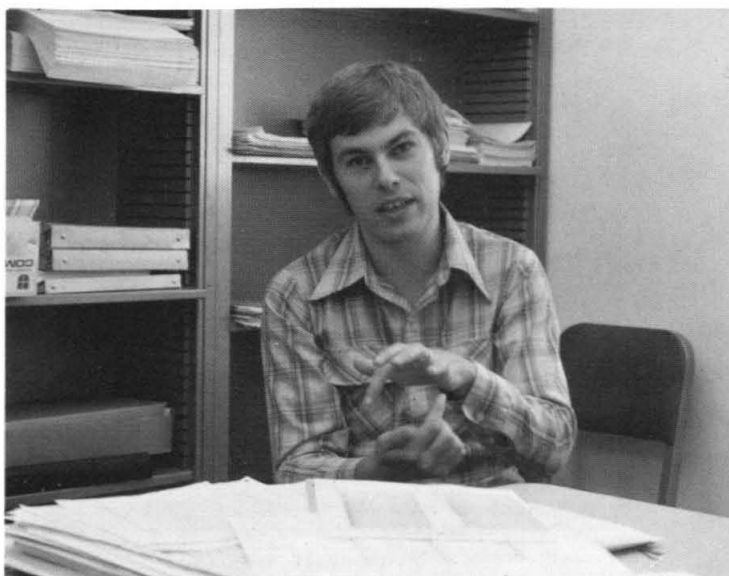
*Lawrence Allen DesJardin
Engineering and Applied Science
San Andreas, California*



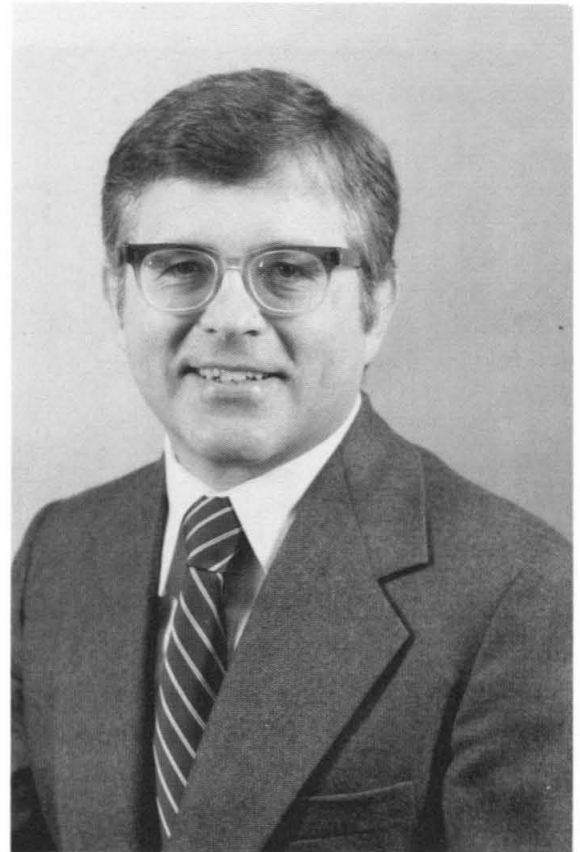
*David Faulkner
Engineering and Applied Science
Lafayette, California*



*Rich Feldman
Engineering and Applied Science
San Mateo, California*



*Bengt Fornberg
Assistant Professor of Applied Mathematics*



*Nicholas George
Associate Professor of Electrical Engineering*



*Merrill Andrew Gibson
Engineering and Applied Science
Los Alamos, New Mexico*



*Stephen Wayne Griggs
Engineering and Applied Science
La Canada, California*



*Thomas Lee Guthrie
Engineering and Applied Science
Cleveland Heights, Ohio*



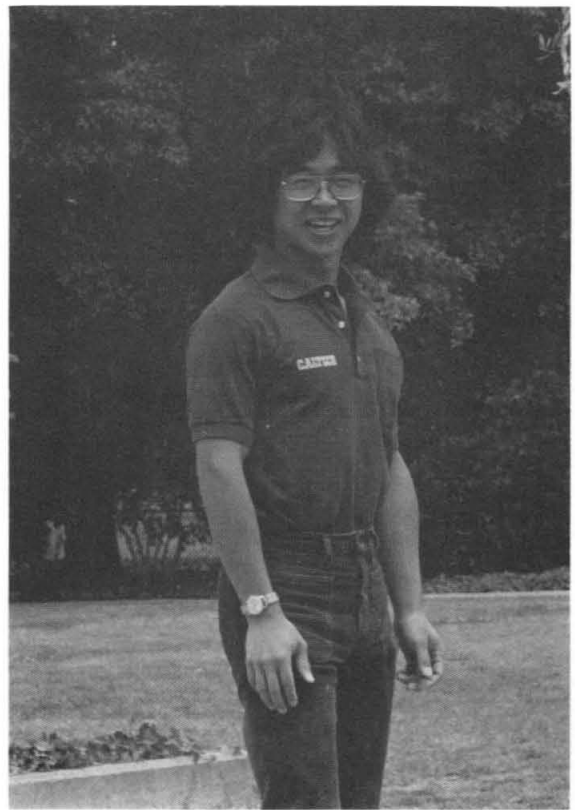
*John Leroy Gustafson
Applied Mathematics
Des Moines, Iowa*



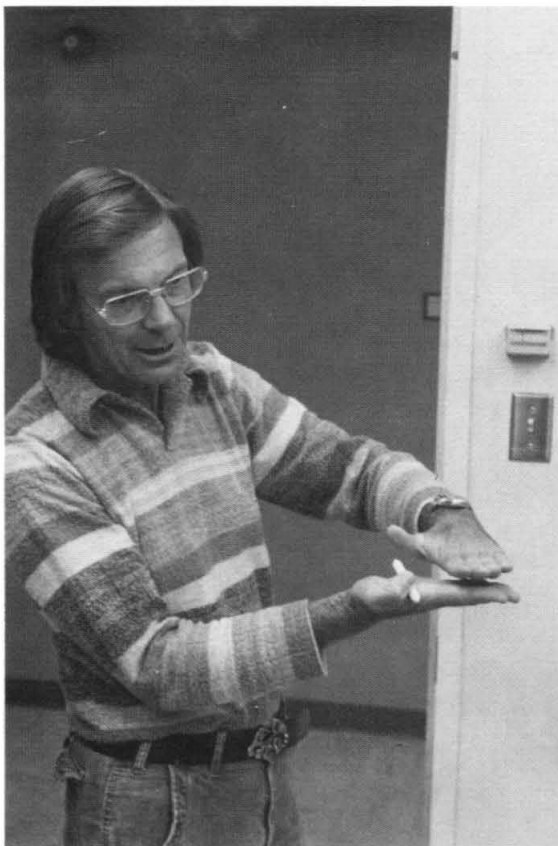
*Roy Walter Gould
Professor of Applied Physics*



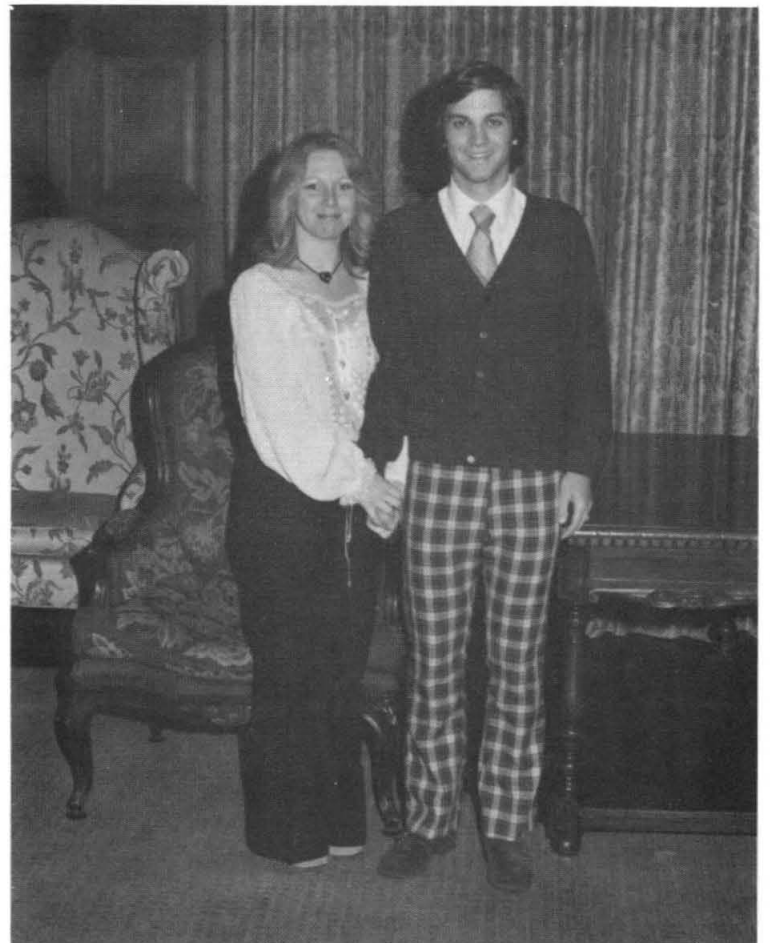
*Frederick Harlan Harris
Engineering and Applied Science
Tujunga, California*



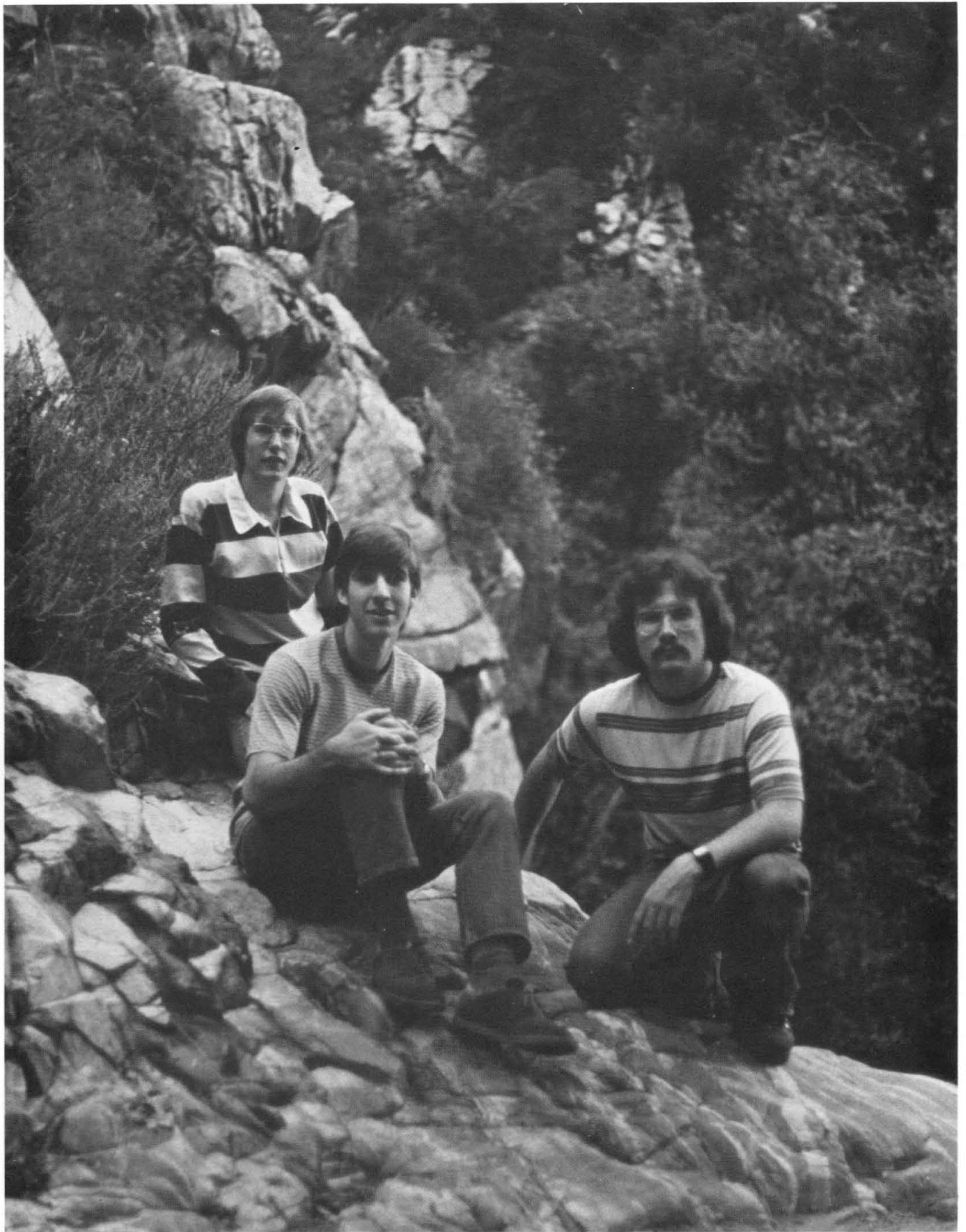
*Donald Hamasaki
Engineering and Applied Science
Newcastle, California*



*Floyd Bernard Humphrey
Professor of Electrical Engineering
and Applied Physics*



*James Evan Houseworth
Engineering and Applied Science
Pasadena, California*



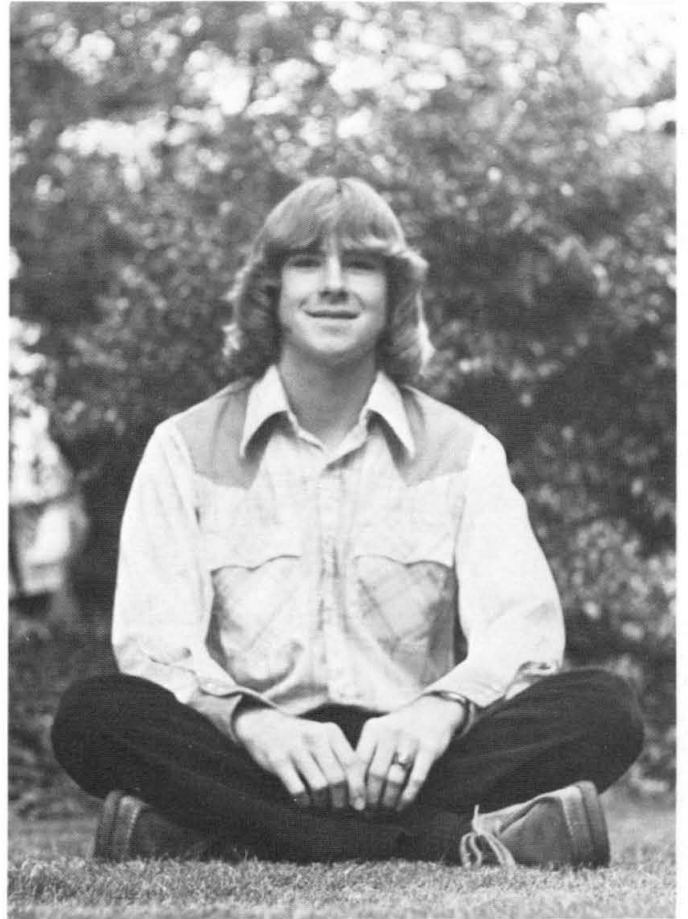
*James David Howard
Engineering and Applied Science
Klamath Falls, Oregon*

*William Mc Cown
Engineering and Applied Science
Holtville, California*

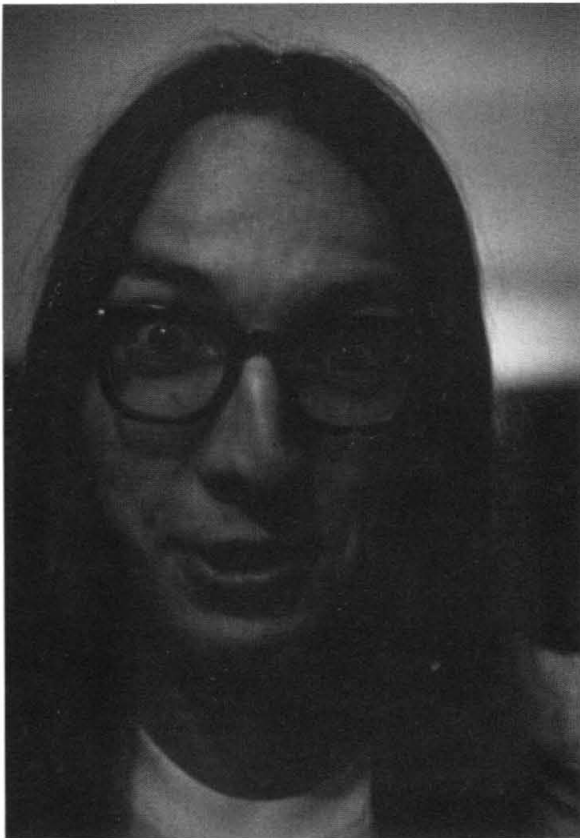
*William David Holland
Engineering and Applied Science
Chatsworth, California*



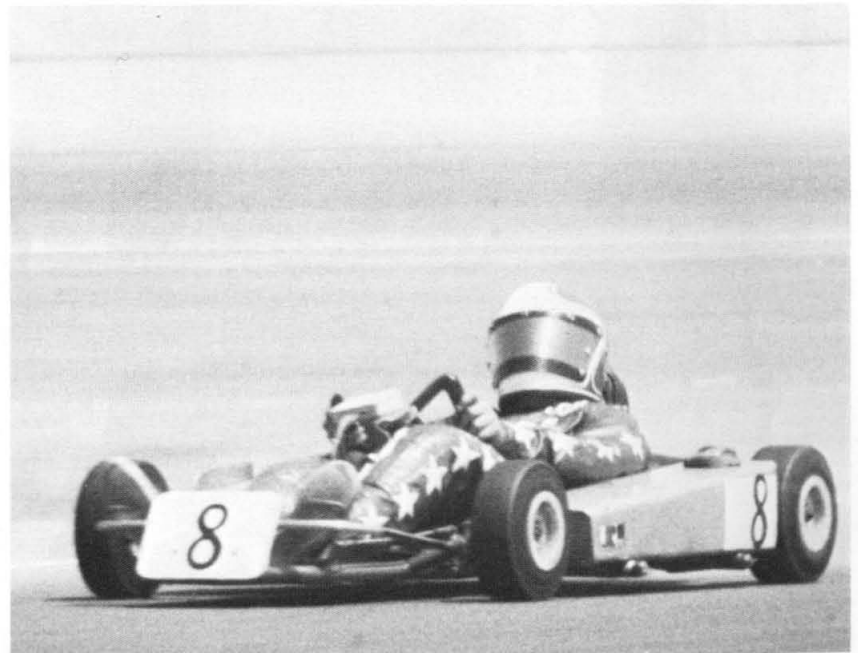
*Paul Christian Jennings
Professor of Applied Mechanics*



*Brian Keith Jenkins
Applied Physics
San Juan Capistrano, California*



*Jeffrey Donald Klein
Engineering and Applied Science
Whittier, California*

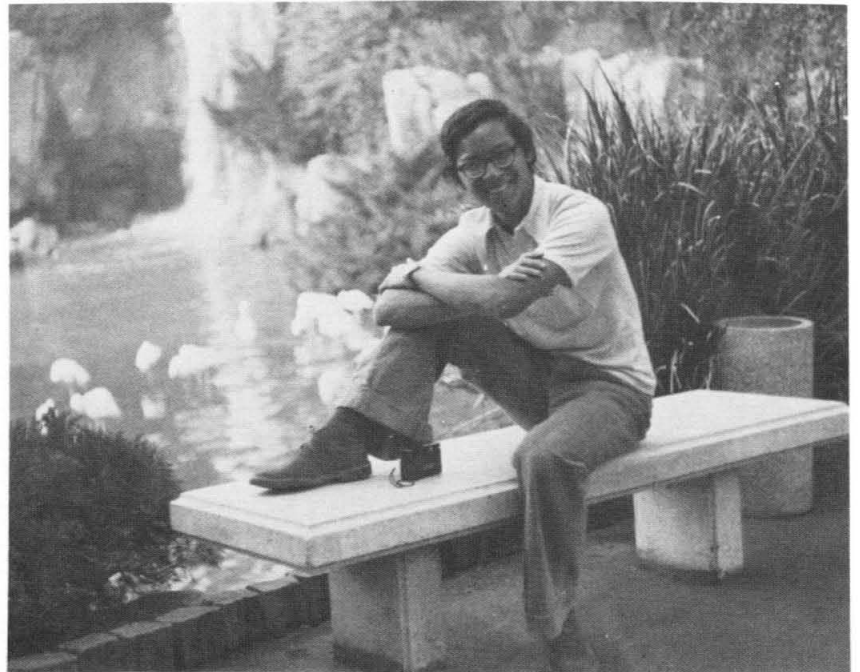


*Charles Edward Kistler
Engineering and Applied Science
Anaheim, California*

*Ru-Chang Kung
Engineering and Applied Science
Studio City, California*



*Pui Kwong Lam
Applied Physics
Oxnard, California*



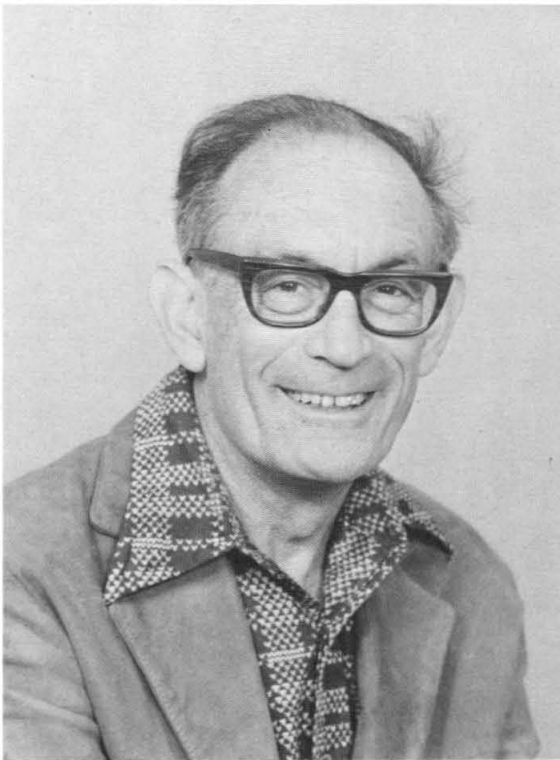
*Peter Wayne Lew
Applied Physics
San Francisco, California*



*Kenneth Kim-Chi Li
Engineering and Applied Science
Hong Kong*



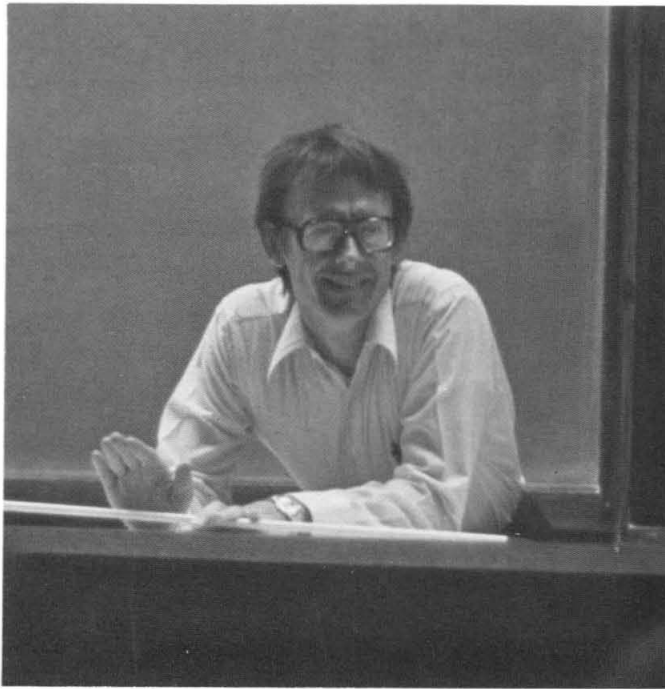
*Sai-Man Li
Engineering and Applied Science
Hong Kong*



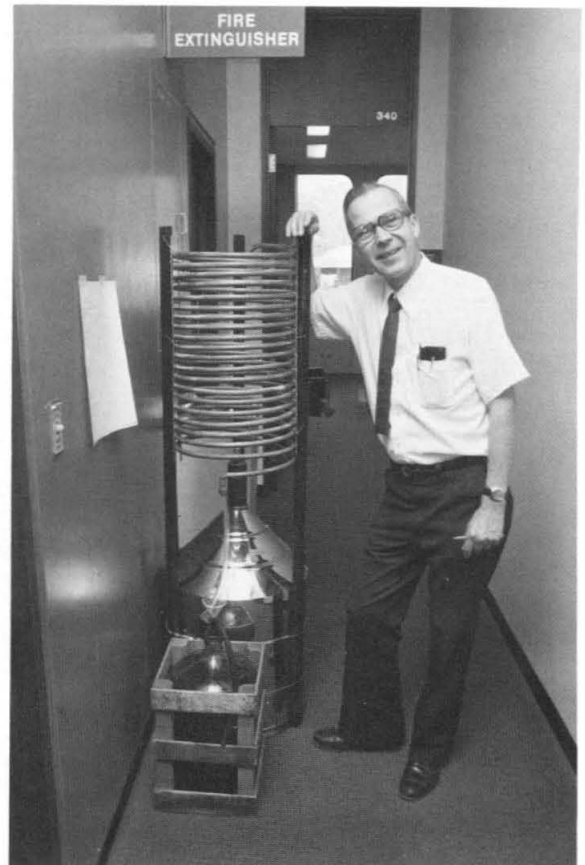
*Hans Wolfgang Liepmann
Professor of Fluid Mechanics
and Thermodynamics*



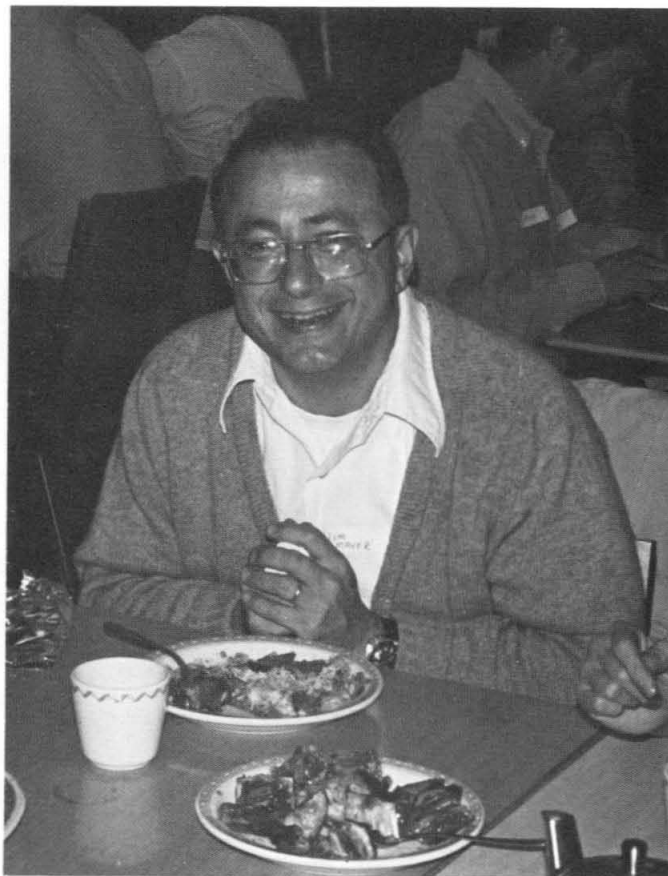
*Robert Reed Linderman
Engineering and Applied Science
Covina, California*



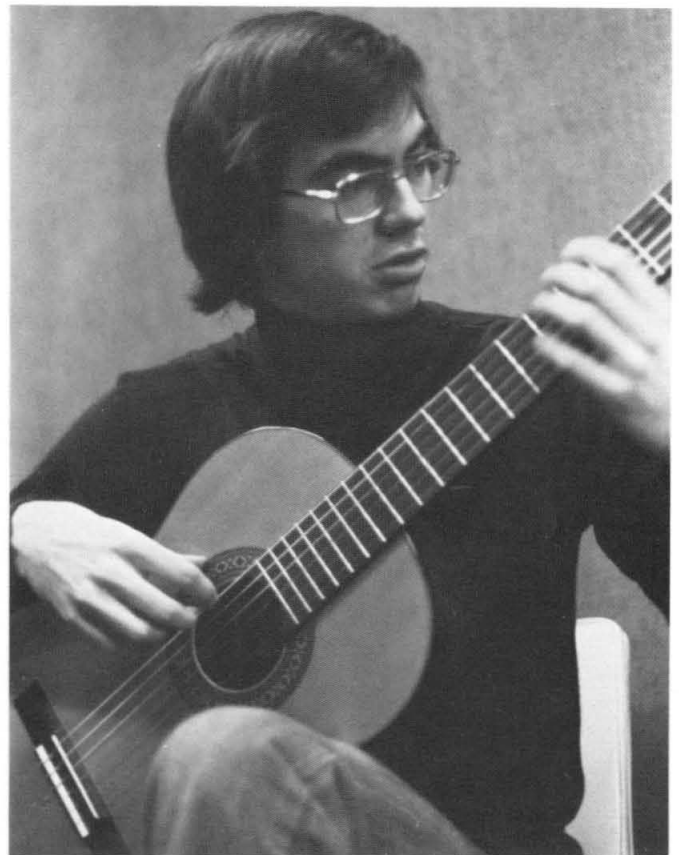
*Ericson John List
Professor of Environmental Engineering Science*



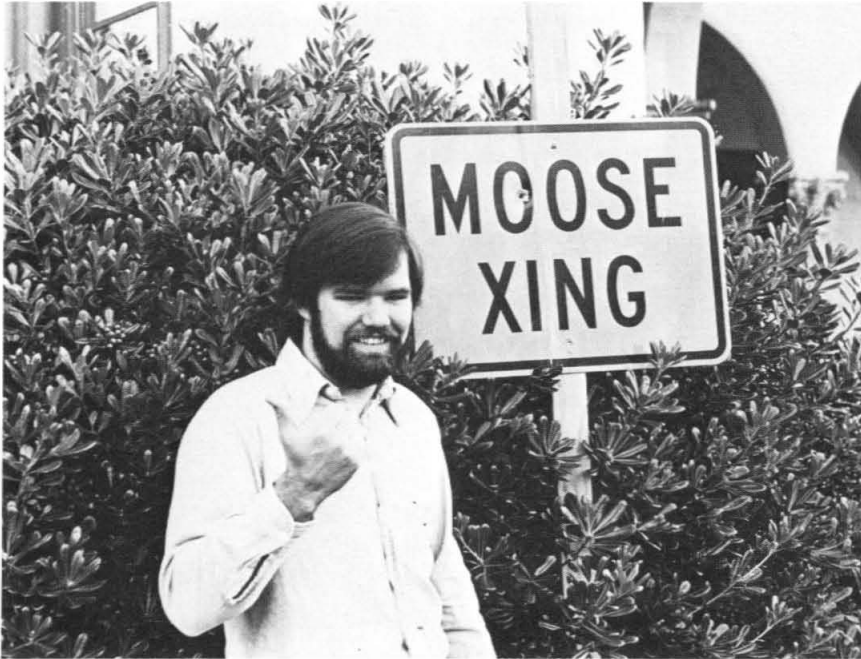
*Hardy Cross Martel
Associate Professor of Electrical Engineering
Executive Assistant to the President*



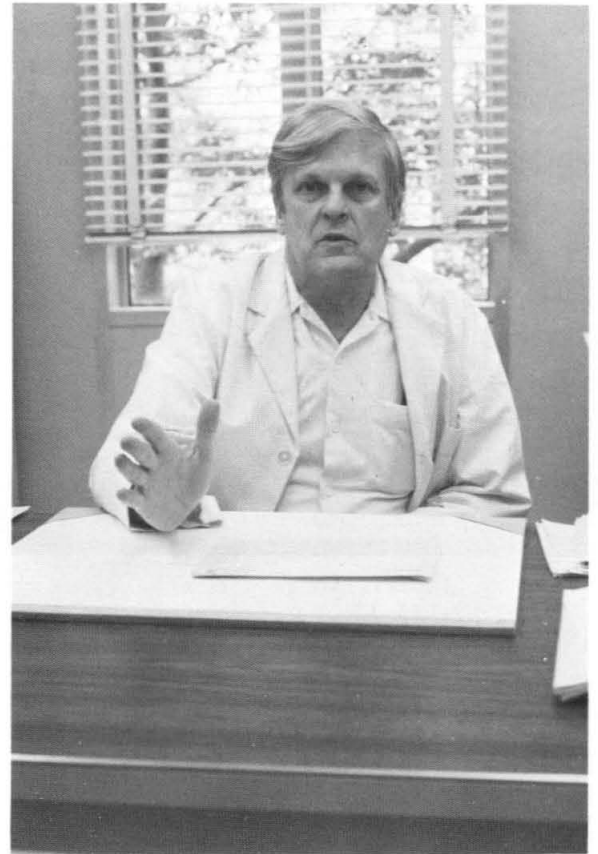
*James Walter Mayer
Professor of Electrical Engineering
Master of Student Houses*



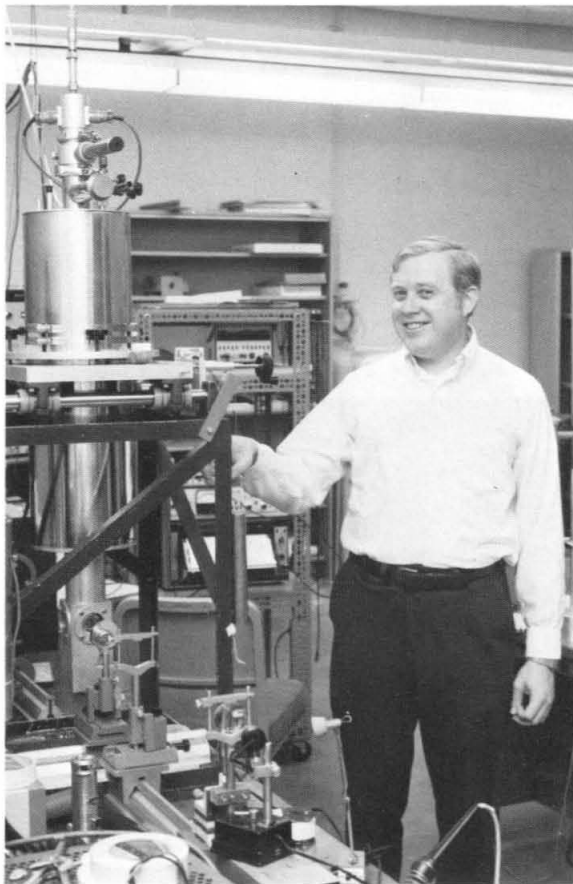
*Jan Morris Martin
Engineering and Applied Science
Stockton, California*



*Paul Oakley Mason
Engineering and Applied Science
Soldatna, Alaska*



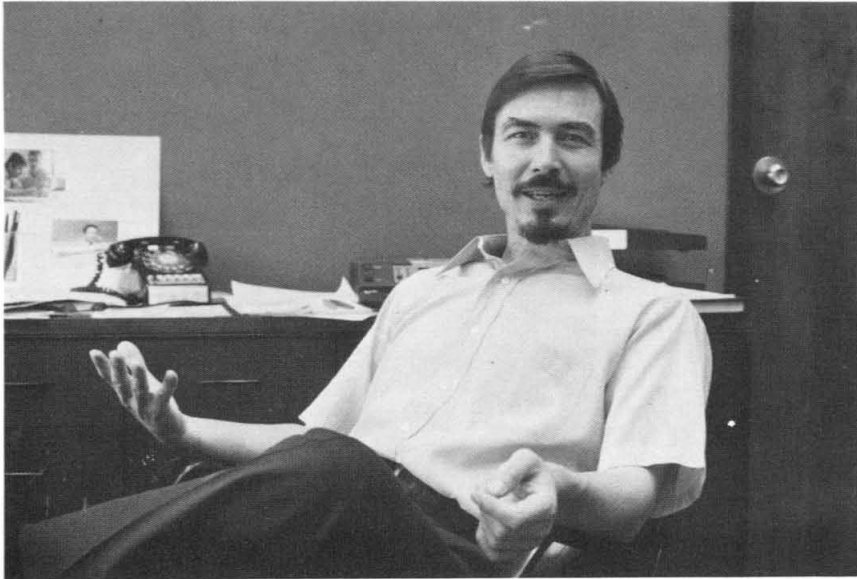
*James Oeland McCaldin
Professor of Applied Science
and Electrical Engineering*



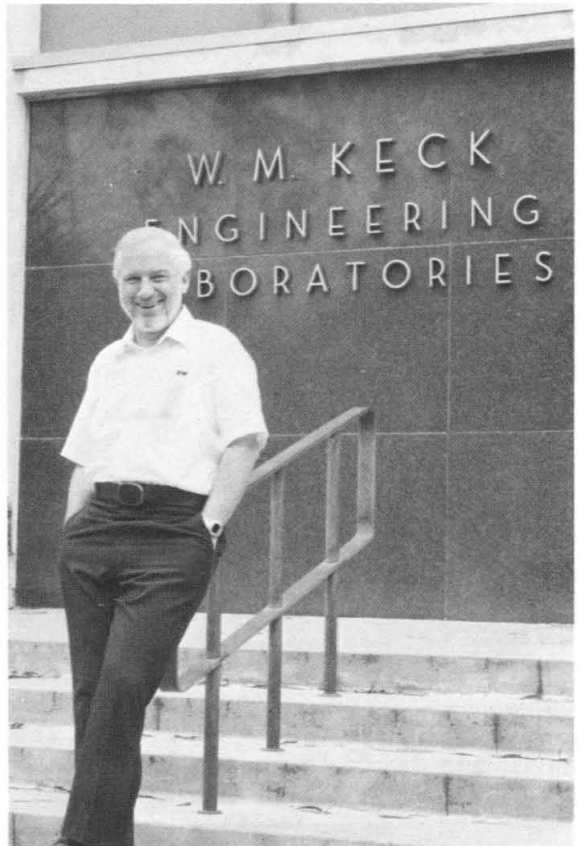
*Thomas C. McGill
Associate Professor of Applied Physics*



*Gilbert Donald McCann
Professor of Applied Science*



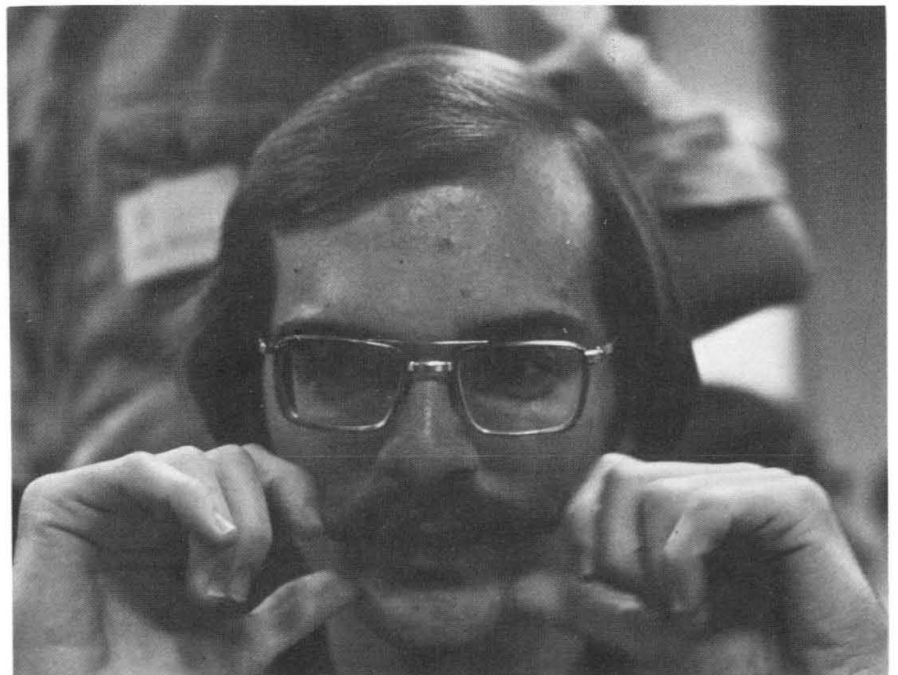
*Carver Andress Mead
Professor of Electrical Engineering*



*James John Morgan
Professor of Environmental Engineering Science*



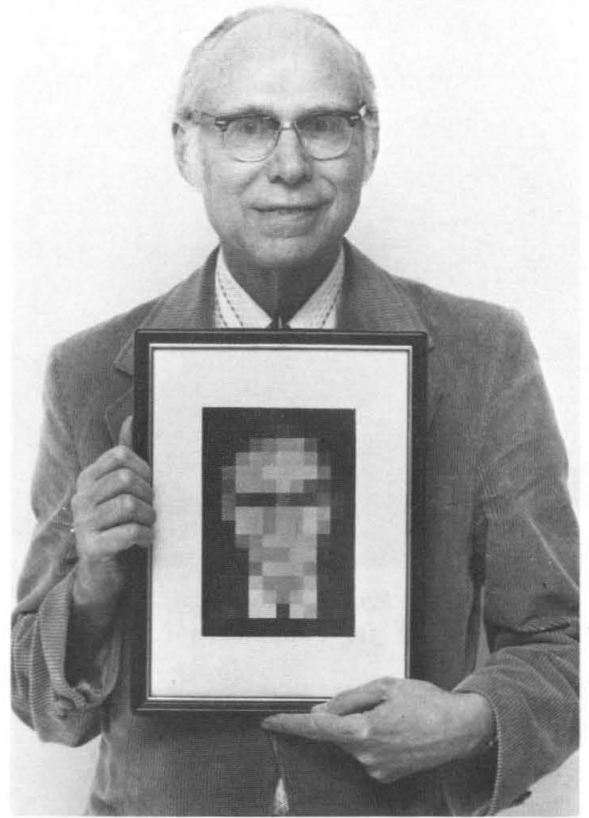
*Curtis Stuart Meissner
Engineering and Applied Science
Los Alamos, New Mexico*



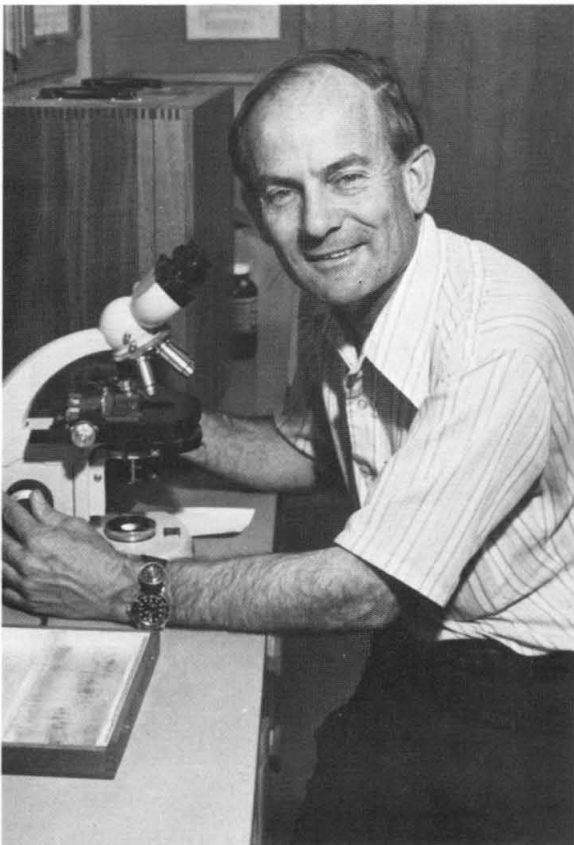
*A. P. Nikora
Engineering and Applied Science
Wauwatosa, Wisconsin*



*Peter D. Pathe
Engineering and Applied Science
Asbland, Massachusetts*



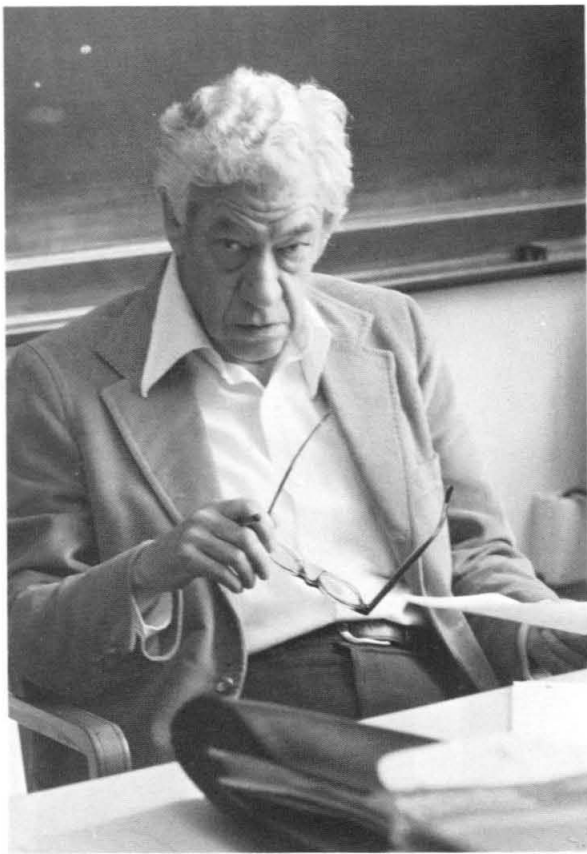
*John Robinson Pierce
Professor of Engineering*



*Wheeler James North
Professor of Environmental Science*



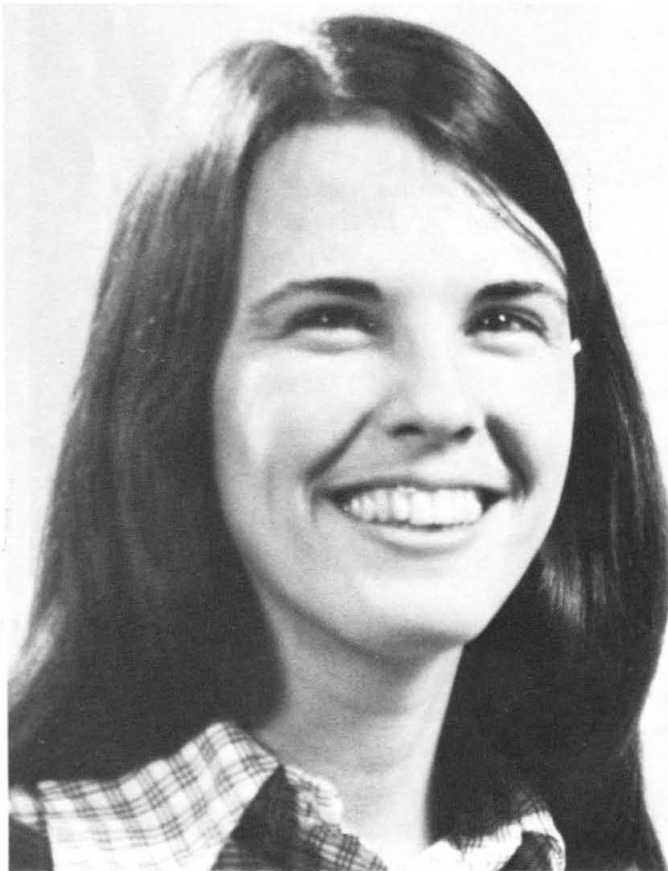
*Charles Herach Papas
Professor of Electrical Engineering*



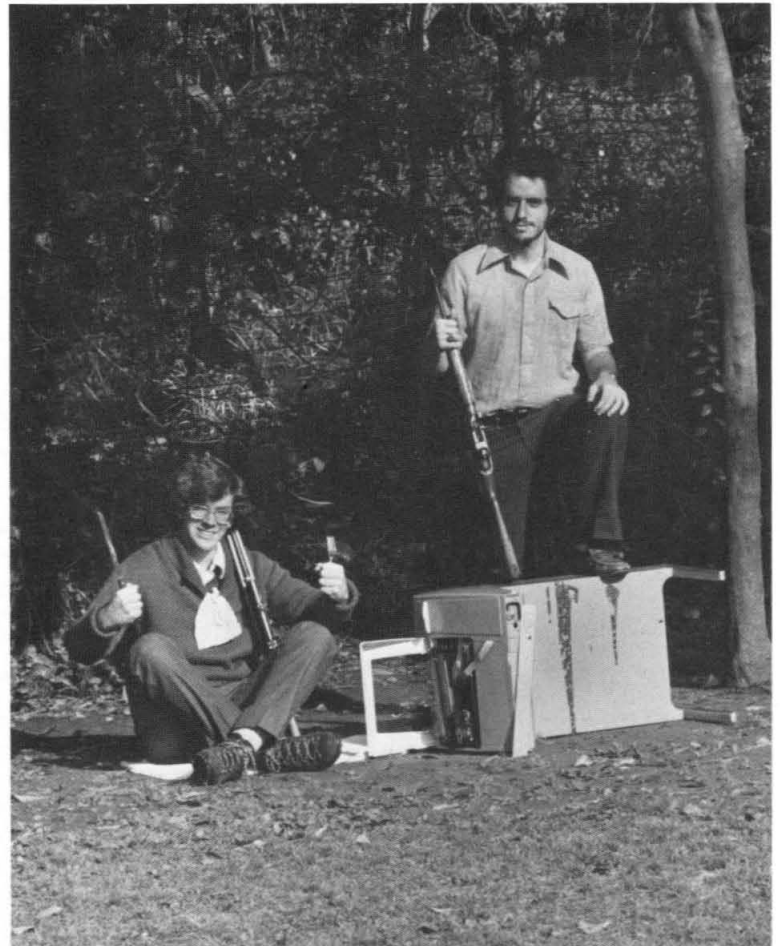
*W. Duncan Rannie
Professor of Jet Propulsion*



*Fredric Raichlen
Professor of Civil Engineering*



*Eileen Leslie Reeds
Engineering and Applied Science
Thousand Oaks, California*

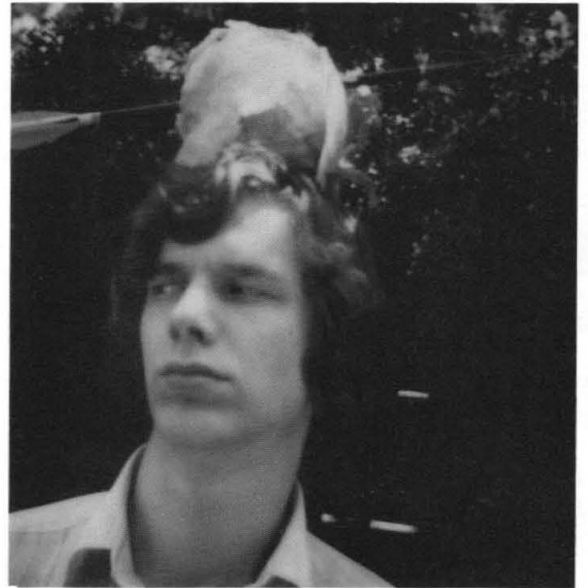


*Barry Bruce Megdal
Engineering and Applied Science
Van Nuys, California*

*David Andrew Rolfe
Engineering and Applied Science
Los Angeles, California*



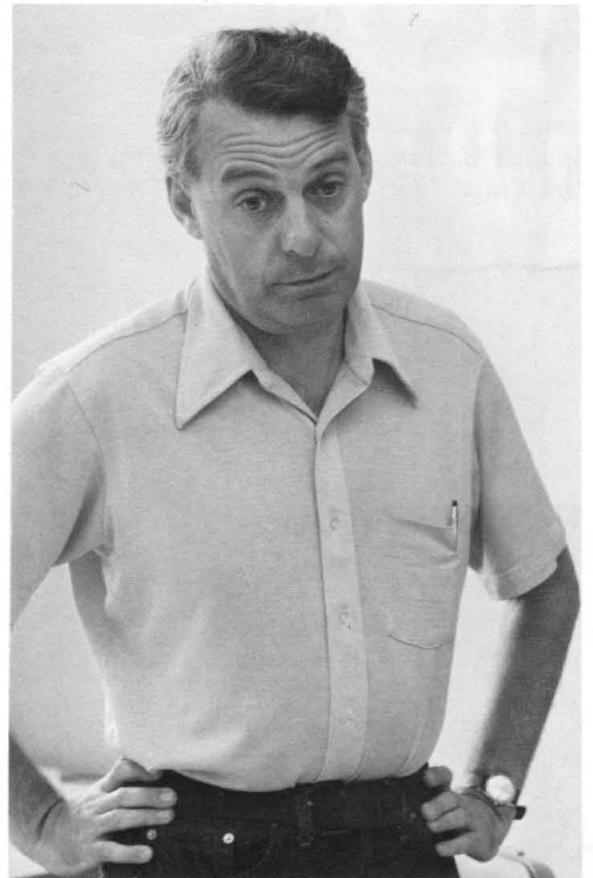
*Edward Charles Rea, Jr.
Engineering and Applied Science
Seabrook, Texas*



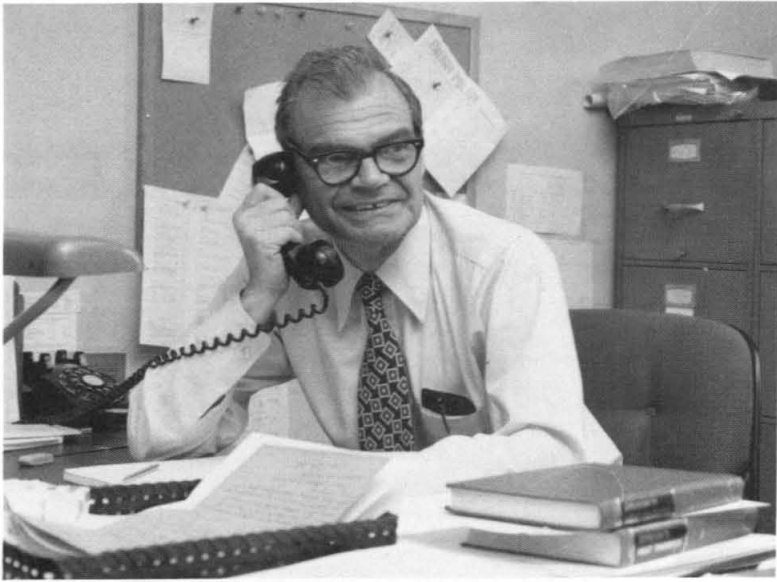
*Michael John Saari
Engineering and Applied Science
Anchorage, Alaska*



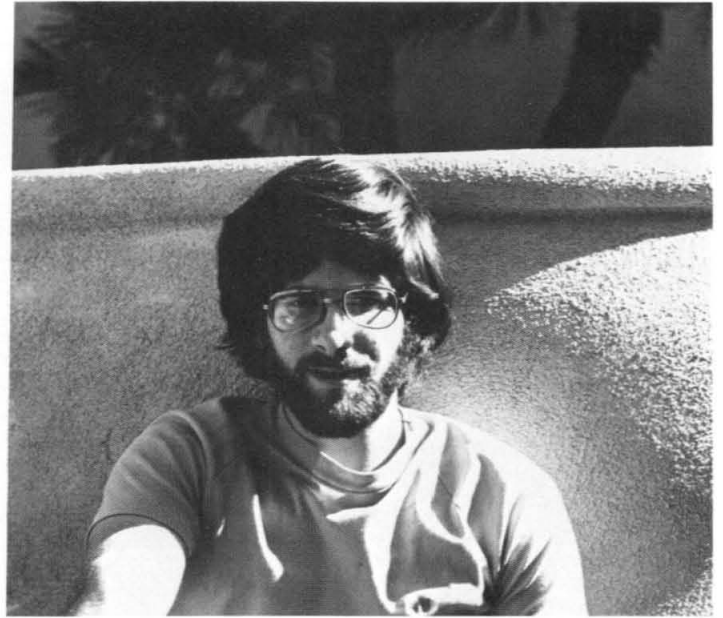
*Dean Lawrence Sanzo
Engineering and Applied Science
Bellevue, Nebraska*



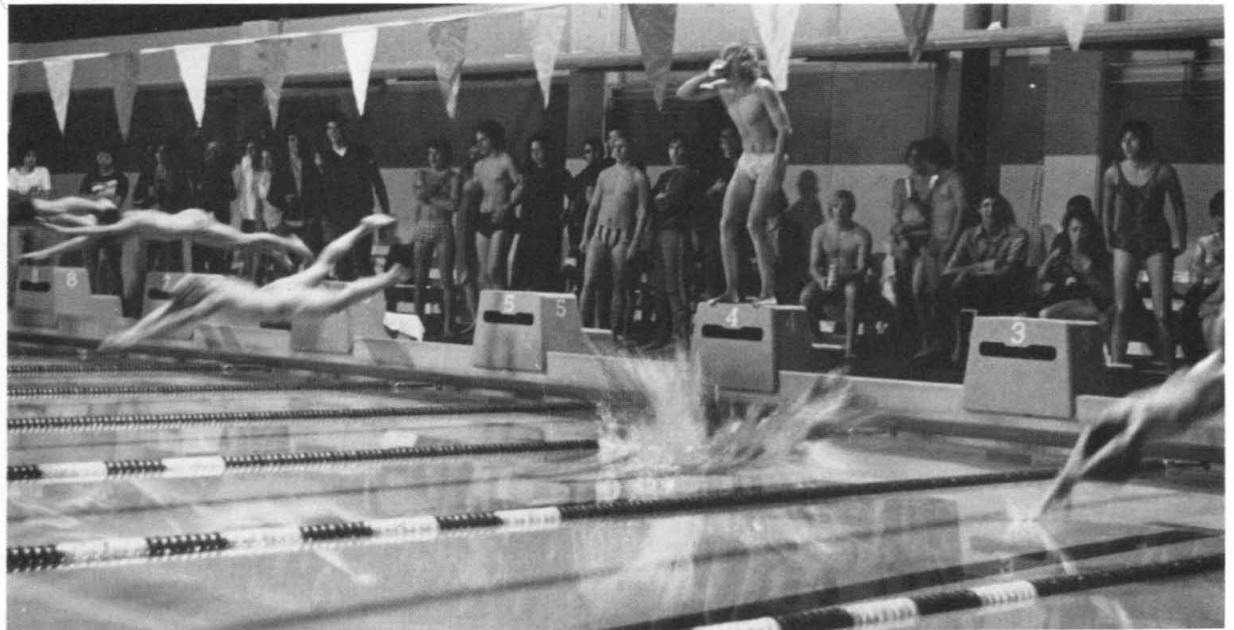
*Philip Geoffrey Saffman
Professor of Applied Mathematics*



*Rolf Heinrich Sabersky
Professor of Mechanical Engineering*



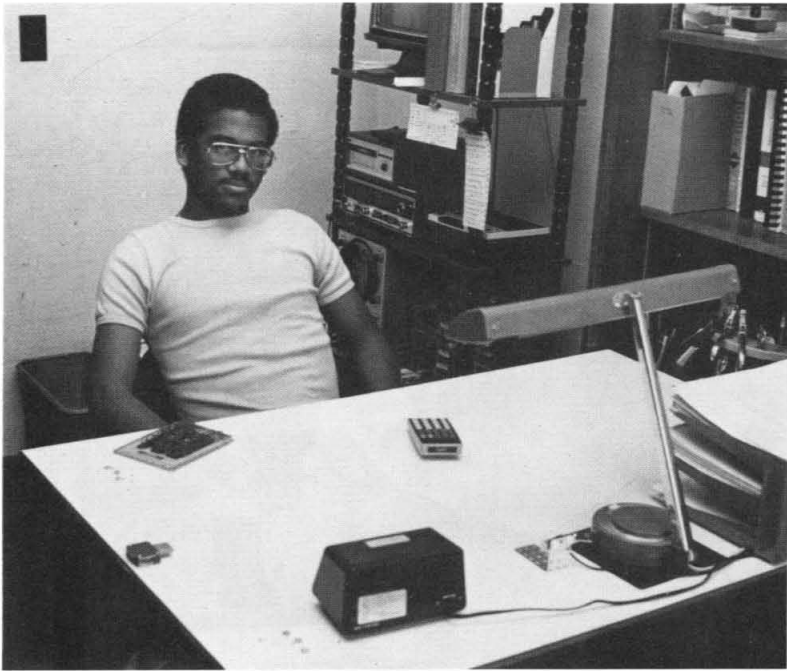
*Alan Jeff Silverstein
Engineering and Applied Science*



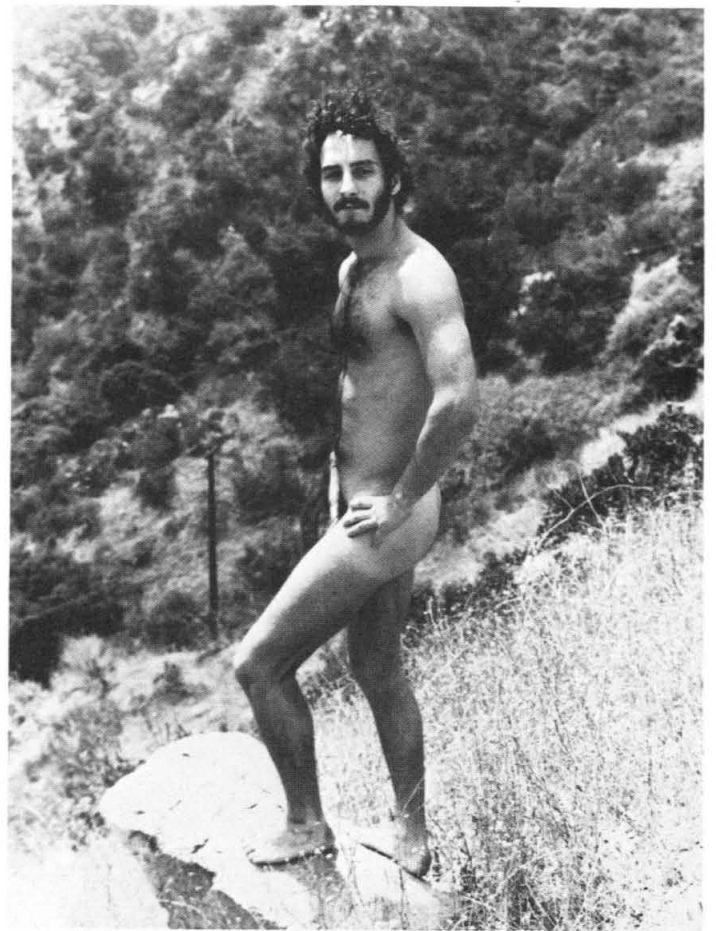
*James Philip Seidel
Applied Mathematics
Park Ridge, Illinois*



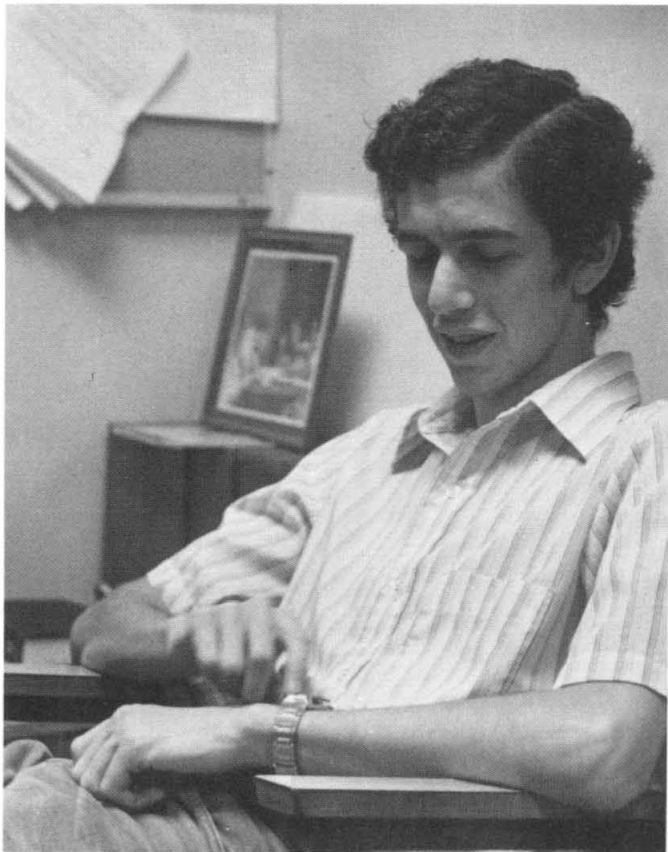
*Joseph Michael Smyth
Engineering and Applied Science
Pasadena, California*



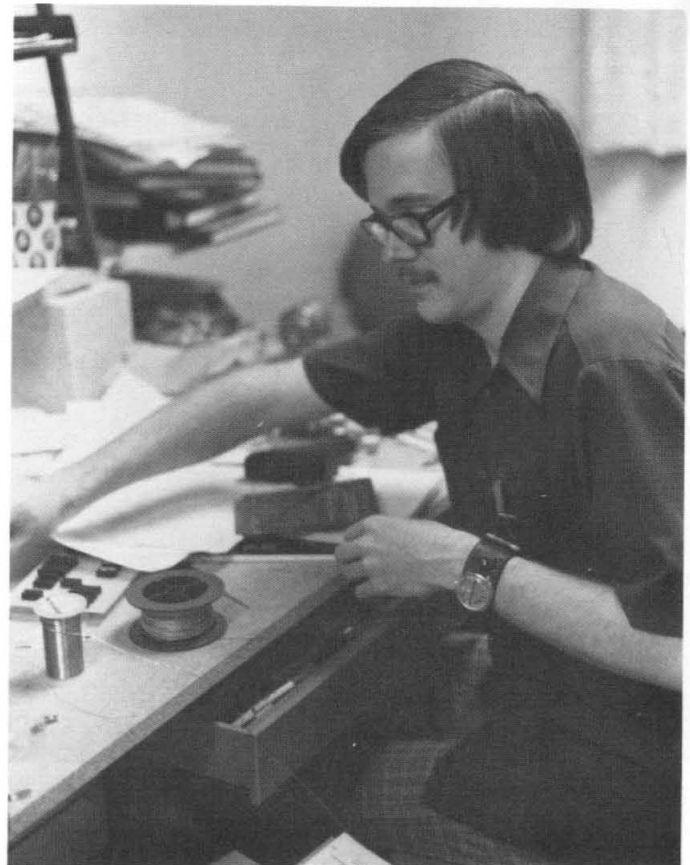
*Anthony Sneed
Engineering and Applied Science
Saugus, California*



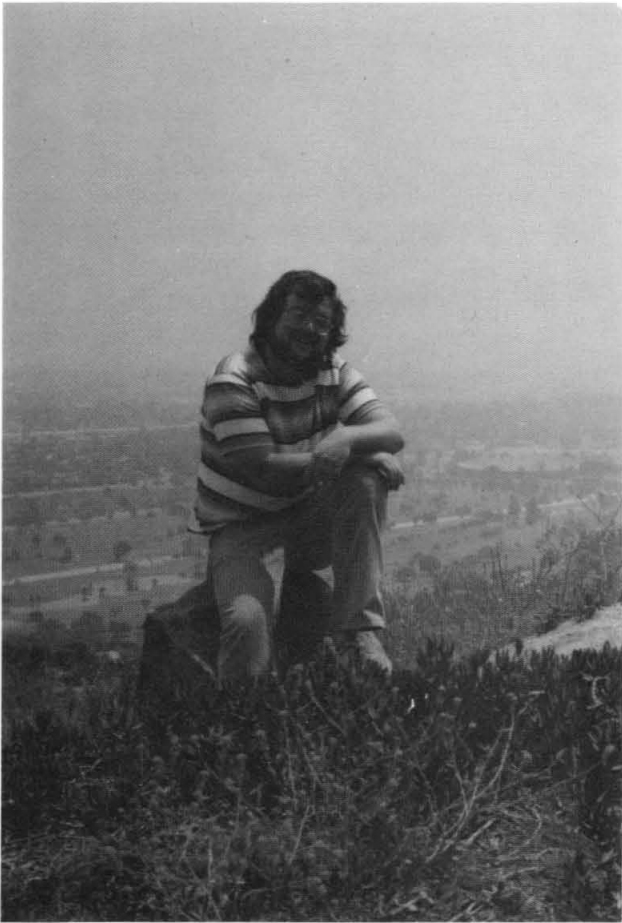
*Jeffrey Alan Simmen
Applied Mathematics
Tonawanda, New York*



*Frederick William Solomon
Applied Mathematics
Anaheim, California*



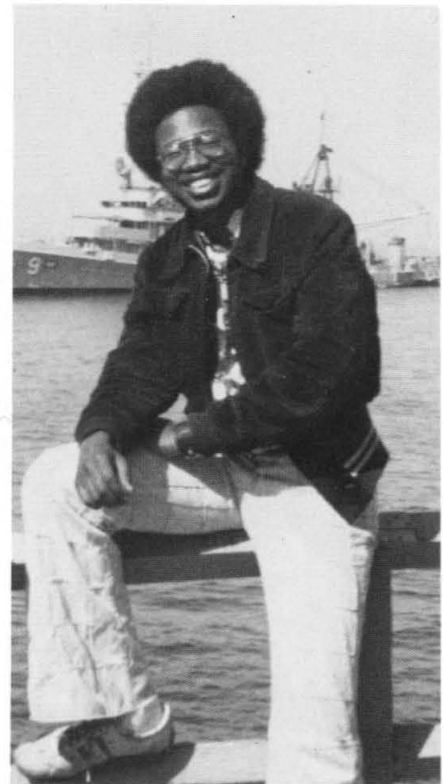
*Phillip J. Short
Engineering and Applied Science
Burnsville, Minnesota*



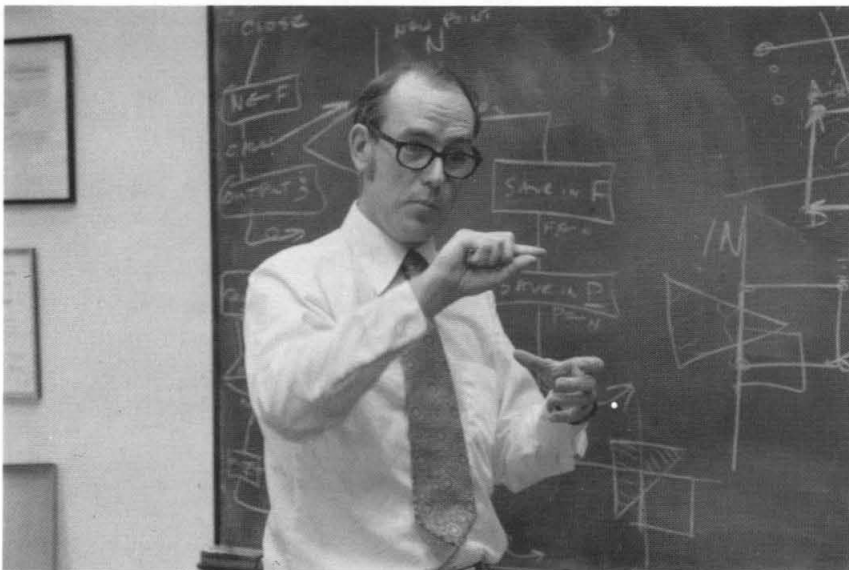
*John Richard Stabler
Engineering and Applied Science
Jacksonville, Florida*



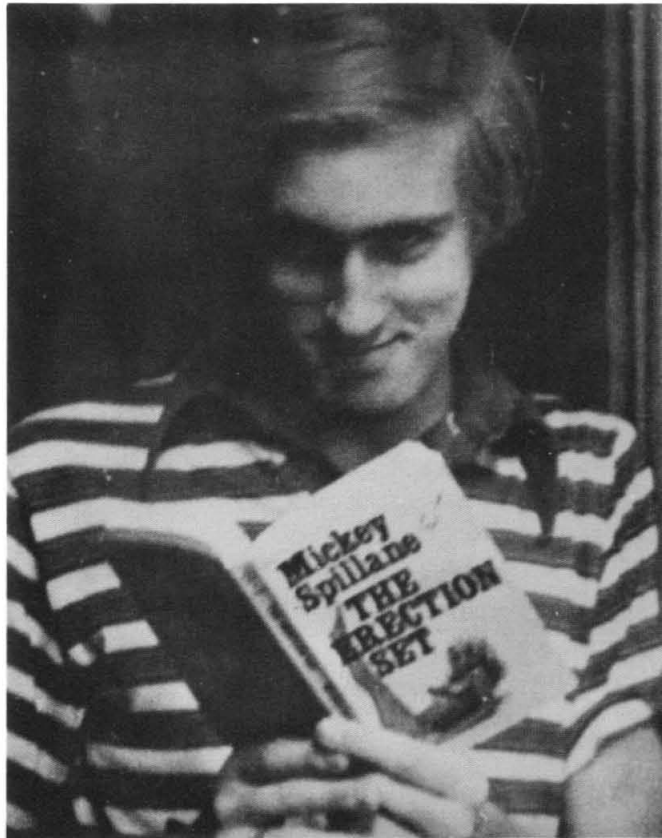
*Eli Sternberg
Professor of Mechanics*



*Robert Lawrence Thornton
Engineering and Applied Science
Washington, District of Columbia*



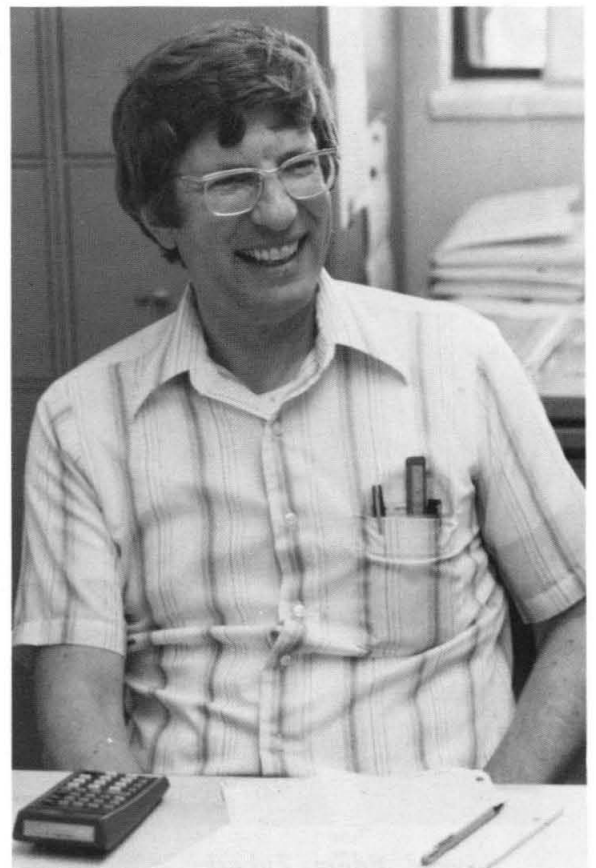
*Ivan E. Sutherland
Professor of Computer Science*



*Stephen Mathias Trimberger
Engineering and Applied Science
Sacramento, California*



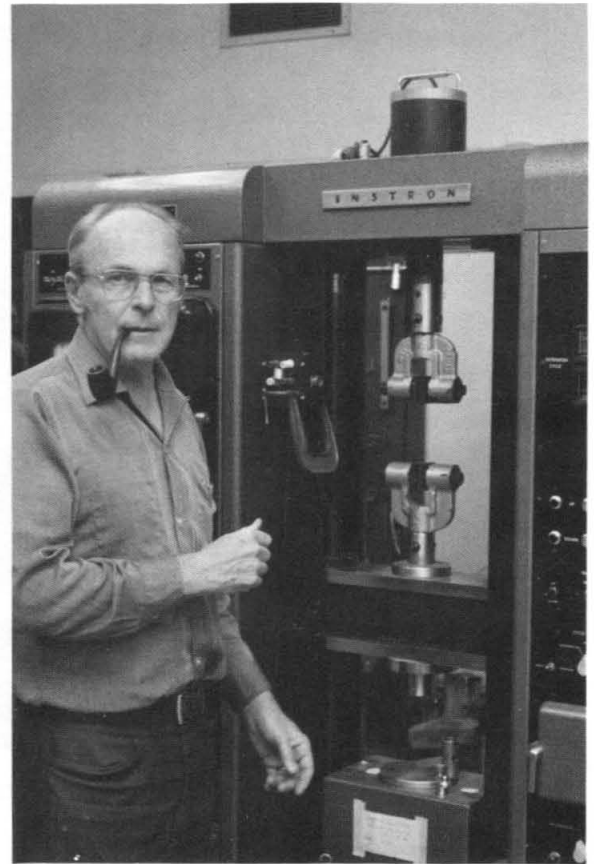
*Donna Mae Wegemer
Applied Mathematics
San Diego, California*



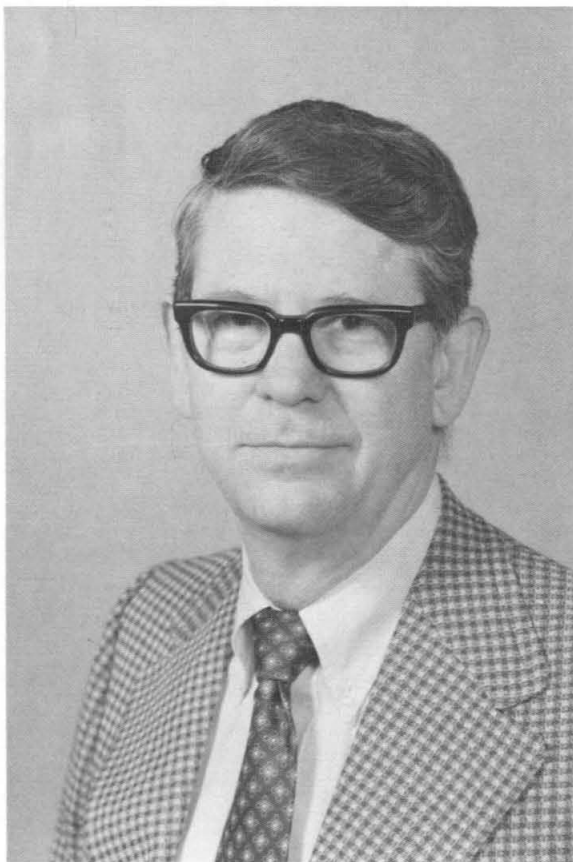
*Thad Vreeland, Jr.
Professor of Materials Science*



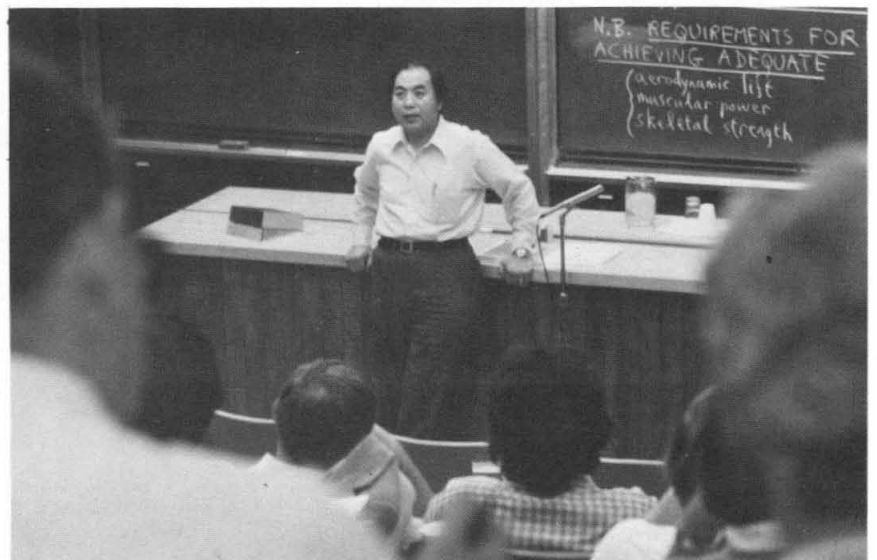
*Nicholas Wei-Hsiung Yang
Engineering and Applied Science/
Applied Mathematics
Jersey City, New Jersey*



*David Shotwell Wood
Professor of Materials Science*

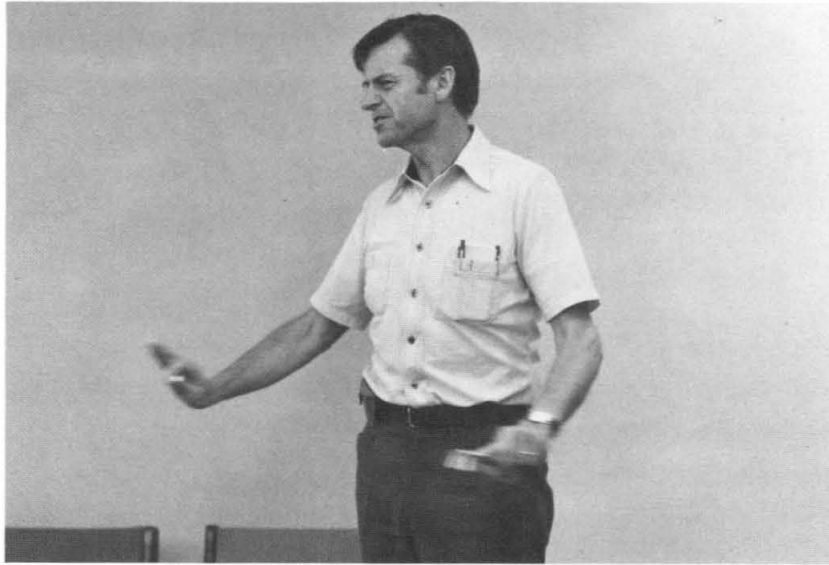


*Edward Edom Zukoski
Professor of Jet Propulsion*

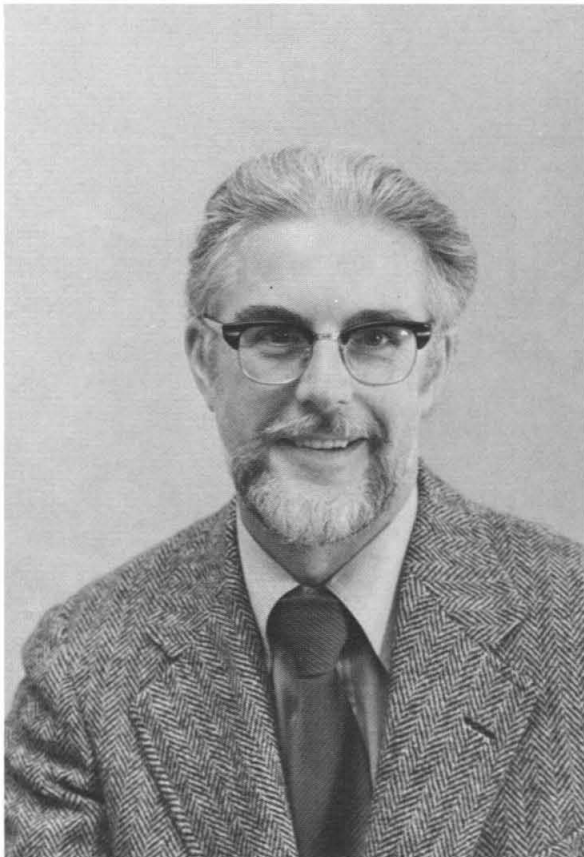


*Theodore Yao-Tsu Wu
Professor of Engineering Science*

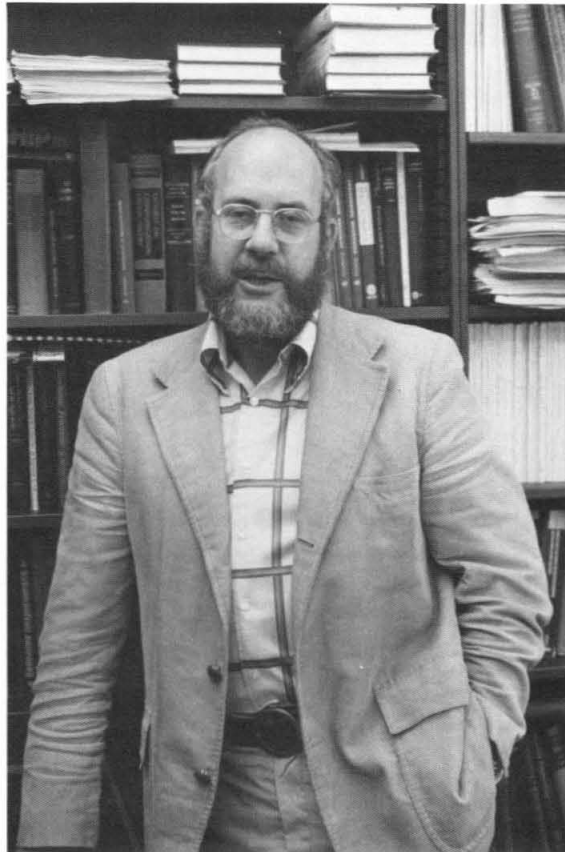
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*Robert Hamilton Cannon, Jr.
Professor of Engineering
Chairman of the Division of
Engineering and Applied Science*

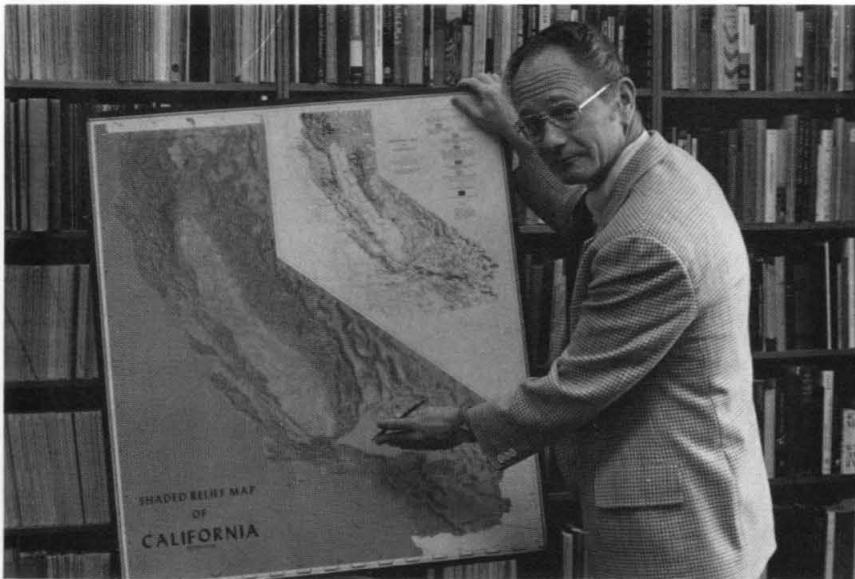


*Robert David Middlebrook
Professor of Electrical Engineering*

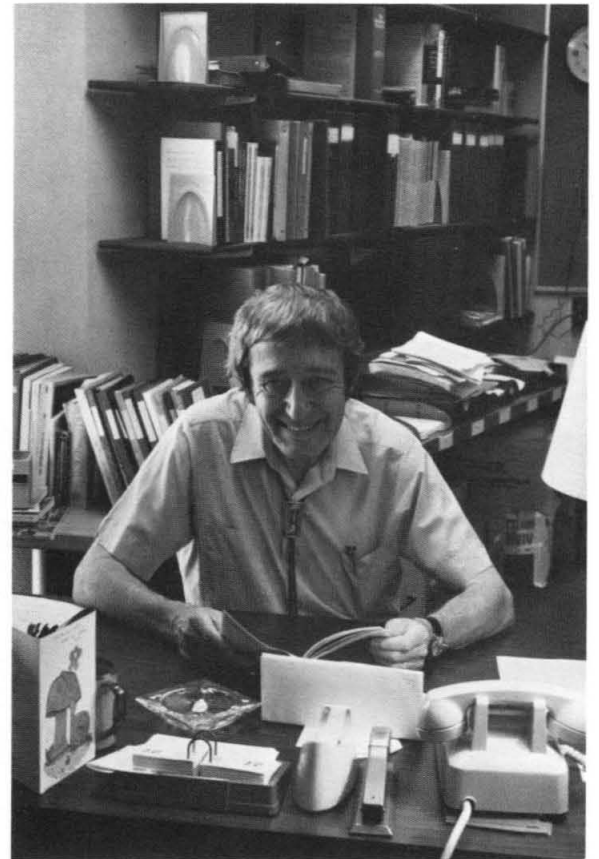


*Thomas Kirk Caughey
Professor of Applied Mechanics*

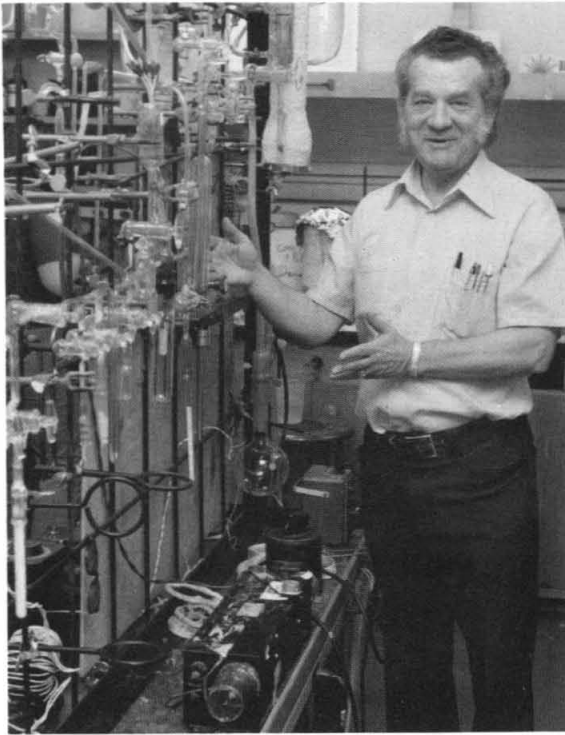
GEOLOGY AND PLANETARY SCIENCE



Clarence Roderic Allen
Professor of Geology and Geophysics



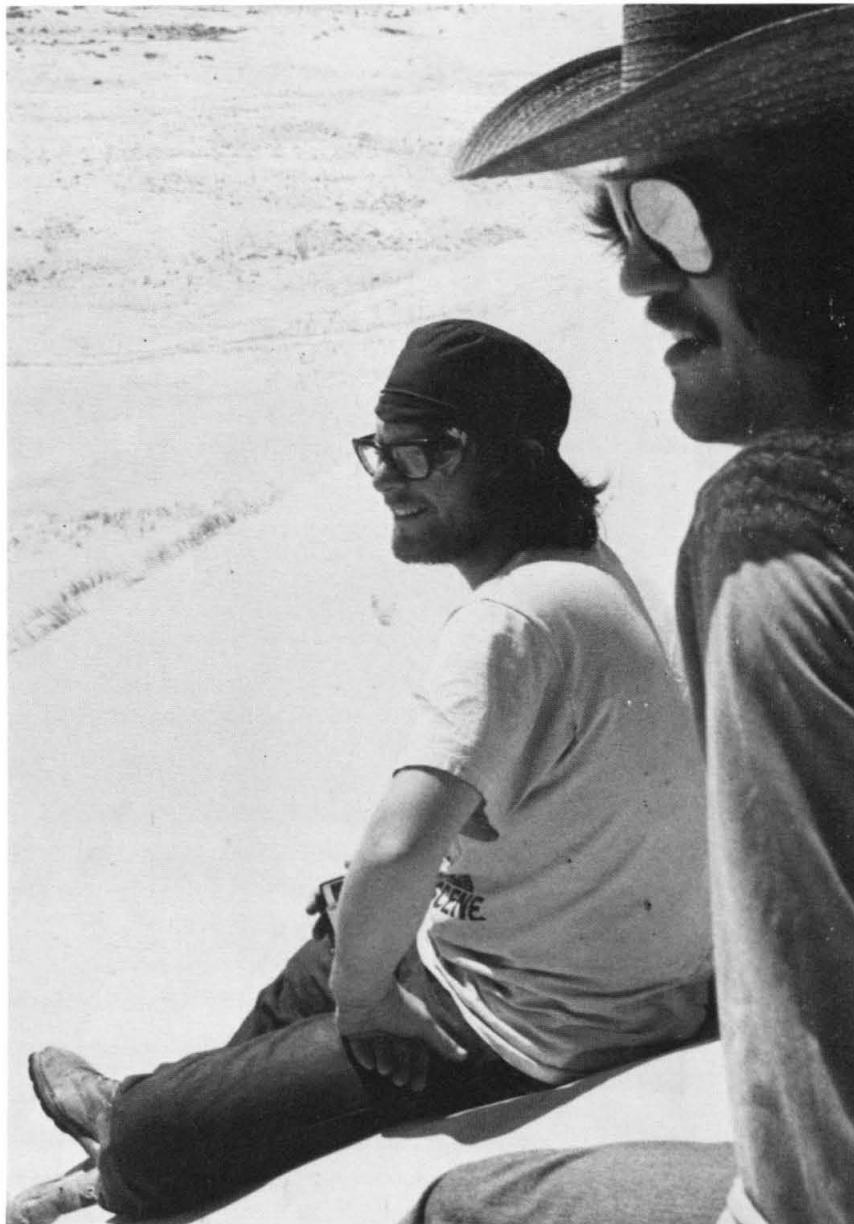
Harrison Scott Brown
Professor of Geochemistry
and Science and Government



Samuel Epstein
Professor of Geochemistry

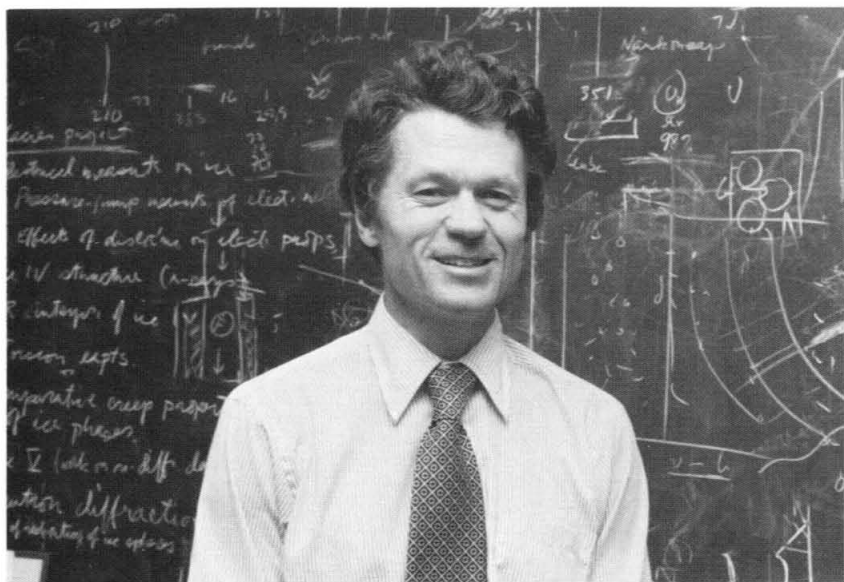


Jill Evensizer
Geology
Pasadena, California

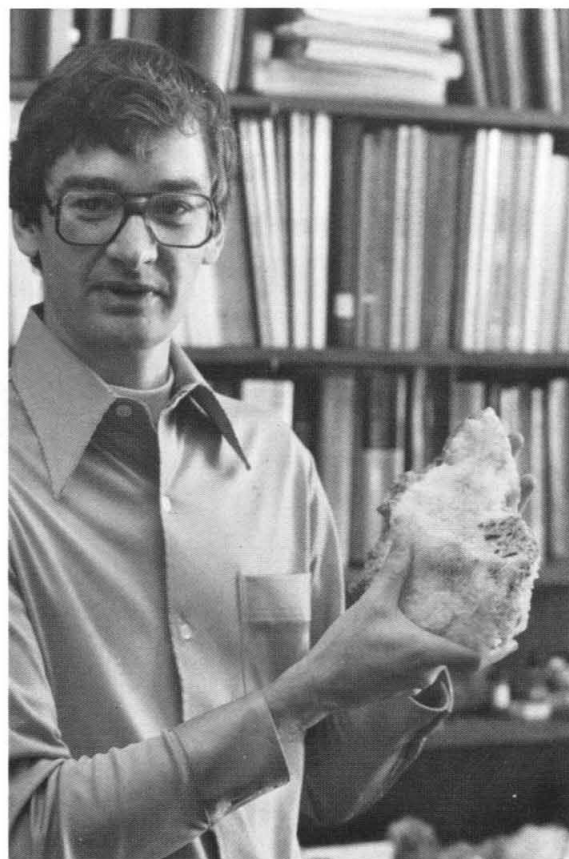


Peter Thomas German
Geology
Houston, Texas

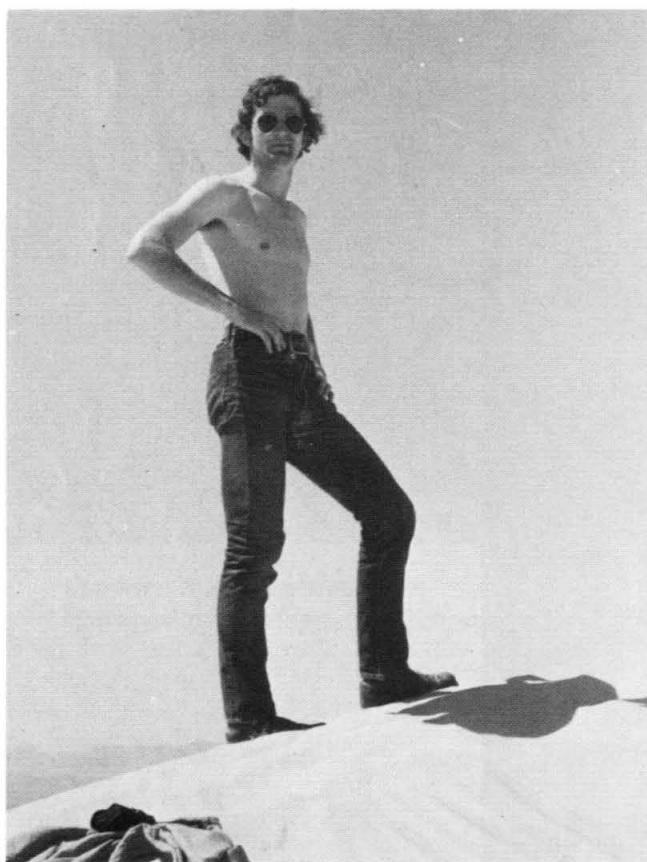
Jim Mullany
Geology
Alexandria, Virginia



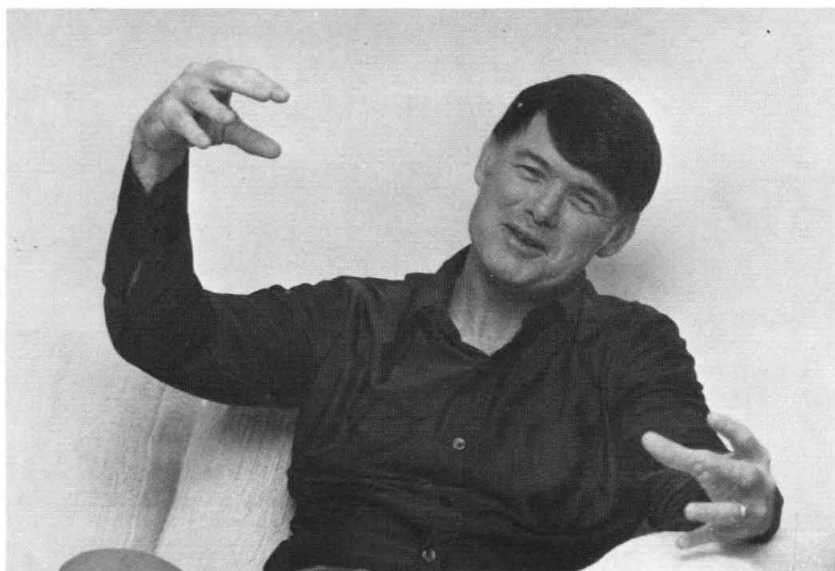
*Walter Barclay Kamb
Professor of Geology
and Geophysics
Chairman of the Division of
Geology and Planetary Science*



*George Robert Rossman
Assistant Professor of Mineralogy*



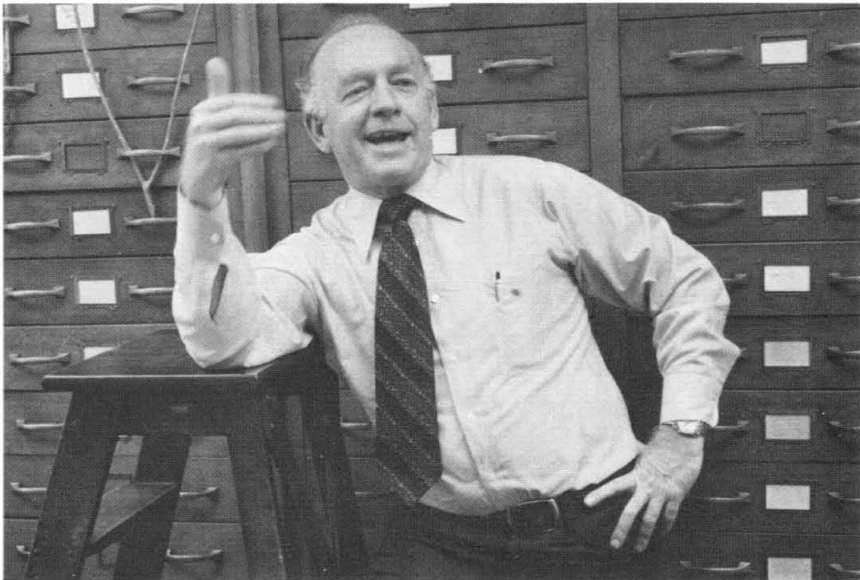
*James Joseph Hickey
Geology
St. Louis, Missouri*



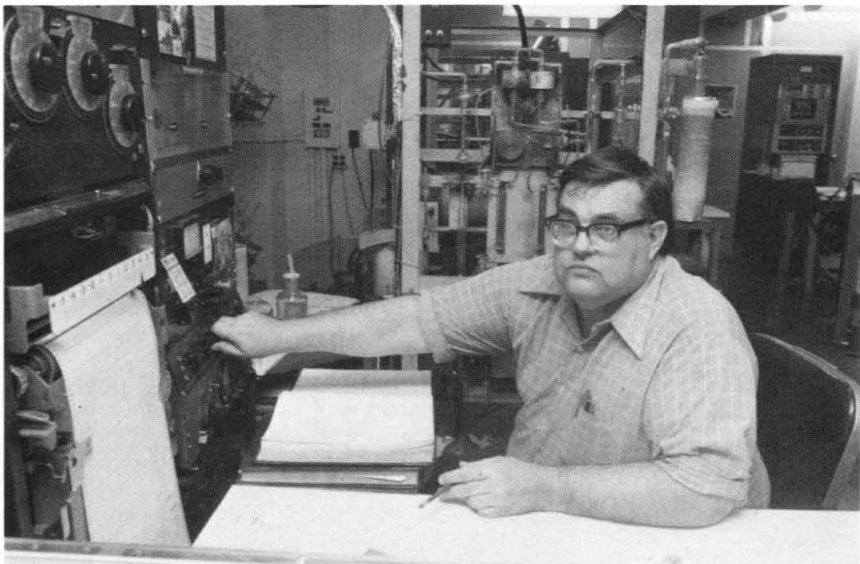
*Bruce Churchill Murray
Professor of Planetary Science
Director of Jet Propulsion Laboratory*



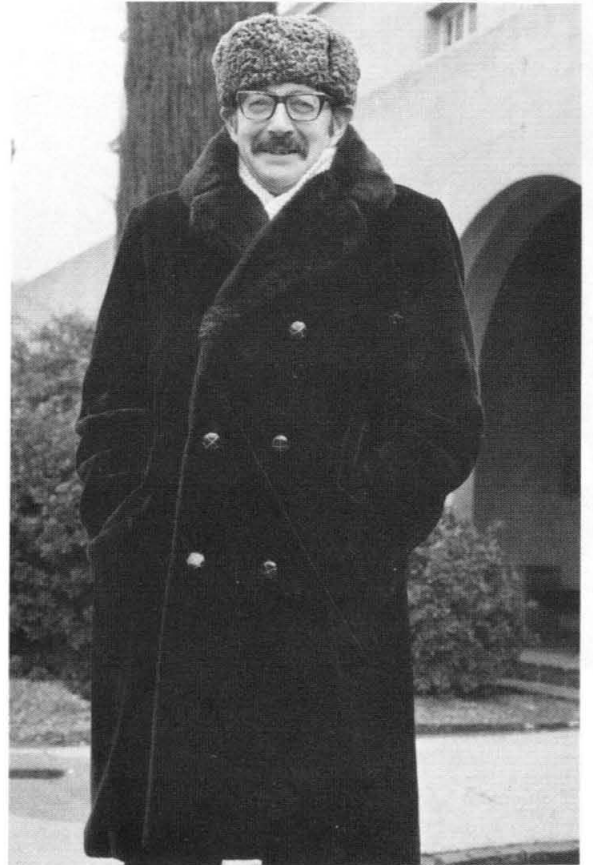
*Ken Severin
Geology
New Baltimore, Virginia*



*Leon Theodore Silver
Professor of Geology*



*Hugh Pettingill Taylor, Jr.
Professor of Geology*

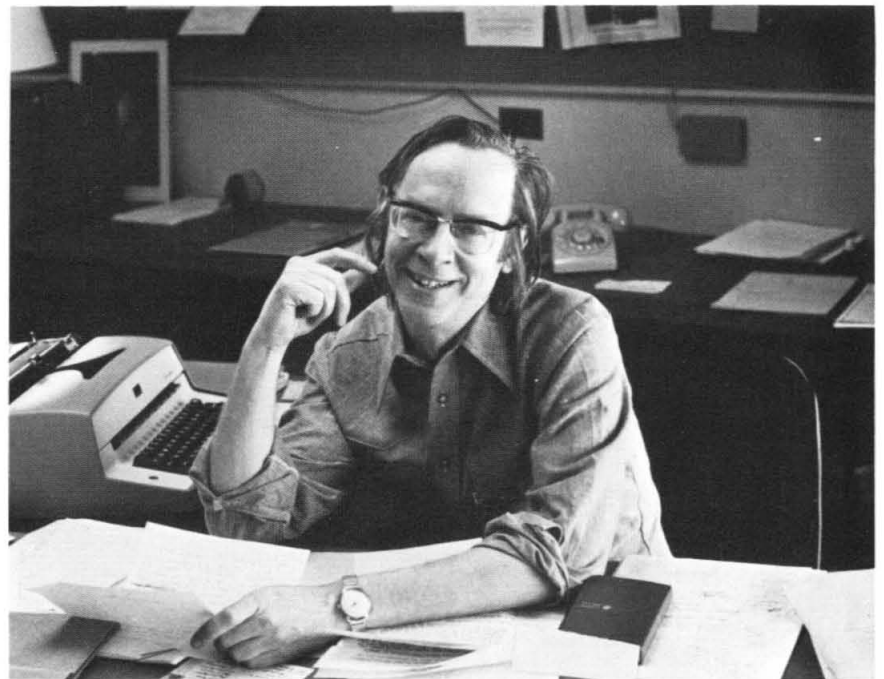


*Gerald J. Wasserburg
Professor of Geology and Geophysics*

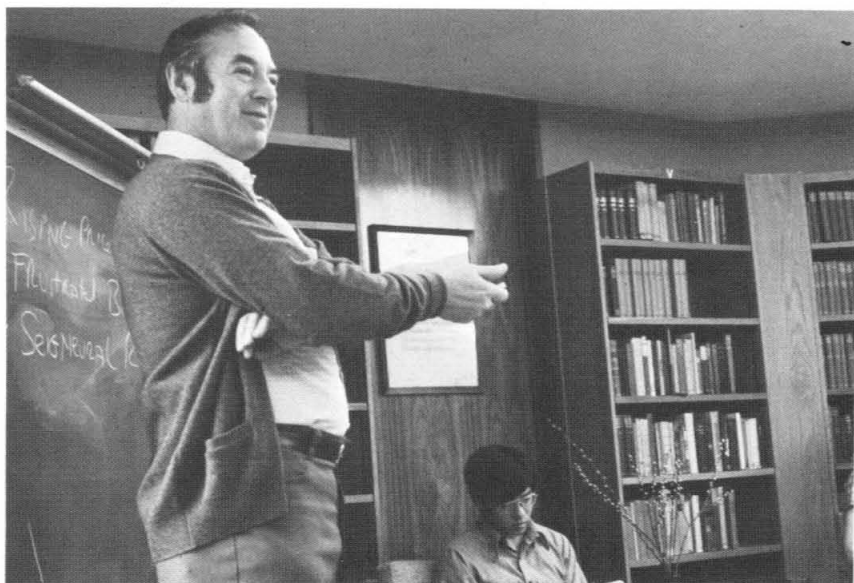
HUMANITIES AND SOCIAL SCIENCE



*Edward Hutchings, Jr.
Lecturer in Journalism*



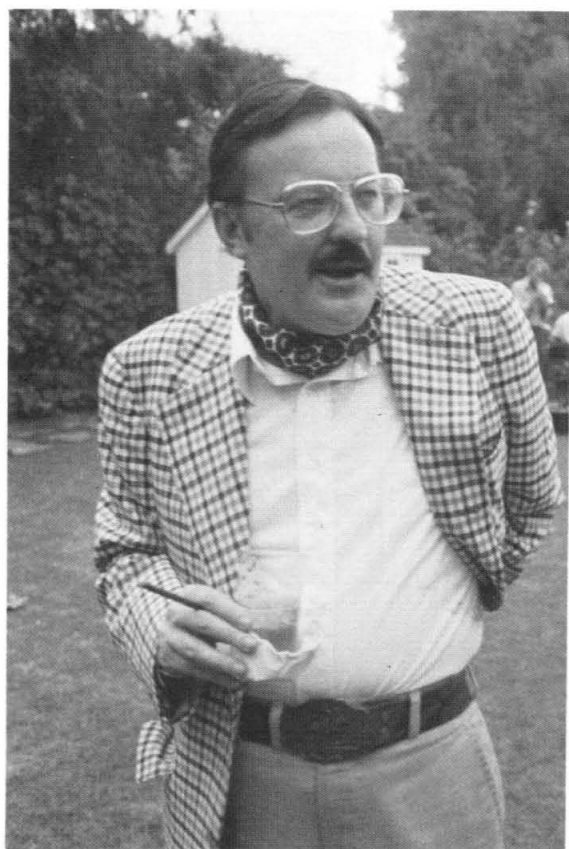
*Angus J. S. Fletcher
Professor of English*



*Robert A. Huttenback
Professor of History
Chairman of the Division
of Humanities and
Social Sciences 1972-1977*



*Catherine Claire Marshall
Literature
Rancho Palos Verdes, California*



*David W. Morrisroe
Lecturer in Business Economics
Vice President for Financial Affairs
and Treasurer*



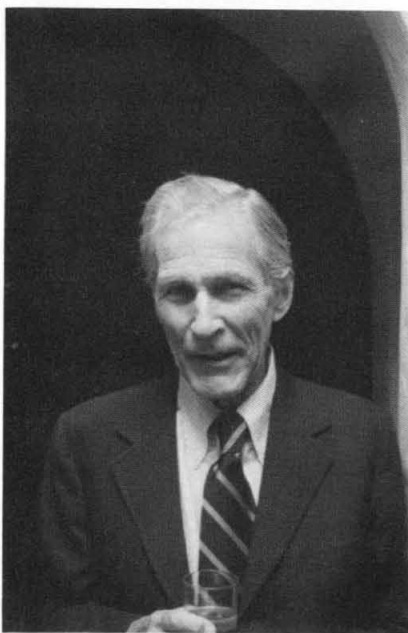
*Edwin Stanton Munger
Professor of Geography*



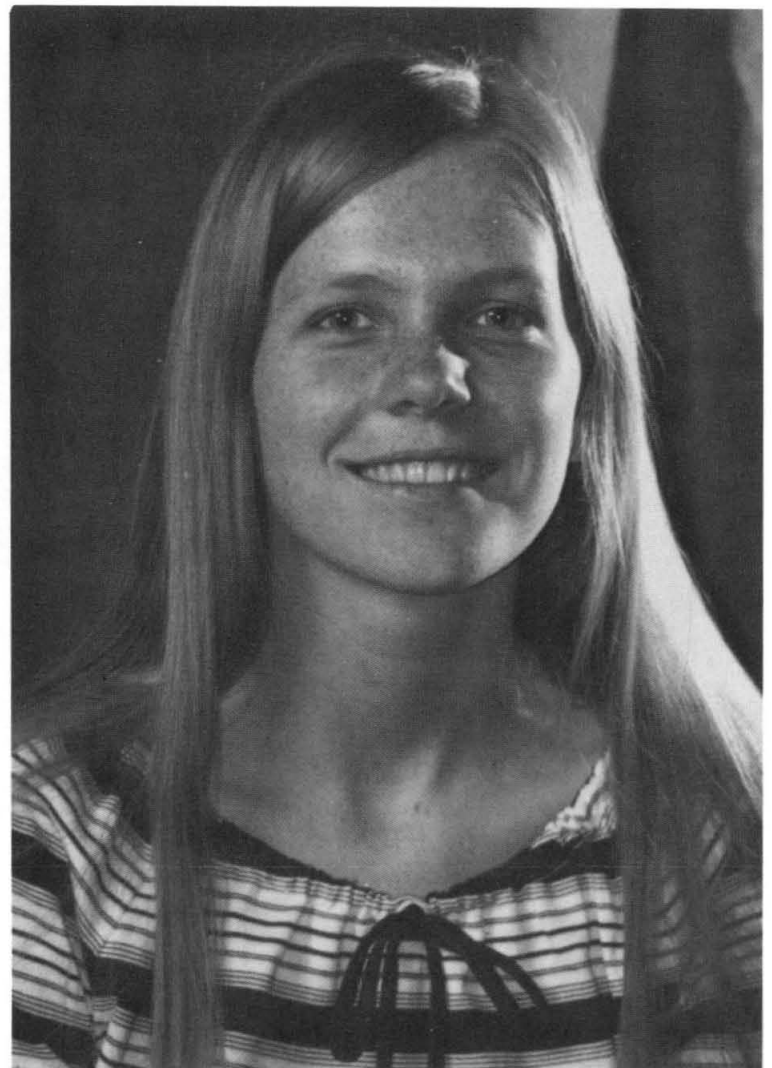
*Joyce Penn
Assistant Professor of English*



*Karen Marie Phillips
English
Los Angeles, California*



*Alan R. Sweezy
Professor of Economics*

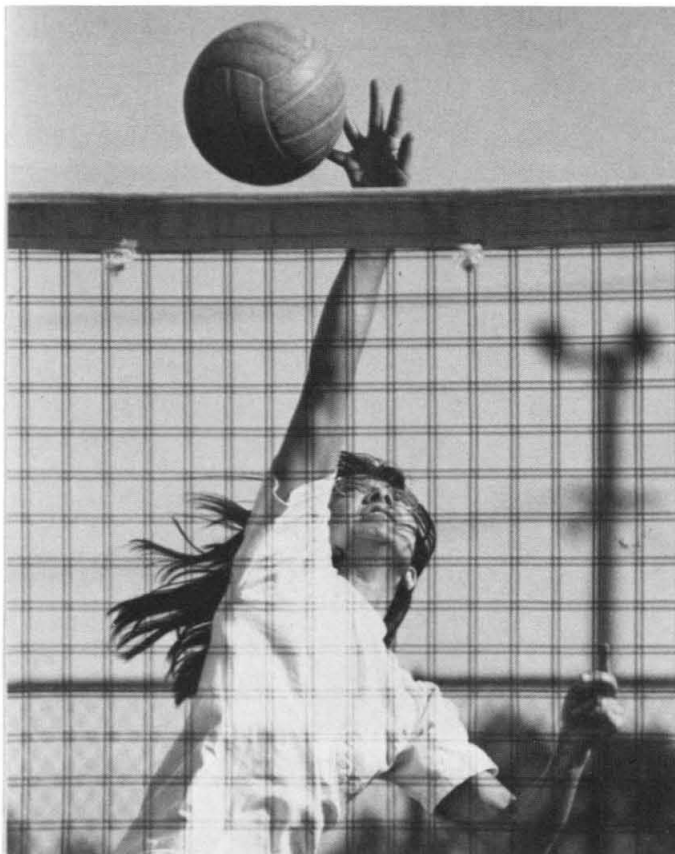


*Rebecca Jane Winter
History
South Pasadena, California*



*Valentina Zaydman
Lecturer in Russian*

INDEPENDENT STUDIES PROGRAM



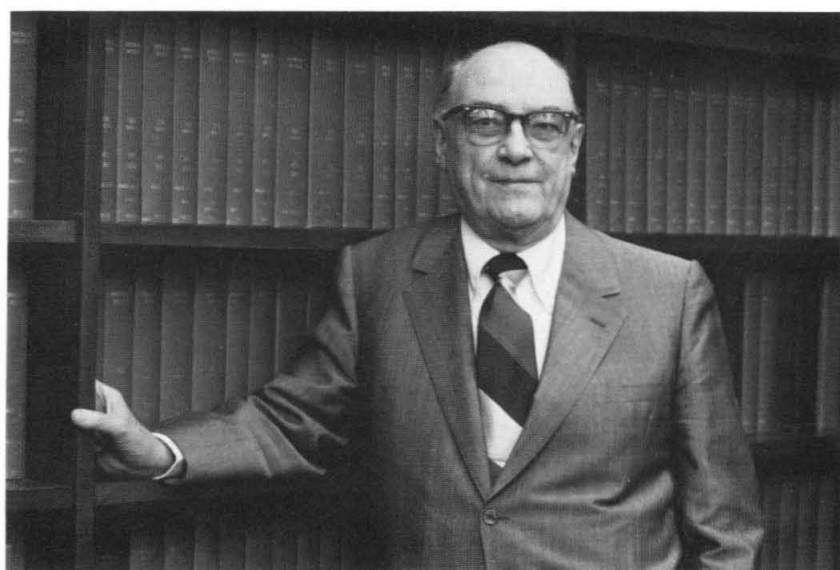
*Melody Ann Howe
Independent Studies Program
Torrance, California*

PHYSICS, MATHEMATICS AND ASTRONOMY

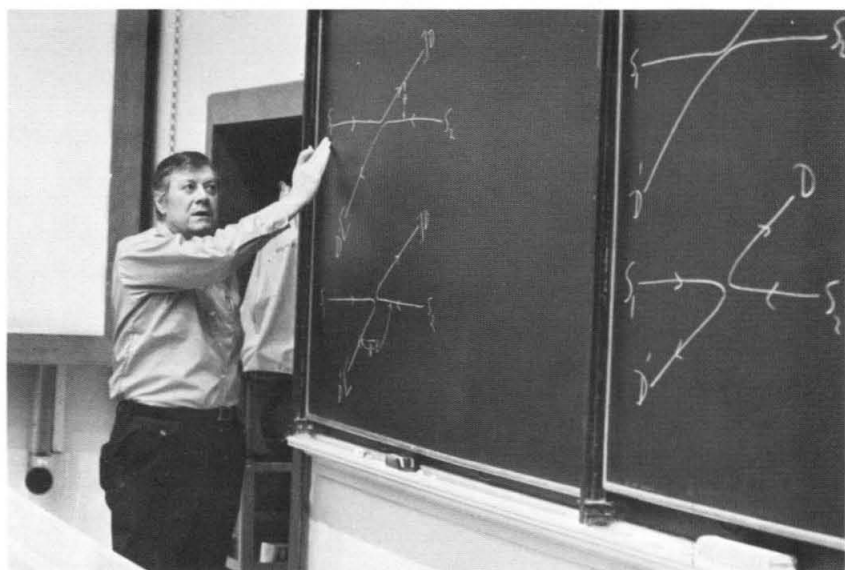


Joseph David Arpaia
Mathematics
Granada Hills, California

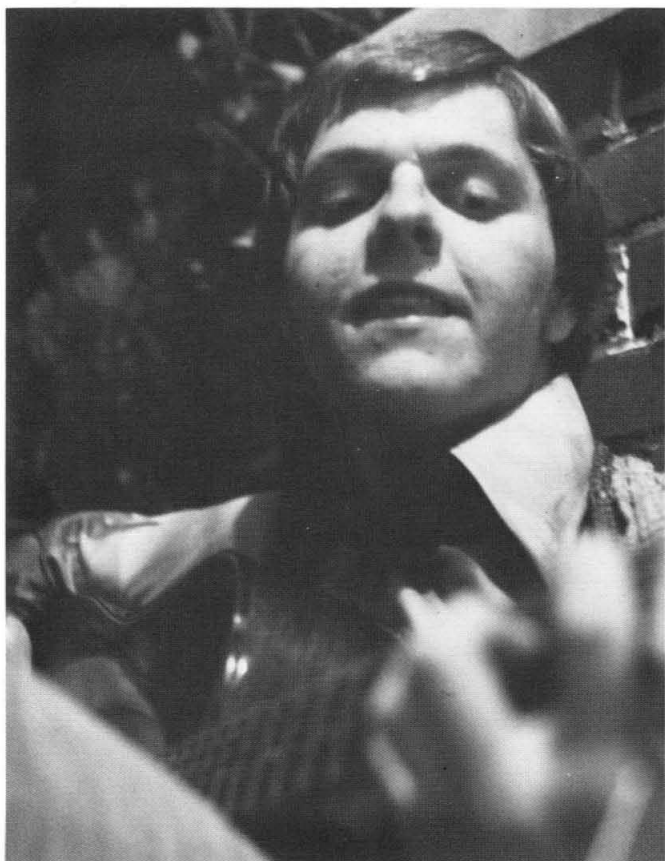
Merril Gibson



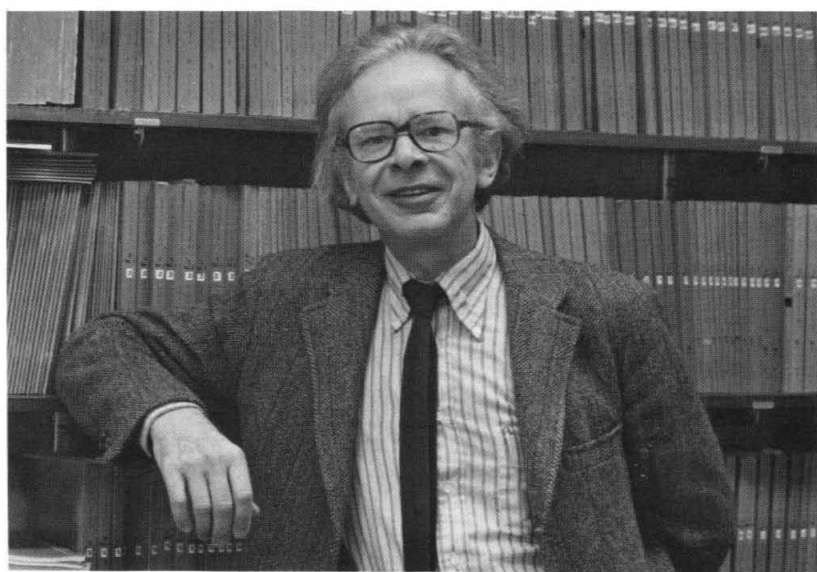
Carl David Anderson
Professor of Physics, Emeritus
Nobel Laureate



Charles Andrew Barnes
Professor of Physics



Mark Samuel Bickford
Mathematics
Lawrence, Kansas



Felix Hans Boehm
Professor of Physics



Henri Frederic Bobnenblust
Professor of Mathematics, Emeritus

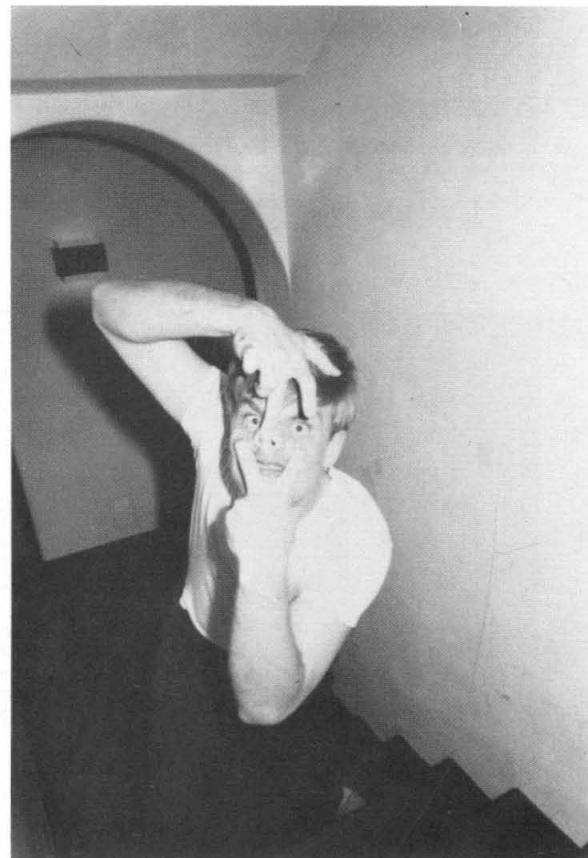


*Lawrence Edward Bridges
Astronomy
Sunnyvale, California*

*Eric G. Carter
Astronomy
Fairfield, Connecticut*



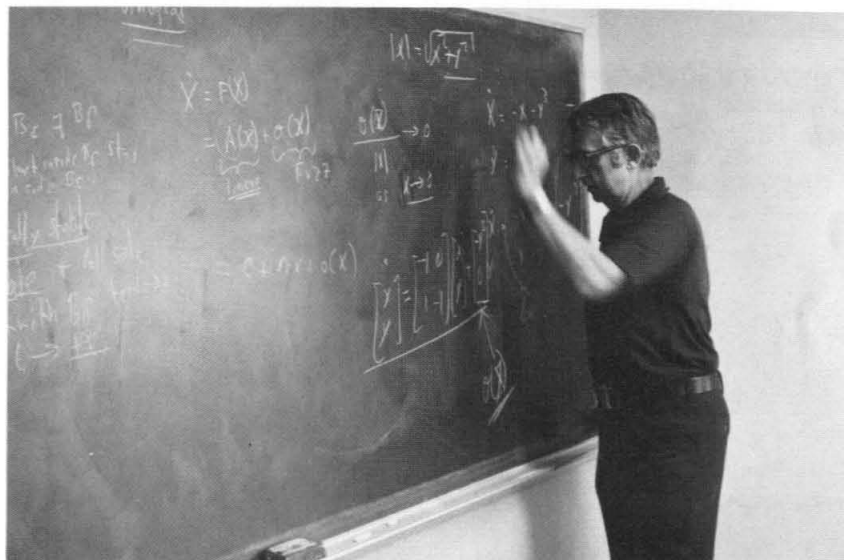
*Daniel T. Brown
Mathematics/Engineering and Applied Science
Seattle, Washington*



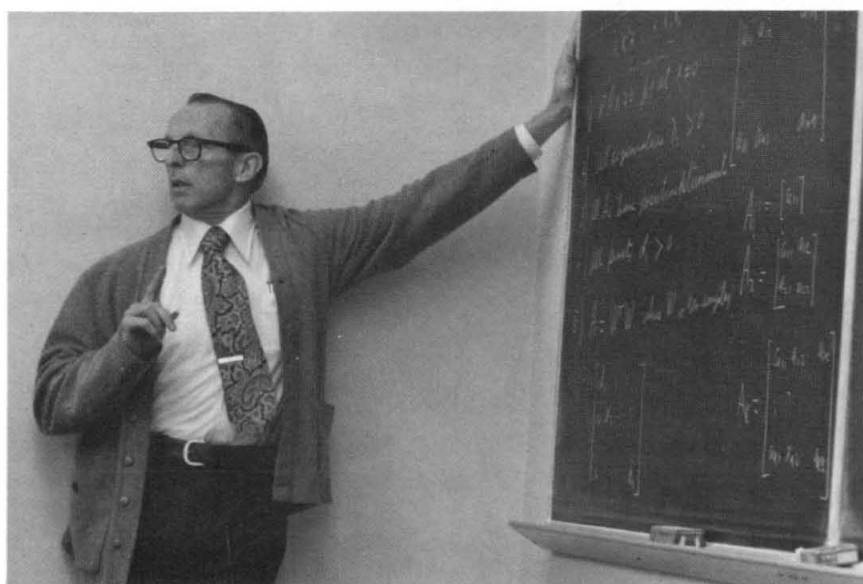
*David James Edward Callaway
Physics
Stockton, California*



*Alan Elbert Comer
Physics/Engineering
Kent, Washington*



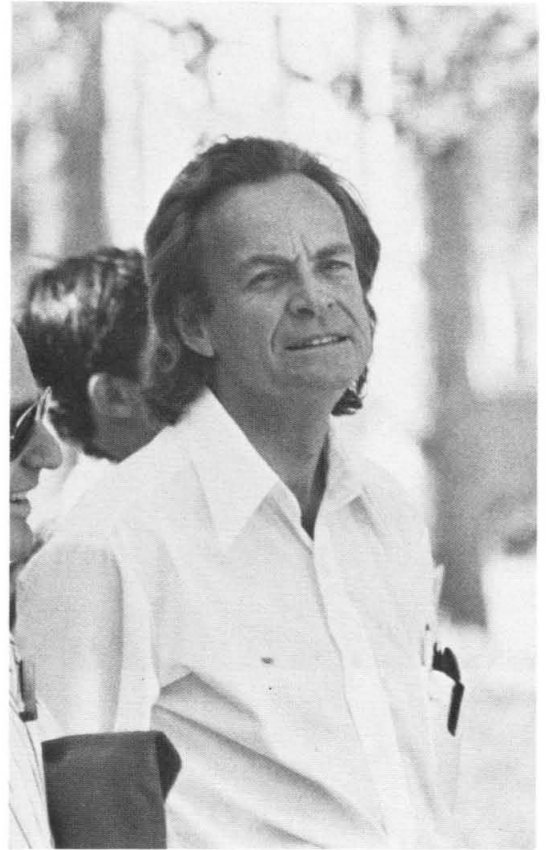
*Richard Albert Dean
Professor of Mathematics*



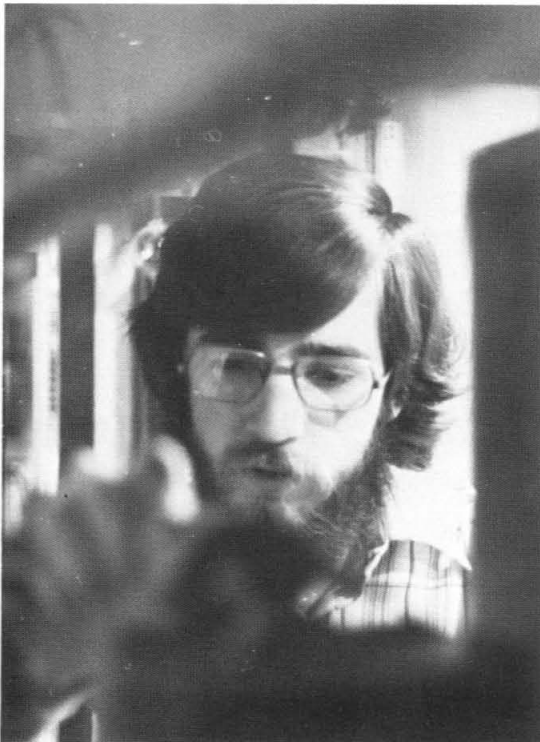
*Robert Palmer Dilworth
Professor of Mathematics*



*Gregory Paul Dunn
Mathematics
Castro Valley, California*



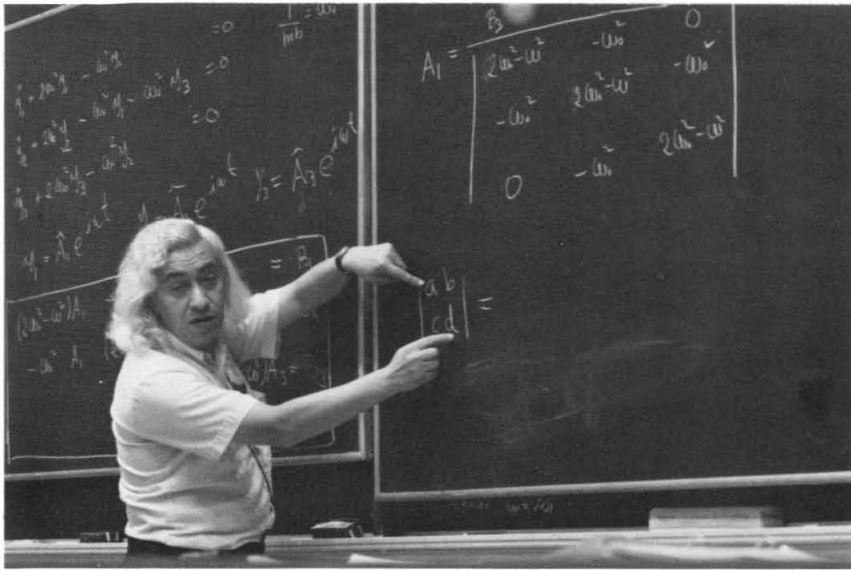
*Richard Phillips Feynman
Professor of Theoretical Physics
Nobel Laureate*



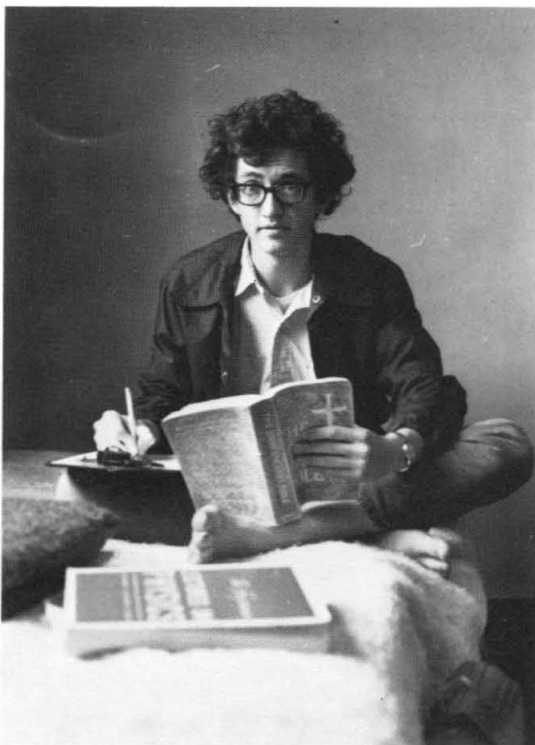
*David James Frank
Physics
Arlington, Virginia*



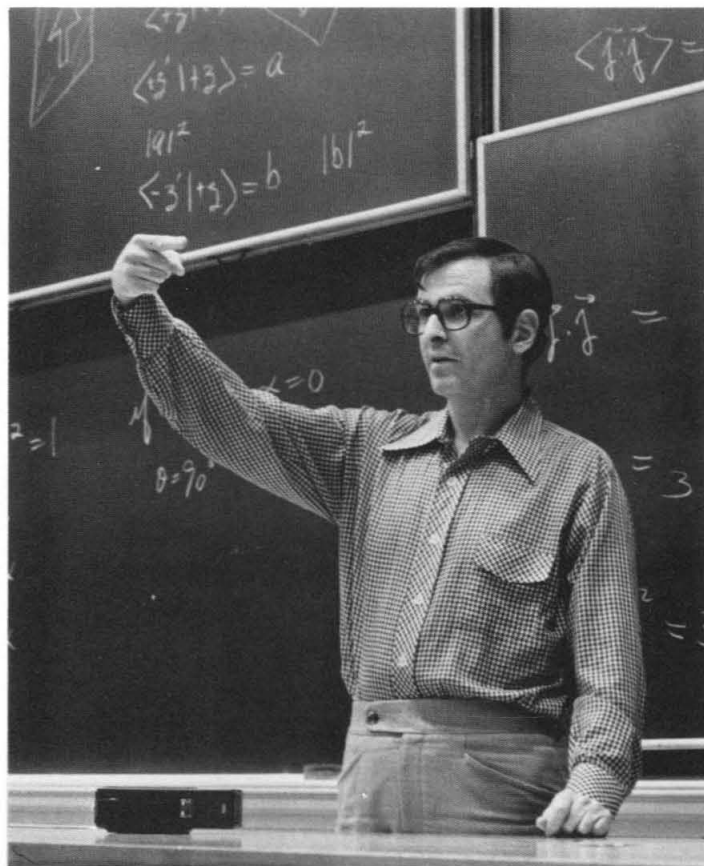
*Murray Gell-Mann
Professor of Theoretical Physics
Nobel Laureate*



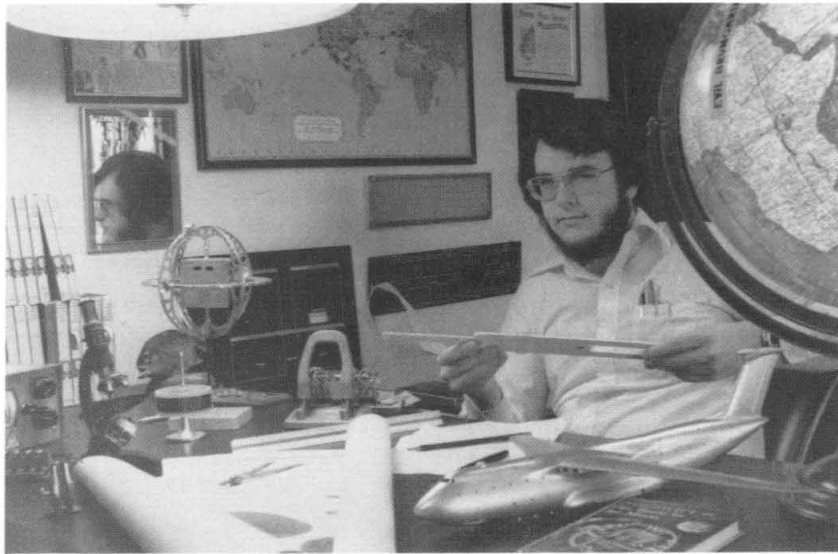
Ricardo Gomez
Associate Professor of Physics



Christopher Lee Henley
Physics/Mathematics
Baltimore, Maryland



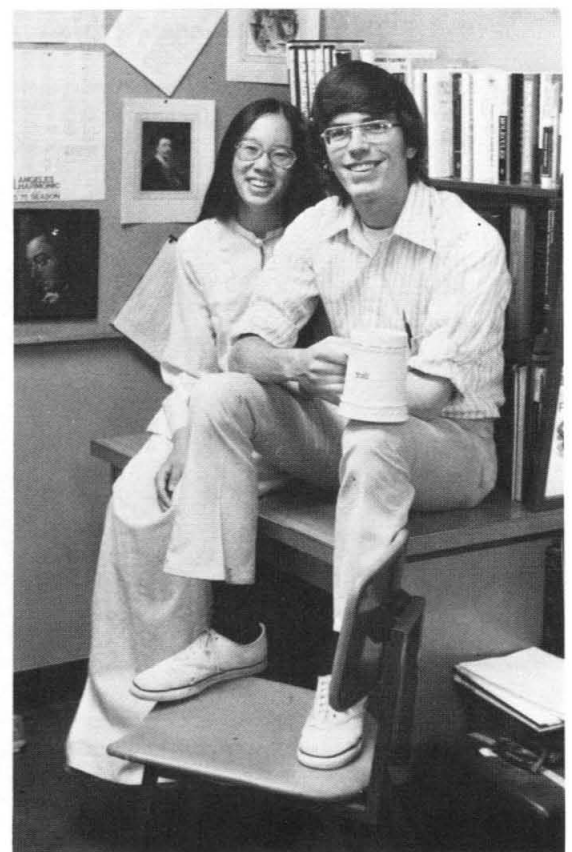
David Louis Goodstein
Professor of Physics and Applied Physics



*Russell D. Howard
Mathematics
Scottsdale, Arizona*



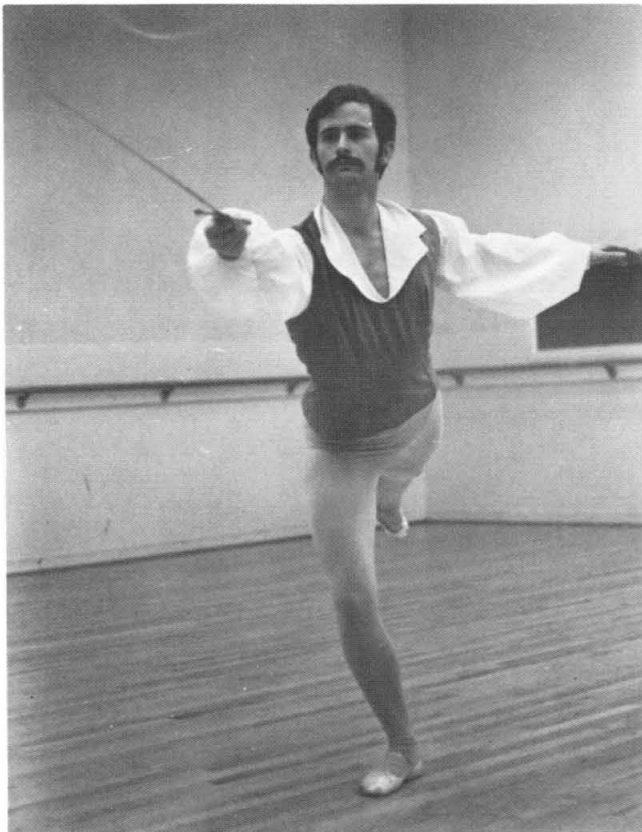
*James J. Kelly
Physics
Selden, New York*



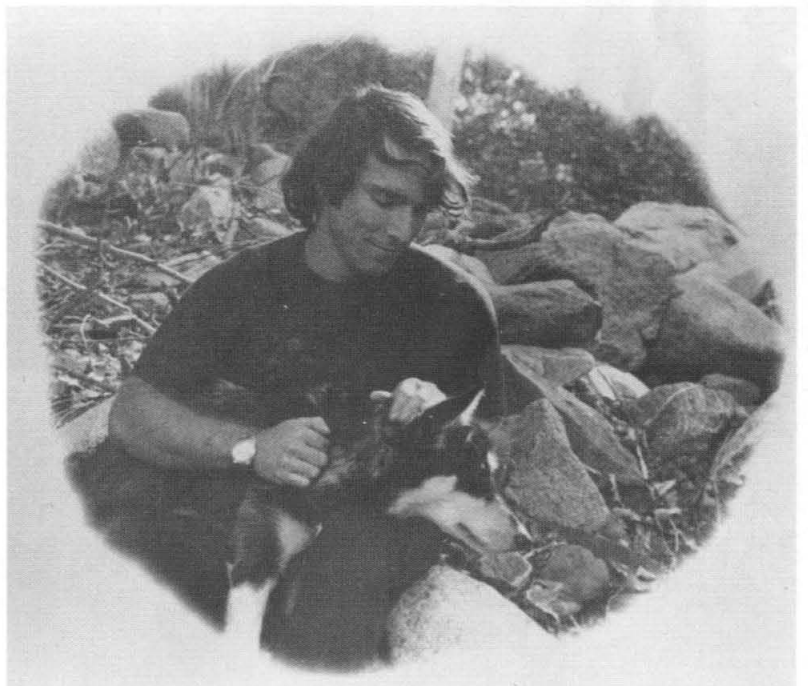
*Kathleen Lan-Yee Kong
Mathematics
Huntington Beach, California*



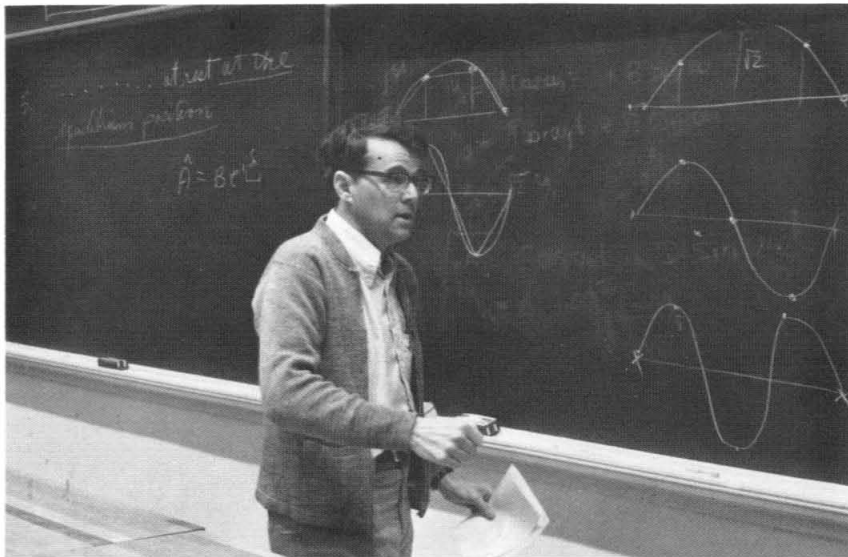
*Gary Allen Lorden
Associate Professor of Mathematics*



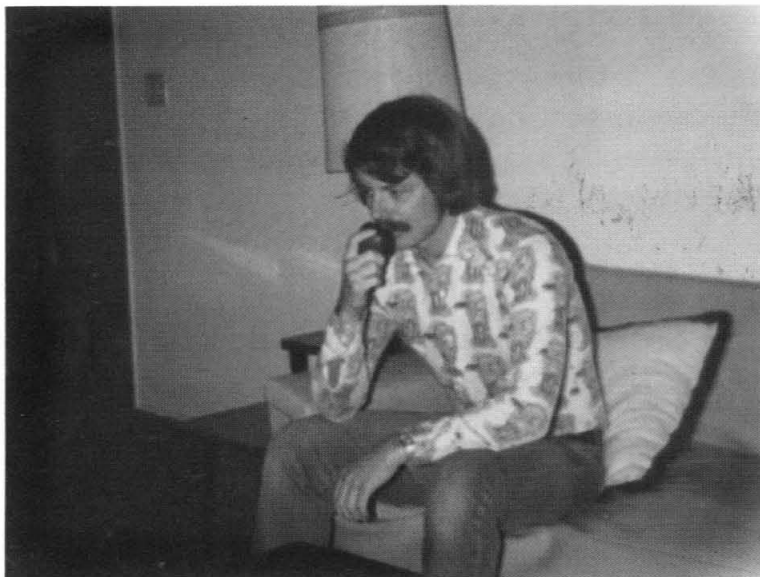
*Steven Wylie Mitchell
Mathematics
Jackson, Tennessee*



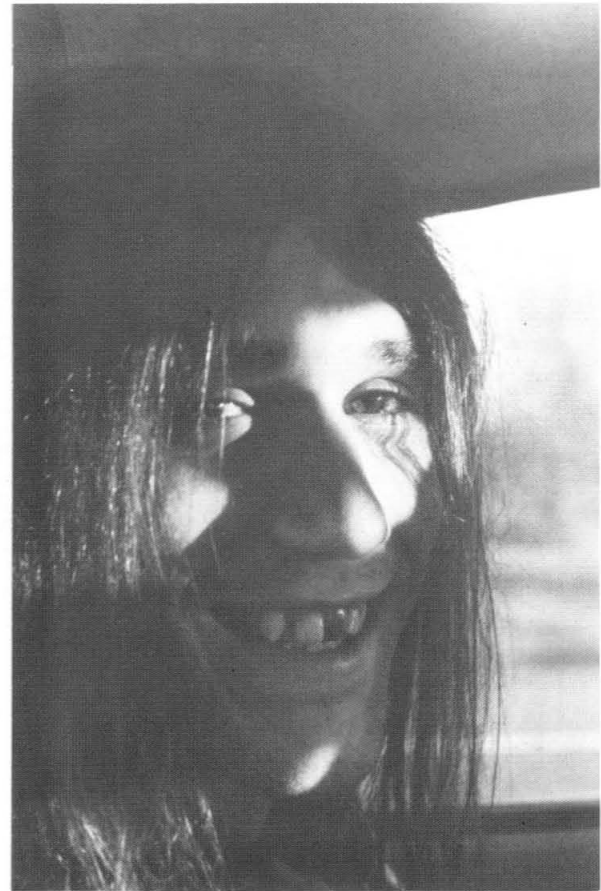
*Robert Alan Loveman
Physics
Rolling Hills Estates, California*



*Gerry Neugebauer
Professor of Physics*



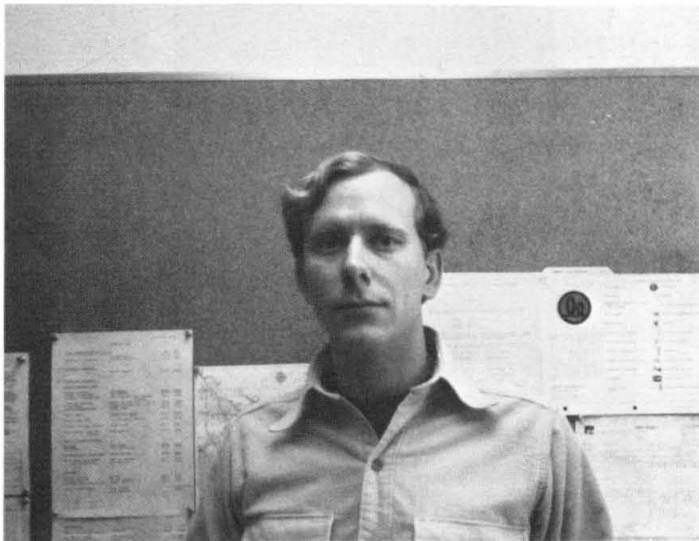
*Lynn Bruce Olson
Physics
Faulkton, South Dakota*



*Dennis Wayne New
Mathematics
Pasadena, California*



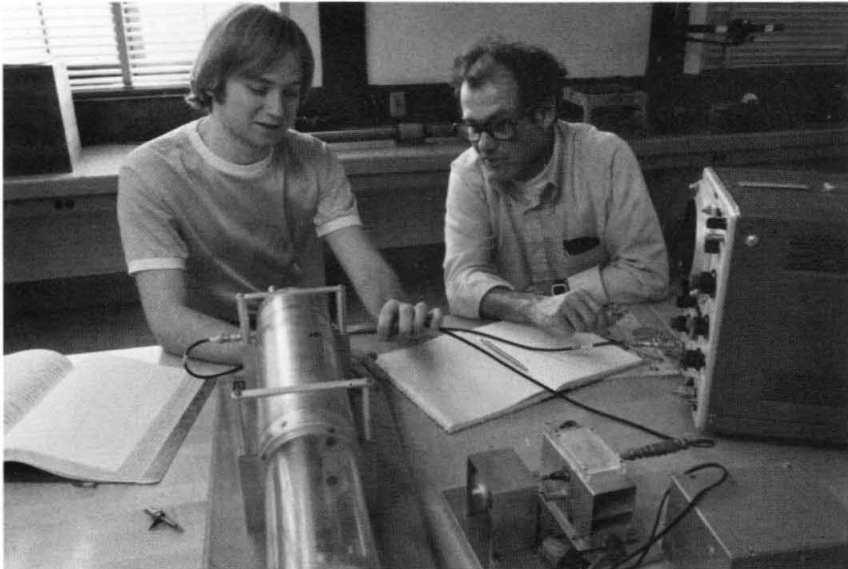
*Lawrence Charles Paulson
Mathematics
Drexel Hill, Pennsylvania*



*Jeffery Ross Pier
Physics
South Pasadena, California*



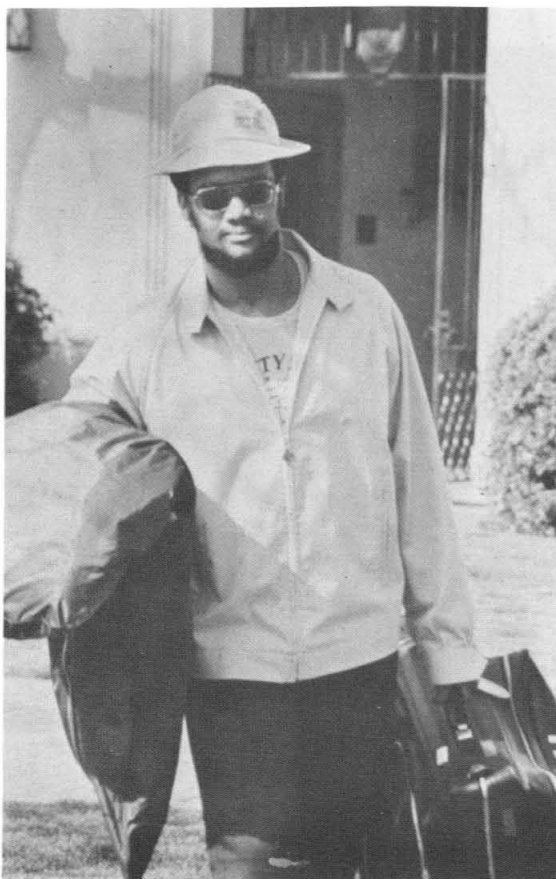
*Enrico Alberto Rodrigo
Physics
Carson, California*



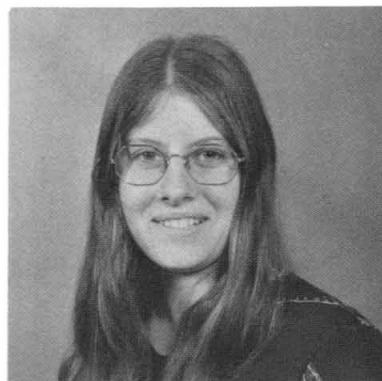
*Jerome Pine
Professor of Physics*

*Carlton Philip Pryor
Astronomy
Tiburon, California*

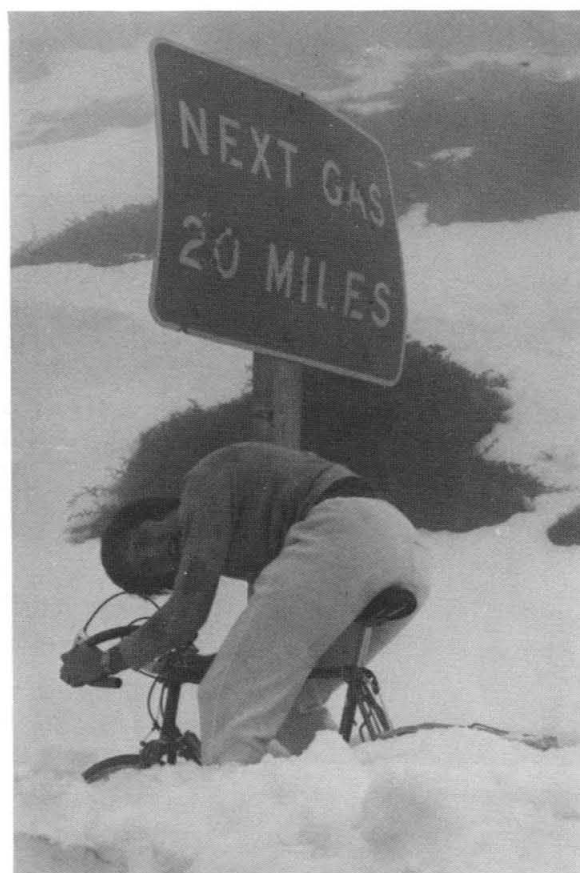




*Marc Alexander Sengstacke
Physics
Chicago, Illinois*



*Claudia Alison Spiro
Mathematics
Altadena, California*



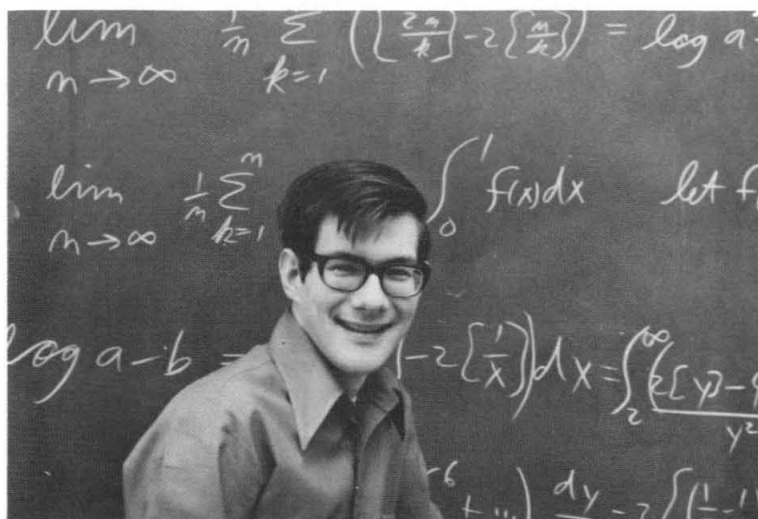
*Randall Philip Tagg
Physics
Dallas, Texas*



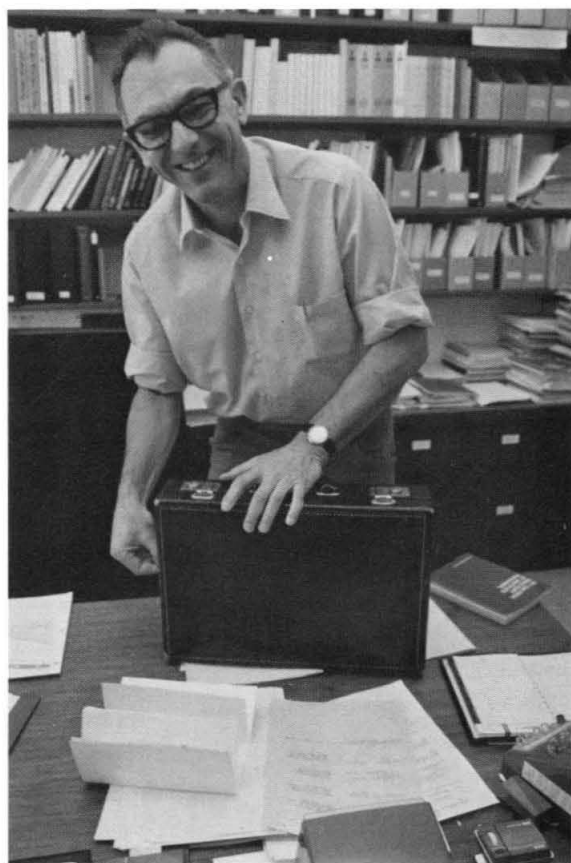
*Audrey Lee Seymour
Mathematics
Valley Forge, Pennsylvania*



*John and Olga Todd
Professors of Mathematics*



*Douglas Blaine Tyler
Mathematics
Fullerton, California*



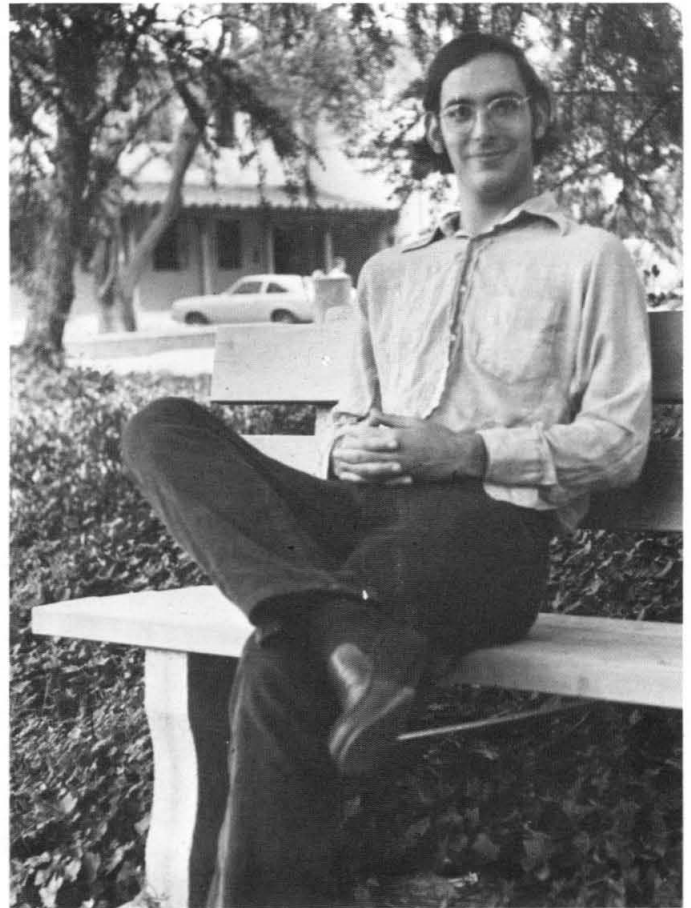
*Rochus E. Vogt
Professor of Physics*



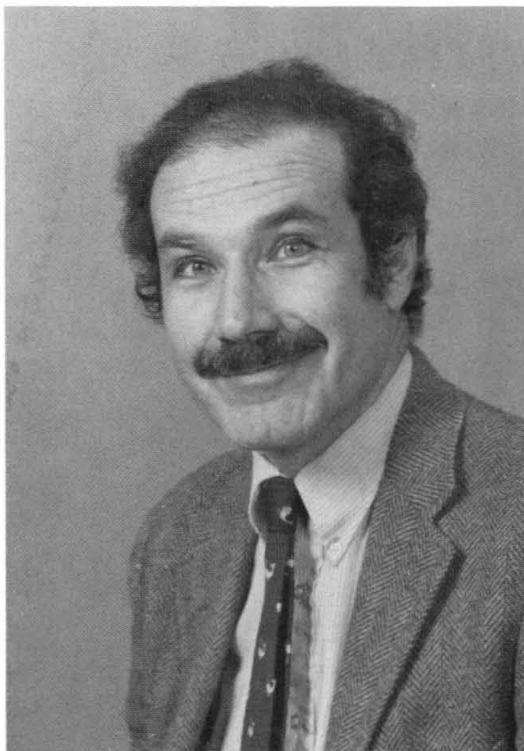
*Stephen Roy Walton
Astronomy
Jackson, New Jersey*



*J. Michael Wilson
Mathematics
San Luis Obispo, California*



*W. Hugh Woodin
Mathematics
Tucson, Arizona*

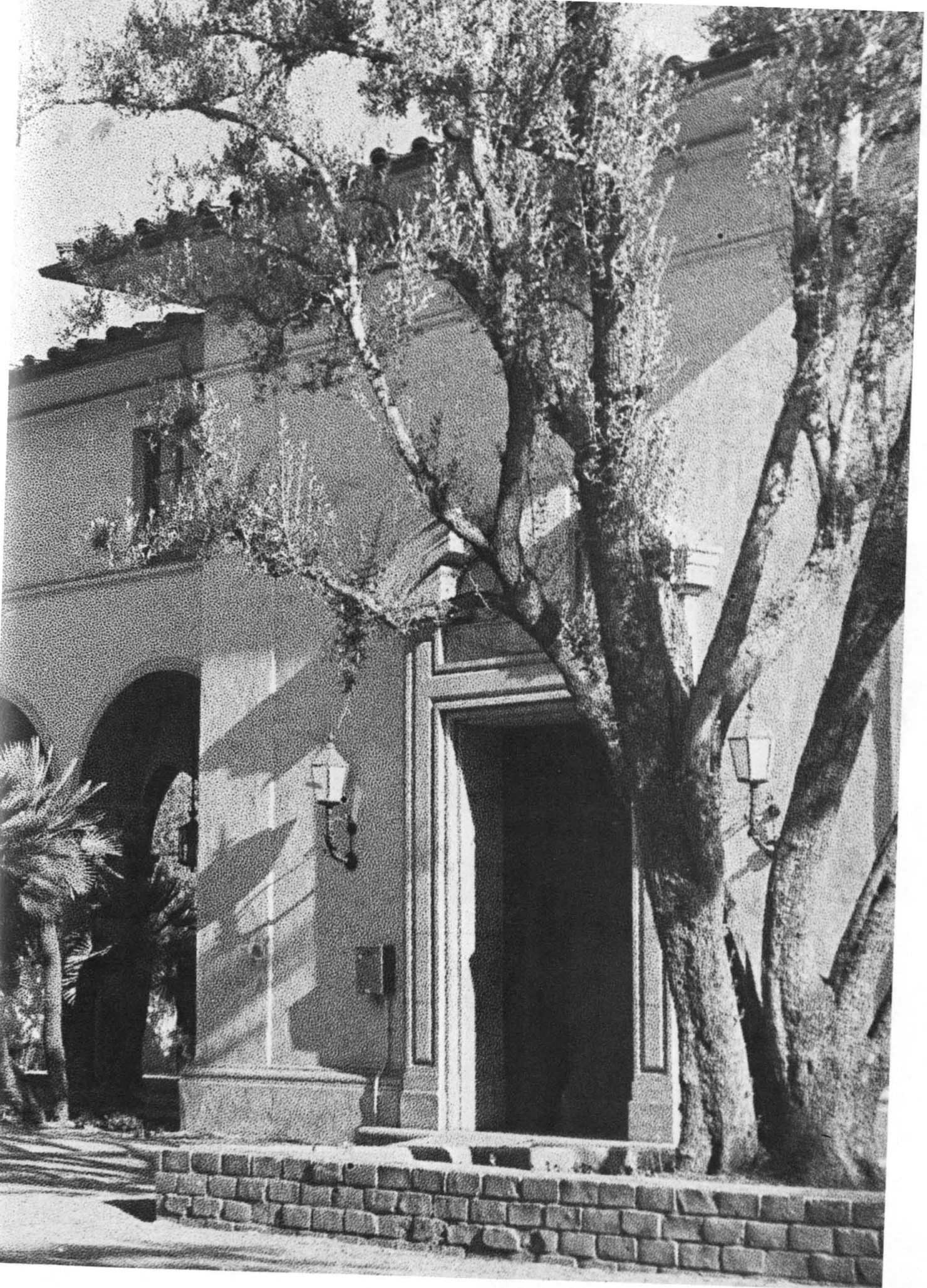


*Harold Zirin
Professor of Astrophysics*

SENIORS NOT PICTURED

- Gul Agha
Independent Studies Program
Karachi, Pakistan
- Charles Sem Bankert
Chemistry
Phoenix, Arizona
- Budak Ziya Barkan
Mathematics
Istanbul, Turkey
- John Juil Barnard
Astronomy
Sepulveda, California
- Thomas Allison Brown Beatty
Physics
Pittsburg, Pennsylvania
- David G. Beck
Applied Physics
Arlington, Texas
- Walter Jay Beckman
Engineering and Applied Science
Olympia, Washington
- Dennis Dale Bicker
Engineering and Applied Science
Arcadia, California
- David Elias Blum
Geophysics
Granada Hills, California
- Duane Karl Boman
Biology
Covina, California
- Douglas Evan Brandt
Mathematics
Columbia Heights, Minnesota
- Arthur Jun Buto
Astronomy
Laurel, Maryland
- Lauretta Irene Carroll
Engineering and Applied Science
Los Angeles, California
- King Long Chai
Physics/Engineering and Applied Science
Taipei, Taiwan
- Raymond Maihin Chowkwanyun
Mathematics
Bangkok, Thailand
- Talso Chung-Pang Chui
Physics
Hong Kong
- Louise Robin Corson
Mathematics
Caloga Park, California
- Alan S. Danziger
Applied Physics
Albuquerque, New Mexico
- Robertson Davies Davenport
Applied Mathematics
Ann Arbor, Michigan
- Arthur L. Davis
Engineering and Applied Science
Denver, Colorado
- Richard John Debus
Chemistry
Lemon Grove, California
- Bruce Allan Dunn
Engineering and Applied Science
Riverside, California
- Robert Kim Ellis
Engineering and Applied Science
Mount Kisco, New York
- John Martin Epperson
Economics
Anaheim, California
- Richard Blay Eshun
Applied Mathematics
Accra, Ghana
- Carl David Forgerson II
Physics/Engineering and Applied Science
Lakewood, Colorado
- David Lynn Gard
Biology
Portland, Oregon
- Shrikant Anand Garde
Engineering and Applied Science
Bombay, India
- Gregory Steven Gibson
Chemical Engineering
Los Angeles, California
- Randal Keith Goodall
Physics
Anchorage, Alaska
- Arthur Edward Gooding
Chemical Engineering
Lakewood, Colorado
- Christopher Colin Harcourt
History
Garden Grove, California
- Bruce Gordon Herring
Engineering and Applied Science
Clveland, Tennessee
- Bart Dean Hibbs
Engineering and Applied Science
Pasadena, California
- Kau-Kwok Frederick Ho
Biology
Hong Kong
- Pauline Li-Po Queck Hwang
Mathematics
Beltsville, Maryland
- Mike Iwaki
Engineering and Applied Science
Los Angeles, California
- Bart Jackson
Physics
Pittsford, New York
- Christopher Einner Jensen
Engineering and Applied Science/Economics
Salinas, California
- Allen Lewis Johnson
Chemistry
Everett, Washington
- Douglas Steven Jones
Engineering and Applied Science
Long Beach, California
- Kevin E. Jones
Physics
Rutland, Vermont
- Thomas Garrett Kennedy
Mathematics
Dallas, Texas
- Taras Kiceniuk, Jr.
Engineering and Applied Science
Altadena, California
- Robert Brix Kjelgaard
Mathematics
Binghamton, New York
- David Lee Klionsky
Biology
Sepulveda, California
- David Akio Kodama
Physics
Kahului, Hawaii
- Leslie Dean Kohn
Physics
San Mateo, California
- Kristen Marie Larson
Chemical Engineering
Gainesville, Florida
- Clinton Beauregard Lee
Engineering and Applied Science
Farmville, Virginia
- Thomas D. Little
Biology
Winterset, Iowa
- Felix Wayne Loya
Biology
El Paso, Texas
- Peter Sin-Yi Lu
Biology
South Pasadena, California
- Carl J. Lydick
Engineering and Applied Science
Jones Creek, Maryland
- Robert Sullivan Maier
Physics/Astronomy
Los Angeles, California
- John Christopher Manley
Mathematics/Engineering and Applied Science
East Northport, New York
- Merle McKenzie
History
Denver, Colorado
- Eric W. McKinlay
Engineering and Applied Science
Los Angeles, California
- Bruce Alan McLaughlin
Astronomy
Ridgecrest, California
- Roy Desmond Mead
Chemistry/Engineering and Applied Science
Seattle, Washington
- James Charles Moiseve
Chemistry
Salem, Oregon
- Lee George Mundy
Astronomy
El Toro, California
- Jo Ann Muramoto
Biology
Los Angeles, California
- Barry Nakazono
Engineering and Applied Science
Denver, Colorado
- Richard Michael Pietrasz
Applied Physics
North Reading, Massachusetts
- Stephen P. Pope
Mathematics
San Francisco, California
- Donald Andy Rasmussen
Engineering and Applied Science
Cheyenne, Wyoming
- Patrick T. Reardon
Engineering and Applied Science
Richland, Washington
- George Dennis Reyes
Engineering and Applied Science
Pacoima, California
- Robert Russell Ritchey
Engineering and Applied Science
Phoenix, Arizona
- Michael John Roberts
Engineering and Applied Science/Economics
Fresno, California
- Christopher Boyd Russell
Chemistry
Pullman, Washington
- Jon Russell Schmidt
Chemistry
Northridge, California
- Alfred Steven Sepulveda
Mathematics
San Antonio, Texas
- Paul D. Shubert
Applied Physics
Burbank, Illinois
- Christopher Kiser Smith
Mathematics
Greeley, Colorado
- Richard Alan Stall
Engineering and Applied Science
Metairie, Louisiana
- M. Carol Stevens
Applied Physics
Orlando, Florida
- Mark Alan Sturza
Applied Mathematics
Northridge, California
- Mark Nathanael Swanson
Chemistry
Kingston, Jamaica
- Paul William Tuinenga
Engineering and Applied Science
Boulder, Wyoming
- Michael K. Ullner
Engineering and Applied Science
Montreay Park, California
- Alfonso Vazquez-Cuervo
Engineering and Applied Science
Elkins, West Virginia
- Sally Allyn Weak
Chemistry
St. Louis, Missouri
- Chemistry
- Douglas G. Weber
Physics
Fairborn, Ohio
- Richard Mark Weinapple
Biology
Valley Stream, New York
- Lawrence Camest West
Applied Physics
Brea, California
- Gregory Thomas White
Mathematics
Los Angeles, California
- Erna Wei Wong
Biology
Irvine, California
- Glenn Douglas Wood
Engineering and Applied Science
Paradise, California





Student Houses

BLACKER HOUSE



The year started as usual with an influx of eager freshmen, all set to troll their asses off in the "quiet house". The first week after rotation, the frosh discovered Tunnel House.

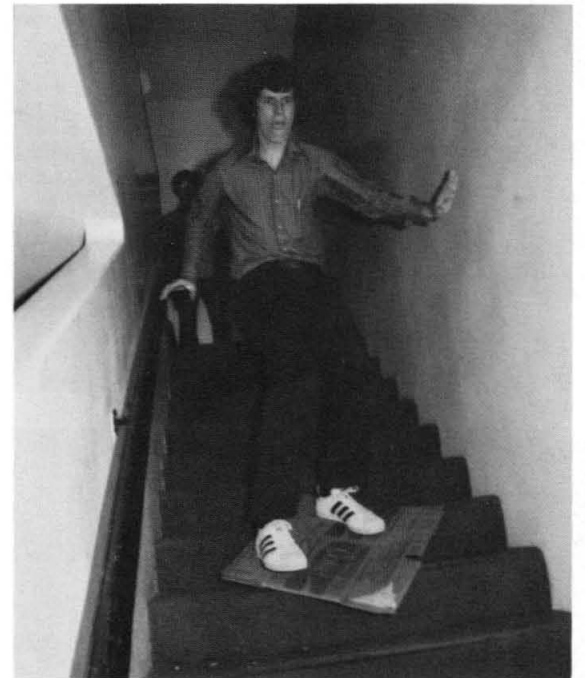
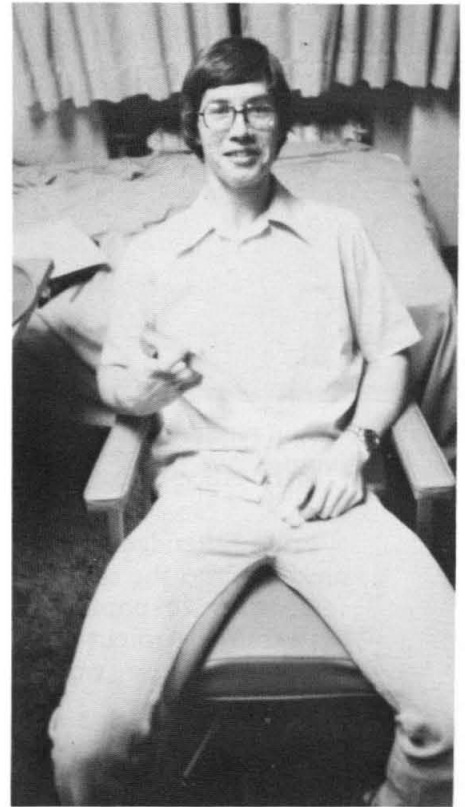


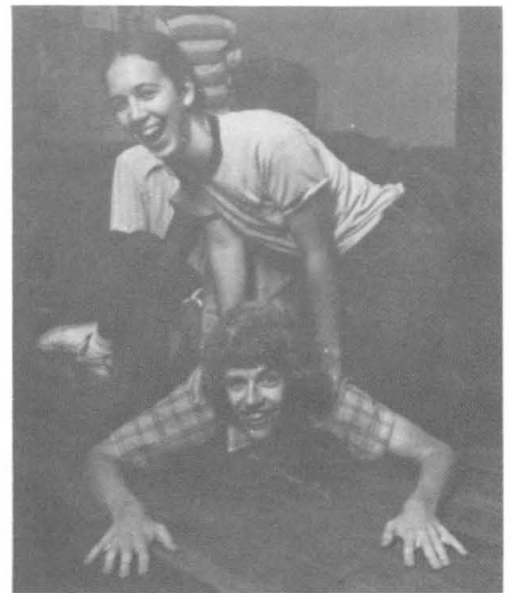
"How could Harold Brown leave a place like this behind?"





The Sophomores overpowered the Freshmen in the annual Lounge Run, with some miniscule help from the Juniors and Seniors. It was all over in a few hours.





Mary Alice discovered how to unlock her door.

Eric Etheridge and Martin Jakub got suckered into the six man lift.

Contrary to popular belief, Sang was too busy studying to cut throats.

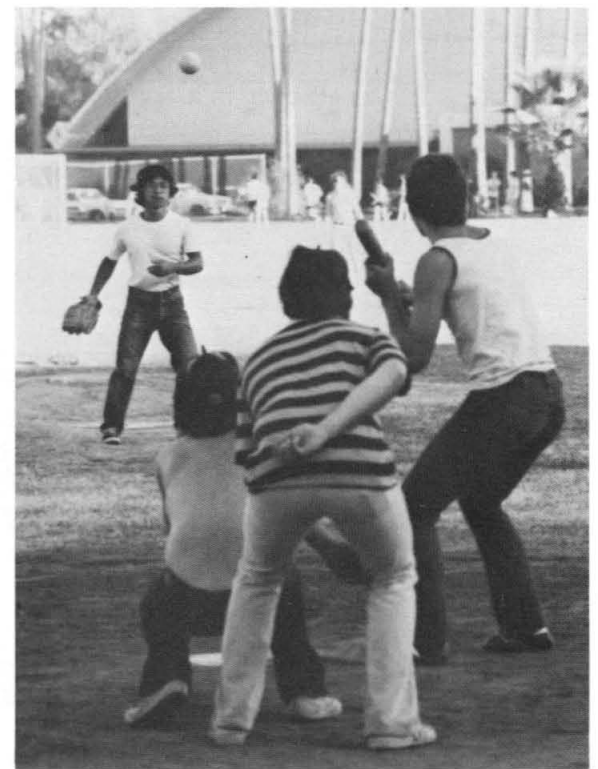
Blacker House won a softball game in Interhouse Sports.

The Posh Dinner Party was held at the Pasadena Hilton.

Dan Whelan reintroduced goldfish at dinner.

Jules Feiffer did some after dinner artwork in Tunnel Alley.

Blacker House waiters Bill Behen, Mike Steigerwald, Erling Wold, *et al*, quit early in the term. They were replaced by the inexperienced quintet of Jack Kohn, Sangtae Kim, Pat Bornmann, John Uhl and Larry Doolittle. Mike Higashi and Sai Wai Fu later took the places of Sang and John. Despite the relatively low incidence of food poisoning and the efforts of Jack Kohn and Greg Galvin, Saga eventually drove record numbers off board contract.





The Black Hand made his appearance and proceeded to terrorize the Frosh. After several abductions the Frosh formed the Green Foot gang.



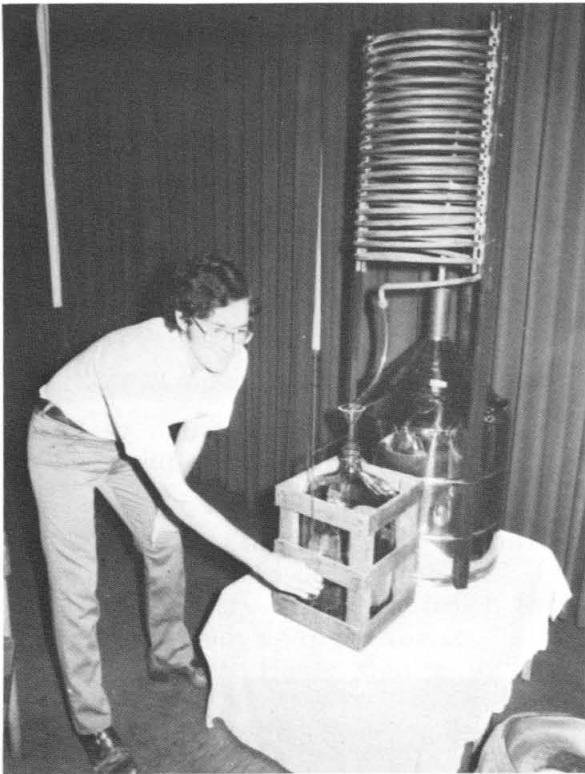
An inspection of Frosh feet by the Black Hand put a quick end to that nonsense.



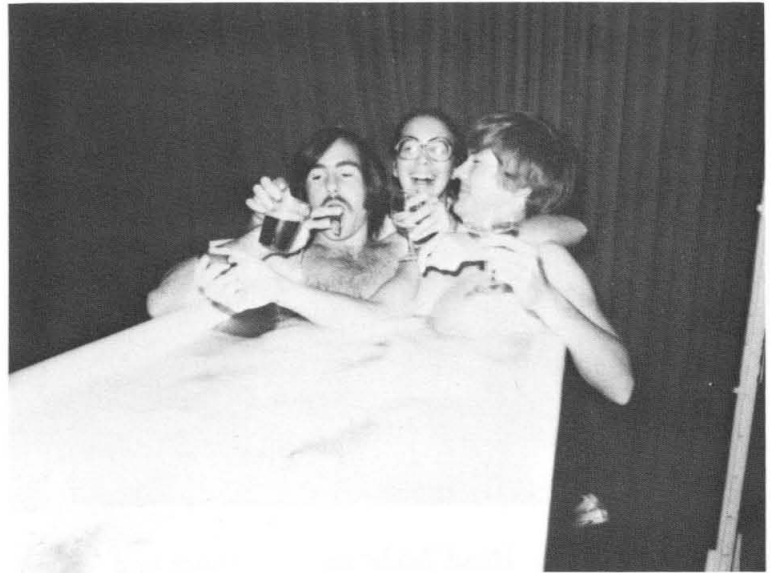
Interhouse came along. With a day left, Blacker finally started to put things together. A speak-easy was built in record time. The usual casino equipment was smuggled in from somewhere. As expected, the speakeasy was invaded by gangsters. It looked like innocent people were going to get killed. Fortunately, no one in the room was innocent. Initially we had trouble convincing some girls to volunteer their services for the tub. In the end, they were fighting for tubtime. (They found out about the *Big T*) [Note: *By the time Blacker House reads this far, I will be dead.*]

Midterms came somewhere in there, then finals. We lost Frank Lamelas. Jim Gerdes was almost lost.

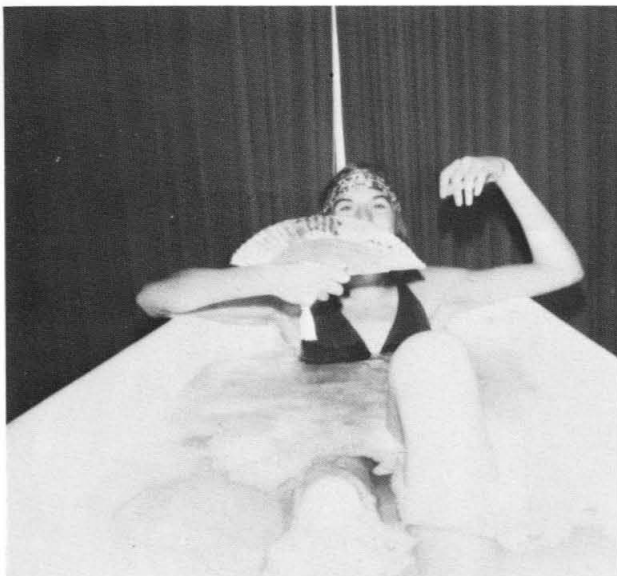




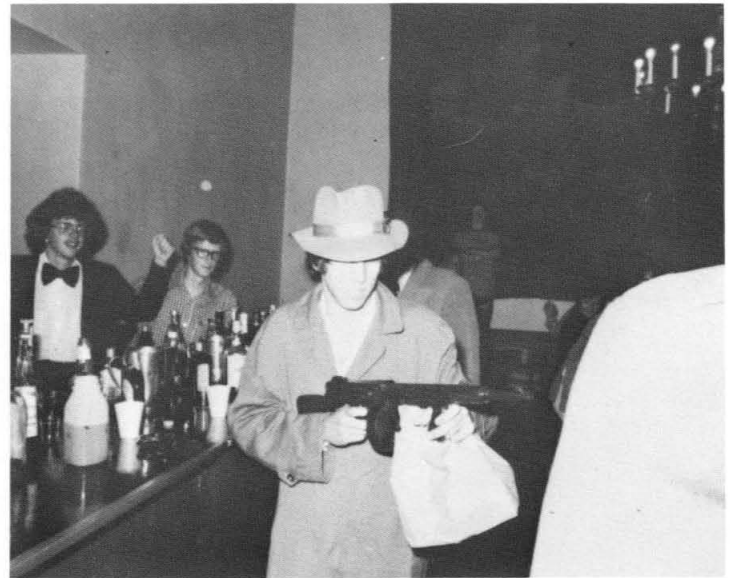
Still crazy after all these years!



The alley that bathes together.



A model of clean living.



Kistler's Gang

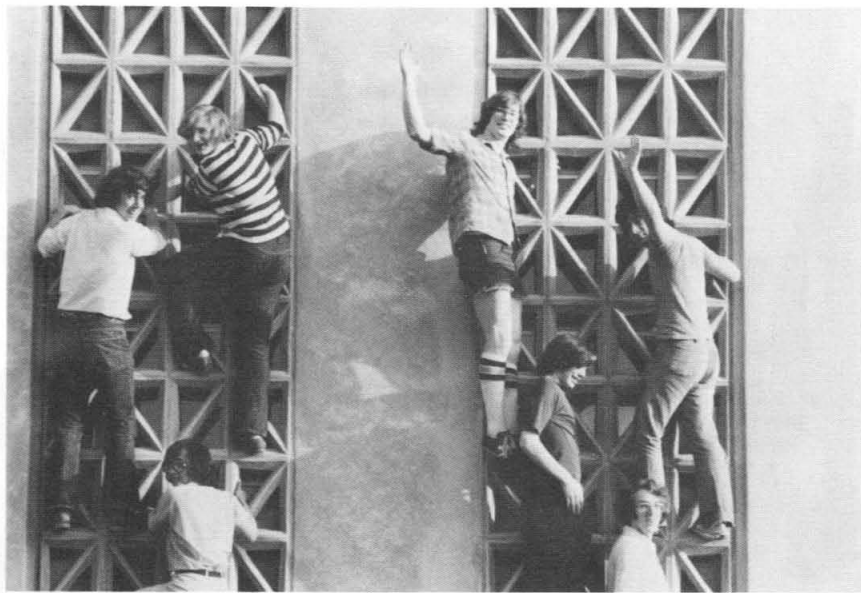
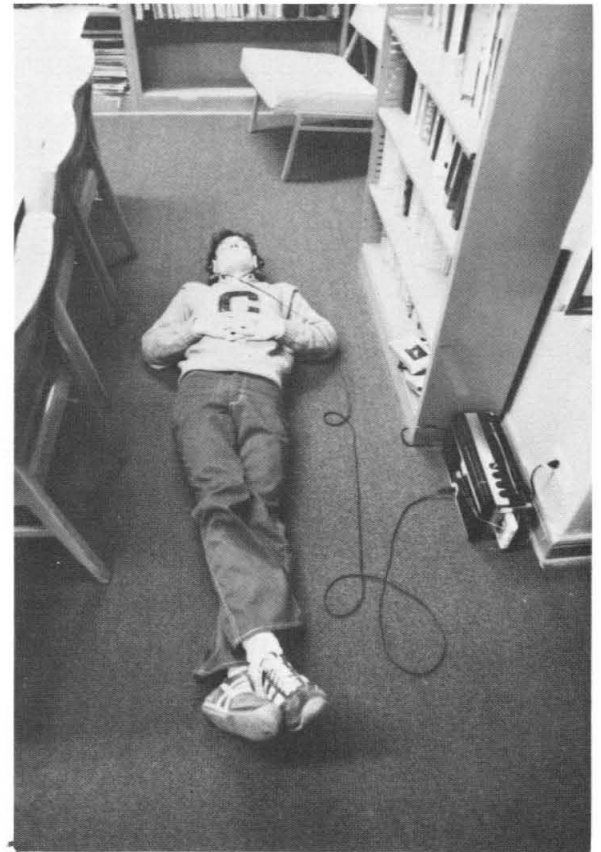
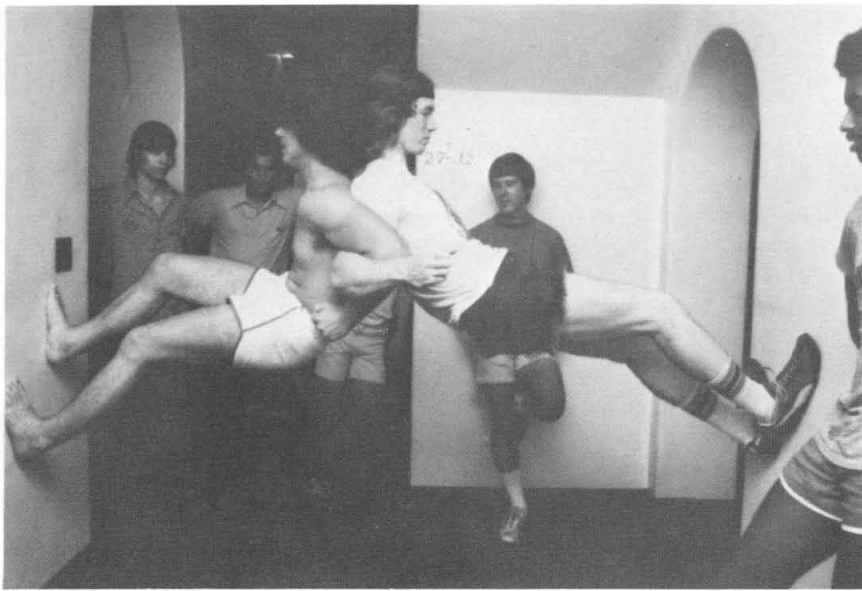




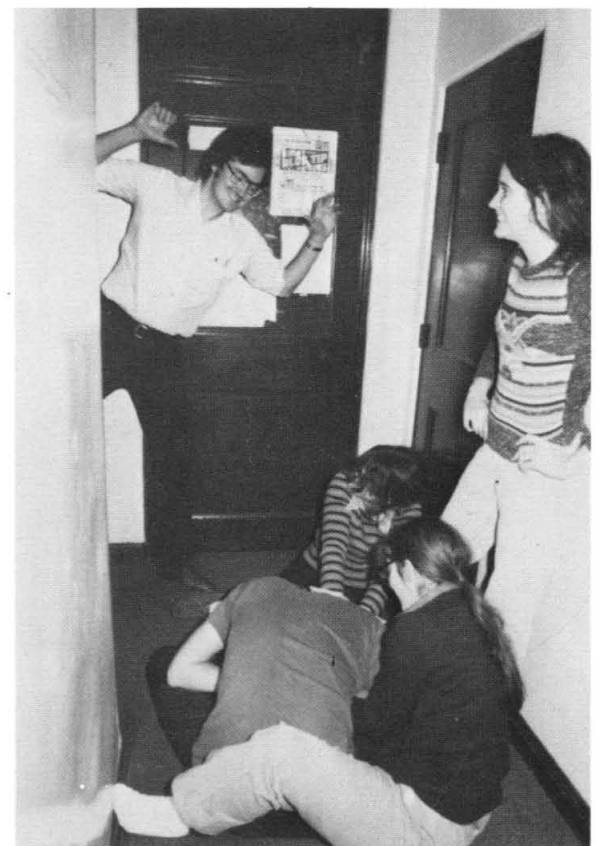
With so many Frosh returning after Christmas, it was obvious that the upper-classmen had failed. Somehow the Black Hand disappeared from the scene. He was not seen until third term (but more about that later).

Blacker maintained a perfect record in Interhouse Sports second term. Most of the activities of second term CENTRED around the NEIGHBOURHOOD of the R.A.'s. These parties sometimes degenerated into pillow fights.





House Officers; left to right: Dan Whelan, Sangtae Kim, Bill Schmidke, Scott Reynolds, Jack Kohn, Mike Klein, Mike Kurilla.



Second term brought the annual elections. Jack Kohn replaced Dave Forgeron as President of Blacker House. Mike Kurilla became Vice-President, replacing Bob Forgey, Mike Klein won Matt Crawford's old office of Treasurer. Sandy Sigmund replaced Larry Doolittle as Secretary. The team of Dan Whelan, Sangtae Kim and Pat Finan upset No for the Social Chair 73-0. Scott Reynolds and Larry Doolittle became Athletic Managers also by beating No. Discouraged, No flamed out and returned to Hong Kong. The fiercest battle was over the office of Librarian. (The competition for room choice was stiff.) Pat Bornmann beat out Albert Nichols, Sai Wai Fu, Kristin Schleich and Steve Smith for the position. David Shenton became a B.O.C. rep-at-large. Veit Elser remained Blacker House B.O.C. Rep until a third term special election when he was replaced by Bill Schmidke.

Dick started the Ackermann Lectures On Anything Random. Trabert skipped every lecture. The rest of Blacker was rewarded for their attendance with indigestion. The lecture series was soon discontinued when Dick saw a connection between the lectures and the shower.

Scott Reynolds said, "Infinitely B——ing" at dinner in a successful attempt to get himself ponded.

Dave Shenton officially became a cut-throat by virtue of his A+ in AMa 95 and stopped playing his Star Trek tapes.

Mike Saari was on top of the badminton ladder when it broke down.

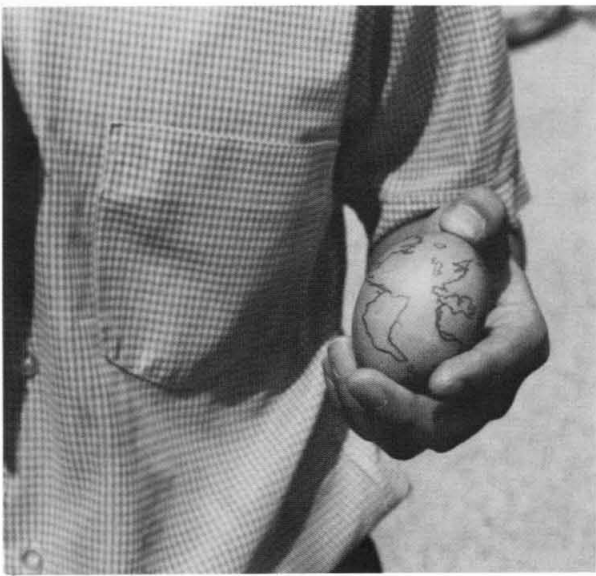
Steve Smith discovered the correct way of playing chess.

Larry Doolittle dropped his Math option and Brian Freeman dropped his AMa option.

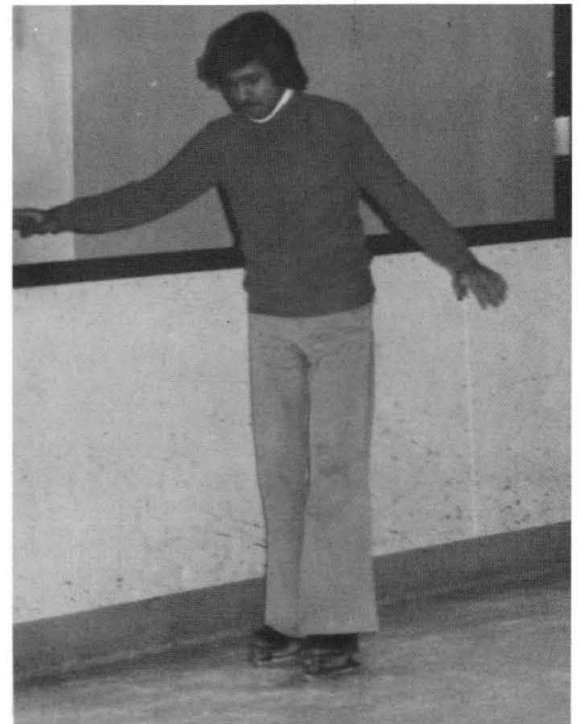
Dan Whelan moved into Kremlin and the Alley GPA went from 4.0 to 3.0.

There was an exodus from Tunnel and East Blacker; the frosh played musical rooms to avoid Tunnel.



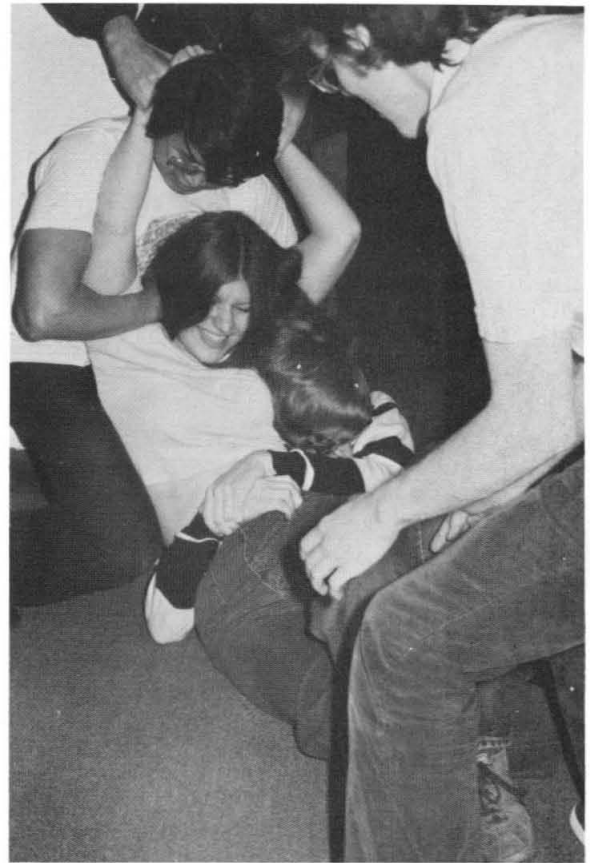


Dan Whelan did his best to exhaust the social budget, getting a good start second term and packing third term with events. Parties included the Blacker Party, the Blacker-Dabney-Ricketts Party, and a beach party. As a result of second term popularity, two ice-skating outings were arranged with the usual cap-stealing and frisbee games and music provided by Matt Crawford. Blacker took third in the Inter-house cooking competition. Among the traditional highlights: Easter Egg and Matzoh Hunt, Bake Off, Wine Tasting and Fondue, and a hastily organized but nevertheless successful Associates Tea.

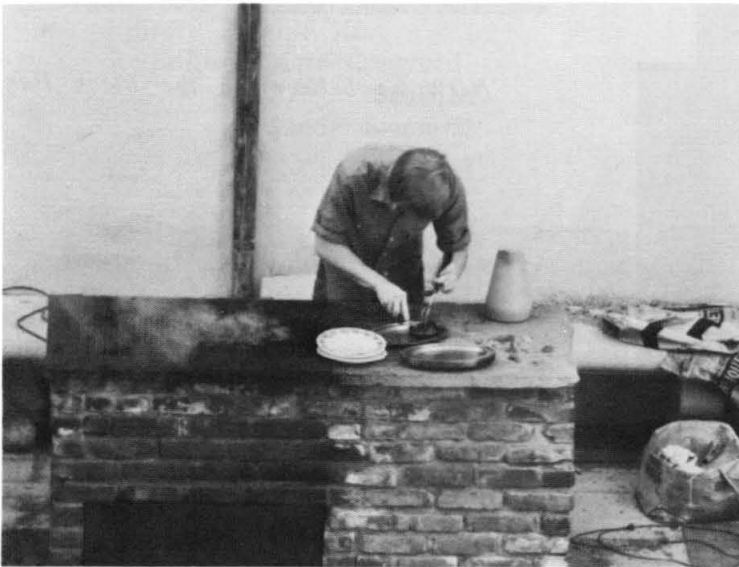




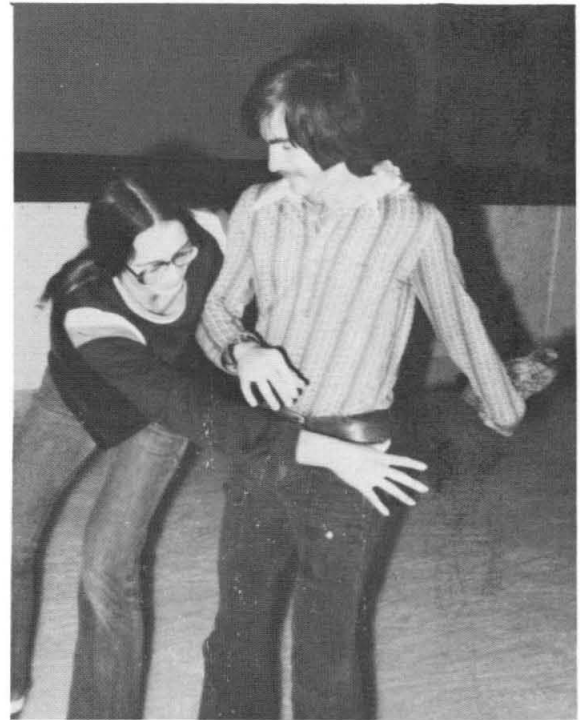
The pope came out with a belated purity test. High scorers were Steve Smith, Jeff Fier, and Albert Nichols.



Happiness is a ...



Slaving over a hot stove.



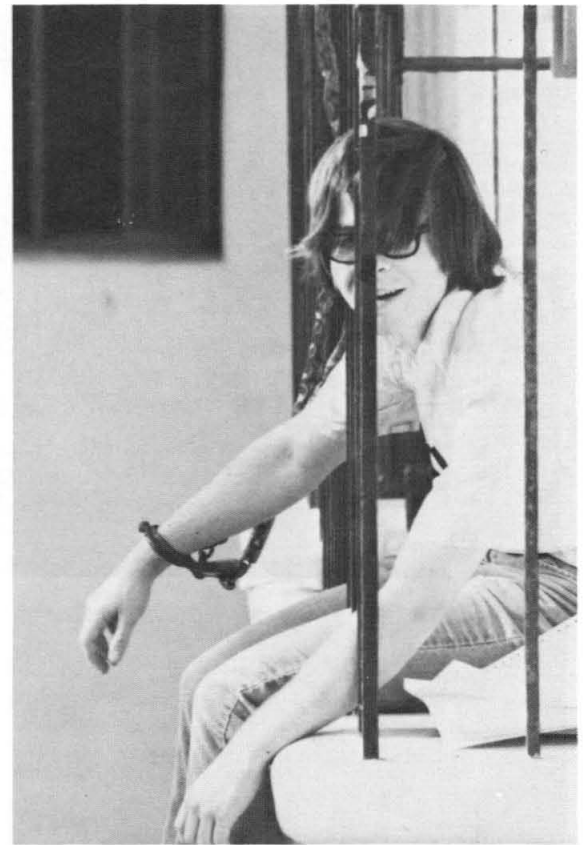
"Keep your hands off my...cap!"



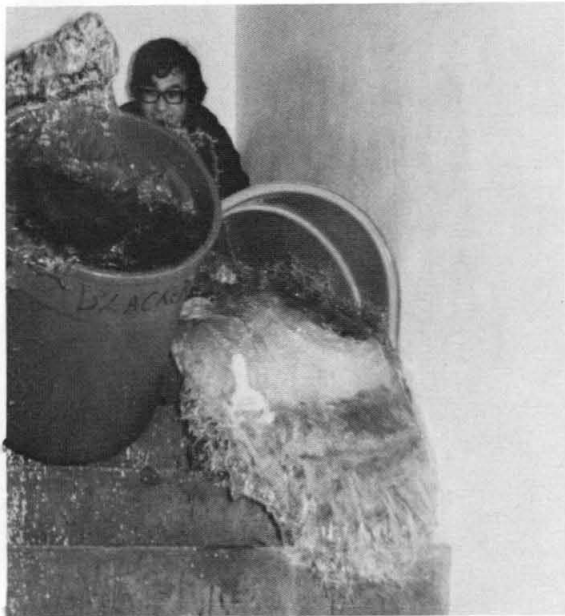
scraping Bottom



Juniors; left to right: Man Chung Mak, Erik DeBenedictis, Diane Wunderlich.



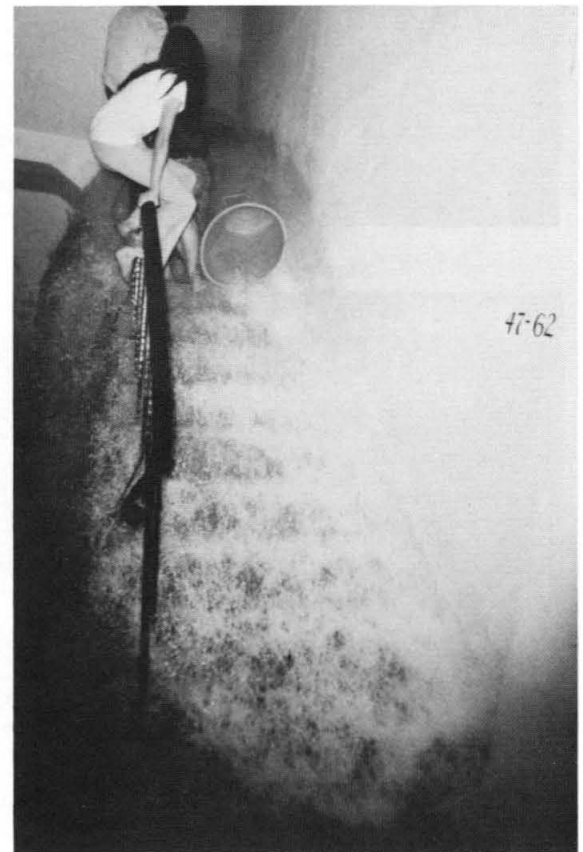
NOW he believes in the Black Hand!



"Invader die!"



Hell Alley waterfall following the Orange War triumph.



47-62

Ditch Day came Tomorrow as usual. The rules were bent slightly in entering some of the rooms. The *California Tech* noted the apathy of Ditch Day in Blacker but used a photo from Blacker on the front page. Saari set up his stack so that the room couldn't be opened until all his bribe was consumed. Forgey hid his key behind the bulletin board on his door but no one found it. A cherry picker was used to enter Callaway's room. Crawford's clues were so obscure, we had to find another way of getting in the room. Larry West was introduced to a nice tree on the Olive Walk and soon the two became inseparable. E. J. List, T. Apostol *et al* became weekly guests of the Drinking Society.

Dave Shenton aced out Sangtae Kim to become Robert Roe Blacker Professor of AMa 95 for 1977-78.

The year ended with many happy memories of the past year, abundant plans and hopes for the future and no provision made for a Blacker *Big T* editor.

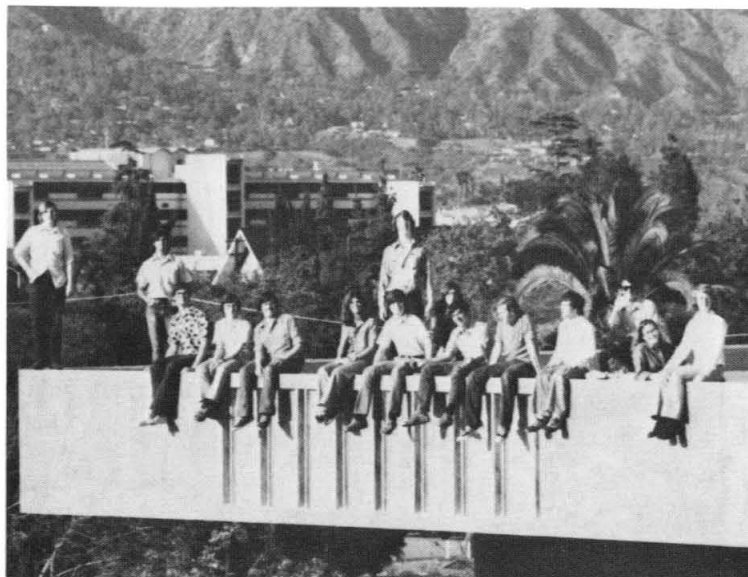
Intended Editor: Lee Mundy

Editor: Sangtae Kim

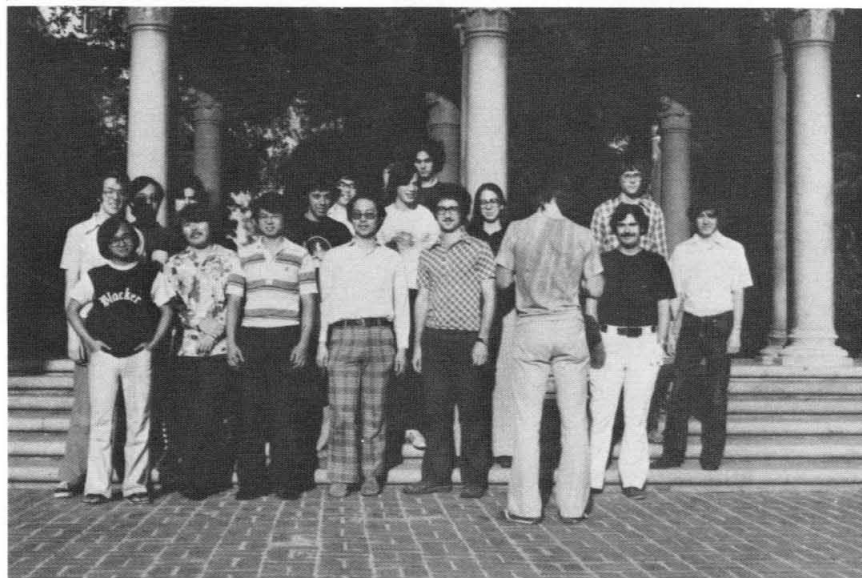
Re-Editors: Matt Crawford

Kristin Schleich

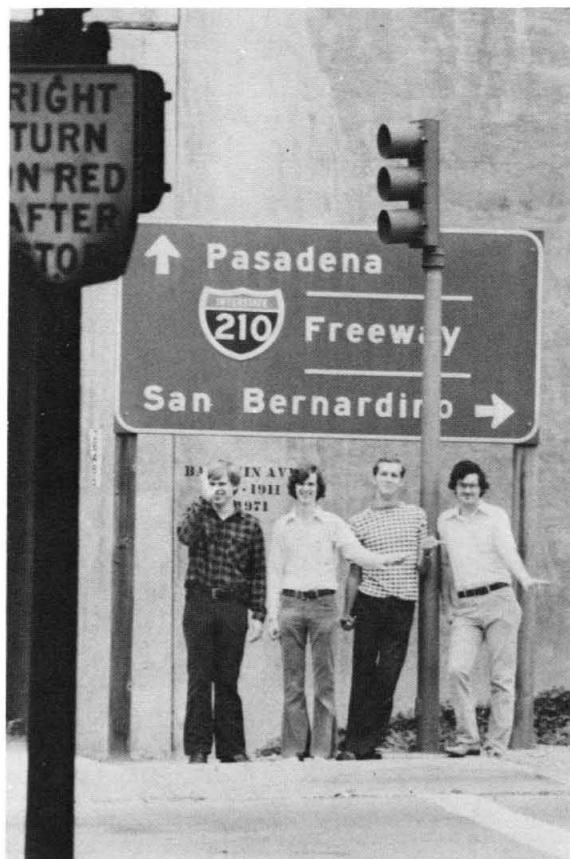
Sandy Sigmund



Freshmen; Standing: Bill Schmidke, Eric Saund, Earl Herleikson. **Sitting:** Stephen Smith, Paul Belmont, Dan Grutzmacher, Vicki Edwards, Eric Etheridge, Sandy Sigmund, Jon Uhl, Tim Jelinsky, Martin Jakob, Albert Nichols, Mary Alice Wuerz, Johanan Codona.



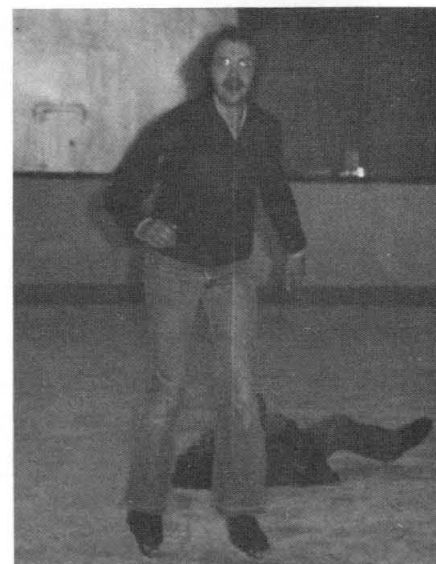
Sophomres; First Row: Sangtae Kim, Dean Uehara, Sai Wai Fu, Dave Wang, Tadd Hogg, Scott Reynolds, Jeff Fier. **Second Row:** Mike Klein, Mike Higashi, Mike Kurilla, Dan Whelan, Jack Kohn, Pat Bornmann, Steve Jackson. **Third Row:** Ralyh Ong, Rex Golding, Max Smith.



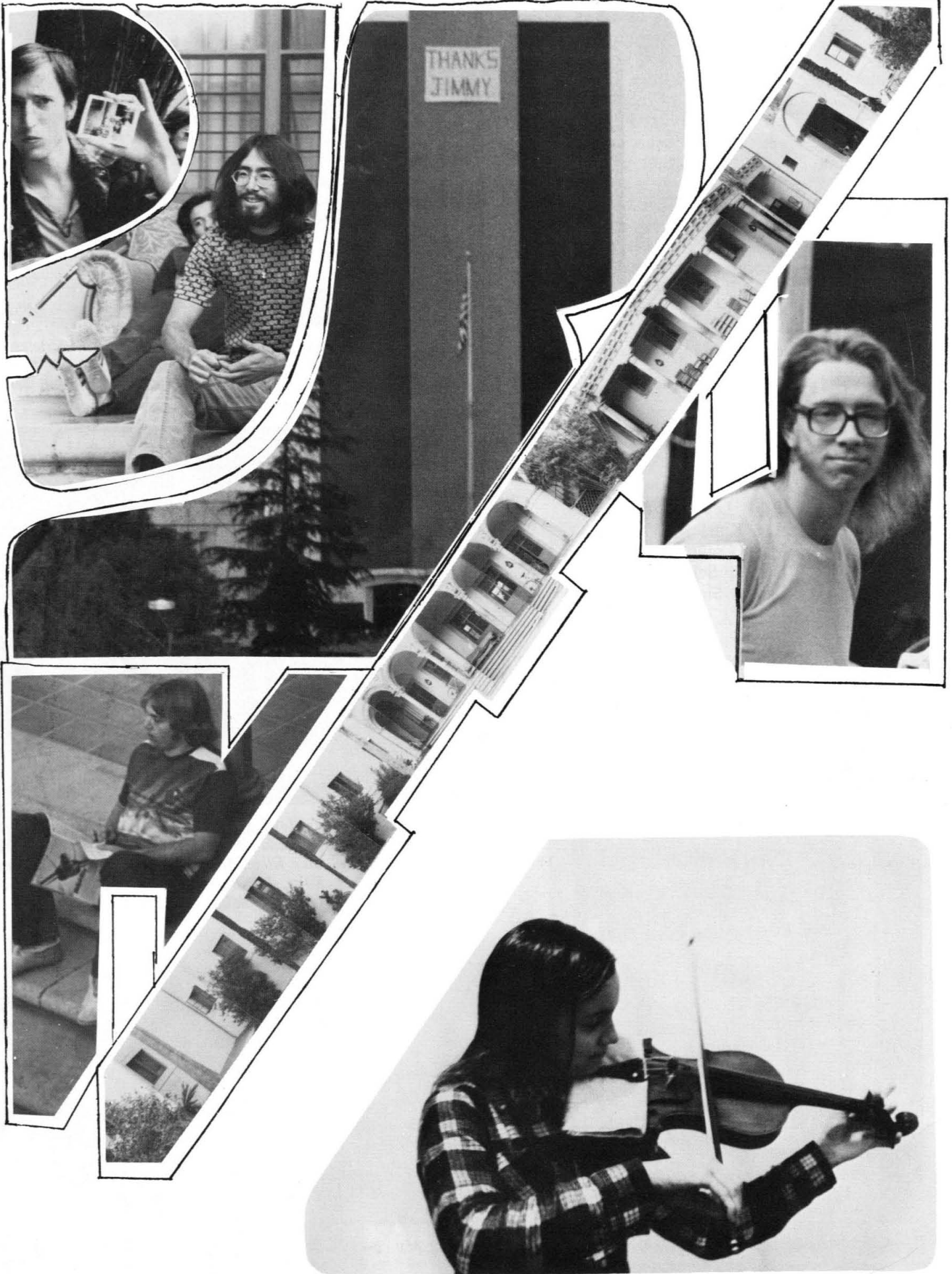
Seniors; left to right: Dave Callaway, Mike Saari, Paul Tuinenga, Dave Forgeron.

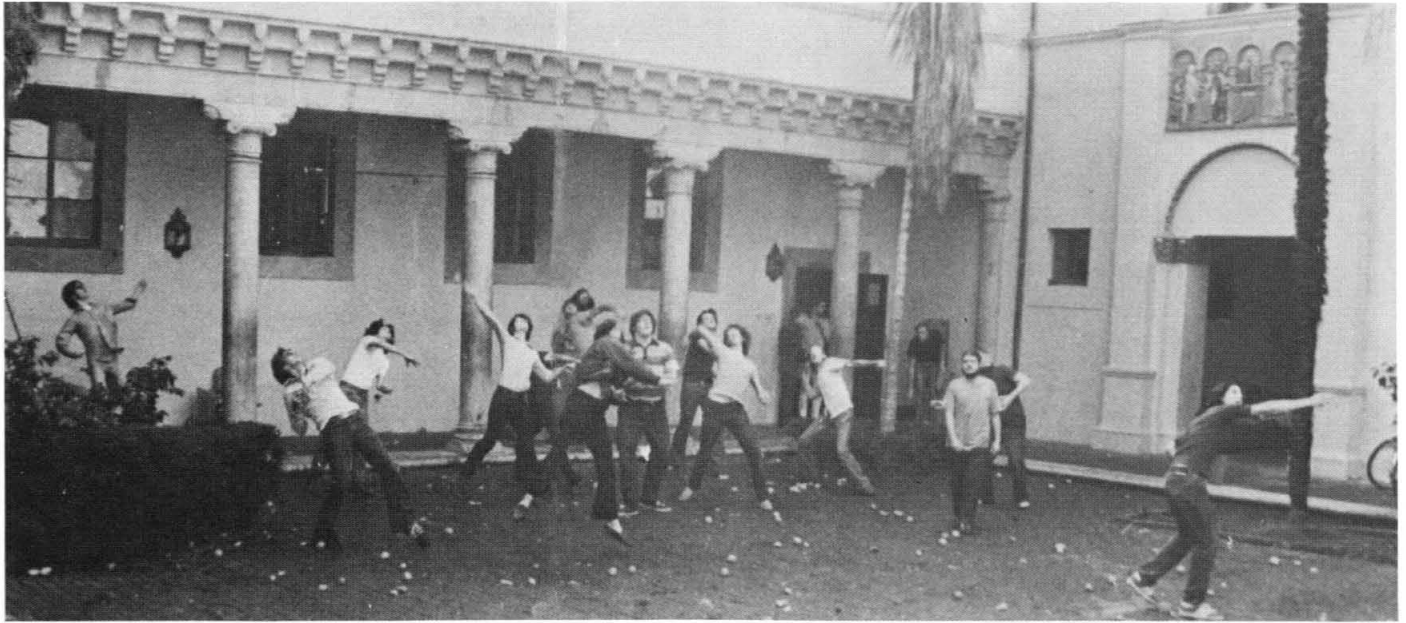


"Ouch! My b-er-back!"

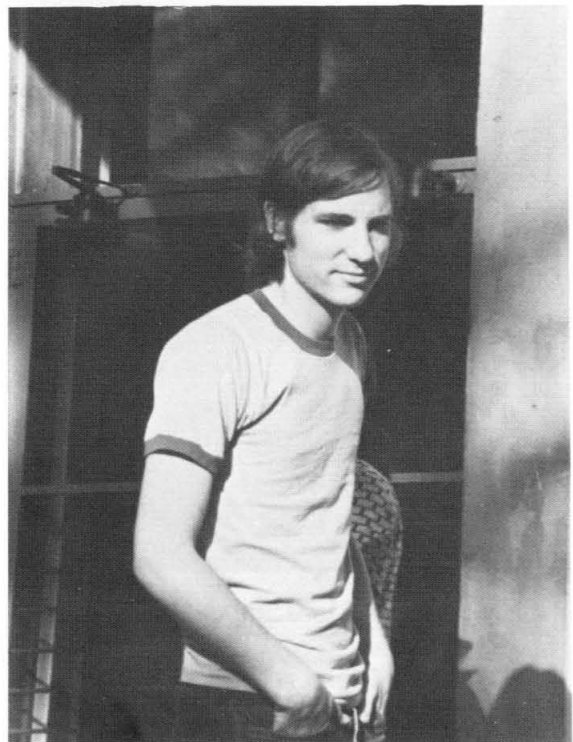
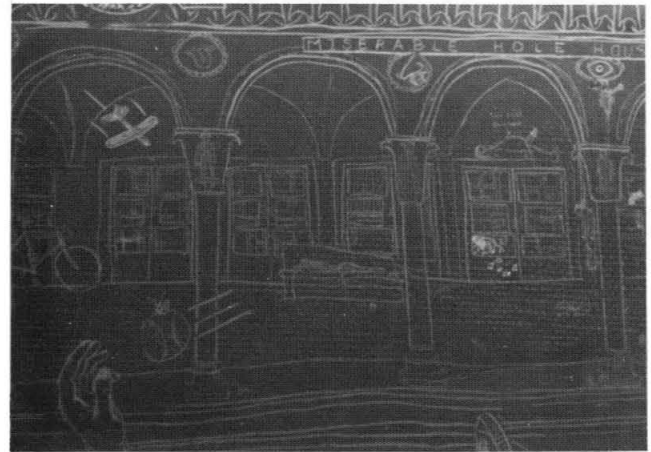


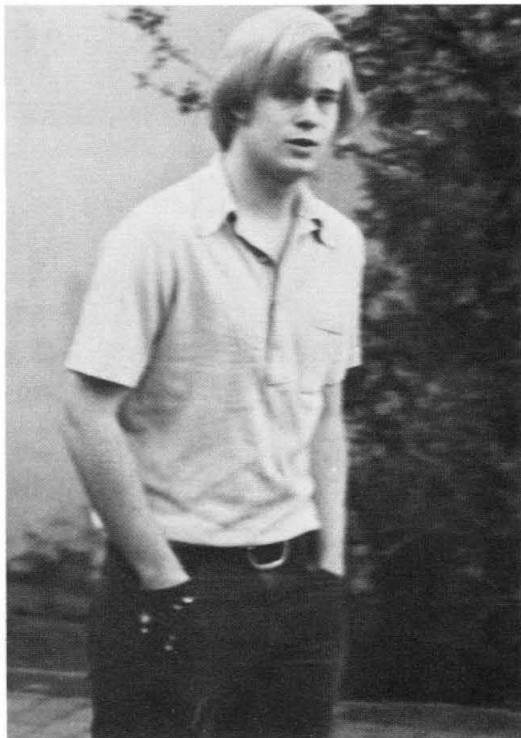
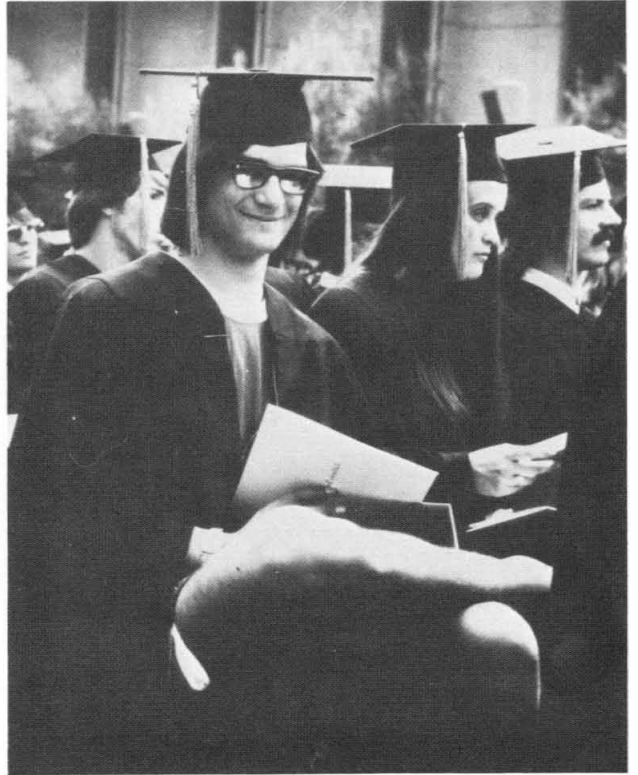
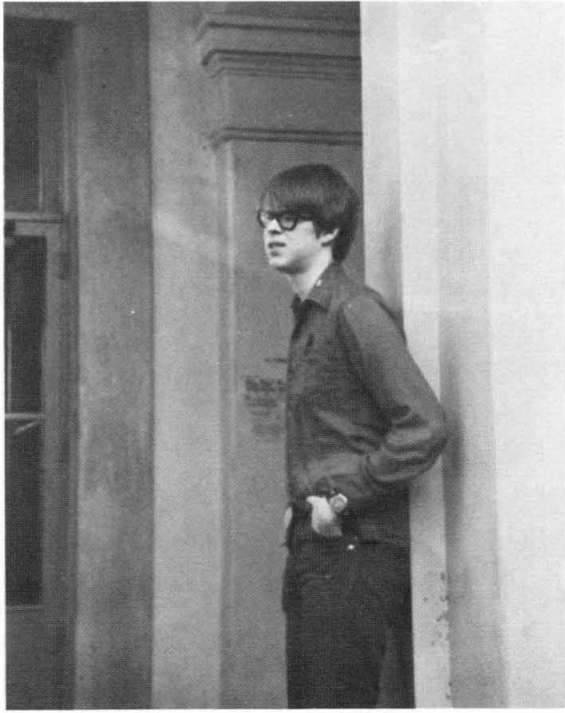
What?





Orange you glad it's over?



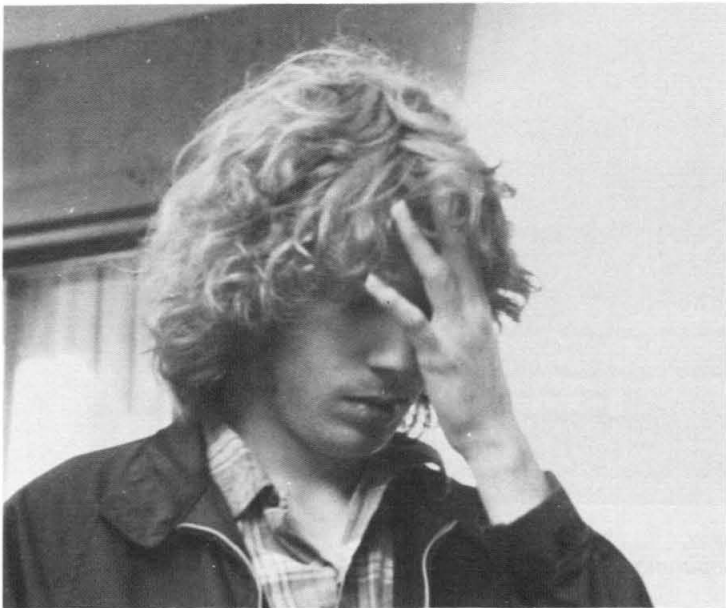


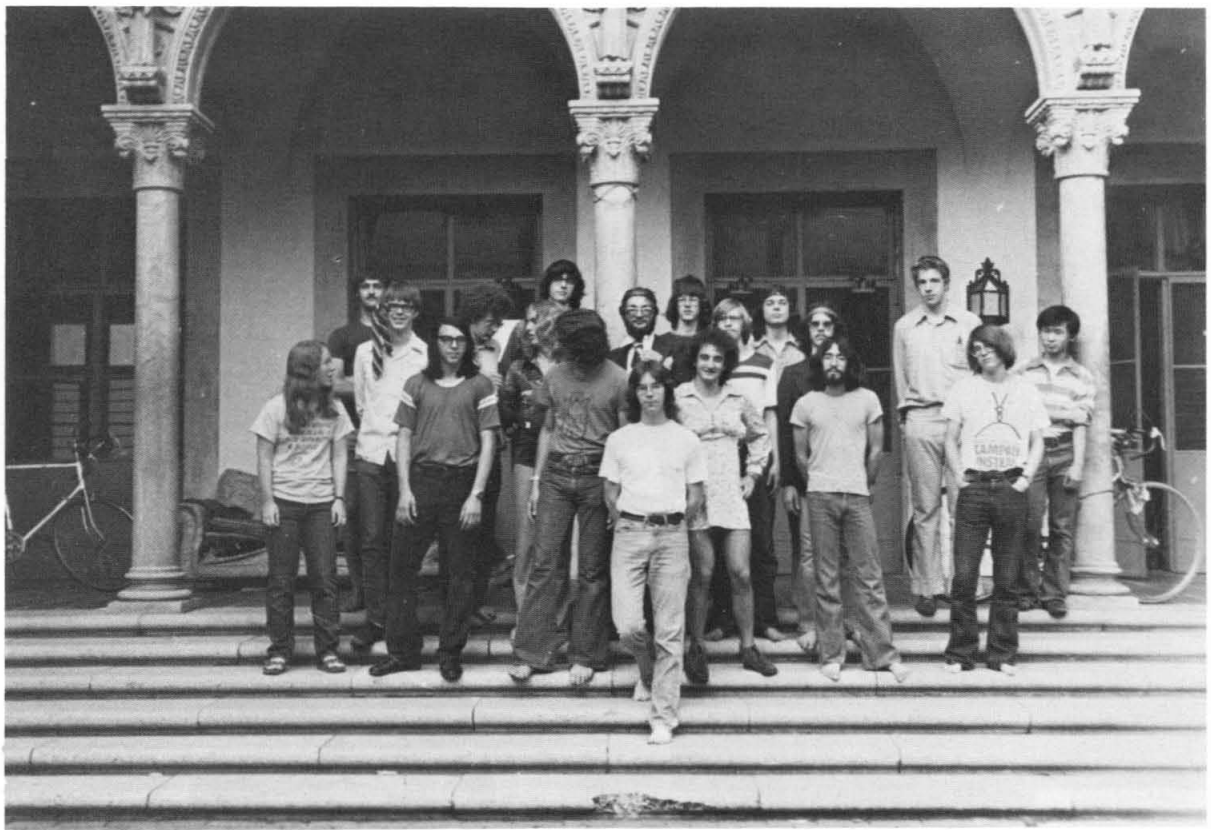
expanded students...

Would you buy a used Wonder Wong from this man?



Dee Ee Ai





Freshmen



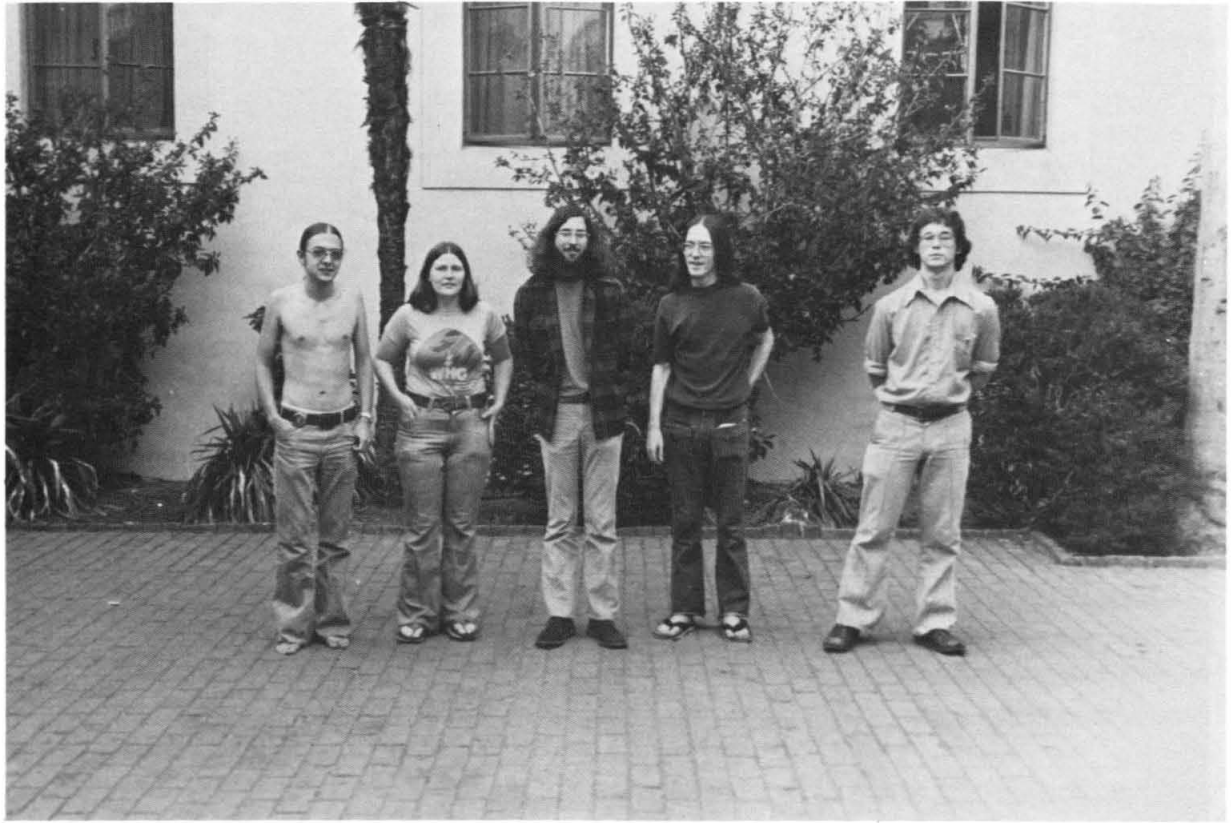
Sophomores



Juniors



Seniors



Super Seniors



In a Stupor, Super Super Seniors



forty seven, count 'em, forty seven geeks a gawkin'...



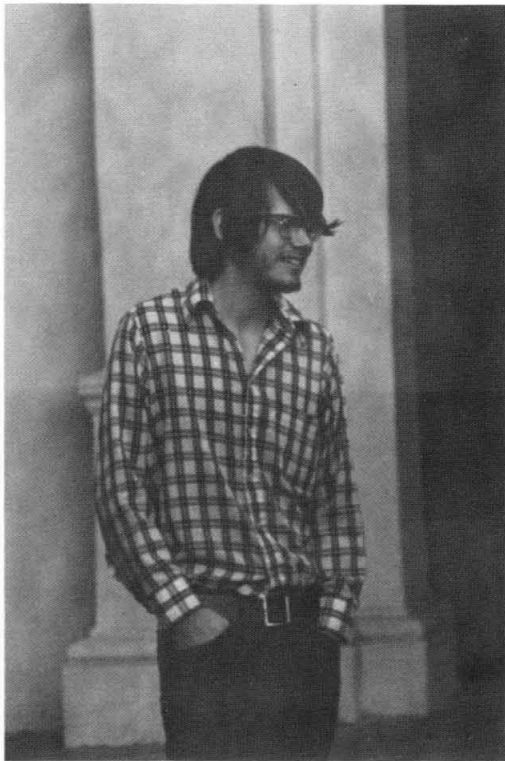
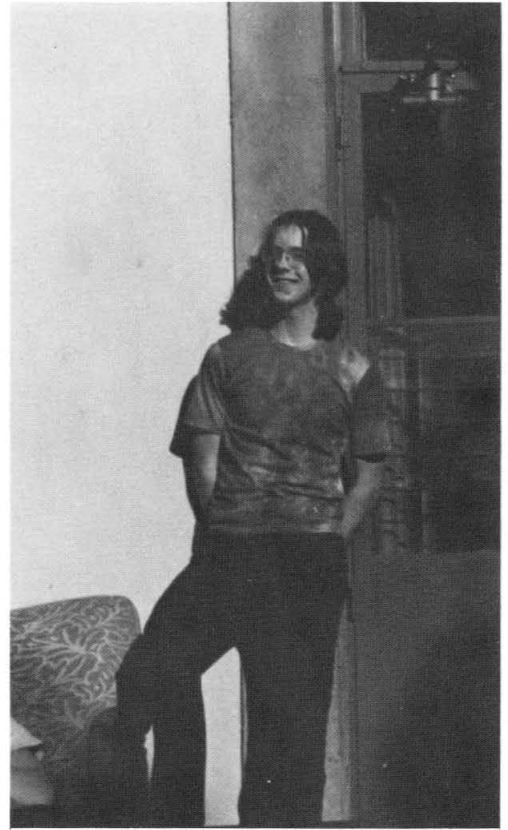
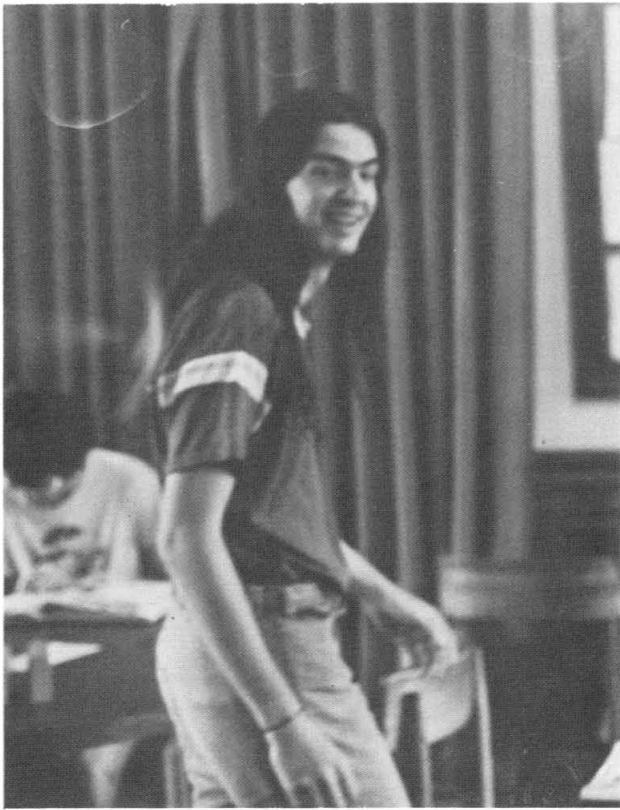
Dabney women



This is serious? No, but just wait!

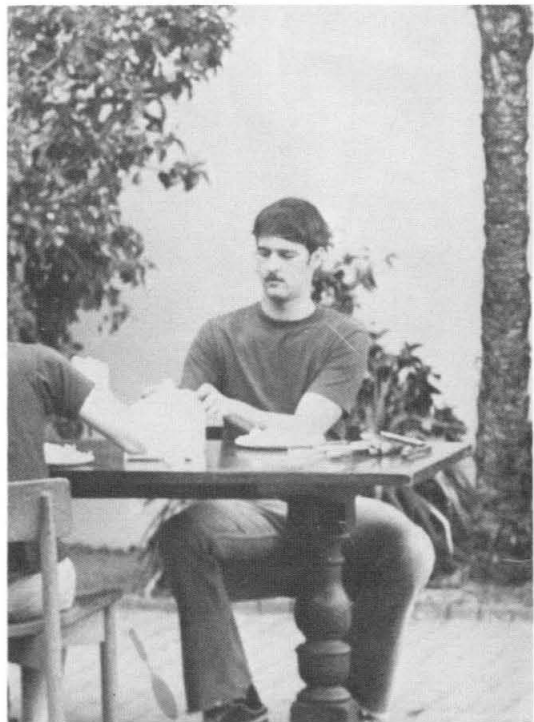
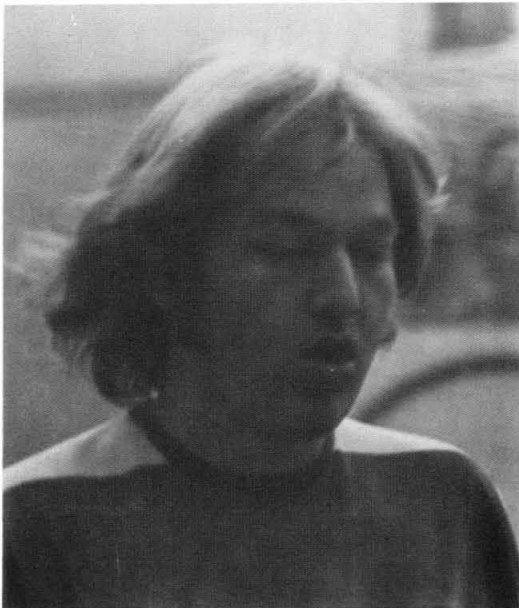


In corpis solis



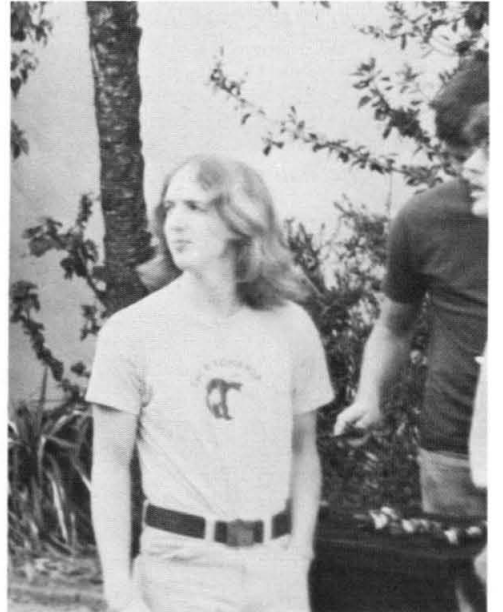


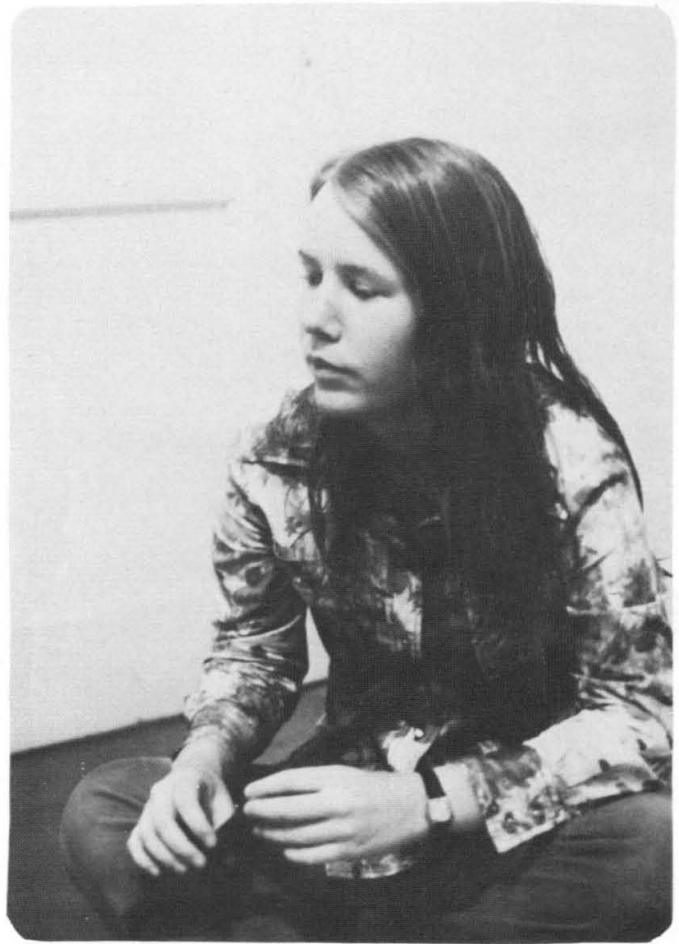
The house receives some support...



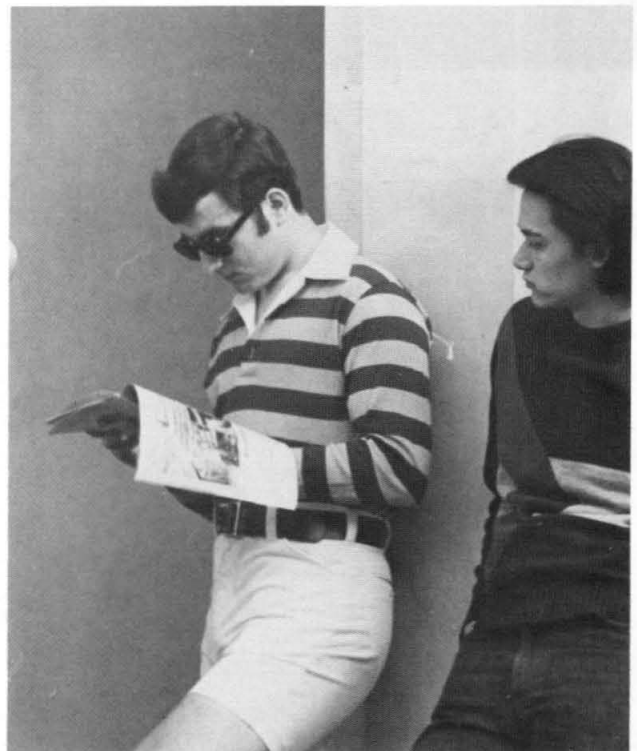
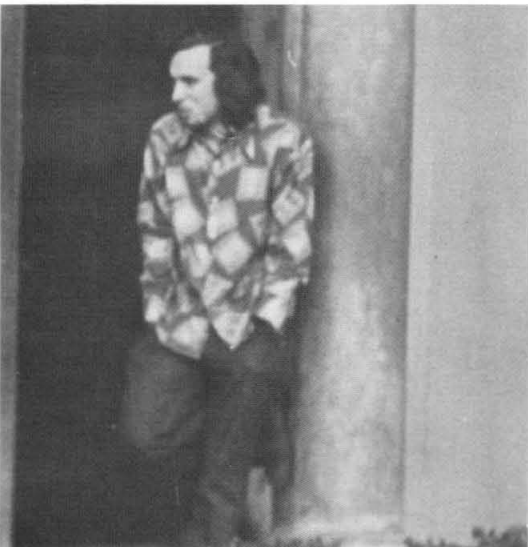


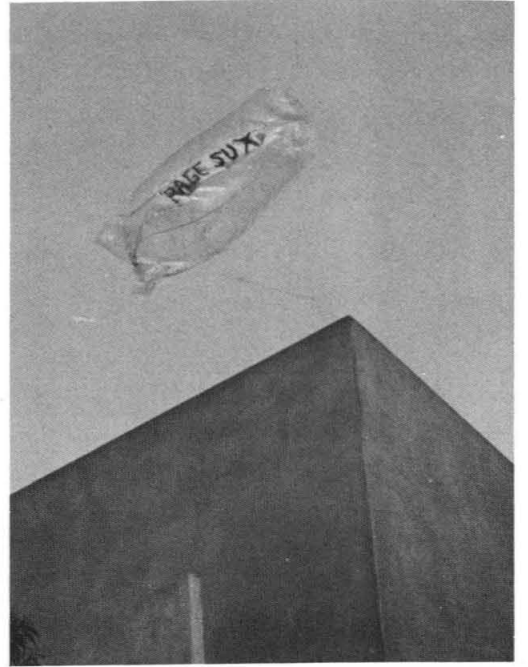
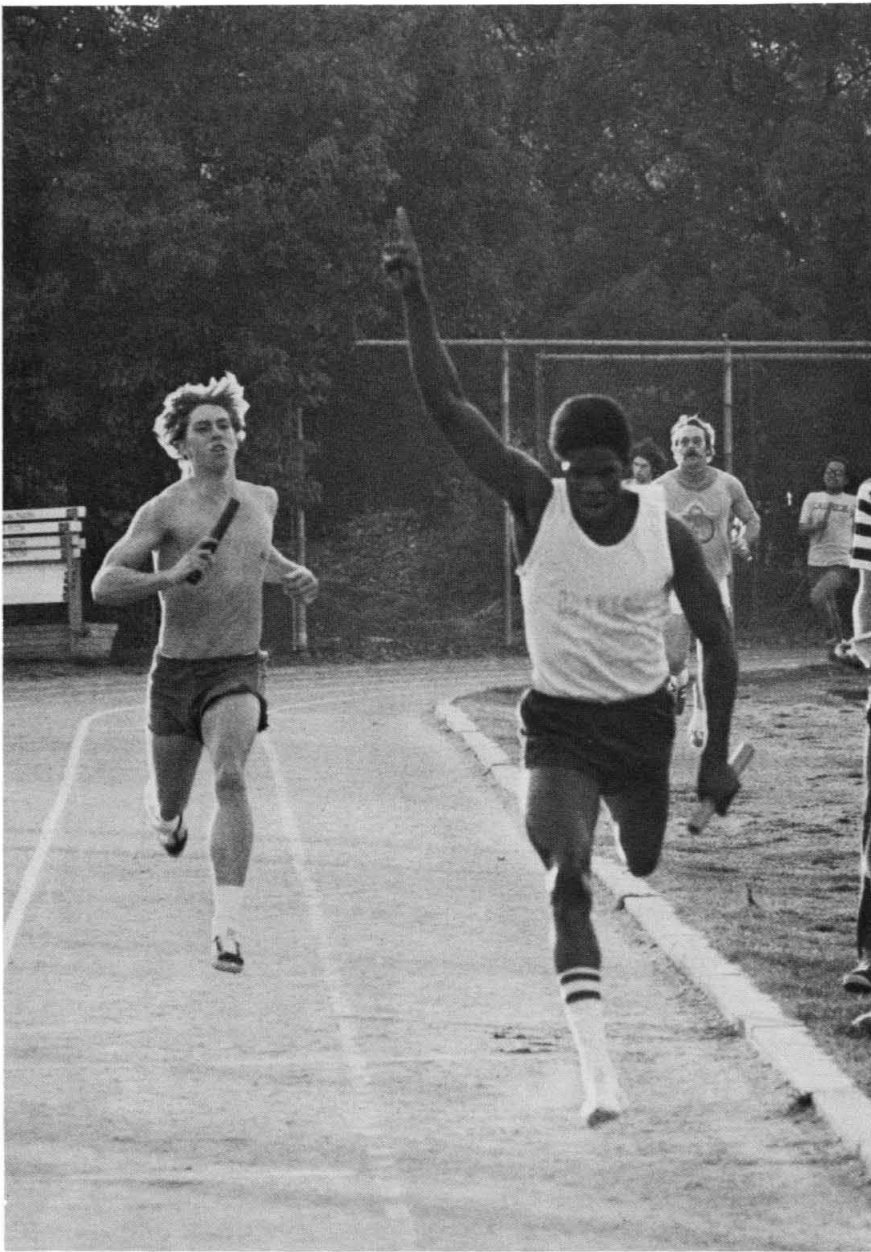
More Dabney women



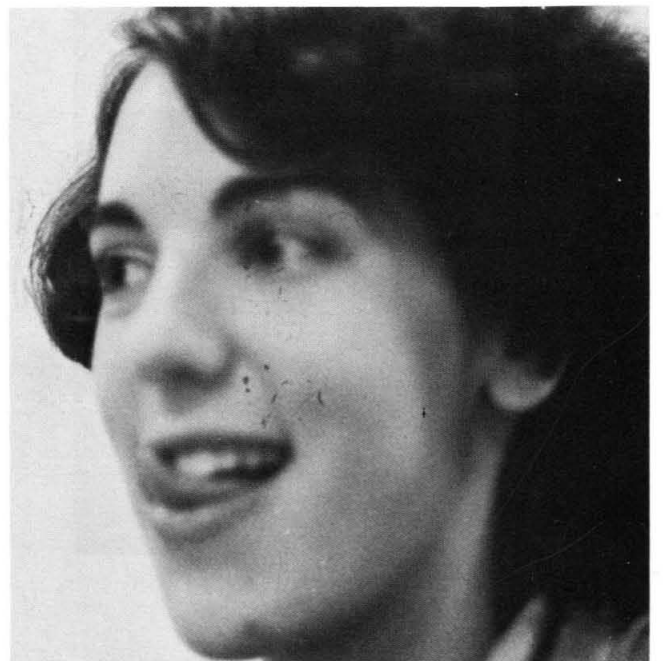


The house recieves some abuse...





**THE MEN
and
WOMEN of**





FLEMING HOUSE

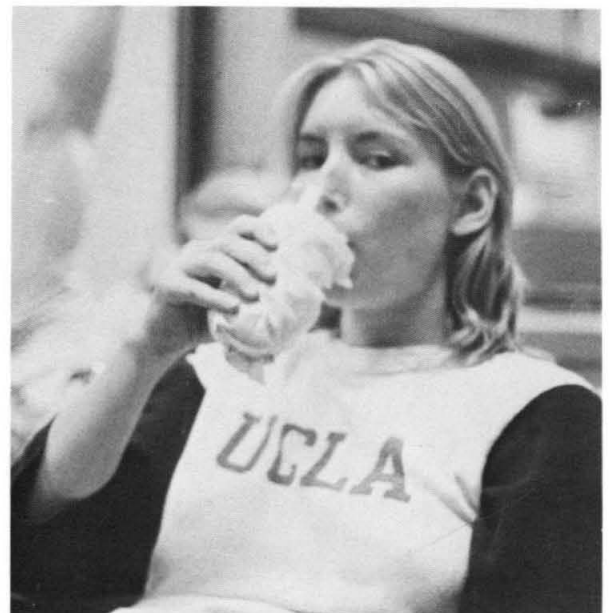
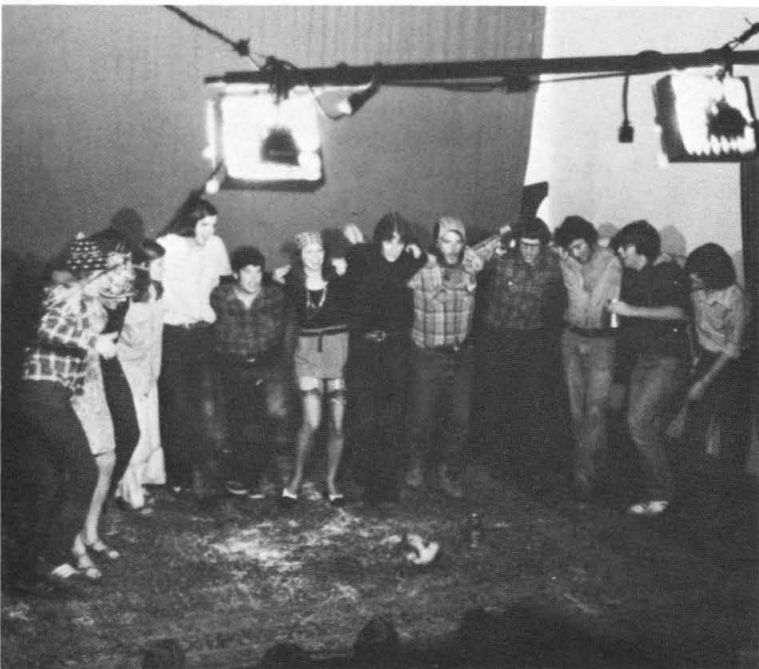
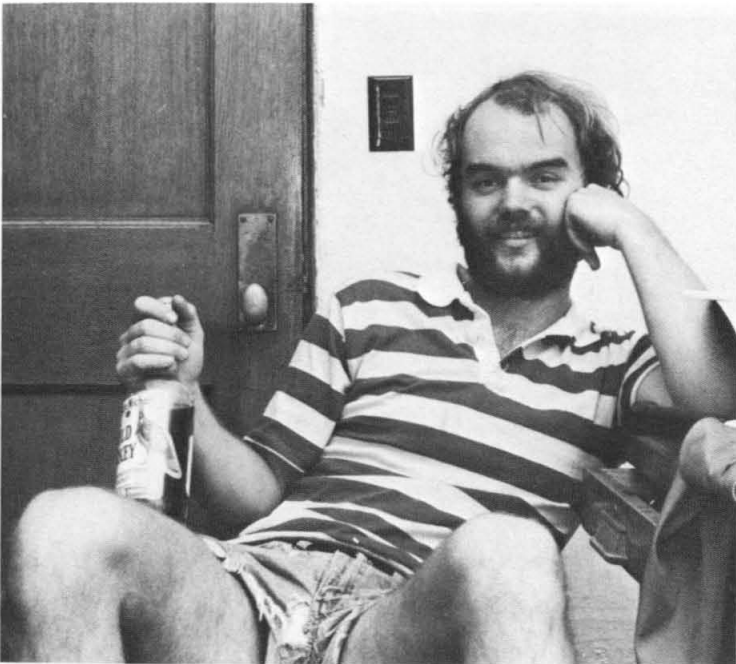


1st Term

"People are going to tell you lies..." The frustrated lumberjacks at Frosh Camp put on a spectacular floor show for the Freshmen and Rotation week continued their rather boisterous activities. Twenty eight bumbling bundles of joy were added to the house rolls, 26 frosh and 2 sophomore transfers. Bill and Zondra Newsome, our new RA's, now will be experienced, come next rotation. The festive air was carried through by the seniors who acted as if it were third term. "... And on Saturday night, we start the real drinking!" Although the fear quieted down most everyone by midterms.

The women of Fleming organized a dinner for themselves at Westward Ho which went over very well.

Interhouse was completed with a second or two to spare. The theme was the Northwoods. Carol Stevens organized the building of a mountain in the courtyard. Dave Adams, Mike Machado, Rono Mathieson, Carol and Stan Shipley and a few others put a lot of work into the mountain. A mine tunnel through the mountain led to Alley Six and refreshments. The lounge was set up as a backwoods bar in the Northwoods with appropriate accoutrements adorning the walls. Somebody found animal traps to go over the mantel, and Chris Russel donated his snowshoes. The walkway outside the lounge was flooded by Peter German and Ron Klapproth. Bill Newsome and others erected a water wheel. Kevin Gromley and Jim "Crash" Mullany and Carol Thompson wrote the play. Surprise cameo appearances included a second showing by Seidel in his stunning soliloquy, and Ierley, by popular demand, with his Turtle joke. The play was about Sweet Nell (Sue Fuhs) and her archeologist father (Peter "Knothole" German), Canadian Mounties, lumberjacks, gold, greed, true love, impotence and raunch. Excellent performances were given by Chris Sexton, as the villain, Eric Sobel, as Percy the Canadian Mountie, Jim Mullany as Crash, the intrepid mail pilot, and the numerous other Flems who participated.

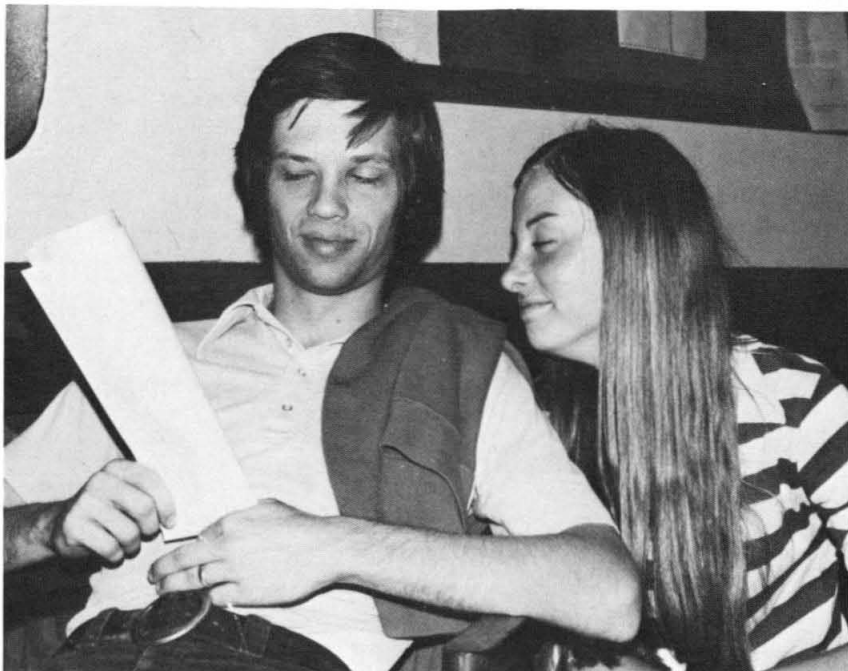


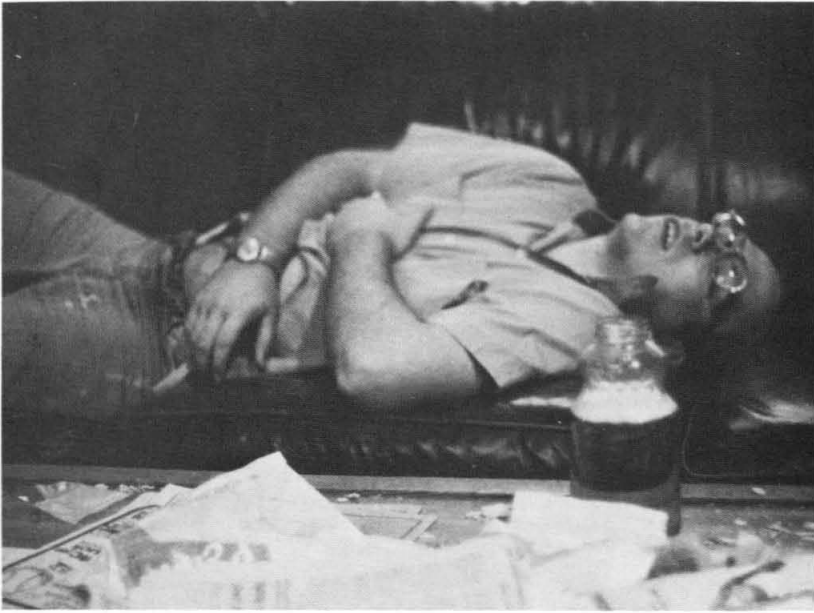
Fleming was fined \$85 by the IHC for the Darbs. The argument was that our bridge over the water to Dabney looked too rickety and that therefore they lost business from timid spectators. They did not sell as many sandwiches as they had anticipated and blamed us. (This is the first Interhouse that they sold food at.) Third term the Darbs absconded with 2 of Big Red's firehoses, which after much haggling and repeated denials, we finally got back. And while on the subject of lost items, the old Interhouse trophy (retired to Fleming House) and the plaque of Arthur Fleming, are still missing (since Christmas, last year). Oh yes, we repaired the painting of Prince Eugene after he was mysteriously egged by some unknown party near the beginning of this school year.

The Scurves challenged Fleming to a beer drinking contest. We accepted, and won. Several Rudds judged. In a 5 hour period, each house was to consume as much beer as its members could hold. A member would be eliminated from further drinking if he popped his cookies, but what got down before the explosion counted. The Big Red Machine accounted for over 5 half-kegs! Ricketts squeezed into second place with around 2½ half-kegs, beating out the Rudd judges.

Fecathalon was held but since that's all I remember of it, that's all you're going to hear.

First term also marked the beginning of a shaving cream war. The Alley 5 sophomores stopped shaving (it was only peach fuzz, anyway) and began using their shaving cream in more practical pursuits. Alley 5 attacked the freshman Alley 2. Tom Brikowski, Bill Buchanan, Ron Klapproth, the infamous Jeff Record and Bryan Sutooles and others showed no mercy. Cindy Flanagan and Eric Eriksen rallied the freshmen, and somehow Alley one was attacked, too.

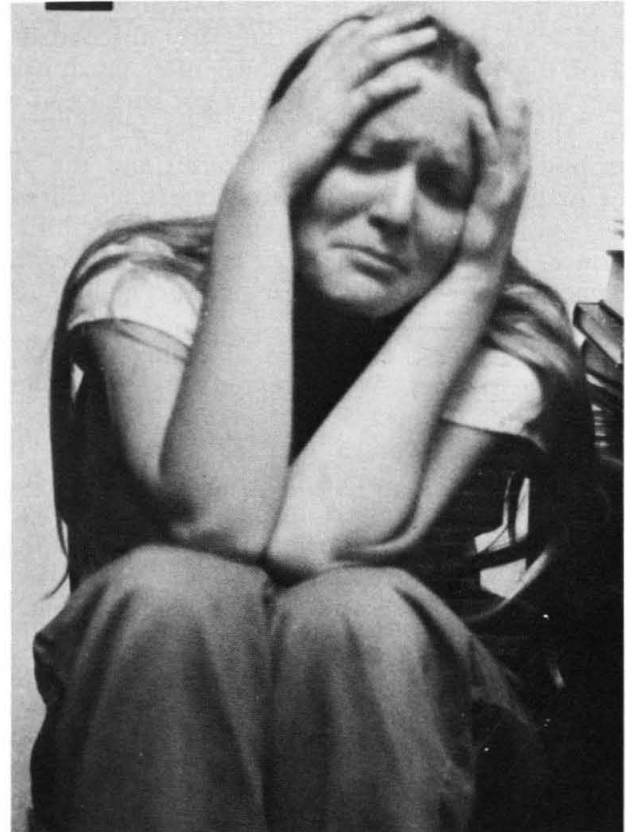
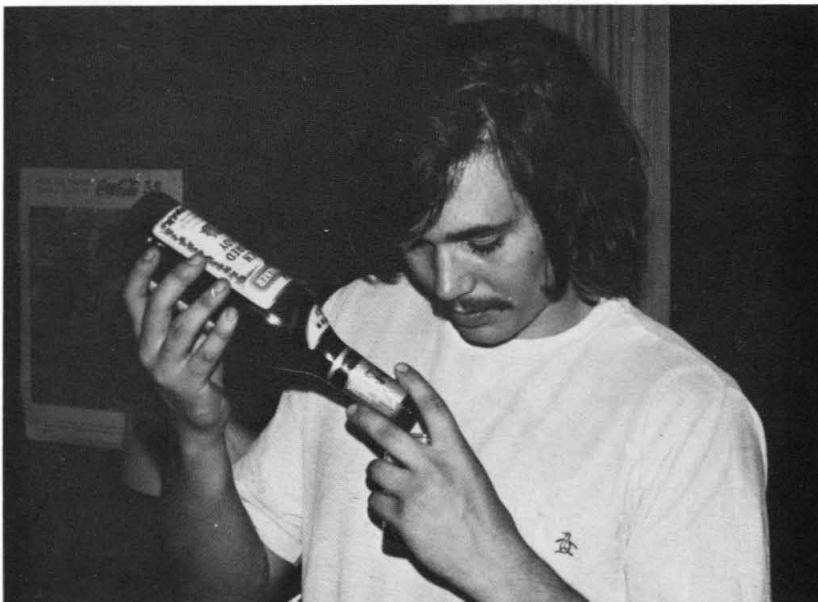




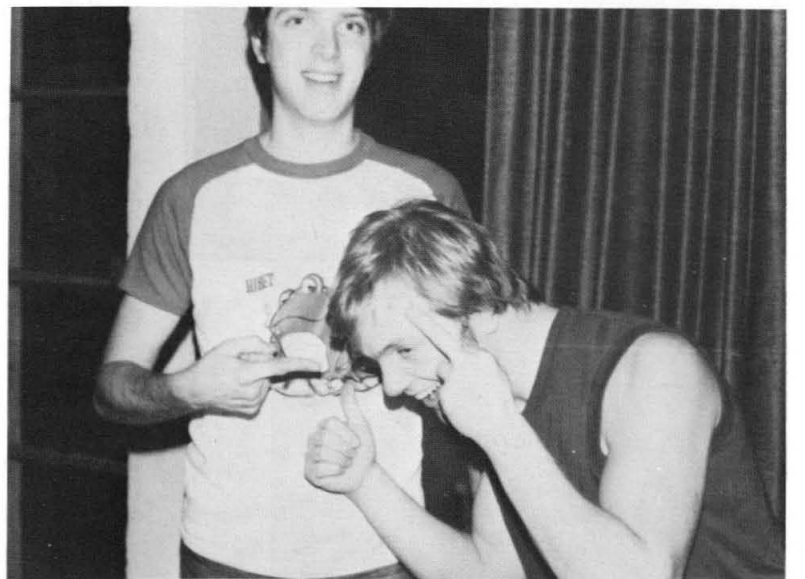
STABLE ONE



STABLE TWO



STABLE THREE



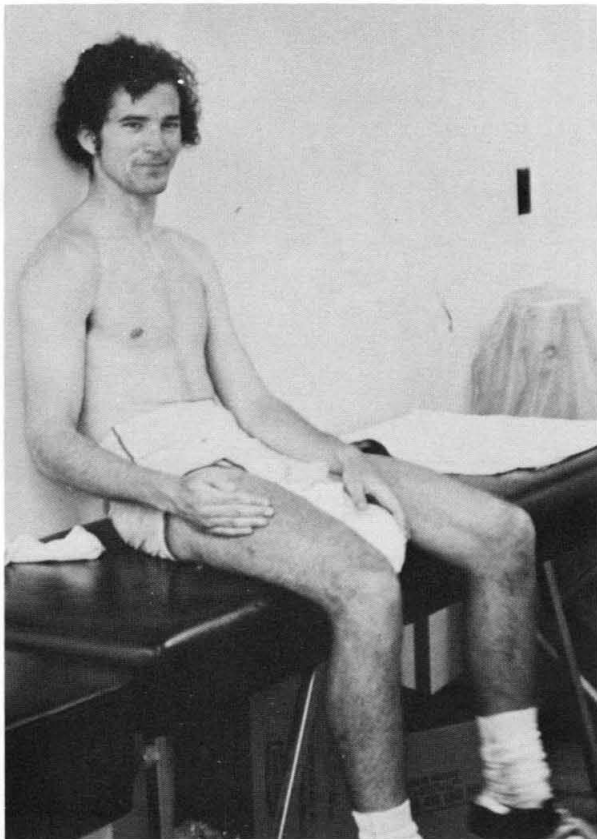
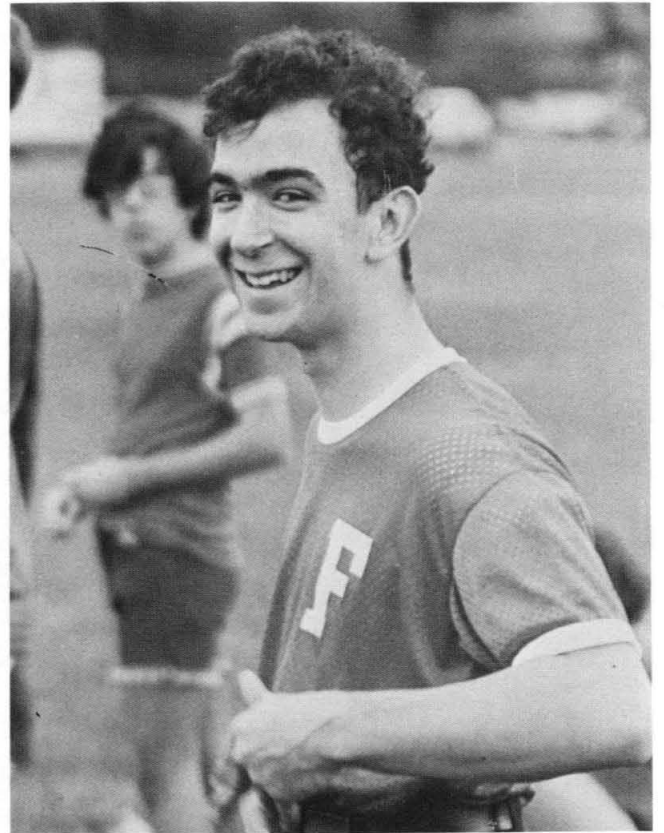
2nd Term

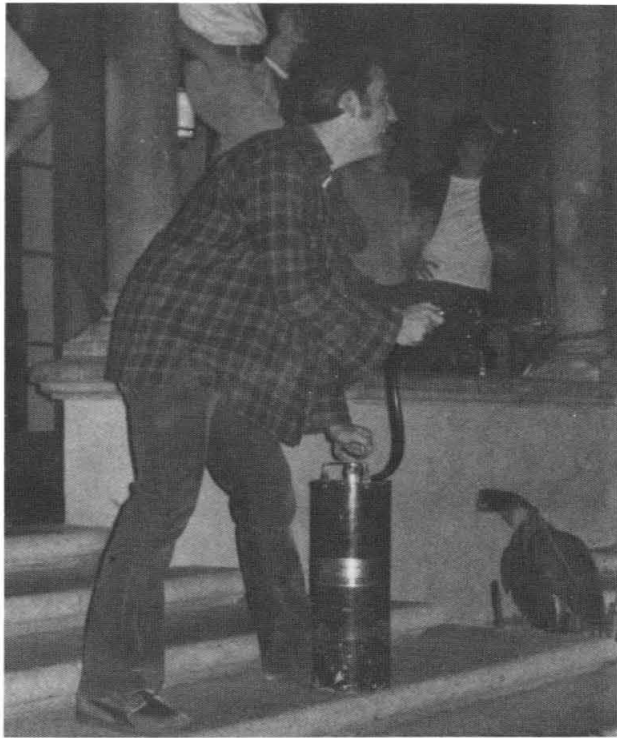
"I had fun last night, but now it hurts."

Second term is the traditional term for Frosh wash, and I think all of them eventually got it. The freshmen of Alley 6 were the most spirited and even got some of the upperclassmen wet.

A new women's purity test was created.

The juniors won the Indoor Olympiad. The senior's crew race team of Art Gooding, Jim Mullany, Jim Seidel, Alan Comer, Carl Lydick, and Tom Snyder blew away the opposition with a record breaking time of 76 seconds.

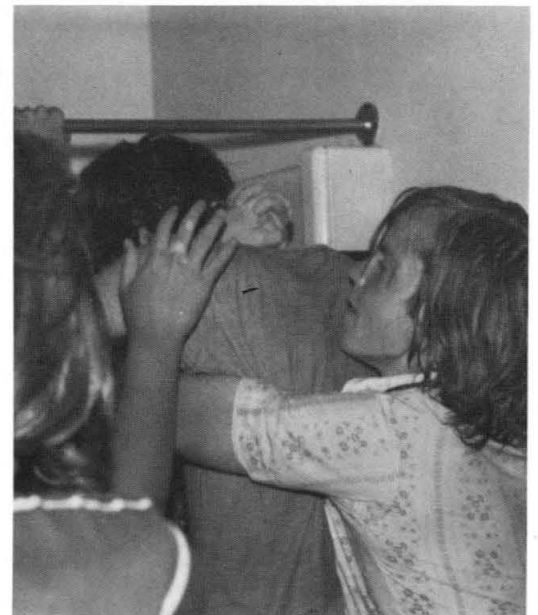
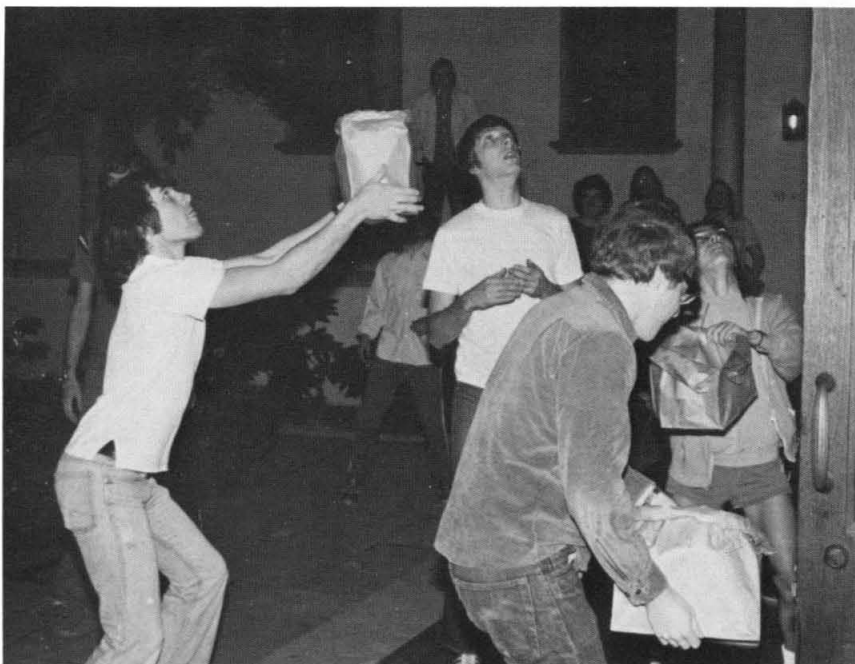




Big Red enlivened the Interhouse swim meet with a combination crew race and relay. Although we were the only house to include the crew race, we still came in ahead of 5 of the other houses to tie for first in that race, and won Interhouse swimming nevertheless.

Second term was also the time for house elections. Peter German handed the bell over to new President Bruce Baker. Chris Sexton took over Jeff Blinn's place as V.P. Mike Machado was elected Treasurer. Larry Lesyna became Secretary. The incoming ath team consisted of Bryan Sutula, Jeff Record, Steve Toner, and Greg Blaisdell. The new social team was of Louis Testa, Erik Sirri, Rono Mathieson and Tom Brikowski. All Alley 3 frosh were deamed house batons. (Sorry 'bout that to Bayless, Bernstein and Reach) Some moldy oldie offices were retired and some new ones established.

For Spring Break, the house sponsored, for the second year in a row, a house skiing trip to Mammoth. Again this year it was very successful.





3rd Term

"I've been yanking on it and playing with it all these months."

Third term moved pretty slowly. Outdoor olympiad was postponed a week because of rain. The juniors, that miniscule but mighty portion of the house, finished first in the standings. The freshmen took second place. The seniors limped in at third. The sophomores, at last place, insisted afterwards that the olympiad was really postponed until next year. (Tough breaks, Sutooles!)

Polish Constitution Day we saw the Scurves declining to grace our walkways, so some mercenaries went over to assist the Rudds, along with the loan of several of our hoses, and so the Scurves didn't have to miss our folksy, homey, sort of wet, reception.

Ditch Day was very interesting. Many of the Seniors banded together to build a brute force stack in Ru Chang Kung's room. (A wise choice, since Ru Chang had just moved off campus.)

Wise Senior Chris Russell made a bet with some of the Sophomores about the time needed to break the senior's stack. Twenty five minutes after the seniors frantic departure at 8:00 AM, Russell lost the bet. Thereupon his room was sodded and decked out as a soccer field.

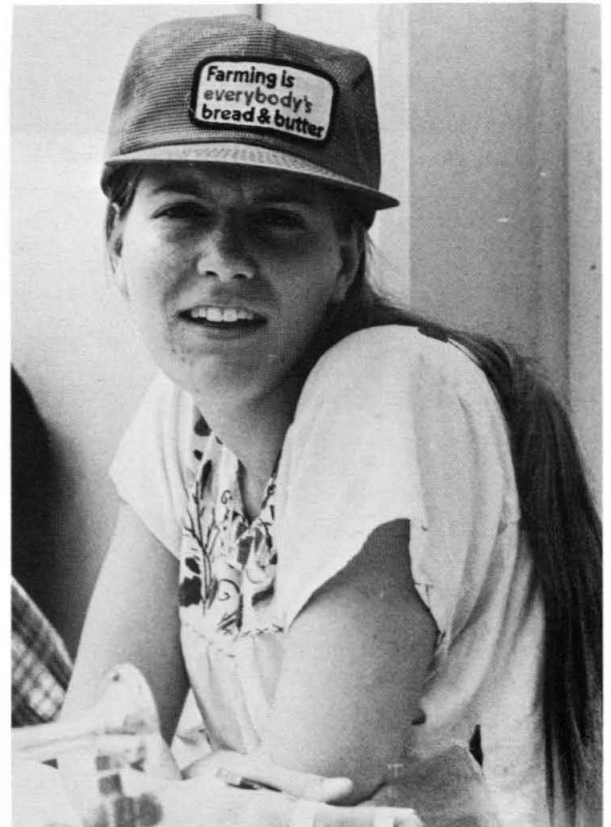
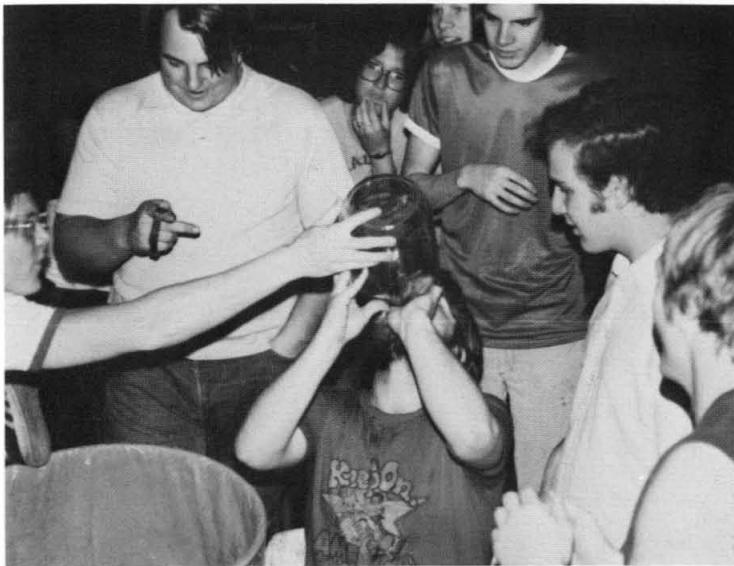
Chris Jenson's unsolved stack was a road rally through the steam tunnels. Nick Yang and Bill Yeung did a EE, "hints and flip the right switches" stack. Anthony Sneed's used a calculator program. Mark Sturza had elaborate hints to mislead the clever, and Budak Barkan also had a finesse stack with hints.

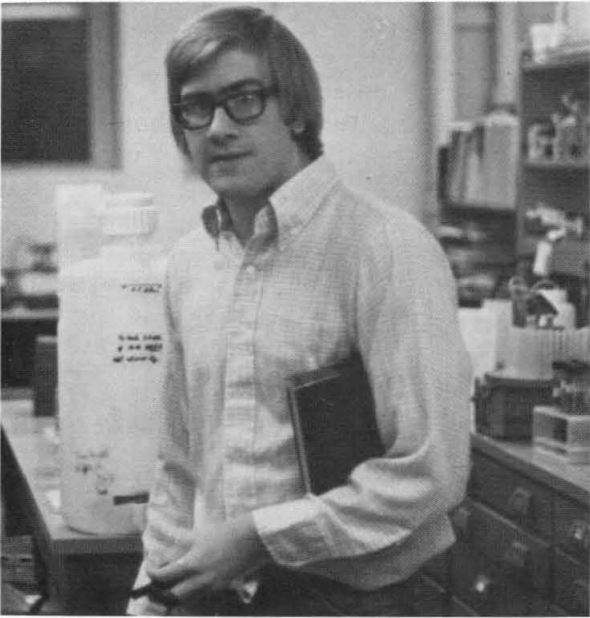


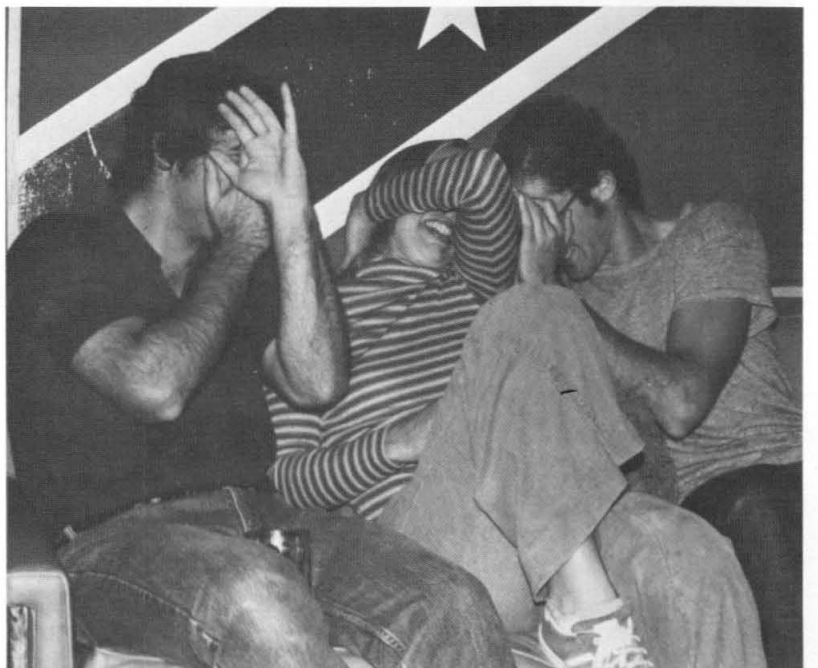
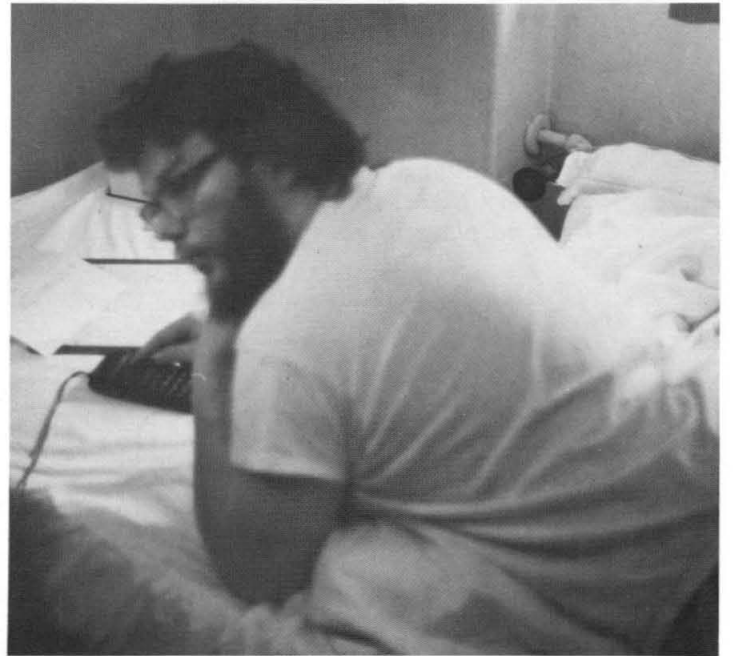
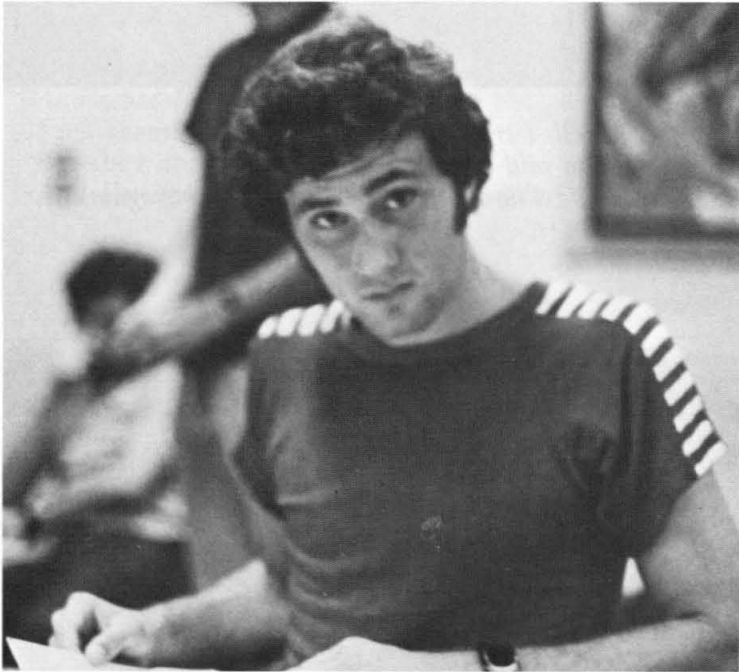
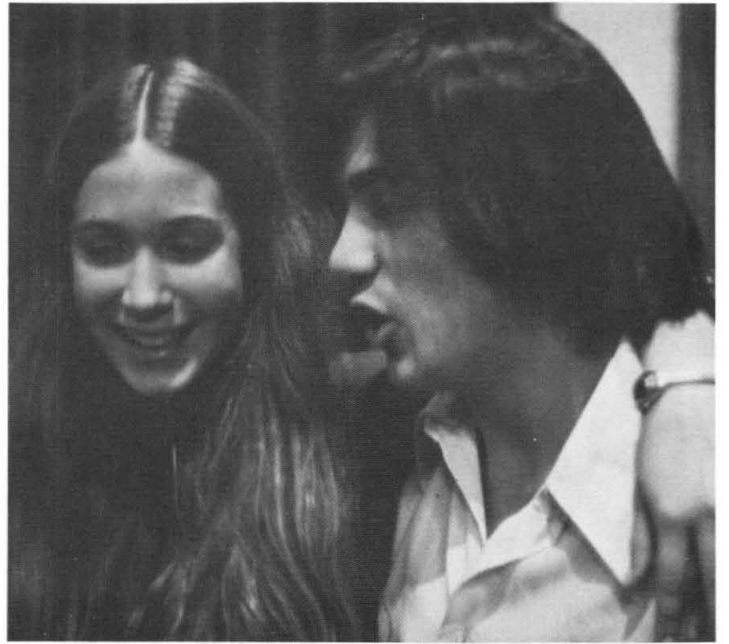
Graduation came, and school ended. Several graduating seniors got married. Chris Jenson and Linda, and Jim Seidel and Carol Stevens.

There were several close calls, but Big Red managed enough upset victories to get both the Interhouse Trophy and the Discobolous Trophy. This was great! The ath teams did a very good job this year. Fleming also won the Varsity Rating Trophy.

I should also congratulate the social team. There isn't much about them in the yearbook writeup, but they did a great job on the house parties and weekend social events. I don't want you guys to slough off until I graduate!



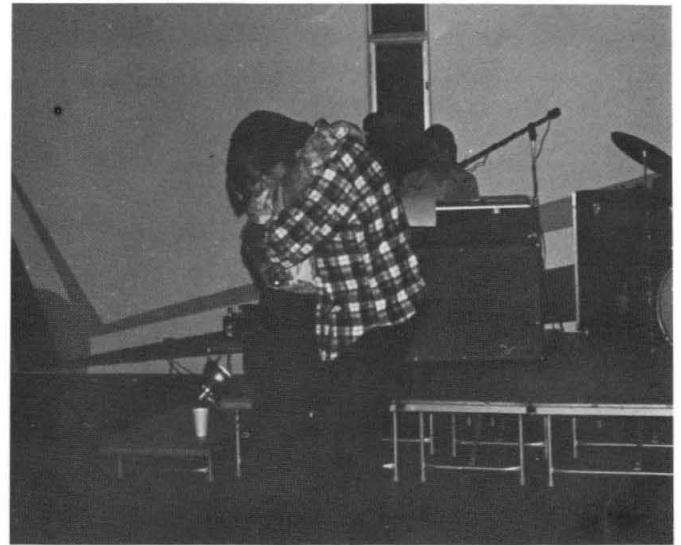




The lyrics to this popular song tell very little about
Lloyd House, a living legend among us at Caltech.



*Well, I'm sitting here all alone
Readin' 'bout Moe and Joe
Saturday Night, study Physics
I got no place to go*



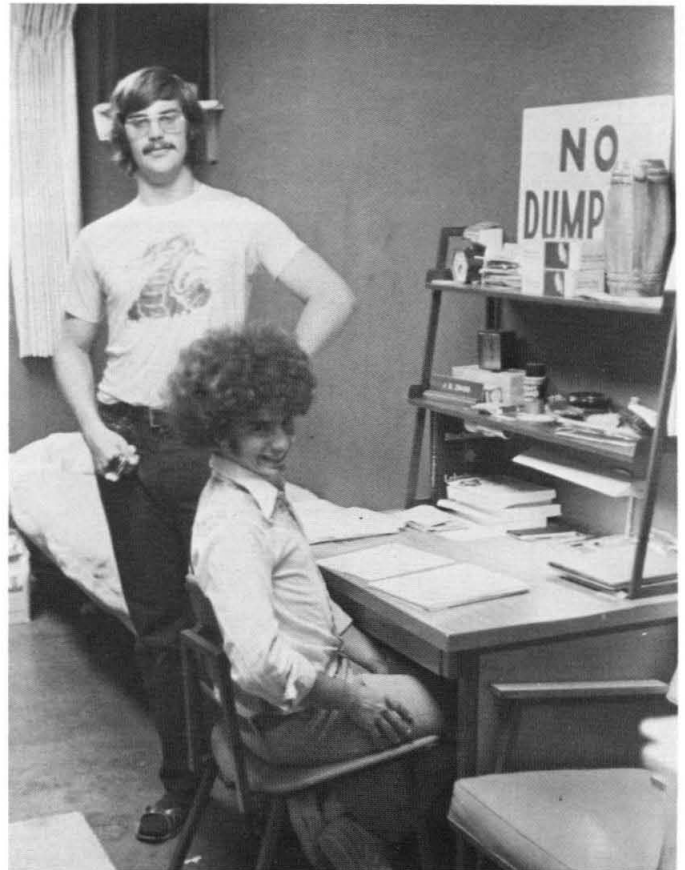
*Well, I tried to kiss a girl last night
She said I wouldn't do
And I'm down to Seeds and Stems again, too.*



*I flunked a physics quiz yesterday,
What should I do now?
they said to describe a monkey on a string
I wish they'd told me how
Well, I know just why I failed that quiz
I was needin' a right hand screw
And I'm down to Seeds and Stems again, too.*



*All the girls look at me
Like I was some kind of freak
I try to tell 'em the joys of science
And what I do all week
I tell them del dot B is zero
But they don't care if it's true
And I'm down to Seeds and Stems again, too.*



*I had a girl, a sweet co-tech
By the name of Sue
Ugly as refried sin
And she was six-foot-two
But I loved her for her personality
But she wouldn't put out, not Sue
And I'm down to Seeds and Stems again, too.*



*Last week my house got some girls
At 50 cents a head
We had a dance, I struck out
Decided to go to bed
Well, I found my roommate had locked the door
He was in there with Sue
And I'm down to Seeds and Stems again, too.*



I got the "Down to Seeds and Stems Again" Blues

SEEDS AND STEMS

BY C.B.
LLOYD



The Saga of a Caltech Undergraduate House

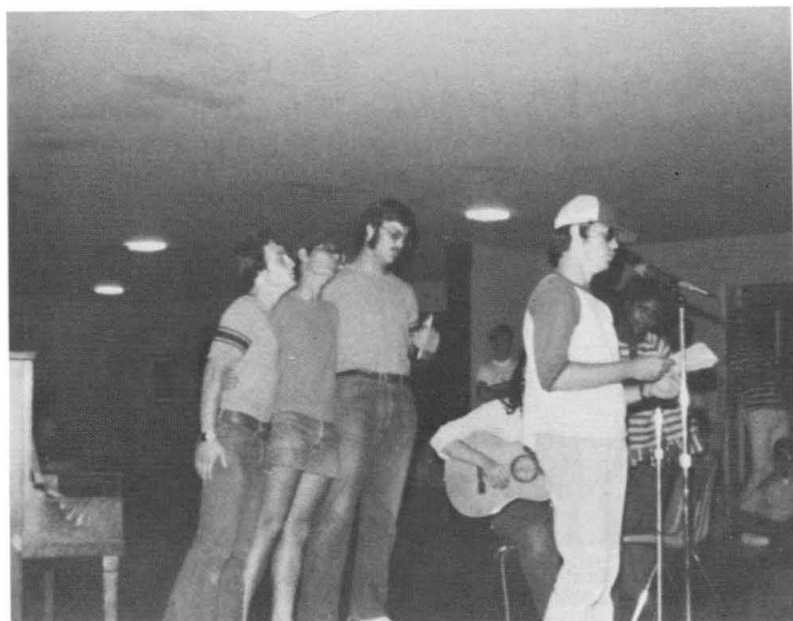
THE UNIQUE HOUSE THAT HAS THE WHOLE CAMPUS TALKING!

Basis of the smash hit song frosh camp presentation, "Seeds and Stems" is the result of a house's 16-year search for its individual origins. The house is Lloyd House, a subsidiary of Buck Aerospace, Inc. Painstaking research of Tech tales and traditions passed down from class to class has enabled Lloyd to trace itself back to The Real World—where a group of intelligent young men were abducted by Throop. Surviving the agonizing slave science journey across the Old Complex, Blacker, Dabney, Fleming, and Ricketts, the intelligent young men were brought to Lloyd and sold to the life of more science.

This is the monumental drama of Lloydies and the seventeen generations that came after them—slaves and freedmen, applied mathematicians and mathematicians, applied physicists and physicists, astronomers and chemists, biologists and applied biologists, engineers and geologists, historians and social scientists... and finally winners. Poignant, exciting, and, in the end, exhilarating, "Seeds and Stems" answers questions we all ask ourselves; Who am I? Where did I come from? What are the human dramas that led up to my life? It is a deeply felt saga of one Caltech undergraduate house that is representative of all—an eloquent story that speaks to Techers of all undergraduate houses on campus.

This story is bound to have a lasting impact on Caltech undergraduate culture.

—California Tech Book Review



DEDICATION

It wasn't planned that "Seeds and Stems" researching and writing would take 16 years. Just by chance it is being published in the year of Harold Brown's governmental appointment. If it wasn't for him, "Seeds and Stems" would never have happened.

ACKNOWLEDGEMENTS

I owe deep gratitude to so many people for their help with "Seeds and Stems" that pages would be required simply to fit them all. The following are pre-eminent:

D. Bacon, M. Berger, C. J. Brown, K. Coles, L. DaVinci, M. Fischer, P. Goodwin, L. Tutt, and M. Zwass are responsible and highly appreciated for their beautifully contributed artwork.

The Real World portion of this book exists in its detail only because C.J. Brown shared and supported my intense wish to explore if my upperclassmen's oral history might possibly be documented back into the Real World where all Lloydies began.

Finally, I acknowledge immense debt to the griots. The R.A.'s symbolize how all Techers go back to someplace, and some time, where science wasn't the only thing in life. Thanks, Jean and Bill.

It is needless to say why we are in Lloyd House today. We are a people of great knowledge and intelligence. We were brought here where even our great abilities are exhausted.

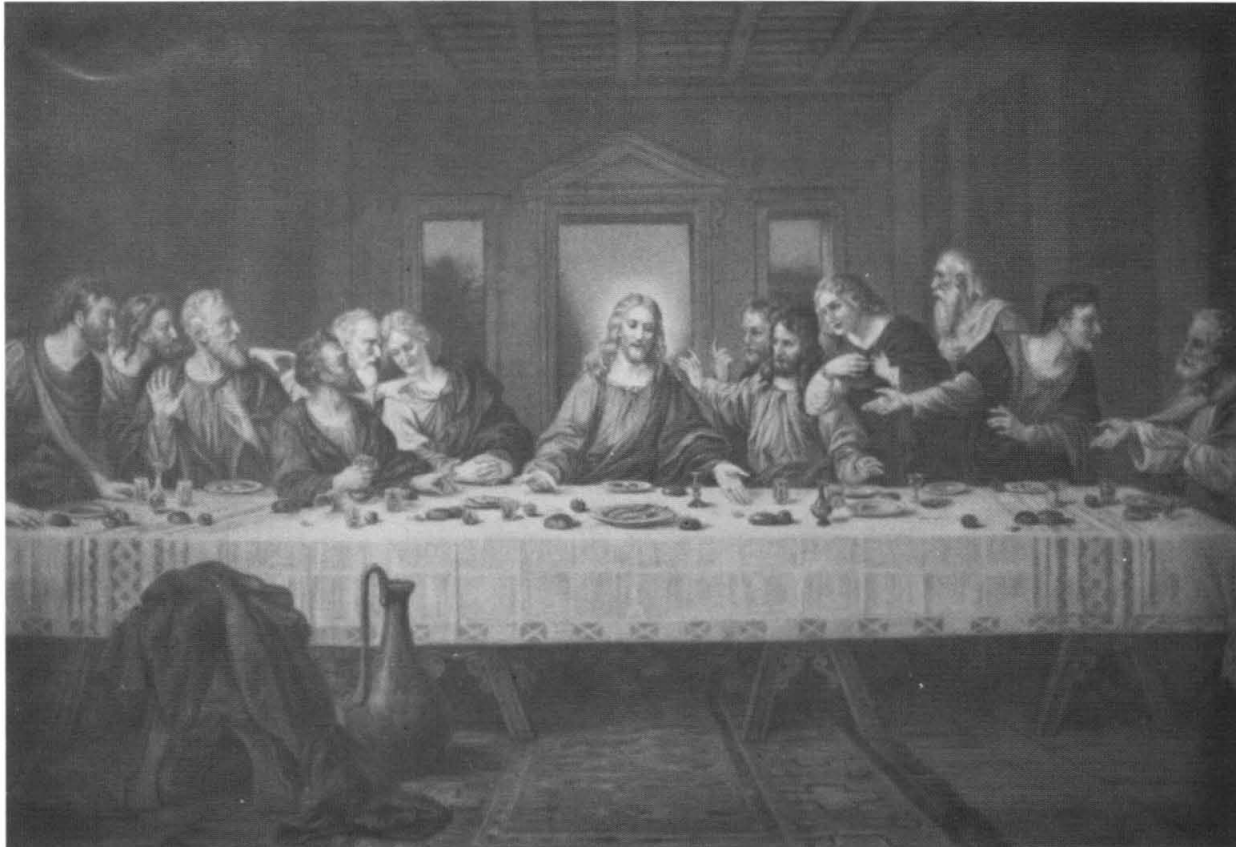
Years go by and with them pass generations of classes. They brought with them a new breed of Techers—women. They turned out to be not only great warriors of science, but of society, too.

The thirteenth generation left last June to travel to faraway places, testing their skills learned here. September brought with it the seventeenth generation of freshmen. They were taken by the hand to learn of science by their big brothers and sisters.

During second term of the 1976-77 school year, we elected new leaders. The previous administration had completed a well-done job and were due for rest. The new head warriors picked up the staff to carry on.



Lloyd



FEARLESS LEADERS; left to right: Ray Beausoleil, Mark Fischer, Jim Hunter, Mike Thompson, Marc Wold, Fred Crimi, Innocent Bystander, Ken Coles, Steve Schafer, Leila Gonzalez, Wayne Baxter, Doug Tally, Joe Zwass.



FOURTEENTH GENERATION—On Land— left to right: Russ Howard, Dave Frank, Jan Martin, Peter Lew, Stew Scherer, Nathan Lewis, John Chu, Lynn Olson, Steve Mitchell, Steve Comens, Maurice “Killer” Zwass, Chris Henley, Madeline Shea, John Ernest, Jill Evensizer (re-enlisted), Donna Wegemer. On other Missions—Dave Blum, Loreta Carroll, Gary Cox, Rick Debus, Greg Drum, John Epperson(real world), Richard Eshun, Dave Faulkner, Taras Kicenuik, Tom Little, Jim Moore, Phil Short, Tim Tutt, Mike Ullner, Glenn Wood.

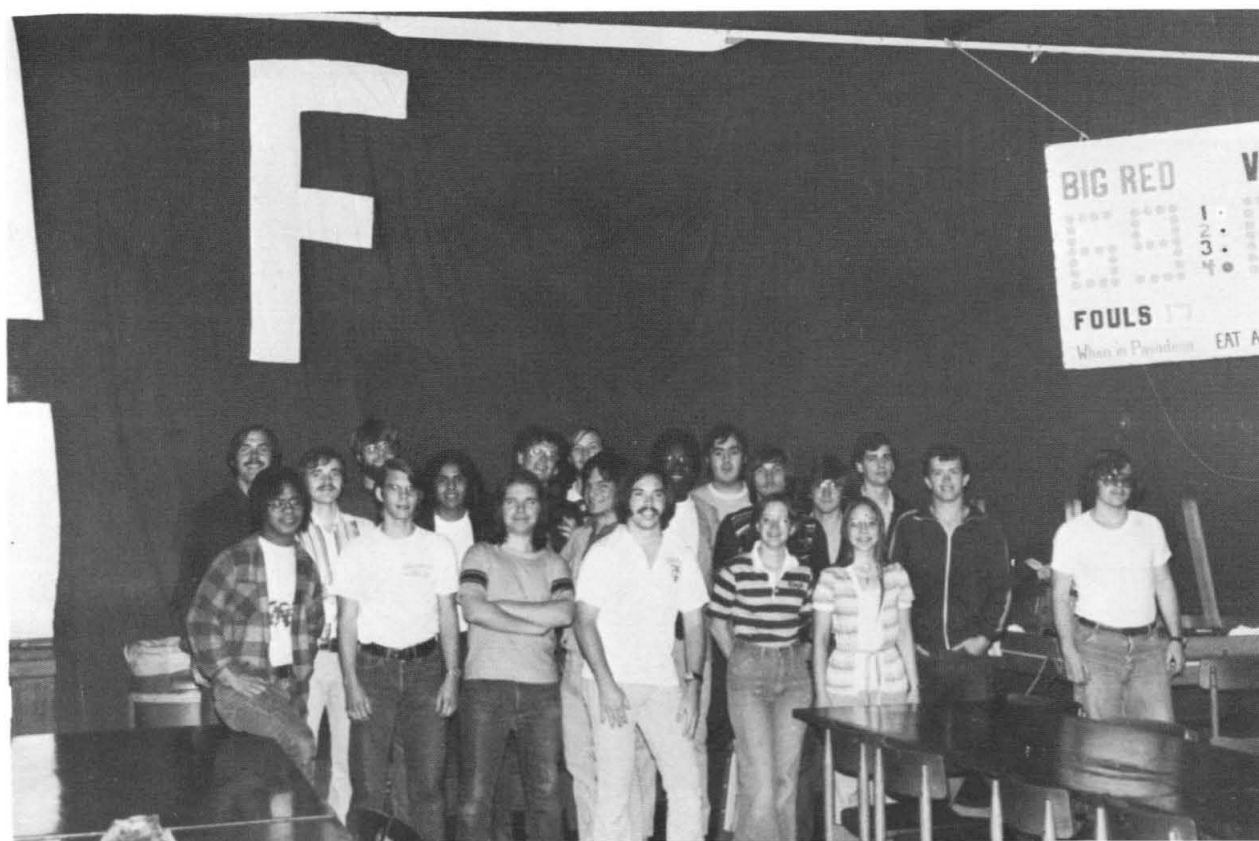
SIXTEENTH GENERATION—In Sea—(Find them if you can): Sebastian Aleman, Ron Bennett, Cynthia Brown, Mark Claudson, Ken Coles, Fred Crimi, Leila Gonzales, Peter Goodwin, Bill Graham, Ken Gray, Paul Gutierrez, Mike Kauai, Scott Konishi, Corolyn MacDonald, Mike McCool, Mark Nussmeier, John Pursch, Young Rochelle, Doug Tally, Mike Thompson, Lee Tutt, Hank Walker, Marc Wold.





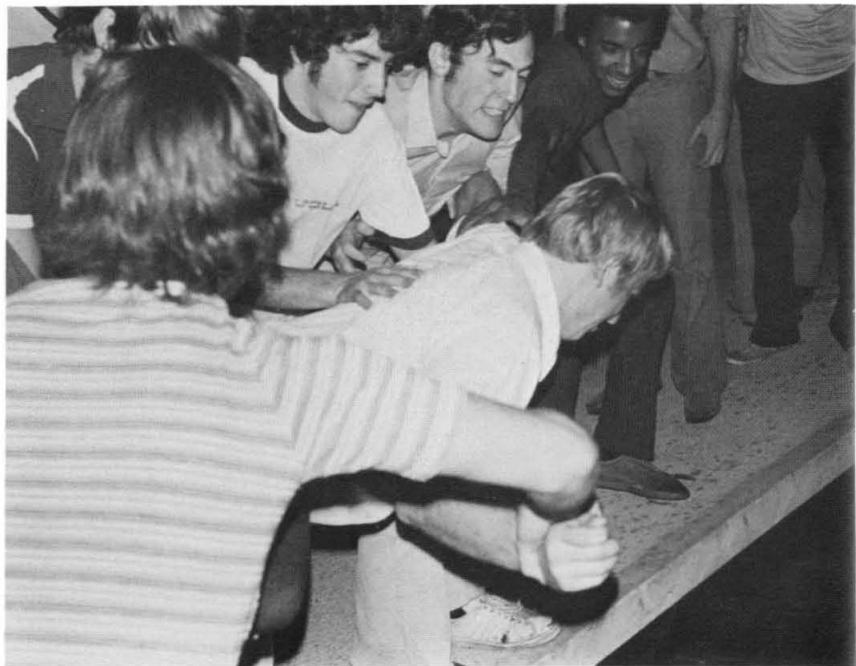
FIFTEENTH GENERATION—In the Air—left to right: Al Drehman King Yeung, Matt Heffron, Lois Freeman, Jim Brubaker, Jose Helu, Duane Gray, Martin Goldberg, Chaz Schlindwein, Bill Danchi, Joe Zwass, Steve Schaifer, Don Bacon, Wayne Baxter, Jim Morrow. On other Missions—Marc Berger, Bobby Buss, Ken Ekstrom, Steve Eppley, Lee Geiger, Steve Oualline, Mike Shin, Suwat Thaniyavarn, Chris Vestuto.

SEVENTEENTH GENERATION—In a Foreign House—left to right: Jim Hunter, Carlos Ramilo, Roland Rundzjo, Bob Burke, Kris Jacobs, Francisco Nares, Barry O'Mahony, Bill Power, Rob Weiss, Mark Fischer, Wayne Hartman, Ray Thomas, Clint Knott, John Sparks, Shevaun Gilley, Rob McAnnelly, Susie Santucci, Jeff Hicks, Mark Fortunato, Larry Neir. On other missions, Home and Abroad— Ray Beausoleil, Alan Blanchard, Todd Bordeaux, Nina d'Ambra, Greg Earle, Stu Friedberg, Lynn Hildeman, Kerry Kurasaki, Jeff McLean, Bruce Pederson, Paul Shupak, Pat Walp, Woody Weaver, Jon Zingman.





Interhouse Mad Scientist



Griot Bill Bachovchin's PhD Celebration

We Live and Die . . .



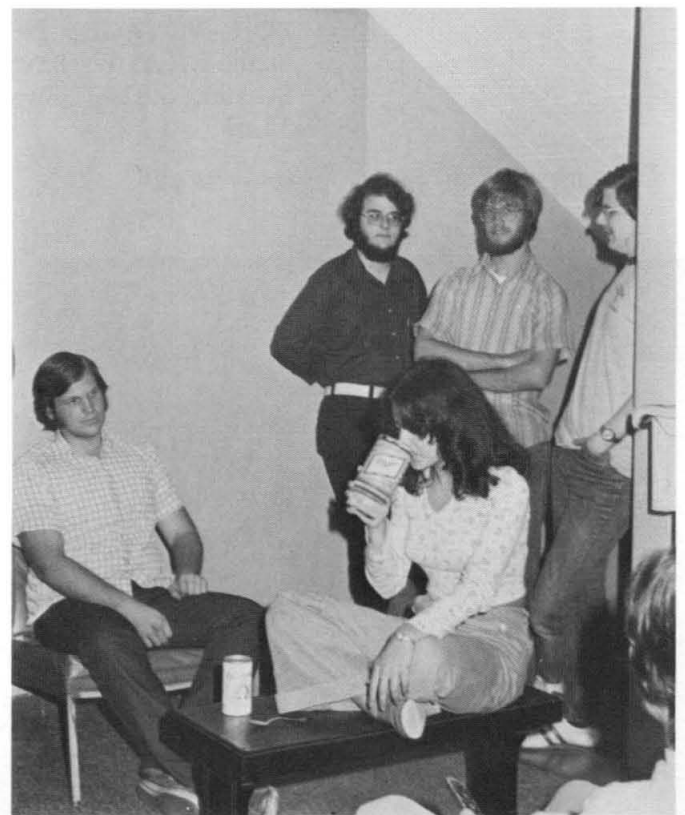
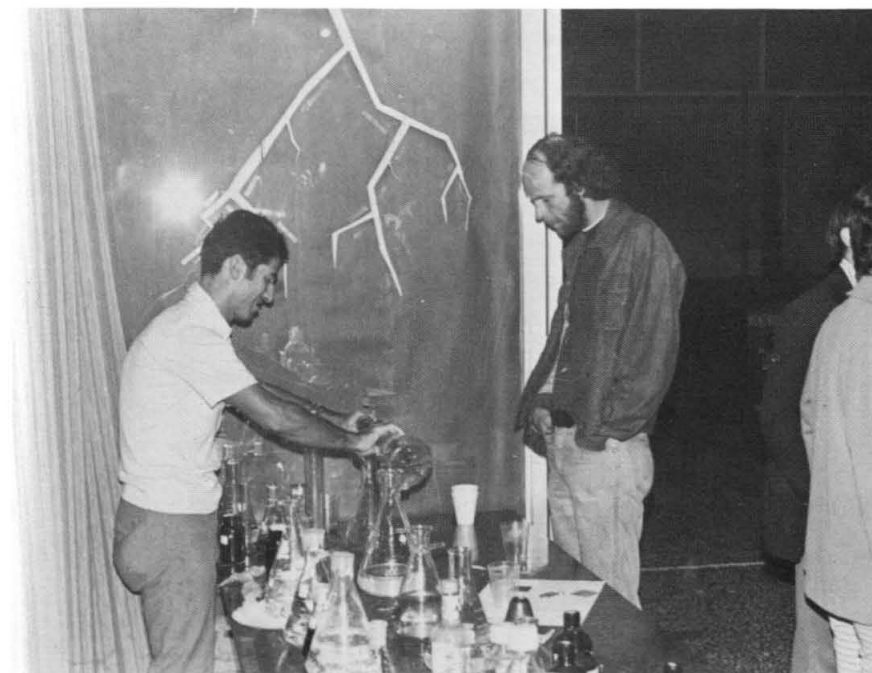
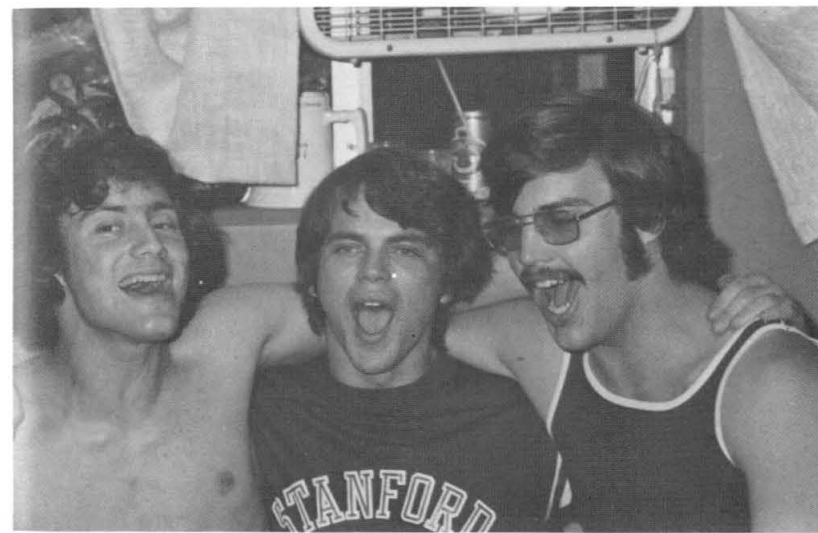
D.T.? Cee Bee? killer?



Griot Jean Bachovchin Sharing Wisdom

... For Those We Love

"Layla!"





BON VOYAGE: Pit Crew; A. Drehman, D. Gray, C. Schlindwein, W. Baxter, S. Eppley, B. Danchi. Drivers; S. Schafer, 56.82; J. Zwass, 58.07; J. Helu, 63.25; J. Morrow, 58.65.





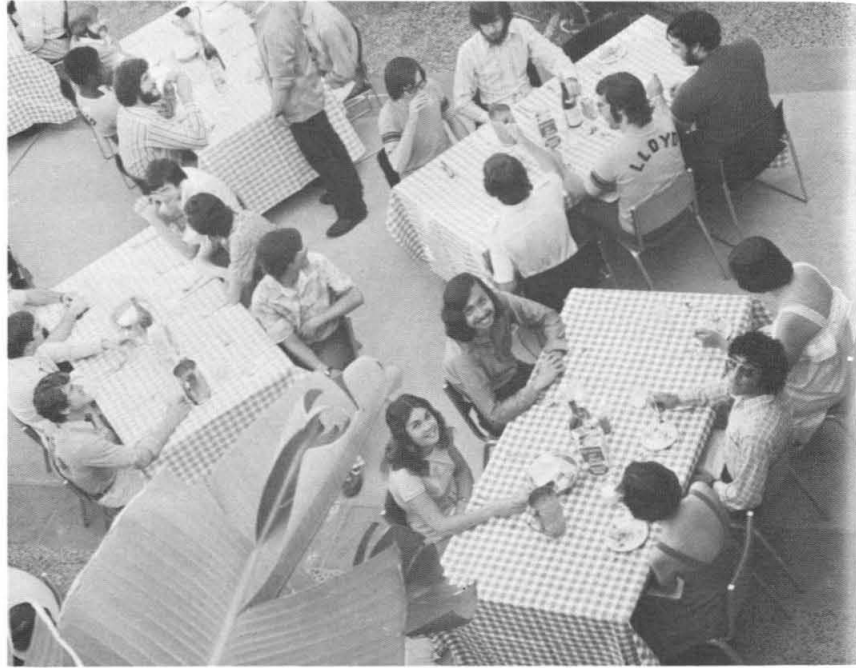
Is This the Enemy?





We Welcome Visitors

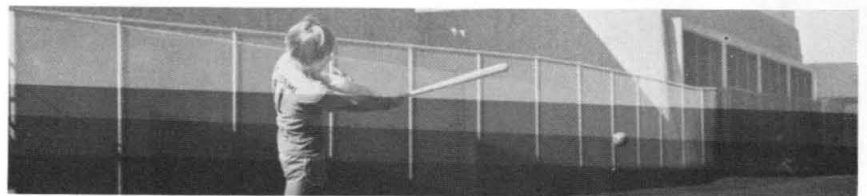
We Visit the Land of Ruddock



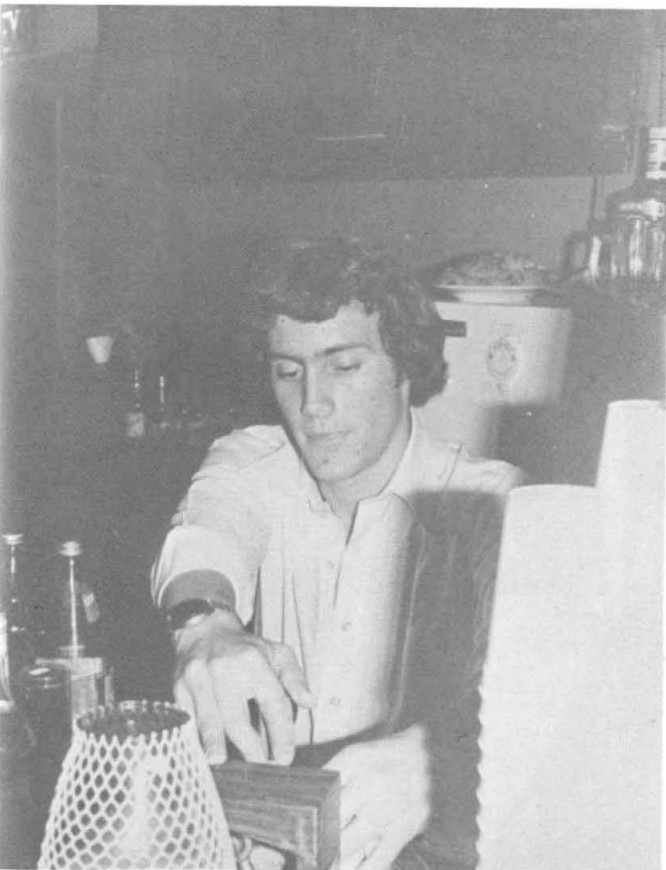
We Journey...



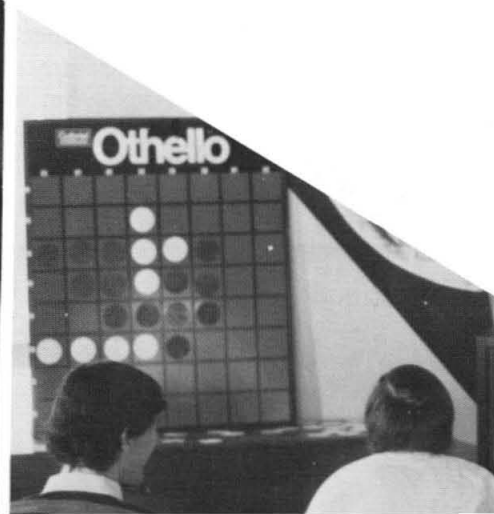
... To Faraway Places



so Killer and the fourteenth generation gang have joined the others out there. I feel that they do watch and guide and I also feel that they join me in the hope that this story of Lloydies can help to alleviate the lagacies of the fact that preponderantly the histories have been written by the winners!







"Shit, I've been here at Page for about two-and-a-half terms and I can't remember ever being anywhere else. Everything that I love to do I've done here; life before Tech just seems to be a vague collection of dissatisfactions and problems." I handed Joe this observation along with the pipe.

"Damn right, Alex", he said around the mouthpiece. "Don't know what I'd do without it."

The motion of the waterbed as he reached for the matches woke Jamie. She sat up on the edge of the frame while Joe finished his hit, and yawned. I'll always like to watch the amazing effects visible in her upper anatomy when she stretches backwards like that. She's a gymnast, you know, and is as flexible as hell. She works at the new Jack LaLanne's on Colorado; sure an unexpected place to pick up a roommate.

She padded, and I mean padded, over to the closet. She's using one and Joe and I share the other one. Well I mean this was the only concession she wanted when she moved in, so we let her have it.

Filled the bong and wondered what I was thinking about. Waved as Jamie left for work; wearing tight faded jeans and a black top, that kid doesn't even own a bra. While I'm sitting here bareass and Joe's got on only a tanktop. Our clothing habits in this room don't seem to cause as much consternation as they used to. But our sorties to the can still seem to upset some people. It is sort of a change though, from that night first term when a group of crazy drunken frosh streaked the athenaeum and caught shit from Mayer, security, and PPD down to ralphie's mother. She actually showed up in person. Our photographer did a good job, too good, she must have seen the Tech.

Oh Well, but I was talking about life around here. And I've still got this pipe in my hand. I'll finish it off I guess and then haul Joe downstairs for lunch. Better also check my schedule to see if there are any classes today. Remember, Alex, your a frosh again, reborn as it were, you've got no image to live up to like in high school. So live it up, maybe get it together on your own.

reminder about the Page-Fleming party that is tonight and looked for Kezios. "Hey Pete", I yelled across the room, "is this band really any good?"

"Hey", he yelled back, "they're so good that they actually gave me a songlist to pick the songs forom. Dinah-moe-Humm's on the list!"

"Shit, Man, that's great. I sure hope they're not bluffing." If the?regthat good Bart must still be in charge of picking the band. Said hello to Wern, I mean when we picked him to run for president we were sure he'd beat Gayle, but how did we know he'd do such a good job of running the place. He's infinitely more dedicated to the job than the previous one. Loo was his name, I think, but I never really saw too much of him outside of dinner. I guess a frosh girlfriend tends to lower one's ambitions along those lines. She too had a lot of potential until she fell in with the wrong people. Which reminds me of frosh camp, and rotation, and what I wanted to say. "Hey Mr. President, that's an interesting rotation lineup: the runners-up from president and vice-pres and two transfers." I meant from Cornell and Fleming, he knew this. "Do you expect them to fuck with the rotation process?"

I then apparently read his mind, suddenly conclude that he doesn't, and proceed to get terribly engrossed in a letter from the coffeehouse management. I like those guys and

Jamie and Alex



Sat down next to Werner and began reading the Tech, saw a

the job they do. They aren't too dedicated to perfection, but they run a nice place. Some nerd complained last week about something, but hell, who was it that was actually doing the job? It isn't their fault that everyone isn't happy.

I am, and all I can do is hope they are also.

That dope must have been pretty good, I noticed, because I just ate an entire stack of sugar cookies I was saving for later. And I didn't really notice.

All right, this is it, the last Page-Fleming party. I've been lucky the last couple of times, I wonder

what's in store this time. Jamie and Joe should make it around eleven, they're down to Newport Beach with the car picking up some friends.

Big group of people, recognize Dean and Boldt and Charlie and Kezios and some others around the beer keg. I slide up and stand at the periphery until the ring sort of absords me into it. "Hey how's the party?" "It's alright."

"Yeah, 'salright. Good band. You seen any real women yet, Alex?"

"Well we'll get a few, I'm sure of that, we always do, I just hope there are some that know how to talk." But the decibel level in Dabney Hall is seldom conducive to conversation anyway. Its really amazing the percentage of girls seen at these parties that you can dance with, buty a drink, dance again, and never ear the sound of their voices.

I kind of fade away as the talk turns to Discobolous and how poorly some goli match was handled. People just shouldn't expect tomuch from our ath team. The band is beginning to warm up so I go down to the bar; this could be a good place for it down here if people can find it. Shubert gives me a rum and coke and Everclear mix and the feeling it gives my lips reminds me of many parties of the past.

Ah, there's a nice looking group, over by the craps table. Move slowly over and see what the two girls there seem to be into. Nice looking they are, maybe they're into stud head philosophers like me. Closer inspection reveals some Flems, drunk and smiling, but noone I really recognize.

One of the fems starts swinging her body to the music: long brown hair and an ass that was shaped by the designers at Levis. The other has

a typical USC type hairdo, short and blond and curled up high around the face. Just like a thousand other girls you see in California. Anyway, she glanced over as I came up. She didn't really smile, but she held my eyes in her gaze for a little longer than I'd expect. Hell, maybe I'm just imagining it, but this could be my first opportunity tonight.

I walk up and put a hand on her shoulder, she turns and looks up at me. She's got dark eyes that don't seem to fit with the hair, and a beautiful turned up nose. I smile. I move in closer and embrace her waist (it sort of rhymes) while gesturing towards the dance floor. The band is over-decibeling out the Stone's and conversation is difficult. She, however, stays close during this much to my surprise and pleasure and leans up to whisper that her name is Tracey. I'm excited already, this chick is giving me everything I could want: good responses to my offerings and a feeling that this could be a real partner.

Anyway, a half of the song of this and she passes on the next. Walking back to her group I notice her totally immobile ass, but it's nice anyway. I think I'll run over to Mitch's and get ripped.

I find Bart and get into a long discussion of house life and how easy it is to follow the majority when they slip away from the house's activities. "I've kind of slipped away from the house", he says, "a lot of people kind of have."

"Yeah, I've noticed. A lot of you upperclassmen are moving off-campus. What's a frosh to think?"

"Right, right. Even Becky's apparently had enough of it. And if isn't a cataclysmic sign I don't know what is."

"Well, maybe it will change. The attitude of the house rulers change each year. Do their rotation picks really have any effect on the type chosen? After all, you really don't know what the frosh are like."

"Yeah, well, you'll see, I guess. I don't know much about it either."

"Right. One thing I'd do, is to resist the temptation to draft females. They're not worth a good athlete, and besides they're all crazy or soon go crazy."

"Hey, how about Lynn. She's pretty neat, female and also one hell of an athlete."

"Yeah OK, she is fantastic in a lot of respects and therefore a good draft pick I guess. But she is still soon going to succumb to Tech's influence on females and'll go

bananas."

"She's doing all right so far. She handles a lot of guys at once pretty well."

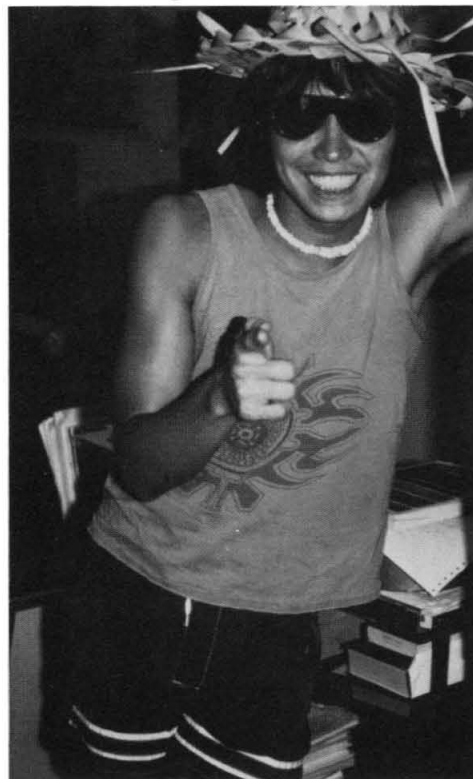
"Yeah, 'handles' them. She's probably had more experience in high school than most of these girls. Some of these have never even considered what its like to be the prime attraction to five or ten guys."

"Well, you know what they say: ninety percent virgin when they get here, ninety percent the other way when they leave."

"Hell, its probably ninety percent the other way after first term, or even frosh camp. It must be like a kid in a candy store. I personally can't imagine even beginning to survive if I were in the reverse situation. Ten girls versus myself, all of the time. Plus the academics. I say that they can't help but go nuts, initially, but what a formidable survival artist a girl will become if she actually does endure The Tech Ordeal."

"Kind of frightening."

"Damn Right."



I'm thinking a little about Jamie during the walk to the coffeehouse when I run into Benser. He produces his bong from this wild purple dress jacket and I accept.

"Just coming from Mitch's", I ask.

"Yeah, stopped to fill the coke machine though."

"Seen much of the party?"

"Enough."

I sort of disagree with this

impression but I don't argue. I'm pretty wasted by now and still very hungry. "Who's waiting?"

Francis and Werner. They've probably got all the lights on and the comic books out. Shit, I hate those things. Guys and otherwise reasonable atmosphere."

I don't see or hear much of anything until I get there and order the bageis and burger. Then, walking back to the main room with two candy bars in my shirt pocket, a bag of potato chips, cookies and a glass of milk I do notice every single customer has a comic book in front of their faces. Except Pui and Lynn; they aren't easily distracted anyway though.

Sit down by the fire and gloriously munch away on the Peanut Clusters, now totally at peace. Pleasure is great, I've decided. Nothing should stand in its way. Nothing, really. Hearing my name called brings me out of my reverie and I slowly work my way to the counter and the food. Resist the temptation to order a malt and then I wander upstairs. I can hear the TV and I find the room dark with a couple of unidentifiable people on Brotemarkle's bed; she's sure got large thighs though. They're making sounds of satisfaction so I crash on the couch in silence. Some rock concert on the tube I don't recognize. Remember the girl back at Page. I've gotta walk all the way back there? Shit. But I've got a half hour. Sure nice here, kind of warm and dark and cozy. I'm so stoned I hardly notice the end of the cheeseburger or when my head hits the cushion. Hear a soft long moan and I smile as I close my eyes. Everything's all right Alex, if there was some reason to do anything but enjoy this situation you'd know what it was. Relax. Enjoy. Sleep.

Morning. God its morning. So soon. How do I feel? Dream? Yeah, she was nice. Feel pretty good, considering. What time is it? Guess around noon or one, the hour hand'll be at least straight up or to the right. Where's my watch? Oh yeah, on my wrist.

Something's wrong. There isn't any hour hand on my watch. Ther's no hand at all near the twelve or one. There's a couple of hands pointing down though, like towards the six and seven. The thing's not upside down. I don't understand. Is it seven in the morning? I shouldn't feel this good, but seven at night? I was supposed to go to the beach;

Jamie was going to drive us out there, although noone would probably find me here. There's noone in this room.

This is neat. I really don't know what time it is. The sky is overcast just right to be either early morning or late afternoon. There are no cars behind this place in the parking lot. This would be true at either time though. What can I do? Turn on the radio, wait through Manfred Mann's Spirit in the Night, Mary Turner comes on. No announcement of the time. But is her show early or late? I can't remember.

All right, the hell with it. My watch is a day-date self-winding model. Pull the watch off my wrist and pull out the crown to move the hands ahead. Eight o'clock, nine, ten and eleven. The suspense is actually mounting. This is really exciting. At eleven forty-five I should feel the date change mechanism begin its action. I'm turning the hands very slowly now. Eleven-thirty. Stop and look out the window. No activity. Birds singing, but even this isn't particularly conclusive. Paul Simon is singing something I don't remember the name of. Go for it Alex, you can only stretch this out for so long. Eleven-forty, forty-five. Nothing yet. Eleven fifty, twelve and nothing. Must be noon on the watch. Whip through to one o'clock, then two. No date change at all. Beautiful. It's really seven in the morning! Great, I've still got a day ahead of me.



Mountains to Malibu

Rallye, 17 May 1977

"Well, I owe my sexual prowess to my well developed . . ."

"To your what?", jumped in Jamie, she had been engrossed in her driving and hadn't been following our somewhat ridiculous conversation. Until now.

"I was going to say my well developed perception. I think I realized early what the style of the women here is and adjusted accordingly." I also think that this conversation is getting me into trouble.

I like to tell this story and, hell, it'll probably make Jamie horny enough that we can put that air mattress to use. "It was the second or third week of school. I don't really remember the names of the people, but it was upstairs, outside Ed Rea's door. All I heard at first was a lot of screaming, male and female, so I strolled over very coolly to take a look; curious frosh that I was."

"And there were a pile of people on the carpet, you know the group. I assumed a showering and got closer, you know, to see who it was and if it needed any help. Besides, there were three upperclass fems in the group, it could be fun. But I couldn't even tell who was going to be showered until I noticed that noone was; this was some strange sort of upperclass ceremony: an orgy with clothing. Anyway, I backed off to an open doorway to watch this without affecting the observed."

"Well you certainly were a determined voyeur, Alex", Jamie said, "I don't think I could have stayed around and watched, knowing that . . ."

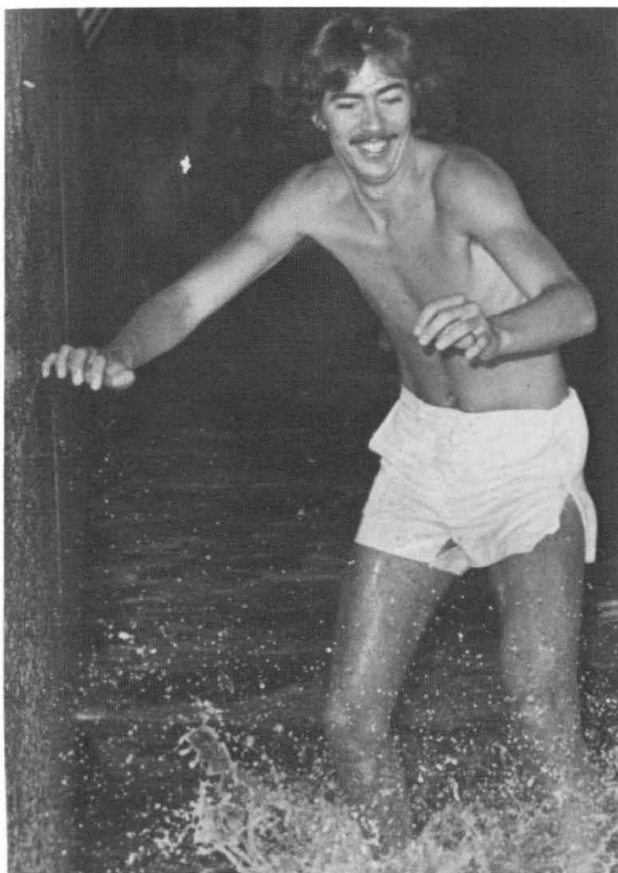
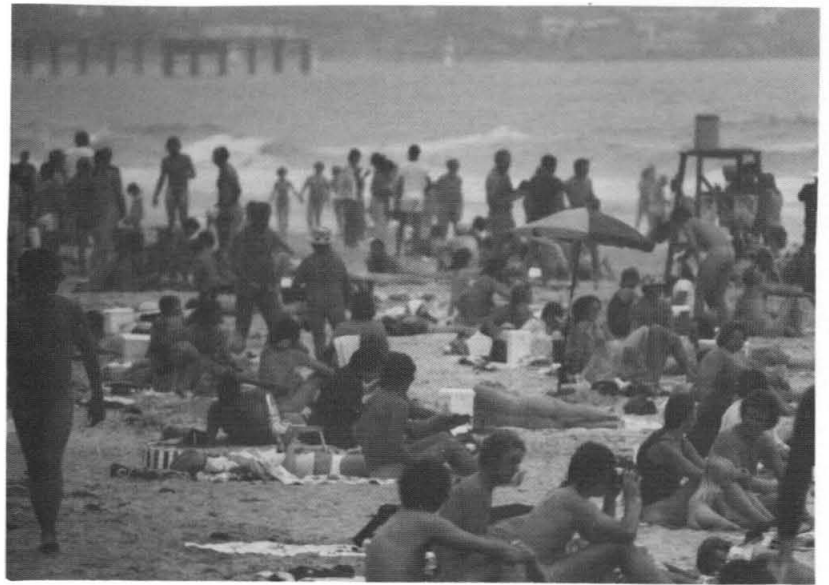
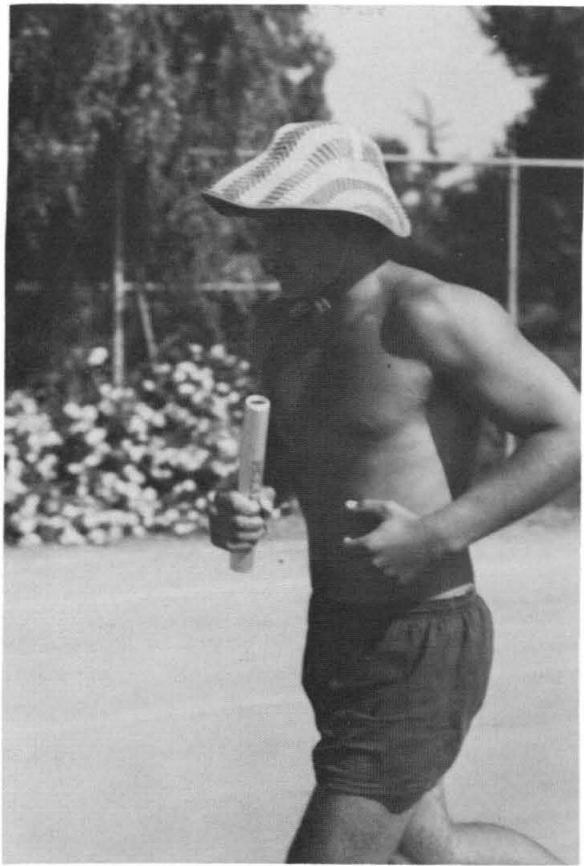
"They weren't really paying much attention to me, Jamie, but if you think I was a voyeur then, you should've seen what was about to happen. Erect nipples began to show on one girl; right through her 32 brassiere. Hell, not only did all of

the guys have hard-ons, I suppose I would've also in that situation, but I found a feminine hand deliberately massaging one. I was trying to trace back that girl's arm, she did have a lot of style, when the lights came on under Ed's door and the group disentangled, somewhat slowly to my amusement, and the door opened."

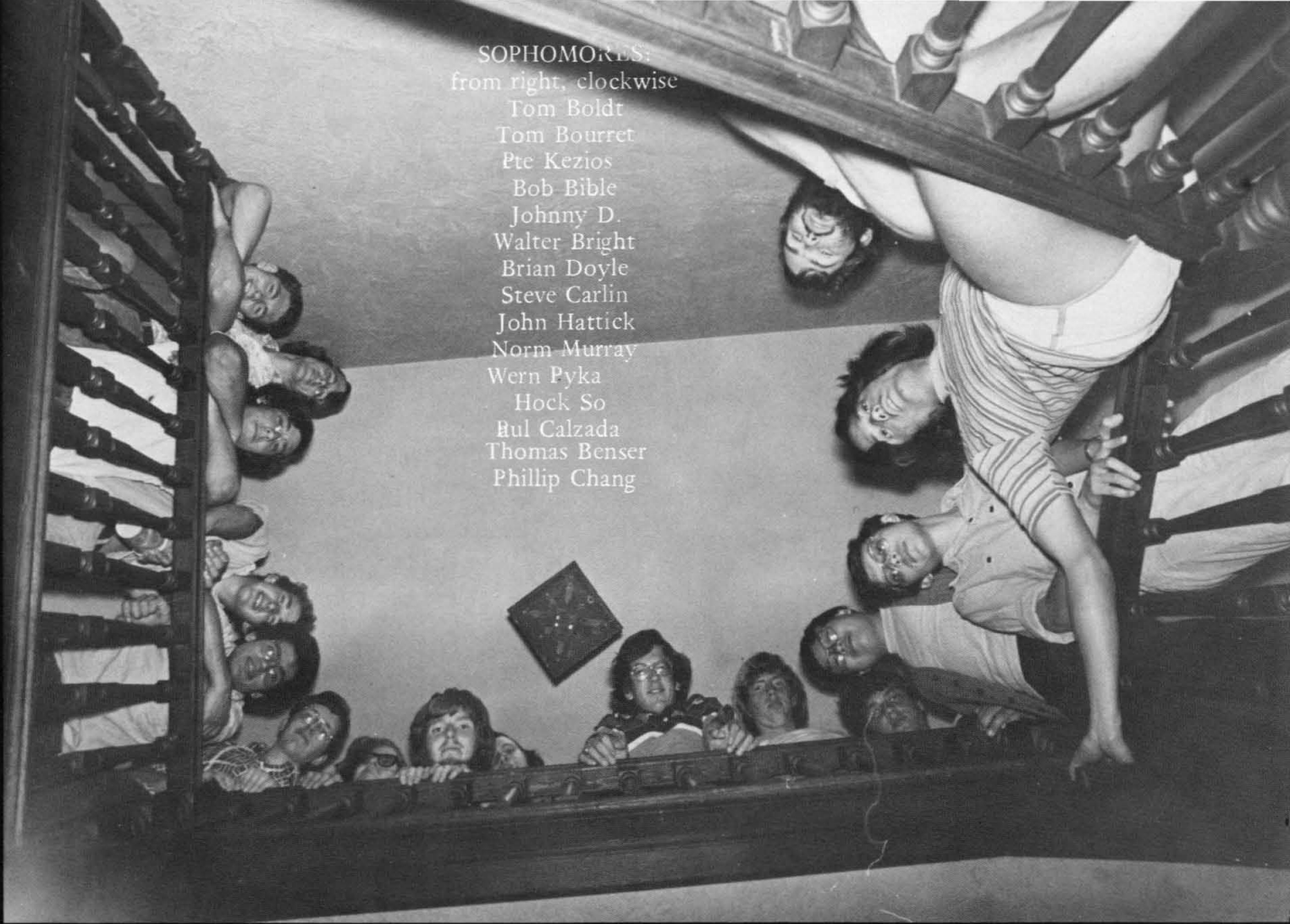
"Becky poked her head out to complain about the noise. She blinked a couple of times and requested a relocation of the activities. It was great, her hair was about as frazzled as the rest of the girls. But I guess she did scare that guy out of coming in his pants."

"Good story, Alex, but that doesn't happen much anymore", Joe countered.

"Ah, but just because that group dispersed into twosomes that night doesn't mean the mood has changed any. It's still more or less an orgy, but it happens slower now, being only one on one instead of five on three."



SOPHOMORES:
 from right, clockwise
 Tom Boldt
 Tom Bourret
 Pte Kezios
 Bob Bible
 Johnny D.
 Walter Bright
 Brian Doyle
 Steve Carlin
 John Hattick
 Norm Murray
 Wern Pyka
 Hock So
 Hul Calzada
 Thomas Benser
 Phillip Chang



JUNIORS: from right clockwise, Billy Newman Becky Hartsfield
 Walter Hess Francis Mukai Frank Univac Joel Okazaki Rich Gayle Ron
 Yamamoto Dan Rimkus Scott Hochwald Jim McBeath
 Hal Finney Carol Geller Joel Gunter Lisa Heinz Jim Yamamoto Lloyd
 Maxson Diane Ross





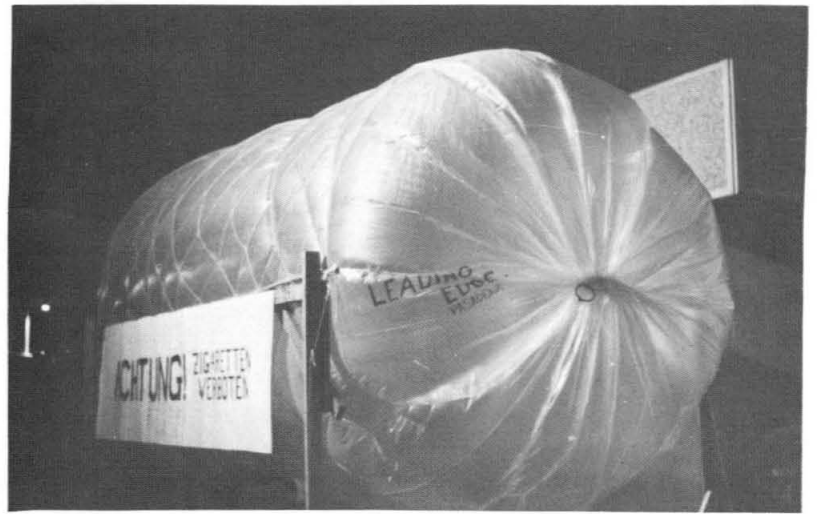
John Loo
 Timothy Brown
 Rich Pietrasz
 David Rolfe
 Doug Brandt
 Pui Lam
 Ed Rea

Steve Kellogg
 Bill Holland
 Leslie Peterson
 Bill McCown
 Fred Solomon
 Debbie Wilson



FROSH:

Clockwise from top; Boop Lozano, Dan Erwin, J.M. Gilliland, Vicwic Wickerhauser, Eric Peterson Gabee Babeo Lengua, Ralph Wonder Llama Pursiful, Goddamn Man Chan, Wabbit Brown, Susan Goldreich, Horsey, Edmund Lo, Peter Goldreich, Jeff Carpenter, Izzy 1224 Lewis, Paul de la Houssaye, John Hopeck, Lynn Hildemann, Mitch Wladowski, John Goree, Tom McCabe, Eugene Loh, Armando Macedo, Eric Worrell, Eric Goldreich, Glen Hermannsfeldt, Laurie Crain, Jay Hellinger, Anonomous Bonhamous, Dennis Kato, Doug Freyberger, Bili Pondwater Gould, Wrists Marcadis... ain't he the stud.



"Blimp, what blimp?" Tom said.

"You know, that big round thing that I saw-, at least I thought I saw," Bill mumbled as he scratched his head, "there was a blimp right?"

"Yeah, there was a blimp."

"Ya see, I told you. I thought I saw something cruising around the third floor of Millikan the other day." Bill's face lit up as he realized that this wasn't one of his usual or unusual hallucinations. "Weren't you going to fly it-," he stopped suddenly and looked over one shoulder and then the other, "well, you know where."

"Yup, but we had some technical difficulties."

"Oh wow, really!", he said as he fumbled through his pockets and pulled out a gross looking piece of gum. It looked like Juicy Fruit. "Alright, I found it!" he exclaimed as he popped the treasure in his mouth greedily. The smile that ensued was that of the munchies truly satisfied. Finally getting back to the subject at hand he said, "So, what happened?"

"Well, we had a problem with our timing."

"Timing, huh," he paused, "I thought that you guys had that all figured out."

"So did we, but we didn't plan time for arguing."

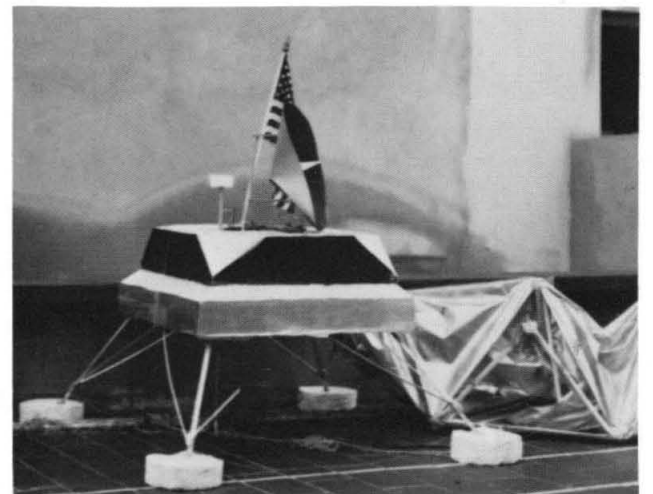
"Oh.... What?" Bill said in stoned disbelief.

"So when the time came to go we didn't have enough time." Tom checked to see if Bill was still conscious. "Hey man, that's a real bummer." he muttered as he chomped on the gum. "What are you going to do now?"

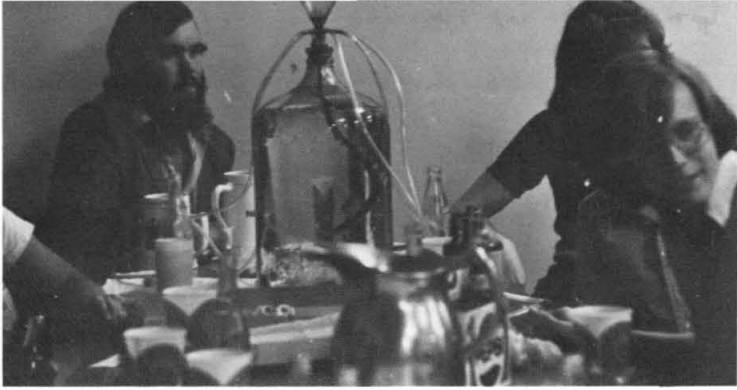
"Well, there's always next year."

"Yeah, I guess your right." He stopped in thought, something rare for Bill to do. "Ya know, you always could sell it to Goodyear or Goodrich or Good Housekeeping or someone like that."

"Sure Bill. Whatever you say...."

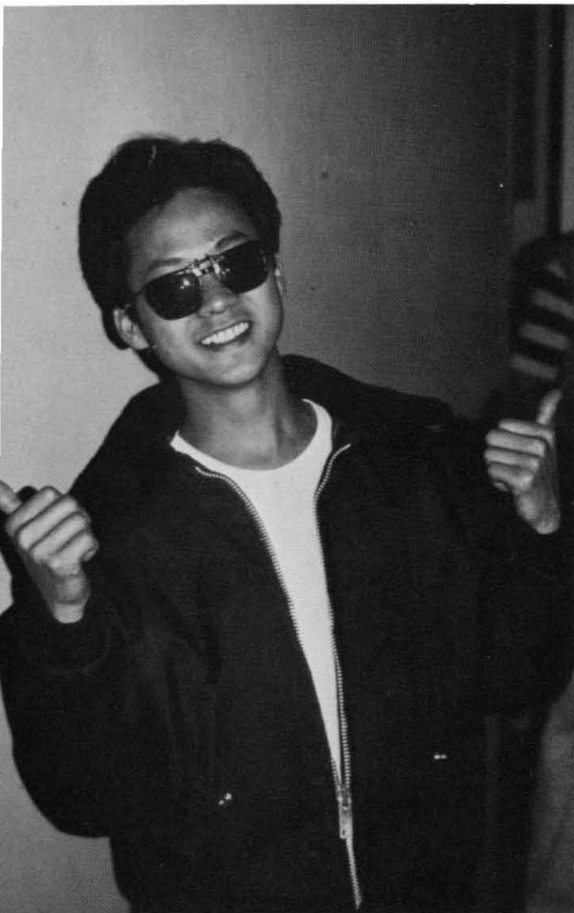


elections



Wern won, and so did Becky (but just barely) Wrist and Bonham got Treasurer and Secretary, Canin, Weiss, and Kezios became a social team. Yamamoto and His Gang will run the athletics.





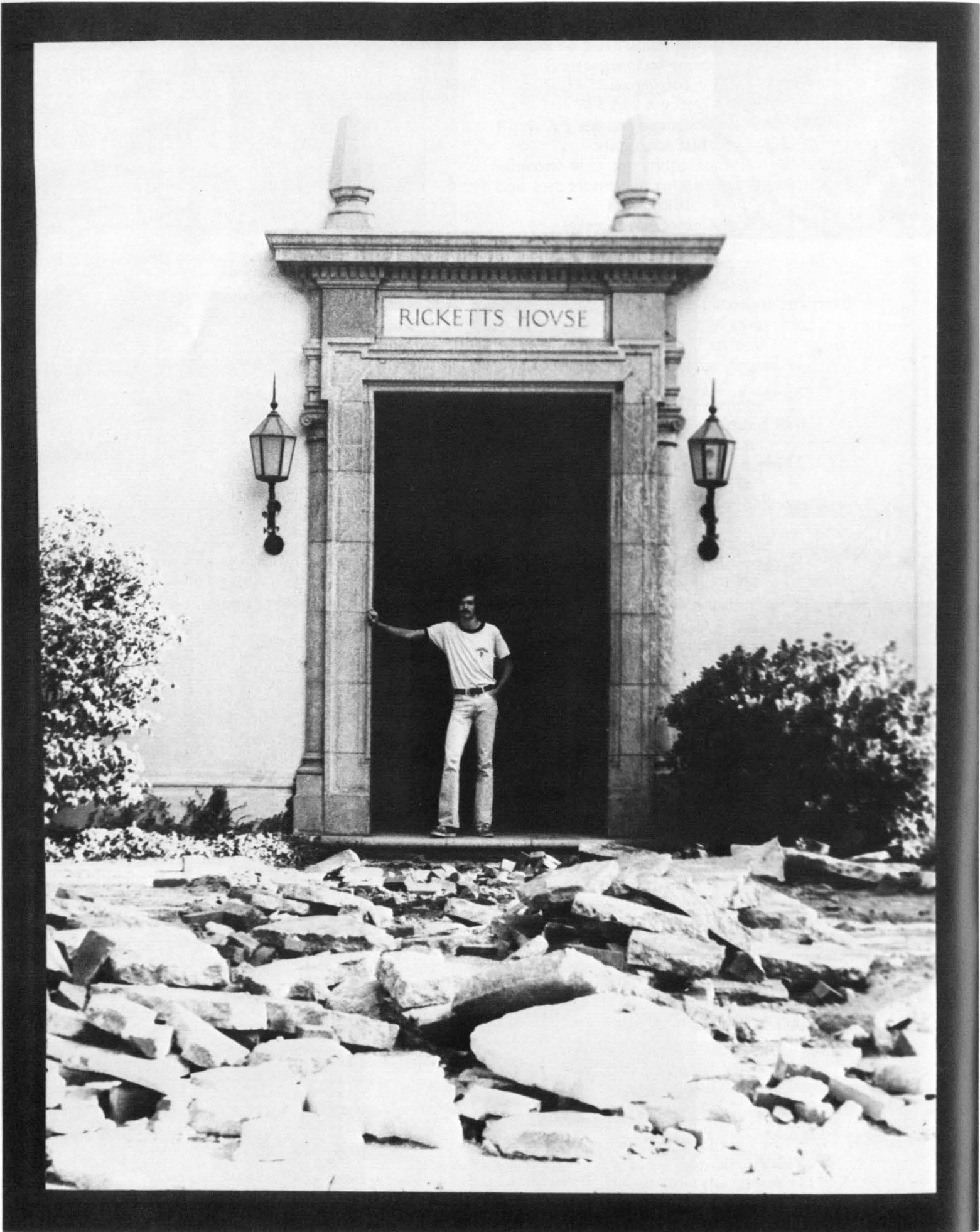
LIST OF SHIT THAT HAPPENED

Baskir got showered
 Someone was named most obscure frosh
 Benser smoked some dope
 Lisa giggled
 We had a party
 Blach X's started appearing on some doors
 Mitch got laid
 Someone won the winpy roommate contest
 Loo lost interest in rotation after one pick
 Ezy smiled
 Bourret ran some laps
 Soto challenged the house
 Gould met the pond
 Benser smoked some dope
 Brotemarkle finally found a six-foot girlfriend
 The Coffeehouse ran out of everything
 Tim Brown was still around
 We had a party Lisa giggled
 Phil cut his hand
 Bart moved off campus
 Bertshinger lost God and found Baskir
 Cokes went to 35 cents
 A Datsun got driven off a cliff
 The house had an election
 Bible found a pair of water balloons
 Canin lit a match
 Benser smoked some dope
 Solomon shot some pictures
 Someone drank some beer
 Wern, Becky, Wrists, and Ben didn't get showered
 Nearly everyone missed the third annual D.P.G. Beatty Memorial Chili Fest
 Johnny D. sold his bike and his soul
 Dorothy Hammill played Long Beach
 Holland lent out his car
 Becky got pissed and resigned
 de la Houssaye became a household word
 Proops left
 El invited Becky to a baseball game
 Loveman had a birthday
 Oranges were thrown upstairs
 Wakai visited
 The excomm put it to a vote
 We had a party
 San Diego remained the ultimate paradise
 Farrah Fawcett excited
 The Excomm met
 The Ride
 Some good 'ol traditions died
 Canin and Norm and Gayle had a hell of a birthday or two
 The girls (and victor) won the house another microwave
 The house went to Disneyland and Leila's sister too
 Alley surfing
 Second term house list came out
 Interhouse had a bilimp
 Carlos got a car
 Rugby
 San Marino Steeplechase
 There was a parade on New Years
 A Blimp sank into the sunset
 The house supplied the twenty-four hour relay
 Interhouse was a blast
 Page-Fleming was a blast
 Again also
 A party formed in the library
 They didn't let Joe finish



Photographers:
Gregory B. Bone
Donald B. Brotemarkle
Daniel B. Canin
Richard B. Gayle
Stephen B. Kellogg
Jonathon B. Loo
Kevin B. Proops
Edwin B. Rea
Frederick B. Solomon





In the beginning there were frosh. Hordes and hordes of them, crawling out of everywhere, until lo! unto the first day of rotation, when the place seemed to be overrun with them. 'Twas a pain.

And it came to pass that upon the seventh day of rotation, Ricketts rested; the chosen few were quietly taken aside, shown the tricks of the trade, the inside of the shower, and entered the promised land as SCURVES.

—from the Gospel of the Sacred Fuse
Saint Poelod

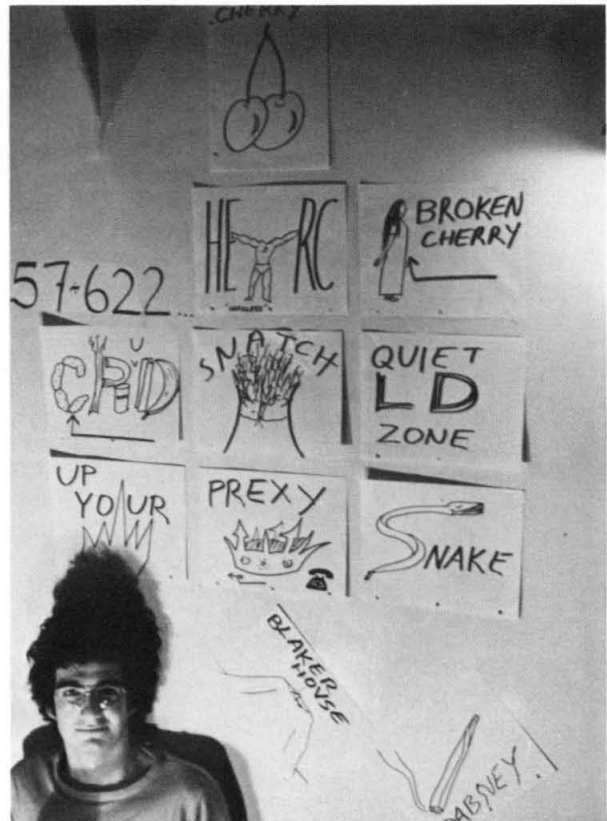
So the year began with a fairly nice, albeit small, frosh class joining Ricketts. But "Tech giveth and Tech taketh away," and like rats deserting a sinking ship, Scurves left: Harriman, Kolodinski, Daniels, Hancock, Schumacher, Berkley, Larrabee, with Dave Sivertsen, lost for a spell. We who stayed started the year off by giving Russ Reder the gong, and thus turned Russ into one of our cleanest frosh.

First term started with a dramatic change in the appearance of the house. That center of house life, the pot, or rather, the concrete blasphemy that was substituting for it, disappeared under a rain of sledgehammer blows. Alan Silverstein had managed to urn enough from donations, alumni and others, to have a new pot built. It was to be about the same size and shape as the old pot, but sturdier, stronger, and invulnerable to fire. It was also going to be finished by ~~November Christmas~~, well, it'd be started by second term.

About this time, the brakedrum made its usual noisy appearance. It promptly became the sophomores', and the term finished with the frosh holding the new record for shortest pile lost.

Sometime after the pot was (supposed) to be finished, Interhouse notices went up. After much soul searching ("Why can't we do Nazi Germany?"), Scurvia decided to host Novemberfest, and very quickly tables were moved into the courtyard, Apache tablecloths were resurrected, and beer and cheese were served. (Only Paul could feed the multitudes on 5 loaves and a 6-pack.) Scurves in German costume and non-Scurves without danced to the music of the soon-to-be-world-famous Ricketts House Oompah Band, who played for a nominal sum. All that, and the imported rain, made Novemberfest *ausgezeichnet*, or for our Aussie friends "a jolly good show."

Our frosh R.A.'s, Dave and Sheila Crewther, tried to bring some civilization from the outback of Australia to Ricketts. (Read with an Aussie accent.) they had some small success; at least, more Scurves drink wine now, a few have tea with dinner, and this became the Year of the Sheep. They also established themselves with some fine alley dinners.





Second term began shortly (too shortly) after first term ended. Timmy Van Eck took over as gong keeper, and was christened "wetttest frosh of the year." The frosh began to come into their own, although they lost two more piles in record time. Radio Free Ricketts came back as station KDEI, and the frosh began to surl back to the upperclassmen. Snatch became a frosh alley, and, with the return of water balloonery, became a dangerous place to walk.

The high point of second term was, of course, Apache. It was, as usual, Apache; not much more can be said. Those who went know what it's like; the rest can just suffer.

Sometime during second term, Ricketts was invaded by men in overalls, who left behind them the new, fireproof, invulnerable pot. There was, of course, a pot fire to celebrate; frosh learned and others relearned the joys of sawdust fireballs, and the pot got its first cracks.

Other changes came over the house. A new, working TV appeared in the lounge, to the delight of the house Trekkies. Rocky and Bullwinkle came back, the clock got fixed, and JDH almost got the dragon finished. The Master's office made some noises about refurbishment in general; we'll believe that when it happens.

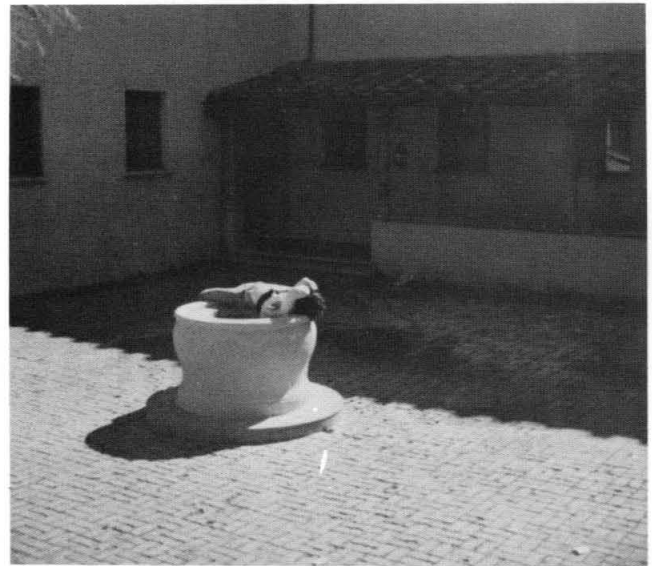
Elections were held during second term. One of the Morriss' won the top room pick in the lottery; the gory details are recorded elsewhere in this section. And with that, second term drew to a close.

Eric Holstege got the gong for its final term. Not much of interest occurred until "that" day.

PCD was marked by many things. Mike Malone Pushed for the record (102 seconds). Blacker finally responded to us with an orgy of orange throwing and fire hosing; Flaming was ignored, but ambushed us in Page anyway. And for the first time in several years, Ricketts penetrated Ruddock; they should have their new window soon.

We finished Interhouse and Discobolus in our inimitable style. In our other athletic endeavors we won a moral victory against Fleming in a beer challenge by keeping it all down. Tray ball took over for foursquare, due to the lack of inflated foursquare balls. The Athenaeum lawn water fights ended with Prexy 5, LD 3, Up Your 1.



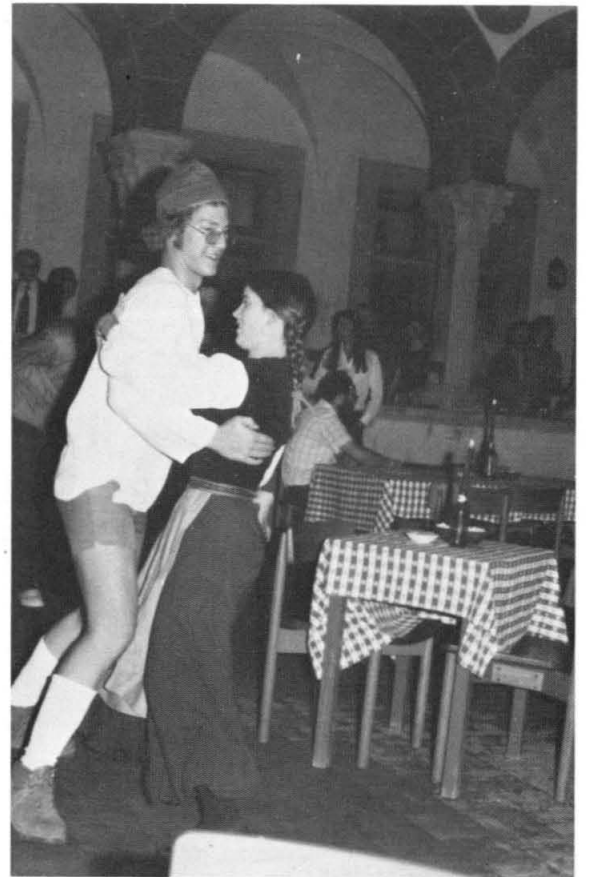




INTERHOUSE

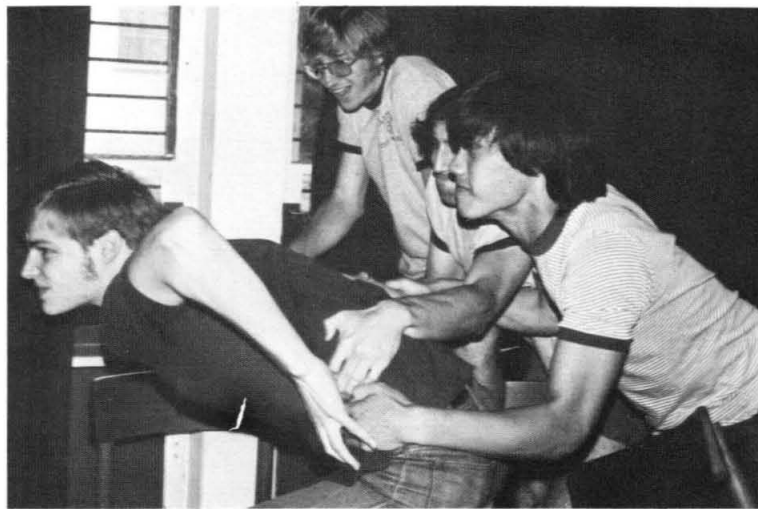
AND

APACHE



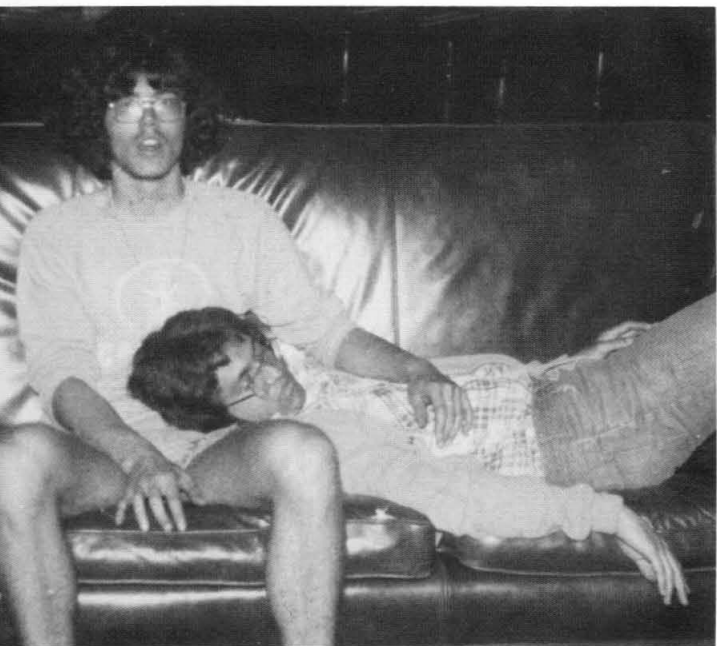
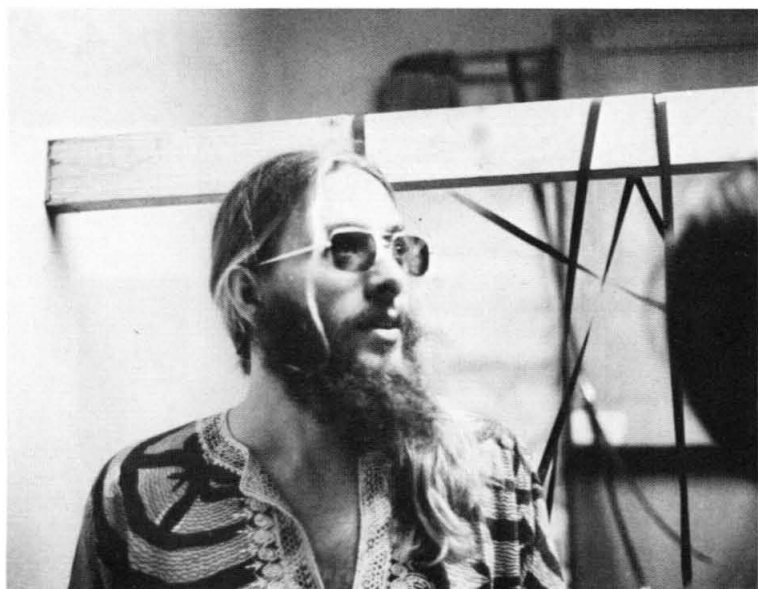


Now you see it...



...Now you don't

By the second pile of the term, the frosh had learned to fight; they won a 32-minute marathon against the (vastly) outnumbered sophomores. They still managed to not get the point, since, by an amazing set of coincidences, concerning E.J. List and Nelson Lee, Pat Moran discovered the brakedrum under Jim Jensen's bottom drawer, and got away with it (with some assistance, of course). After an aborted attempt to buy off the frosh, the sophomores won the next pile in twenty minutes. The last pile was won in 8 seconds by Paul Magliocco and Rick Morris, who apparently re-hid it under Jim Jensen's



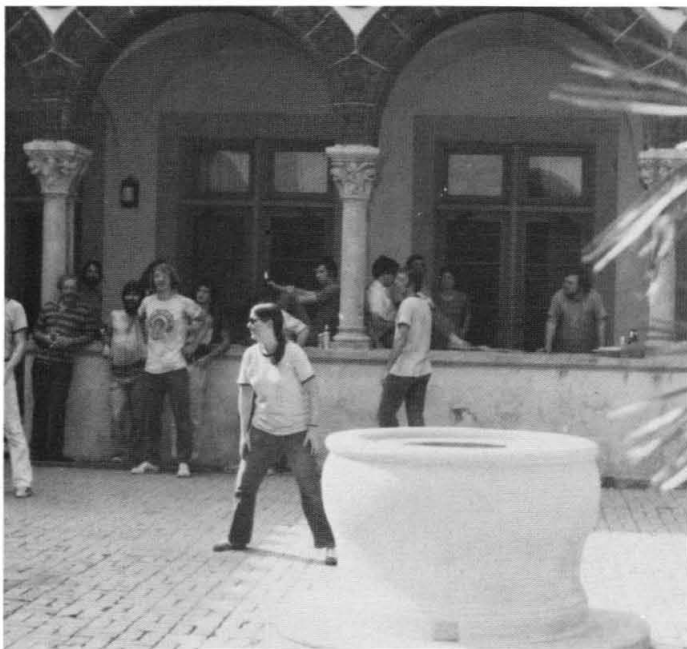
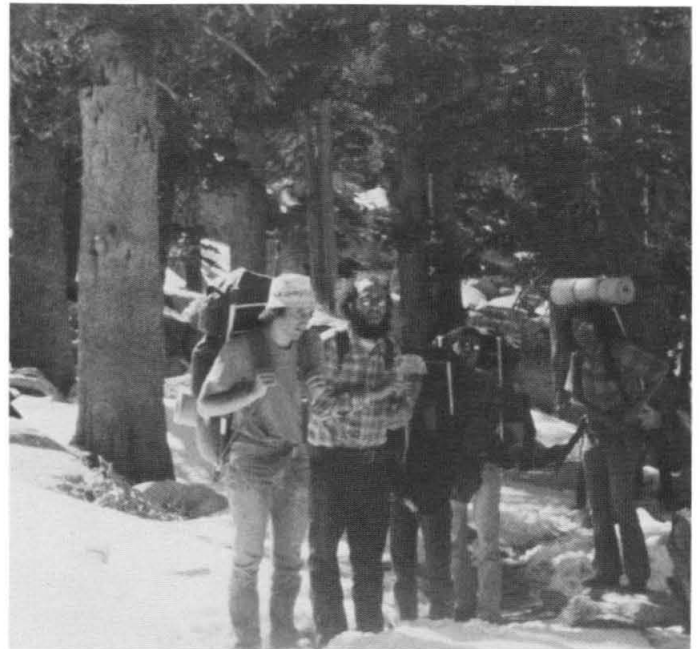
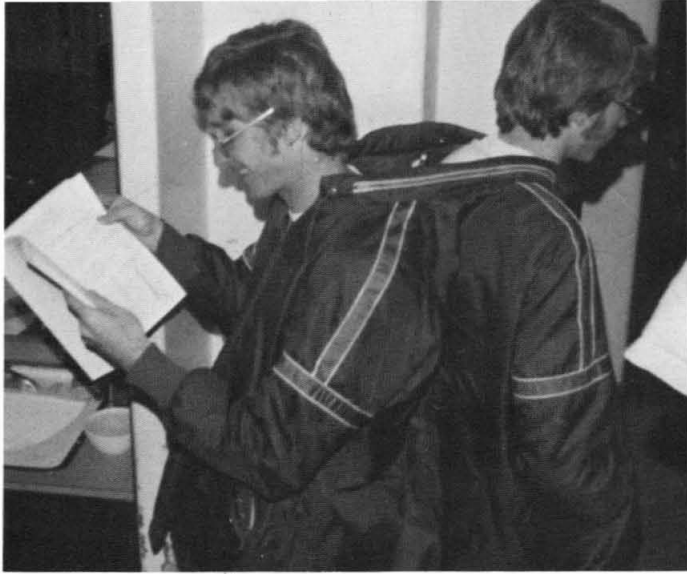
bottom drawer, where it was found again and auctioned off by the Caltech Y lost and found for \$5.25.

Ditchday showed up again during third term. The large number of stacked seniors kept us in munchies all day. Most stacks were brute force, including the Silverstein-Kjelgaard "It'll take 'em a week and a half"—"supposedly finesse" tack that failed. Jim Howard kept Magliocco running around most of southern California, until he found the key under the carpet at the end of Crud. All of the stacks were broken by 1:30 PM.

Finals week was enlivened by "Star Wars," in-class 95 finals, . . . As some fifth year seniors graduated, and some fourth year seniors didn't, the year fell ignominiously to a close.

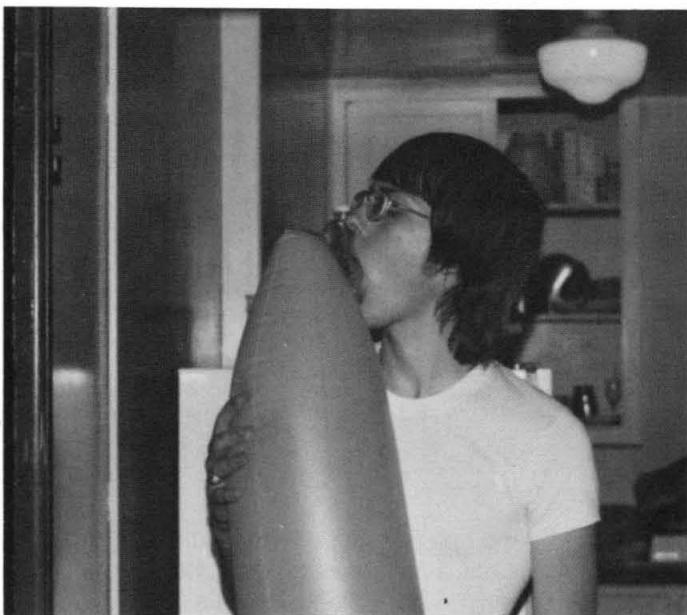
"In the end, there were no frosh. Just Scurves a much better deal."

—also from the Gospel of the Sacred Fuse



TRANSITIONS

PRES. Paul Mason → Ray Morris
V.P. Al Paeth → Paul Magliocco
SOCIAL V.P. Larry Mortin → Cora Hunter → Russ Reder
TREAS. Ray Morris → Jon Vavrus
SECRETARY Nelson Lee → Guy Miller
SOCIAL TEAM Rick Lye, Paul Magliocco, Tracy Larrabee
→ Rick Morris, Leslie Paxton, Jim Jensen
ATH TEAM Josh Rothenberg
→ Josh Rothenberg, Jim Jensen, Stanzi Royden
BOC REP Guy Miller → Steve Chaiken





FROSH UNDER ARREST— *Holstege, Reder, Concha, Brewer, Briscoe, Kendall, Bockenstette, Ferguson, Lomax, Jensen, Royden, Gardner, Bradburn, Rosener, Renckly, Ray, Van Eck, Campos, Brooks.*
ALREADY IN JAIL— *Ritchie, Smith, Lawson, Ruby, Ellis.*



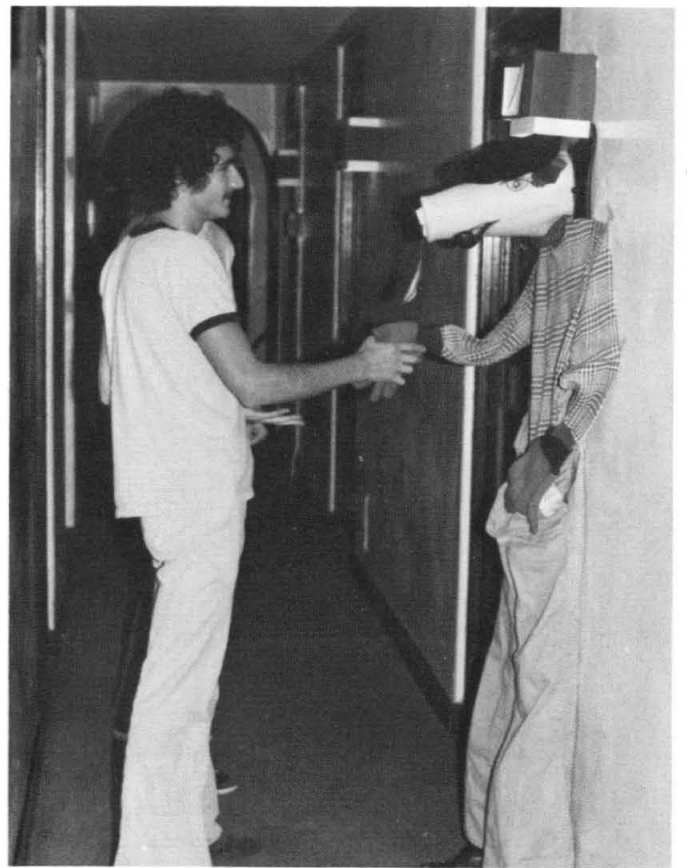
SOPHOMORES ESCAPING— *Morris*, Magliocco, Hunter, Vavrus, Hodges, Chin, Moran, Shea, Mills, Reames, Greenlee.* **ESCAPED**— *Chiu, Miller, Shombert & Sartelle, Feinstein.*



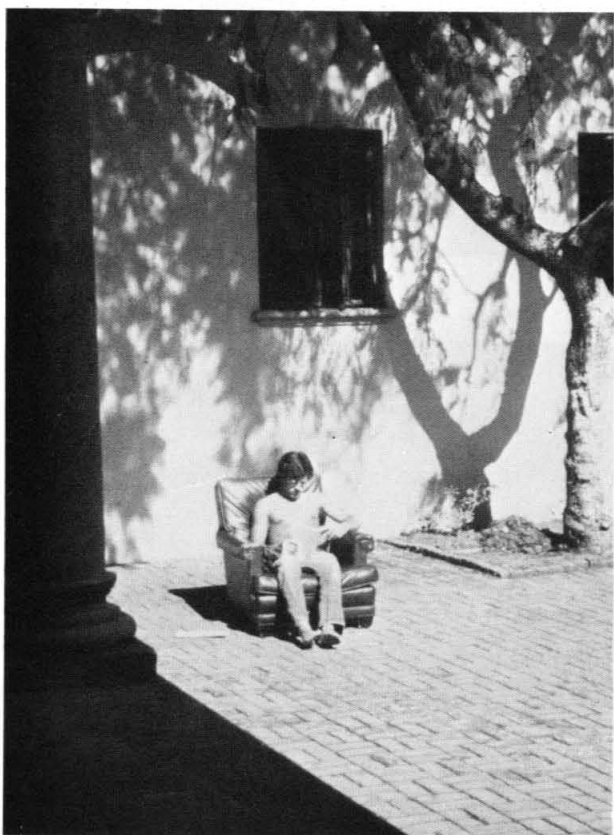
JUNIORS STANDING— Chandler, Wathey, Moreno, Funsten. SITTING— Morris(Ray?), Cisar, Pineau, Dermer, Towner, Sivertsen, Bodie, Walker, Lee. SLEEPING— Rothenberg, Paeth, Penrod, Tsang, Chan, Page, Hussain, Mortin, Clingan, DelValle, Lye.



SENIORS— Li, Harris, Howard, Arpaia, Mason, Chaiken, Whitmore, Simmen, Estes, Stabler, Gibson, Dart, Silverstein, Pryor, Schmidt, Chau, Lau. AU NATURAL— Kjelgaard PACKING UP— Brown, Gard, Miake, Pope. GONE ALREADY— Portis



A quick thrill

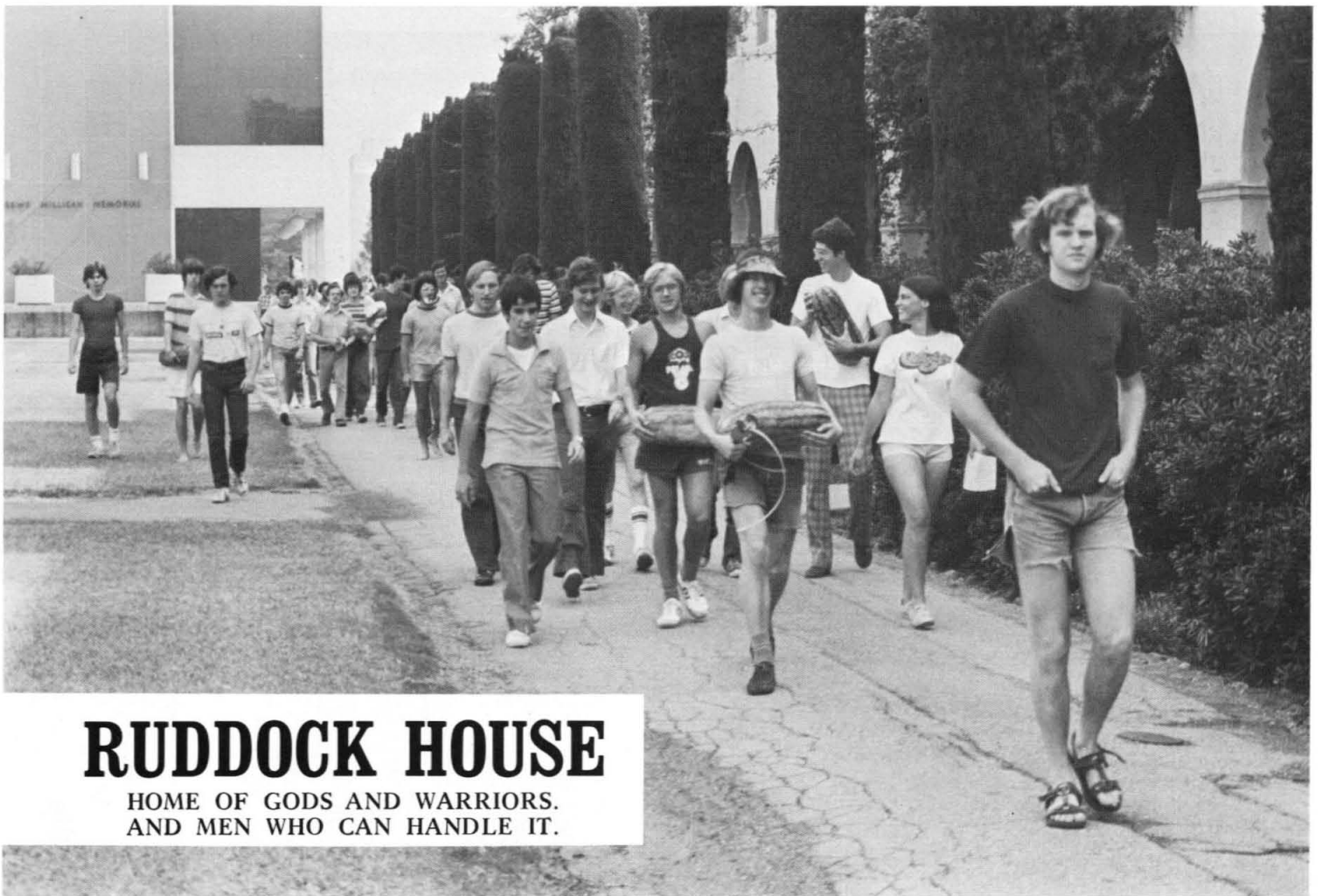


CREDITS

LIBRARIAN: Nelson Lee

Many Thanks to: Artie Hodges, Pat Shea, Dave Moreno

And Also: Ngaiman Chau, Sai Wai Fu, Steve Chaiken, Alan Silverstein, Tony Lomax, Mike Chandler, Russ Reder, Tim Van Eck, and all the idiots that were in our pictures. . .



RUDDOCK HOUSE

HOME OF GODS AND WARRIORS.
AND MEN WHO CAN HANDLE IT.



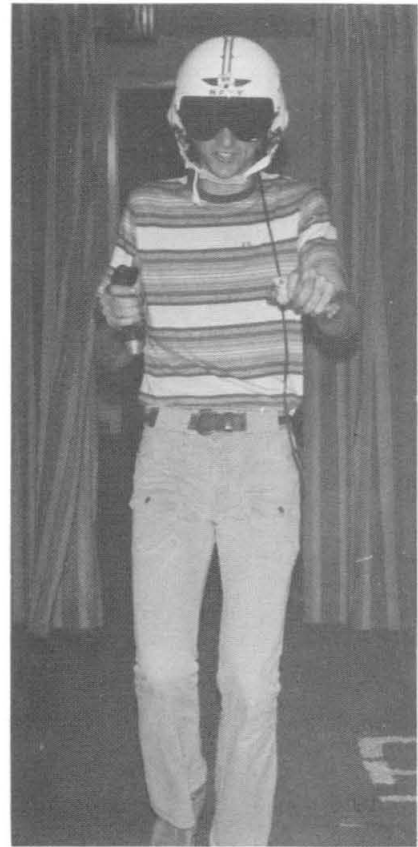
Gush demonstrates one of the Seniors' methods of dealing with underclassmen who wear cords.



Well, for *you* I might make an exception.



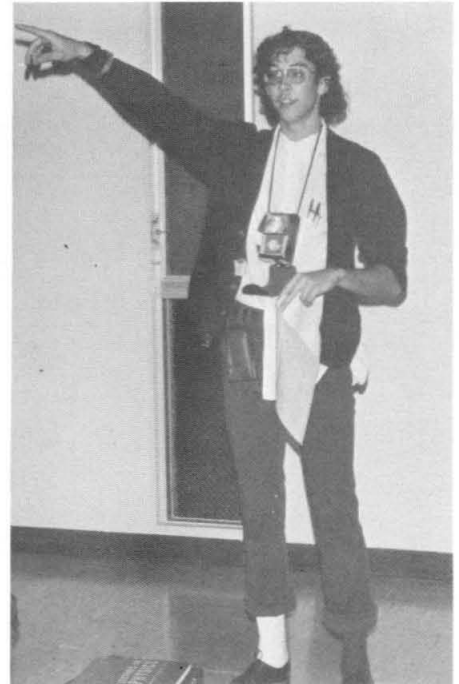
If I can dodge this last cinder block,
I might be able to escape from UASH!



Commander Bert: "I'll find my
lost planet BOD yet!"



I hope this new transcampus telephone cable works.



Observe this fine example of conservation of angular momentum resulting in the growth of the SEG.



This one looks like it's strong enough for mine.



Wait till the Scurves see *this* next year.



What? What an ass! . . .



The final must be in here someplace.



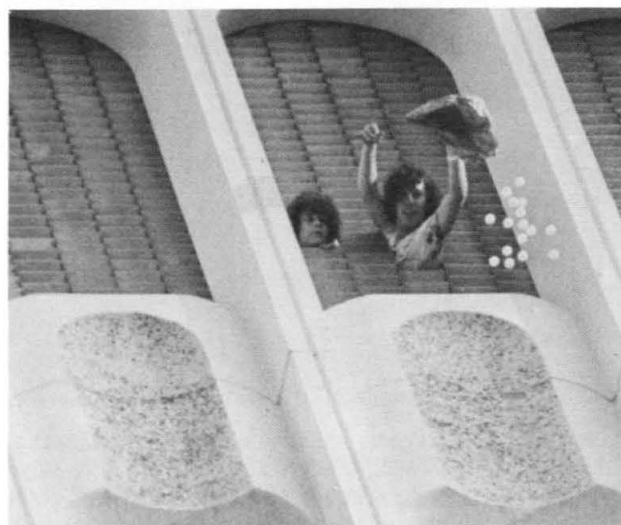
Put it away or I'm *not* going to play!



Didn't I see this someplace before?



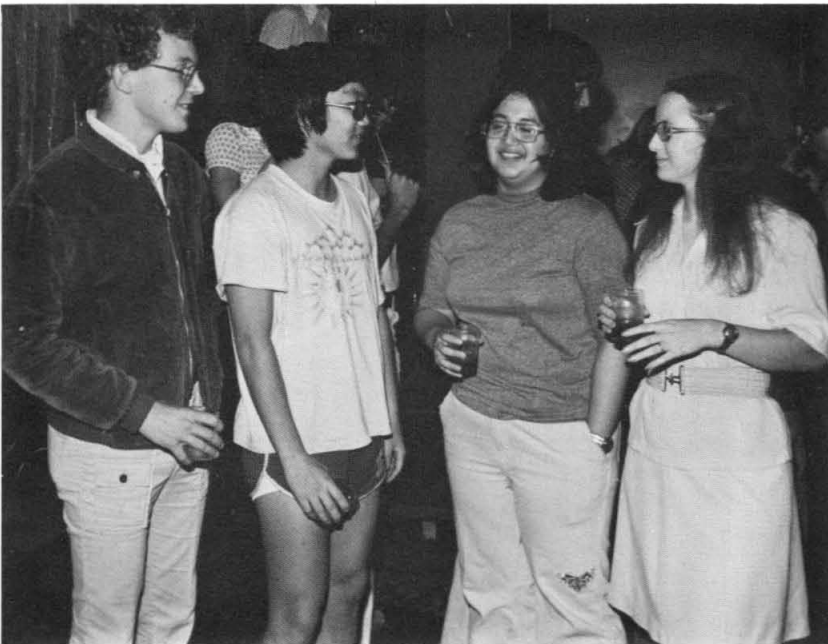
So that's how a sink works.



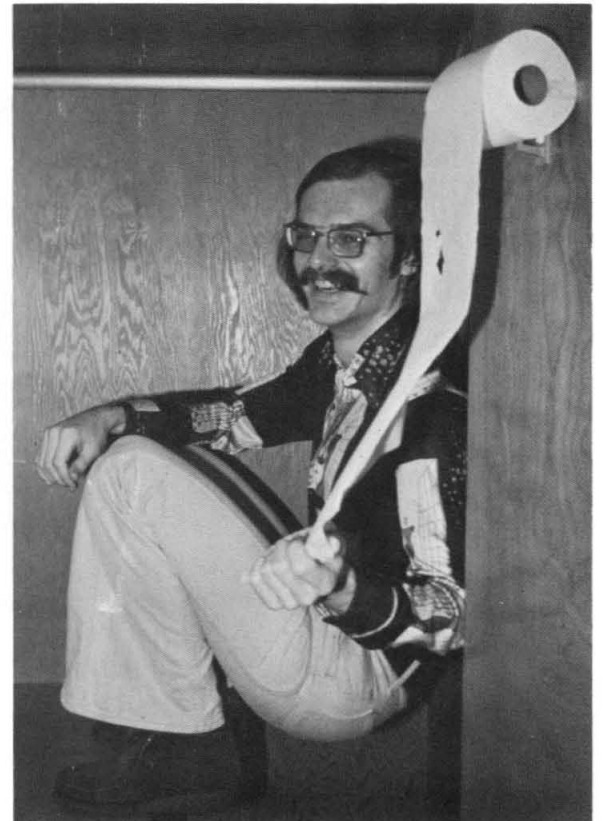
After four years, Feldman's balls finally dropped.



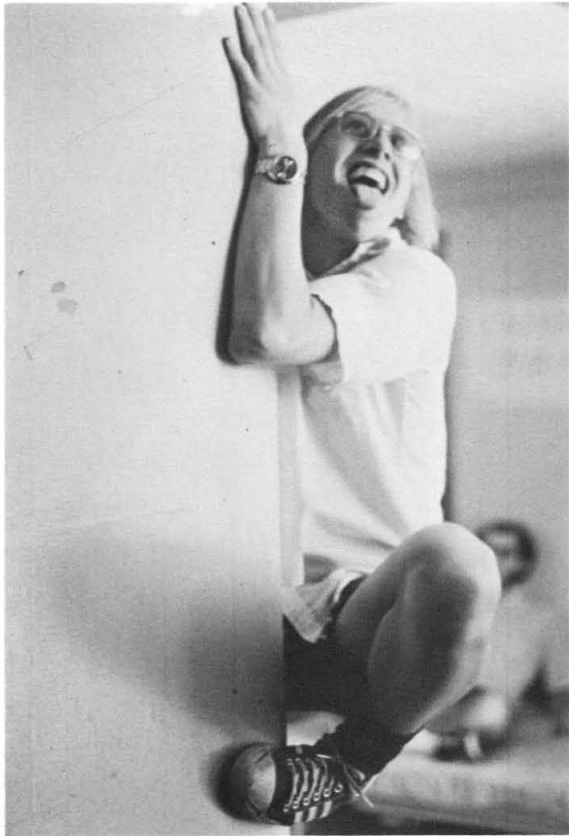
JUNIORS: (Left to Right) Miral & Ella, Eileen Roy, Sue Brazeal, Bruce Cortez, Yuri Owechko, Eric Kaler, Larry Best, Mikey Aziz, Chris Wheeler, Bert Wells, Kimo Yap, Dan Rader, Phil Engelauf, Tony Martinez; (Beyond the Ocean) Sandy McCorquodale; (Drowning) Gregg Brown, Warren Case, Peter Schultz.



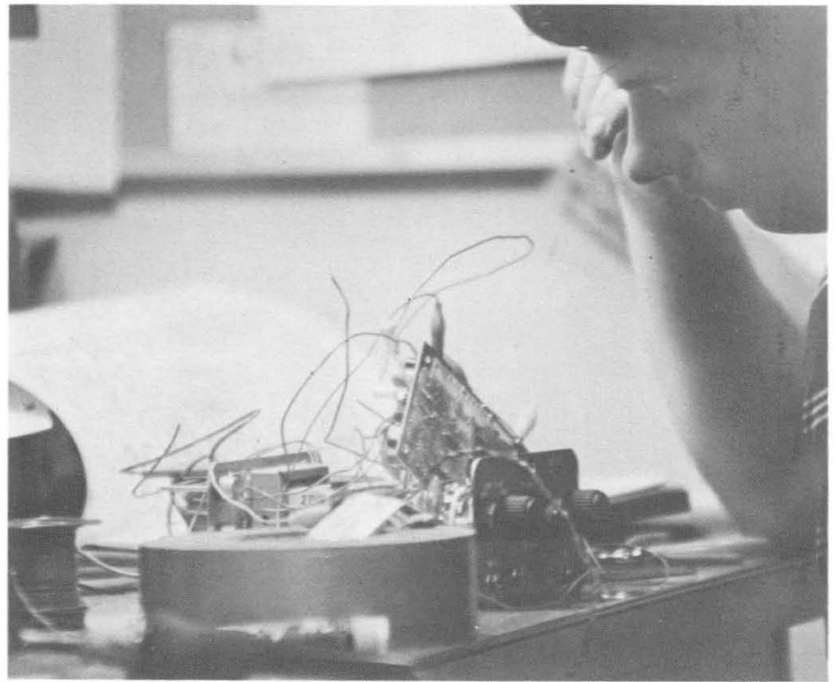
More Juniors: (Left to Right) Jim Swenson, Miral Kim-E, Marta DeJesus, Ruby Moore. (Missing) Leroy Fisher, Larry Seiler, Ella Wong.



Gang'll never get to the bottom of this.



Hanson finds a new, enjoyable method of repainting the alleys.



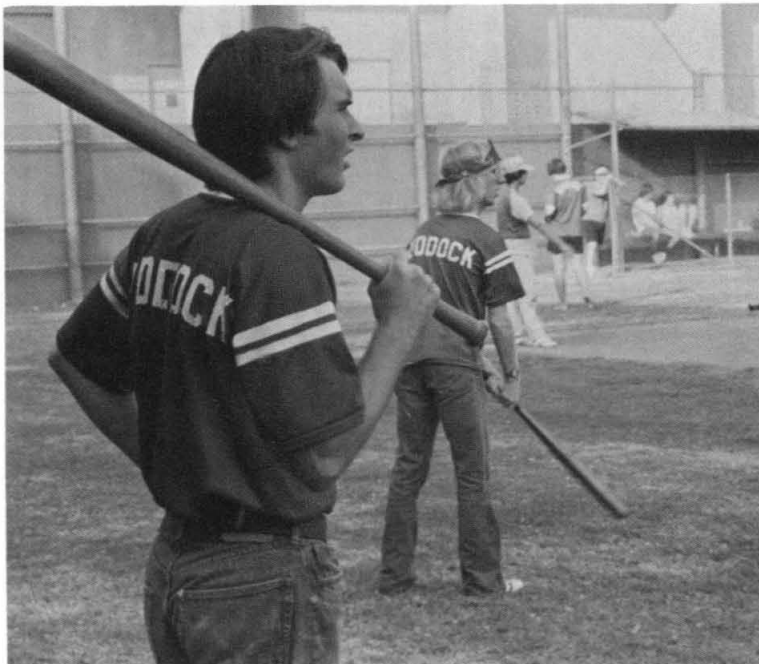
But it worked fine before I took it out to Mulholland Drive last night.



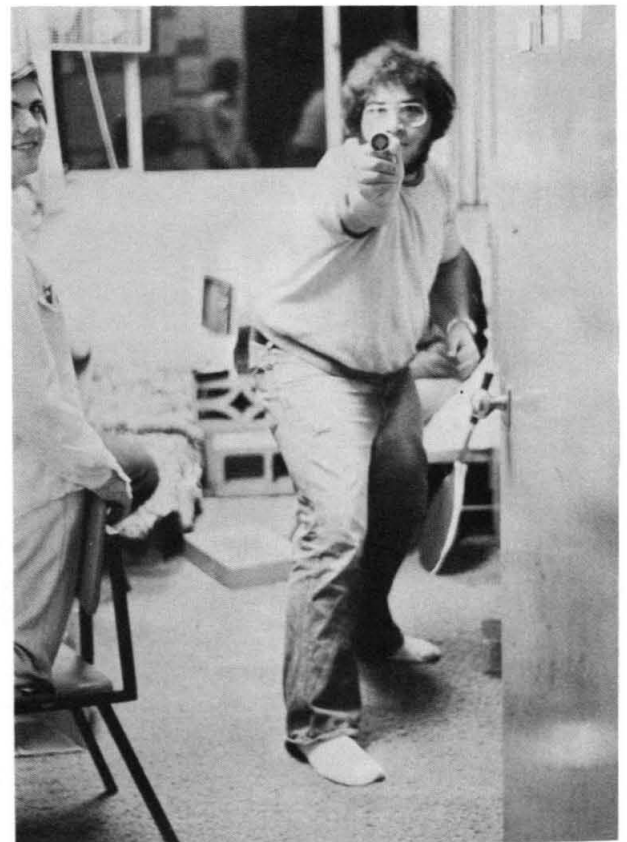
SENIORS: (Front, Left to Right) Judy Greengard, John Gustafson, Ann Orel, Eileen Reeds, Chris Broka; (Back) Al Nikora, Dick Beatty, Rich Feldman, Hugh Woodin, Eric Carter, Keith Jenkins, Larry Bridges. (Missing) Walter Beckman, Bruce & Cindy Casner, Ann & Dave Crocker, Tom Guthrie, Burl Hall, Steve Hurst, Doug Jones, Ed Kober, Kathleen Kong, Bob Linderman, Mark Swanson, Mike Wilson, Becky Winter.



SOPHOMORES: (Front, Left to Right) Peter Dewees, Rajini Yoganathan, Ajit Yoganathan, Ken Taylor, Dave Zelinsky, John Brooks, Dale Johnson, Stan Cohn, Tod Lauer, Mark Hall, Kurt Jechel, Dale Schultz, Pam Crane, Len Levy, Dave Wheeler; (Back) Al Kellner, Henry Fuhrmann, Kevin Berasley, Morris (Mojo) Jones, Bruce Gurney, Dennis Ferrill, Ernie Lewis, Mike Toney. (Missing) Rick Carlson, Bob Downs, Ken Kroll, Kolleen Matsuda, Geoff Sommer; (Gone) Bob Baylor, Matt Weinstein.



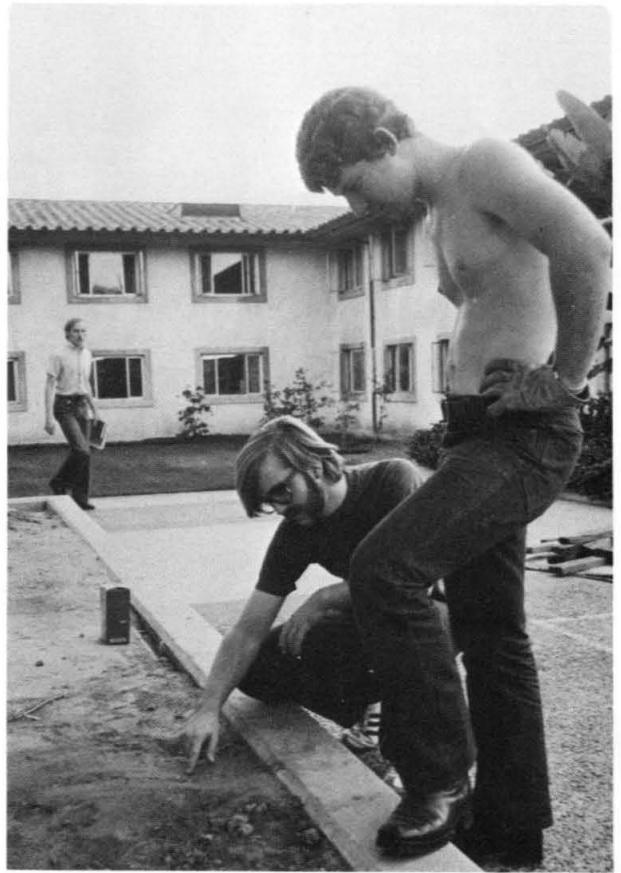
Personally, I think you should've used your 4-iron.



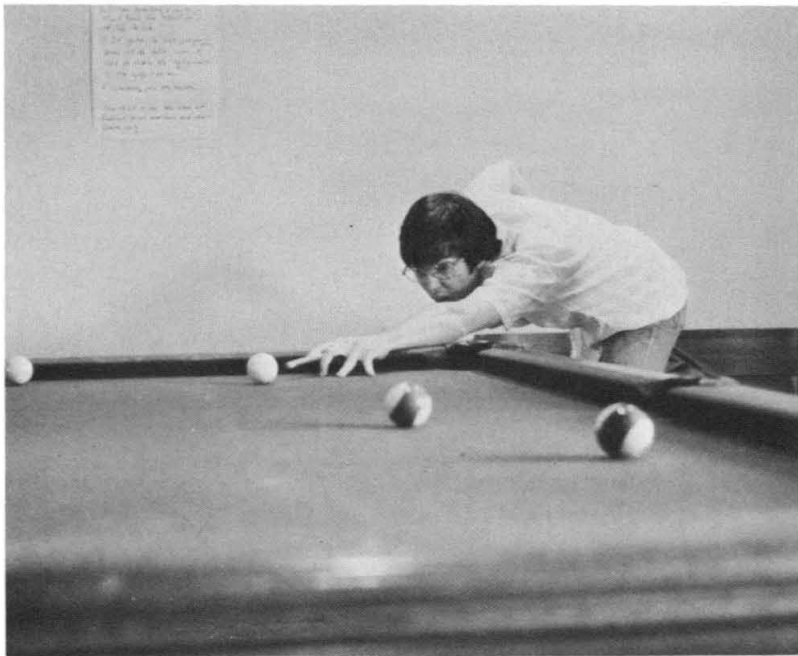
R2-D2 my ass!



Oh! That felt so good . . .



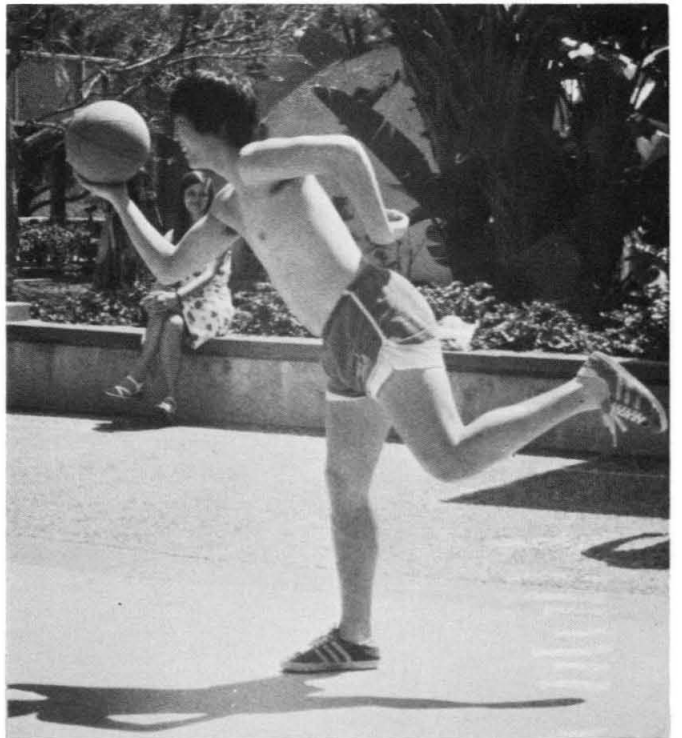
Preliminary results indicate this *is* dirt . . .



I'll just sink the IHC in the corner pocket, then . . .



Hi-Ho Adventurers!



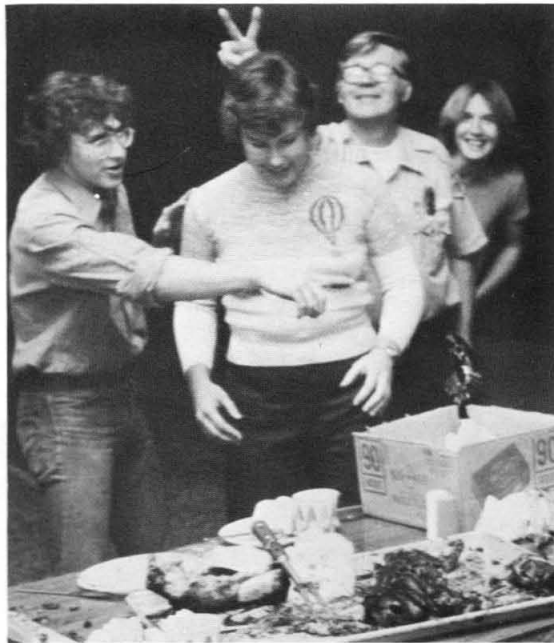
The Discobolus Trophy resided with us for a few weeks.



Late night troll sessions help many Rudds through finals week.



Security is a cold shopping cart.



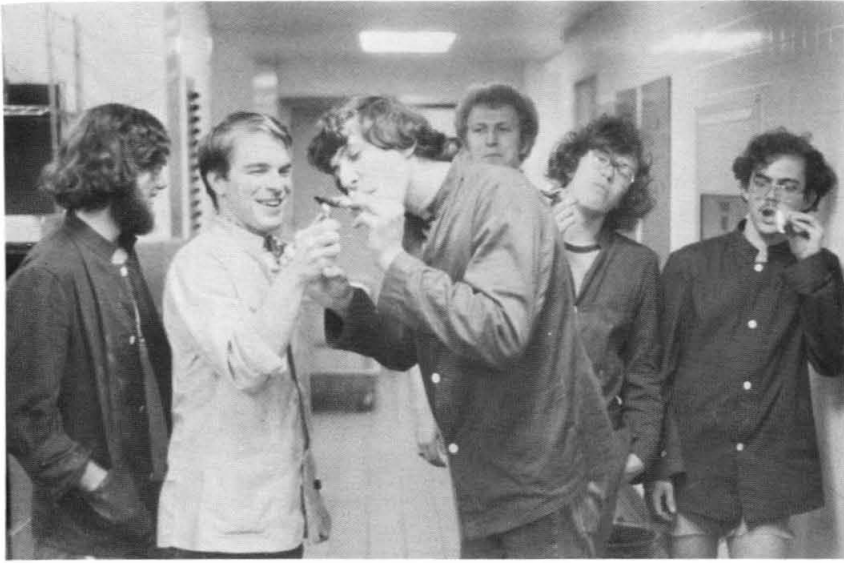
Look what *I* found!



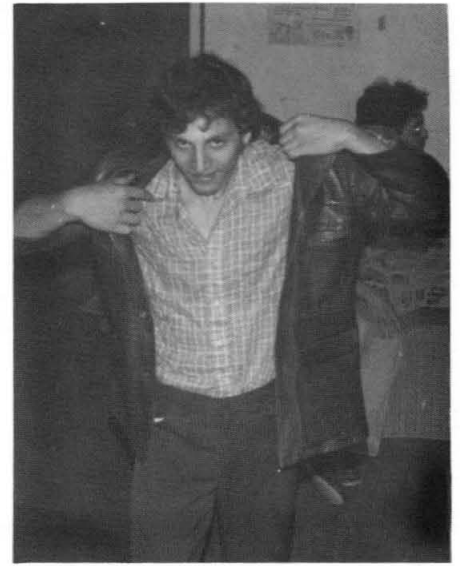
And one more thing—I'd like to see you all at the crap game tonight.



Shit! We both missed that girl.



Food Service never tasted so good.



And if one sophomore comes looking for his rocks, I'll take care of him.



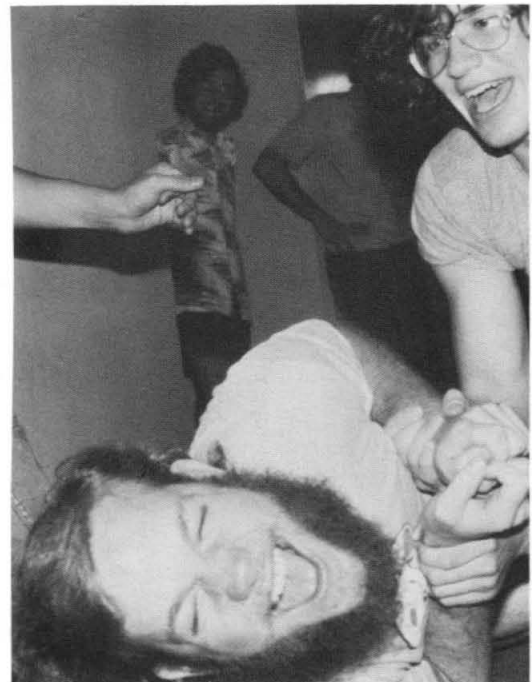
I twirl around three times, then I become Farrah Fawcett-Majors.



Didn't I see him on campus once?



The Odd Squad. Three young men torn from idyllic childhoods and educated in the brutally cold realities of life amid the Rudds . . .





FROSH: (Top Branches, Left to Right) Mitch Rotter, Kreg Martin, Dan Huntington, Mark Gubrud, Jim Fruchterman, Eric Nickell, Jack Bennett, Scott Carter; (Lower Branches) Dave Shafer, Tom Howell, Scott Devore.



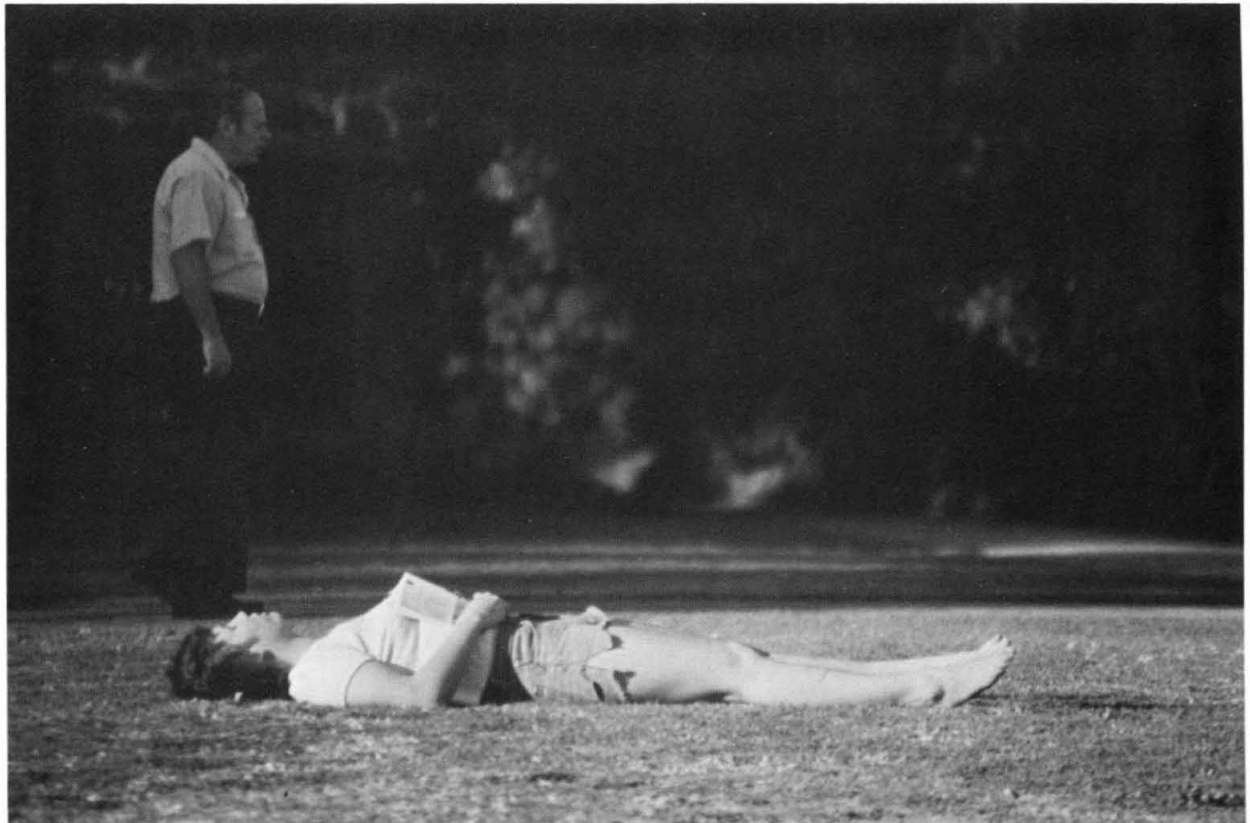
MISSING: Tim Ayres, Ken Britten, Al Cocconi, Phil Cormier, Pete Damron, Kent Daniel, Doug Ericson, Bill Gross, Ken Herkenhoff, Brian Hill, Josh Levin, Chris Peterson, Conrad Silvestre, Mark Silvia, Laura Wesson, Barry Wilson, Lori Winkelstein, Joe Zasadzinski; (Clowning Around) Chuckles Kahn.

MORE FROSH: (Left to Right) M. G. Finn, Kevin Drum, Mike Spreitzer, Courtenay Footman, Jon Fong, Dave Joseph, Tom Loughry, Kerin Thompson, Bob Arendt.

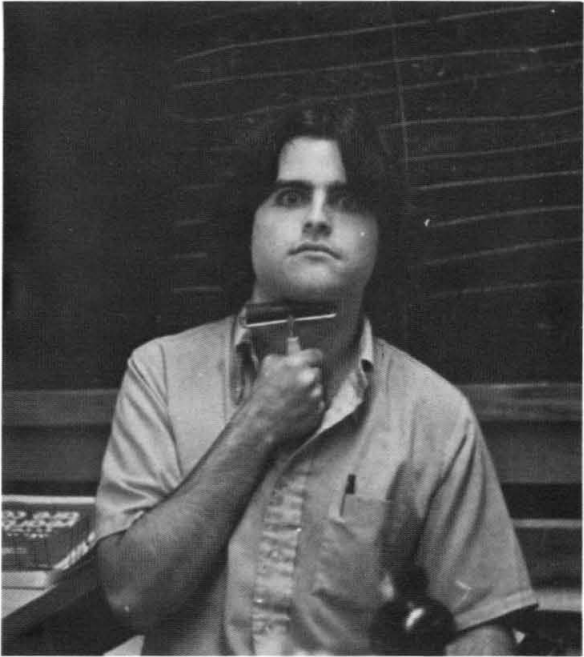
Thanks Henry and Sandy.
-Dave



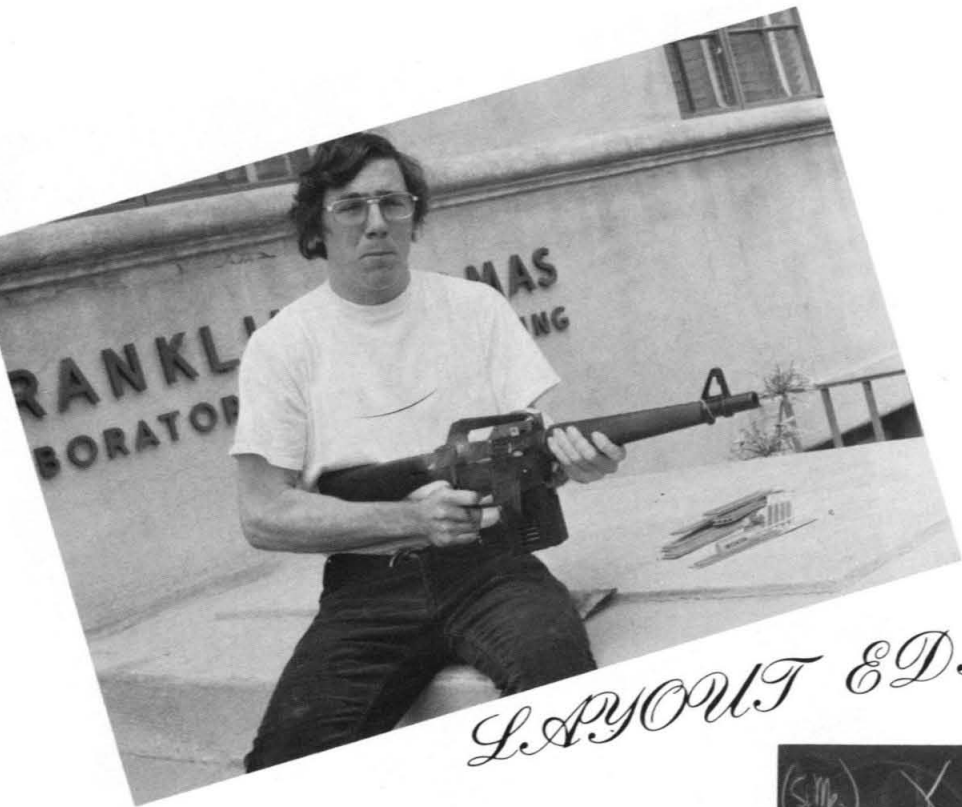
Anywhere you find a Rudd, you can be sure everything will end up right.



EDITOR'S CHOICE

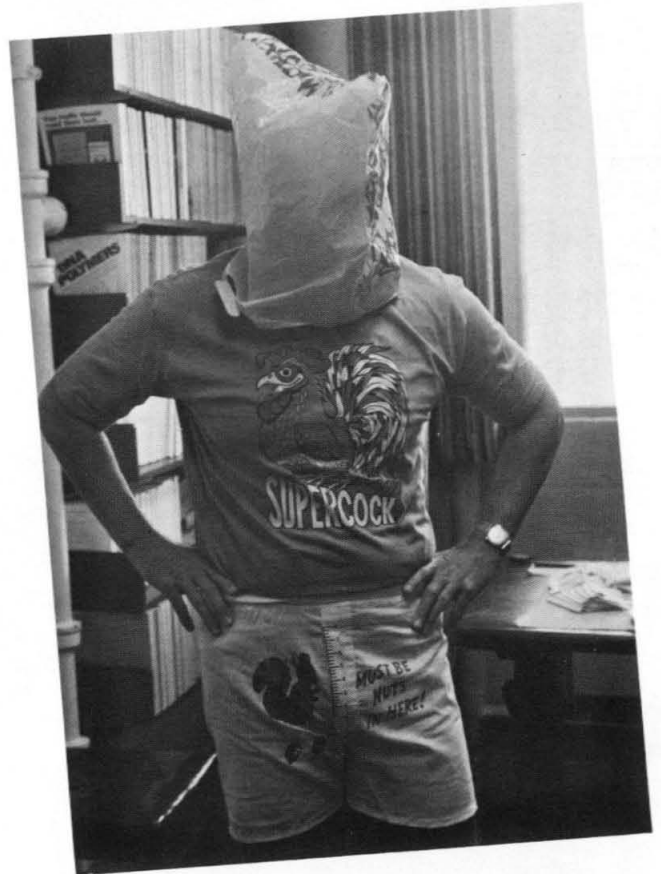
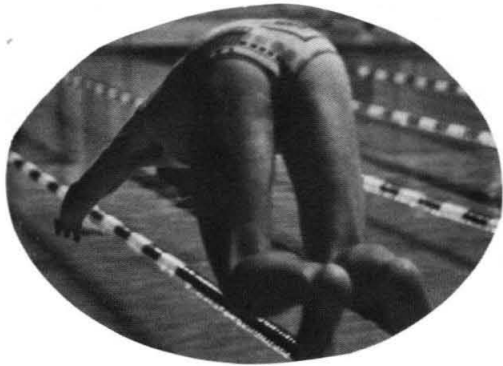






LAYOUT EDITOR PAGE





GRADS WIVES
MISTRESSES

SIN AT CALTECH

PLEE CLUB

FAGS FAGS

APOLLO SINNERS

HAMBER GERS

NUDES

TRY BOY

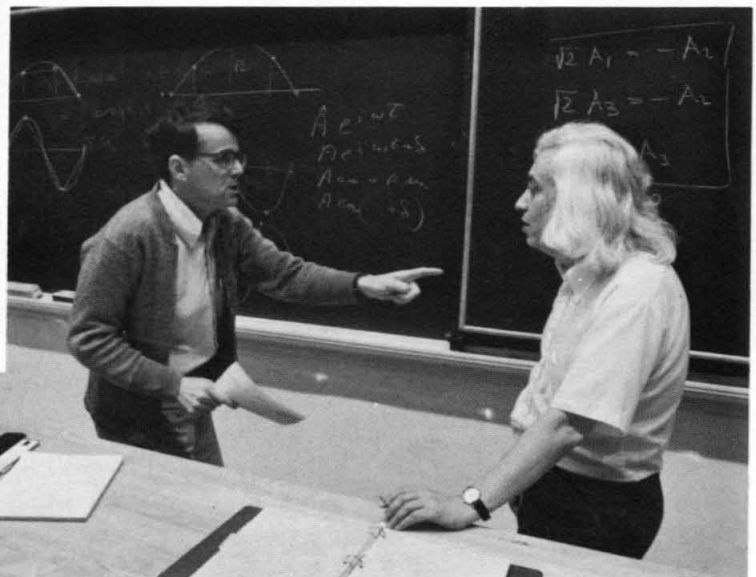
MICHAEL MURPHY OFFICE
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SUNDAY, SEPT. 16 12pm-11pm
MONDAY, SEPT. 17 12pm-11pm
FIRST SCHEDULED: MONDAY, SEPT. 17 9:00 am

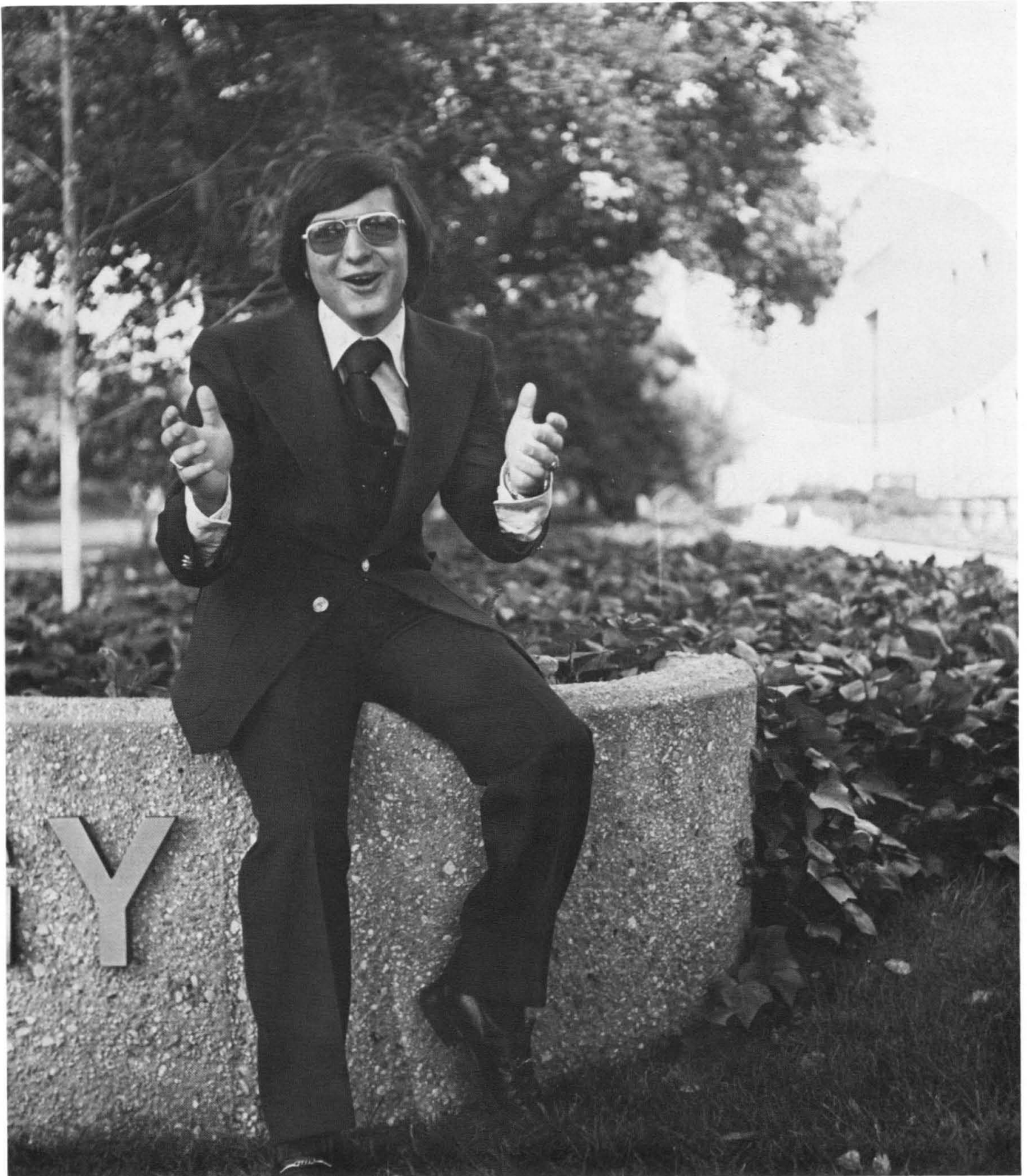
FACULTY

STAFF

UNDERGRADS



I don't care if FEYNMAN is a friend of yours. . .

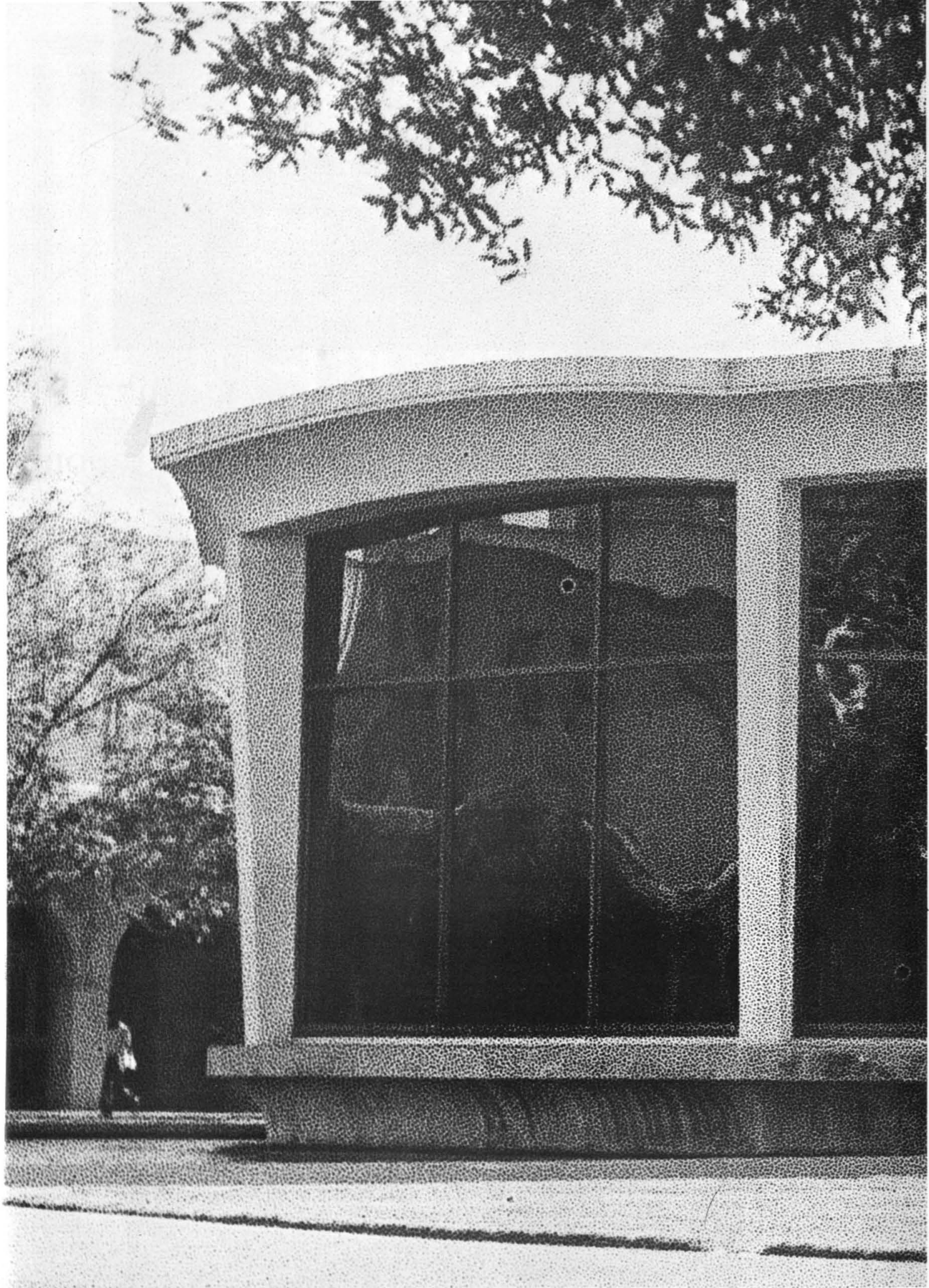


Well, at last the job is done and I'm going home. It took a bit longer than expected and I hope all of you will forgive the small delay. I want to give my sincere thanks to everyone who helped on the yearbook with special recognition of the great help of Floyd and his photo files. I also want to thank Pam, Dave and Ray for putting up with me and working those long summer nights so that we could get done on time. I also appreciate Henry and Sandy for their help and for enduring me for two months in the same office.

I would also like to thank Al for his work on the photos and Ed Hutchings for his encouragement. Also, this book would not have been possible without the hard work of the business manager, Bill. I also must give special thanks to Nelson Lee for being the *only* person to get his house section in by the deadline, two weeks before anyone else.

I sincerely hope that all of our work has created a yearbook that will be memorable and enjoyable to read. I've enjoyed putting it together and I wish the best of luck to next year's *Big T* editor.

—Stanley Cohn

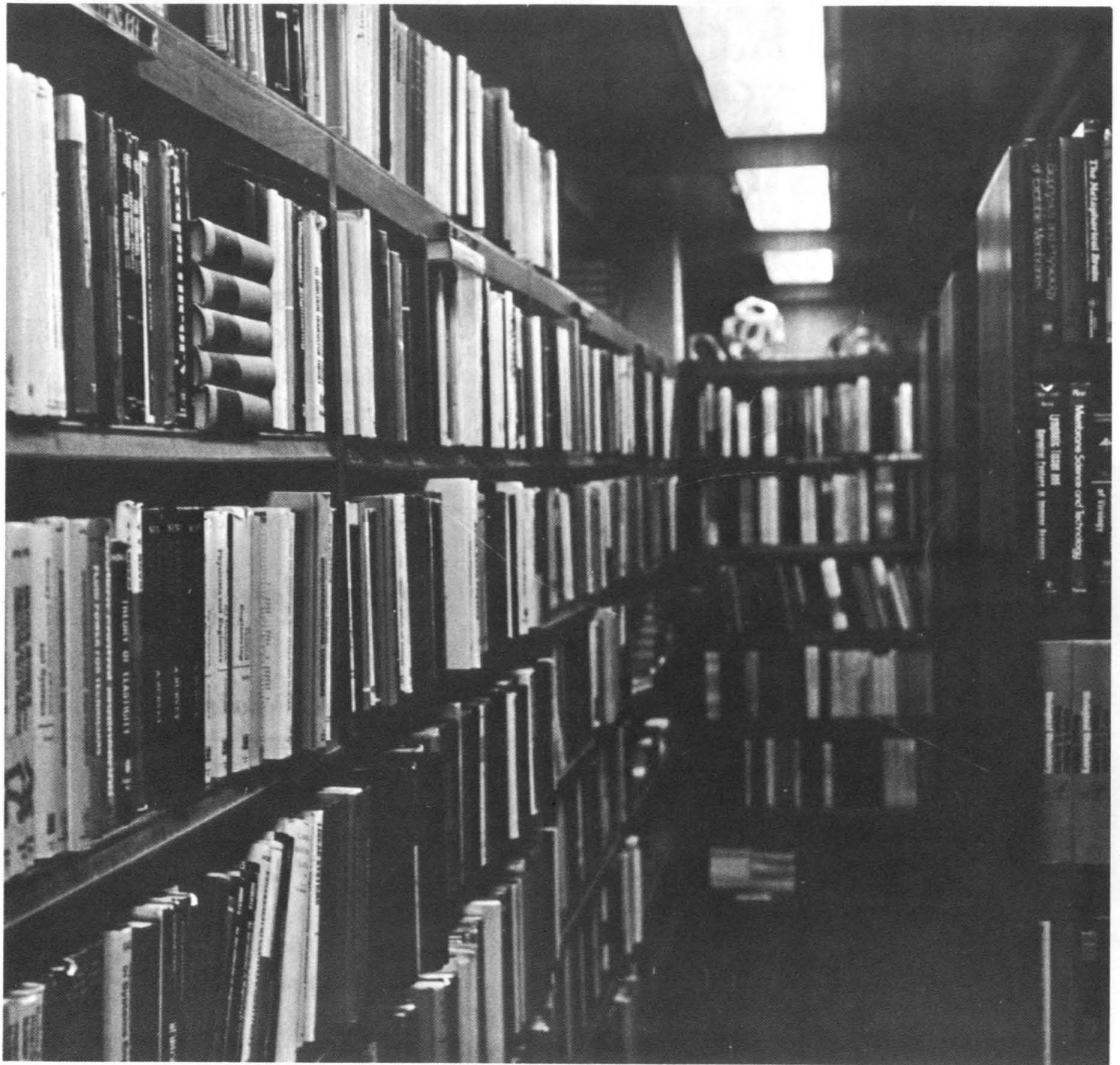


Ads



Congratulations and best wishes to Caltech's 1977 graduates from the Caltech Alumni Association





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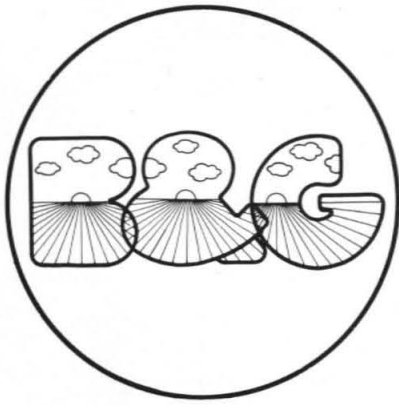
Reference Books

Paperbacks

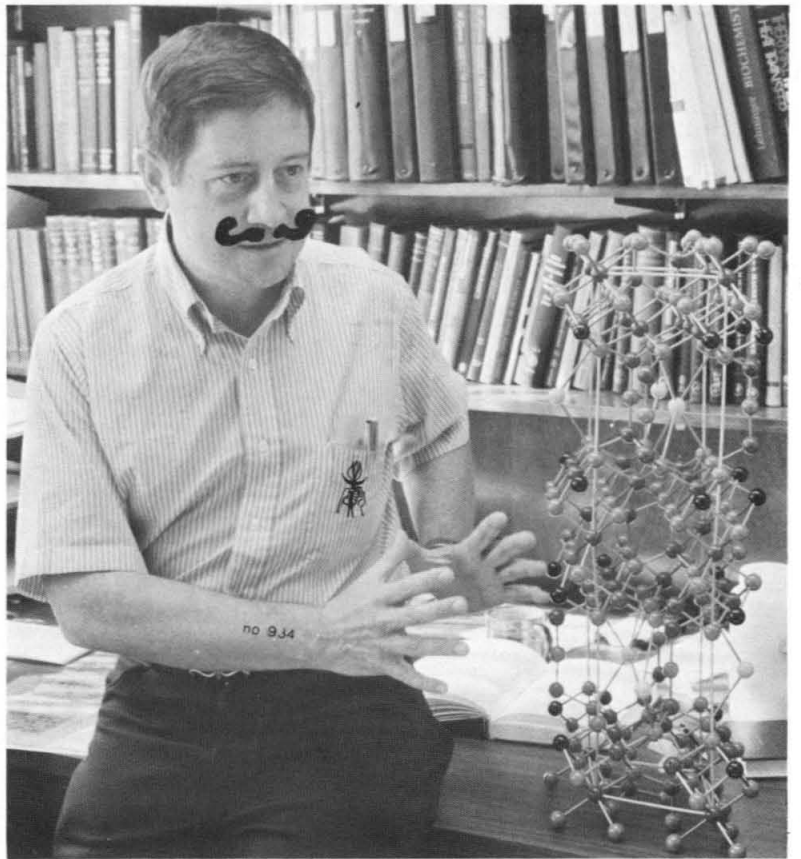
Supply Items

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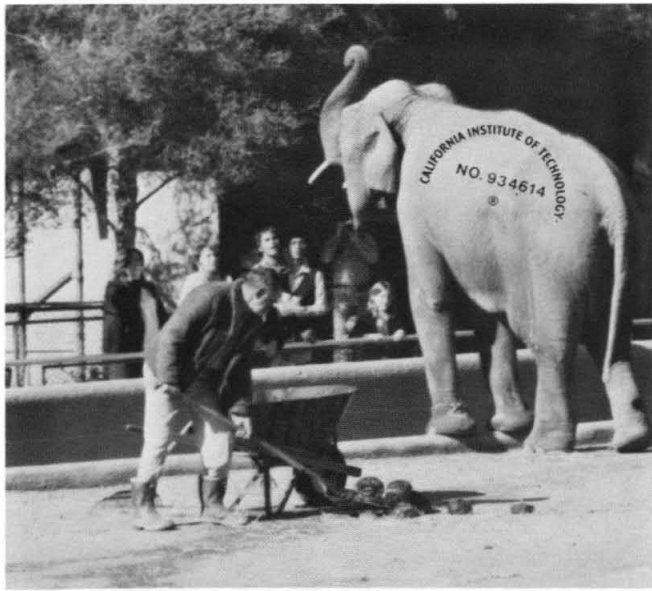
Winnett Student Center



"Where your concerns are none of ours"



Chief Engineer I. Doolittle explains the plans for the new 54 story Olive Walk Parking Facility.

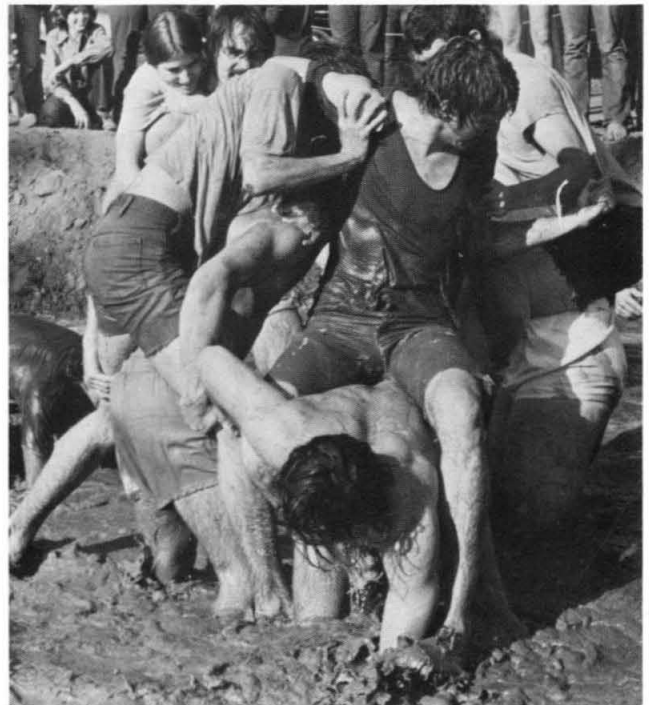


B&G, now in its 3rd year of its 67 year "on the edge" public relations campaign, looks better than ever. Uneasy about some complaints over the plans to stop parking on the Olive Walk and plant grass, they immediately began plans for a 54 story parking facility. As Chief Engineer Doolittle puts it, "Yah vee is going to build a big vone. Ve already has 63 supervisors and 51 assistant supervisors planning it. Ve vill half dat baby up in no time, flat." So remember B&G, nobody else will.

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EAMON, *guitar & voice*
Saturday, April 8, 1978 in Beckman

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