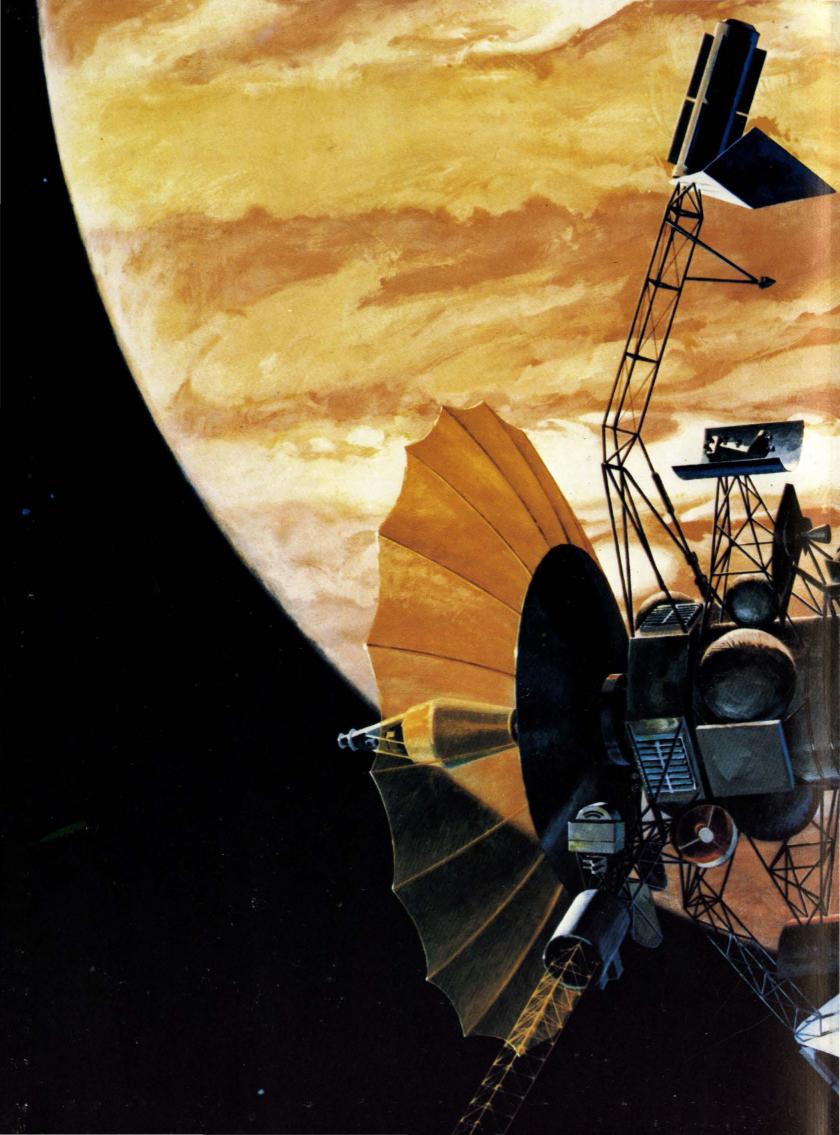
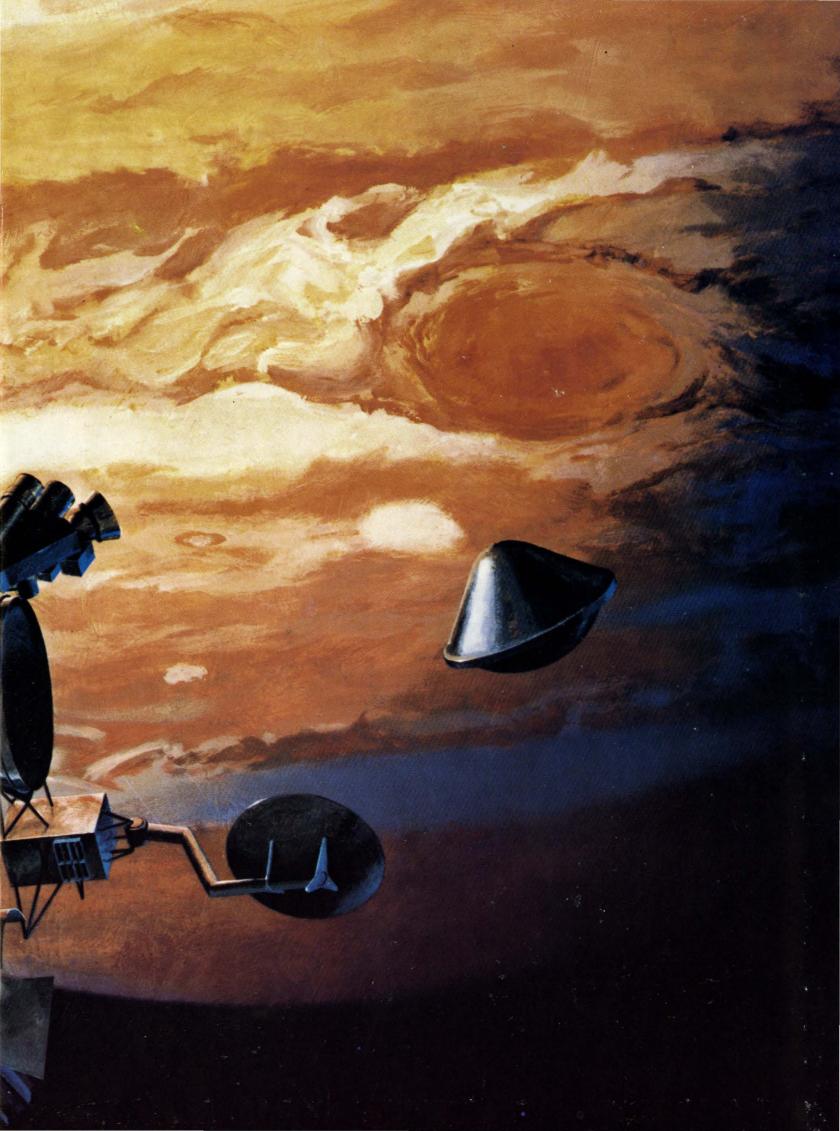
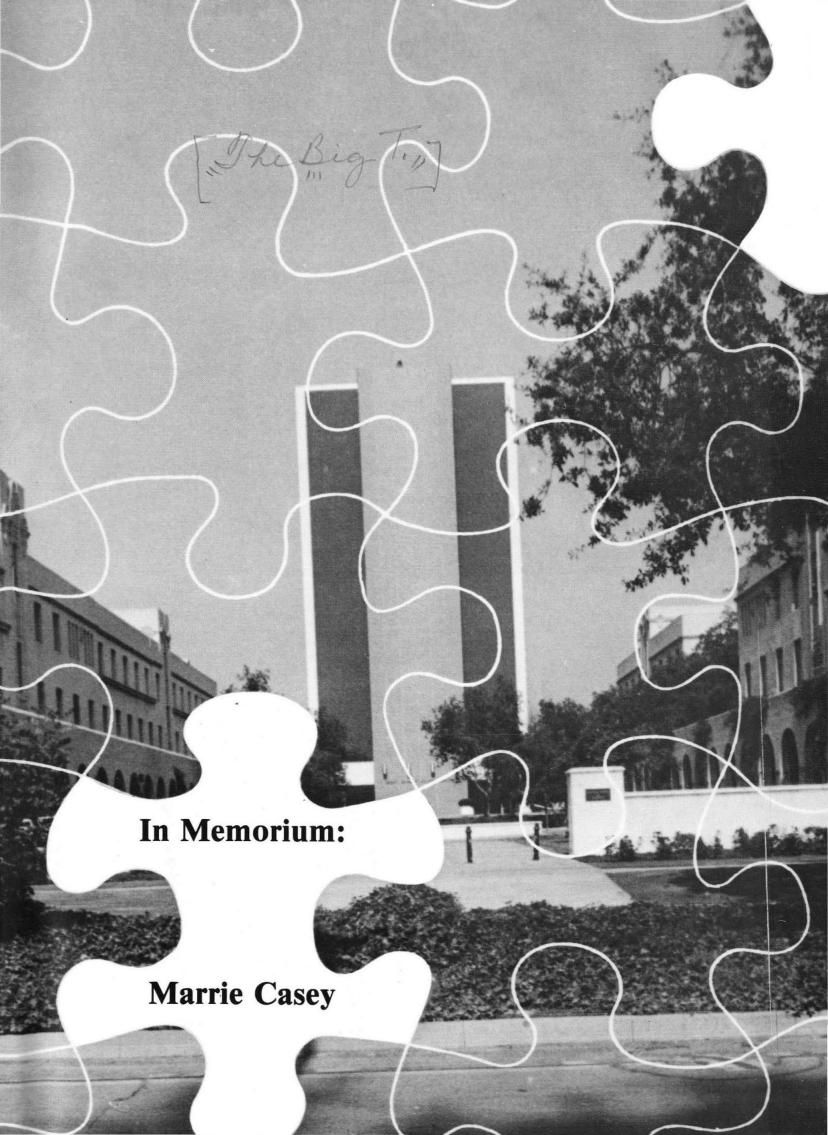
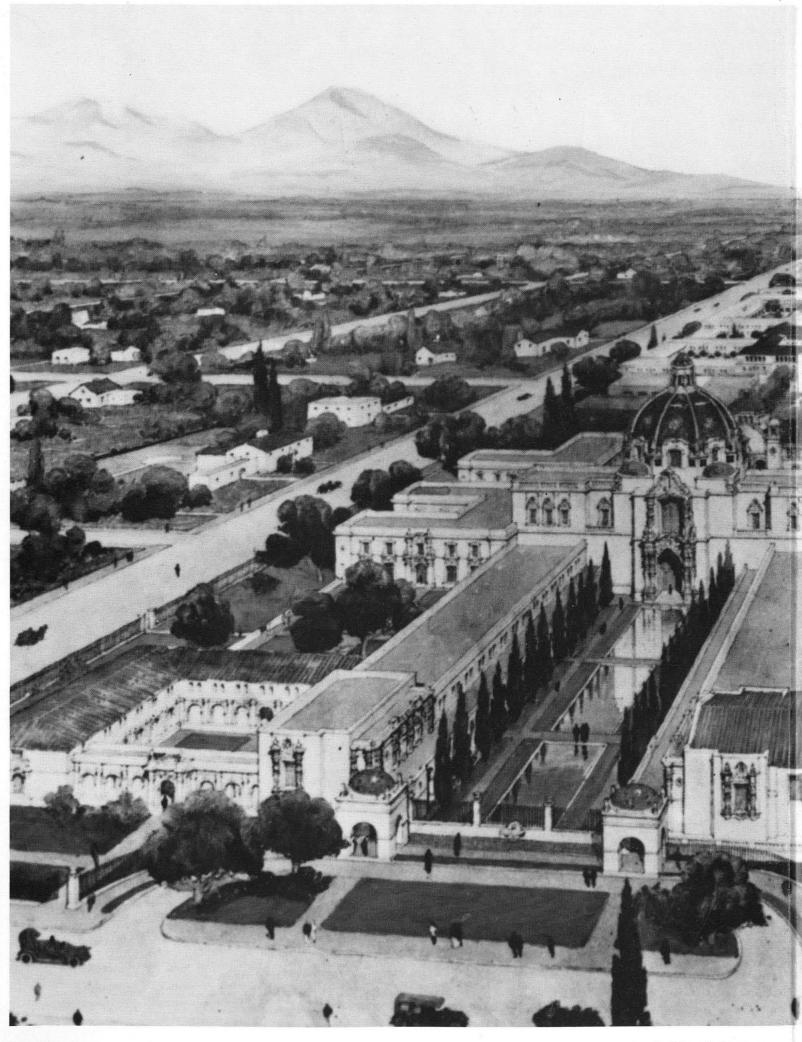
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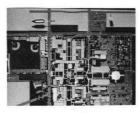


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Around











Photo by RP



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Campus









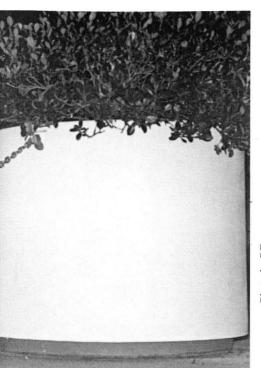






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Photo by RP



Photo by BS









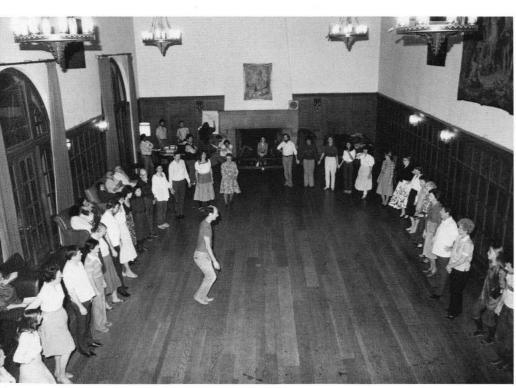


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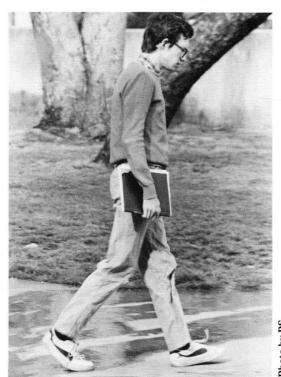


Photo by BS



Photo by BS



Photo by RP





Fantasticks

The World's Longest Ru	nning Musical	
book and lyrics	Tom Jones	
music	Harvey Schmidt	
production directed	Dr. Don Caldwell	
choreography & mime routine	Janet De Ruvo	
produced	James F. Garvey	
CAST		
The Narrator	Peter Felker	
The Girl	Susan Cave	
The Boy	Dean Elzinga	
The Boy's Father	Robert Oliver	
The Girl's Father	James Garvey	
The Actor	James Garvey	
The Man Who Dies	Howell Johnson	

Musicians

The Mute

Harp

Bass

Wendy Caldwell Piano Heather Graham David Zobel

Patricia Houseworth



Photo by SB

Candida

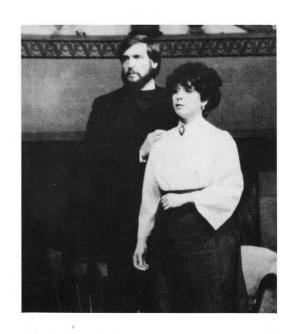
By George Bernard Shaw

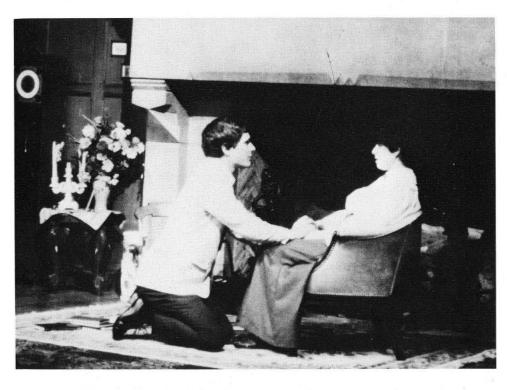
Presented on October 7, 8, 9, 14, 15 and 16 in Dabney Lounge.

CAST

Miss Proserpine Garnett
The Rev. James Mavor Morell
The Rev. Alexander Mill
Mr. Burgess
Candida Morell
Eugene Marchbanks
Interpreters (Oct. 16)

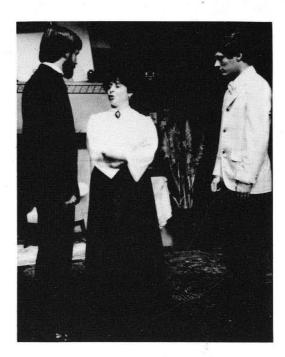
Shevaun Duiker
Peter Jones
Tony Dobrovolskis
Simon Davies
Rosana Gatti
Jerry Burch
Tracy Cave, Sue Minor











Around Campus





Solstice and Sketches

By Greg Tomko-Pavia

Presented on November 4, 5, 6 and 11, 12 in Ramo Auditorium.

CAST

The TWA Corbies

Narrator Huston Horn
Boy Rodney Kinney
First Corbie Ray Lischner
Second Corbie Kimberly Carr

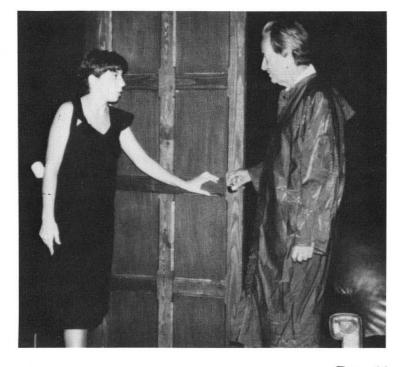
Subduction

Prof. Culfier Richard Feynman Mephista Kimberly Carr Mephisto Neil Russell

Solstice

Michael Michael Petterson
Karen Astrid Howard
NC-7 Laurie Howlett
Prof. Larkin George A. Roegler
Savant Peter Jones

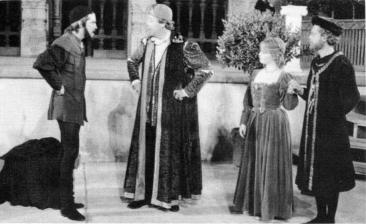




Around Campus

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hoto hy CC



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Much Ado About Nothing

By William Shakespeare

Presented on April 27, 28 and May 4,5 at the Iris Garden (between Crellin and Parsons/Gates.

CAST

Leonato, Governor o	f Messina	Bruce McLa	aughlin
Messenger		Stephen V	Walton
Hero, daughter of Le	onato	Andrea (Andy)	Bland
Beatrice, niece of Leo	nato	Alice Cronin-G	olomb
Don Pedro, Prince of	Arragon	George A. F	Roegler
Benedick, a lord of Pa	adua	Peter	r Jones
Don John, bastard br	other of Ped	iro Max	Bryson
Claudio, a lord of Flo	rence	Dean I	Elzinga
Antonia, sister of Lec	onato	Phyllis	Weiss
Conrade, follower of	Don John	Mark	Maier
Borachio, follower of	Don John	James T	arazon
Balthasar, attendant	of Don Pedr	o Jerry	Burch
Margaret, gentlewom	an to Hero	Shevaun	Duiker
Ursula, gentlewoman	to Hero	Astrid G	olomb
Dogberry, a constable		George W	illiams
Verges, a headboroug	g h	Phillip	Moon
Watch 1		Dave Si	vertsen
Watch 2		Mark Cronin-G	olomb
Watch 3		Mike Pe	ttersen
Friar Francis		Jeffer	y Pugh
Sexton		Joel	Fowler
Dancers	Vicky Barlo	w and Pamela V	Walton

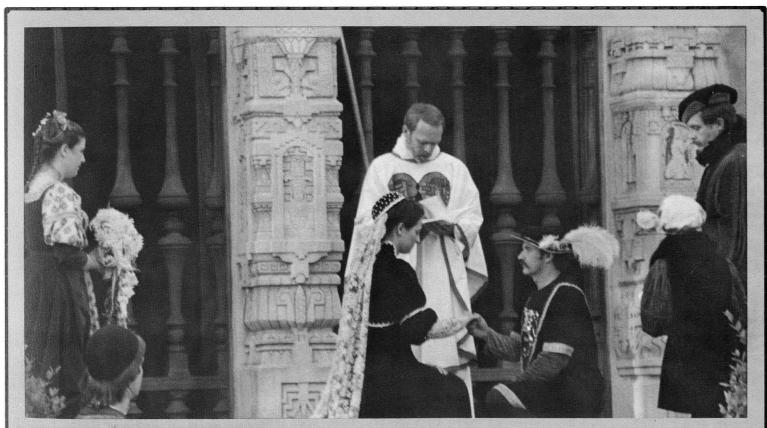








oto by SS



Congratulations to Margaret Emde and Dennis Malone, friends of Caltech, who held their marriage in proper 15th Century costume after the May 5th performance of Much Ado About Nothing.











Around Campus

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The Dragon's Tale

By Michael Pettersen

Presented on June 2 and 3 at Braun Court (between Church and Noyes).

CAST

King Arthur Greg Tomko Lancelot Peter Jones Guenivere Rosana Gatti Sir Peter Phillip Moon The Dwarf Cheryl Klipp Merlin George Williams Vivien Vicky Barlow Noopers Dean Elzinga Carola Laurie Howlett

The Forest of Enchanted Maidens

Karen Glassman Daphne Chloe Andrea Bland Twiggy Katya Armistead Duncan, a stage hand **Duncan Mahoney**













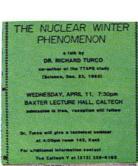






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Around Campus







"Women's Rights, Reagan's Wrongs A lecture by Journe Parker otte og Jouann (drær – De of blumen Status at inker kale School *Ca-cher of Educational Test from for M.O.W. (Alabani Organisation for simen) at Caltech in Resadend Wednesday, April 4 free and open to the Public

usual by the Collect Y parameter by Collect S. W.E. (Society of

Dr. Thomas Ahrens FEBRUARY 1

Bring Your Lunch

The Caltech Y

Earth and Man-Space Exploration's Role in Changing our perception of the World

Dr. Lew Allen Director of the Jet Propulsion Laboratory

UPDATE

The Caltech Submillimeter-Wave Observatory

Dr. Tom Phillips

FEBRUARY 22

Bring Your Lunch

UPDATE Oceans on Titan

Dr. Yuk Yung

November 16



Will Speak on How to Make a Column-But Never Make a

Mistake

Crowds Expected

PASADENA—Jack Smith, noted L.A. Times Columnist, will be at Caltech on Thursday, April 19. His 7:30 pm address in Baxter lecture hall will be about how to write a daily col-umn for a million readers—and never make a mistake. His talk, sponsored by the Caltech Y, is free and open to the public. Students, faculty, and other sciolists are Welcome.

Sharon .

Open to Everyone

Refreshments" will be p





Photo by RF

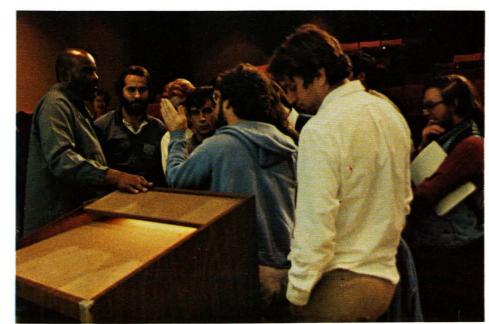


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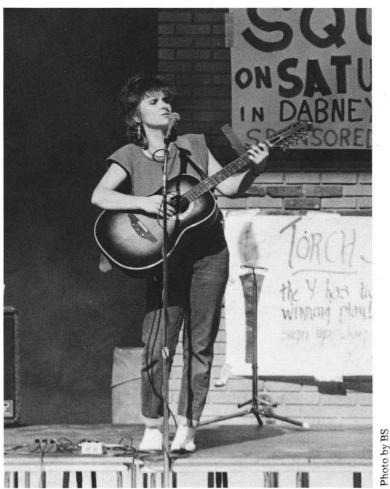
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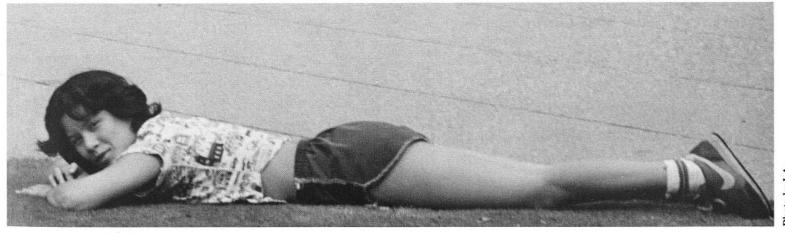








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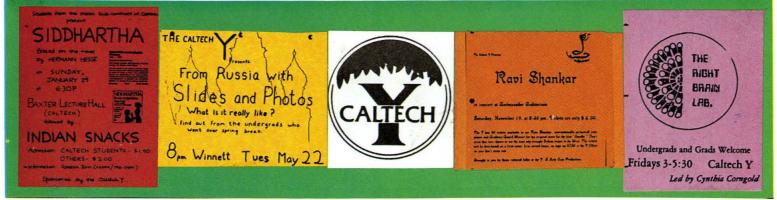


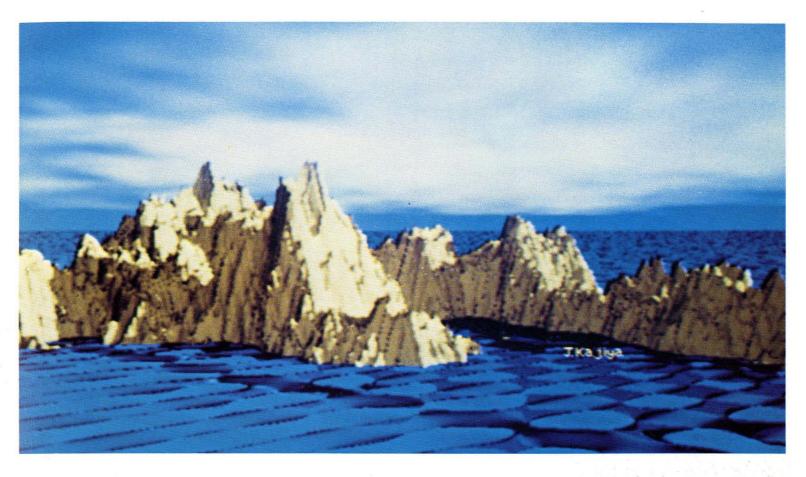
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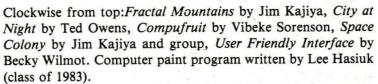
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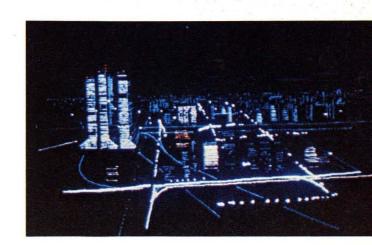


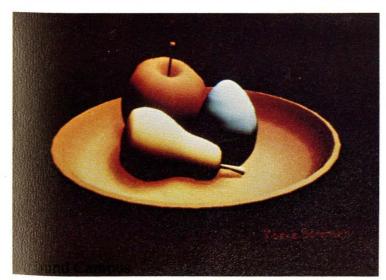


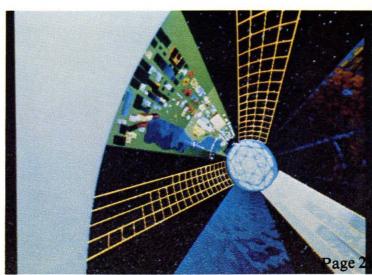


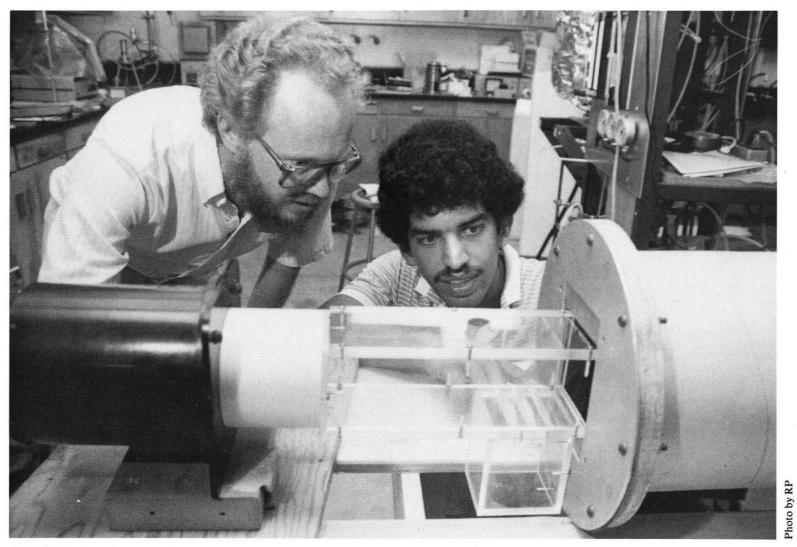












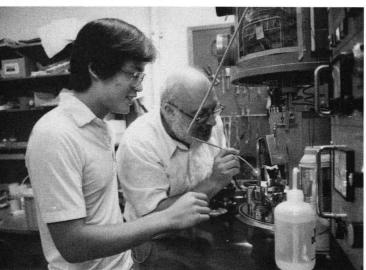








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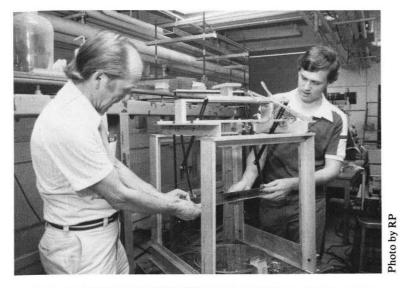
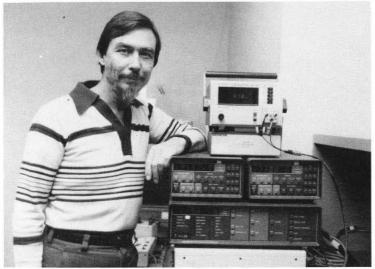




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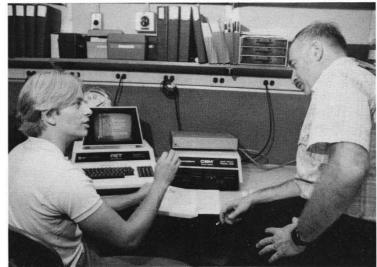
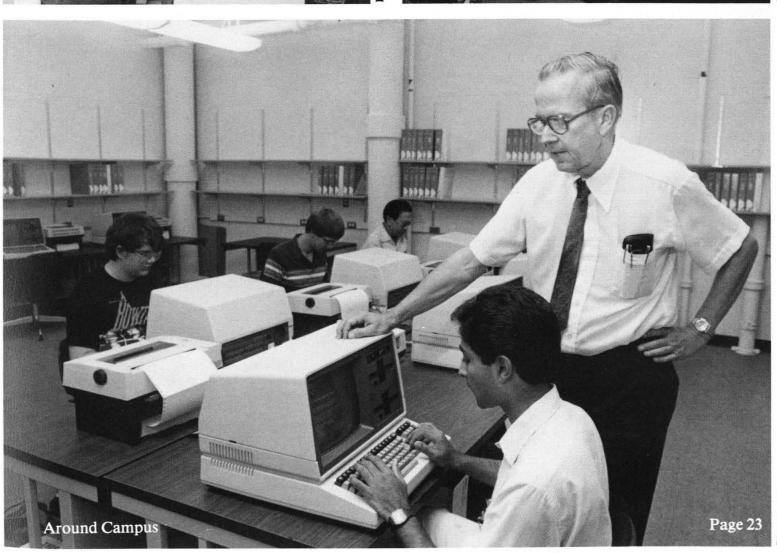
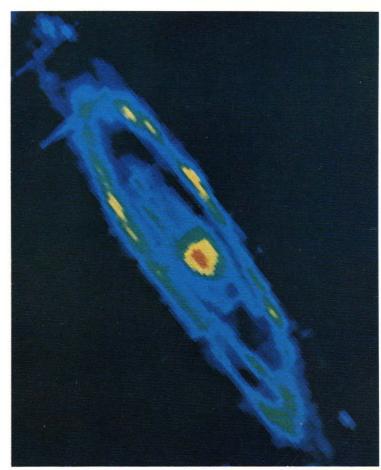


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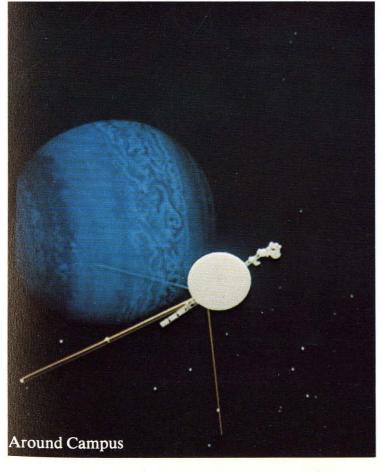


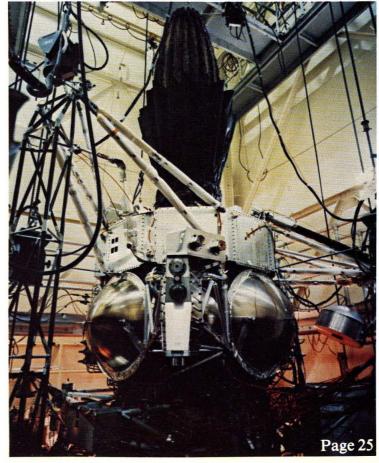




The wizened wizards at the Jet Propulsion Laboratory reastonished the world again with their space-age soporific (not the equipment, but the explanations) systems. With our boys at the DOD firmly entrenched, technological triumphs such as the Infrared Astronomical Satellite's Computer Enhanced Imaging and the Optical Space Telescope were commonplace, while projects (Galileo) once thought to be in pasture were prepared for interplanetry exploration. Nearly forgotten flights were commemorated as a Voyager probe became the first man-made machine to leave the solar systemic sanctuary, carrying on it a message of cosmic cooperation.

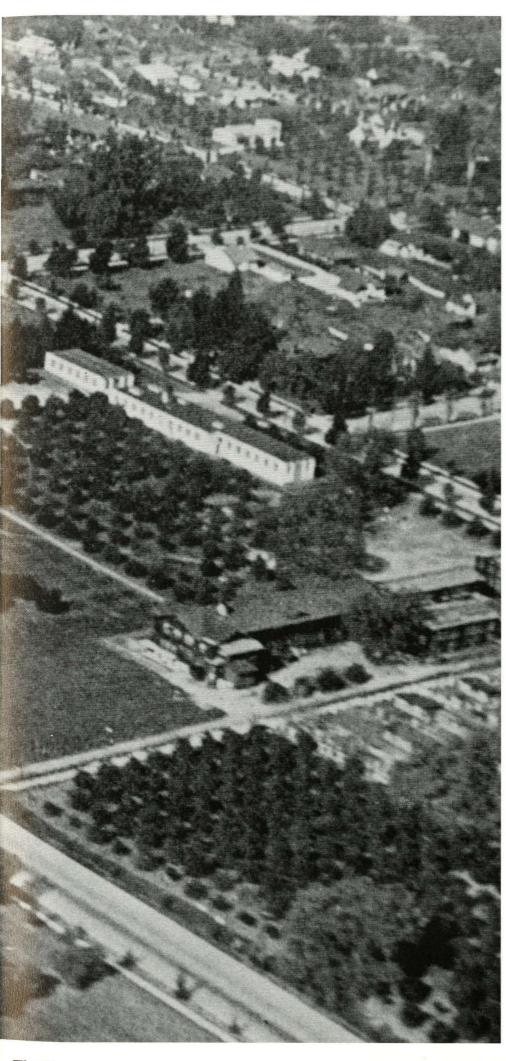








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THE YEAR



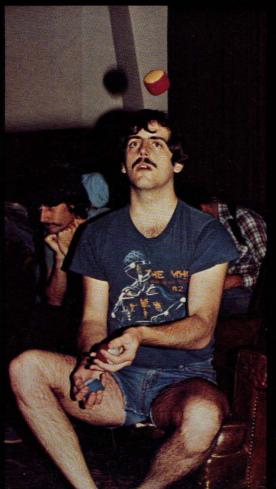
The Year

Bamf! After a whole entire year of writing the Perrin House "Inside World" for the Califormulaic Tech, I fell into a regal-size rut. Was I doomed to acquiescently account the house's hoop-la or was I destined for loftier laurels?

Ruminating over this, I was suddenly surprised by the editor of this tome who offered me the job of penning these pedantic pieces. I was so overcome with Epicurean emotion that he was forced to place a tiny device in the base of my brain to stimulate certain electrical impulses which would encumber my excitement.

glitch







Rose Bowl



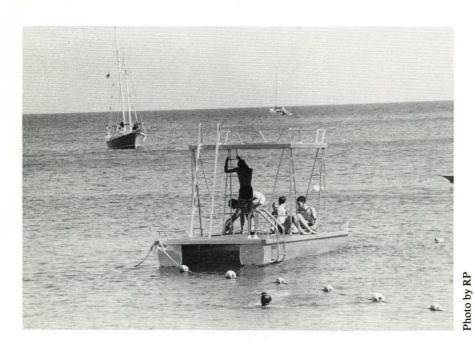












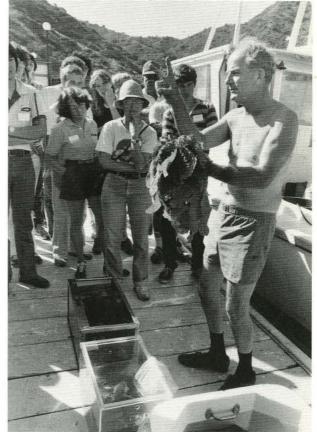
On a sultry September Thursday, some two hundred plus (!) freshmen, along with a few assorted oldtimers from upper classes and faculty, battened their hatches and made the perilous passage to the comforts of Camp Fox on comely Catalina Island.

Absolutely rife with respect, the new initiates spent three glorious days and two dolorous nights listening to laconic lectures about the care and feeding of bits of kelp and lumber boards. Hey, love that one by twelve!

The lark continued with the zany and madcap antics at the traditional Talent Contest. The obligatory cross-dressing sketch was performed, along with other alluring acts. Oh, and don't forget the hilarious harangues on the Honor and House Systems!

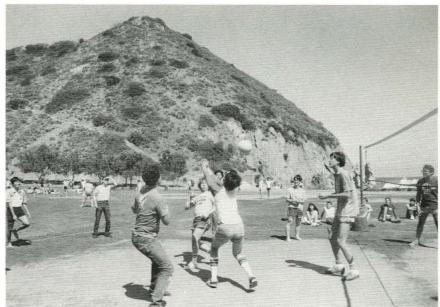
glitch

Yow. The freshmen waved their fond remembrances to Camp Fox as they made their way to picturesque Pasadena.



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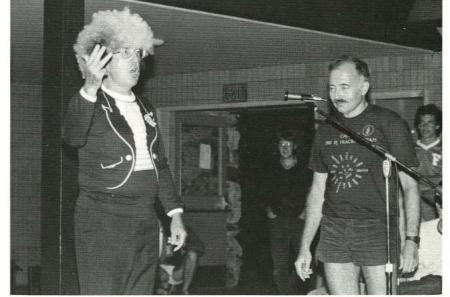




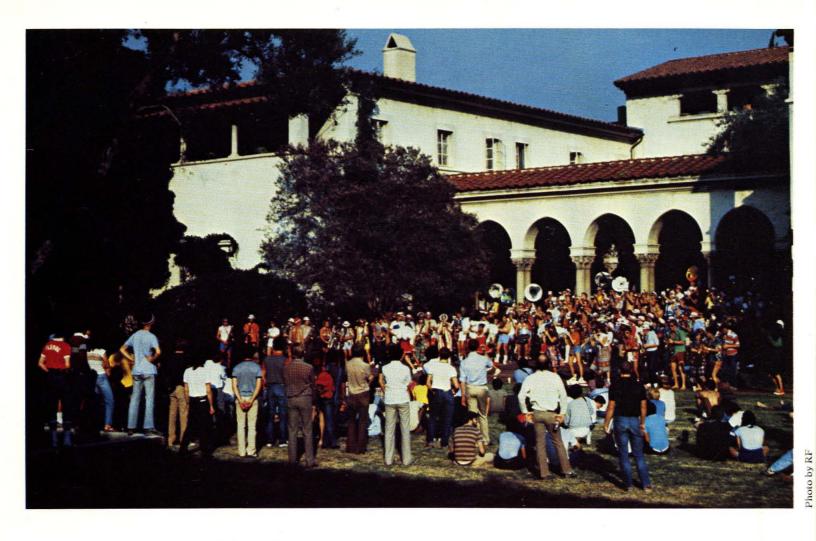


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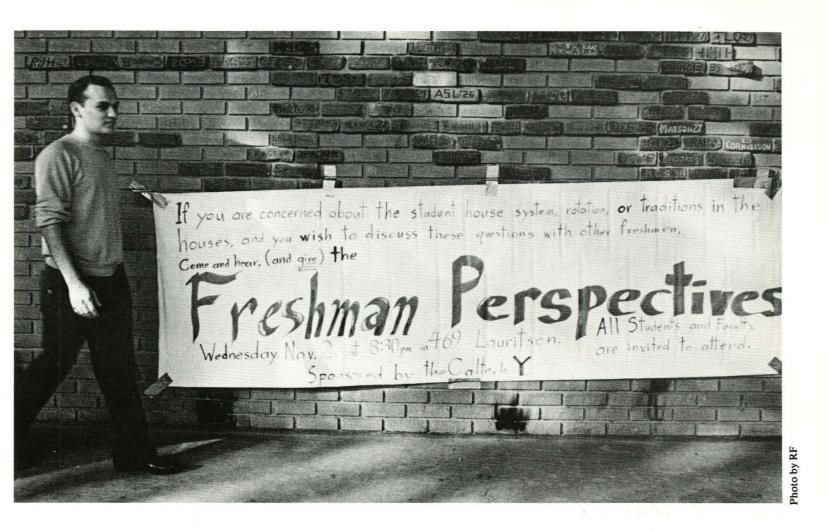


As an encore to their earlier appearance a year ago - *glitch*

(Whaddaya know, alliteration gives me a glitch)—the Stanford Marching Band played for the pleasure of palpitating people on the porch of the Ath. Nyah. Afterwards, the party adjouned to the Quad where quite a quantity of alcohol was imbibed while listening to "The Press". The shindig was such a success that the *Califorgery Tech* refused to soil its pages with such a contrite item.



Do by DE



Even I am occasionally ordered to report the less-than-redoubtable side of Caltech. This year this recusancy was Rotation, the issue that would not die.

Portents of problems to come were foreshadowed by the infamous Sadeghi epistle of early September. This foolish foolscap found its way into the feckless hands of freshmen, revealing the unknown recesses of the mechanics of Rotation. In the ensuing uproar, meetings were called by persons of import, resulting in the *largest* series of *fuzzy* pictures for the yearbook *yet*!

glitch

But for the rest of us not so concerned about theoretical matters, Rotation was filled with manic delights and every freshman was made to feel welcome with the liberal greasing of beer. Maybe some hotheads want to change the traditions, but as long as there's Techers with an ounce of sentimentality, we dare the dissidents to try!



Photo by Kr







Interhouse was carried out with much vim.

I'm going to break down now and quote liberally from the *Caliunfortunate Tech* "Inside World" section for November 18, 1983, which is about Interhouse, which isn't surprising.

Well, there we were, sixty-some Moles just minding our own business (as usual, I guess) when suddenly there was great thunderclap, and the skies were rent asunder with an awesome presence. We felt our bloods turn to acetone and our hairs become starched and our ears become stretched out to sixteen inches *glitch* Peter Konopka relaxes in Ricketts while Sylvia Luedeking poses as an IRA terrorist during last Saturday's Interhouse party. Photo by Roger *glitch* as a dark cloud descended upon Blacker House. Our memories of what happened next consist of nothing but blackness, a blackness blacker *glitch* than the black *glitch* in blacker *glitch* But wait! There were subversives in the crowd, passing out banned pamphlets that talked about such strange and evil things as "free press", "fair trial", "personal freedom". The Thought Police handily escorted these scum down to the Ministry of Love, where they were re-educated to love Big Brother.

Meanwhile, a large group of subversive scum gathered in the secret cafe, where alcohol was available in diverse forms *glitch* Alaric did a very good job of hiding our fireplace, Ross did manage to find ten potted palms and transportation for the roulette table (which, by the way, had the truly powerful intake of \$1.55 for the evening), and despite the fears of many, Paul did get the "Rick's Cafe Americain" sign finished.

Although Marty's *glitch* minor problems such as last minute procurement of a strobe and lethal Black Russians, fun was had by all. The Interhouse Chairman, Mark Waggoner, obviously *glitch* was transformed into O'Brennan's Pub while the courtyard became the rest of a small Northern Irish village. To complete the authentic atmosphere entertainment was provid-

Director ha

ed by an Irish band, The Road to Shiloh. As is always true of the Irish, the locals come out in force for a night of partying including the local IRA representatives who were determined to destroy all the British Buildings in the courtyard before the night was over. In addition to the traditional *glitch* ride was just the beginning of a long, confusing journey through "The Twilight Zone." Emerging from the misty black train tunnel, the travelers stumbled upwards through a strobe-lit stairwell to the maze. For those lucky enough to find their way out, the party was only a nurl pit away. Everyone danced to the music of Head First (although a few need to visit *glitch* B-day girl Debbie Pinck, to whom he sang Happy Birthday). Soon, though, it was discovered that Don was really that notorious criminal Wo Fat. As he and his bodyguard made a break for the door, Steve McGarret *glitch* encoded messages, telling the young people to worship Satan and register as a Democrat. Crazed youth entered into demonic dances. It was a true *glitch* severe event. The Fleming Courtyard, engineered by Mark Eggleston and Dave Durham went off well even though it was not completed because we were 10 hours behind schedule. Still, the fiber optics shop, acetylene cannon, audio effects, and simulated storm were *glitch* wrong and we didn't seem to get our point across. We made one more attempt at 11:00, but by that time, the disruptive Dr. Bartender had hit many of us with his Zoo Juice Ray, and we were lucky to get out a coherent sentence, much less communicate to the *glitch* Tommy's chili *glitch* with a pleasing set by the "Hawaii-5" (a.k.a. Caltech Jazz Band) *glitch* complete with the usual pile of excellent Lloyd food *glitch* around the theme of Fansome's Heroes *glitch* getting Page organized *glitch* so on that night, House Stealing Man *glitch* excellent Lloyd cooks *glitch* Mike Kilby *glitch* Bill "Spot" Moriarty *glitch* *glitch* *glitch* *glitch* *glitch* *glitch* dorky *glitch* *glitch*



hoto by



oto by R



Photo by RF





Possum Stew

Recovering from a series of glitches is hard work and the way I like to get up the old urge is to make a steaming dish of possum stew:

Needed: 1 medium size possum or size 12 running shoe, 18 gallons of water, small electrical appliance



oto by RP





oto by R

Boil water in large cauldron. Meanwhile, chop off the muskrat's tail (or undo the laces), and remove the tongue. Discard remainder. When water has come to fast boil, throw in the tail (laces) and toungue and simmer for either a) 4 hours or b) 4 minutes; there is a difference in taste. After simmering, uncover cauldron and plug in small electrical appliance. Let cauldron contents cool; test with little finger, until it doesn't scald. While keeping little finger in stew, start the small electrical appliance and quickly plunge it into the stew. Wait five milliseconds for full effect.

Have friend unplug appliance; let cool fully. Garnish, if desired. 100 1-ounce servings or less depending on efficiency.



Photo by RI







The critical critics took the endzone seats as the Caltech Varsity Football Squad totally demolished its unworthy opponents this year. And the opponents were semi-pro!

This celebrated season of pigskin punting and hogback hustling kicked off with an impressive victory over the Northeast (where!?) Bengals as the young Beaver offense pummelled out yard after yard, while the veteran defense snuffed the enemy's drives, frustrating them with interception after interception.

glitch

In fact, the brave Beavers were so good that the respected National Collegiate Football Association Poll placed them sixth (!) in the nation (!!), one cut above M.I.T. Suck that one, you pansies!

Among the teams absolutely humiliated by our best were formerly ferocious teams as the La Verne JV's, the Desert Warriors, the San Diego Cougars, the Valley Nomads and the Southern California Oldtimers.

Kudos to our fabulous fourteen!

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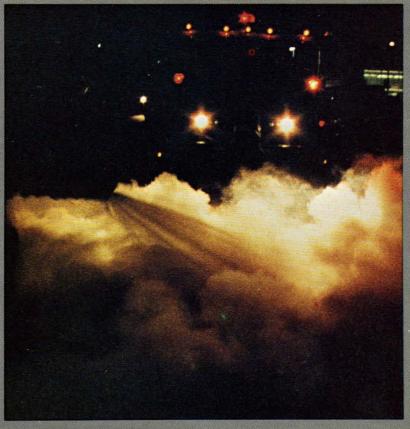


But what would victorious victories in football mean without the traditional bonfire?

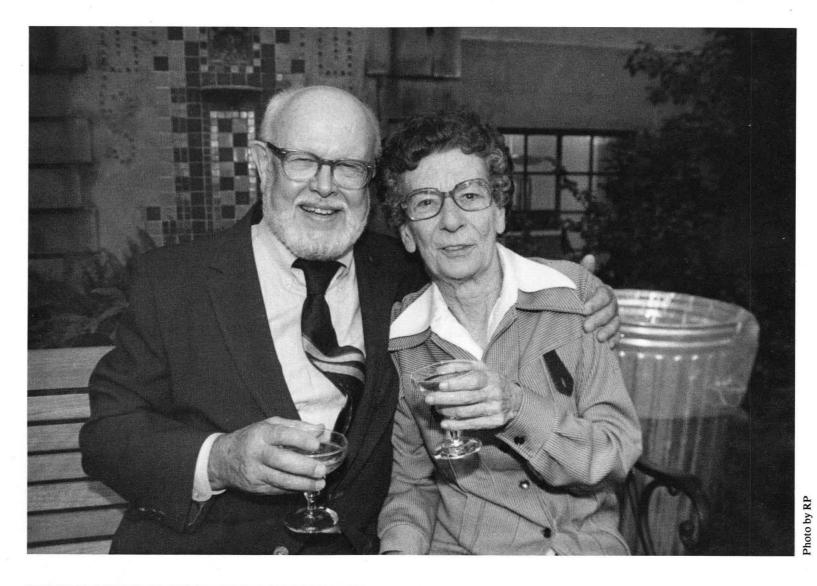
Unruly undergrads had ample opportunity to demonstrate their pyrotechnic prowess to the Pasadena Police Department, if not the crusty Californicating Tech. Even after the seventh (!) vanquishment of a foe, Techers were together enough to have a spunky fire.

glitch

As tradition dictates, each bonfire was preceded by a false alarm, where the clever conspirators would converge on an innocent intersection, gaining time for the perpetrators of the actual fire to set up at the correct corner. On a prearranged signal, the conspirators at the false front frantically fly to the incunabular ignition and then wait for Pasadena's Finest to stamp finis on a fun-filled Friday evening.



hoto by RG





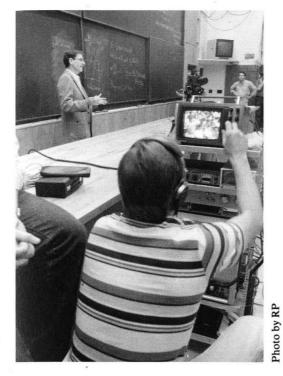
Talk about boffo awards! Caltech continued its standing tradition of winning major awards by copping another Nobel Prize. You would think that they'd run out of those things by now.

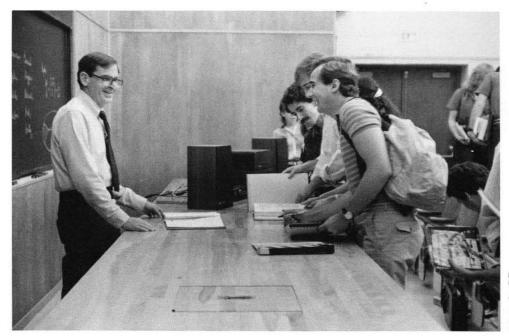
But that was not to be as Dr. William "Willy" Fowler nailed the 1983 Nobel for Physics. Fowler bagged the trophy for his work in explaining the synthesis of elements by nuclear processes in stars, which led to understanding important secular occurences as the *relative* abundances of the elements, *stellar* evolution, and *energy* generation in *stars*.

glitch

The call from Stockholm interrupted Fowler's morning shower (!) and made some delicious remarks about how he would appreciate the money. When pressed to say something substantial, he quipped, "I think it is important that the human race understand where sunlight comes from." What a guy!

Photo by RP





hoto by

These guys are totally rad and I mean completely awesome. *glitch* Like it was only last year that you heard they got half a million dollars, when they came right back and conned another two million from the Annenberg Foundation. So now they gotta extend the original twenty-six episodes to a full sixty episodes. Compared to what we did that's still peanuts, Phys 1 was 180 half-hour episodes long.

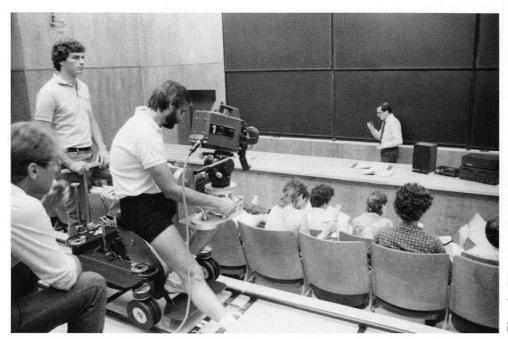


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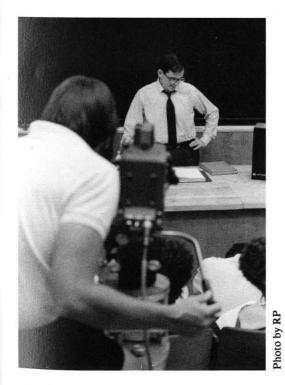
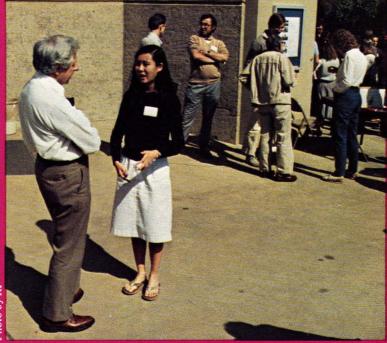




Photo by RP

The Year

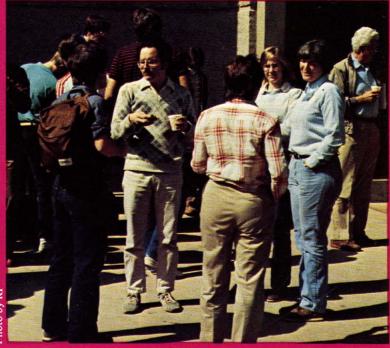












The Year Page 42

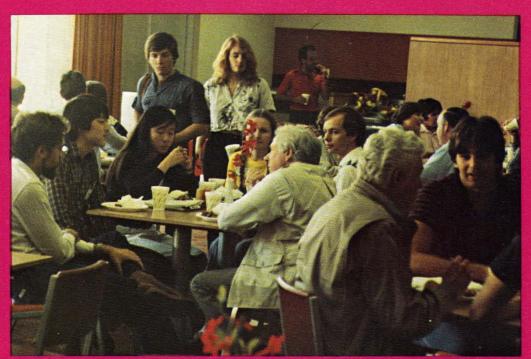
Hijinx abounded at the annual Faculty-Lloyd *glitch* Student Conference at JPL in mid-February. They excitingized old topics until they became fully new problems, which they could table for next year's conference.

After serious donuts out of the way, the confreres bandied about Chem 1, Humanities, the Summer Undergraduate Research Fellowship program, improving grad turkey-undergrad relations, and a transfer-out mechanisms. Then they went for some serious lunch.

Moderated by the keen Jim Morgan, the inter-meal portion had committees give their recommendations on how to change things and be roundly assailed by members of the audience.

So the meat on the bones and potatoes of this conference, the cut of its jib, so to speak, was that the committees recommended that Chem 1 be unitted for nine (count 'em) units, that Chem 3 not be required, that humanities and social science have a positive number of courses, that Caltech students learn to write, that Caltech faculty figure out that this isn't the right place for most, that students be encouraged to transfer, that T.A.'s and faculty learn about the Honor System, that grad turkeys and undergrads learn to accept each other without name-calling, that SURF money be upped to \$2600 a summer, and that computers rule all.

Almost without a glitch.



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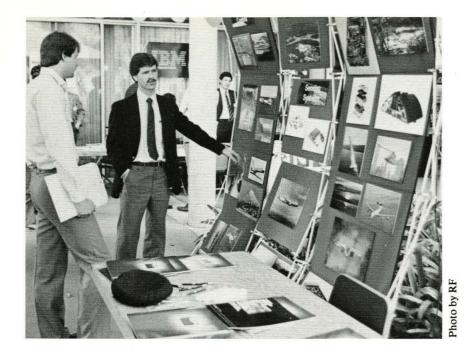


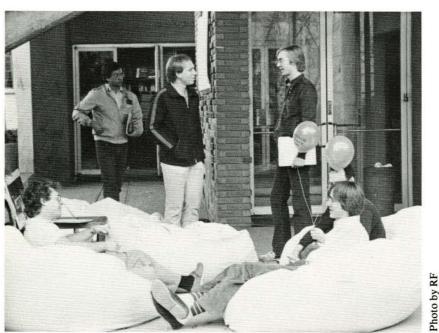
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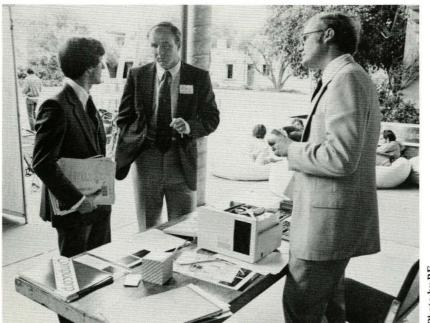


TOTO DY K

The Year







Recruiters and onlookers had many laughs watching prospective employees scramble over each other for jobs at Career Day in February. Held in Winnett patio, anti-nuke protesters had to grin as the most competitive Techers hob-nobbed with and kowtowed to various and sundry company agents.

Thirty seven high-tech, pro-death industries were represented at the to-do, and the punch and the puns flew fast and thick. A member of the smart set, upon hearing of a certain company's product, was heard to dead-pan:

"You work with nuclear missiles?"

The zeal for future mealtickets never let up and wave after wave of Techers with dollar signs in their eyes approached the event. After hearing the traditional spiel from each company, the B.S. degree at the end of the carrot stick became that much more desirable

glitch

and the latent labor force withdrew at the end of the day with new pep to finish their work here.

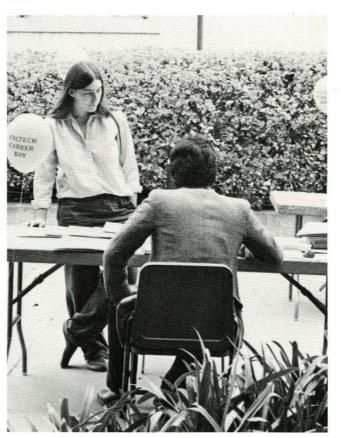




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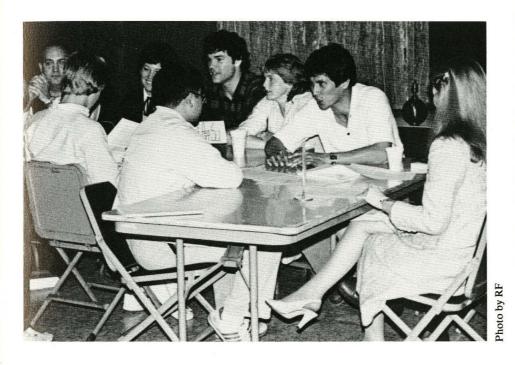


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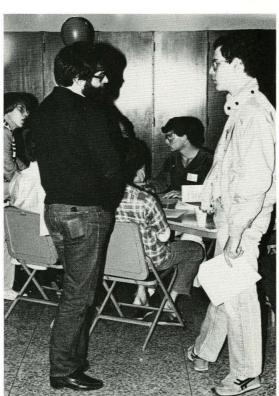


Photo by RF

The Year







As Winnett Lounge's bright facade, courtesy of the Right Brain Lab, faded under the onslaught of feminist diatripe, the campus quivered as Women's Week was officially declared funct on campus. To celebrate the role of the woman at Caltech, dozens of people showed up at the numerous lectures, forums and noon concerts.

Shirley Hufstedler and dulcimer players were among the notables involved with the Week, whose coverage by the *Califorgotten Tech* could not only be described as *impressive*.

glitch

The Organization for Women at Caltech, so cruelly maligned in the previous yearbook, flexed its atrophying muscles during the Week, providing forums for discussing sexual labor relations at Caltech. It was pointed out again that women are not treated as men's equals in terms of pay or prestige.

Well, I would just *love* to stay and chat, but my space is up and I would like to get rid of this damned machine from the back of my head.













hoto by BS





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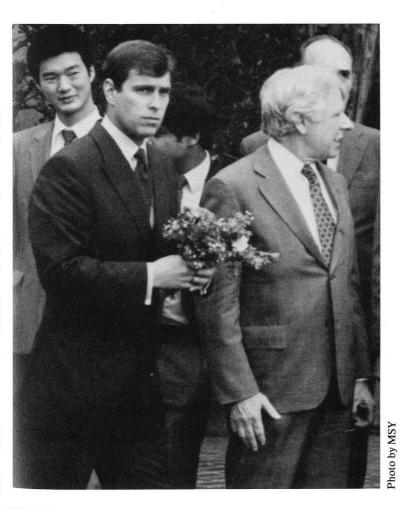


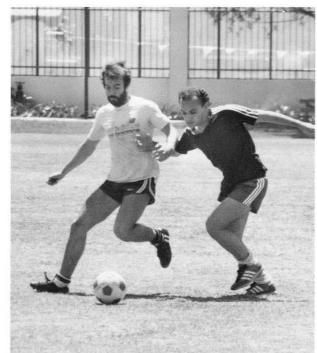


Photo by SB



The Year











Ah, but what will we remember years from now about the halcyon days of our undergraduate years? Certainly we will recall the pains of Sports Day, that relatively smog-free May Saturday. Who can forget the stand-up plays in softball, the tension of track, the wetness of water polo? And who can forget the party afterwards on the Olive Walk, complete with the sounds of a live band? Sit back years from now and relive the excitement.

Photo by MS

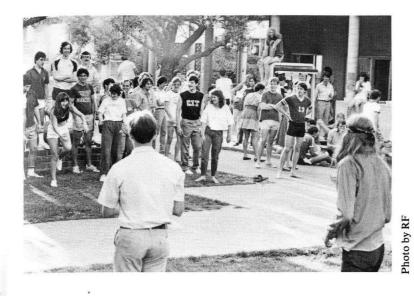
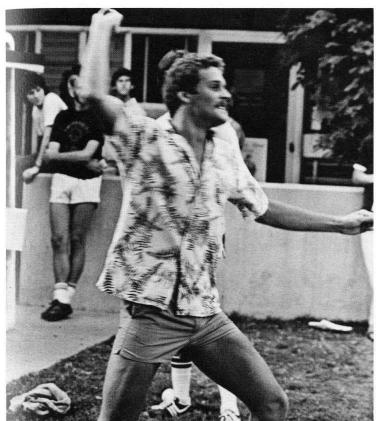




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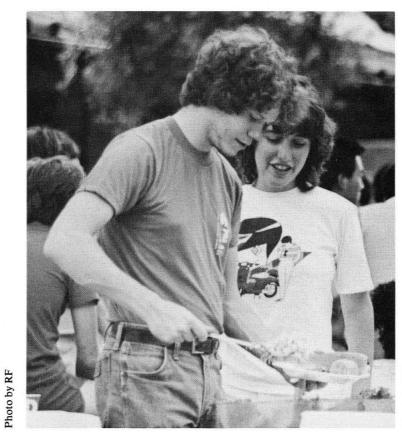


Photo by RF



Photo by RF

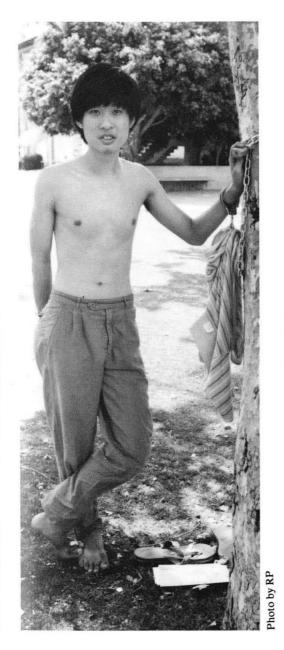
The Year



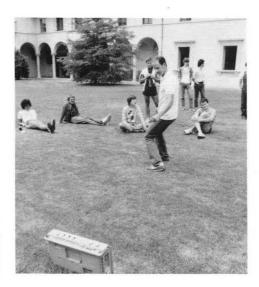


When asked to think of the one event which made living in the Houses worth it, ninety-nine out of one hundred Caltech undergraduates would have to respond: "Senior Ditch Day." And understandably, too. The 1984 Senior Ditch Day was one to rival the rest of them; what with the hijacking of a 747 at Boeing HQ or the remote controlled tank stack? And, of course, there was the standard silly senior who forgot to leave campus on the fateful day. But come five o'clock, little but demolished bribes and memories lingered in the alleys.

The Year







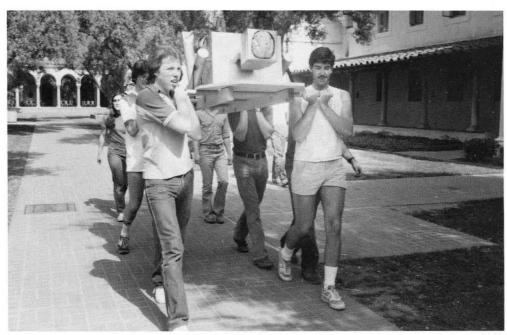


Photo by RP



Photo by KP

The Year







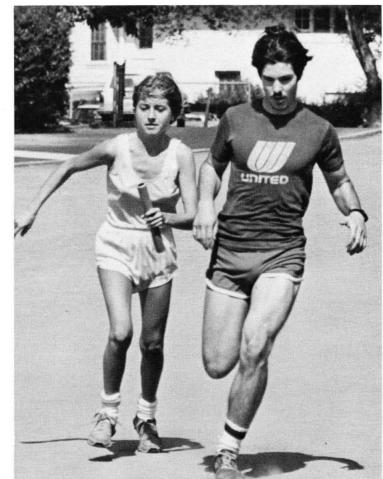
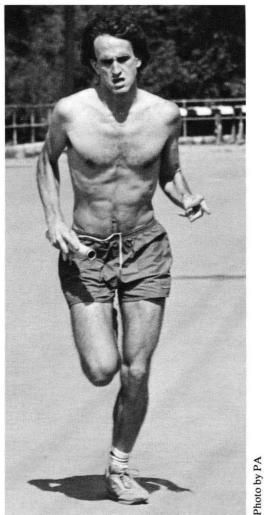


Photo by PF







And would the year be complete without KELROF, that twenty-four hour ode to sado-masochism? NO!, the cry is heard. The 1983-84 KELROF clocked some of the fastest times known to Caltech, with the winners eclipsing old marks. And the tradition of strange and exotic

names was continued with "Page Frosh", "W.I.M.P.S.", "SOPS", and "Scurves", to name a few. And we mustn't forget the masses of people who made the whole event possible: the timers, the judges, the support crew for each team and, most of all, the audience who cheered every lap.



Page Frosh—(top row, left to right) Miickey Speigel, Tom Gould, Vince Ferrante, Will Evans, Joe Williams, Mike Burl, Dave Parkinson, (bottom row, left to right) Mike Jensen, Rob Luenberger and Darin Acosta.



W.I.M.P.S. – (top row, left to right) Chris Lutz, Bob Kelley, Roy Kuhlineyer, Paul West, Harold Felton, Elliot Andrews, Eric Smith (bottom row, left to right) Chloe Webb, Tom Gelden, Stephen Vass, Tracy Handel.



SOPS—(top row, left to right) Fred Randall, Per Reinhall, Ralf Peek, Geoff Dreyer, Keith Harshman, John Lee (bottom row, left to right) Bill Dorlon, Thiam-Soon Tan, Nick Jones, Jim Sterling.



Scurves—(top row, left to right) Craig Leller, Evan Bak, Dave Sivertsen,?, Steve Brown, Bruce Richman (in a row by herself) Yvette Madrid bottom row, left to right) Rolf Sandergaard, Clea Bures, Joy Watanabe, George Karas, Tim Slagle.



Photo by PA

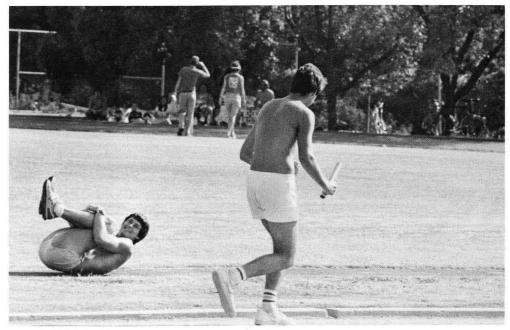
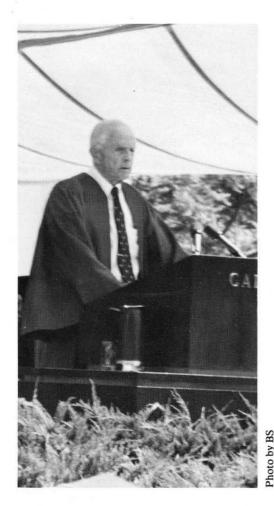
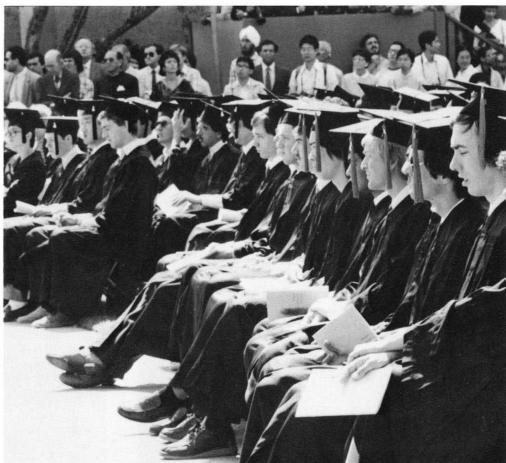


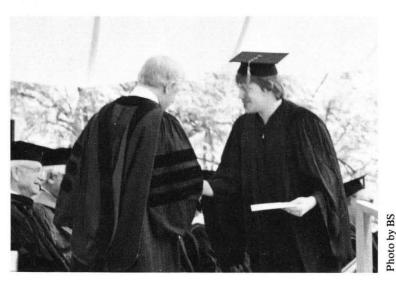
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And now the saddest moment of the year is upon

us. This is, of course, commencement, when the seniors are ceremoniously cast into the real world. What joys, what despair, what friendship, what love will they find out there? Only time will tell. But as the hugs, cries and kisses upon receiving of the diplomas recede into the far distant past, one thing shines forth to remind us of these undergraduate days: the peace-of-mind we found when Dr. Goldberger said, "Congratulations."





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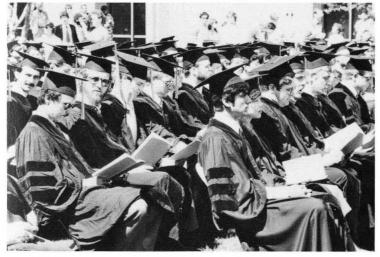
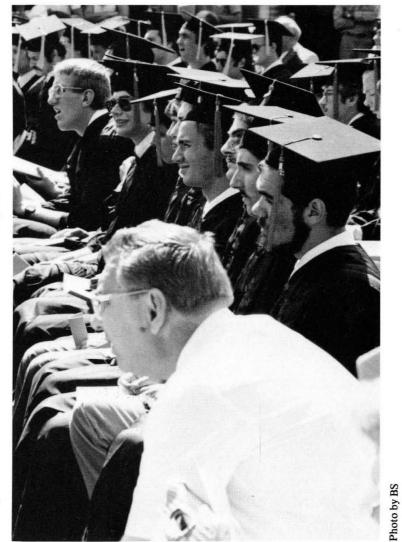


Photo by BS





The Year



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Seniors

Singles

Glyn H. Anderson (100) Computer Science Cypress, CA

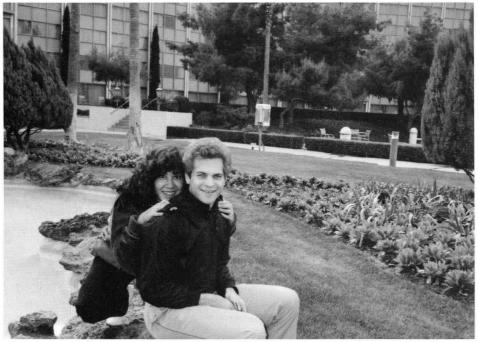
Greg Bala (100) Applied Mathematics Novato, CA

Physics

Brad Axan (100) Sepulveda, CA



GA



GB



Terence Barr (100)

James Bell (55)

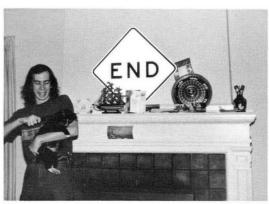
Steve Baxter (116)

Geophysics Houston, TX

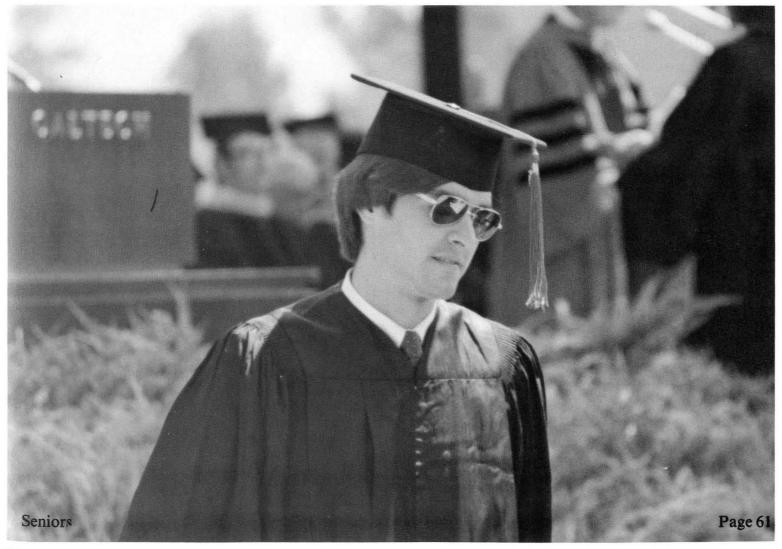
Aeronautics El Paso, TX

Chemistry Canyon County, CA





TB JB





JB



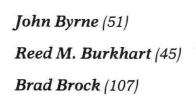


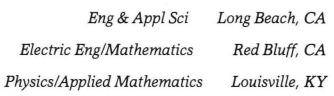




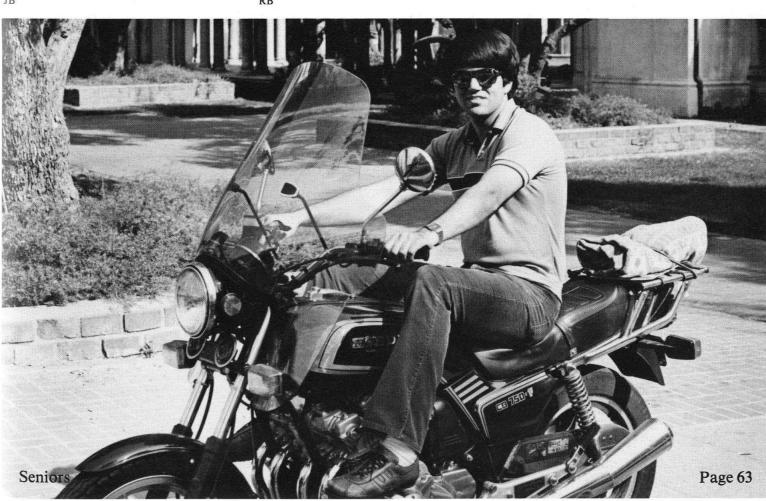












Dominic Chung Lau Chan (100) Hong Kong

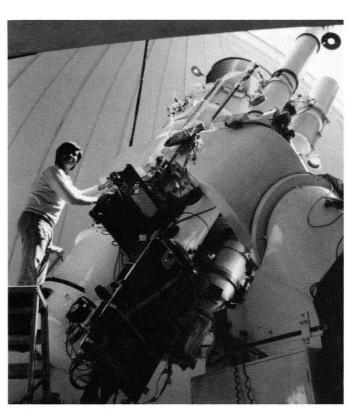
Eng & Appl Sci

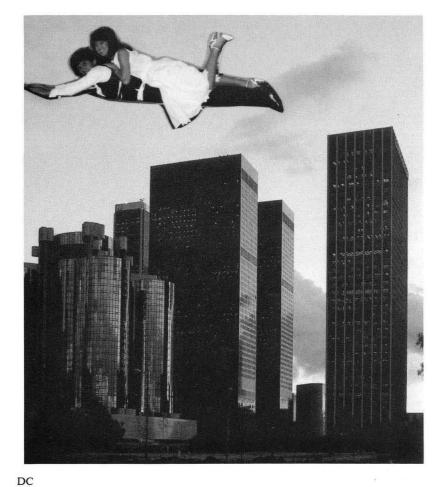
Electrical Eng

Dave Chavez (100) Los Angeles, CA

> Joe Costa (100) Rialto, CA

Appl Physics/Appl Mathematics





DCLC



Page 64



Jeff Clayhold (100) Physics

Kennewick, WA

Thaddeus J. Conneally (152) Chemical Eng Lombard, IL



This page:

Biology

Dan Davis (111) Sioux Falls, SD

Chemistry

Evan F. Cromwell (63) St. Louis, MO

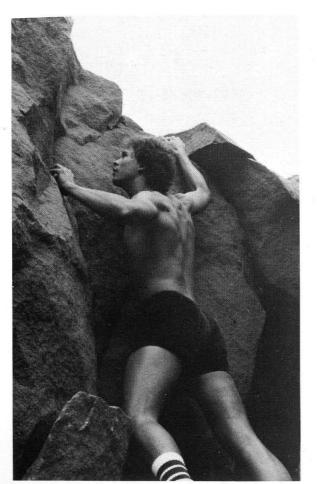
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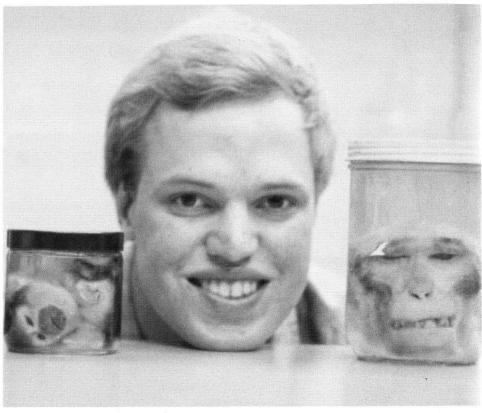
Dave Durham (83) Andrews AFB, MD

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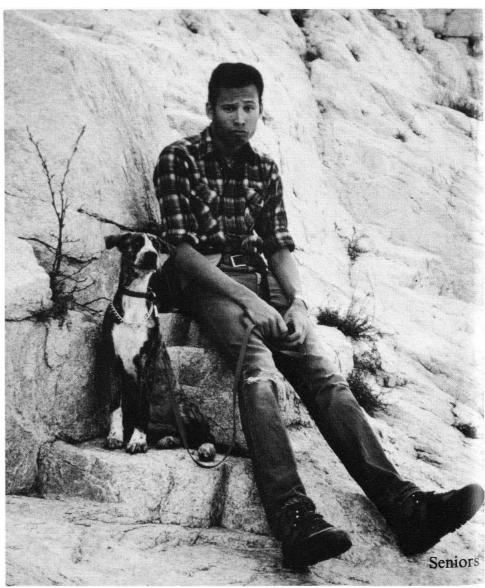
Eng & Appl Sci

Jim Determan (162) Running Springs, CA



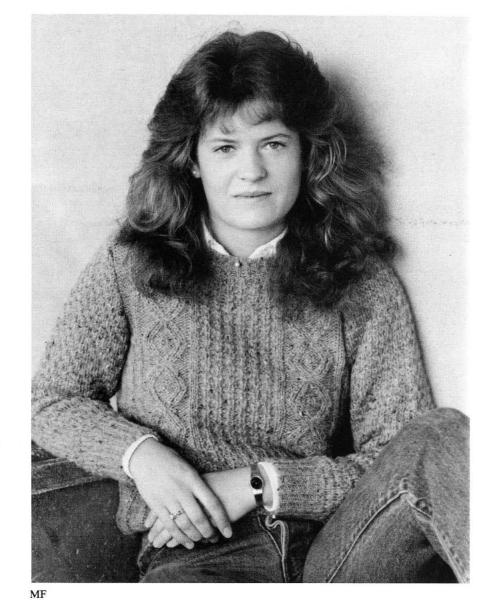


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DD 8





Seniors

This page:

Eng & Appl Sci

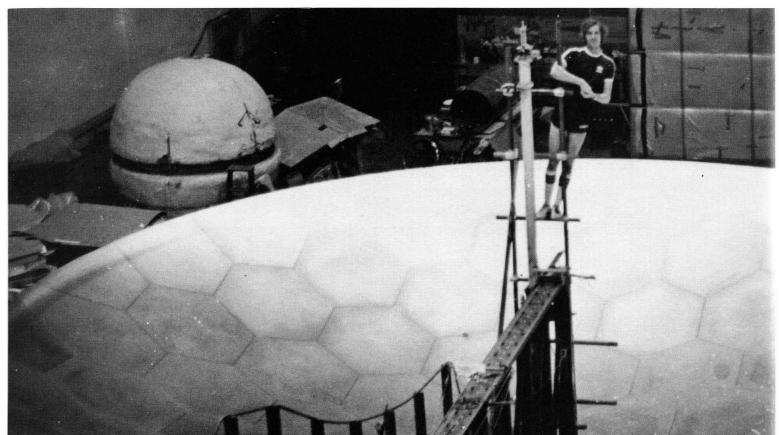
Melissa Farrell (130) Sitka, AK

Electrical Eng

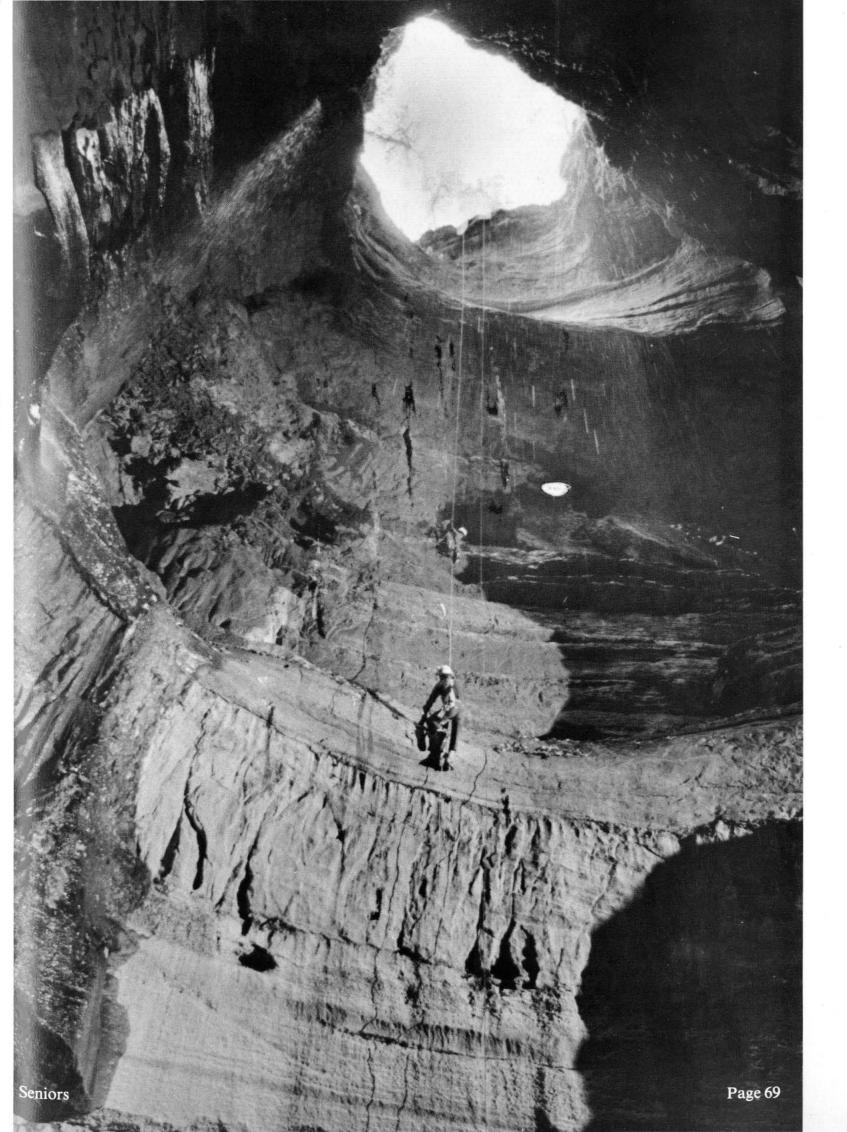
Hank Erving (105) Tarzana, CA

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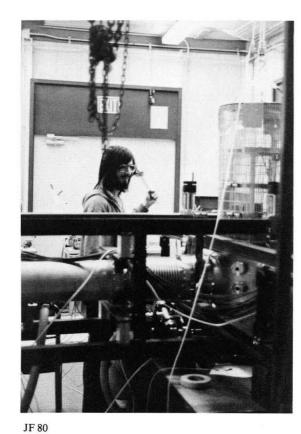
REESE FAUCETTE (126) Houston, TX Eng & Appl Sci



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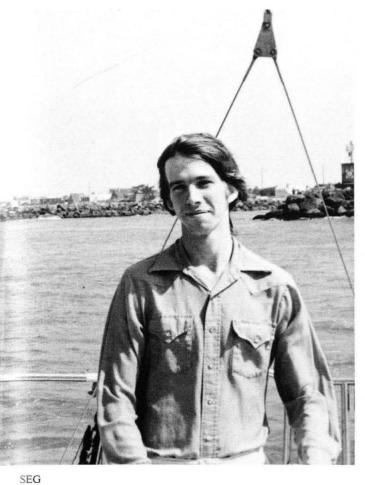
JF 100

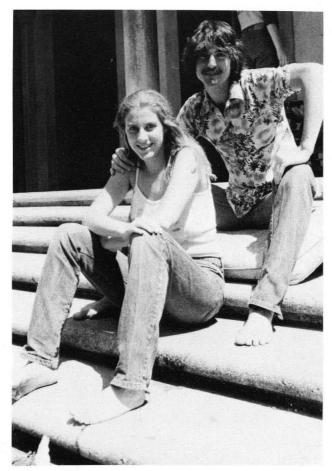
John Fong (100) Physics San Francisco, CA

Josef Frisch (80) Physics Elizabeth, NJ

Michael Fernandez (75) Appl Physics Oak Park, IL







This page:

Physics

Biology and Chemistry

Electrical Eng

Appl Physics

Stuart E. Goodnick (100) Littleton, CO

Scott Gordon (69) Woolongong, NSW Australia

Roy Hashimoto (72) Florence, AL

Kirk Haselton (96) Tustin, CA

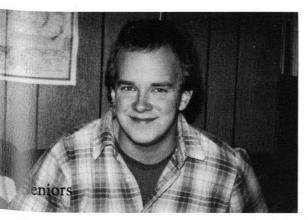
Steven A. Havstad (70) Livonia, MI

Next page:

Physics

Electrical Eng

David Hawley (119) Fallbrook, CA



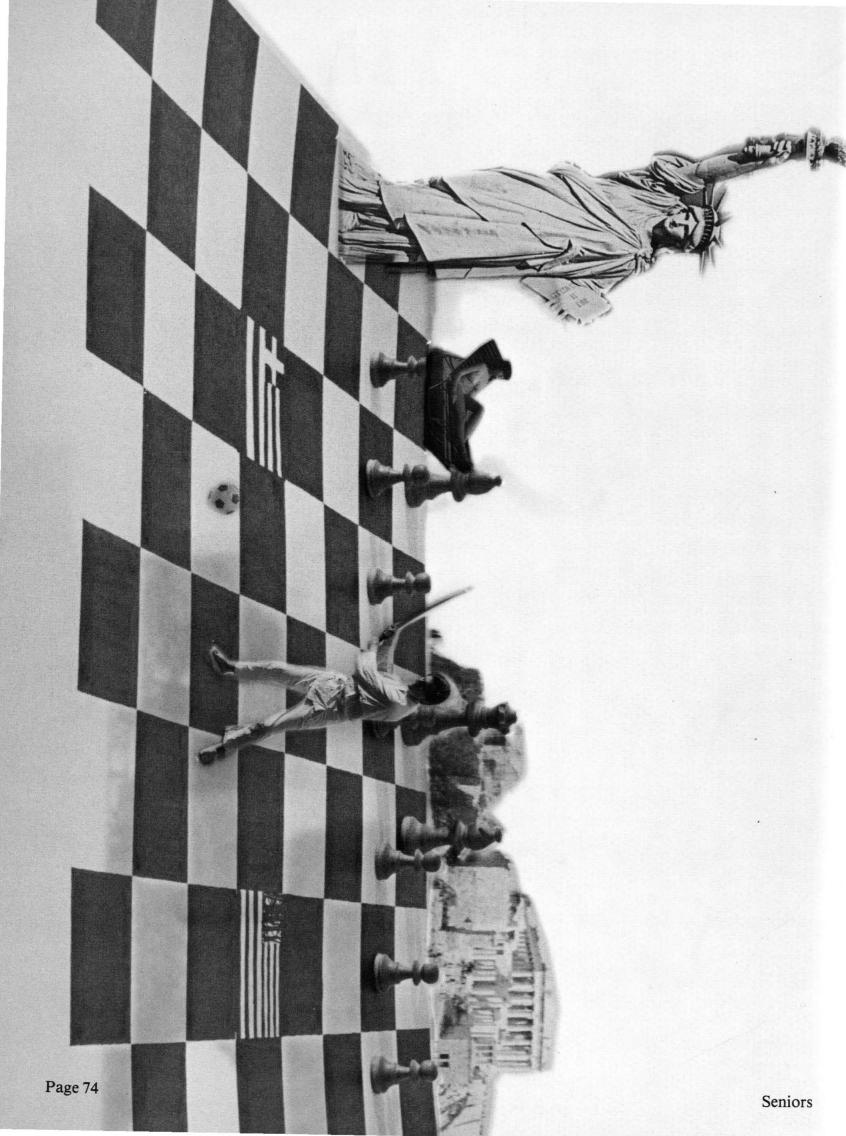


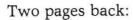
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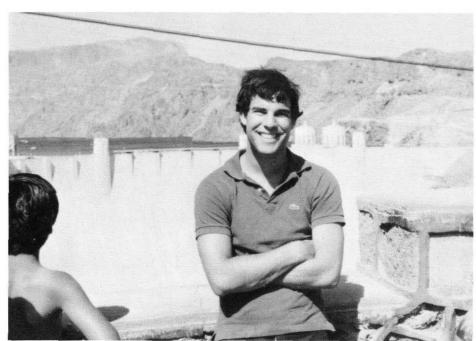
ge 73 Seniors





Vance Richard Haemmerle (119) Astronomy San Diego, CA





TH





GK



One page back:

Gregory T. Kavounas (122) Electrical Eng Minneapolis, MN

This page:

Kenneth Hui (81) Physics

Hong Kong

Thomas Heer (104) Biology

La Canada, CA

Masahiko Inui (86) Physics

Nara, Japan

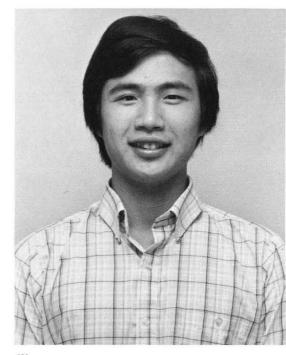
George N. Karas (39) Eng & Appl Sci Panama City Beach, FL

Morry Katz (77) Eng & Appl Sci

Los Angeles, CA

Seniors





Physics

Takashi Kimura (120.5) South Portland, ME

Compu Sci

Irwin King (35) Glendale, CA

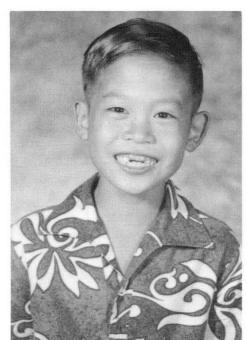




SK

Siu-Ling Ku (71) Eng & Appl Sci San Francisco, CA

Tak Leuk Kwok (72) Hong Kong **Physics**



TLK





Wuwell W. Liao (112) Physics Alhambra, CA

Page 76



Robert Kelly (110)

John Krehbiel (85)

Eng & Appl Sci

Rochester, NY

Eng & Appl Sci

El Cajon, CA

Asad Khan (81)

Bloomington, MN Electrical Eng/Economics

Eng & Appl Sci

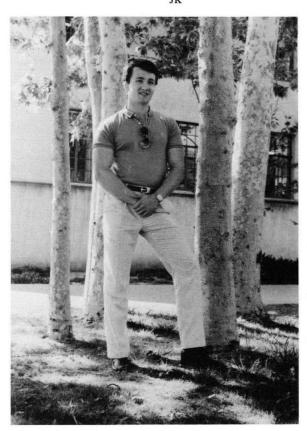
Passaic, NJ



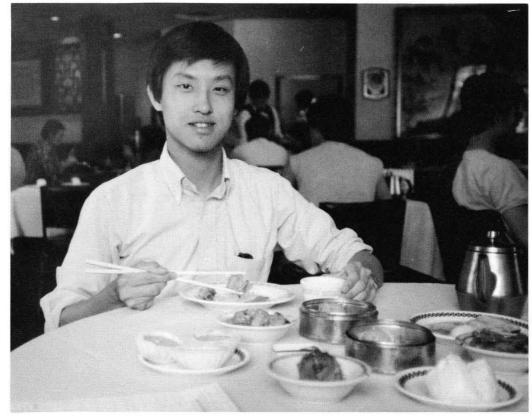


RK





TK



Joseph Lee (57) Chemical Eng Anaheim, CA

Mark David Lindsay (132) Physics Denver, CO

Jonathan Leech (86) Compu Sci Denver, CO

Yung Chan Lim (64) Electrical Eng Seoul, Korea







JL 86



Gino Maa (69) John Mahony (62.5) Electrical Eng

Huntington Beach, CA

Mathematics

Alton, IL

Alan Mak (129)

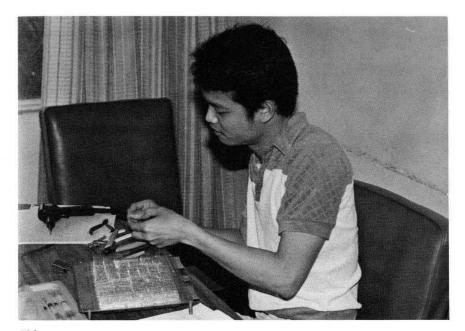
Appl Physics

Hong Kong

Evan Manning (89)

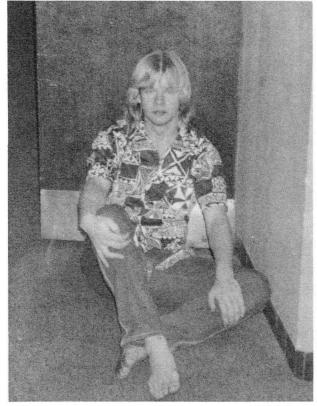
Appl Physics

Miami, FL

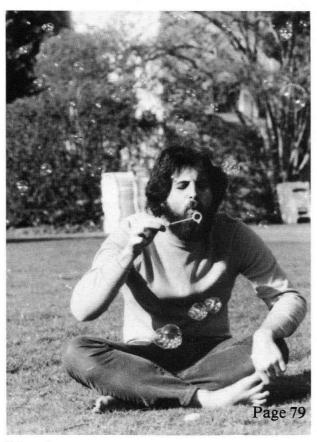








JM



EM

David Marvit (100) Biology Swampscott, MA Mark Marley (100) Geophysics & Planetary Science Moses Mares (77.5) Chemical Eng

D. Laurence Meixner (87) Chemical Eng

James R. Mayhew (116) Appl Physics St. Louis, MO

Phoenix, AZ

El Paso, TX

Fair Oaks, CA

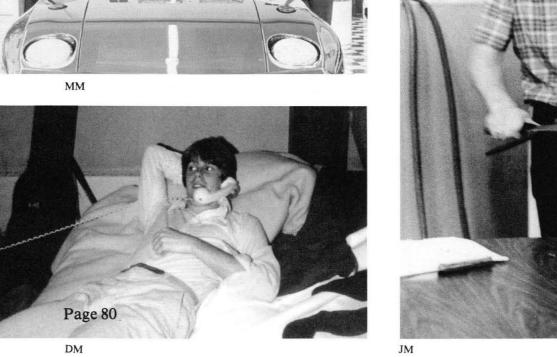


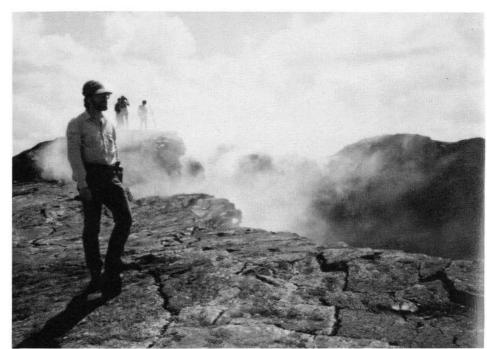
DM













Warning: The Surgeon General Has Determined That Studying Is Dangerous to Your Health.



You've come a long way; maybe.





NM





Last page:

Debbie Mathews (109) Eng & Appl Sci Evergreen, CO

This page:

Candice McCoy (55.5) Biology Salt Lake City, UT

Niels Erik Michelsen (55.5) Electrical Eng Bakersfield, CA

Alan Murray (89) Appl Mathematics Santa Ana, CA

Robert Mostert (89) Chemical Eng Sacramento, CA

Michael McDowell (120)
Striving for
the American Way
in Red Square
Appl Physics
Tucson, AZ



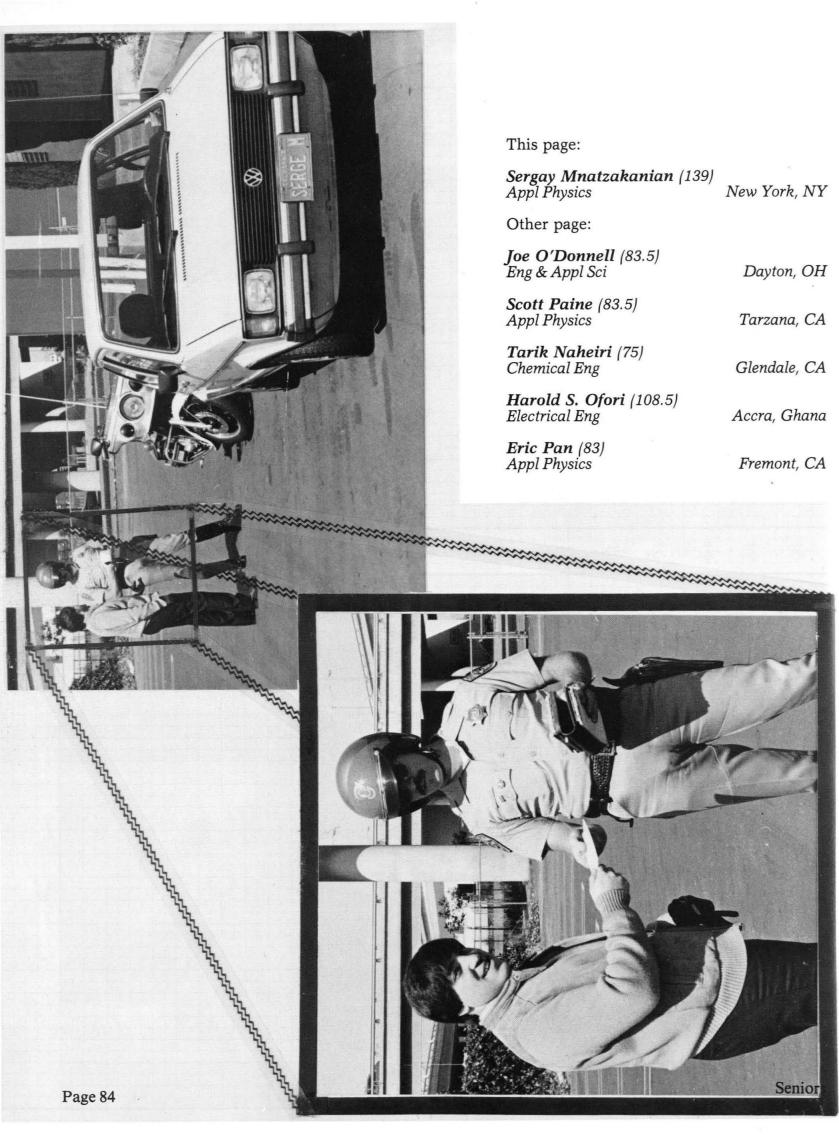
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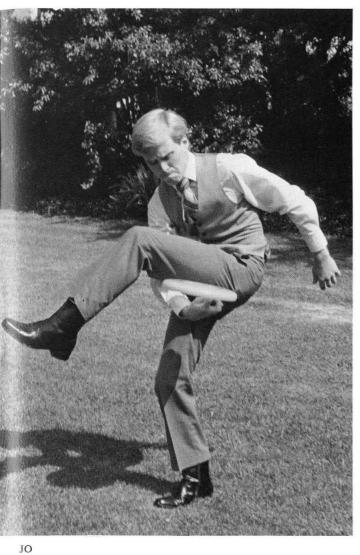


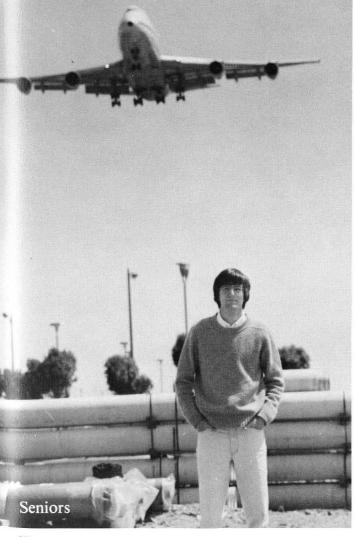
Lisa Nikodym (124.5) Eng & Appl Sci San Diego, CA

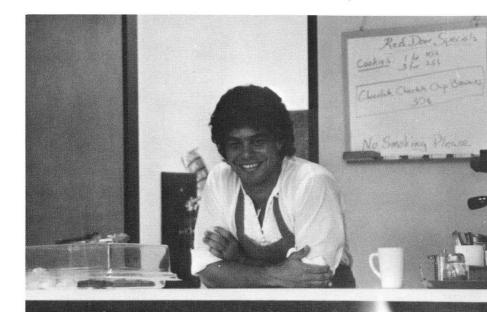
Elizabeth Newman (123) Chemical Eng San Diego, CA



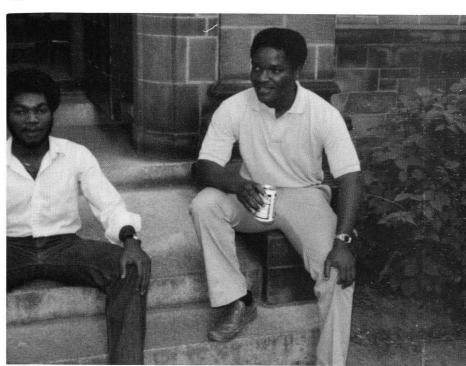




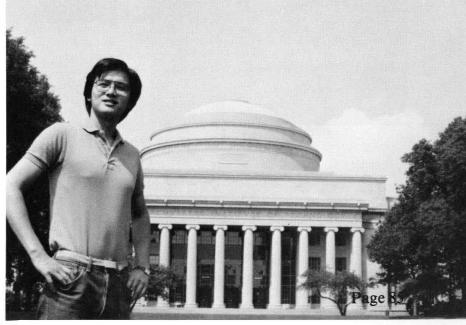


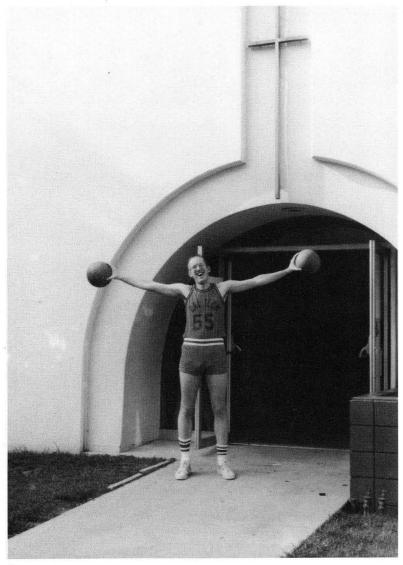


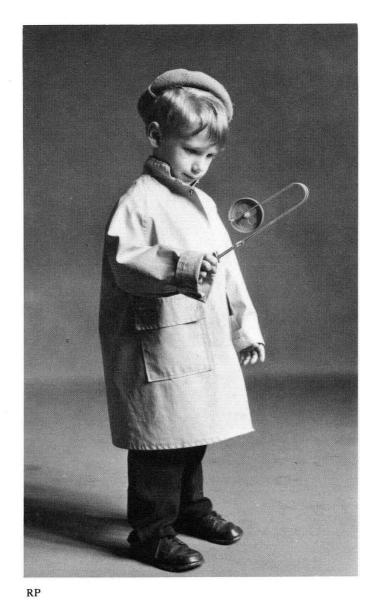
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НО





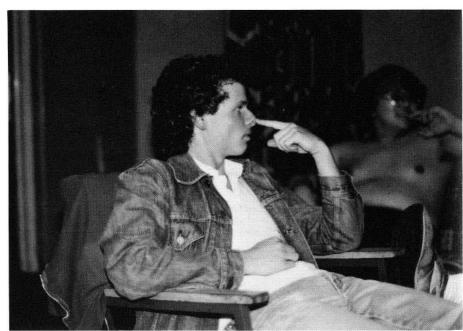


SP

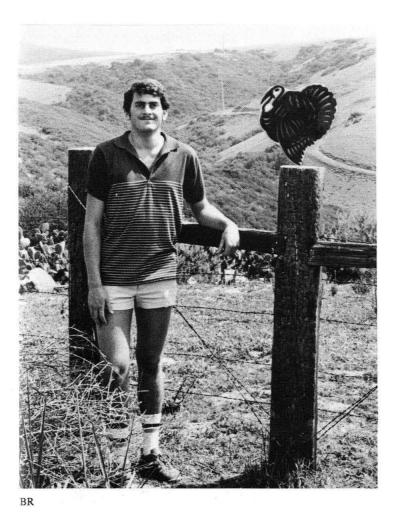
Stewart A. Peebles (115) Appl Mathematics Sunnyvale, CA

Ricky Phillips (87.5)
One photo deserves another!
Love, Mom
Appl Physics New York, NY

Mathematics George H. Pitt III (96) Ketchikan, AK



GP

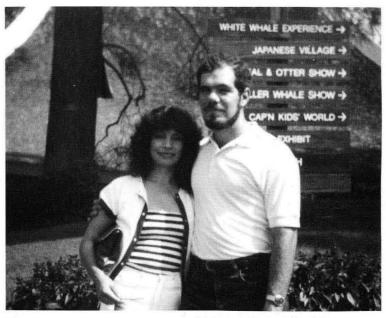


Physics

Chemical Eng

Bruce Richman (105) Newport Beach, CA

Pedro Rodriguez (90) Bakersfield, CA



PR



This page:

Suzanne Rosik (71.5)

Doug Ruden (57)

Next page:

Darrell Schlom (125)

Mechanical Eng

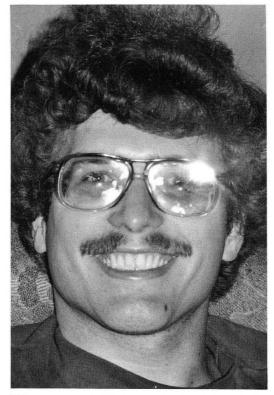
Gig Harbor, WA

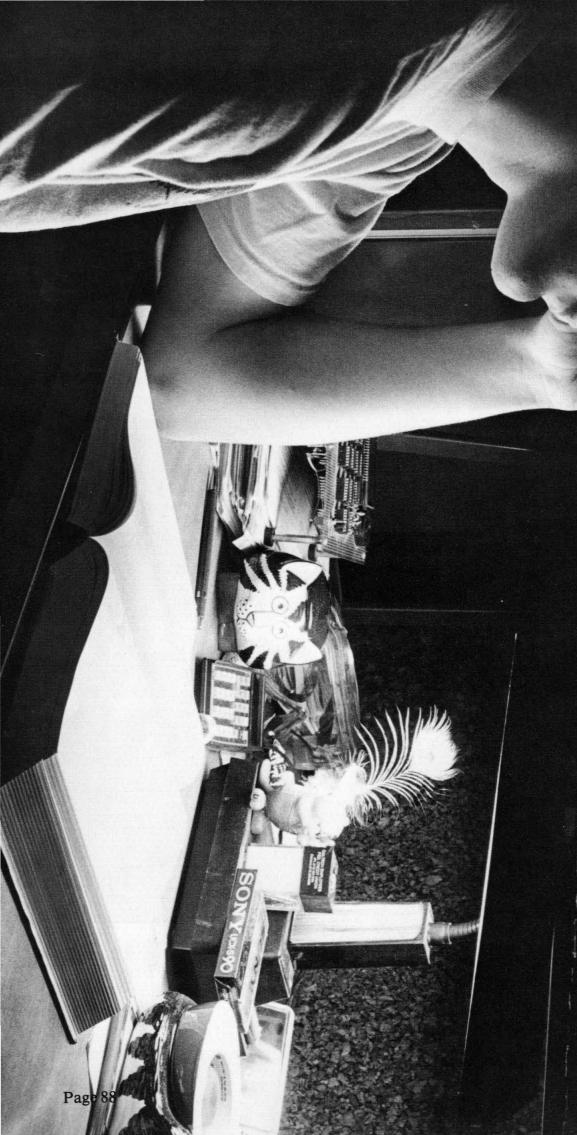
Biochemistry

Tiffin, OH

Material Sci

Lemon Grove, CA





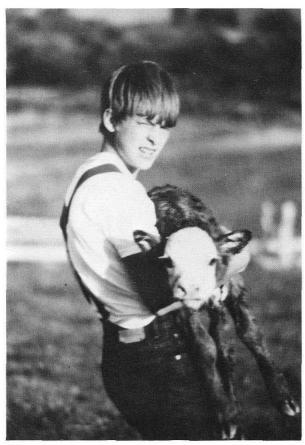
Spiritu amitana

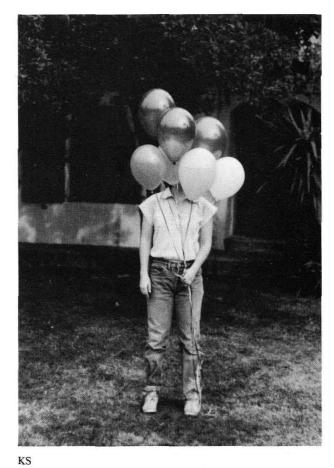
DICTIONS

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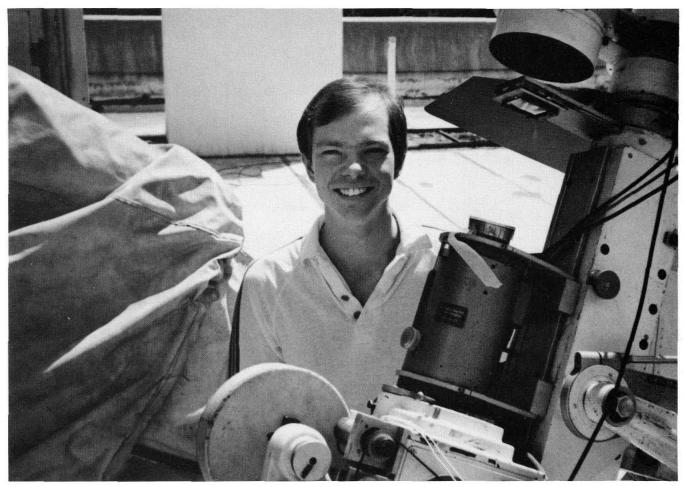
Deutsch heute Grundstute

Seniors





JS



DS

John Sahr (70)

Kelley Scott (90)

David Sahnow (107)

Electrical Eng

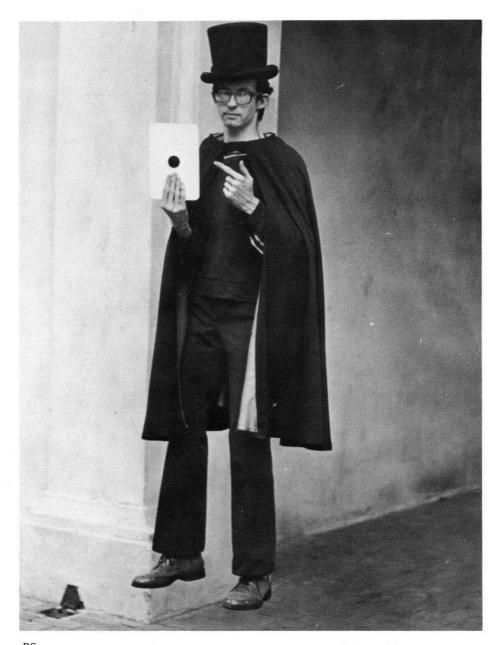
Mechanical Eng

Selah, WA San Gabriel, CA

Physics

Warwick, RI



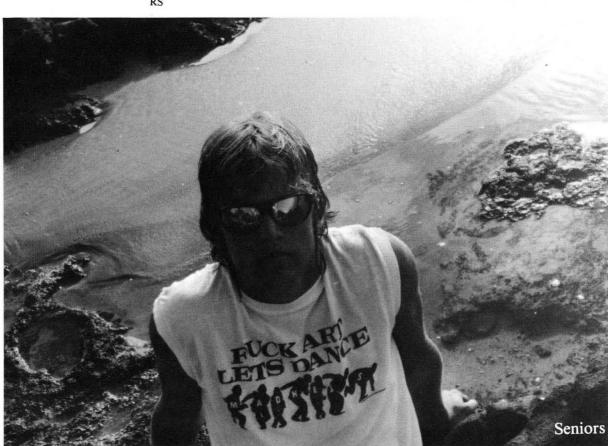


KS

Kathleen R. Sheedy (77.5) Eng & Appl Sci Los Angeles, CA

Roderic Schmidt (106) Eng & Appl Sci Carmel, CA

> Phil Scott (129) Chemical Eng Poway, CA



Page 90







Jen Shu (100) Chemical Eng Los Angeles, CA

Chris Stassen (78) Eng & Appl Sci Newark, OH

Clare Stassen (78) Eng & Appl Sci Fountain Valley, CA

David A, Schultz (133) Economics Sepulveda, CA





SS

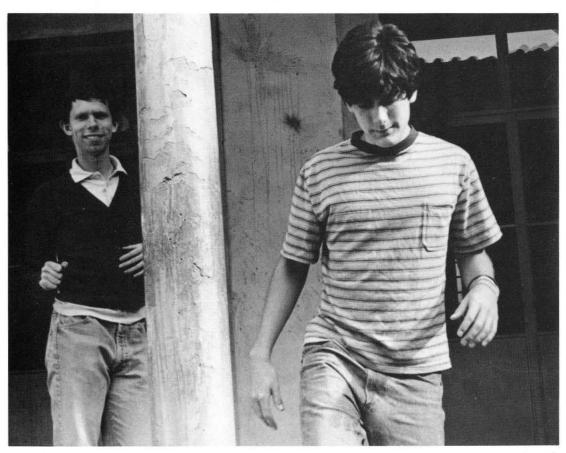
This page:

Jon Shapiro (81) Mathematics Cypress, CA

Scott Stephens (86) Appl Physics/Astronomy Banning, CA

Peter Siracusa (114) Eng & Appl Sci Corpus Christi, TX

Eliza Leeds Sutton (61.5) Chemistry Palo Alto, CA



Following page:

Ed Suranyi (116)

Appl Physics

North Hollywood, CA

Alma Gregory Sorensen (100) Biology

South Pasadena, CA

Lee Sunderlin (110.5)

Chemistry

Federal Way, WA



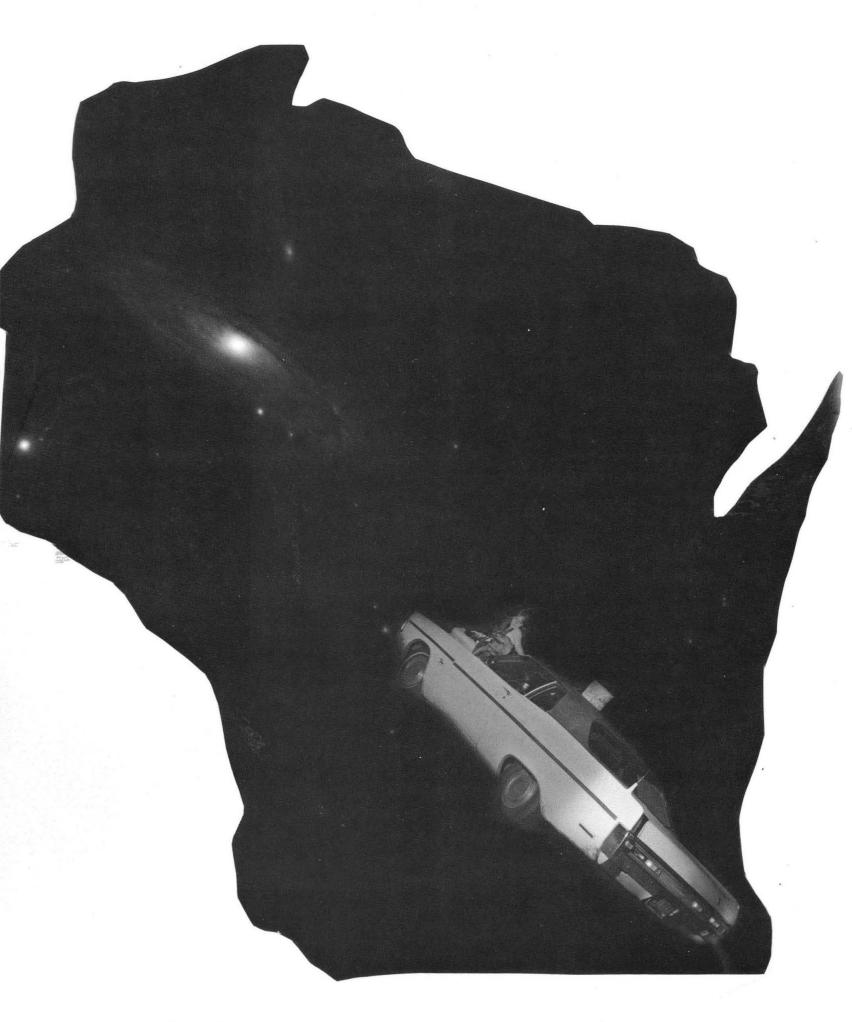


ES





LS



Steven Roger Swanson (120)

Astronomy







HT

Janet Tamada (79.5) Chemical Eng

Han Toh (30) Appl Physics/Appl Math

George Tolomiczenko (128) Independent Studies Program

Barbara Jo Turpin (67) Eng & Appl Sci

Camilla Van Voorhees (89.5) Biology Seattle, WA

Singapore

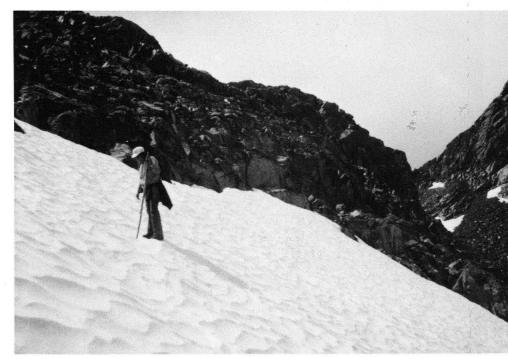
Toronto, Canada

Federal Way, WA

Kentfield, CA



CV



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Laura Wilson (84) Environmental Eng San Mateo, CA

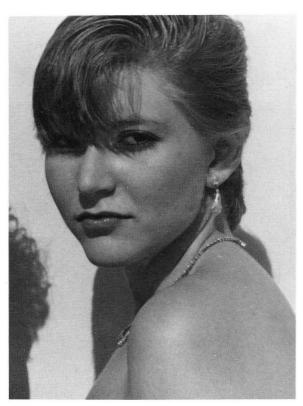
Ted Williams (88.5) Appl Phys/Eng Anaheim, CA

Mark Waggoner (106) Physics Altamonte Springs, FL

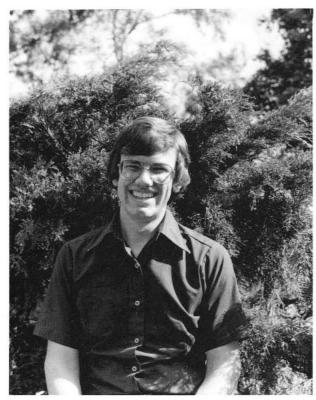
Not this page:

Brian Tipton (81) Mechanical Eng Englewood, OH

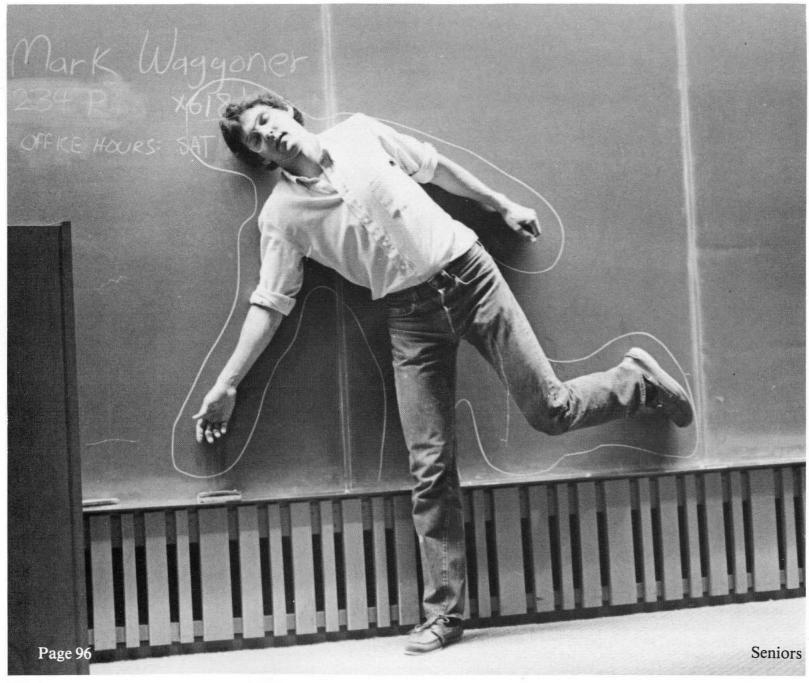
Harold Weiser (85) Physics Brooklyn, NY

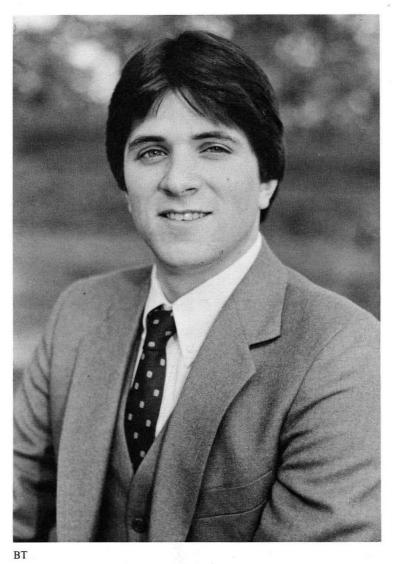


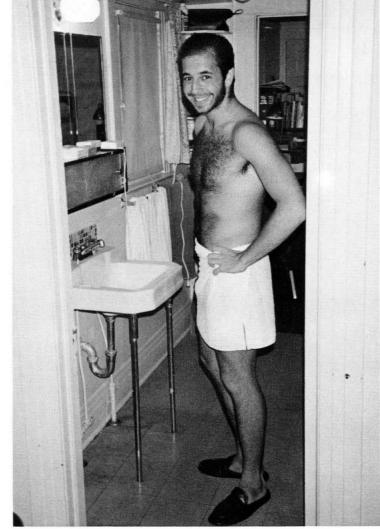




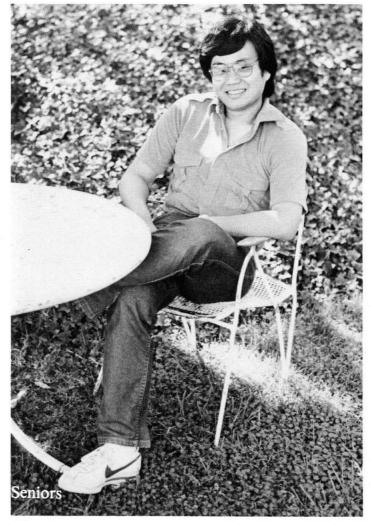
ŢW











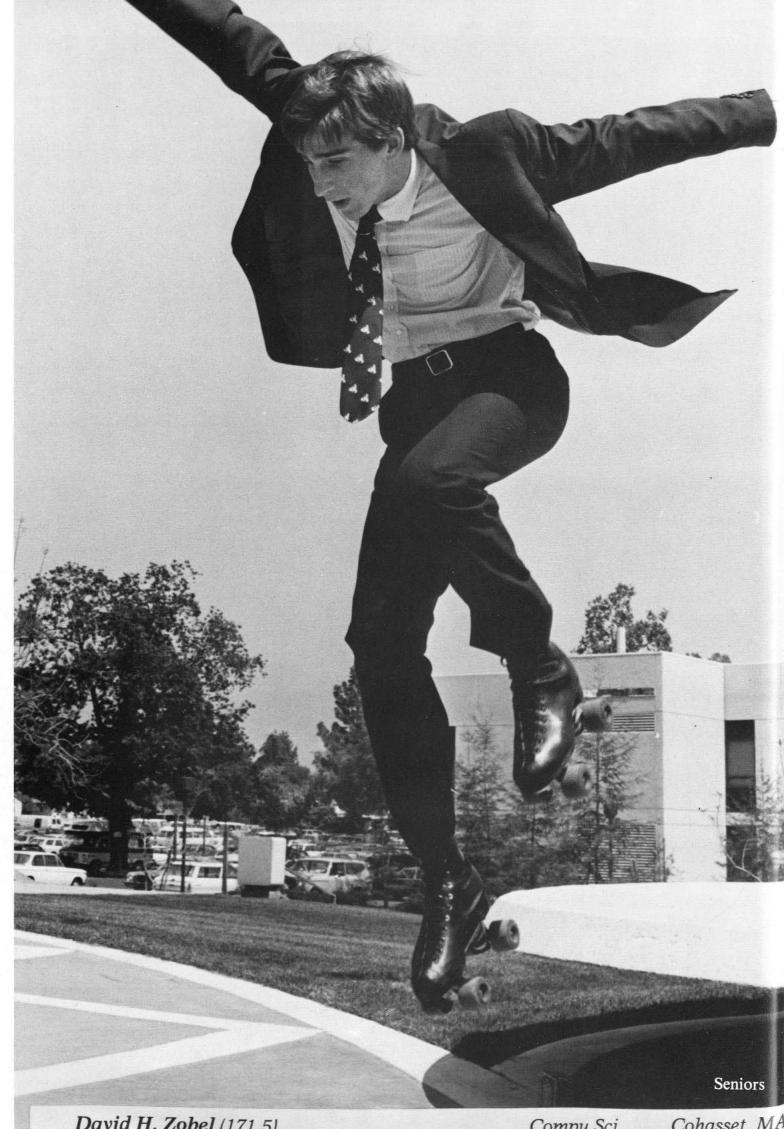


GW

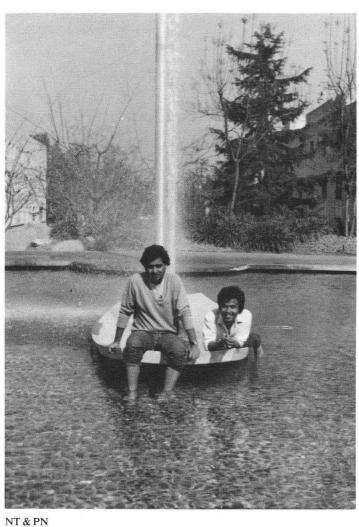
Satoshi Yoshizawa (82) Appl Physics

Guy Wisanrakkit (106) Chemical Eng Kawasaki, Japan

Bangkok, Thailand



David H. Zobel (171 5) Compu Sci



NI & FIN

Mike Terepka Physics Parma, OH



Doug Freyburger Electrical Eng Pasadena, CA

Norman Princen Aeronautical Eng Peoria, IL



Connie Bennit Chemical Eng Ogden, UT

Nadeem Tufail Chemical Eng Lahore, Pakistan



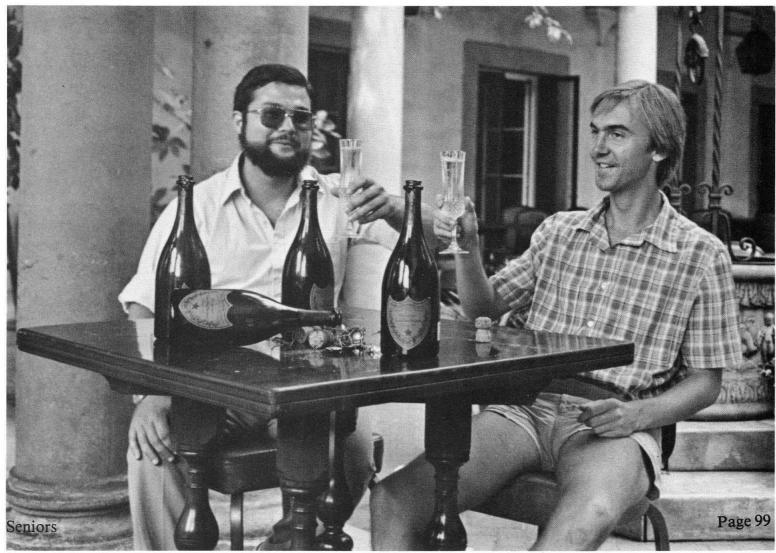
Phu Nguyen Chemical Eng Los Angeles, CA







Twins



John H. Chang Electrical Eng Austin, TX



Kriengkrai Wisanrakkit Chemical Eng Cambridge, MA

Triplets

David Hayes Eng & Appl Sci Los Angeles, CA



Tom Remmers Chemical Eng Fairfax Station, VA



Timothy Magee Electrical Eng Tucson, AZ



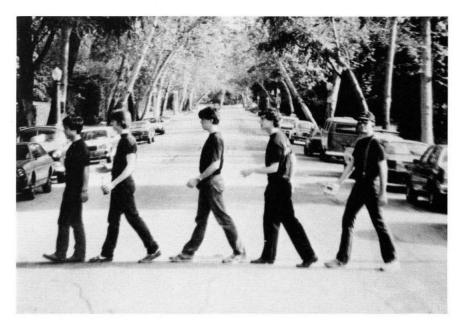


JC,JC,KW









Quintuplets

The Men of Maxwell:

Mark Scott Abeln Physics

St. Louis, MO

Eric R. Grannan Physics

Riverside, CA

Stephen Edward Jones Physics

Riverside, CA

Joel Villasenor Physics

Quezon City, Phillipines

Ned Wingreen Physics

Studio City, CA



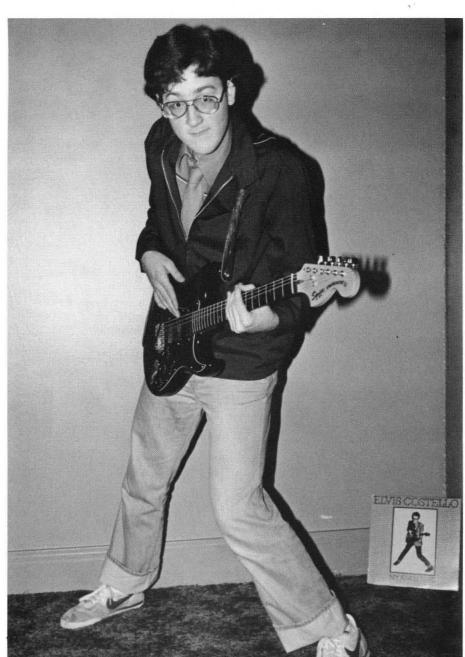


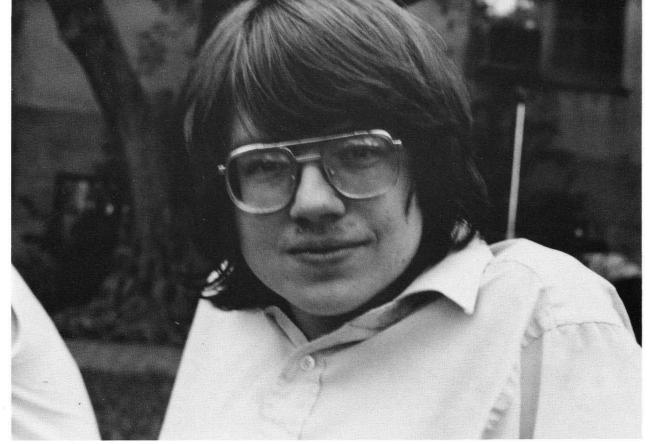
PB

Decuplets nir

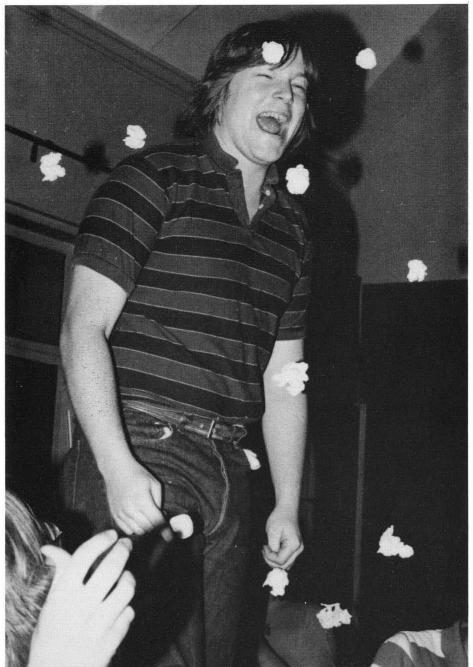
Paul "Reggie" Berglund Vocals Mathematics Tarrytown, NY

Charles J. "C.J." Cuny Guitar, vocals Economics/Mathematics Sacramento, CA



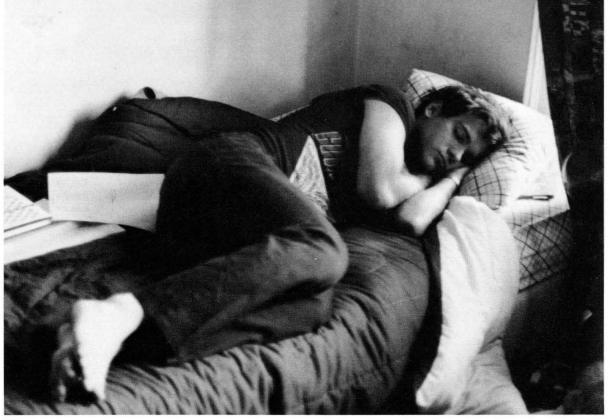


KC



Kent J. Cantwell Keyboards Mathematics Paramount, CA

Joseph E. Decker Drums Mathematics Castro Valley, CA



KH

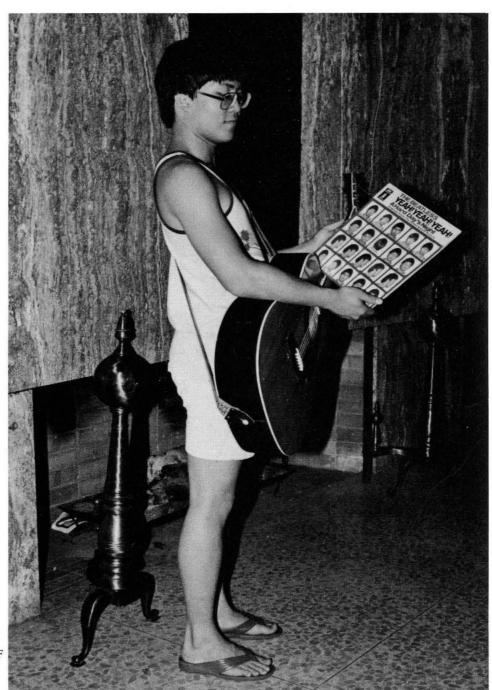
This page:

Keith M. Hughes Sound & Mix, harmonica Eng & Appl Sci Reconstitution Rancho Cordova, CA

> Tracy T. Furutani Guitar, vocals Chemistry/History Sun Valley, CA

This page and one:

Roger B. Fong Photos Electrical Eng Los Angeles, CA





Seniors



MT

This page:

Mark D. Tinkle Drums, sitar Physics Anaheim, CA

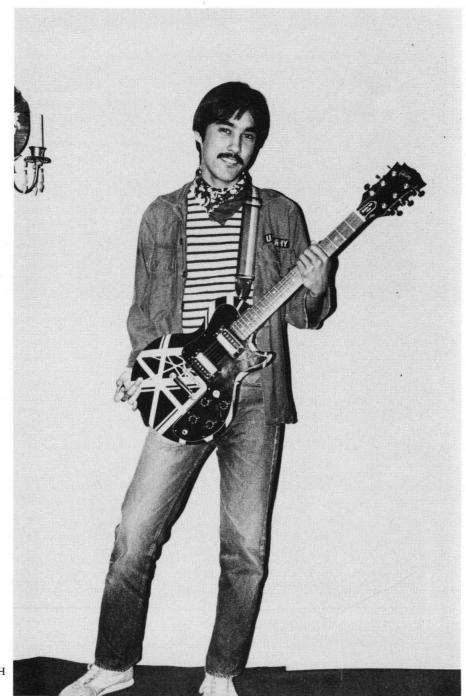
Elliot B. Hohri Bass, vocals Electrical Eng Long Beach, CA

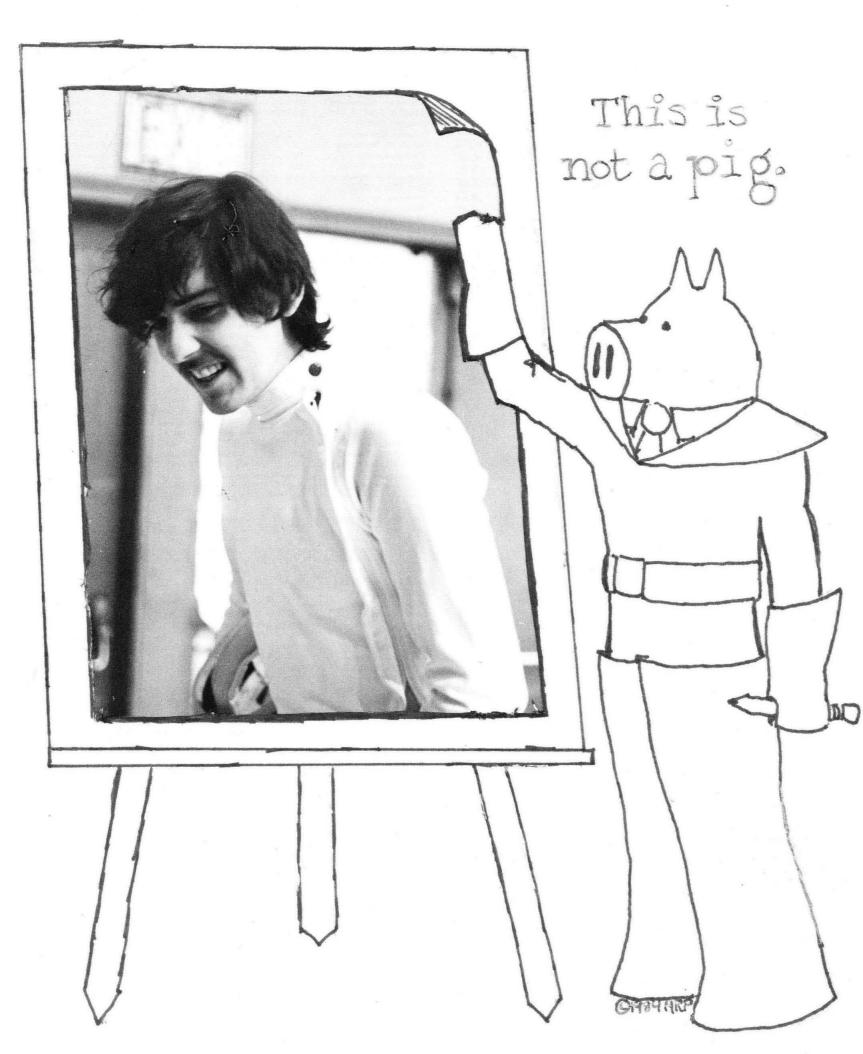
That page:

Mark R. Purtill
Drums
Mathematics
Bellingham, WA



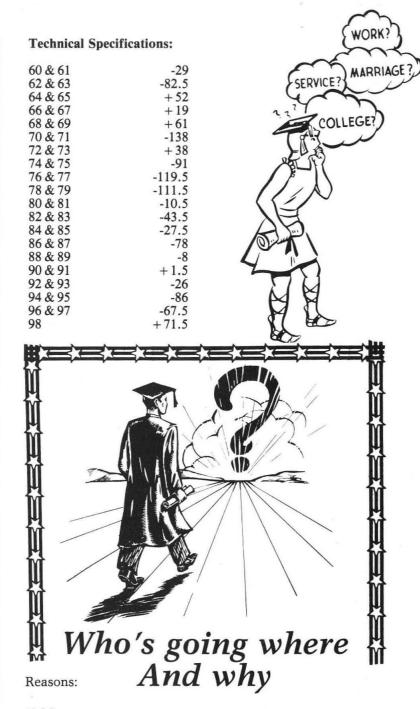






Name	Option	Next year's Employer/Grad School/etc	Name	Option	Next year's Employer/Grad School/etc	
Abeln, Mark	PH	Unknown	Grannan, Eric Ralph	PH	Cornell	
Ammon, Michael Norman	ENG	Unknown	Grieve, Peter	PH	Unknown	
Anco, Stephen C.	PH	Princeton	Haemmerle, Vance Richard	AY	University of Arizona, Tuscon AZ	
Anderson, Glyn Harold	ENG	Activision, Mountain View	Haghi, Mehrdad	APH/ENG	MIT	
Anderson, Robert C.	ENG PH	Hughes, El Segundo CA	Harrison, Patrick J.	EE	Unknown	
Axan, Bradley Michael Bala, Gregory Paul	AMA	Caltech (work), UCLA (school) IBM, Westlake CA	Haselton, Kirk Raymond	APH	Cornell	
Ballard, Clinton	MA	Starting own company	Hashimoto, Roy Tadashi Havstad, Steven A.	EE PH	Aerospace Corp., El Segundo CA	
Banerjee, Kaushik	EE	Stanford	Hawley, David Warren	EE	Unknown National Semiconductor, Santa Clara CA	
Barr, Terence David	GEPH	Princeton	Hayes, David Christopher	ENG	Silicon Systems, Tustin CA	
Basu, Ramanuj	BI	moving to Berkeley	Heer, Thomas Ewald	BI	UCLA School of Medicine	
Baxter, Steven Michael	CH	Cornell	Herrmann, Anne	ENG	IPL, Pasadena CA	
Bell, James Horatio	ENG	Stanford	Hicks, Jeffrey	APH	Hewlett Packard, Northern California	
Belongie, Mignon Lisette	EE	UCLA	Hohri, Elliot Brooks	ENG	N.H. Research, Southern California	
Bennit, Constance Susan	CHE	University of Washington, Seattle WA	Holst, Mark Robert	CHE	DOW Chemical, Pettsburg CA	
Berglund, Paul Gordon	MA	Unknown	Holt, Keith Anan	EE	TRW, Redondo Beach CA	
Birdseye, Theresa Renee	CHE	Intel, N. California	Honrath, Richard Edward Jr.	ENG	Carnegie Mellon	
Bonafede, Daniela Maria Clara		Harvard	Howley, John	APH	Unknown	
Bouzari, Keykhosrow A.	EE/EC	MIT	Hui, Kenneth	PH	MIT	
Brattkus, Kirk Eugene	AMA ENG	Northwestern University	Huling, Cecile Bernadette	ENG	Unknown	
Briscoe, Duke Brock, Bradley Wayne	PH/AMA	Beckman Instruments, Fullerton CA Princeton	Hunt, Hiram Morris	EE	Unknown	
Bryan, Carol Jacqueline	CH	U.C. Santa Cruz (work), MIT (school)	Inui, Mashiko	PH	Stanford	
Burak, Chris John	APH	Hughes Electro-Optical, El Segundo CA	Jones, Stephen Edward	PH BI	Cornell Phytogen Passadone CA	
Burch, Jerry Robert	ENG	Caltech	Kanzelberger, Kirk George Karagulla, Karim Fahmi	ENG	Phytagen, Pasadena CA Caltech	
Burfoot, Joseph Ken	ENG	IBM, San Jose	Karas, George Nicholas	ENG	Lockheed, Burbank CA	
Burkhart, Reed M.	EE/MA	Hughes Space and Comm., El Segundo CA	Katz, Morris Joel	ENG	MIT	
Byrne, John Laird	ENG	Long Vacation	Kavounas, Gregory Theodosios	EE	USC	
Casey, Daren James	ENG	USC	Kazeroonian, Ali S.	PH	MIT	
Chan, Chung Lau	ENG	International Micro Circuits	Kelly, Robert Emmett	ENG	IBM, Sweden	
Chang, Chung-Yee (Joey)	PH	Unknown	Khan, Asad	EE/EC	UC Berkeley	
Chang, John Hsiao-Feng	EE	Hewlett Packard, N. California	Kimura, Takashi	PH	State University of New York at Stoneybrook	
Chavez, David Anthony	EE	Pacific Bell, California	King, Irwin Kuo-Chin	ENG	Xerox, Pasadena CA	
Chen, Pang-Chieh	AMA/ENG	Stanford	Krehbiel, John Edward	ENG	Pacific Bell, California	
Chen, Ze Hua	APH	Caltech	Ku, Siu Ling L.	ENG	MIT	
Chiang, Howard T.	EE	Unknown	Kupiszewski, Thomas	ENG	University of Wisconsin	
Childs, David Werner	ENG	NBI, Boulder CO	Kwok, Tak Leuk David	PH	Harvard	
Chitjian, Mark Scott Clark, Charlotte	ENG ENG	Unknown U.C. Davis	Lau, Brian Kwan Fong	AMA	UC Berkeley	
Clayhold, Jeffrey Aaron	PH	Princeton	Lee, Joseph Kai-Tung	CHE	Exxon, Benicia CA (work)/Harvard (school)	
Conneally, Thaddeus John	CHE	Exxon, Houston TX	Leech, Jonathan	ENG	Caltech	
Costa, Joannes Mario	APH/AMA	Tacan Aerospace Corp, Carlsbad CA	Levine, David Louis Liao, Wuwell Wen-Fang	ENG	JPL, Pasadena CA	
Cromwell, Evan Francis	CH	Western Research, San Diego CA	Lim, Yung Chan	PH/AMA EE	Princeton	
Cuny, Charles John	MA/EC	Stanford	Lindsay, Mark David	PH	Integrated Device Technology Harvard	
Dairiki, Geoffrey Tsuneo	EE	Berkeley	Lischner, Ray Hwan	ENG	Data General, Westboro MA	
Davis, Daniel Cornelius	BI	University of Iowa	Liu, Faan Tone	ENG	Unknown	
Decker, Joe E.	MA	Proximity Design Corp., Sunneyvale CA	Maa, Gino Ko	EE	MIT	
Determan, James Taylor	ENG	McDonnell-Douglas	Magee, Timothy Michael	EE	University of Wisconsin	
Dewitt, James L.	PH	Unknown	Mahony, John Mark	MA	UC Berkeley	
Diffendaffer, Paul Allan	ENG	Unknown	Mak, Alan Yu Lai	APH	MIT	
Disini, Jose Emmanual	EE	Caltech	Manning, Evan Marshall	APH	Hughes Electro-Optical, El Segundo CA	
Doty, Michael Maurice Duiker, Hendrik Matthew	ENG	Unknown	Manning, Gail Anne	ENG	Tencor, Mountain View CA	
Durham, David	EE ENG	University of Colorado, Boulder CO Unknown	Mares, Mosses	CHE	IBM, San Jose CA	
Enescu, Michael Alexander	ENG	IBM Santa Teresa CA	Marley, Mark Scott	GEPH	University of Arizona, Tucson AZ	
Eng, John Edward	EE	Hughes Aircraft (work), Caltech (school)	Marston, John Bradley Martin, Stephen Patrick	PH	Harvard	
Erving, Richard Henry (Hank)	EE	Bell Labs, Holmdel NJ	Marvit, David L.	PH BI	U.C. Santa Barbara Stanford	
Farrell, Melissa Ann	ENG	Travelling in Australia/ UC Berkeley	Mathews, Deborah Lynn	ENG	Hughes Aircraft, El Segundo CA	
Faucette, Reese	ENG	UC Berkeley (hopefully)	Mayhew, James Russell	APH	Still thinking about it	
Fernandez, Erik Jaime	CHE	Cornell	McCoy, Candice	BI	Medical school/work	
Fernandez, Michael Anthony	APH	Unknown	McDowell, Michael	APH	Unknown	
Fink, David James	ENG	Unknown	McLain, Brian Tappan	PH	University of Washington, Seattle WA	
Fong, John Kai	PH	Johns Hopkins, Baltimore MD	Meixner, Donald Laurence	CHE	Exxon	
Fong, Roger B.	EE	Aerospace Corp., El Segundo CA	Merino, James Raymond	AMA	Stanford	
Fossgreen, Donald James	ENG	France (Watson)	Michelsen, Niels Erik	EE	Northrup	
France, Lucinda Joy	EE	Data General, Westboro MA, Dartmouth	Miles, Edward William	APH	TetraTech, San Diego CA	
Freyburger, Doug	EE	JPL, Pasadena CA	Minor, Craig Newton	ENG	Sound Composition Systems ‡, Pasadena CA	
Frisch, Josef Clifford	PH	Stanford		APH	Unknown	
Fun, David Roy	ENG	University of Texas at Austin Stanford		CHE	Unknown	
Furnitani Tracy Tokochi						
Furutani, Tracy Takashi Goodnick, Stuart	CH/H PH				UC Berkeley	
Goodnick, Stuart Gordon, Scott Wallace	PH CH/BI	U.C. Santa Cruz Australia	Murray, Alan Glenn	PH/AMA CHE	Stanford Air Products	

Name	Option	Next year's Employer/Grad School/etc
Nguyen, Phu Thien	CHE	Medical School/IBM, San Jose CA
Nikodym, Lisa Anne	ENG	UC Berkeley
O'Donnell, Joseph Robert	ENG	Hughes Space and Comm., El Segundo CA
Ofori, Harold	EE	Virginia Tech
Olafsson, Sverrir	EE	Caltech
Oliver, Michael	MA	1 year vacation
Paine, Scott Nelson	APH	MIT
Pan, Eric Ting-Shan	APH	MIT
Paulsen, Carlotta Marie	CH	Harvard
Peebles, Stewart Anthony	AMA	Lockheed (work), Stanford (school)
Pekar, Ronald Emmanuel	ENG	Stanford
Phillips, Richard Randolph	APH	Unknown
Pitt, George Herbert	MA	Alaska
Princen, Norman Henry Purtill, Mark Richard	ENG MA	University of Washington, Seattle WA
Remmers, Thomas Wayne	CHE	MIT
Richman, Bruce Aram	PH	University of Washington, Seattle WA Stanford
Riley, Steven Paul	PH	UC Irvine
Rodriguez, Pedro Pablo	CHE	Siliconix
Rosik, Suzanne Lyon	ENG	Computer Sciences Corp., Pasadena CA
Ruden, Douglas Mark	BI/CH	Harvard
Sahnow, David James	PH	Johns Hopkins, Baltimore MD
Sahr, John David	EE	UCLA
Schaeck, John Joseph	CH	UC Berkeley
Schaff, Robert Wayne	ISP	Small Systems Specialties #, Pasadena CA
Schlipf, Steve Gregory	ENG	MIT
Schlom, Darrell Galen	ENG	Stanford
Schmidt, Roderick	ENG	Unknown
Schultz, David Alan	EC	Caltech (work)
Scott, Kelley Ann	ENG	work/grad school
Scott, Phillip Christopher	CHE	Unknown
Shaffer, Paul D.	EE	Unknown
Shapiro, Jon	MA/ENG	Unknown
Sheedy, Kathleen Ruth	ENG	Lockheed, Burbank CA
Shors, Douglas	MA	UCLA
Shu, Jen	CHE	Cornell
Siracusa, Peter	AMA	Caltech (work)
Sirkin, Martin Jay	ENG	University of Washington
Skjellum, Anthony	PH	Caltech
Sommer, Jeremy	ENG BI	Hewlett Packard
Sorensen, Alma (Greg) Spalter, Clara	CHE	JPL, Pasadena CA
Speck, Don Anthony	ENG	Uruguay Caltech (work)
Stahl, Steven Mark	PH	Northwestern
Stassen, Christian William	ENG	TRW, Redondo Beach CA
Stassen, Clare Waterson	ENG	USC (school), Hughes, El Segundo CA (work)
Stephens, Scott Adam	APH/AY	IPL
Sunderlin, Lee Scott	CH	UC Berkeley
Suranyi, Edward Joseph	APH	Stanford
Sutton, Eliza Leeds	CH	Harvard
Swanson, Steven Roger	AY	Dartmouth
Swass, Mathew J.	ENG	Hughes Radar Systems Group, El Segundo CA
Tamada, Janet Ayako	CHE	UC Berkeley
Terepka, Michael Francis	PH	Western Research, San Diego CA
Tinkle, Mark David	PH	Rockwell, Anaheim CA
Tipton, Brian Scott	ENG	General Motors, Warren MI
Toh, Han Shih	APH/AMA	Singapore Army
Toker, Emre	EE	Unknown
Tolomiczenko, George Serge	ISP	Boston University
Tufail, Nadeem	CHE	Grad school
Turpin, Barbara Jo	ENG	Oregon Graduate School, Portland OR
Turyn, Michael	PH	Tufts University, Medford MA
Van Voorhees, Camilla	BI	Thatcher, Ojai CA
Villasenor, Jesus Noel Samonte		MIT
Waggoner, Mark Roger	PH	National Semiconducter
Weber, Walter Michael	ENG	Caltech
Weiser, Harold Mark	PH APH/ENG	Bum around Harvard Stanford
Williams, Ted Eugene Wilson, Laura Diane	ENG	Lockheed, Burbank CA
Wingreen, Ned Scott	PH	Cornell
Wingreen, Ned Scott Wisanrakkit, Kriengkrai (Guy)	CHE	Princeton
Wong, Peter	PH	University of Washington, Seattle WA
Yoshizawa, Satoshi	APH	Caltech
Zobel, David Hart	ENG	Actaen (formerly Palantir), Santa Clara CA
	PNC	



- 1) Money
- 2) Prestige garnering
- 3) Experience
- 4) Personal growth & satisfaction
- 5) What else to do?

Instructions for do-it-yourself senior section:

In an effort to arouse interest in non-seniors to *look* at the senior section, we have devised an exercise for the reader. We have already done the hard part: to the left are the seniors' names, options and plans. The only information not contained in the list is *why* they are doing what they will be doing. This is where you come in: below the list are rows and rows of numbers which correspond to the reason numbers given above. All you have to do is match the correct number with each senior. For instance, if you think that John Doe has gone to work for Pacific Bell in Bakersfield because he will get personal satisfaction out of it, place a "4" by his name. Do the same for all 221 seniors; the passing score is 140 correct. Good luck!

Zsolnay, Denes L.

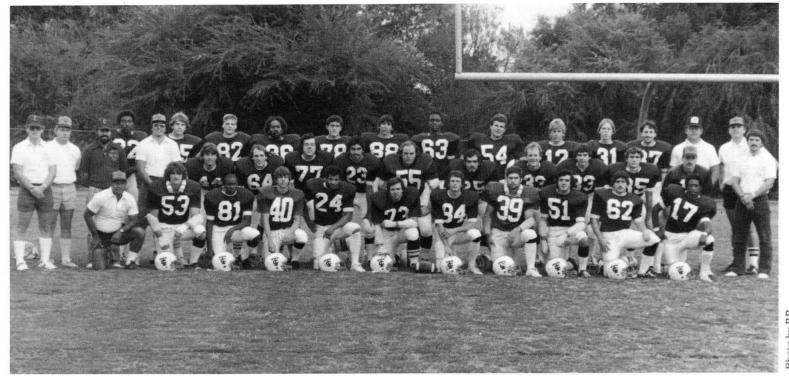
ENG

Airesearch, Torrance CA



Page 110

Campus Sports



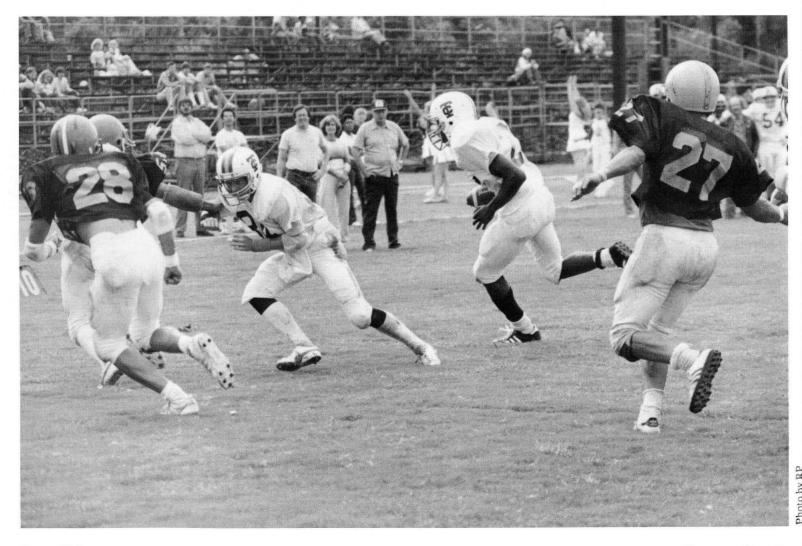
Football (left to right)

Kneeling: Gene Renfroe, Mike Burl, Harry Irby, Brandon Mymudes, Don Thomas, Mark Foxwell, Rick Roberts, Pat Harrison, Ara Kassabian, Bob Shoemaker, Vince Riley.

Middle row: Scott Laurence, Dean Bond, Roger Garcia, Gene Toshima, Mike Vanya, Steve Martin, John Mann, Vic Leyva, Dave Kuder, Pete Rodriguez, Larry Sverdrup, Tom Tysinger, Tim Cotter, Brad Anton, Mike Raemaeker.

Back row: Jonathan Brown, Steve Roskowski, Brian Burl, Roy Harris, Kirk Brattkus, Tim Magee, Dave Tribble, Keith Holt, Phil Scott, Steve Lewis, Daren Casey, Lin Parker, Dave Brinza.

Not Pictured: George Kailiwai, Sam Gonzales, Andre Johnson, Mark Holst, Dillip Khatri, Anthony Miller, Ed Casey, Dwight Evard.



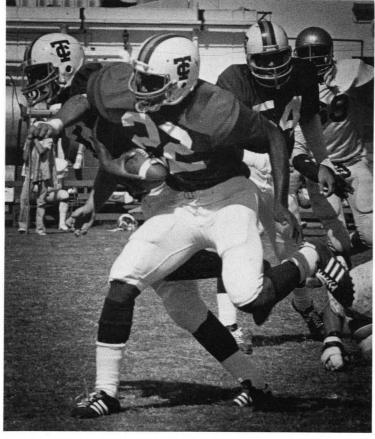
Football

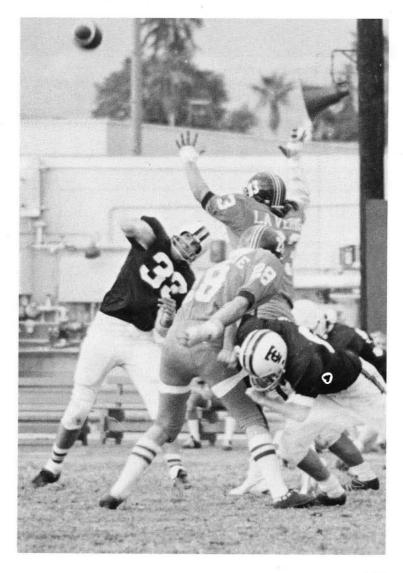
Caltech	28	Northeast Bengals	21
Caltech ,	0	Cal Poly Pomona	36
Caltech	20	LaVerne J.V.	14
Caltech	19	Northeast Bengals	7
Caltech	7	El Cajon Cougars	0
Caltech	19	Valley Nomads	0
Caltech	45	Edwards A.F.B.	12
Caltech .	15	U. of Baja Calif.	6



Photo by RP









Men's Soccer Team (left to right)

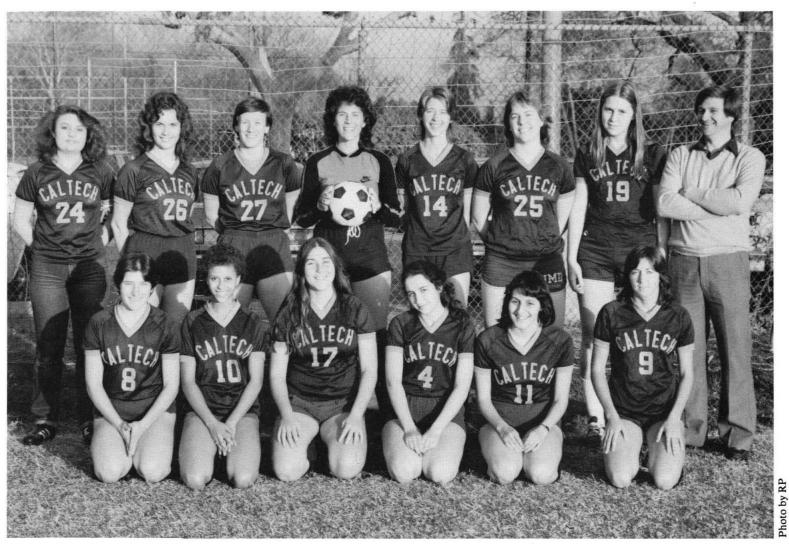
Standing: Terence Barr, Kaveh Taleghani, Stephen Jones, Ned Wingreen, Chris Schofield, Evan Cromwell, Steve Hawes, Robert Franciosi, Derek Ney, Richard Regan, Brad Axan, Pam DeMoor, Coach Don Cameron.

Kneeling: John Krehbiel, Ted George, Steve Havstad, Tom Remmers, John Sahr, Kim Pao, Rob Mostert, Manny Acevedo.

Not Pictured: Kaushik Bannerjee, Michael Baumer, Stefan Feuerabendt, Scott Karlin.

Men's Soccer

1983-8	84 N	Ien's Soccer So	cores
Caltech	1	L.A. Baptist	- 4
Caltech	1	Claremont-Mudd	13
Caltech	4	Alumni	2
Caltech	2	Whittier	3
Caltech	2	Occidental	3
Caltech	6	Christ College	0
Caltech	0	Pomona-Pitzer	. 7
Caltech	3	LaVerne	9
Caltech	3	Redlands	2
Caltech	0	Claremont-Mudd	7
Caltech	1	So. Cal. College	5
Caltech	4	Whittier	3
Caltech	3	Occidental	2
Caltech	0	Pomona-Pitzer	6
Caltech	1	LaVerne	4
Caltech	0	Redlands	1
Caltech	3	Soccer Club	1
Season's totals		Wins - 6	Losses - 11



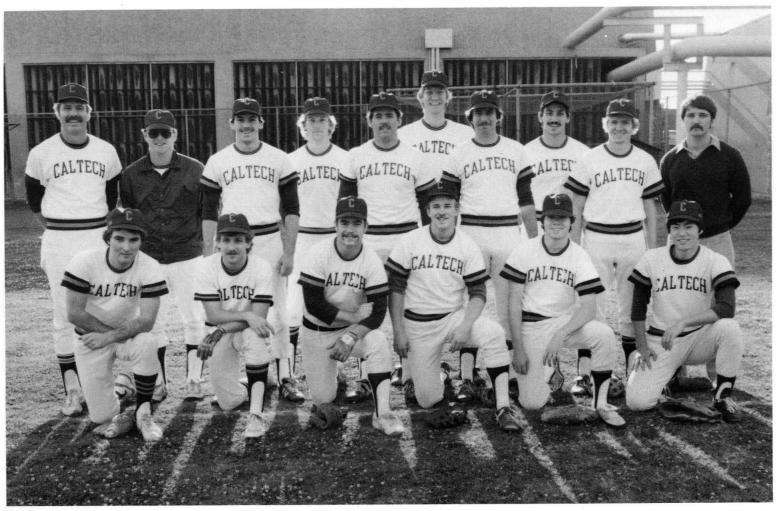
Women's Soccer Team (left to right)

Standing: Barbara Difilippo, Lynn Hildemann, Julia Lester, Ann Rosenthal, Kathrine Fenner, Chris Tiller, Marit Jentoft-Nilsen, Coach Larry Tatone. Kneeling: Julie Kornfield, Trina Jazang, Leslie Lippard, Maya Binun, Liz Newman, Jennifer Haase.

Caltech	4	Bonkers	
Caltech	5	Spinoffs	(
Caltech	2	Our Gang	
Caltech	3	Shakers	
Caltech	3	DeFeet	
Caltech	5	Suffer-Jets	. (
Caltech	2	Jazz	
Caltech	4	Headers	(
Caltech	2	DeFeet	
Caltech	0	Our Gang	
Caltech	1	Shakers	2



Campus Sports



Baseball Team (left to right)

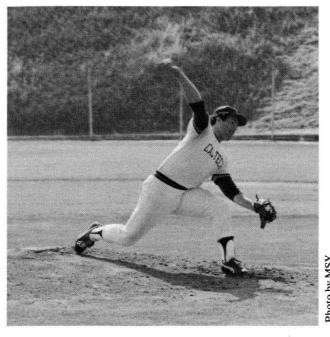
Back row: Asst. Coach John D'Auria, Head Coach Scott Laurence, Mike Keating, Phil Scott, Jim Hamrick, Brett Bush, Kurt Schwartz, Bob Mostert, Russ Graymer, Trainer Mike Ramaeker.

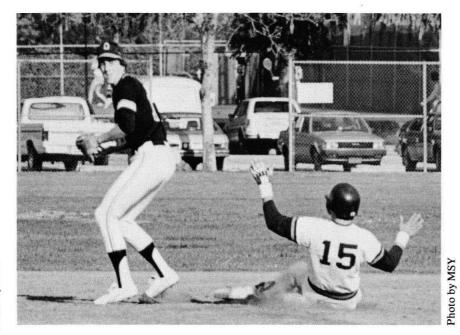
Front row: Mike Lodman, Kurt Lemke, Pat Harrison, Steve Havstad, Marty Hunt, Min Su Yun.

Not Pictured: Doug Shors, Tim Cotter, Hans Hermans, Ed Casey, Jim Hamrick.

Baseball

	1983-84	Baseball Scores		Caltech	3	Wisconsin Whitewater	21
	1703 01	Bascouri Scores		Caltech	3	Wisconsin Whitewater	, 12
Caltech	6	Pomona-Pitzer	19	Caltech	5	Christ College	2
Caltech	6	Pomona-Pitzer	11	Caltech	17	Christ College	4
Caltech	9	Pacific-Christian	0	Caltech	10	L.A. Baptist	7
Caltech	10	Pac. Cst. B.B. College	15	Caltech	5	Pomona-Pitzer	10
Caltech	10	Pac. Cst. B.B. College	2	Caltech	4	Pomona-Pitzer	12
Caltech	1	L.A. Baptist	5	Caltech	4	Pomona-Pitzer	22
Caltech	·	U.C.S.D.	13	Caltech	0	Occidental	12
Caltech	0	U.C.S.D.	17	Caltech	4	Occidental	16
Caltech	10	Pacific-Christian	17	Caltech	2	Occidental	20
Caltech	4	Redlands	9	Caltech	2	Claremont	17
Caltech	8		21	Caltech	3	Claremont	12
	5	Redlands	19	Caltech	4	Claremont	10
Caltech		Redlands	19	Caltech	4	Whittier	12
Caltech	3	LaVerne		Caltech	1	Whittier	13
Caltech	3	LaVerne	18	Caltech	1	Whittier	9
Caltech	2	LaVerne	12	Caltech	9	Pac. Cst. B.B. College	11
Caltech	10	Pac. Cst. B.B. College	2	Ouo			
Caltech	3	Pac. Cst. B.B. College	11			***	7 20
Caltech	13	Christ College	11	Season's totals		Wins - 6	Losses - 30











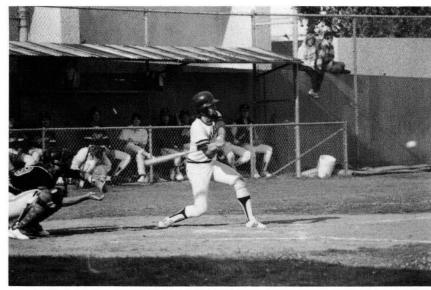
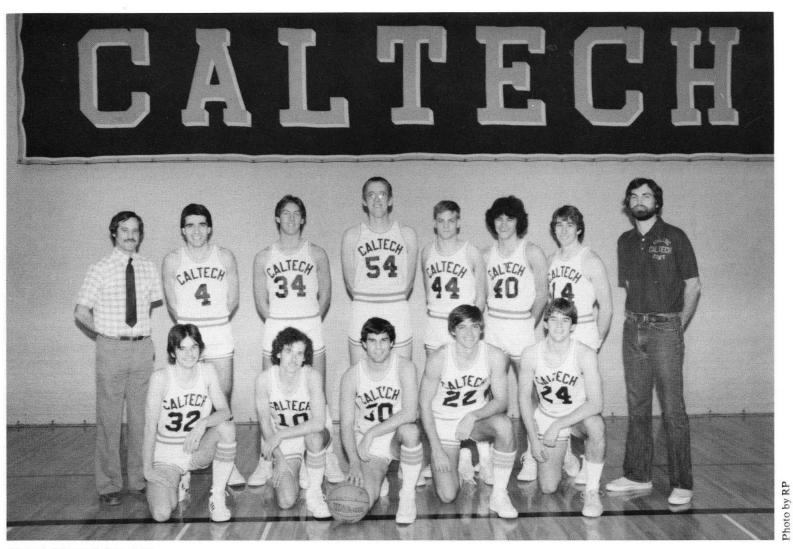






Photo by MSY

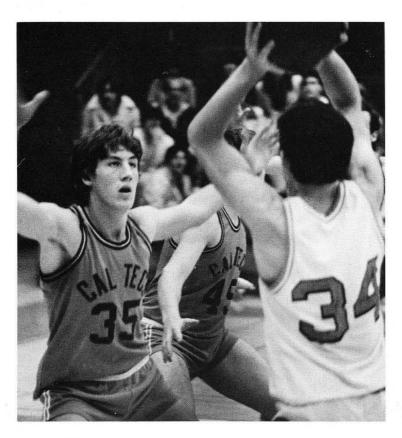
Campus Sports



Basketball Team (left to right)

Standing: Coach Mike Poizner, Chris Kyriakakis, Jim Helgren, Stewart Peebles, Brian Brunn, Bill Gustafson, Chris Cotterel, Asst. Coach Paul Drozd. Kneeling: Rod Van Meter, George Pitt, Tom Herr, John Krehbiel, Ed Zanelli.

Not Pictured: Jeff Lester, David Werntz.





noto by RP

Basketball

56 55 71 80 41 52	Whittier Claremont-Mudd Pac. Coast Baptist LIFE College Redlands LaVerne	103 86 55 82 94 86
55 71 80	Whittier Claremont-Mudd Pac. Coast Baptist LIFE College	80 59 82 94
55 71	Whittier Claremont-Mudd Pac. Coast Baptist	80 59 82
55	Whittier Claremont-Mudd	80 59
	Whittier	
56	000100111111	103
	Occidental	
68	Occidental	87
44	LaVerne	75
44	Pomona-Pitzer	87
25	Redlands	77
71	Pac. Coast Baptist	76
45	Claremont-Mudd	91
37	Whittier	101
47	Occidental	94
	Pomona-Pitzer	96
	•	55
		63
		27
	•	63
		58
500		71
		68
		64 72
	74 64 94 69 65 55 78 68 63 48 47 37 45 71 25 44 44	64 Christ College 94 Pacific Christian 69 Christ College 65 LIFE College 55 Alumni 78 Pacific Christian 68 Christ College 63 LIFE College 48 Pomona-Pitzer 47 Occidental 37 Whittier 45 Claremont-Mudd 71 Pac. Coast Baptist 75 Redlands 76 Pomona-Pitzer 77 LaVerne









o courtesy of SI

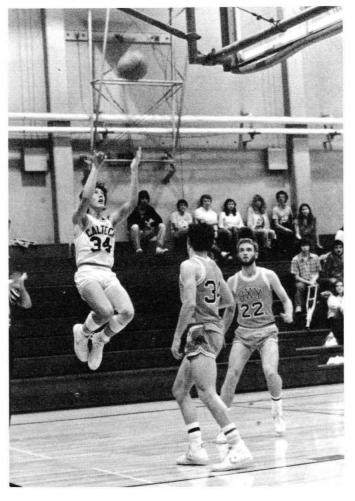




Photo courtesy of SP

Page 119

Tennis

1983-84 Men's Tennis Scores

Caltech	8	Christ College	1
Caltech	2	Azusa Pacific	7
Caltech	2	Whittier	7
Caltech	0	Redlands	. 9
Caltech	1	Occidental	8
Caltech	0	Claremont-Mudd	9
Caltech	0	Pomona-Pitzer	8
Caltech	1	Whittier	8
Caltech	7	LaVerne	2
Caltech	0	Pomona-Pitzer	9
Caltech	0	Claremont-Mudd	9
Caltech	0	Occidental	9
Caltech	0	Redlands	9
Caltech	5	LaVerne	4
Caltech	0	Pt. Loma	9
Caltech	4.5	Faculty	8.5
Caltech	2	Azusa Pacific	7
Caltech	9	Biola	0

Wins - 4 Losses - 14

Season's totals



Men's Tennis Team (left to right)

Back row: Coach Michael Jackson, Steve Roskowski, Ichiro Takeuchi, Ryoji Watanabe, Khanh Nguyen,

Ashok Krishnamoorthy, Roy Hashimoto.

Front row: Rex Wang, Rajiv Sahney, Ned Wingreen.

Not Pictured: Pete Rodriquez, Tom Nolan, Ken Hahn, Mark Wieczorek.

1983-84 Women's Tennis Scores

Caltech	0	Occidental	9
Caltech	0	Pomona-Pitzer	9
Caltech	1	Whittier	8
Caltech	7	PCC	5
Caltech	0	LaVerne	9
Caltech	0	Redlands	9
Caltech	1	Claremont	8
Caltech	2	Whittier	7
Caltech	0	Redlands	9
Caltech	0	LaVerne	9
Caltech	1	Christ College	8
Caltech	0	Pomona-Pitzer	9
Caltech	0	Occidental	9
Caltech	3	Cal Lutheran	6
Caltech	2	JPL	7

Season's totals Wins - 1 Losses - 14



Women's Tennis Team (left to right)

Back row: Lucy France, Lisa Cummings, Margaret Carter, Michelle Walters.

Front row: Tammy Choy, Than Van Tran-Nhut, Jo Beth Schlottman, Cathy Shapiro, Pam Feldman.

Not Pictured: Joy Watanabe.

Women's Volleyball



Caltech Pomona-Pitzer JV Caltech Scripps JV Redlands JV Caltech Caltech Whittier JV Caltech L.I.F.E. Caltech Pacific Christian Whittier JV Caltech Caltech **Christ College** Occidental JV Caltech Redlands JV Caltech Caltech Pomona-Pitzer JV Caltech Scripps JV L.I.F.E. Caltech Caltech Pacific Christian Caltech Christ College Wins - 9 Season's totals Losses - 6

Women's Volleyball (left to right)

Photo by RP

Standing: Coach Becky Valentine, Lynn Hildemann, Katherine Mixter, Julia Lester, Beverly Bond, Cris Morris, Chris Tiller.

Kneeling: Eliza Sutton, Sue Fuhs-Huff, Leslie Lippard, Julie Kornfield, Sue Celniker.

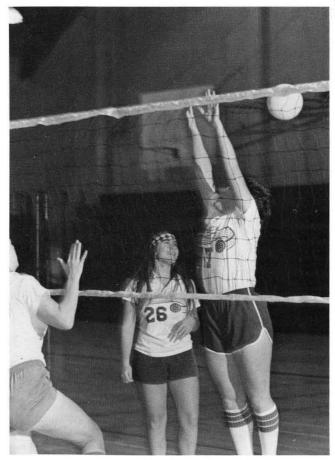


Photo by RP

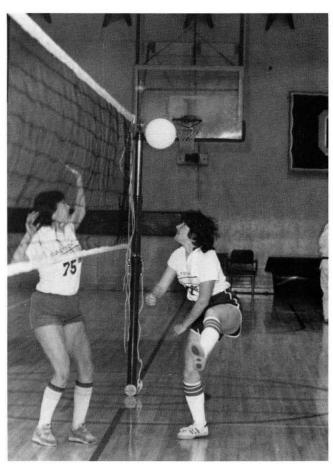
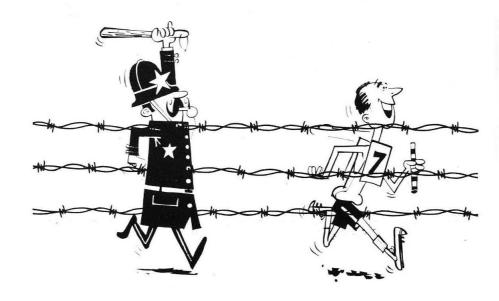


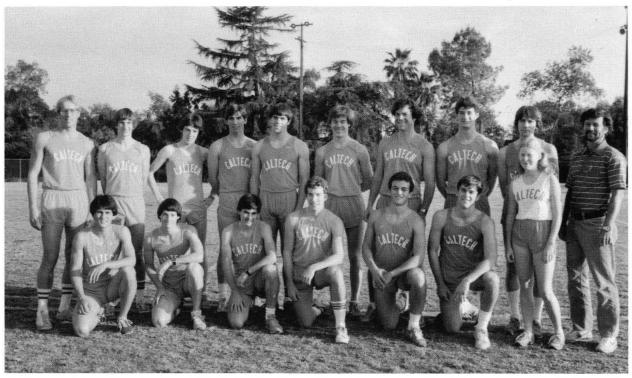
Photo by RP





Season's totals		Wins - 1	Losses - 8
Caltech	25.5	U.C.S.D.	66
Caltech	47	Chapman	35
Caltech	36	Claremont	76
Caltech	18	Cal Lutheran	112
Caltech	42	Whittier	75
Caltech	21	Redlands	108
Caltech	30	Pomona	, 118
Caltech	37	Occidental	109
Caltech	37.5	Redlands	84.5
1	983-8	4 Track Score	es





Track Team (left to right)

Front row: Dave Chavez, Steve Stahl, Darin Acosta, Robert Dow, Kaveh Taleghani, Ed Zanelli, Diane Creveling.

Back row: Reed Burkhart, Brian McLain, Mike Jensen, Time Magee, Dave Gallup, John Beck, Sean Moriarty, Brian Burk, Bob Kelly, Coach Leroy Neal.



Women's	Cross	Country	(left to	right)
	1000			

Bottom: Jarita Holbrook, Coach Leroy Neal, Marit Jentoft-Nilsen.

Middle: Clea Bures, Jennifer Haase.

Top: Diane Creveling.

1983-84 W	omen	's Cross Cou	ntry Scores
Caltech		Azusa	1
Caltech		Redlands	1.
Caltech	<u></u>	Claremont	1
Caltech		Redlands	
Caltech	50	Claremont	1
Caltech	50	Occidental	1
Caltech	50	Whittier	1
Caltech	36	Pomona	1
Caltech	38	Claremont	1
Caltech	15	LaVerne	5
Season's totals		Wins - 1	Losses - 9

1983-84	Men's	Cross Country	y Scores
Caltech	50	Azusa	1:
Caltech	40	Redlands	18
Caltech	31	Claremont	24
Caltech	41	Redlands	19
Caltech	24	Pepperdine	3:
Caltech	50	Westmont	1:
Caltech	25	Cal St. Bakersfield	34
Caltech	30	Claremont	20
Caltech	50	Occidental	1:
Caltech	22	Whittier	38
Caltech	50	Pomona	15
Caltech	26	Claremont	33
Caltech	15	LaVerne	50
Season's totals		Wins - 5	Losses - 8



Men's Cross Country (left to right)

Front: Tom Workman, Chuck Lee, Darin Acosta, Robbie Dow, Coach Leroy Neal.

Back: Brian McLain, Steve Stahl, John Beck, Mike Jensen, Sean Moriarty.

Not Pictured: Robert Kelly, Matthew Penn.

C C r o u s n s t r y

Photo by RP



Fencing (left to right)

Standing: Coach George Clovis, Daniella Bonafede, Kathleen Sheedy, Kenneth Bell, Lee Sunderlin, Kurt Anderson, Charles Todd, Andre Burgoyne, Scott

Grossman, Phyllis Li, Chien Wei-Han. Kneeling: Karla Peterson, Peter Konopka.

Not Pictured: James Bell, Scott Lewicki, Craig Keller, Mark "Oink Zeggpold" Purtill, Barbara Turpin.

Fencing

	Foil	Epee	Sabre	Women's Foil
(Caltech, Cal State Northridge)	(3,6)	(1,8)	(0,9)	(10,6)
(Caltech, Cal State Fullerton)	(0,9)	(1,8)	(1,8)	(7,9)
(Caltech, UC Los Angeles)	(1,8)	(3,6)	(0,9)	(4,12)
(Caltech, Cal State Long Beach)	(1,8)	(0,9)	(2,7)	(8,8)
(Caltech, UC Santa Barbara)	(,)	(1,8)	(5,4)	(11,5)
(Caltech, UC San Diego)	(4,5)	(0,9)	(2,7)	(7,7)
(Caltech, UC Los Angeles)	(1,8)	(3,6)	(5,4)	(9,7)
(Caltech, Cal State Long Beach)	(1,8)	(2,7)	(0,9)	(10,6)
(Caltech, Stanford)	(,)	(0,9)	(2,7)	(0,16)
(Caltech, Cal State Fullerton)	(1,8)	(1,8)	(4,5)	(4,12)
(Caltech, UC Santa Barbara)	(2,7)	(1,8)	(5,4)	(11,5)
(Caltech, Cal State Northridge)	(0,9)	(0,9)	(1,8)	(8,8)
(Caltech, UC San Diego)	(7,2)	(1,8)	(5,4)	(6,10)
Season totals (wins, losses, ties)	(1,10,0)	(0,13,0)	(4,9,0)	(4,6,3)





Photo by RP

Golf Team (left to right)

Standing: Coach Hal Cassriel, John Mann, Mike Ando. Kneeling: Mark Pitt, Tom Remmers.

Not Pictured: James Bell, Dennis Fatland.

Golf

19	983-8	34 Golf Scores	00 - 0(1 - 0)(2 - 0)(3 - 0)(2
Caltech	0	LaVerne	54
Caltech	0	Occidental	54
Caltech	0	Redlands	54
Caltech	0	Pomona-Pitzer	54
Caltech	0	Claremont-Mudd	54
Caltech	0	Whittier	54
Caltech	0	U.C.S.D.	54
Caltech	0	Whittier	54
Caltech	0	LaVerne	54
Caltech	0	Cal Lutheran	54
Caltech	0	Occidental	54
Caltech	0	Claremont-Mudd	54
Caltech	0	Pomona-Pitzer	54
Caltech	0	Redlands	54
Season's totals		Wins - 0	Losses - 14

Campus Sports Page 125

1	1983-84	Wrestling Sco	res
Caltech	0	Pierce College	29
Caltech	21	Whittier	27
Caltech	0	C.S. Fullerton	47
Caltech	15	LaVerne	33
Caltech	9	LaVerne	40
Caltech	6	C.S. Fullerton	40
Caltech	6	Biola	51
Caltech	12	Pomona-Pitzer	44
Caltech	13	Claremont	33
Caltech	34	LaVerne	18
Caltech	12	Pomona-Pitzer	39
Caltech	36	Whittier	24
Caltech	18	Pomona-Pitzer	36
Caltech	2	Claremont-Mudd	44
Caltech	24	Whittier	30
Season's tota	ıls	Wins - 2	Losses - 13

Season's tota	le	Wins - 2	Losses - 3
Caltech	56	Redlands	39
Caltech	34	Pomona-Pitzer	64
Caltech	31	Occidental	73
Caltech	68	Whittier	43
Caltech	14	Claremont	99
1	983-84	Swimming Me	



S w i m m i n g



Swim Team (left to right)

Standing: Burnham Greeley, Paul Haase, Paul Piccirillo, David Watkins, Jim Labrenz, Steve Hsu, Paul Graven, Coach Clint Dodd. Middle: Asst. Dive Coach Cathy Trachok, Clare Stassen, Christy Cooper, Lisa Henderson, Faye Flam, Misha Mahowald, Faan Tone Liu.

Sitting: John Sarapata, Hans Hermans, Alan Murray.

Not Pictured: Clea Bures, Nancy Drehwing.

Photo by RP



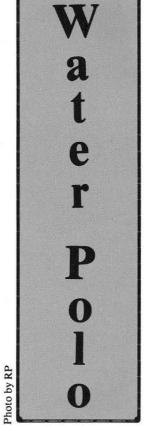
Wrestling (left to right)

Standing: Coach Lin Parker, Tim Cotter, Paul Gillespie, Mike Burl, head Trainer Mike Ramaeker.

Kneeling: Joe williams, Robert Horn, Peter Ashcroft. Not Pictured: Sam Gonzales, Brian Lau, Bob Shoemaker.

1983-84 Water Polo Sc				
Caltech	10	Occidental	14	
Caltech	3	Whittier	1:	
Caltech	5	Cal State LA	18	
Caltech	11	Chaffey J.C.		
Caltech	6	Citrus J.C.	19	
Caltech	3	Loyola	1	
Caltech	3	Pomona-Pitzer	1	
Caltech	4	Waves	2	
Caltech	9	Cal State LA		
Caltech	4	Alumni	1	
Caltech	7	LA Valley J.C.	1.	
Caltech	9	Redlands	12	
Caltech	5	Claremont	1	
Caltech	7	Whittier		
Caltech	8	Rio Hondo	1	
Caltech	4	Occidental	1:	
Caltech	6	Pomona-Pitzer	20	
Caltech	12	UC Riverside	1	
Caltech	11	Whittier	14	
Caltech	4	Occidental	2	
Caltech	7	Pomona-Pitzer	1.	
Caltech	6	Claremont-Mudd	2:	
Caltech	16	Redlands	1	
Season's to	tals	Wins - 5 Losse	es - 1	



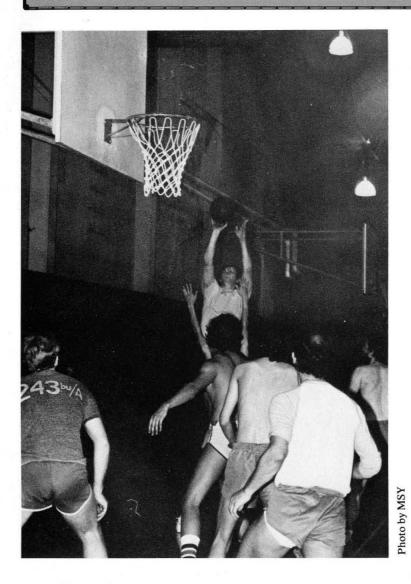


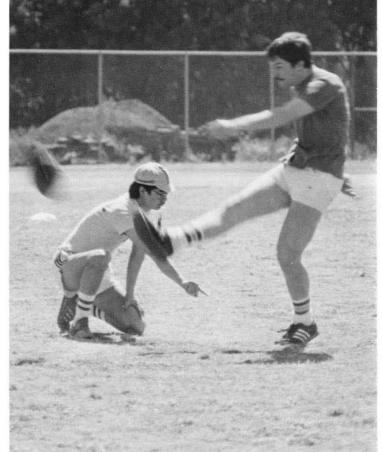
Water Polo Team (left to right)

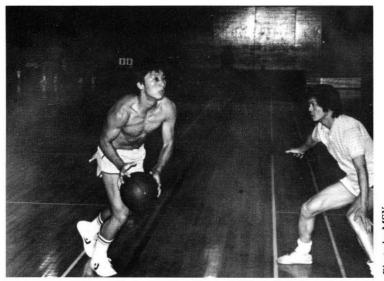
Standing: Christy Cooper, David Watkins, Reed Burkhart, Fred Ferrante, Paul Graven, Mark Phoniadakis, Coach Clinton Dodd. Sitting: Steve Hsu, Brian Ruess, Hans Hermans, Randy Brown, Gerald Zeininger.

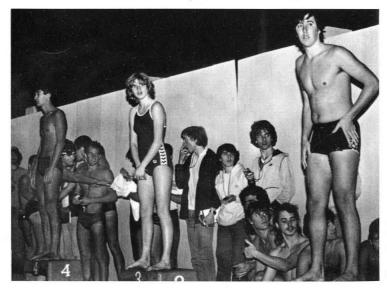
Not Pictured: Stan Berman, Vincent Ferrante, John Lade, Steve Loyola, Paul Piccirilla, Stuart Ray.

Interhouse Sports









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Campus Sports

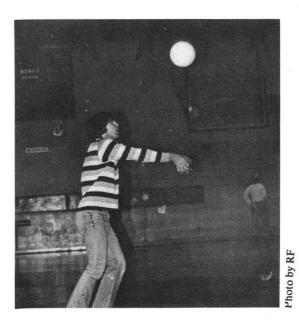
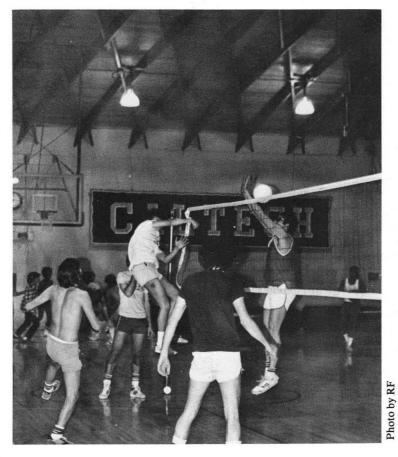




Photo by SB

Sport	Page	Fleming	Ruddock	Lloyd	Blacker	Dabney	Ricketts
Softball .	3	1	1	3	3	5	7
Swimming	2	1	4	6	5	7	3
Tennis	1	2	5	3	4	7	6
Track	1	2	6	5	3	7	4
Volleyball	3	2	1	6	5	6	4
Football	1	2	4	3	5	7	6
Basketball	1	1	4	5	1	7	6
Final Standing	2	1	3	5	4	7	6





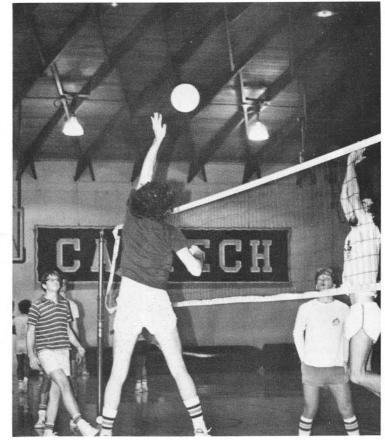


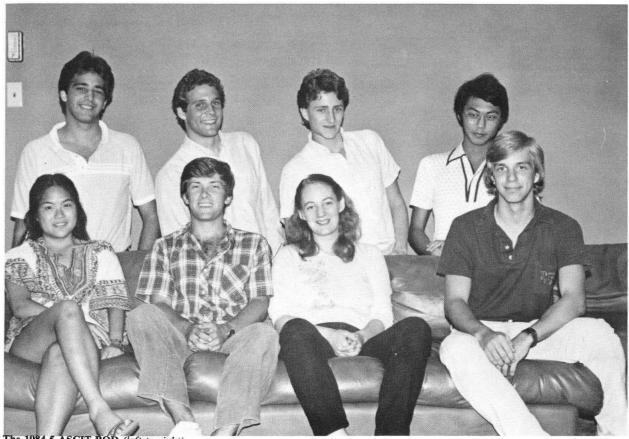
Photo by RF



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Clubs and Organizations

NEW



The 1984-5 ASCIT BOD (left to right)

Top row: Fred Ferrante (Vice President), Paul Graven (President), Dan Schwartz (Director of Social Activities), Tetsuo Fukuchi (Director of Academic Affairs).

Bottom row: Joy Watanabe (Secretary), Teresa Solmer (Upperclass Rep. at Large), Paul Filberg (Treasurer), Dave Parkinson (Freshman Rep. at Large).

Not shown: The rest of ASCIT.



OLD

The 1983-4 ASCIT BOD (left to right)

Top row: Chris Tiller (Director of Academic Affairs), Dan Schwartz (Director of Social Activities), Ed "he's asleep again" Felton (Director at Large), Paul Solberg (Treasurer).

Bottom row: Eliza Sutton (Vice President), Candy McBoy (President), Teresa Filmer (Secretary).

Not shown: The rest of ASCIT.

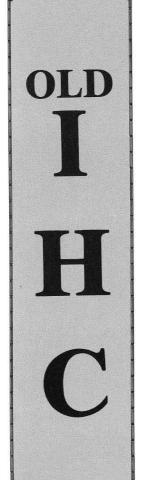




The 1984-5 InterHouse Committee (left to right)

Standing: Richard "wake me up when this is over" Murray (Chairman), Lisa Henderson (Secretary), Chris Brennan (Master of Student Houses).

Sitting: Stefan Feuerabendt (Fleming), Brian Mapes (Dabney), John Rostykus (Lloyd), Peter Ashcroft (Blacker), Andy Wolf (Ricketts), Mark Lewis (Ruddock), Hans Hermans (Page).



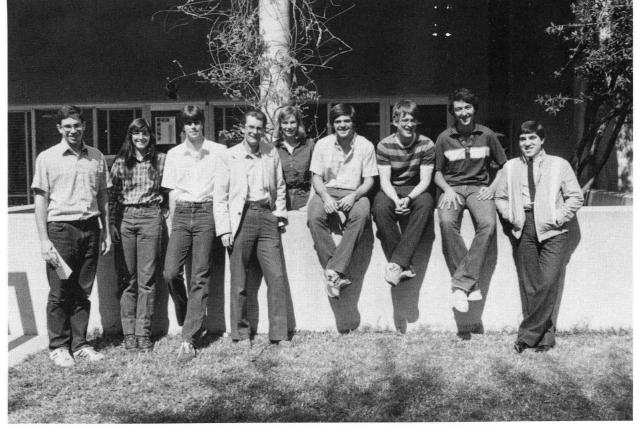


Photo by RP

The 1983-4 InterHouse Committee (left to right): Erik Fernandez (Page), Barbara Turpin (Dabney), Larry Meixner (Ruddock), Chris Brennan (Master of Student Houses), Janet Saylor (Ricketts), John Krehbiel (Chairman), John Sahr (Fleming), Richard Murray (Blacker), Sergay Mnatzakanian.

NEW B O C



The 1984-5 Board of Control (left to right)

Top row: Yosufi Tyebkhan (Rep. at Large), Johannes Schmidt (Ricketts).

Bottom row: Lisa Cummings (Secretary), Michael Keating (Page), Fred Ferrante (Chair), Sue Hannaford (Blacker), Pam Feldman (Ruddock), Adam Greenblatt (Rep. at Large).

Having a BOC party: Tim Allen (Dabney), Steve Lewis (Fleming), Phyllis Li (Lloyd).



old B O C

The 1983-4 Board of Control (left to right)

Top row: Fred Ferrante (Representative at Large), Brian Mapes (Dabney), Tim Allen (Representative at Large).

Bottom row: Greg Kavounas (Secretary), Lawrence Anthony (Ricketts), Scott Karlin (Page), Eliza Sutton (Chair), Lee Sunderlin

(Lloyd), Steve Demming (Fleming), Mike Chwe (Blacker).

Being BOCed: Darrel Schlom (Ruddock).



THE

The Caltech Y (left to right)

Front row: Brian Treco, Kelley Scott, Melissa Farrell, Keith Bowman, Leslie Lippard.

Back row: Huston Horn (director), Ben Frisch, Ron Pekar, Paul Monroe, Alexa Bodero (secretary), Kent

Noble, John Beahan, Kirk Haselton, Sally Mitchell (administrative assistant).

OFF-CAMPUS RECREATION

- ·Skiing at Mammoth
- Hiking in the Sierra and the San Gabriel Mountains
 - ·Sailing on the blue Pacific
 - ·Whale Watching
 - •Renaissance Faire Trip
 - •Bike Hikes
 - •Beach Trips
 - Disneyland

OFF-CAMPUS MUSIC & THEATER

- Season-long discount tickets to Los Angeles Philharmonic
 - •Free tickets to Pasadena Symphony
- •Discount tickets to "The Genius" and "Secret Honor: The Last Testament of Richard M. Nixon"
 - •"Habbakuk"
 - ·Pasadena Chamber Orchestra
 - •Ravi Shankar

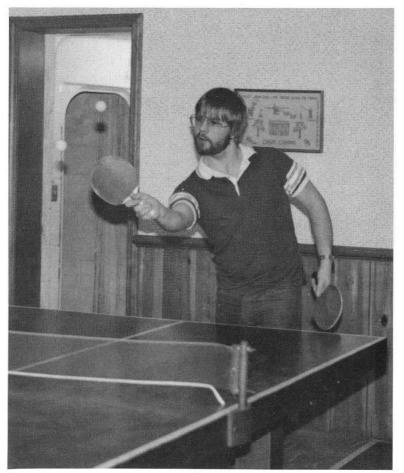
ON-CAMPUS PROGRAMS, SERIES, CONCERTS & DRAMA

•The Right Brain Lab

- •English as a Second Language (10-week series for spouses of grad students, postdocs and faculty)
- •Wednesday Noon Updates (Caltech faculty reports on current research)
 - •Get-Out-The-Vote Campaign
- "Fresh Perspectives" (A discussion series on undergraduate life at Caltech)
- "Human Values in the Nuclear Age" (panel discussion moderated by Dr. Marvin Goldberger)
 - •"A History of Women in Science."
- "The Arroyo Center: A Report to Students by The President and The Provost"
- "Women's Rights, Reagan's Wrongs" (a discussion led by Feminist Joannie Parker)
- "Techers as Teachers" (a panel discussion co-sponsored by Caltech's Career Development Center)
- •CYCLOPS: Caltech Y's Learning Opportunities in Primary Schools
- •Bob Paz's 10-week Photography Class

- •"Toward a Nuclear-Free Pacific"
- "Ignorance is No Longer Bliss: *The Genius*, Art, Science and The Responsibility of Knowledge" (co-sponsored with The Mark Taper Forum Theater)
- •"Damien" (a one-man play with Choral Director Don Caldwell)
- •Festival of Foreign Propaganda Films
- "Toymaker & Son" (co-sponsored outdoor theater with Caltech Christian Fellowship)
- •Friday Noon Concerts—from rock to punk to jazz to classical to rock again
- •"The Day After" viewing and informal followup discussion
- •Poet Janet Kauffman reading her prose (cosponsored by the Division of Humanities and Social Sciences)
- "From Russia With Slides and Photos" (co-sponsored by ASCIT and the students who went to the USSR on spring break)
- •A Birthday Tribute to Andrei Sakharov (co-sponsored by Hillel)





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Caltech Christian Fellowship

The fear of the Lord is the beginning of wisdom, and knowledge of the Holy One is understanding.

Prov. 9:10

The Caltech Christian Fellowship (CCF) is a non-denominational group of students with a common love for God. We seek to strengthen and encourage our growing rapport with Christ. We also encourage the development of friendships among Caltech students of all religious tenets.

We enjoy serving our Lord through a variety of campus oriented activities. This year we continued our tradition of holding both weekly House Bible Studies and Friday evening gatherings for worship and instruction. Departing from tradition, we instituted the **Partners Program**. In this program groups of two to four participants met regularly for spiritual support and prayer. Our special events for the year included: trimesteral Square Dances in



Dabney Lounge; Fall Retreat at Big Bear; Winter Retreat at Capra Ranch; Christian Leaders Training Camp at Catalina; Bible Dig-ins moderated by John Skidmore; and talks by Brian Green and Ari Snyder. The CCF also sponsored occasional beach runs and Tommy's runs to provide much needed diversions from Tech.

We enjoyed great support from the graduate students at Caltech, notably our fearless (or aimless) leader, Eric Aslakson, and from Inter-Varsity, through the long hours of service of our I.V. volunteer, Leah Steele.

That your hearts may be encouraged as they are knit together in love, to have all the riches of assured understanding and the knowledge of God's mystery, of Christ, in whom are hid all the treasures of wisdom and knowledge.

Collosian 2:2,3

For in much wisdom is much grief and he that increases knowledge increases sorrow. Eccles. 1:18



J a z z B a n d









Clubs and Organizations



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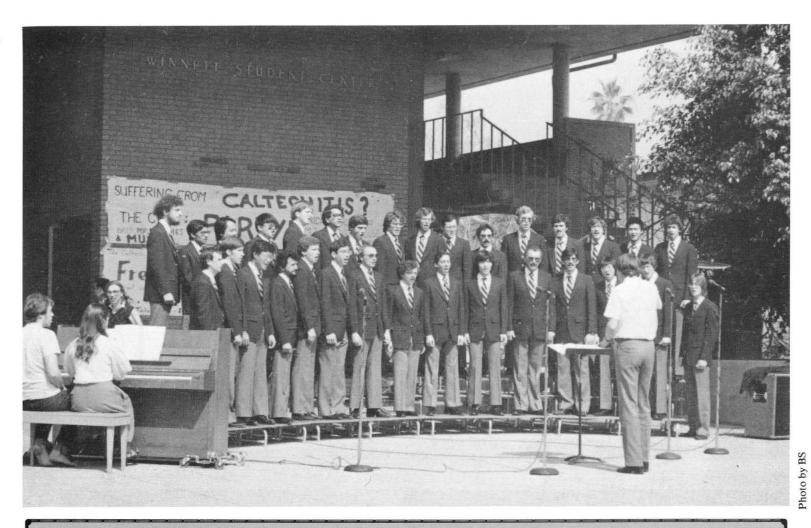
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Men's Glee Club



Photo by MSY





Clubs and Organizations

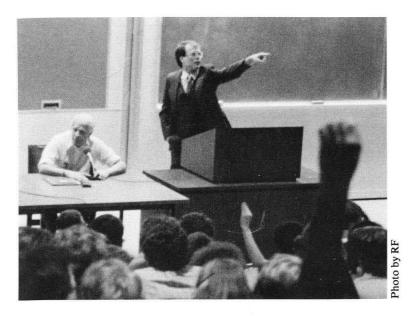
M o r m o n s





S k i T e a m

Photo by RF





World Affairs Forum

Party animals, they were not. But members of the Caltech World Affairs Forum had a hand in much of the wild happenings around campus this year. The Forum's activities included: organizing forums on such controversial topics as the Arroyo Center; bringing Robert Scheer, Richard Turco, Paul Ehrlich, and other experts on topics of international concern to Caltech; and, discussing such diverse topics as Debt Economics in Argentina, The Military Coup in Nigeria, The Power Transition in Russia, Leftist Guerillas in El Salvador, and The Talon Gold Project at JPL during regular, biweekly meetings. Throw in a couple of work-parties and regular Wednesday lunches at the Athenaeum, and it is clear why by the end of its first year, the World Affairs Forum had attracted a membership of more than one hundred people.





Clubs and Organizations



THE CALIFORNIA I ECH



The Year that Was. ...Or Was It?

For the first time in many, many, many years the incumbent editor, Ken Whang was reelected along with new helpers Ken Hahn and Chris Meisl. This years top stories included: Fowler's Nobel Prize, The Question of the House System, The Arroyo Center Controversy, Sexism in the Student Houses, and interviews with both President Marvin Goldberger and Board of Trustees Chairman Stanton Avery.

Below: Editor Ken Whang and Lily Wu supervise Editor Ken Hahn while Chris Meisl hides in background.

Opposite page:

top left: Photo Editor Min Su Yun hides in crowd while trying to find a picture for the next issue of The California

top right: Miss Gadfly 1984, Lily Wu.

middle left: Ken Hahn wonders why someone is taking his picture.

lower left: At long last, a picture of Chris Meisl at the typesetter.

lower right: Business Managers Karla Peterson and Mark Adams scan their empire.



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Letters and announcements are welcome. Included with all contributions should be the author's name and phone number and the intended date of publication. The editors reserve the right to abridge letters, so please keep them concise.

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Lily Wu The GadflyLily Wu

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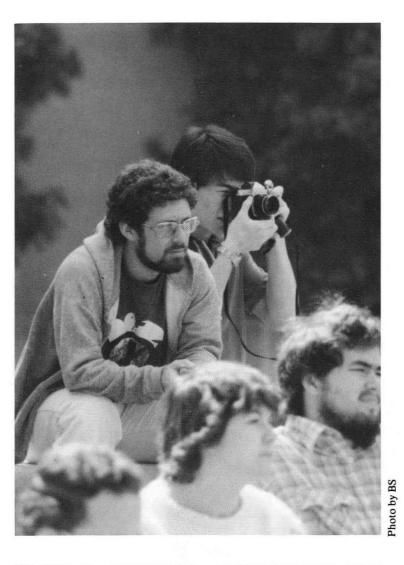
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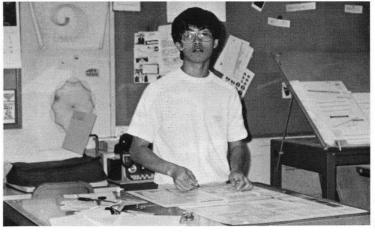
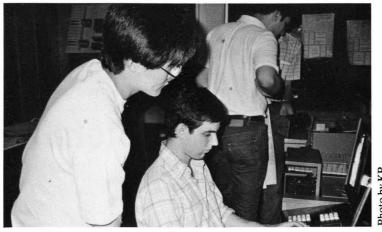


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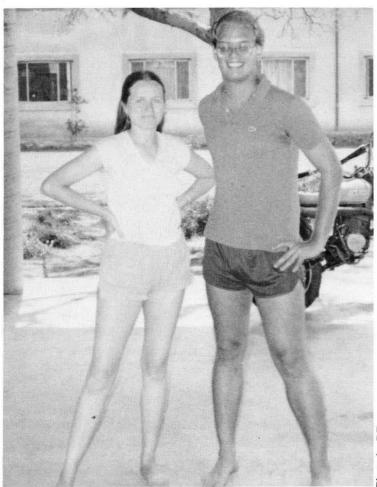
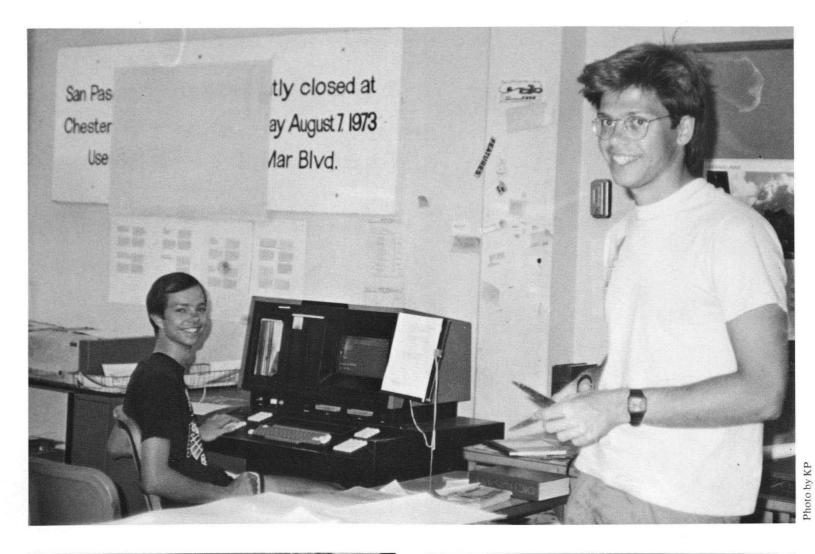
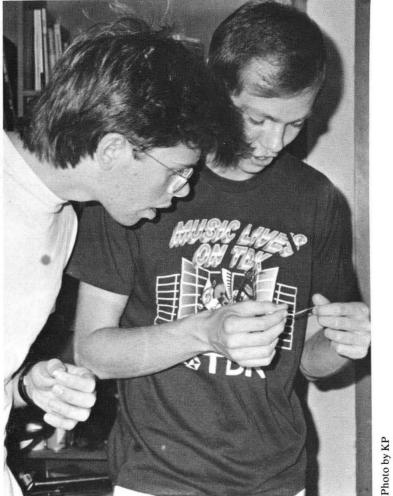
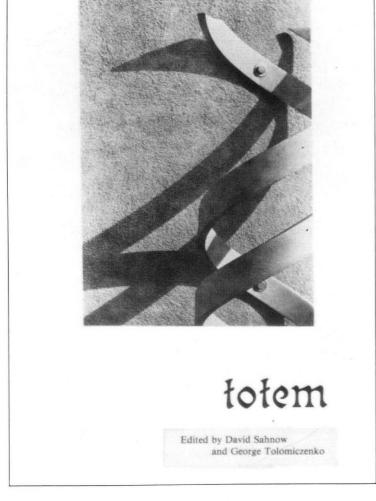


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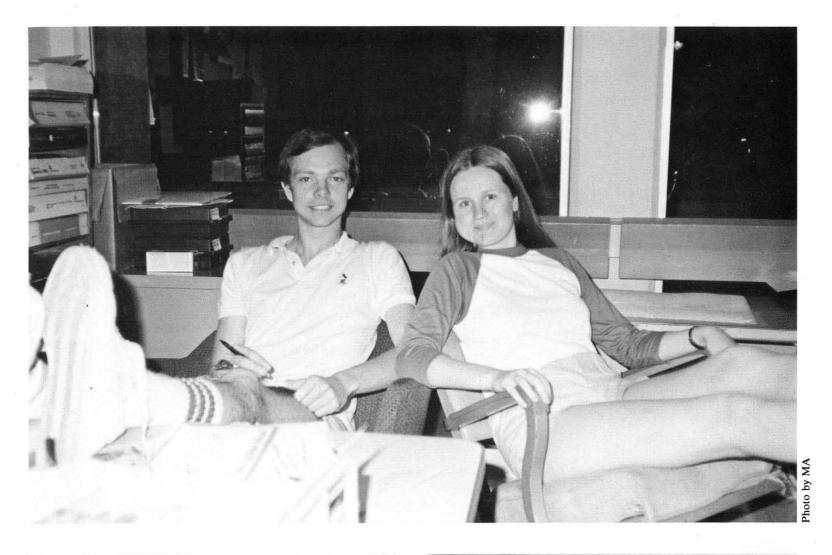
Clubs and Organizations

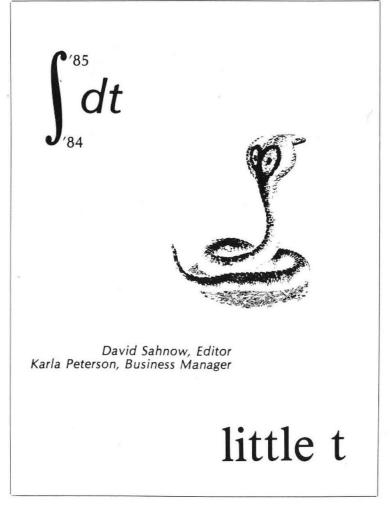






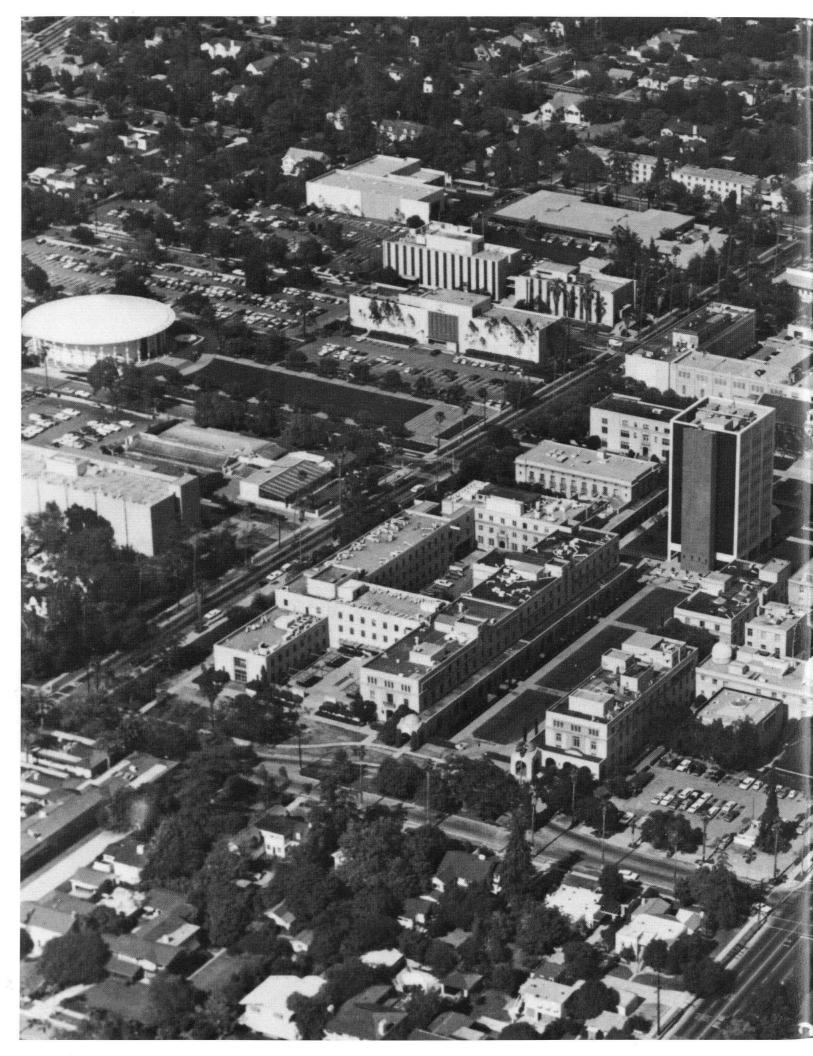
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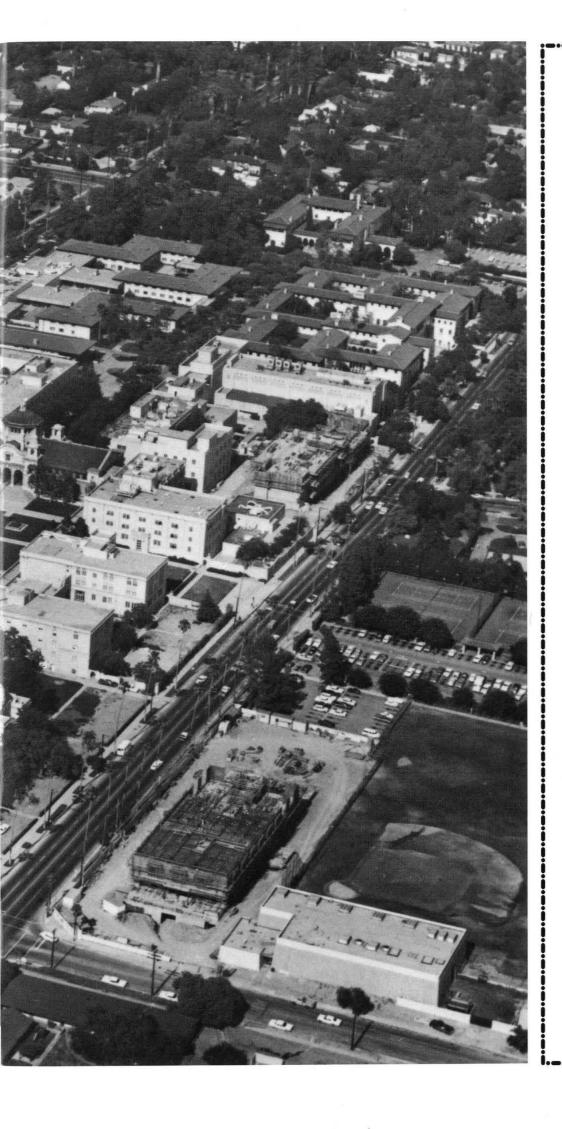




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Houses

Page House

Welcome Frosh

This page:

(right) "Welcome to Page House."

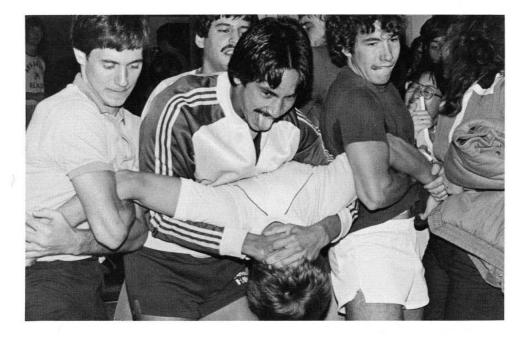
(below) Christie Cooper

(below right) New RA Doug Schmitt enjoys his welcome to Page.

Opposite Page:

(left) Vito and Brian grease down for 4th Annual Spong Memorial Greased Frosh Races.

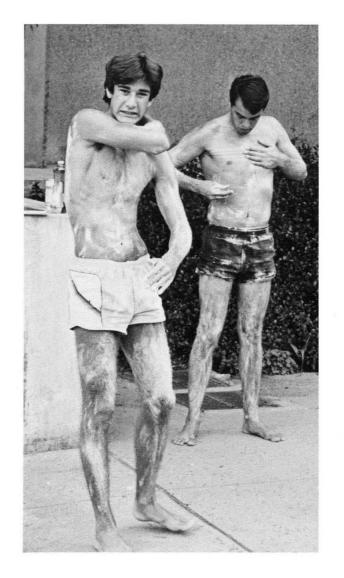
(below) NDJ Alley in action.



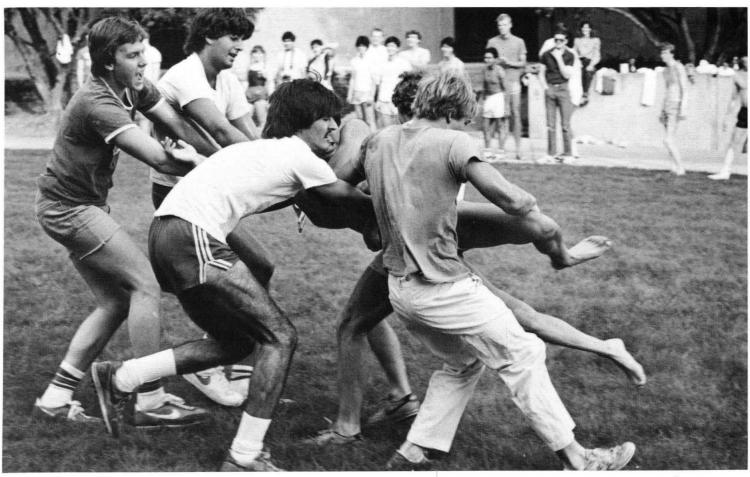




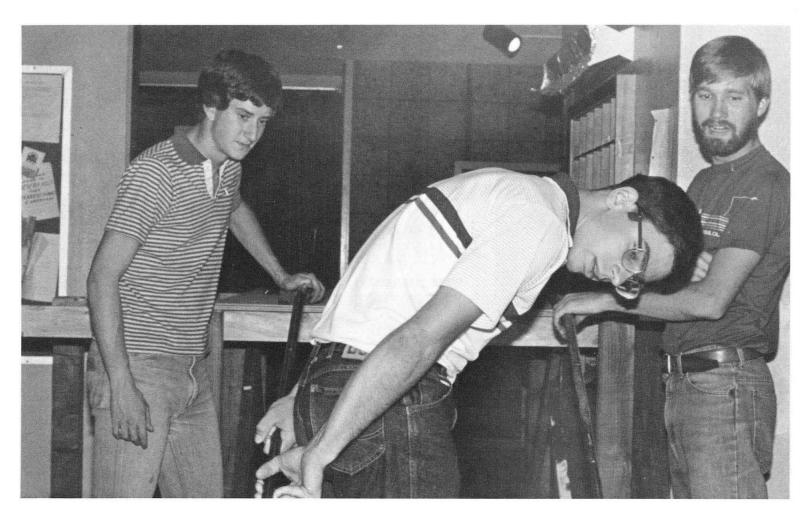
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The year began with the entry of nearly FIFTY wimpy frosh into Page House, including our new RA's Doug and Cheryl Schmitt. The alley challenge trophy started out the year in Weight Alley after the Greased Frosh Races. The tradition of alley challenges was revived with NDJ Alley narrowly losing to Weight in bowling. When Erik F. got a single, 28 people's sleeping arrangements were changed. Communes came and went. The "Mich" threw some fun parties throughout the year. Mark Waggoner and Brian Ruess (and many others) helped to make Interhouse a success with a "Twilight Zone" theme. Warren (aka Chuck GodaFlaig) severed on the entire house with his tennis ball cannons, blow darts, etc., etc. Stuart practiced arc-welding with pencils. Alley events included Syndicate breakfasts, and NDJ Alley Ath Days. First term ended with a beer-drinking contest between the frosh and the sophomores. Despite being heavily outnumbered, the sophomores won by two pounds.

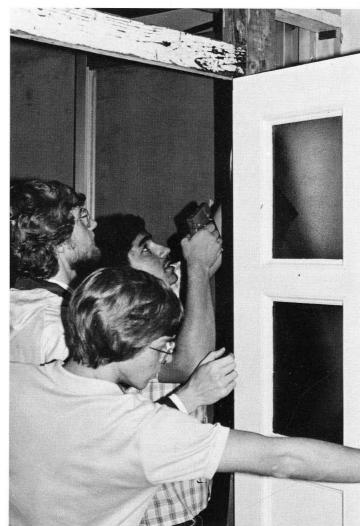


Page House

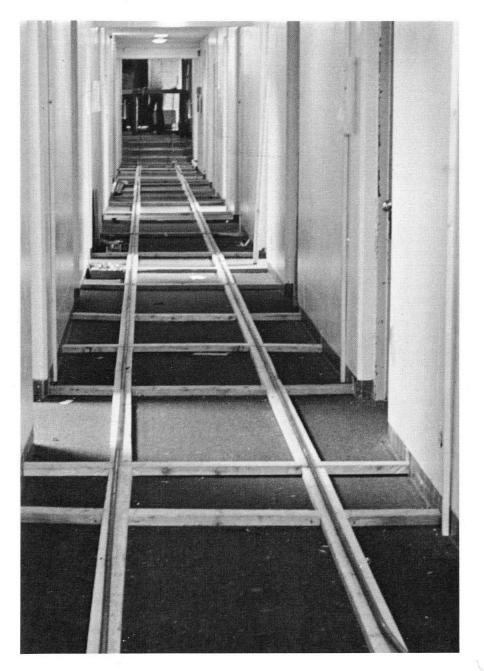


(above) Erik sizes things up for Interhouse.

(right) Frosh make last minute preparations for Interhouse.



Interhouse

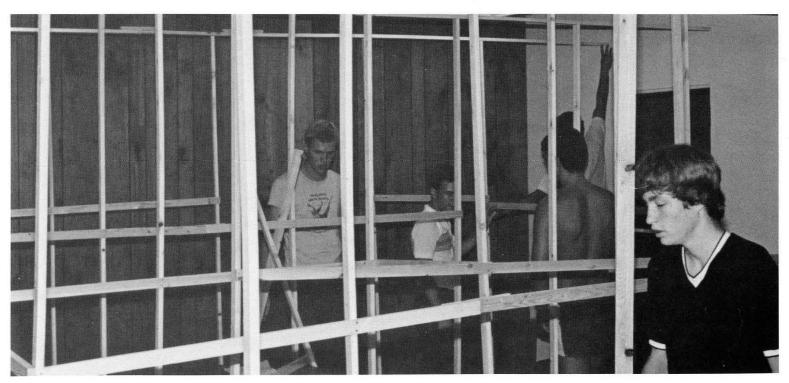


(left) The beginnings of the Interhouse ride.

(below) More Interhouse construction.

(way below) As work on the maze progresses, Scott Virgil takes a nap while standing up.





Page House

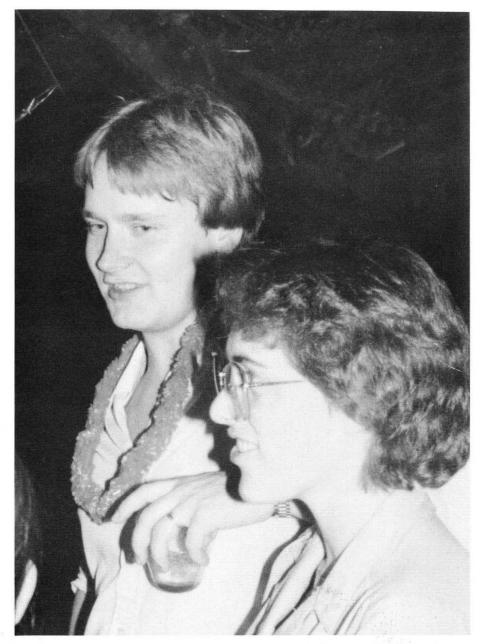
Page 153

(right) Doug and Cheryl enjoy Interhouse.

(below) Interhouse ride.

(way below) Headfirst at the Interhouse dance.







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Classes

(below) Freshmen (left to right):

Top: John Lade, Mike Jensen, Vince Ferrante, Will Evans, Al Becker, Mike Burl, Dave Parkinson, Tom Gould, Steve Hsu, Scott Virgil, Rob Luenberger, Steve Petrusiak, David Long, Joan Tetrault, Darin Takemoto, George Chen, Marty Zimmerman, John Mann, Steve Lodge, Descartes Li, Joy Mendoza, Gerard Wong.

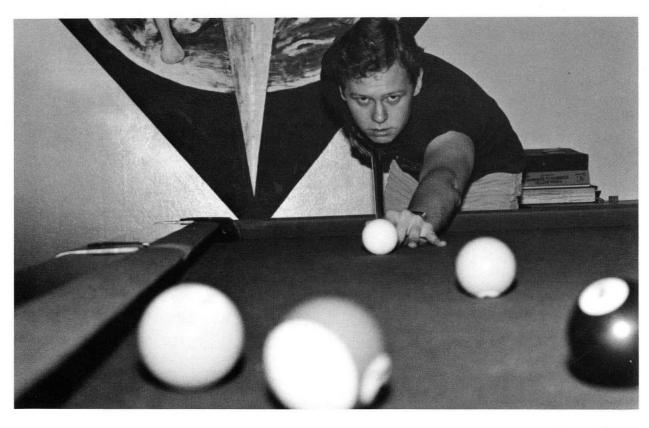
Bottom: Umar Mahmood, Christie Cooper, Chris Tamanaha, Joe Williams, John Beck, Karin Sangster, Michael Keating, Laura Sakamoto, Brian Ruess, Robert Jensen, Scott Lewicki, Liu-Yen Kramer, Steve Waltman, Steve Roskowski, John Sarapata, Ken Yoshimoto, Darin Acosta, Mike Goedecke.

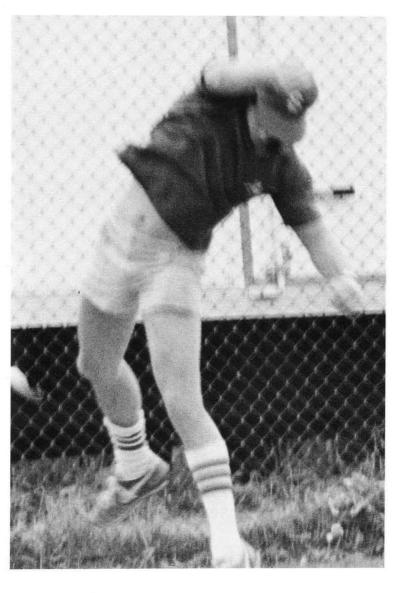


Page House Page 155



(above) Sophomores (left to right): Ryoji Watanabe, Lisa Cummings, Scott Karlin, Stuart Ray, Brian Burk, Brian Suggs, Supriya Ghosh, Sonja Benson, Robbie Dow, Matt Compton, Fred Ferrante, Warren Goda, Scott Grossman, Tom Luke, John Herndon, Kent Noble.





More Classes

(below) Juniors (left to right): Sean Moriarty, Dan Schwartz, Doug Stohler, Chris Hull, Ed Felten, Manny Acevedo-Ruiz, Cathy Shapiro, Mark Dombrowski, Steve Kong, Dan Davis, Michael Gibbs, Steve Loyola, Gerald Zeininger, Lew Aronson.



Page House Page 157

Opposite page:

(left, top) Dave Chavez in the long jump.

(left, bottom) Stuart and his carbon arc welder.

(right) Hans takes a break during Greased Frosh Races.

This page:

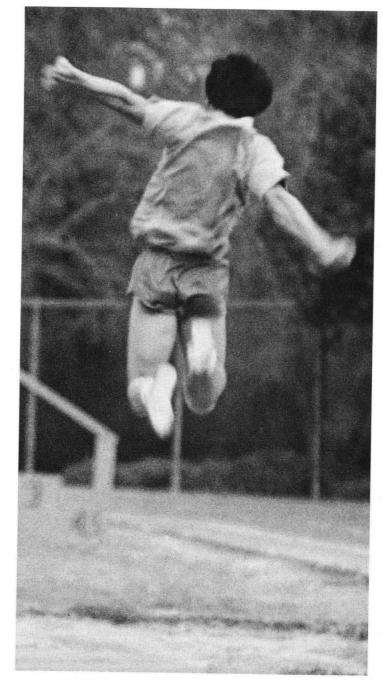
(right) Eliza passed out (again!)

(way below) Seniors (left to right): Dave Chavez, Hank Erving, Mike Terepka, Asad Khan, Joey Chang, Eliza Sutton, Dave Hawley, Erik Fernandez, Steve Baxter, Mark Marley, Phu Nguyen, Ken Hui, Joe Costa, Jim Determan, Reed Burkhart. Not Shown: Brad Brock, Melissa Farrell, Vance Haemmerle, Mark Holst, Keith Holt, Joe Lee, Yung Lim, Alan Murray, Pete Rodriguez, Suzanne Rosik, Doug Ruden, Phil Scott, Clara Spalter, Steve Stahl, Han Toh, Mark Waggoner.



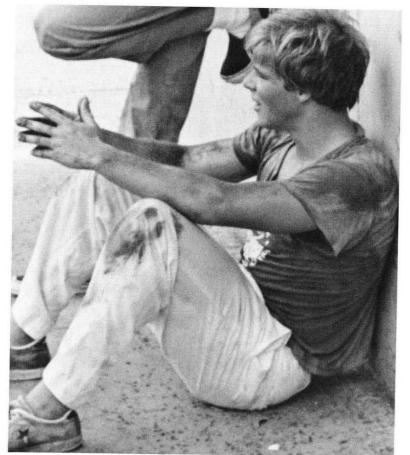






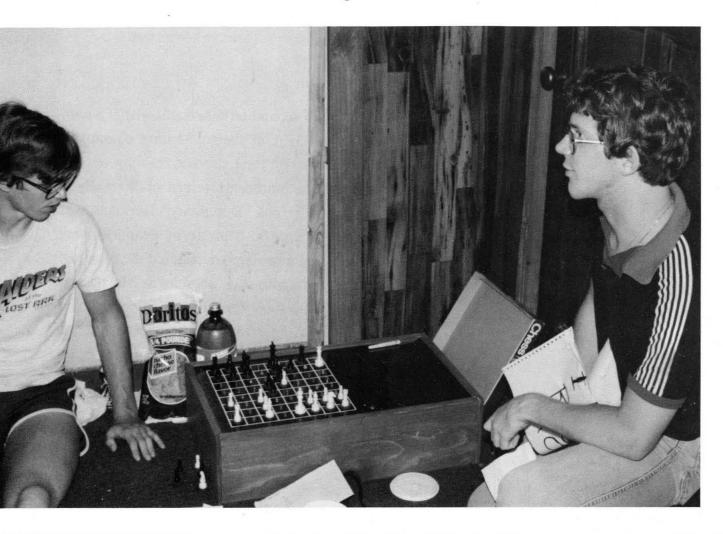
The beginning of second term brought with it a contest for the lowest GPA in the sophomore commune. The frosh brushed up on their survival training. House elections brought the umpteenth return of Wern Pyka (and wife) to Page. Hans "Doughboy" Hermans was elected prez on the "Kick butt" platform. Sean Moriarty was elected VP and immediately reinstated the long lost dinner guest program with such notables as Murph and the mayor of Pasadena. Warren Goda was elected secretary and revived the tradition of house lists and had severity on just about everybody. The Social Team sponsored donut nights in the library, a valentinemaking party and Easter egg coloring. Fred and Stuart were elected to BOC offices and their need for "privacy" led to the breakup of the sophomore commune (and hopefully better grades for everybody).





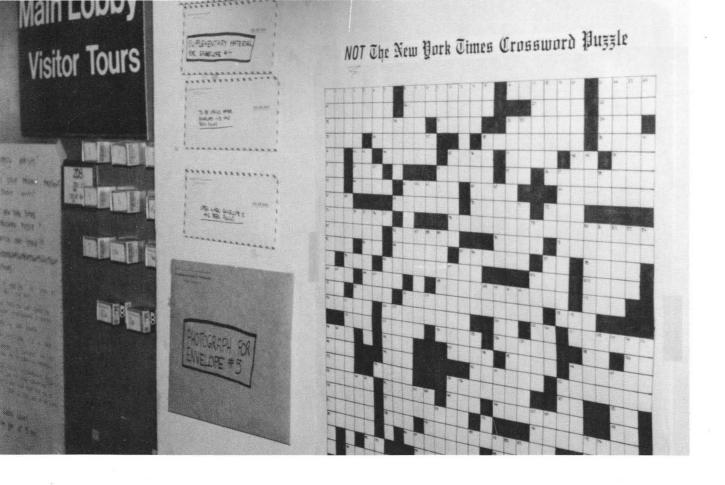
Page House

Senior Ditch Day



OLYMPIAD: Rafting competition in Page-Fleming Olympiad





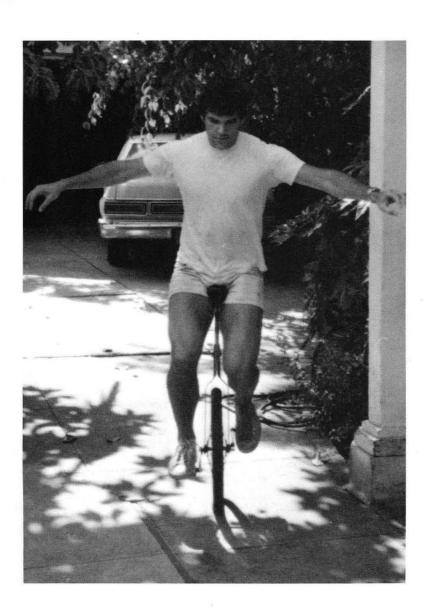
Senior Ditch Day:

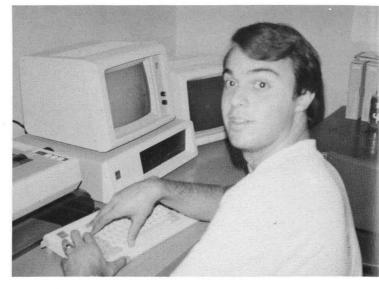
(above) Not the New York Times Crossword Puzzle Stack.

(below) Mark Marley's TIME magazine Stack.

(opposite page, above) Chris Hull and Marty Zimmerman work on the Cosmic Corner Stack.







House T-shirts arrived at the beginning of third term and there was a roller-skating party to promote house unity and spirit. Seniors began to make plans for jobs and grad school (and of course Ditch Day). Page House had infinitely spudly Ditch Day stacks including Cosmic Corner's EE chessboard stack, Eliza's calculatrivia stack, Steve B. and Joe L.'s crossword puzzle stack (featuring numerous Chinese delicacies), Mark Marley's TIME magazine stack and others. While underclassmen tried to break the stacks, Page seniors went to Manhattan Beach, Palm Springs or whereever (except for Han Toh, who was tied to a tree).* Everybody eventually finished their work (or got extensions) and there was a big sophomore drinking party on Wednesday night of finals.

*Steve Lodge waged war against Servo and the house eventually voted itself off board for next year.



Opposite page:

(left) Sean Moriarty
(right, bottom) HIM

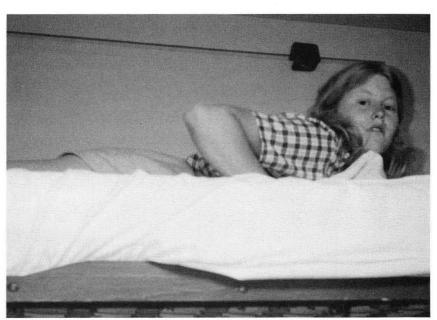
This page:

(top) Michael Keating (BABY!) makes a new friend.

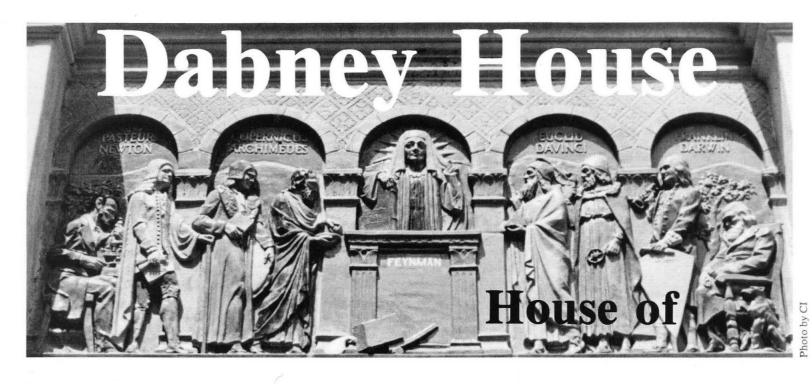
(left, bottom) A little sleepy there, Joan?

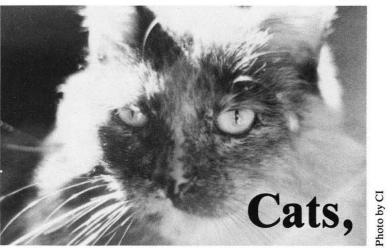
(right, bottom) Diane doing her morning bed push-ups.

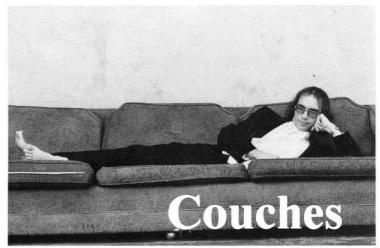




	Credits
Section Editor	Steve Baxter
Photographers	Lisa Cummings David Hawley







DABNEY AS SIX

An image of switch sinsless mindery stirs up from alley three:

Fatalistic alchemistic scientific buggery

And still dellusioned with suchnology I could not help but stay;

See it ended through the two, to be the form in play

Form's what affirms is what the poet says so with it all, the six and violets,

The life, the dance, the journey...it affirms

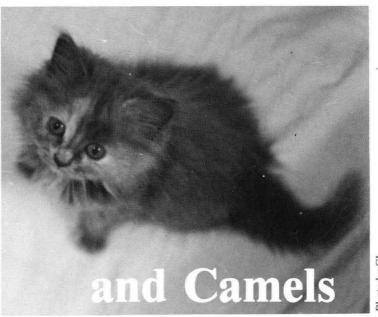
It's the structure that remains behind as Thing-I-Want-Endure:

Five-square sophistry couched within that learning urge to burn.

Twirling forward and kicking back a snake partakes of six Being's next to loudliness To Do

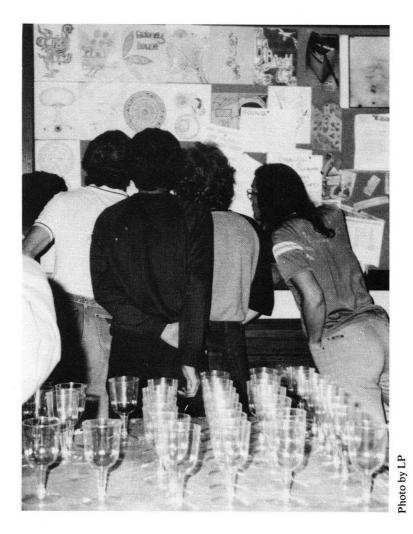
Begets Mistook.

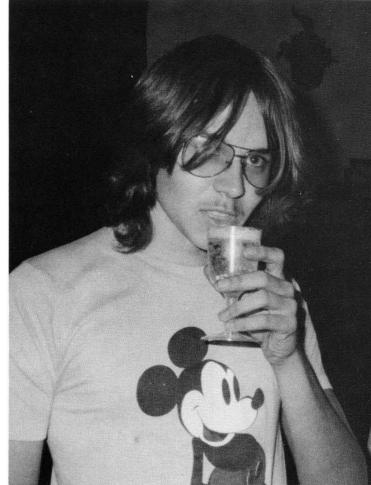
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Dabney House











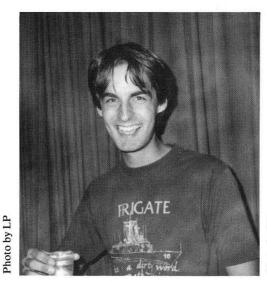


Photo by LP

TwightLight Zone

Rotation went spinningly ("If you lengthen rotation you don't conserve angular momentum" — attributed to Dr. James "The Beave" Cser—(or words to that effect (we think))). 5.5x10⁻⁶% of the population of the U.S. chose to come live in Dabney House this year (an all-time high) & boy, were we pleased. Unlike some (six) other houses, which shall remain here nameless, we gently welcomed our frosh with champagne, rather than shoving them under scalding water in a crude display of primitive animalistic tribal behavior (Down, Ev.) No, seriously, it was all quite pleasant & people actually ended up living here. The gentle singing of happy freshmen as they frolicked into our courtyard lent an air of peace & tranquility seldom matched in the annals of scenic Dabney House. (No, really!)



(top) Crude display of primative animalistic tribal behavior. (middle) Wait! Where's Howie? (bottom) Figure 1.

Some time later, these same frosh, transformed by their environment into crazed (Er, what have you done with Howie?) wild-eyed thrillsdemons, participated in a crude display of primitive animalistic tribal behavior, including reeling & writhing (and arithmetic!), called the Frosh Bonfire. During this bonfire, competitions of strength & daring —leap over the flames, guys! — were engaged in, and one poor palm tree was severely traumatized.

Early next morning Joel Harris, aspiring young mechanical engineer, spots a palm tree bursting into flames. He continues to work.

- T. Tucker & S. Goodnick (unison): Hey! The tree's on fire!
- J. Harris: Oh, good. I though I was hallucinating.

We clogged our drain, too! (see fig. 1)

The year is nineteen eighty-four. Darbs, sporting business suits and nametags and practicing psychological warfare tactics on the other houses, found that yes, conformity is boring.

Your can tell; the highlights of the gala event were balsa wood torture devices and a rat (shipped from occidental especially for this occasion.

On to christmas...um, I mean winter solstice.





noto by CI





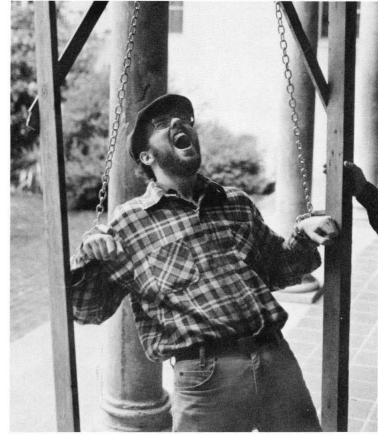
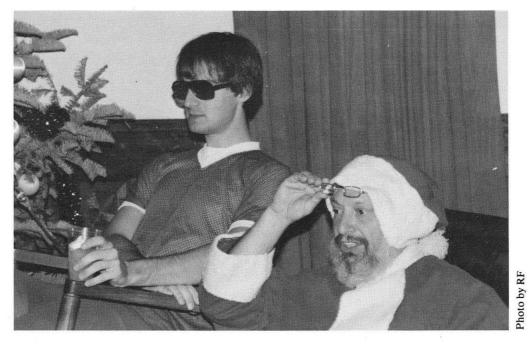


Photo by CI

(top) Jim Cser and Big Brother. (left, bottom) Interhouse. (right, bottom) No, we don't...shower...frosh.

Photo by RP









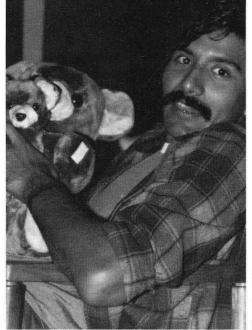


Photo by BM



-orHow I Spent My Christmas

Revelling With Revel

How I Spent My Christmas Vacation

I saw Santa. Boy, was Santa smashed. So was his young male companion in the green tights (known to his friends as "Hunny" (watch it -ed.)). Everyone got lots of presents. I got a rock. Boy, christmas at Dabney is loads o' fun! I sure wish I knew what that thing Theresa got was, though.

Darryl E. Ingers Grade 5 PS #42

Then came initiations...(Shh!-ed.).

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oto by R



hoto by R

Dabney House



Elections at Dabney House—Campaign '84

1984 elections at Dabney House were unique in many respects. The most obvious of these was the election of Albelt "Plalitagain" Patyerqsczen as the first freshman president since eighteen ought...(no, wait, you're wrong!—ed.).

1984 elections at Dabney House were unique in many respects. The most obvious of these (and the most important!) was the live up-to-that-minute scientific computer-assisted technomatic spango-coverage of election results (as they came in!) by our trained staff of clept-pavate (No!-ed.) "Darbs-of-days-of-yore" (yore mama! (No! No!-ed.)) newshounds.

Old Excomm: Barb Turpin (President, the BIG CHEESE), Jim "H.N.I.M." Mayhew the Elder (The Penultimate Cheese), Brian "The Boar" Mapes (Secretary), Bill "William J." Callahan (Treasurer), Jim Cser (Social VP).

New Excomm: Brian "Never Sleeps" Mapes (President), Jim "The Beaver" Cser (Vice President), Theresa Solberg (Secretary), eV "Crisp Bills" Howe (Treasurer), Felice Borisy (Social VP), Milagros Montalvo (Social Team), Lisa "Alan The Trout" Payne (Social Team).







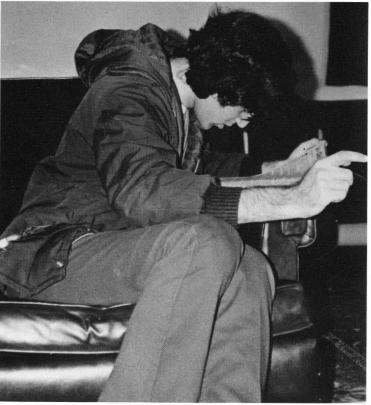


Photo by GM

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Third Term!

(Big Deal. -ed)

(Cathy: I'm not ed yet!)

Diligence and rigor mortis set in when we got our house "IBM wonder—PC" amazo-machine. (correlation does not imply causality—ed) The PF—474 and the stunning "Bio-Bolt" added to third term's festivities.

Oh, yeah - Easter!

Easter began with the frivolous and frinky frantic and frenetic phrenological first annual look-for-the-melter-chocolate-eater-blobs-in-the-courtyard contest and pot-luck dinner. Ken "Hoppity" Hooper won by a figurative landslide, finding over sixty of the festive melted-chocolate-Easter Blobs. His Prize: a rabbit-shaped cemestibile, as yet (we mean *now*, not *then* (although of course it wasn't then, either)) uneaten.

Ditch Day arrived, much to everybody's chagrin (No!! We weren't chagrined at all. That's just not true.—ed)(Lames Host was, Ha,Ha!—counter ed). Every stack, but Anne's and Paul's was broken, and even Anne's was badly bruised. The bribes were delicious, and only one counter-stack was really attempted, although Joe's room was so full of people enjoying the bribe that the effect was nearly the same (Marg and Al—122pts!? A nod's as good as a wink to a blind bat, eh, guv'nor?—See center right).

Drop Day, of course came and went. We had the Jordan Canonical Elusive Trails as well as the upand-coming, Tom and Jerry and the Looneytunes. Lots o' dancing went on and Paul Filmer's Chinese Juggling Act was all the rage.

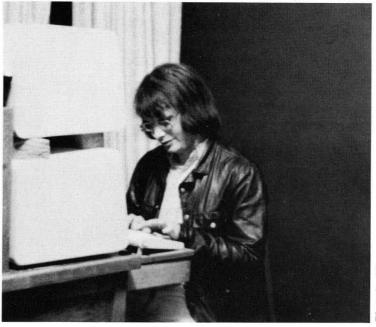




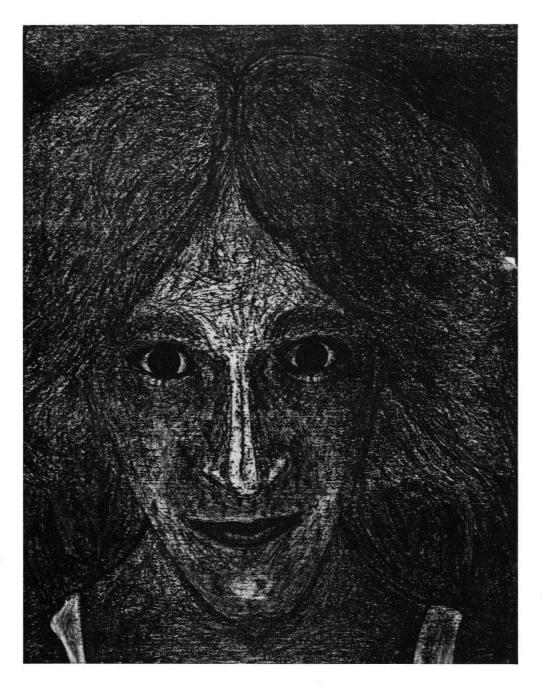


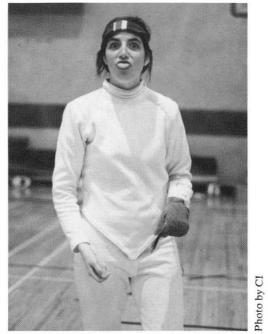


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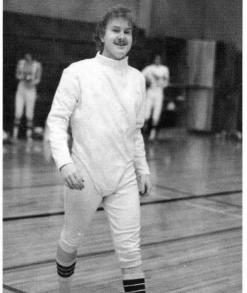


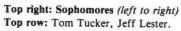
Photo by CI

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Dabney House







2nd row: Cora Chow, Joel Harris, Joshua Susser.

3rd row: Everett Howe, Marguerite Payne.

Bottom row: Michael Roberts, Milos Montalvo, Felice Borisy.



Photo by CI



Left: Freshmen:
Mark Foxwell,
Andy Dowsett,
Dan Harrison,
Eric Stier,
Steve Gonzales,
Andrew
Huntington,
H. D. Bloomer,
Al Petterson,
Bill Callahan,
Ralph Wolf,
David Leahy.

hoto by CI



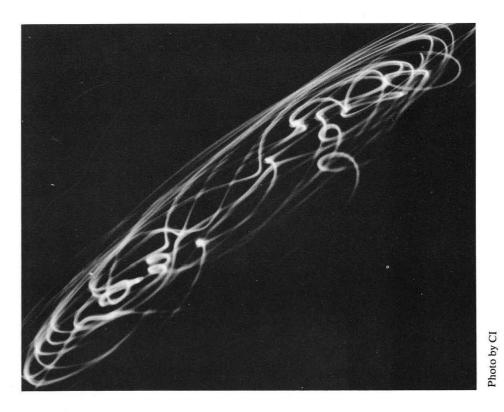


Seniors (left to right, sort of): Mark Purtill, Kirk Kanzelberger, Barbara Turpin, Peter Grieve, Paul Ste Marie, Anne Herrmann, Ethan Lavan, Gail Manning, Peter Siracusa, Joe Decker.



Left: Juniors:
Mike Allweiss,
Ken Bell,
Ken Hooper,
Eugene Hu,
Jenifer Jerlstrom,
Brian Mapes,
Cathy Ifune,
Jim Cser,
John Morrison,
Lisa Payne,
Kent Cantwell.

Page 174



Untitled

From the perspective of having seen the pattern, it is important to realize that to see the pattern is unimportant.

If you find life beautiful it does you no good to appreciate it. You must live it.

Blackbird

I have travelled From womb to tomb. I have seen Hell. It is stone cold grey.

I have been buried alive, Waiting in a marble sepulchre With a thousand human rhinds Squeezed dry of pulp and juice.

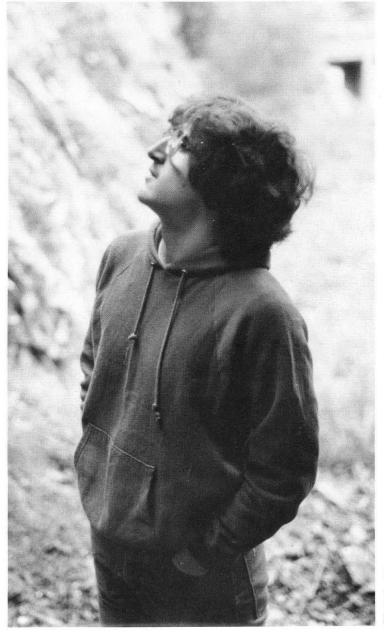
I have felt my lone spirit
Diffuse through them
Like a drop of crimson dye in an ocean
And vanish.

I have looked into their sunken eyes And seen the dull black machine Without the sparkle of the ghost.

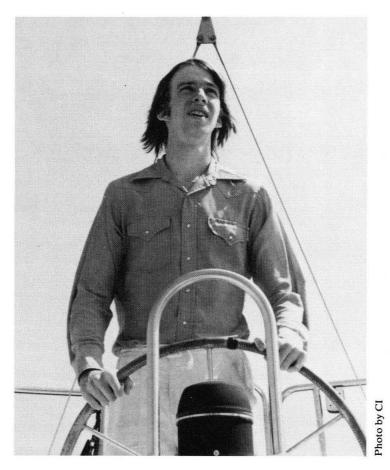
I have joined the herd With a painted on disguise That soaked through my skin And chilled me to the bone.

I have returned to life In 3 – D day-glo technicolor With the warm, vibrant haze Of extravagance.

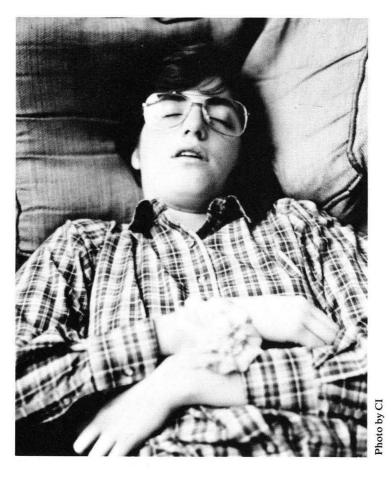
I saw a young musician
With a full beard and an empty stomach.
Singing freely on the street.
He asked why I was crying.



oto by C







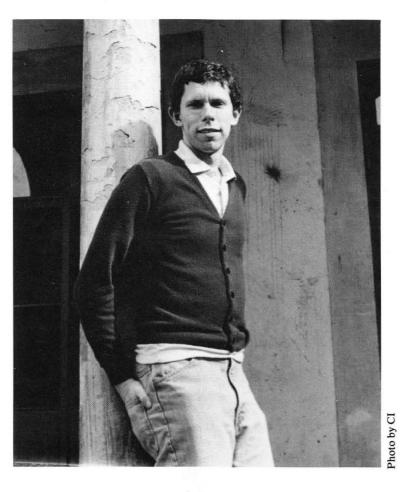


And now, a closing poem...

Another year has come and gone
And with it happy times.

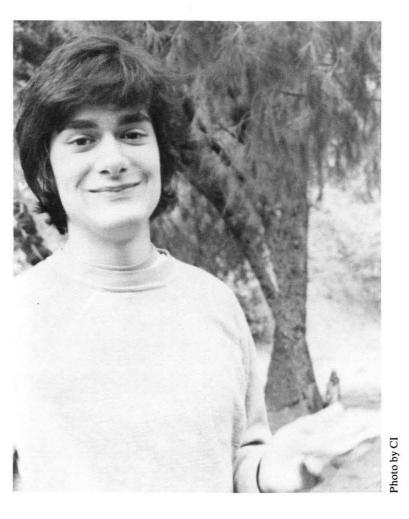
And as we leave, we say goodbye
To joules and ergs and dynes.

—Attributed to P. Siracusa (1984)











Credits

Director:

Assistant Director:

C.K. Ifune

K. Hooper

E.W. Howe

L.M. Payne

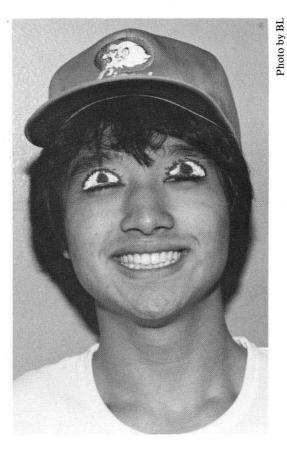
Additional photography provided by:

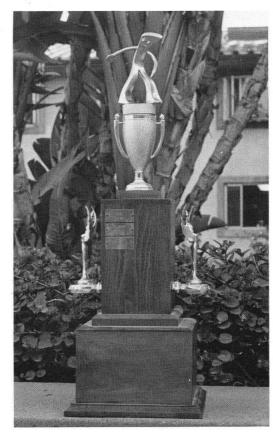
G. Manning

R. Fong

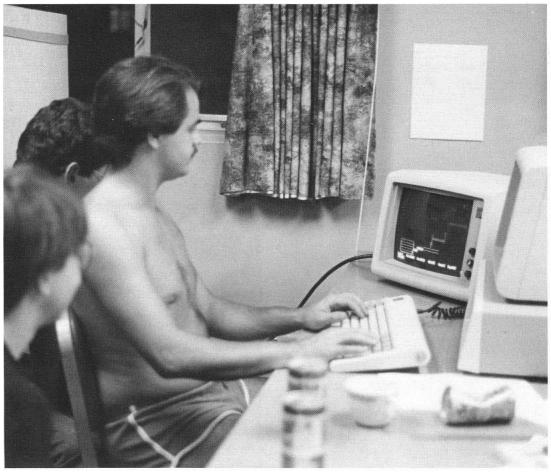
House of Gods

R U D D O C K





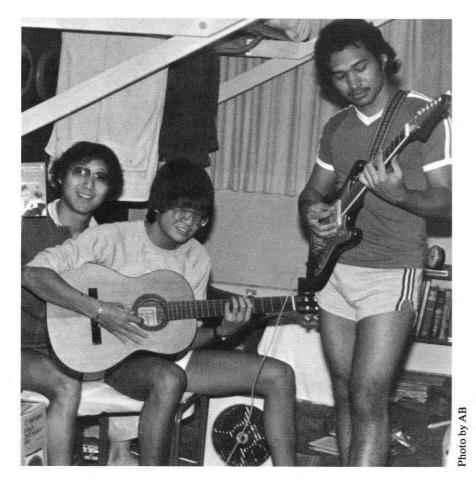
AND WARRIORS



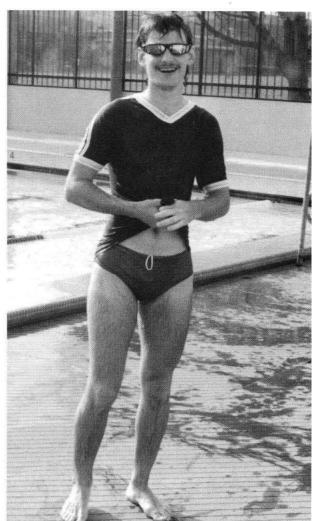
H O U S

E

Shorto by AR



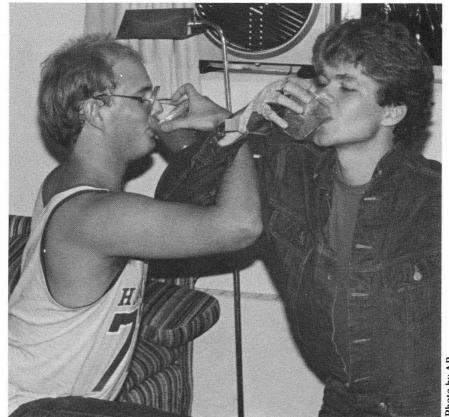
AND MEN WHO



oto by S

Photo by SS.

CAN HANDLE IT



IOLO DY A

Ruddock House



AND WOMEN WHO CAN TAKE IT



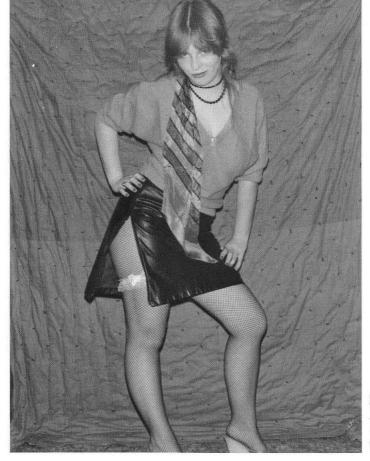
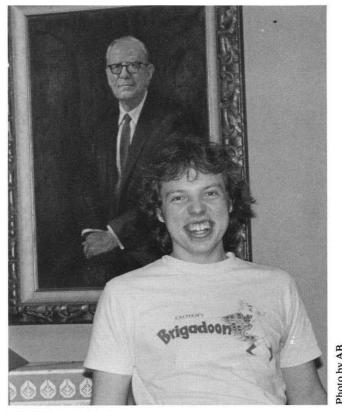


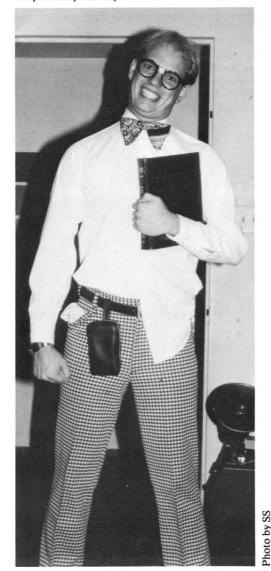
Photo by SS

Page 180



Like Father, like Son?

Voop! Zwoop! Zwoop!



Why the guilty look, Yvette?

I'm done. No more **Tech** or yearbook to do! I hope Karen and Brad have fun doing next year's Ruddock House Section, and I wish them good luck. Despite some people's worries, this year's section is quite normal and traditional.

Oh, well. The year of 1983-84 started off with the usual hubbub of frosh camp, rotation (more on this later), Deb expecting, and everyone flicking their first two weeks of classes. The latter was partially due to participation in Hassle Week. The pledgemaster survived unscathed, although the freshmen demonstrated unusual ingenuity in accomplishing their daily tasks.

Soon after this fun, people started to seriously discuss the replacement of rotation with a different system for placing incoming students into the student houses. Some even wanted to eliminate the houses and have dorms (a parking lot at Fleming maybe). Then came another of the many ancient Caltech traditions: Interhouse. Again, the

Feeding time at the Piranha Pond.



oto by S



House Zips (left to right)

Midair: Alan Marumoto, Sam Wang, Kevin Wilson, Nathan Hurvitz, Rod Van Meter, Rajeev Krishnamoorthy, Dean Elzinga, Richard Doherty, Jim Helgren.

Earthbound: David Feldman, Paul Young, James Liu, Derek Nguyen, Mario Montessori, Sherry Smith, Karyn Betzen, Mark McDonald, Drew Lindberg (behind Nathan), Ken Whang, Deirdre McClure.

In over their heads: Jon Brendsel, Scott Brylow, Dara Chang, Jim Hamrick, Heidi Langeberg, Yvette Madrid, Tracy Petersen, Debbie Pinck, Janice Sakai, Joel Seely, Josh Susser, Tarn Tantikijrungruang, Brian Tsai, Jesse Wen, Dave Werntz, Janeen Williams, Sing Ung Wong, Kiyo Yamazaki.





Photo by AB

Page 182

Ruddock House



House Wasted Union (left to right):

Front row: Jason Hickey, Mark Lewis, Anne Sauter, Kenny Chan, Karla Peterson, James Dunn, Lily Wu.

Middle row: Cinsy McCalley, Stan Berman, Doug Stohler, Steve Loyola, Paul Graven, Craig Zupke, Glen Crawford, Doug Simons, Aaron "Boss" Roodman.

Back row: Mrs. Casey, Kevin Cooper, Anirvan Ghosh, Chris Cotterel, Brad Lincoln, Dave Ruhde, Mark Adams, Stan Bielfelt, Louis Cuellar.

Absent: Manny Accepted Paig Jan Anderson, Brian Bush, Young Chang, Mike Curtin Pam DeMoor, James Dunn, Faye Flam, Jeff Freymueller, Russ

Absent: Manny Acevedo-Ruiz, Ian Anderson, Brian Bush, Young Chung, Mike Curtin, Pam DeMoor, James Dunn, Faye Flam, Jeff Freymueller, Russ Graymer, Glenn Gribble, Sue Gross, Charles Hershey, Bryan Howard, Karen Kurowski, Peter Lim, Elliot Lowy, Bob Myers, Tan Ngo, Eric Olafson, Teresa Solberg, Greg Sorenson, Steve Thomas, Kurt Schwartz, Fu-Sheng Tsung, Michele Walters, Julian West, Christine Yu, Margaret Olich.





Photo by SS

Ruddock House Page 183





House Trolls (below, left to right)

Sitting: Andrea Bland, Paul Rossow, Pam Feldman, Tuyen Pham, Pete Hughes, Ichiro Takeuchi, Joe Greenlaw.

Standing: Mike Vanya, Fumihisa "Biff" Yamazaki, Danny Loeb, Chris Hougen, George Stecher, Sonny Lee, Mark Vagins, Romsom Chu.

Up a tree: Eddie Yin, Mike Song, Bharathi Jagadeesh, Rosie Wu, Kathy Hayashibara,

Out on a limb: Chris Mihos, Mike Rhodehamel, Todd Savitch, Albert Park.



Photo by SS





hoto by

House Studs (below, left to right):

Dave Marvit, Brian Lau, Morry Katz, Mike McDowell, Clare Stassen, Chris Stassen, Glyn Anderson, Darrell Schlom, Joe O' Donnell, "Powerful" Dave Sahnow.

Unbalanced: Stephen Anco, Theresa Birdseye, Johanne Bolduc, Daniela Bonafede, John Chang, Evan Cromwell, Jim Drake, John Fong, Dave Fun, Ron Gidseg, Cecile Huling, Greg Kavounas, Irwin King, John Mahony, Brad Marston, Candi McCoy, Larry Meixner, Niels Michelsen, Ed Miles, Anthony Miller, Robert Murphy, Paul Munro, Dave Newhall, George Pitt, Steven Riley, Kelley Scott, Jonathan Shapiro, Doug Shors, Tony Skjellum, Matt Swass, George Tolomiczenko, Harold Weiser, Todd West, Guy Wisanrakkit, Dave Zobel, and moi.



Photo by BL

Photo by SS

Before

The Old Excomm

(left to right):

Tracy Petersen (Librarian), Karyn Betzen (Social), Dave Sahnow (Secretary), Joe O'Donnell (Treasurer), Larry Meixner (President), Cinsy McCalley (Vice President), Jim Helgren (Ath. Team), Deirdre McClure (Social), Drew Lindberg (Ath. Team).

After





UCC'S



(left to right):
Evan Cromwell (4),
Craig Zupke (1),
Mark (Yarmo) Adams (5),
Chris Cotterel (SG),
Jason Hickey (3),
Glyn Anderson (2),
Karla Peterson (6).

Photo by S



The New Excomm

(left to right):

Top: Michele Walters (Secretary), Mark Lewis (President), Sherry Smith (Social).

Middle: Jason Hickey (Vice President), Craig Zupke (Ath.), Jon Brendsel (Social).

Bottom: Chris Cotterel (Ath), Stan Berman (Treasurer), Sam Wang (Social), Biff Yamazaki (Librarian).





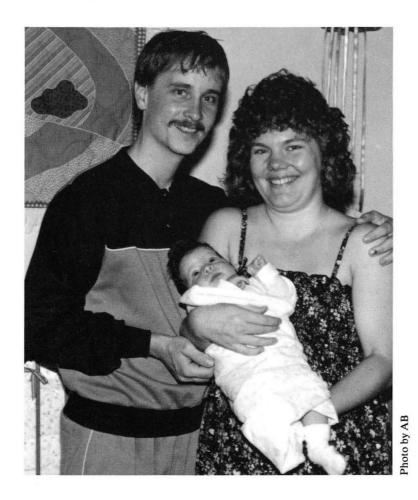
hoto by AB

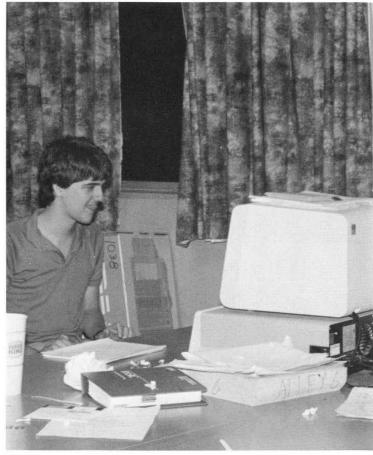
"mellow" theme was a success with a dual bar on the beaches of Hawaii. One was a classy and "jazzy" bar, and the other a sleazy hole-in-the-wall. All very relaxing, even the drug bust. First term also saw the return of the again-kidnapped Fingle from Lloyd. And not a word was ever heard.

After Christmas, preparations began for elections (yet another tradition to be challenged). As per the trend, the old system was almost eliminated on the night of elections due to the stubbornness of many. But even though the seniors did control elections (to a limited degree), the new president announced afterward that the class rivalry was ended and, in its stead, the seniors would entertain the underclassmen in future elections. Yes, a year of changes, which also included many debates on house security. After many serious (as opposed to superfluous) statistics on house thefts were announced, it was decided that Ruddock would be the first house to test out new security alternatives. The locks are on the way, so thieves beware (Thanks-eds.).

On a lighter note, the women of Ruddock returned from their trip to see male belly dancers only to find themselves bereft of their "lounge" facilities. Boys will be boys.

New Arrivals

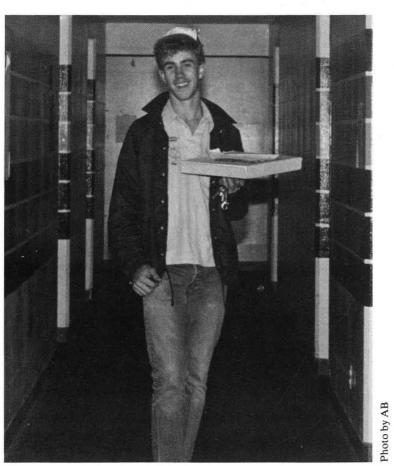




IBM "The Roguer" xT.



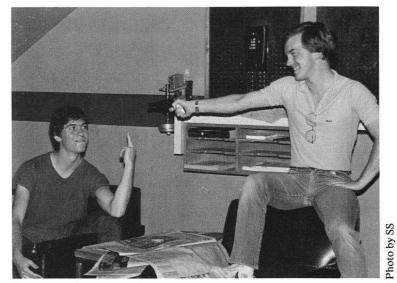
Pyrad Zupke.



Monk's Pizza.

Page 188

Photo by AB



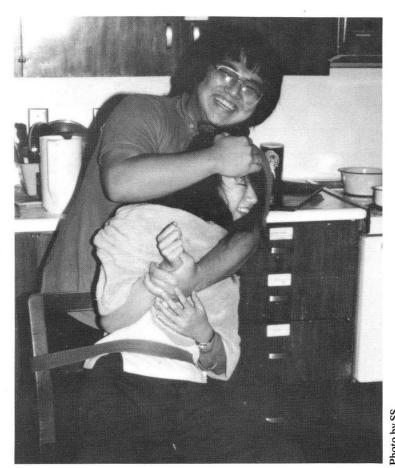
Old Rudds never die.

Sleeping Beauty?



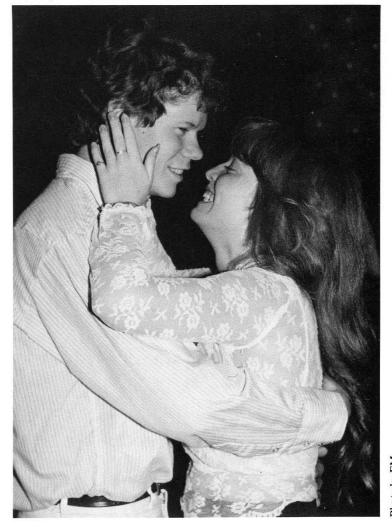
oto by SS

Finally, Third Term arrived, with underclassmen looking forward to Ditch Day and summer vacation, and with Seniors looking forward to graduation and The Real World. Third term was blessed with two new arrivals. The first of the new arrivals was Rick and Deb's little girl Jennifer on April 27 at 12:59, and the other was one which changed the house's attitude on computers. It was our very own "Rogue Machine." Then came Ditch Day, with a hike into the mountains, the search for Mr. Low, rats in mazes, great robots, tanks, and a day in the life of a ChemE. After that, all was quiet, except for a sudden inflow of "Vans" as the official shoe of Ruddock. Finally came finals and graduation. Now it is summer, and I hope that all of you have a fantastic one. I'm going to miss Ruddock (we aren't-eds.)!



Child Molester.

Oh, alright. - Editor Steve Swanson

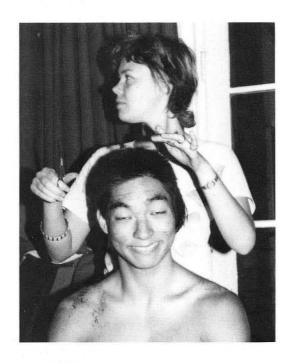


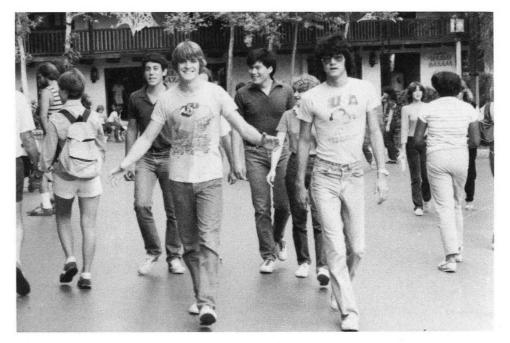
oto by E.

-SRS



THE HOUSE OF WEIRD SH--...no, wait, that's not us! We're the House of Gracious Living, the House of Usher, the House of Reggae, the House of Party Machines, the House of Anarchy, the HOUSE OF.....







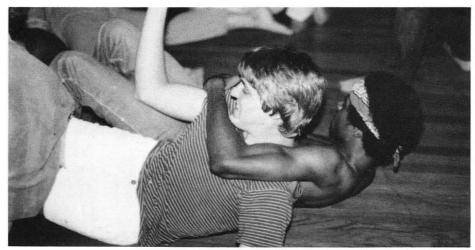
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Blacker House



Well, here we see the house of wanton violence. The impressionable young frosh are forced from the start into the cruel practises of the heartless upperclassmen.









From the humiliating degradation of showering, to the sometimes painful (but ego boosting to the upperclassmen) antics of the Lounge Run, the frosh get their first taste of life in Blacker. But, wait! There'e more....

Blacker House Page 191

Not one to shun cultural exchange, the denizens of Blacker, or more commonly, "Moles", dive wholeheartedly into the annual spectacle of Interhouse. Working hard, usually a day before Interhouse, Blacker is transformed into a virtual wonderland.





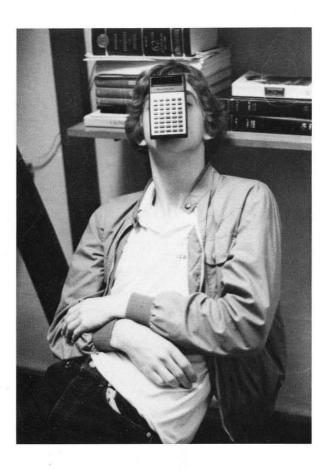




Indulging in their favorite vices—sex, drink, music, and of course mud—the Moles live up to their undying party spirit.



Blacker House



Ahhh, but we Moles aren't always so frivolous. The heavy pressures of college life find their release in simple actions, such as calculating thought (sorry), more drinking, the inslaving of small children, the ridicule of half-naked orientals, shock therapy, or staring blindly into a fireplace for hours on end.





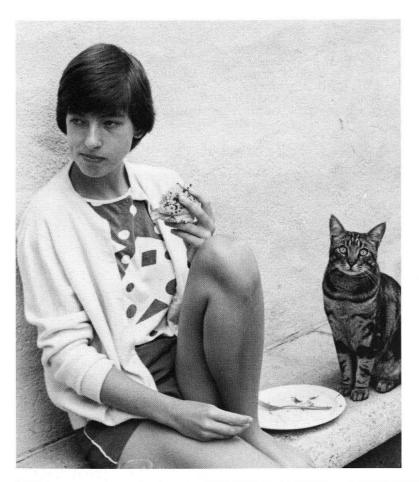


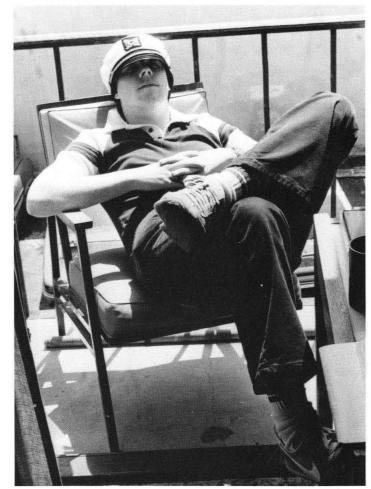




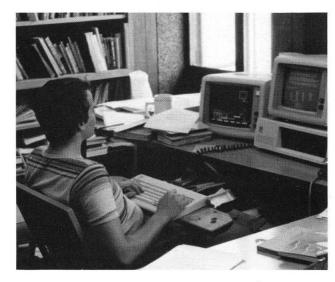
Blacker House

Page 193

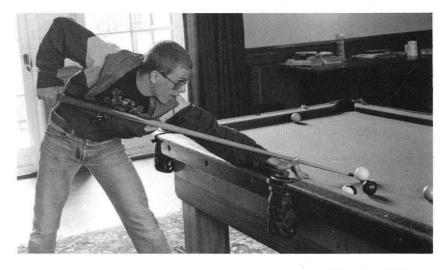




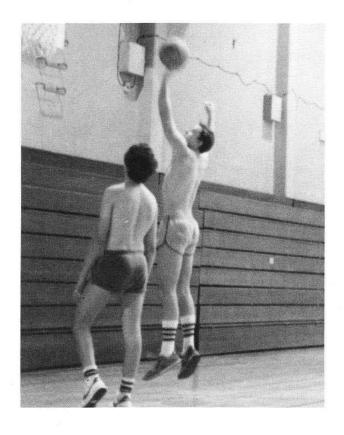


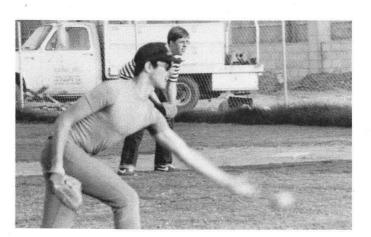


These benign pursuits are a relaxant to the typical highly active Mole. Afterwards, the fully recharged an ready Mole is prepared to show the world, or at least our little corner of it, what Blacker really stands for.....



Blacker House

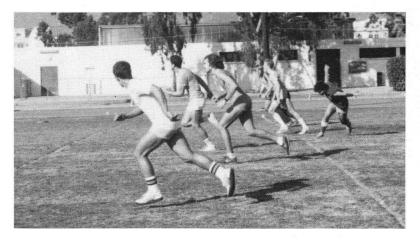




SPORTS!

Yes, we Moles are all-around natural atheletes. Our superhuman strength and agility, plus the characteristic high intelligence found in most nerds in captivity, make Moles formidable opponents in any sport.





There is no sport that we can't play. We even win, occasionally.

But we haven't introduced ourselves; forgive us. Here is the Michael Jackson Fan Club, more commonly known as the SOPHOMORES.

Sophomores (left to right):

Center: A. Miller II (not related at all to M. Jackson).

Assorted Ghouls: M. Penn (a gweebert), R. Horn, R. Fatland (there's an aumlaut in there somewhere), N. Inada (also a gweebert), R. Ling, M. Carter (luv that smile), D. Agabra, M. (9.5 in.) Rigler, T. Megeath, D. Hull, D. Gray, J. Im, C. Meisl, L. (legs) Henderson, P. (prez) Ashcroft.

Missed the rumble: S. Goldstein, T. Lawton, S. Shin, M. (Boo-Boo) Bronikowski, P-T. Kan, C. Hu, L. Hannah, K. Hahn, K. Taleghani.



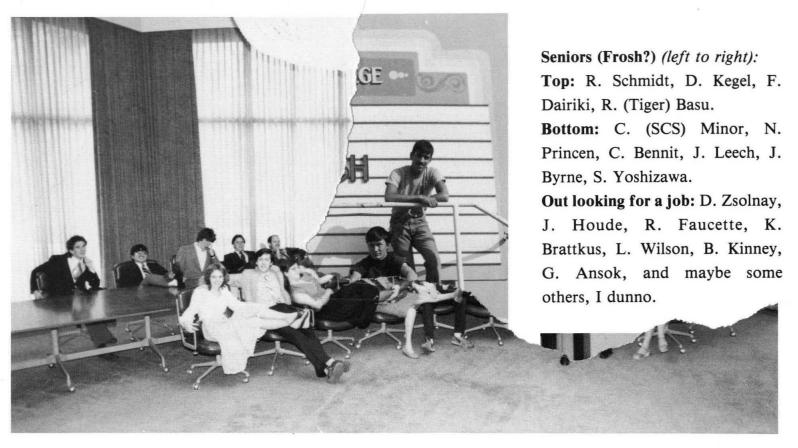






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Blacker House



Frosh-types (left to right):

Front: D. Meekhoff, T. Nolan, S. Hannaford, S. Sharfstein, M. Turner, S. Blumhorst, M. Phoniadakis, T. Aldcroft, L. Ekroot.

Rear: P. Cho, K. Wong, E. Llewellyn, C. (Chadness) Nelson, L. Hesseltine, K. Liu, N. Drehwing, D. Wittman, T. Wahl, B. Magnusson, B. Newman, J. Profit, C. Fu, F. Lord, B. Gustafson, M. Blume.

Showed up later: J. Bell.







But then there's....

Blacker House









This page is set aside to honor the meteoric rise to fame of the home-grown band, THE YOUNG I—PUBLICANS. First formed for Interhouse, the band survived to play many more concerts. You guys (and gals) were really fantastic!

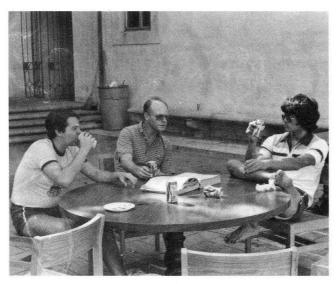


Blacker House

The Associates Tea, one such tradition, brings together the faculty (those that show up) and the students in a pleasant picnic-like setting. Matt the Veep did a great job arranging it this year. It was a reasonable success.









Blacker House

Before I end, I'd like to say farewell to Mark and Jane Crawshaw, great R.A.s and good friends. We'll miss ya a lot. Good luck!

Also, welcome Salmons, our new R.A.s for next year!

That's about it, really, You're tired of reading; I'm tired of writing. Let's turn off the lights and get some sleep. See ya next year!

	Credits	
Section Editors		Davy Hull
		Andrew Miller



Photo by MSY



Welcome to

Lloyd House



Whadda you starin' at?

Lloyd House



You did what with the broccoli?



Bank of America? Why would I know anything about Bank of America?



Hey, baby, wanna go to a movie?



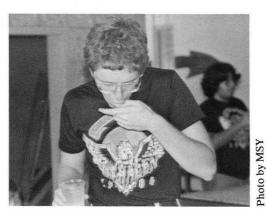
The Natural



Photo by MSY



Photo by RH



Classes



SENIORS (left to right): Liz Newman, Scott Paine, Robert Kelly, Roy Hashimoto, Mehrdad Haghi, Kathy Sheedy, Sergay Mnatzakanian, Marty Sirkin.

Not here (top to bottom): Greg Bala, James Bell, Joe Burfoot, Howard Chen, Thad Conneally, Matt Duiker, Mike Fernandez, Lucy France, Kirk Haselton, Brion Hutton, Ali Kazeroonian, Moses Mares, Steve Martin, Debbie Mathews.



SOPHOMORES (left to right)

Down in front: Joseph Kovalik, John Bruckner, Arturo Alcazar, Chang-Dong Yoo, Robin Wilson, Dara Chang, Michelle Miller, Chris Chen, Takako Matoba, Sanjay Agrawal, Joe Wirtley, Salman Mitha, Ashok Krishnamoorthy.

Up in back: Norman Baatz, Amy Yoshida, Harold Felton, Rod Van Meter, Ross Berteig, Jeanine Gainey, Myles Sussman, Yosufi Tyebkhan, Tammy Choy, Karen White, Sandy Lee.

Inverted: Dave Gallup.

Not here: Jack Ausman, Brian Bohn, Diana Foss, Adam Lewenberg, Brian Lund, Andy Swanson.



JUNIORS (left to right)
In front: Paul Haase, Chris Kyriakakis, Ed Casey, Jeff Freymueller, Russell Graymer. Along the banister: Tetsuo Fukuchi, Jim Kennedy, Creighton Asato, Cathy Hayes, Paul Stankus, Phyllis Li, Tad White, Susanna Chan, Steve Nixon, Chris Tiller, Eric Kawamoto, Mark Pitt, Richard Regan, Tim White. In back: Andy Hall, Dan Briggs, Steve Roy.

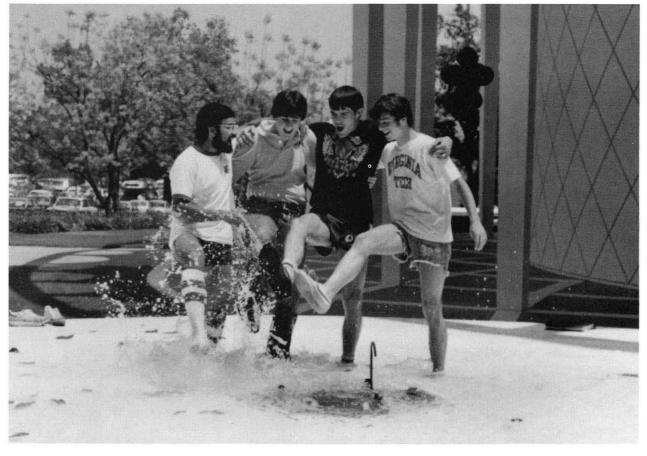


Photo by MSY

Page 205 Lloyd House



FRESHMEN: (left to right)

In back: Bill Breazeal, Vladimir Degen, Eric Smith, Sho Kumamoto, Nadeem Ghani, Jean Tang, Khanh Nguyen, Ravi Subramanian, John Simpson, Cathy Chang, Brett Bush, Nhi Hua, Andy Lee, Atul Srinivasan.

In front: Tim Parrott, a sign representing Tom Rathjen, Bill Woody, Gabrielle Gordon, Ray Trent, Matt Crandall, Charles Patwell.



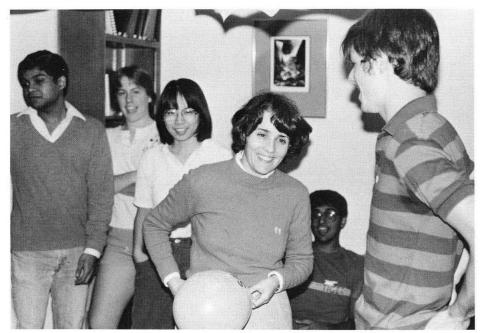
PEOPLE WE CAUGHT LATER (left to right): Tom Rathjen, Lisa Nikodym, Lee Sunderlin, Min Su Yun, John Rostykus, Hojin Ahn, Ted Williams, Joe Frisch, Jeff Clayhold.

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The Old Guard



oto by R



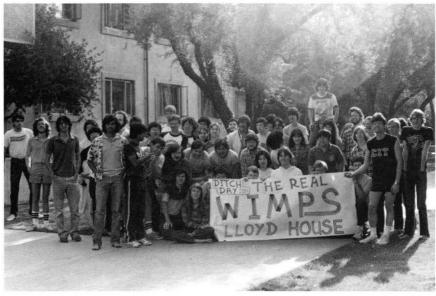
My vd ot



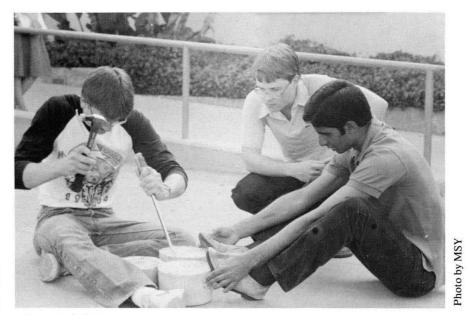
hoto by RP

Ditch Day





The truth revealed.



Perhaps explosives...



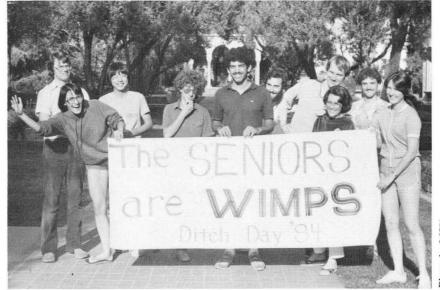
Photo by MSY



I don't trust that ticking.



Photo by MSY



Indeed.



Photo by MSY

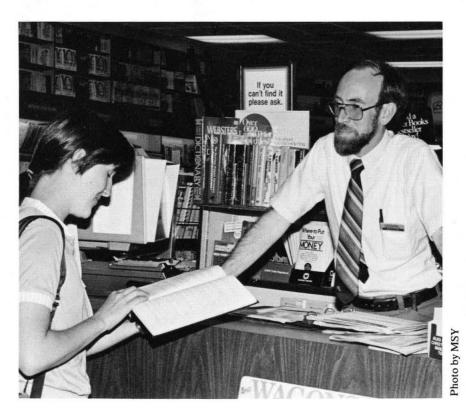


Photo by MSY



Photo by MSY



Photo by PA

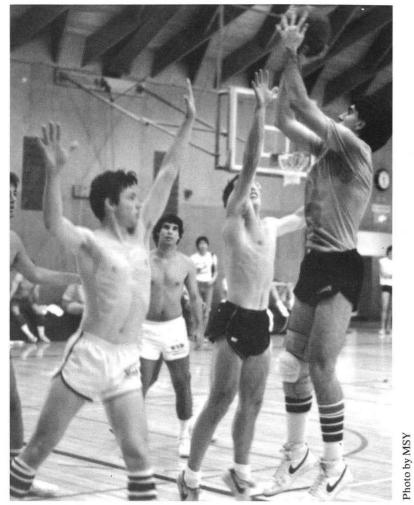


Photo by MSY

Which way to the beach?



Photo by MSY



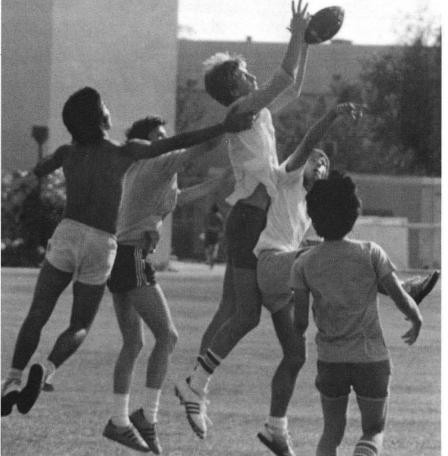
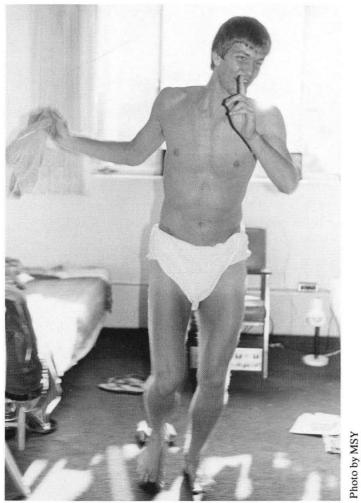


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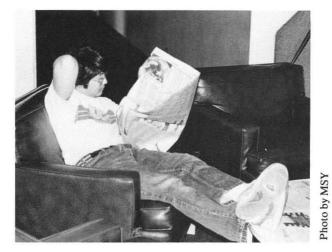
Photo by MSY



Perhaps he isn't dressed formally, but are you going to tell him that?



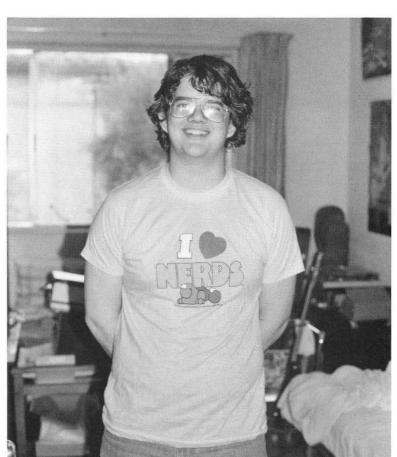




People



Yes, that's what I said: two thousand large pizzas. To



Welcome to Lloyd. May I help you?





The Contractually Obligatory North House Picture



We wouldn't be caught dead with an expression like that in a yearbook photo

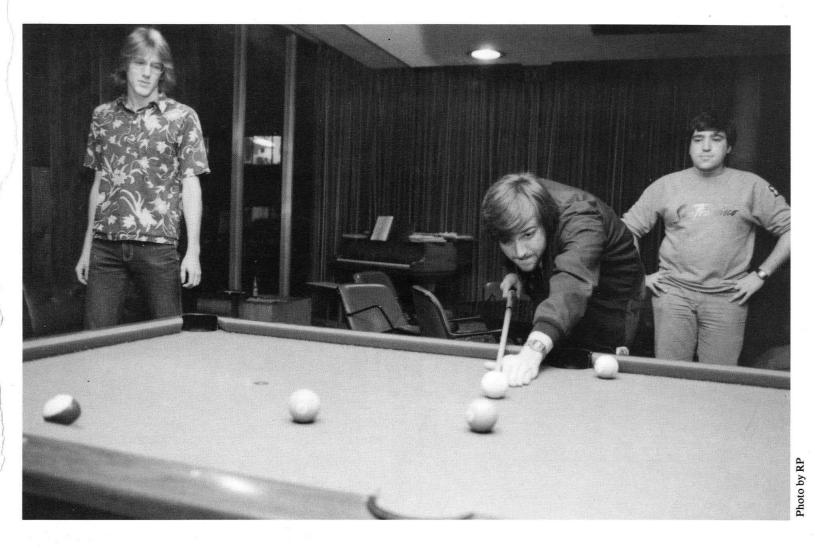


Proctologists' Covention or Some sort of PTA Bakeoff



hoto by C

Page 212 Lloyd House









Welcome to the Dungeons of Doom.

Credits

Lloyd Yearbook Committee

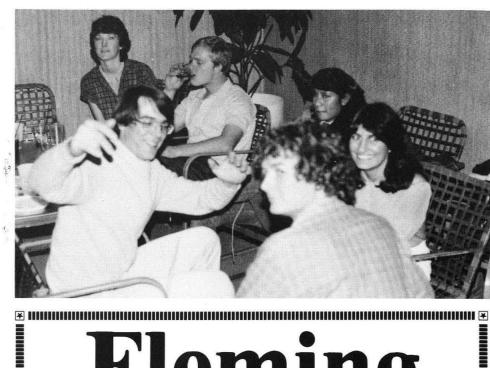
Steve Nixon Mike Takiyama Paul Stankus Min Su Yun

Photographers

Norman Baatz Charles Patwell Yosufi Tyebkhan Min Su Yun Bob Paz

Picking Up the Pieces The Big T staff

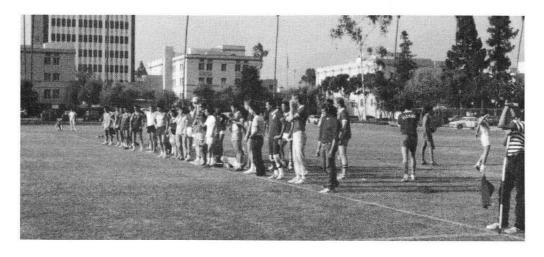






Fleming





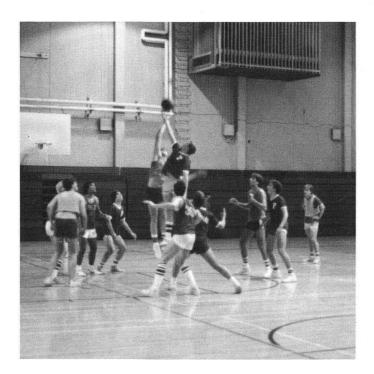


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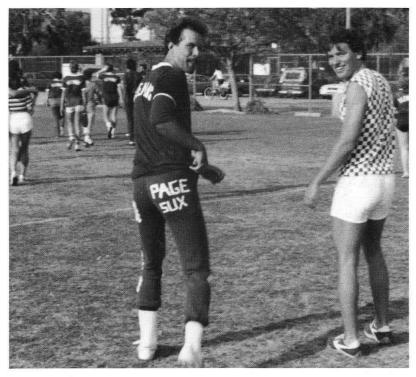
Fleming House



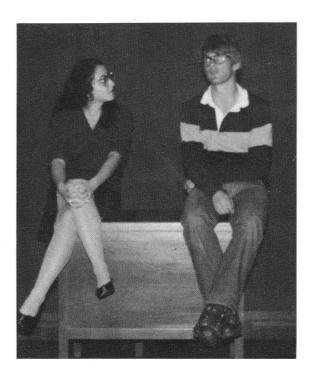
House



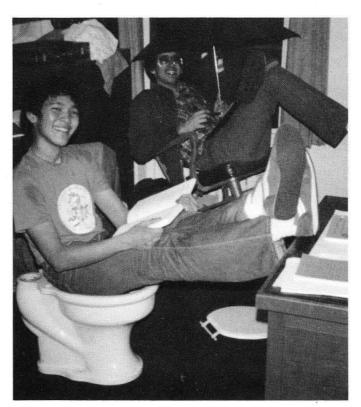








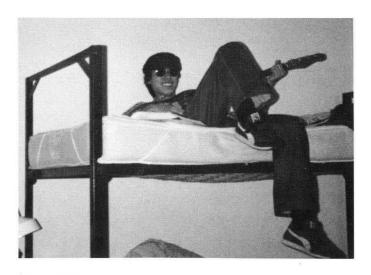




With a blast to rival the stampede of the thundering herd, Fleming House welcomed a wide-spectrum of new frosh. The large frosh class was supplemented by two more frosh: Tom and Morgan Gropnik, the new RA's. It took less than two hours before the frosh were reeling and staggering like real Flems.

The formal dinner was austere as usual, highlighted by Stefan's benediction on the glory of surfing, and O's recital of Q's poem on Darb-monsters. Once the formality was broken, Baumer instilled fear in the hearts of frosh with manical club-swinging, giving them the traditional list of froshly chores.

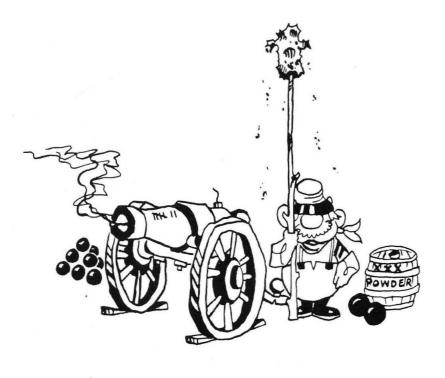
As usual, Fleming House put a lot of work into this year's Interhouse. The courtyard, featuring "The Gun of Navarrone", reached what is hopefully a peak of



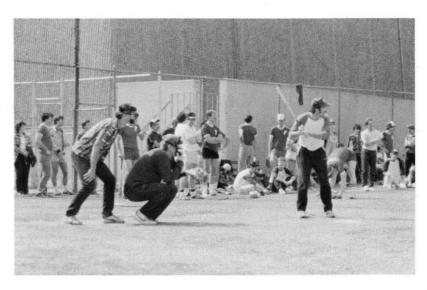


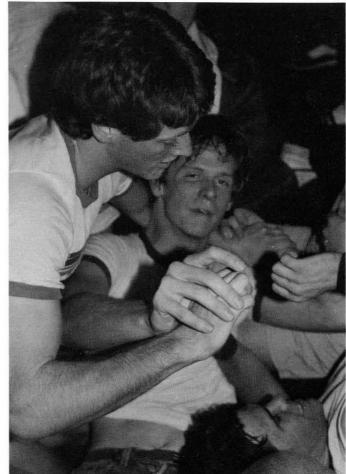
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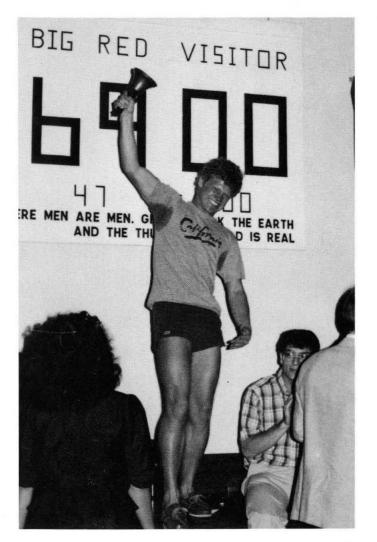
Fleming House



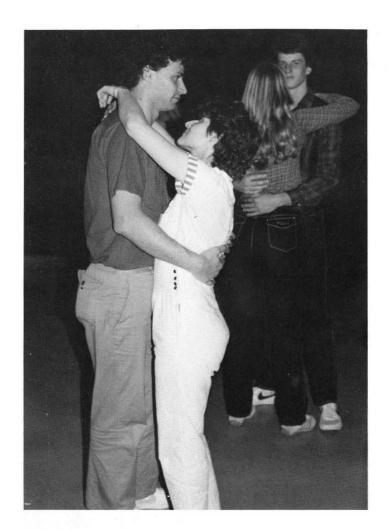




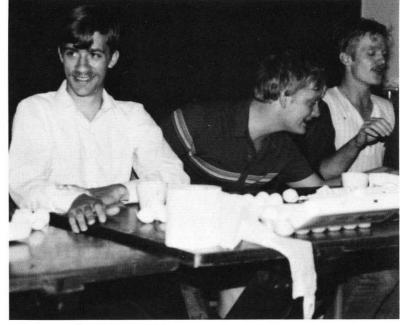




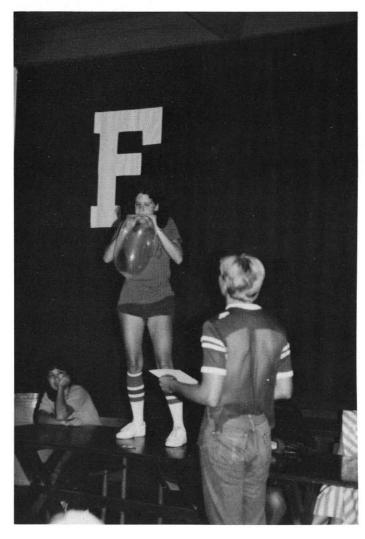
Fleming House











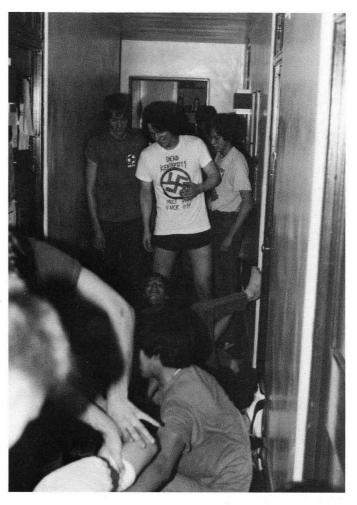
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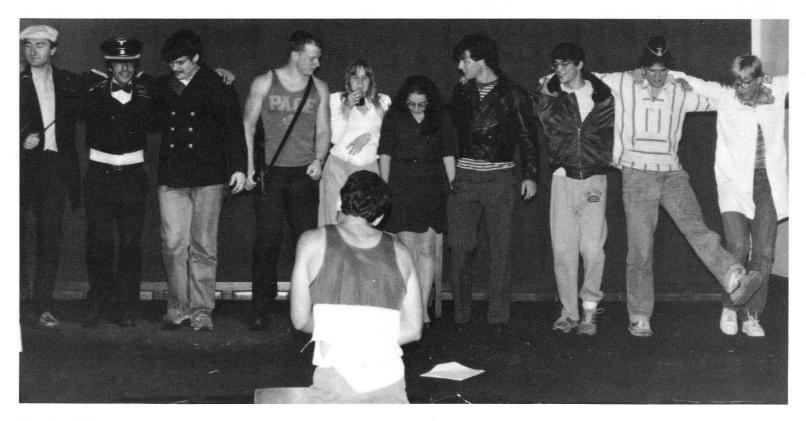
Fleming House



complexity. Grover and Egg led a small, yet diligent technical team trained in such skills as rock-toting and papier-macheing. With Kup's play (Fansome's Heroes) and Beard's lounge, Interhouse was a festive event.

As Flems desires for disgusting rituals rose, Fecathlon arrived in the nick of time to ease perverse tensions. Alley four frosted everyone elses bumb-cakes. The IACCOFH just happened to be UCC4. Soon after Fecathlon, the Dekemonster from Storkville led his crew of mikes to doom versus the awesome power Dickleg's gaggle of gonads in greased waterballoon volleyball.

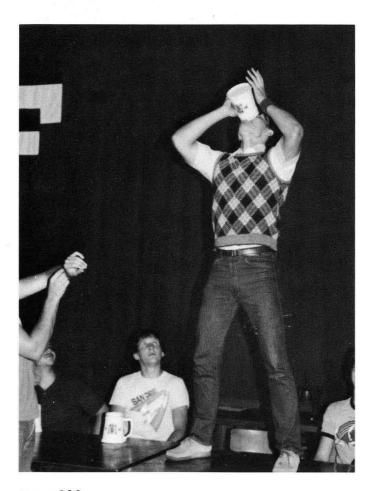




Fleming House







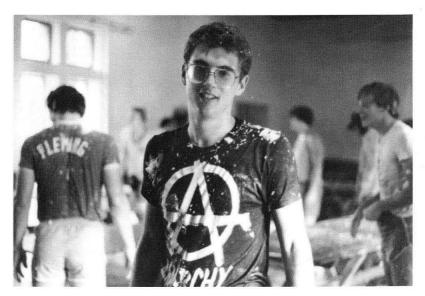


Apathetic cum-blobs were left in their rooms as the Christmas Penthouse party went into full swing. Flems had good reason to party as they won softball, soccer and swimming, the latter two due to the predictable boyishness of page.

Second term was heralded in from upper 6. Frank's wild year of 1984 featured deep, grumbling sound coming from the neighborhood of Alley 6, increasing the number of sanitation engineers for the Fleming napkin dump.

Though suffering from a relatively low turnout, Indoor Olympiad was anything but a sobering event. The seniors began strong, and weathered a 2nd challenge of female jug crews to find themselves losing in the overall standings to the juniors, who were much better prepared to win deviously.

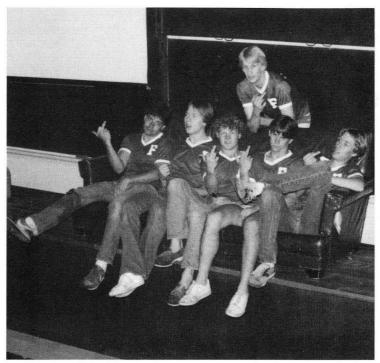
Although the page frosh contingent was sufficiently large to dissolve excess stomach acid, the piddling youngsters proved themselves unworthy of sharing a football with our frosh. And as if that were not

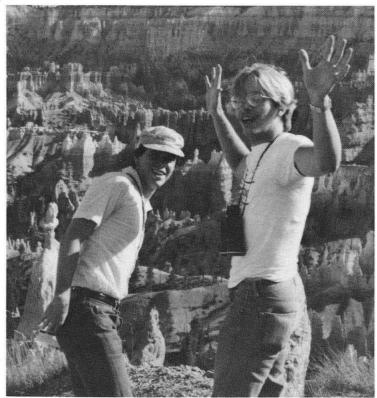


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Fleming House









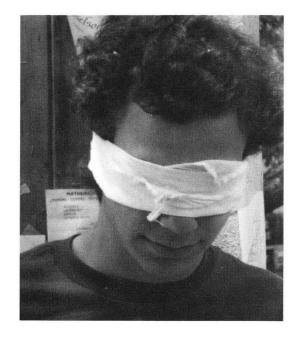




Fleming House

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Frosh (left to right)

Top: Ken Mayville, Andy Tikofsky, Eric Pierce, Paul Piccirillo, Mark Wieczorek, Frank Vasquez, Matt Suess, Mike Rhodehamel, John Eras, Doug Schaefer, Steve Lewis, Sean Trabosh, Steve McAdams.

Middle: Ed Zanelli, Eric Wang, Mike DeFreitas, Bill Gray, Derek Ney, Chris Schofield, Greg Bailey, Matt Avalos, Keith Nishimi, David Heath, Mike Ando.

Bottom: Jo Beth Schlottman, Barbara DeFilippo, Maya Binun.

Missing: Hisaho Sonoda, Emily Rupert, Janita Holbrook, Joel York, Brian Brunn, Randy Brown, Donna Evans, Alan Gee, David Tribble.



humiliating enough, Bill used page's own pool cue to declare its subservience, and helped them erect a Red F to pay homage to the giants across the walk.

Two extremes in dining pleasure found their way to the stomachs of Flems this term: wine and candlelight, a food eating frenzy prepared by Egg and the Social Team, and the dignified Yogurt tasting (etc.) in the 4-5 bistro.

John Sahr passed on the bell to Broccoli, and Davo replaced that cute guy Russ Natter as V.P. The Beard returned as secretary and the office of Treasurer once again went to Glayde Myers. Janice left her post as UCC4 to join Mitch, Frank, Karl and the Wiz as the new social team. Spott, newly elected ath man, resigned to become UCC4. The rest of the new ath team,



Sophmores (left to right)

Back row: Robert Francioso, Mark Ross, Mitch Smith, Scott Chou, Mike Graham, David Ring, Mavit Jenoft-Nilsen.

Middle row: Betsy Arnold, Karl Clauser, Kevin Donovan, Sarah Santoro, Steve Deming.

Front row: Christian Bower, Mark Laffoon, Mike Baumer, Lisa Skrumeda, Skip Todd, Frank Kragh. Missing: Gene Potterger, Scott Rowland, Sean Eddy, Dave Ring, Wilson Yee, Joe Yang, Janice Pata, Chris Koresko, Kris Kim, Marc Schuyler, Pam Fong, Hideki Garren, Ara Kassabian, Dennis Zaritsky, Kenneth Wong.







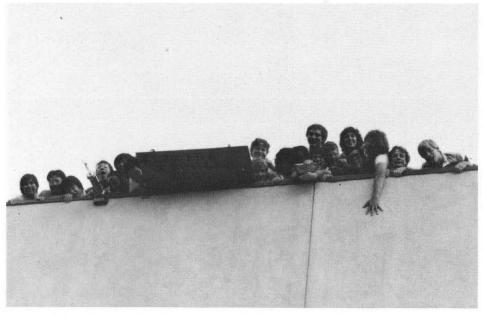
Seniors: (left to right):

Back row: David Hayes, Tom Remmers, Tarik Naheiri, TomKupiszewski, Don Fossgreen.

Middle row: Steve Jones, Joel Villasenor, Stewart Peebles, John Krehbiel, Russ Natter, Mark Eggleston, John Sahr, David Childs.

Front row: Mark Oliver, Mark Abeln, Scott Stephens, Dave Shors, Mignon Belongie, Ned Wingreen, Eric Grannon, Candi McCoy.

Missing: Terence Barr, Theresa Birdseye, Alex Bouzari, Ken Gant, Jeff Cavallaro, David "Grover" Durham, Mike Gorder, Ray Gralak, Don Hendrix, Gary Ibanez, Masahiko Inui, Tim Magee, Harold Ofori, Eric Pan, Cu Phan, Jeanne Weaver.



Juniors: (left to right): Martin Martinez, Chien-Wei Han, Joe Cheng, David Watkins, Rajiv Sahney, Jim Wu, Rex Wang, Bret Clark, Kurt Lemke, Linda Liu, Jonathon Brown, Loaf, Gary Gibbs, Stefan Feuerabendt, Faye Flam, Bill Butler, DK, Steve Pitts, Glayde Myers.

Missing: Mark Beauchamp, Uwe Hollerbach, Spaz Miller, Randy Moore, Chuck Nainan, Margaret

Francioso, Wuss, the Fetus and Schof carried on without him. Acting on the principle that "more is better", the house elected 5 alley 3 frosh as the new batons.

There were many parties and many reasons to celebrate as Fleming took second in track and volleyball.

Third term began in style as Fleming claimed Mammoth Mountain during the Spring Ski Trip. Jones organized the troops, but he, Rex and Scarface limped home with injuries.

Peace has finally been achieved!!

Page and Fleming united in a beautiful display of human caring in the first annual Page-Fleming outdoor Olympiad. On second thought...fuck those guys. One month later was the Fleming Outdoor Olympiad which started with the frosh rose bowl run, and ended with the juniors finishing

Olich, Ketan Shah, Marvin Shannon.





first.

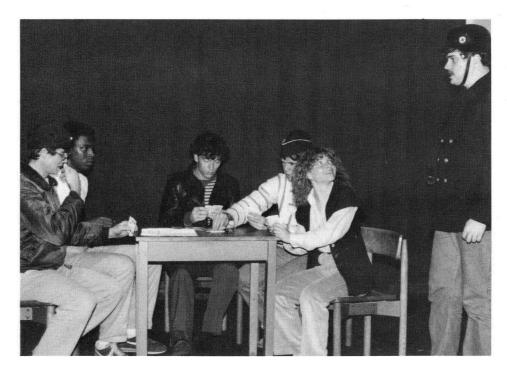
Trashing scurves (the closest thing we could find to darbs and not get fined) on Mayday provided an outlet to violence that was much needed. After the Ath waiters banquet, Frank continued the tradition by puking in Ricketts while a contingent of cigar smokers headed to Spuddock.

Alas, tomorrow came, and the underclassmen realized their lowliness in trying to break stacks. Obstacles in the form of eggs, spuds, eddys and neon atoms were defeated. An orgy of food-eating and alcohol-comsuming followed.

By virtue of taking 1st in B-ball, 2nd in tennis, 2nd in football, and winning discobolus earlier in the term, Flems were assured of an Animal meal, the first in 5 years. Stew-babe and Biff pulled the fans to a high state of ecstasy, while applying sedatives to the Z-monster.

As commencement approaches, we say goodbye to good friends and seniors. All things considered, it was a very good year, and may Fleming wonders never cease.



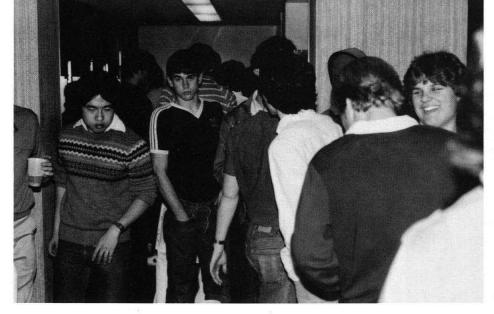




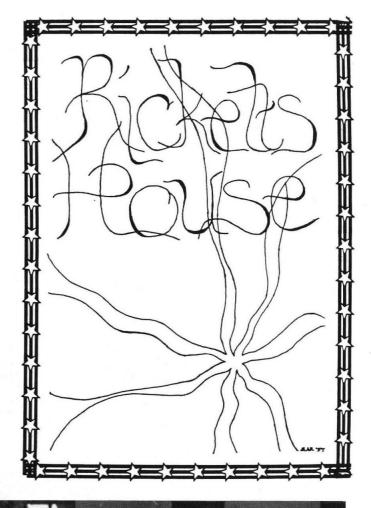








Credits Section Editors Scott Stephens Ed Zanelli Photographers Morgan Gopnik Keith Nishimi Janice Pata









LET'S GET ACQUAINTED



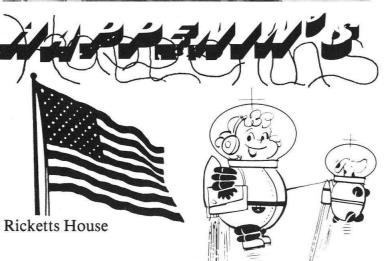
America's House went through some trying times this year, what with the small number of frosh. However what they lacked in number, they made up in enthusiasm. Is that Clea or do you need some cleafication?

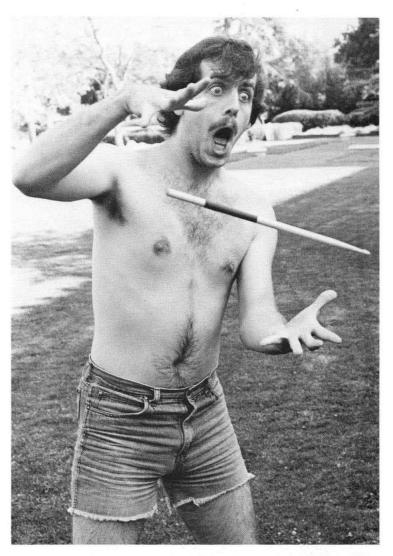
It was not long before the frosh were fully bent to the arcane ways of the House, from the highly-volatile traditions of pot fires and brakedrum ringings to the lesser mundane events like courtyard punts (that's Ed the ex-Tech ed pre-med) and blowing bubbles in the lounge.

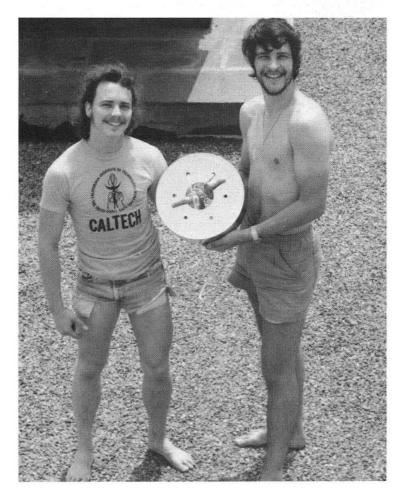
The juggling craze swept the House as many members signed up for the class. By the end of the year, in addition to traditional objects like GPA's and classes, all classes of objects were juggled, including pins, pencils and pink Freon-filled balloons. Biff provided hours of amusement with his antics; here he juggled one drumstick, much to his delight.







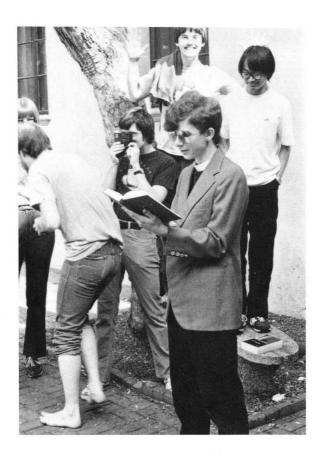


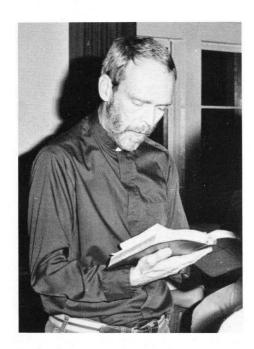


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As Santosh would say, "A bunch of dwebes got married." And by the droves they did. Ami and Janet T.H. "Neiman" exchanged nupitals under the direction of Huston Horn. Stan and Min "Kuo" were wed on

Ditch Day as part of Bruiser Richman's stack.

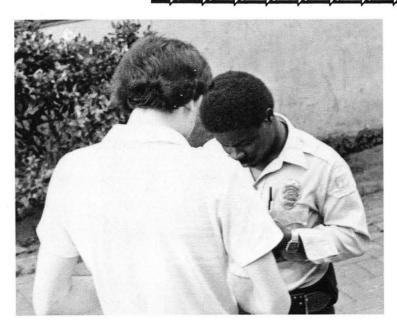
Speaking of Ditch Day, Scurve seniors (especially Janet Tamada proving herself to be a woman afterwards) underwhelmed the underclassmen as all were broken. Dave Schultz was greeted by a roomful of "those little styrofoam balls you find in beanbags." Jonathan Tash enthralled his audience with virtuoso violin as part of once again Bruiser (not Scooter No. 10 s.e.) Richman's stack. Fun was had N. (o.s.e.)) Richman's stack. Fun was had.

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Ricketts House





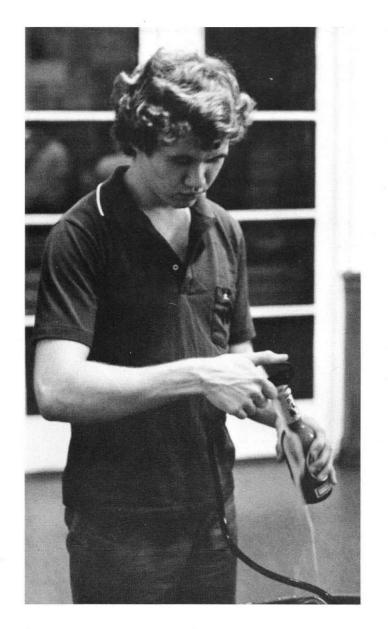


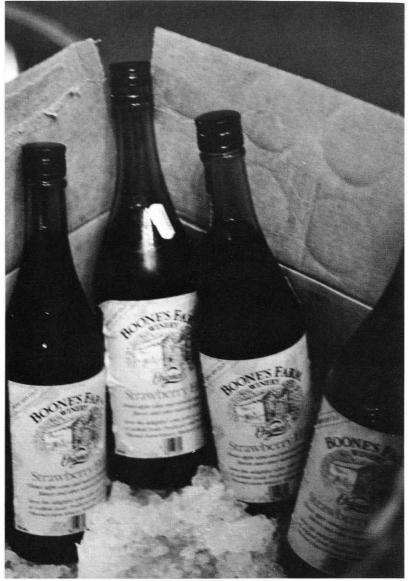


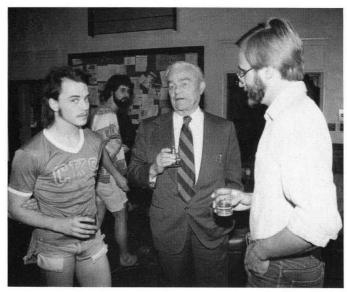


Ricketts House

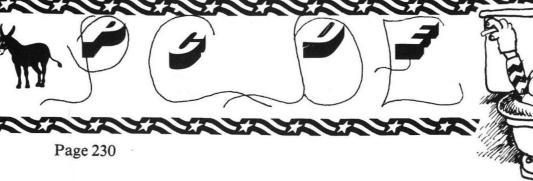
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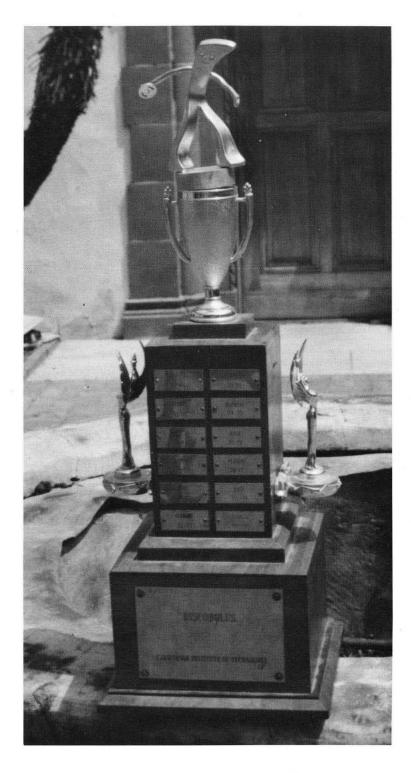


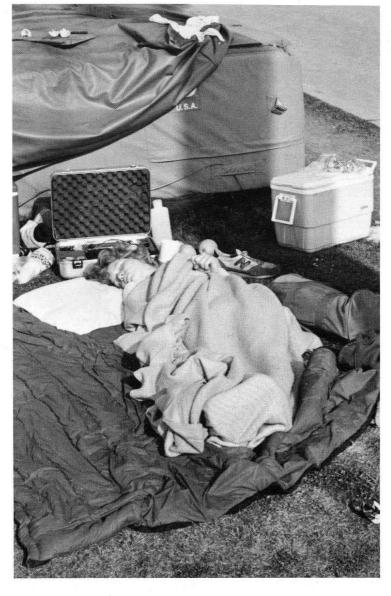




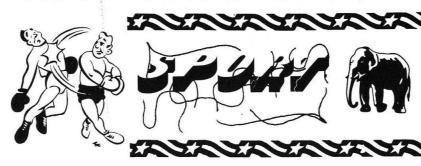








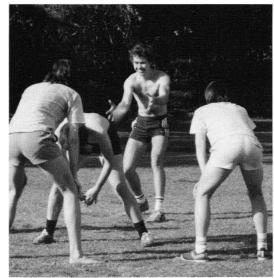




To the surprise of Flems, the G u m b y t r o p h y dropped in on Licketts. However, its stay was short as it was promptly stolen.

The

Flems got mad. Aw.





ANDI

Frosh (front): Jeff Valenti, Matt Rowe, Craig Keller, Dave Nice, Clea Bures, John Lame (back): Bill Craven, Tony/George Bullis, Alex Zorrilla, Jonathan Tash, Rolf Sondergaard (missing): Mark Carlin, Bena Currin, Tim Slagle, Mike Shonle, Jamie Nutting, Doug Cutrell, (Jerry Jungman?)









Sophomores (front): C Johannes Schmidt, Bowman, Mike Crawi John Fourkas, Bill E Peter Alfke, Josh Suss Bob Bolender (back): Peter Kon Workman, Joy Wata Charles Budney, Erik (missing): Katrin Ghandehari, Bruce Tie



Seniors (back): John I Mark Lindsay, Hiram ward Suranyi, Janet T Dave Schultz, Evan M (missing): Janet Saylor





Julyin

Juniors (front): Brian Metscher, Minami Yoda, Charles Barrett, Steve Brown, Brenda Roder, Sylvia Luedeking (!), Mark Buffet, Stan Kuo (back): Lawrence Anthony, Missy Rasmussen, Andre Burgoyne (missing): Bob Mackey, Misha Mahowald, Andy Wolf, Kurt Anderson, John Hartzburg, Oliver Collins





ndy Morss, Art Duval, Charles Flaig, Keith ord, Amiram Neiman, anks, Scott Richman, er, J.R. "Bob" Dobbs,

pka, Tom "Saxy" abe, Greg Gallagher, bert

Rodriguez, Kori nann, Tom Tysinger

WWW

ng, Richard Honrath, Hunt, Les Grate, Edmada, George Karas, nning

Bruce Richman





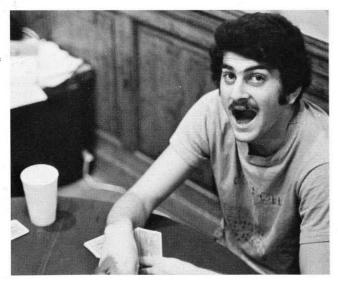




Waiters (back):
Steve Brown, Tom
"Saxy" Workman,
Matt Rowe,
George Karas,
Peter Konopka,
Charles Barrett,
Andre Burgoyne,
Minami Yoda,
Craig Keller,
Brenda Roder
(missing): Clea
Bures, ?

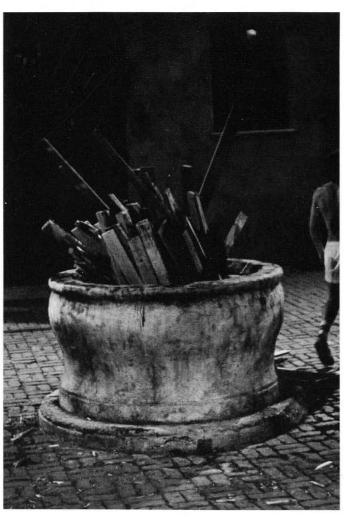


And then the rest of the year happened. Capra happened. The Faculty-Scurve Cocktail party happened (Thanks, Herb for showing up). Crud painting happened (I would tell you the color but it would destroy the suspense). The dwebe hit list publication happened. House meetings furthering house "unity" happened. PC happened. PCD happened. PCDE happened? APh 23 happened. New officers' erections happened. Hoy, bien! Ap-ache (with two bands) happened. TWBF and TWBM's happened—too often. Football games happened—not too often. Shoo-beedo-wa-bop's after lunch and subsequent floatings happened—often enough. George Karcass' having babies happened—not often enough, although only F-tone and Janets survived. Beach trips didn't happened. Dark Side of the Moon at Laserium, Griffith Park happened. RA parties (last year for Tim and Shine SuperRA's who become West Virginia mountain "mommas") happened. The LD/360 bug battles (with the bug ending up in a Stockton junkyard) happened. The Ricketts' Moving Company's RFing of the ''Legends of Caltech'' Watson lecture happened. Bridge and other card games (notably 50 or 51 pickup) happened. Actually beach "trips" did happened. Scooter N. (o.s.e.) Richman having a large frog spit at him almost happened. Stuffed frogs and other slimy stuffed animals being eliminated didn't happened (although the banana got ripped up at dinner). Clea's suitors didn't happened. And a bunch of other things happened. But a lot of other other things didn't happened.





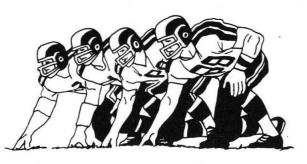




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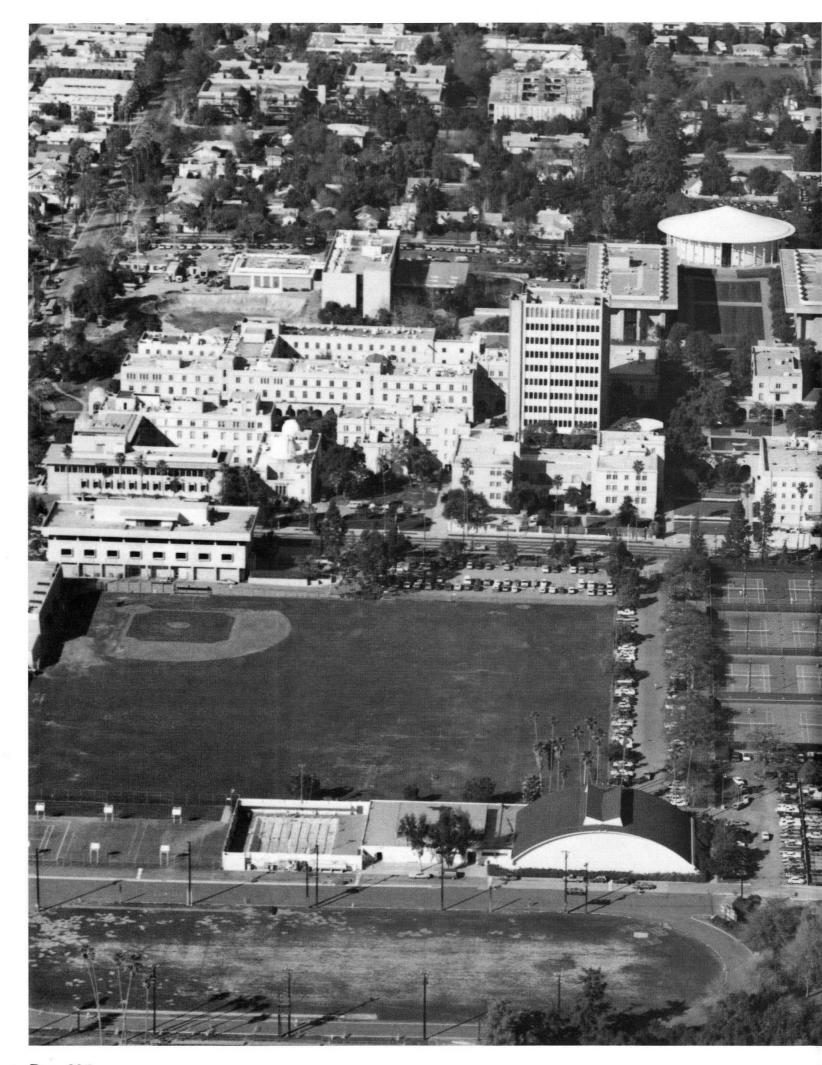
President - Andy Wolf Vice President - André Burgoyne Social Vice President - Bob Mackey Treasurer - Steve Brown Secretary - Bob Bolender Librarians - M. Rasmussen TR Sondergoard Ath Persons - M. Carlin TK. Rodriquez Historian - Jennine Murch Thanks to John Fourkas TIT photographer

L'ALTALTALTALTALTALTA

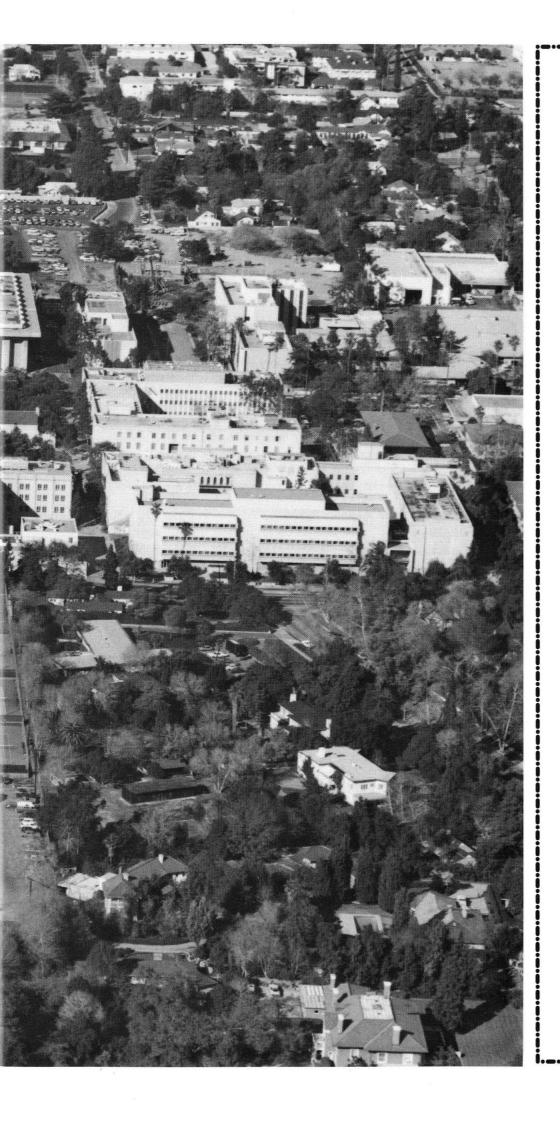








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Ads and Closing

Caltech Service League

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

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

Freshman Parents' Day

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

Student Activities

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

Decompression Evenings

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

Thanksgiving Turkeys

During the Thanksgiving Holiday, a roasted turkey is delivered to each student house. Some financial donation is given toward a dinner in the co-op houses.

Health Center

To make a student's stay more pleasant, the Service League provides items such as juices, soups, robes, pajamas, newspapers and magazines, and occasionally, such things as heating pads. A microwave oven was donated in memory of Doris DuBridge. Members also assist the Health Center staff on occasions such as the flu clinic when volunteer workers are needed.

Christmas Boxes

The League places in each student house a large box of homemade cookies and other treats for the students who remain on campus during the Christmas holiday.

Well Baby Clinic

Children up to age two of students and research fellows may receive checkups and immunization free of charge at this clinic.

Baby Furniture

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

Plant and Bake Sale

To augment its income, the Service League holds Plant and Bake Sales thoughout the year.

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

Caltech Service League
California Institute of Technology
Pasadena, California 91125

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Congratulations to the Class of 1984!

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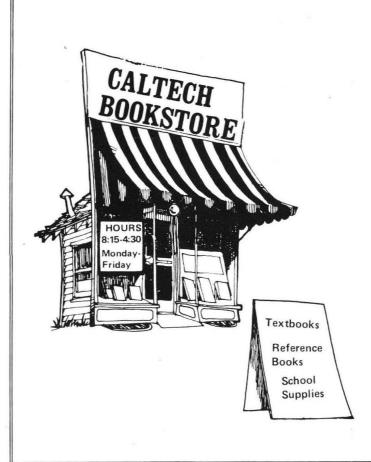
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Congratulations and Best Wishes to the Class of 1984 from the Caltech Alumni Association.



Career Workshop at the Alumni House sponsored by the Gnome Club — Alumni serving and interacting with the students.

Class Reunions— a chance to get together and share memories.

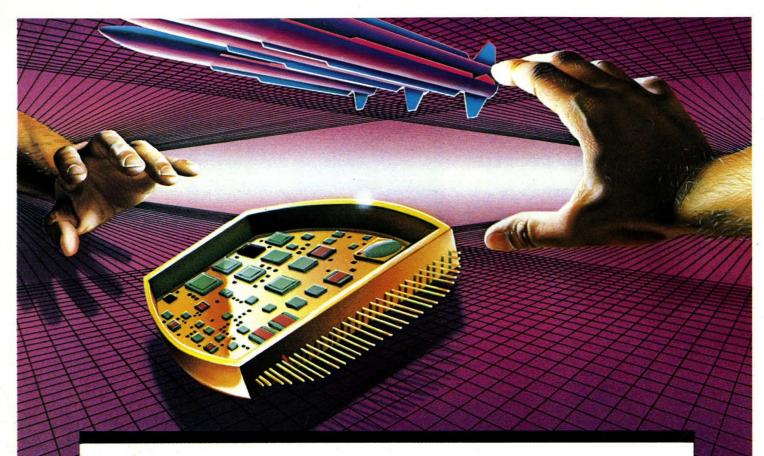




Seminar Day—when Alumni and Faculty meet to learn about new research and current campus activities as well as to remember their days at Caltech.

Congratulations to the Cal Tech Class of '84!

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FOURTION ISN'T WHO'S RIGGE

THE QUESTION ISN'T WHO'S BIGGER. IT'S WHO'S BETTER.



The Wizards of Light (left to right): Mark Olmos, Tracy Furutani, Roger Fong, Behzad Sadeghi.

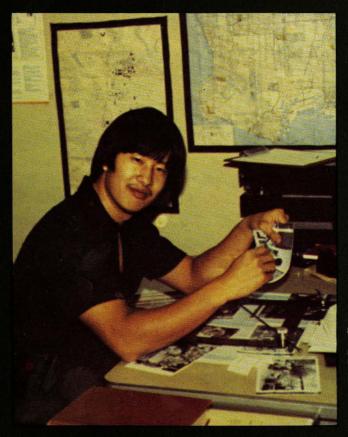


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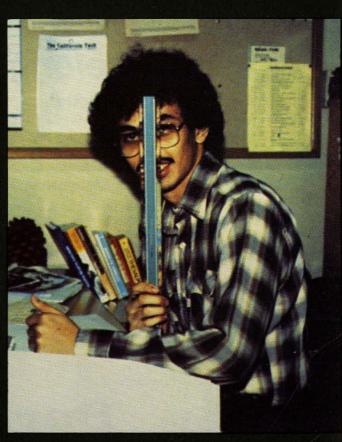
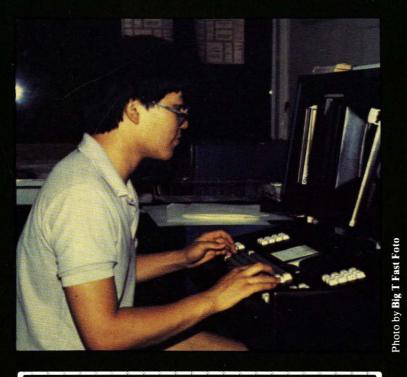


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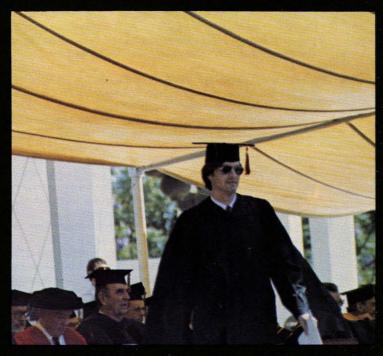




Photo by Big T Fast Foto

Photo by Big T Fast Foto

Rules for The Game

Welcome fellow Techers to the 1984 Big T's special suprise selected especially for you. Here at last we present the long awaited, long anticipated game version of academic life at Tech. Now you may recall the memories of taking those wonderful course and knowing those marvelous professors, etc...while attending Tech. This game may be played with as few as 2 and as many as 800 Techers, from ages 16 to 69.

- 1. Object of The Game The primary object of this game is to successfully escape from Tech by accumulating enough Units to graduate by completing courses around the game board. During a player's stay at Tech he will earn, in addition to Course Units, Brownie Points (♠), Fame Points (♠) and Happiness Points (♥). There are two ways to win The Game:
 - a) Graduate from Tech successfully by completing all institute and option requirements for graduation (see current Information for Students) and accumulate more total points (Fame points + Brownie points + Happiness points) than your opponent(s).

or
b) Accumulate 100 Happiness points.

- 2. Equipment consists of— one game board (provided in the 1984 Big T); a pair of dice (not provided); notebook paper, compuscratch, the back of old physics problem sets, or anything else you care to write on (provided—if you like to write in yearbooks); pen, pencil, fingernail dipped in blood, or any other writing utensil (we do not provide sharp pointed objects); playing pieces (specifications provided—players shall obtain pincushions and three (or more) pins); and money (play, counterfeit or real—not provided).
- 3. Option paths On the playing board there are eight different option paths and several core courses in which Course Units, Fame points, Brownie points, and Happiness points may be earned. A player may enter as many options as he wishes, in any order, but he must keep the mandatory graduation requirements for each option in mind.
- 4. Scoring Fame points are represented by ♠'s; Brownie points are represented by ♠'s; and Happiness points are represented by ♥'s. Each time a player earns these points he should record the number on a piece of paper and keep a running total. At the conclusion of The Game, each player should add all three types of points to yield his Total Point Score. The player with the highest Total Point Score is the Winner of The Game. Note that 100 Happiness points (♥) automatically wins The Game.
- 5. Preparation Each player should have: 1) something to record his Brownie, Fame, Happiness and Total points and also his Course Units to Date total; and 2) a suitable pin cushion (plus pins) to represent his movement on the board. Players begin each year by being distributed an uncertain amount of money and Happiness points (see instruction 6). One player should be chosen to be Student Accountant to distribute all money (however he must be careful to keep his personal funds separate from the total funds or else he may be BOCed). Throw dice to determine which player is first to move. Play in turn in a clockwise order around the board, starting with the player throwing the lowest number.
- 6. The Play— Each player throws one die before he moves initially. This number will determine the Luck that that player begins The Game with (see Game Setup Outcome Chart). Players move in a clockwise direction around the outside track of the board according to the roll of one die. A player may move from one space to the maximum number of points on the die. For example, if a 5 is rolled, then the player may move 1,2,3,4 or 5 squares. After a player moves he must do as the square directs him (i.e. take a course, troll in Millikan, etc...). Note that each player loses one Happiness point (*) for every roll of the die unless otherwise directed.

For course squares, a player may roll the die for each term he wishes to take the course. A player may not retake a course he has already received credit for and may not take a course he lands on if he does not wish to. Players may attempt a maximum of 174 units per year.

Movement from the **Payday** square begins with payment of the Expenses Fee of \$9,000.00. Players then move a "pinless" pincushion to represent their frosh status. A player may not enter an option path during his frosh year. A player must stop at the **End of the Year Evaluation** square. He must tally his **Accumulated Units** at this time and determine whether he wishes to continue to play. (If he is really smart he will transfer out as soon as possible and discontinue playing **The Game**.) At this point the player rolls one die and moves the exact number of squares indicated by the die. The player then begins again on the **Payday** square and pays the new Expenses fee. The Expenses fee increases by \$500 each succeeding time a player starts from **Payday** (i.e. the second year costs \$9500, etc.). Use Game Setup Chart for each new year and roll one die (the monetary award on the chart drops \$2000 each year also). Once a player begins his second trip around the board, he shall place a pin in the pincushion to represent his soph status. Likewise, two pins shall represent junior status and three pins shall represent senior status. After four trips around the board a player may stick any number of pins (greater than three) in the pincushion to take out his frustration.

- 7. Entering Option Paths After a player's first trip around the board he may enter an option path. A player may move horizontally, vertically, or both along the paths (i.e. he may move only left and down). He must move onto only those courses designated in Information for Students for his particular student status (Soph., Jr. Sr.). A player may choose to change his option at any time, but he must fulfill the mandatory option requirements for graduation. Note that a player may be forced to change his option by UASH.
- 8. Cutting Throats— When a player lands on any square already occupied by another player, he may elect to "cut throats." The challenging player rolls one die and the defending player rolls another. The player with the high roll successfully "cuts throat," thereby gaining 1 Brownie point (*). The losing player must subtract 1 from his next die roll for Course Credit.
- 9. Bankruptcy If a player should have an insufficient amount of cash to pay any bill, he must take out an emergency loan for the balance due. The loan shall be repaid at the conclusion of **The Game** at 15% interest. The player also loses 5 Happiness points (♥).
- 10. Taking a leave of absence A player may be directed to take a leave of absence by the powers that be. The player places his pincushion on the On Leave square. During his next turn, and for each succeeding turn that he remains on the square, the player rolls two dice. If he rolls 2,3, or 12 then he is allowed to continue a new year and begins on the Payday square. If he rolls anything else he remains On Leave. A player collects 3 Happiness Points (♥) and loses 2 Brownie Point (♠) for every turn he remains On Leave.

utcome Charts

Game Setup

Die	Outcome						
1	Hard luck. Start with \$3000, 15 Happiness points (♥) and						
	subtract one from every future die roll.						
2	Not very lucky. Start with \$5000, 20 Happiness points (♥).						
3 & 4	Neutral, Start with \$7000, 20 Happiness points (♥).						

Lucky. Start with \$9000, 25 Happiness points (♥).

Scumbag. Start with \$11000, 30 Happiness points (♥) and add one to all future die rolls.

Financial Aid

If you have insufficient funds to begin the year, then you must get financial aid. Once financial aid is received, move back to Payday and pay all outstanding fees. Pay all loans upon completion of study at 5% interest.

Die

Dia

Outcome

- Take out a huge loan, work 20 hours per week and subtract 1 0.1 from all future die rolls.
- Take out a large loan (70% of balance due) and receive small 2.3 institute grant.
- Receive 1/2 loan and 1/2 grant.
- Receive full grant. 6.7

Freshman Lecture Courses

For all freshman level courses, a roll of 2 or greater on 1 die will earn a pass. However, if the same number is rolled twice consecutively by the same player for the same class, then a conditional shall be recorded and the player loses 2 turns and 2 Happiness points (*).

Unexpected Bills							
Die	Outcome						
0,1	Y loan charge comes due— pay \$35.						
2	Pasadena Police leaves greeting on your car windshield— pay \$20.						
3	Term bill shows unexpected photocopy charge-pay \$50.						
4	Food bills accumulate— pay \$75.						
5	Texts cost more than anticipated— pay \$100.						
4 5 6,7	Your registration check bounced—pay \$150 in late fees. Get Elected/Appointed						
Die	Outcome						
0,1,2	Run for ASCIT BOD office, but lose— lose 24.						
3	Become ASCIT President— gain 5♠, 5♠, lose 3♥.						
4	Become ASCIT VP, Treas. or Sec gain nothing, lose 2♥.						
5	Become IHC Chairman—gain 3 ♀, lose 3♥ and some friends.						
6	Become Tech Editor— gain 2☆, lose 3♥ and many friends.						
7	Become Big T Editor- gain nothing, lose lots of time.						

Die Outcome

- Go to Health Center 0,1
- Become involved with a boyfriend/girlfriend from Tech- gain 2
- Become involved with a boyfriend/girlfriend not from Tech-go to UASH.
- Park in a professor's parking space— lose 3 ♠
- Park in Murph's parking space- go to UASH. 5
- Lose your patience- take a Leave of Absence
- Find lost treasure of the Steam Tunnels, gain \$1000.

Ch 3

All rolls greater than 2 pass, except on a player's third consecutive roll of 6. In this case he accidentally destroys the lab and makes Jane Raymond very unhappy (i.e.-fail).

Frosh Labs

Same as lecture courses except spend 50% more time than lab is united for and lose twice the number of ♥'s.

Die	Outcome
0,1	BOC is aware of your illegal activities. They watch you closely
	for awhile but eventually disappear.
2	The BOC wakes you up at 3 A.M. and interrogates you, only to
	discover that they have the wrong person.
3	The BOC is notified by a prof of your cheating on a test. He
	flushes you and the BOC reprimands you sternly.
4	The BOC finds hard evidence against you, but administrative
	heads make them powerless against you.
5	You embezzle money from ASCIT funds. The BOC demands
	you pay all money back. Right.
6,7	Your RF wasn't appreciated. The BOC and IHC decide to kick

you off campus, even though you already live off campus.

	Frosh Humanities					
Die 0,1	Outcome					
	Write 4000 words that make no sense. Fail.					
2,3	Write 4000 words that make little sense. Pass (barely).					
3,4	Write 4000 words that make some sense. Pass.					
5	Write 4000 words that make sense. Pass.					

Closing



Troll in Millikan							
Die	Outcome						
0	Humanities paper due. Lose 10 hours and 1♥.						
1	Physics exam due. Lose 3 hours and 1♥.						
2	Spend time reading recommended reserve texts. Gain 1 ♠.						
3	Fall asleep in Millikan. Gain 1♥.						
4	Take a break to read a few magazines. Lose 5 hours and 1♥.						
5	Security locks you for the evening. Lose 1 ♠.						
6,7	Actually find a helpful book. Gain 24.						
ъ.	PE						
Die	Outcome						
0	Forget to drop. Fail.						
	Random PE. Pass.						
	Participate in team sports. Gain 1 ♠, Lose 1 ♥ and many games.						
7	Participate in sports and Warren is friendly to you. Lose						
	nothing, gain nothing.						
	Eli-1						
D:-	Flick						
Die	Outcome						
4000	Outcome						
0,1	Outcome Spend hours watching T.V. Lose 2 on next 5 die rolls for course credit. Go to movies. Gain 1 \(\Phi \), lose 1 on next die roll for course credit						
0,1 2 3	Outcome Spend hours watching T.V. Lose 2 on next 5 die rolls for course credit. Go to movies. Gain 1 \(\Phi \), lose 1 on next die roll for course credit. Go to Tommy's. Lose a few hours, gain indigestion.						
0,1 2 3	Outcome Spend hours watching T.V. Lose 2 on next 5 die rolls for course credit. Go to movies. Gain 1 \(\Phi \), lose 1 on next die roll for course credit. Go to Tommy's. Lose a few hours, gain indigestion.						
0,1 2 3 4	Outcome Spend hours watching T.V. Lose 2 on next 5 die rolls for course credit. Go to movies. Gain 1 ♠, lose 1 on next die roll for course credit Go to Tommy's. Lose a few hours, gain indigestion. Skip morning classes. Gain sleep and 1 ♥, lose 1 on next two die rolls for course credit.						
0,1 2 3 4	Outcome Spend hours watching T.V. Lose 2 on next 5 die rolls for course credit. Go to movies. Gain 1 ♠, lose 1 on next die roll for course credit Go to Tommy's. Lose a few hours, gain indigestion. Skip morning classes. Gain sleep and 1 ♥, lose 1 on next two die rolls for course credit.						
0,1 2 3 4	Outcome Spend hours watching T.V. Lose 2 on next 5 die rolls for course credit. Go to movies. Gain 1 ♀, lose 1 on next die roll for course credit Go to Tommy's. Lose a few hours, gain indigestion. Skip morning classes. Gain sleep and 1 ♡, lose 1 on next two die rolls for course credit. Go to UCLA party, lose 3 ♠ if you mention that you're from						
0,1 2 3 4	Outcome Spend hours watching T.V. Lose 2 on next 5 die rolls for course credit. Go to movies. Gain 1 ♀, lose 1 on next die roll for course credit Go to Tommy's. Lose a few hours, gain indigestion. Skip morning classes. Gain sleep and 1♥, lose 1 on next two die rolls for course credit. Go to UCLA party, lose 3♠ if you mention that you're from Tech. Go to Laker game and see them beat the Celtics. Gain 3♥.						
0,1 2 3 4 5 6,7	Outcome Spend hours watching T.V. Lose 2 on next 5 die rolls for course credit. Go to movies. Gain 1♀, lose 1 on next die roll for course credit Go to Tommy's. Lose a few hours, gain indigestion. Skip morning classes. Gain sleep and 1♡, lose 1 on next two die rolls for course credit. Go to UCLA party, lose 3♠ if you mention that you're from Tech.						
Die 0,1 2 3 4 5 6,7 Die 0,1	Outcome Spend hours watching T.V. Lose 2 on next 5 die rolls for course credit. Go to movies. Gain 1 ♀, lose 1 on next die roll for course credit. Go to Tommy's. Lose a few hours, gain indigestion. Skip morning classes. Gain sleep and 1 ♡, lose 1 on next two die rolls for course credit. Go to UCLA party, lose 3 ♠ if you mention that you're from Tech. Go to Laker game and see them beat the Celtics. Gain 3 ♡. Computing Center Outcome						
0,1 2 3 4 5 6,7 Die	Outcome Spend hours watching T.V. Lose 2 on next 5 die rolls for course credit. Go to movies. Gain 1 ♀, lose 1 on next die roll for course credit Go to Tommy's. Lose a few hours, gain indigestion. Skip morning classes. Gain sleep and 1 ♡, lose 1 on next two die rolls for course credit. Go to UCLA party, lose 3 ♠ if you mention that you're from Tech. Go to Laker game and see them beat the Celtics. Gain 3 ♡. Computing Center						

- Learn DG system. Gain 24.

Outcome

Die

Die

Die

2

- 5 Computer knowledge helps save time in your problem sets. Gain 24
- Live in Jorganson. Save \$3000 in housing costs. 6.7

See the Dean

- The Dean forces you to transfer. Leave game. 0,1 2 The Dean forces you to take a leave of absence.
- 3 Discuss your academic record. Lose 2♥
- 4 Discuss the poor teaching quality at Tech. Lose 3 .
- 5 Discuss the need for better administrators at Tech. Lose 5.
- 6,7 Just passing through. Say Hello. UASH

Outcome

- UASH flushes you. Goodbye. 0,1
- Pressure forces you to subtract 1 from all future die rolls for course credit.
- You are placed on probation. If you fail any courses in your next 3.4 turn around the board you must take an immediate Leave of
- You are forced to change options. Subtract 1 from the next 5 die rolls in new option.
- 6.7 Receive a stern warning to improve your grades.

Health Center

Die Outcome 0 Develop mysterious disease, Health Center doctors tell you it's all in your head. They're right-its a brain tumor, Leave Game.

- Develop mono. Take a Leave of Absence. 1.2
- Sprain your ankle. Lose 2♥. 3,4
- Break your leg. Gain luck, but subtract 1 from next 10 die rolls. 5
- 6 Take a few aspirin, you're O.K.
- Volunteer to work in Health Center. Gain 34.

AMA 95

- Cohen BOCs and fails you— lose 3♥ 0
 - List will not let you drop. Fail— lose 3♥. Keller teaches. Drop course- lose 3♥.
- D— lose 5♥

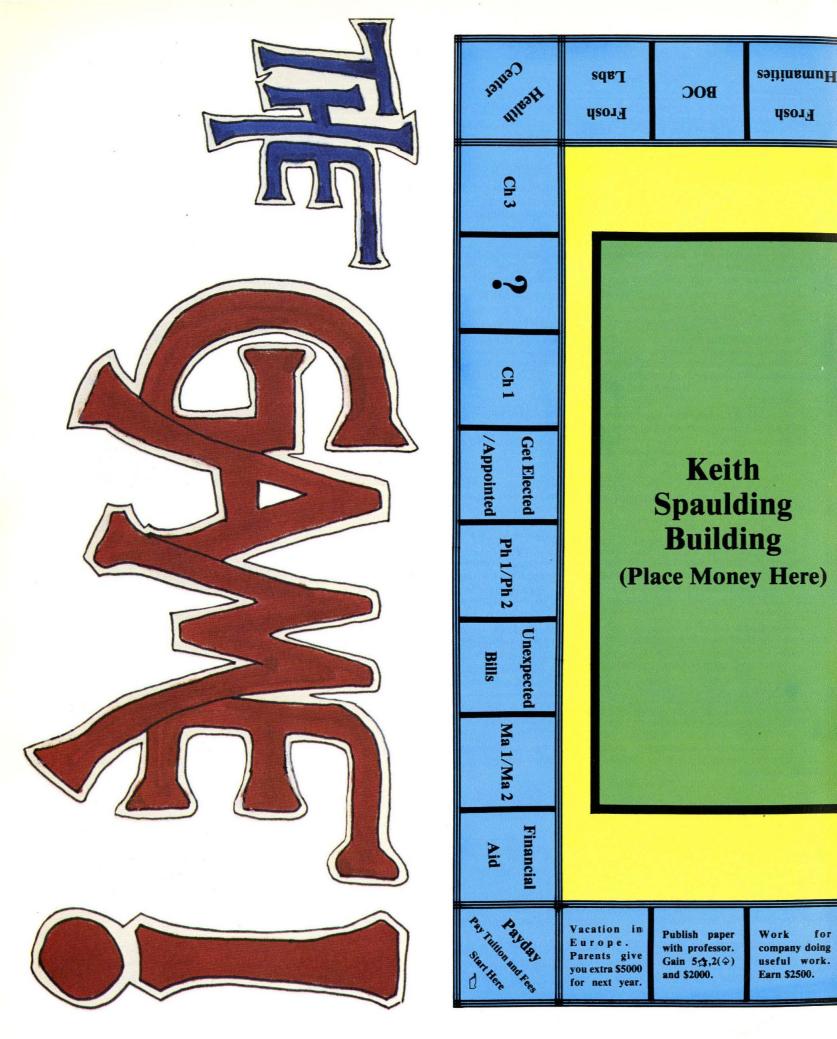
Outcome

- C- lose 3♥ and many hours of sleep.
- B- lose 2♥ and a few hours of sleep. 5
- A- gain 1合, 2수
- A good friend of Cohen's—gain 1♥, 2★ and 5♠.

Courses

Die Outcome 0

- Go to BOC, lose 3♥.
- Fail— lose 2♥
- Drop course, lose lots of time, 1♥.
- D— lose 1♥
- C- lose nothing, gain nothing.
- B- lose nothing, gain nothing.
- A- ♠, 1☆.
- Fuckin' scumbag- gain 1♥, 2☆ and 3�.



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Note: Roll one die to represent each term of a course you "enroll" in and use the course outcome chart for your results. Remember that you can only "enroll" in a course that has been designated for your class standing (Fr, So, Jr, Sr) by Information for Students and you may not attempt more than 174 units per year. You are allowed to change course titles on the board, if appropriate.

Troll in Millikan		ЬE		Flick		Computing Center		твэС эф		Stop St. Leave.
	Random	Random	Random	Foreign Languages	McGann	Morgan	La Belle	Plott /Oliver	Munger./Lee	Hist/Ec/LIT 516 units (Bonus 8 % upon graduation)
	Random Bi	Bi 156	Bi 150	Bi 130	Bi 125	Bi 122	Bi 114	Bi/Ch 110	Bi 1,4,7	Bi .
	Random Ge	Ge 126/124	Ge 101	Ge 121	Ge 123	GE 115	GE 105	Ge 104	Ge 1,24,5	Ge 516 units
×	Random APh	Random Ay	Ph 92	Ph 125	APh 50	Ay 20/21	Ph 106	Random Ph	APh 17	APh/Ph/Ay 516 units
	Go To AMa 95	AMa 101	Random Ma	AMa 105	Ma 118	AMa 98	Ma 108	Random	Ma 5	Ma/AMa 483 units
	Go To AMa 95	BEM 100	CS 114	Random AM	Random MS	Random	Random CS	Random CE	Random Ae	E & AS 516 units
	Random Ch	Random ChE	ChE 110	Ch 125	ChE 103	Ch 21	ChE 63	Ch 41	Ch 5,14	Ch/ChE 516 units
	Go To AMa 95	EE 163	CS/EE 121	EE 160	EE 151	EE 91	EE 114	EE 90	EE 14	EE 516 units
Work for company doing irrelevant work. Earn \$1500.		Menial work/outside world. Earn \$2000. Lose 2♥.		UASH (ignore if not ordered here).		STOP! End of Year Evaluation				









This game is meant to be used for recreational activity. Any similarity to any actual persons, events, schools, or games without satiric intent is clearly coincidental.

Thanks to EHS for her inspiration and her splendid rendition of Desolation Row- particularly the last verse.

^{*} See Information For Students for particular courses taught.

The Rotation Question

In previous years, important documents pertaining to student life at Caltech have been lost, because they had not been permantently recorded. The purpose of these pages is to preserve a few documents which capture some of the spirit of this year's controversy and debate about the House System.

The following is an abridged version of Behzad Sadeghi's An Open Letter To The Freshmen. Some 700 copies of the letter were distributed in leaflet form on campus between Monday Sept. 26 and Friday Sept. 30, 1983. The present version has been edited by the author.

An Open Letter To The Freshmen

Over the years, many grave and deep-rooted social problems have evolved to plague Caltech's undergraduate community. Unfortunately, no attempt has been made in the past to undertake serious and honest analysis of these problems with the incoming students. Quite to the contrary, past Freshman classes have been presented with an attractive idea of Caltech as a noble and infallible society. Yearning to become part of that society, they have embraced the system of undergraduate life that they've found here... This is particularly unfortunate in that it is actually the Freshmen who, with their positiveness, energy, originality, and independence, hold the key to the vitalization of this environment.

In hopes of starting the process of honest discussion and self-examination necessary for the healthy growth of this community, we present to you a set of observations and thoughts concerning the social aspects of life in the student houses.

Caltech's undergraduate body is made up of some 800 brilliant young people. Relieved of many social restrictions through the honor system, they are endowed with great freedom in their interactions with one another... It is therefore very discomforting to detect traits in this community that are not only contrary to the ideals of the Caltech image, but also negative to any basic human society...

...Through the year and particularly during the first term, the general attitude in the houses toward the Freshmen is humiliatory. In most houses, the Freshmen are put down, poked fun at, or treated disrespectfully by some resident upperclassmen with the implicit consent of the house. Under such social pressures, these Freshmen come to take part in activities designed to "transfer the spirit of the house" to them. None were told of these "house traditions" before they were picked into the house...

...Many upperclassmen unthinkingly follow any ritual branded as a "house tradition." As part of one tradition, the upperclassmen in one house take away the proper eating utensils from the Freshmen during a particular evening and make them eat their dinner with a single surgical glove... In yet another house, Quantity and Endurance Doping is the name of a well-publicized annual party (with formal invitations sent out) that provides for a lot of "good smokes at reasonable prices."...

...Sexism, from its most obvious forms to its subtle hints, reigns in the student houses. A staggering number of students are engulfed in feelings of social apathy, bitterness, frustration, and hopelessness...

It is true that some of the negative instances mentioned above are taken out of context. That is, looking at their surrounding situations, one might say that they are really not as bad as they sound... In fact, many of these are house events that both Freshmen and upperclassmen participate in, with nothing except social pressures urging them to do so. But the point is that a great number of these practices do take on some degrading dimension.

...How can an institution achieve so much excellence in sciences and at the same time nurture such anti-intellectual attitudes in its student dormitories?

As unintuitive as it is, the answer is terrifyingly simple. Caltech upperclassmen treat the Freshmen as they do, because that's how they themselves were treated as Freshmen; that's how they saw every other Freshmen class treated; and that's how they think Caltech students should treat the Freshmen... It turns out that much of what goes on in the student houses is what the students have picked up from previous classes. The majority of our social institutions, practices, and atitudes have been passed down to us from earlier classes...

This does not mean that there is not social originality in the houses or that the houses remain the same over the years. The character of the house changes each year as the Freshmen contribute to its development. But much of this contribution takes place within the bounds of many fundamental traditions. What is not strictly a tradition, orginates nonetheless from a way of thinking dominated by traditions...

...Therefore, what is senseless or foolish takes place, not because it is senseless or foolish, but because it is a tradition presented in a palatable context

To understand how artificial our values can become as a result, we proceed to examine ... Rotation...

Here is the side of the story about Rotation that is common knowledge to upperclassmen, but that by IHC regulations "no house or person may communicate to any new student..."...

At Rotation, after each evening's reception, the upperclassmen in every house hold a House Meeting. Here, the names of the Freshmen are brought up in order. Each time, those who have had an opportunity to speak to the Freshman under discussion get up to offer their evaluation of him or her... Once the opinions have been expressed, the house proceeds to assign a rating to the Freshmen. In Ricketts, the students are rated on a scale from 0 to 10, with what are called "hormone points" given to some females. In Blacker, people are rated from 1 to 5, with a special category of "Rat Shit." In Fleming, women are rated from 20 to 40, men from 40 to 70, with up to 20 "jock points" given to the more athletic men. In Dabney, the students are rated from 1 to 6, with 0 reserved as the ultimate bad rating. In Ruddock they are rated as Excellent, Good, Fair, Poor, or Rat Shit. In Page and Lloyd they are rated on a scale from 0 to 10...

The actual picking is done in a meeting of the representatives of the houses on the Sunday following the Rotation week. This meeting is called the "Grand Frosh Lottery." ... The picking is done in consecutive rounds. In each round, each house proceeds in the pre-determined order to pick one student. The process is then repeated until all new students have been picked into one of the Seven Student Houses.

That is how Rotation works.

There are very few students who enthusiastically support Rotation. Most people are bothered by the whole concept. Many are just purely shocked. Still, it takes place year after year. This is the pattern that repeats itself again and again in the undergraduate houses. Students sit through house events and traditions disgusted with what goes on. But no one gets up to criticize the situation. No one publicly challenges the legitimacy of our practices.

What gives the situation an almost tragic overtone is not the fact that this system allows for such abuses, but the fact that it takes many of the same Freshmen who are shocked by the abuse and turns them into upperclassmen who continue its traditions. The tragedy is that this system has been able to convince one class of intelligent, enthusiastic

students after another that the best they could do at Caltech in the way of social development was to conform with the set of superficial traditions presented to them...

As they go through Freshman Camp and Rotation, the Freshmen are exposed to the many peculiarities of the Houses. Life at the student houses is filled with numerous little traditions, concepts particular to each house, some sort of house spirit or character, house jargons, and other idiosyncrasies... It is therefore not difficult to imagine that the "rotating" Freshmen are exposed to quite a lot of new, fun, interesting, amusing, unexpected, strange, or just plain wierd bits and pieces of behavior and information. The idea that soon comes across to the Freshmen is that the upperclassmen live in a very special kind of system, resting on a solid interhouse political structure, with minimal interference from the faculty or the administration...

Here then is the crucial point. Faced with an unexpected system of undergraduate life on the one hand, and their own longing, respect, excitement and awe for Caltech on the other, the Freshmen in the past have invariably come to associate this system with the dynamic, positive image they possess of Caltech. That is, they look in this system to find the traits they've expected from Caltech and equate these traits with its characteristics. Thus, if what they see in the student houses seems strange to them. that's due to the uniqueness of Caltech; what looks different, is a product of the style; and if something is surprising, it is so because of the ingenuity of the "Techers." Without knowing how or why the upperclassmen have come to behave the way they do, the Freshmen find themselves admiring their traditions and social institutions. Here, then, if anyone is different from the expected, it is not the upperclasmen, but the Freshmen. To the Freshmen now, the upperclassman is not a fellow student striving in the same path, but a role model of the Caltech Student.

In their search for attaining the noble qualities represented by the image of Caltech, the Freshmen thus come to adopt the superficial features presented to them by the upperclassmen...

It is now easier to see how our negative attitudes have been created. Once the original glamour and excitement of living in the Houses is gone; once life turns into a back and forth routine between an exhausting academic workload and an unenlightened house environment; once the many negative traditions lose their appeal and are seen to be only a machinery through which people channel their frustrations at one another, the student begins to sense the superficiality of life in the houses. The house environment with its childish traditions and institutions is not capable of supporting the deep intellectual needs of Caltech students. This is what has produced the feelings of social frustration, bitterness, apathy and helplessness that surround us.

The message that we hope you will take away from this letter is that you do not need to look around you to see what a Caltech student looks like. You are Caltech students. So come to know your class. Try to appreciate the unbelievable range of fascinating personalities, backgrounds, outlooks and abilities that compromise it. The strength of your class lies in your varied and independent individual ways of thinking. It is just such originality, freshness and variety that can revive the atmosphere of our environment.

So, do go to the upperclassmen; do come and talk to us. But now challenge us on these real issues. Bring up these problems, and have us justify our actions and feelings. Let us appreciate your views and perspective on these problems. If you do seize this opportunity, then those concerned with these issues will come out and openly discuss them. That is exactly what we need today: debate and discussion.

It is through such sharing of ideas that we can join together to have this society realize the enormous potential it holds. We can then make Caltech the ideal place that it now stands for. Before that, however, we shall have to join each other in the painful, shattering process of acknowledging our present faults, shortcomings, mistakes, follies, and misconceptions.

-Behzad Sadeghi

The following commentary by John Krehbiel, the IHC Chairman, appeared in the Sept. 30, 1983 issue of *The California Tech*.

To Change Rotation

The House system at Caltech is not perfect, neither is Rotation necessarily. It is doubtful that any procedure for human social interaction will ever be deemed 'perfect'. Because of this, such systems should be continually under review. Mr. Sadeghi has stated his views and actually stimulated this review by the distribution of his own "Open Letter to the Freshmen."

Nevertheless, I strongly question his motives and the high ideals he attests to in light of the very nonconstructive, even destructive way in which he presents them. Mr. Sadeghi makes sweeping generalizations about the student body and uses the editorial "we" when really he means "myself and some of my friends." The IHC and MOSH Chris Brennan urges him to delay publication until after Rotation Week, citing:

 The Freshmen's lack of experience with any of these policies, and therefore inability to draw any logical conclusions about such things;

 The response of upperclassmen, that, because of his timing, see Mr. Sadeghi as attempting to destroy the system, not improve it;

3) Our inability to change Rotation this year; and4) The necessity of Rotation Rules and the pro-

per adherence to them.

Mr. Sadeghi apparently decided that the sensationalism of distributing on Monday of Rotation Week outweighed these arguments, and that his ideas were so important that rational restrictions placed upon our community no longer applied to him.

Intelligent discussion requires not only logical thoughts, but also presentation of those thoughts in a positive, non-destructive manner. THis should also include some suggestions of alternatives, which Mr. Sadeghi neglects or does not have the capacity to offer.

The IHC is always, but especially at this time, anxious to hear alternatives and other thoughts about Rotation and the House System. Please make your thoughts known to your house president.

- John Krehbiel

The following is the text of an editorial by Ken Whang in the Sept. 30, 1983 issue of *The California Tech*.

About That "Open Letter"

In the presentation of an important issue, style is often as important as content. This was demonstrated last Tuesday morning when, outside of the term's first freshman physics lecture, an "Open Letter to Freshman" criticizing current Rotation policies was distributed.

The letter, signed by Behzad Sadeghi, had a public message in its three, typeset pages, but the message was clouded over by so many extraneous personal opinions that few had the patience to read it. In addition, the letter was directed quite specifically to freshmen, freshmen who had hardly begun rotation week.

Author Sadeghi alienated some of the upperclass audience immediately by addressing the letter to freshmen, as though upperclassmen were corrupted and unsaveable. Within the letter he noted that "many upperclassmen unthinkingly follow any ritual branded as a 'house tradition.' "He later omitted the qualifying "many," asserting that "Freshmen are

subjected to pressures designed to indoctrinate them into accepting this system by upperclassmen who were themselves indoctrinated during their Freshman year." He tried to explain in the letter "why we have hundreds of upperclassmen who are infuriated" by "what goes on in the houses," assuming, of course, that this "why" clause is unquestionably true. I think that many upperclassmen not only disagreed with these statements, but were also rather offended by this judgement of their characters.

Sadeghi further alienated his audience, upperclassmen and freshmen alike, by blatantly violating rotation rules while they were in effect, too late for any constructive changes in this year's rotation process. He described the specific rating systems of the various houses and then detailed the final pick procedures. Had he waited until after rotation to publish this information, he would not only have avoided violating these rules, but also would have caught the student body after a week of considering the rotation process.

Perhaps the greatest obstacle to communication of his ideas, though, was the inhibiting size of the letter. The topic of rotation was not introduced until after a page of tedious examples of the ritual

Confessions of a Genial Abbot—

Memoires of a Decade at the California Institute of Technology

Robert A. Huttenback

The back cover of Robert Huttenback's Confessions Of A Genial Abbot. Some 400 copies of the book were distributed on campus in December 1983.

behavior of upperclassmen compared to the great scientific achievements of Caltech. These two groups of ideas could not and were not contrasted in a parallel, organized fashion. The examples of upperclass behavior cited were not representative of student life, and included a few statements that were clear generalizations. "On occassion," he wrote, "a student is attacked...and 'showered' for what he or she said. A Freshman...can be showered for not answering a ringing telephone." These things do not happen in most of the houses, and in all of the houses it is well known that any student can avoid being showered by simply saying that he does not want to be showered.

A last point about the letter that diminished its credibility was the fact that it was signed by only one author. Sadeghi claims that it was a joint effort, but none of the other authors was willing to sign the work.

What disturbs me most about Sadeghi's letter, though, is that I agree with much of what he is saying. I strongly feel that we need to question our traditions periodically, and that the process of rotation deserves questioning and sustained debate. But Sadeghi's poor strategies in presenting this issue have already engendered negative reactions from much of the student body. He has effectively clouded over an important issue with generalizations, irrelevant com-

parisons, and bad timing. The way to make long term changes in rotation procedures is not by a revolution, but through rational exposition and sustained debate.

I hope that you will seriously consider the current procedures of rotation, despite Sadeghi's presentation of the issue.

-Ken Whang

The following article is reprinted from the June 1, 1984 issue of *The California Tech*.

IHC Modifies Rotation Rules

By Hossein Mohammad

In a decision that constitutes one of the most major changes in Rotation regulation in years, the IHC voted last Wednesday night to heavily modify the so-called "gag rule" and allow discussion of the general mechanics of the Rotation process with freshmen. Some restrictions still remain on discussion of the specific picking policies of the individual houses.

The vote followed a petition drive that urged the IHC to delete the "gag rule" from the Rotation regulations. Some 231 students signed the petition, which was presented by its organizers to the IHC at the Wednesday meeting.

Up to now, it has been against Rotation rules to give an incoming student any information about Rotation besides telling the student that he or she has the right to choose four houses and express his or her perference to the presidents of the houses. The new changes vastly increase the domain of allowed discussions.

The gag rule (rotation rule II.5) was changed to read: No information about the outcome of past picks or information about the possible outcome of future picks may be discussed with new students. Information pertaining to the ranking of each student at Rotation and the order of the picks may not be made public.

A new section added to the regulations describes in detail the mechanics and conduct of the meeting of the representatives of the seven houses at the end of Rotation for the final selection of freshmen.

Also added to the regulations was the new rule II.6: Rotation selection procedures of individual Houses may not be discussed except by members of that House.

This means that rotation policies such as the specific rating scales used by each house in rotation can be discussed only by members of that house. The IHC left it to the discretion of the individual houses to decide whether or not to make such information public. Thus, a freshman could ask any member of a particular house about the scale used in that house to rank the incoming students. The house member may then discuss only information pertaining to his or her house's own ranking system. The purpose is to prevent inaccurate information from being given to freshmen by people from other houses. A house may or may not approve of its members discussing its picking policies with freshmen.

The drive to petition the IHC to remove the "gag rule" was organized by undergraduates Behzad Sadeghi, John Beahan, Lily Wu, Ken Whang, Charles Hershey, Castor Fu, and Matthias Blume. The group had first brought up the subject of modifying the rule in an IHC meeting three weeks ago. The IHC discussed the matter at successive meetings. By last week, it became clear that some motion of modifying the "gag rule" would pass in the IHC.

During this week, most houses held meetings to discuss this and two other proposals which had emerged out of talks on a suggestion proposed by Art Duval two weeks ago. Versions of the other two proposals were also approved by the IHC on Wednesday. According to these new regulations, a freshman may pick more than four houses. Also, he or she can give relative rankings to the houses. These rankings will be taken into consideration by the selection committees of the houses at Rotation, although they are not binding on the houses.

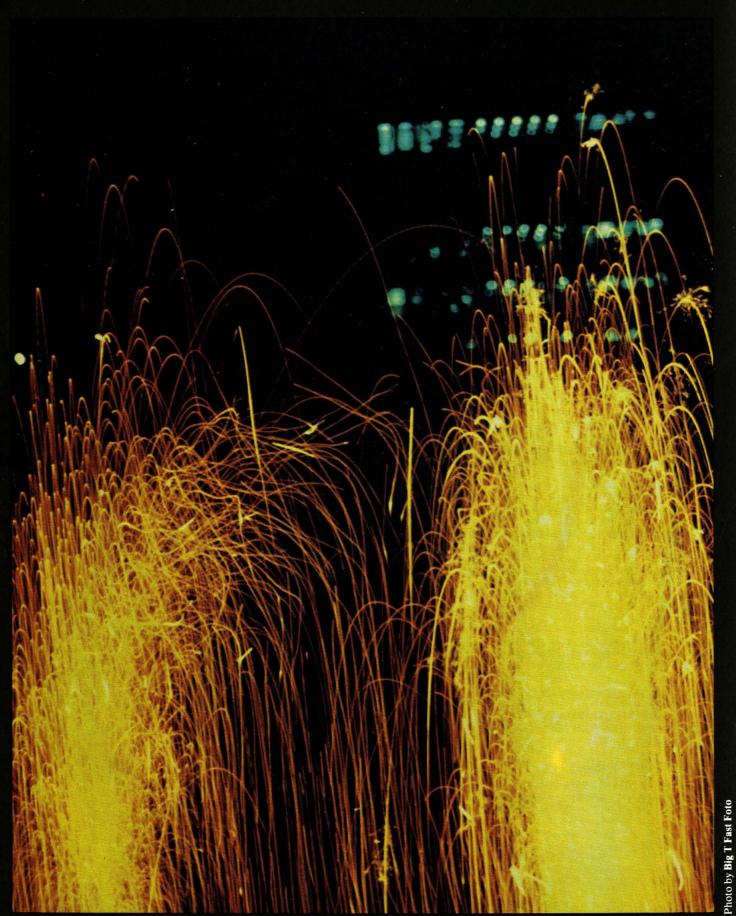




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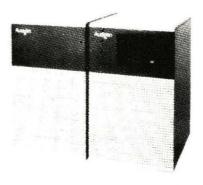
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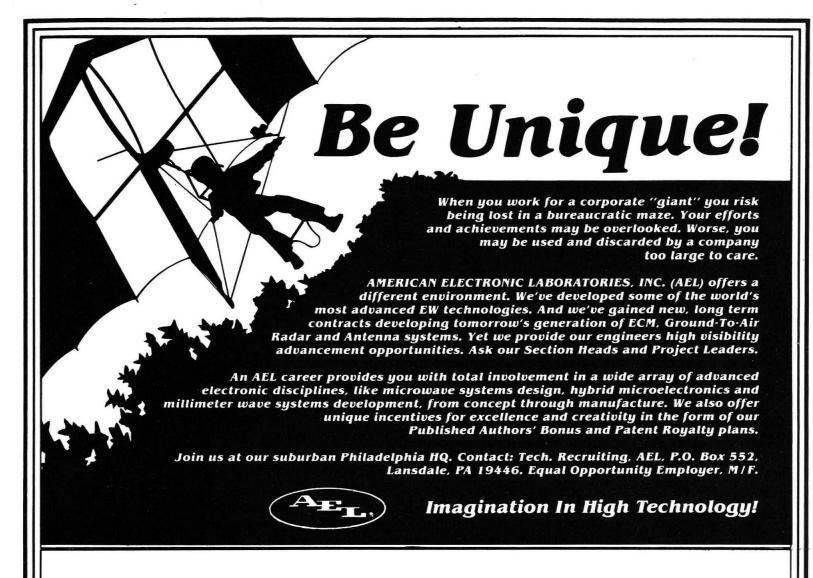
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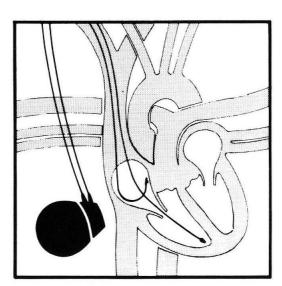
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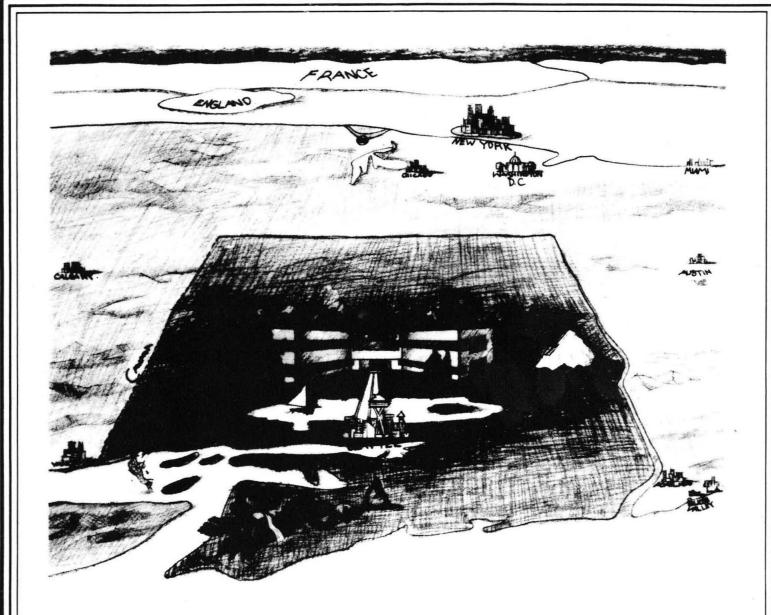
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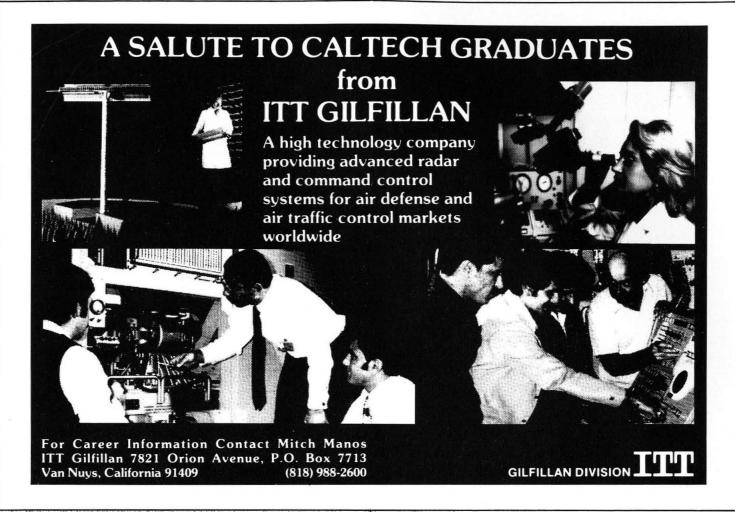
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From the Editor's Desk:

The 1983-84 academic year was unfortunately uneventful. Oh, sure, Fowler won his Nobel Prize; students organized official bitch sessions to complain about the current House Rotation System (wasn't that successful!); Interhouse came and went (yawn); a lloydie and a random mole received acclamation for a finally successful Rose Bowl Stunt (thus continuing a Caltech myth); President Goldberger received flak from everyone (and I mean everyone) for his handling of the Arroyo Center Controversy; this year's ASCIT elections featured the premier of ex-IHC Chairman Dave Younge's Bah Voting Scheme (too bad ASCIT didn't realize that he was just joking when he suggested it—but that didn't matter since there weren't very many runoffs due to the lack of qualified candidates); Prince Andrew was greeted by the Caltech Royal Family (see page 49); Charles "CB" Ray and Co. made an incredibly uninformed decision to move student computer accounts off the VAX 11/780 and onto the 3 new stellar Data General MV4000's (unfortunately for Data General, Caltech students will never advise their future employers to use Data General equipment); the Caltech Y continued to discuss (and discuss and discuss...) the nuclear arms issue to the same end; and the Caltech women continued to (unjustly) claim that the Institute is a sexist place. Sigh.

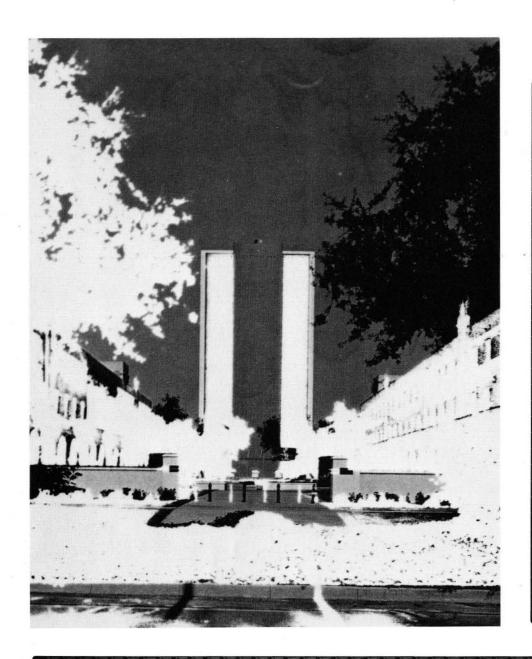
Then again, who noticed what happened in the real world. The Democrats fought each other tooth and nail for the privilege of losing to incumbent President Ronald Reagun; Iran and Iraq are still at war; the American invasion of Grenada was successful; the American occupation of Lebanon was not successful; the Cold War continues; the 1984 Summer Olympics boycott was a repeat of the one in 1980 (only the nationalities have been changed to protect the guilty); the economy improved (for those who already had \$money\$); video games went the way of the hoola-hoop (much to the dismay of the Electrical Engineers of the world); music videos and break dancing clogged the airwaves and pavements (not to mention Winnett Center-got that Chris?!); the Michael Jackson phenomenon embraced the world; and finally, the Big T was completed.

This review of the year's events and activities brings to mind the increasing apathetic behavior of Caltech undergraduates towards nonacademic interests. It has become readily apparent to even the most casual observer that for the past few years there have been fewer and fewer new students who bother to involve themselves in any activity which would not further their academic careers. This is disappointing. Hopefully this trend will change and more students will become involved in extracurricular activities to insure that fine institutions (e.g. the **Big T**) do not become extinct.

In conclusion, as Editor-in-Chief of the Big T, I would like to thank all of the hard working people who made an impossible task do-able. I would like to thank John Platt for creating the computer graphic on the cover; Steve Baxter for his expertise in photography; Min Su Yun and Behzad Sadeghi for their comprehensive photo coverage of the year's events; Betty Meade for her help with many years worth of Big T accounting; Keith Hughes for services above and beyond the call of duty; Barbara Wirick for assistance with Institute pictures; Tracy Furutani for his Clea-style enthusiasm and text; Karla Peterson, Empress of the Publications Empire, for her blessings; and Howard Chiang for doing all of the grungy parts of layout and proofreading that other people refused to do. And finally, I would especially like to thank that little old minstrel boy from La Puente, CA, Mark Olmos for doing everything and anything for THE CAUSE.

Roger Fong

P.S. George Orwell sends his "hello's" from the great beyond.



Colophon

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