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Cable of Contents

Officers and Faculty	8
Seniors	24
Student Government	58
Activities	74
Houses	98
Sports	132
Che Year	166



Joel Tenenbaum Editor-in-chief

Jim Blackmon Business Manager



Joel Tenenbaum



Jim Blackmon and Doreen Hollis



Tom Slobko



Left to right: Steve Bruenn, Ken Manly, Mike Townsend, Bill Francis, Wendell Mendell, Kerry Donovan, Stan Sajdera, Doreen Hollis.

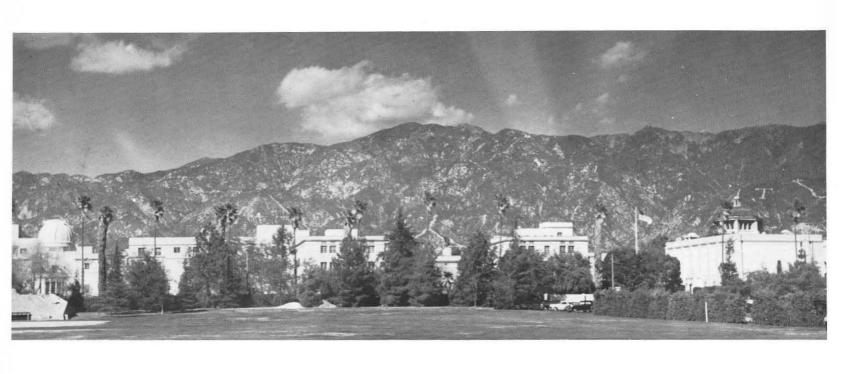
Tom Slobko Editor-in-Chief (during 1959)

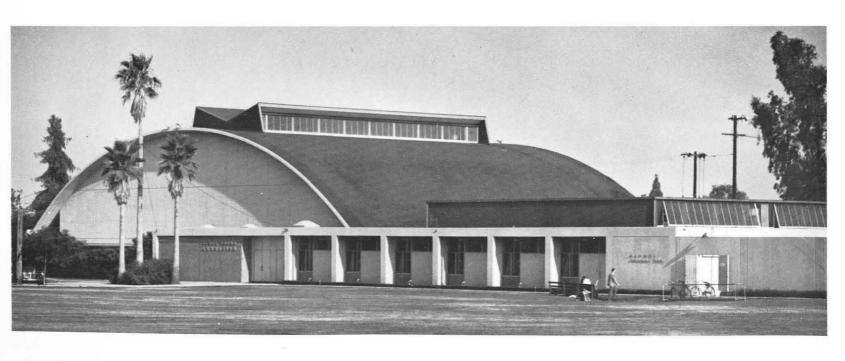
Section Editors

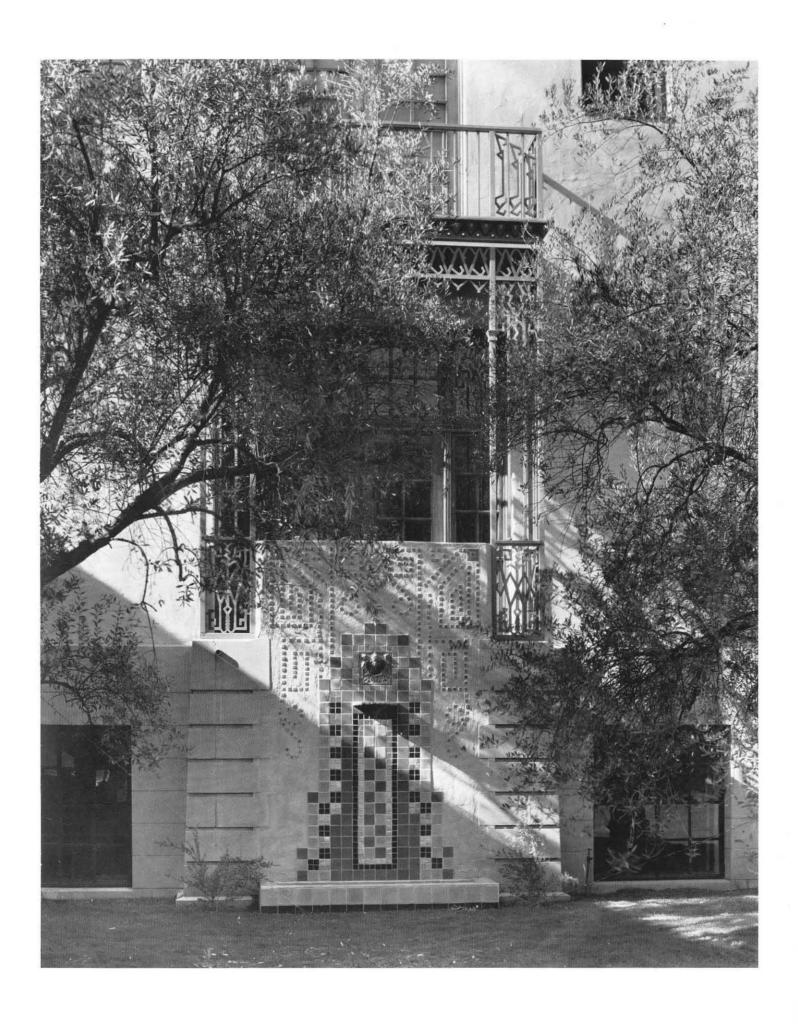
Stan Sajdera	Art	Wendell Mendell	ASCIT
Kerry Donovan	Art	Lance Taylor	Activities
Lowell Hill	Faculty	Mike Townsend	Houses
Ken Manly	Seniors	Roger Noll	Sports
Bill Francis	Seniors	Bob Williams	Photography
	Steve Bruenn	Сору	

Business Staff

Les Ingber Sam Suitt Doreen Hollis

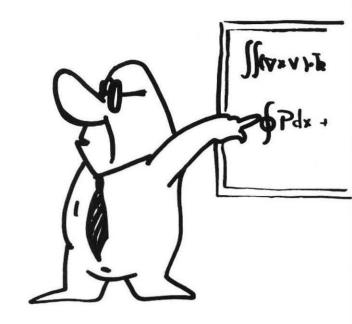




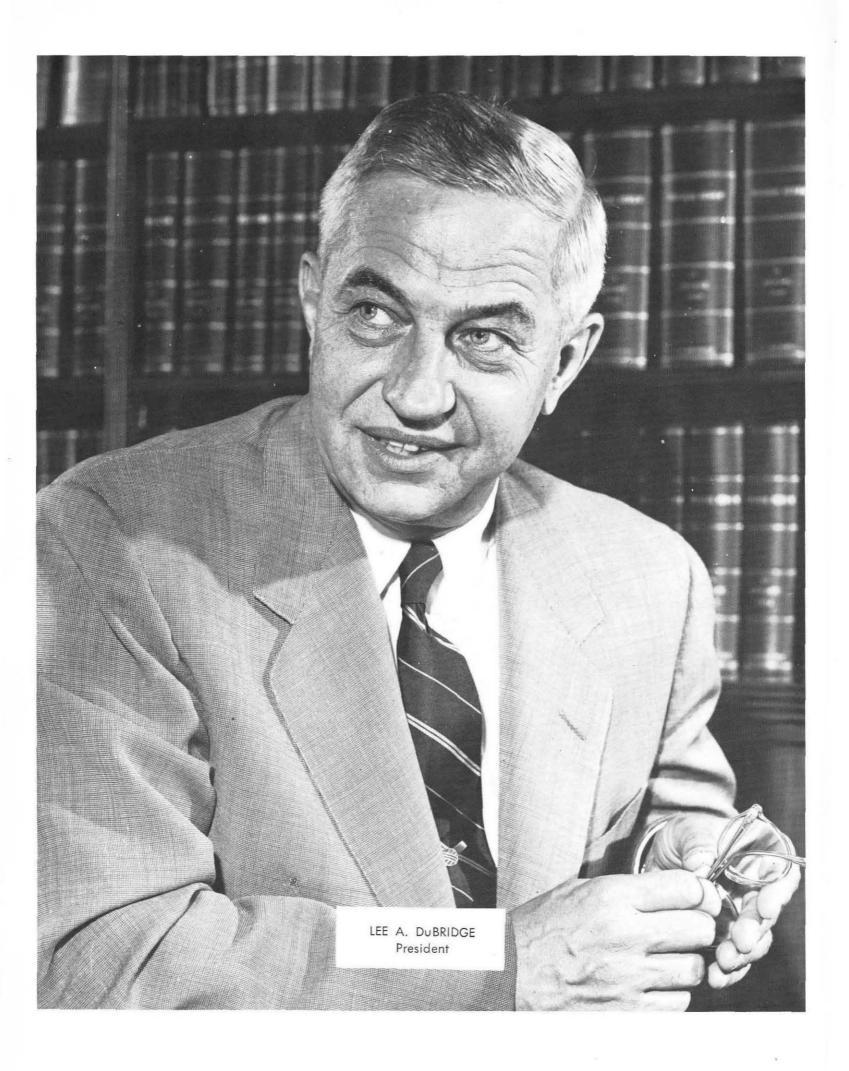


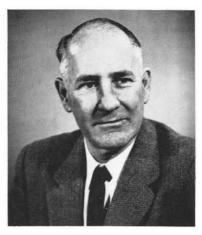






Officers — and — Faculty





GEORGE W. BEADLE Acting Dean of the Faculty



HENRI F. BOHNENBLUST Dean of Graduate Studies

Deans



FRANCIS W. MAXSTADT Registrar



L. WINCHESTER JONES
Dean of Admissions

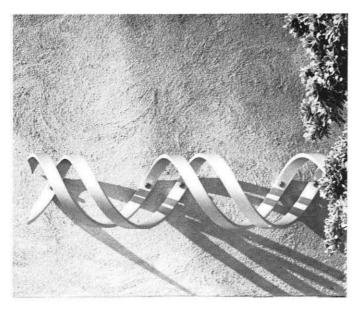


FOSTER STRONG Dean of Freshman

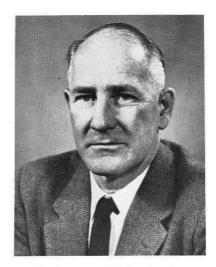


PAUL C. EATON
Dean of Students

Biology



Double stranded DNA.



Dr. George Wells Beadle Chairman of the Division of Biology

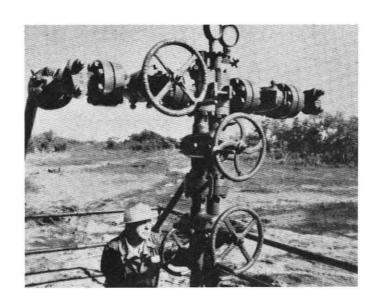


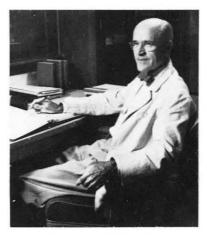
Left to right: E. G. Anderson, H. Hellmers, A. H. Sturtevant, G. Keighley, M. Delbruck, J. Bonner, R. D. Owen, E. B. Lewis, S. H. Emerson, G. W. Beadle, A. Lang.



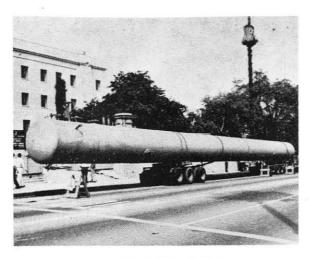
Front row, left to right: J. D. Roberts, P. A. Longwell, M. Caserio, H. M. McConnell, C. J. Pings. Middle row: E. H. Swift, W. M. Lacy, M. Davidson, G. W. Robinson, G. N. Richter, O. R. Wulf. Back Row: P. D. V. Manning, B. H. Sage, F. Anson, H. H. Reamer.

Chemistry and Chemical Engineering





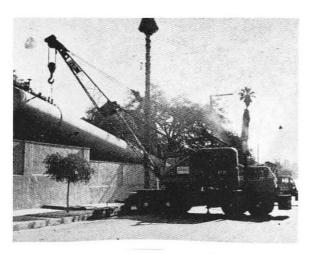
Dr. Ernest H. Swift Chairman of the Division of Chemistry and Chemical Engineering



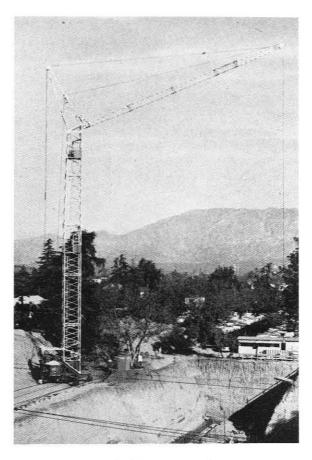
1. Engineering at Caltech; Sidewalk Option . . .



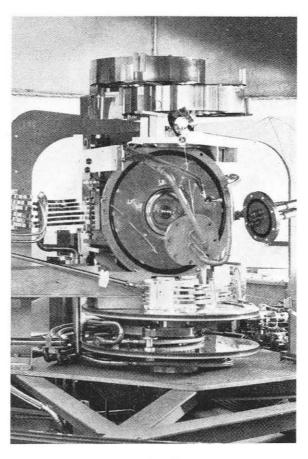
Frederick C. Lindvall Chairman of the Division of Engineering



2. . . . engineering is the application of science . . . note the quantum mechanical jump through the tree . . .



3. At Caltech engineering is big . . .



4. . . . and complex



Front row, left to right: J. E. McKee, G. W. Housner, R. R. Martel, V. A. Vanoni. Back row: W. R. Samples, R. F. Scott, A. T. Rossano, Jr., C. W. McCormick.

Civil Engineering

Electrical Engineering



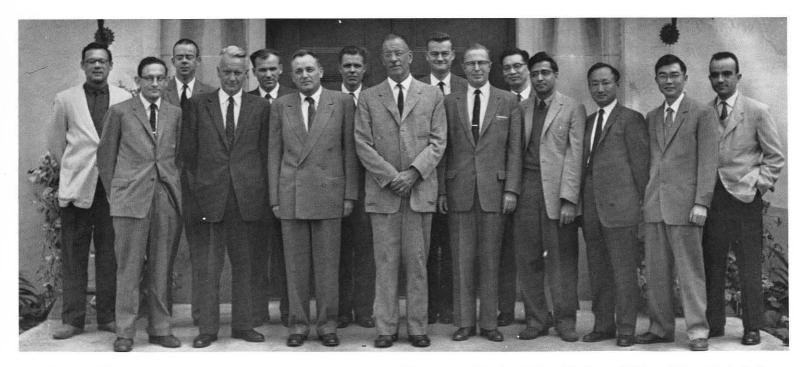
Front row, left to right: R. W. Gould, C. H. Papas, F. J. Mullin, L. M. Field, C. H. Wilts, K. Lock. Back row: P. V. Mason, C. A. Mead, R. D. Middlebrook, R. V. Langmuir, G. D. McCann, D. G. Dow, M. A. Nicolet.



Front row, left to right: D. A. Morelli, D. S. Clark, D. E. Hudson, Pol Duwez. Back row: R. H. Sabersky, T. Vreeland, Jr., W. D. Rannie, F. S. Buffington, E. E. Zukoski, A. J. Acosta.

Mechanical Engineering

Aeronautics



Front row, left to right: H. W. Liepmann, P. A. Lagerstrom, L. Lees, C. B. Millikan, E. E. Sechler, S. R. Valluri, I. D. Chang, T. Kubota, A. Demetriades. Back row: J. D. Cole, D. E. Coles, A. Roshko, M. L. Williams, W. W. Royce, Y. C. Fung.



Seated, left to right: H. Brown, R. P. Sharp, C. R. McKinney. Standing: L. T. Silver, R. H. Jahns, A. L. Albee, S. Epstein, C. R. Allen, H. A. Lowenstam, H. P. Taylor, H. Benioff, C. H. Dix.

Geological Sciences



Professor Dick Jahns and friend. Dick Jahns will leave Caltech this year for the post of Chairman of the Department of Geology at the University of Pennsylvania.



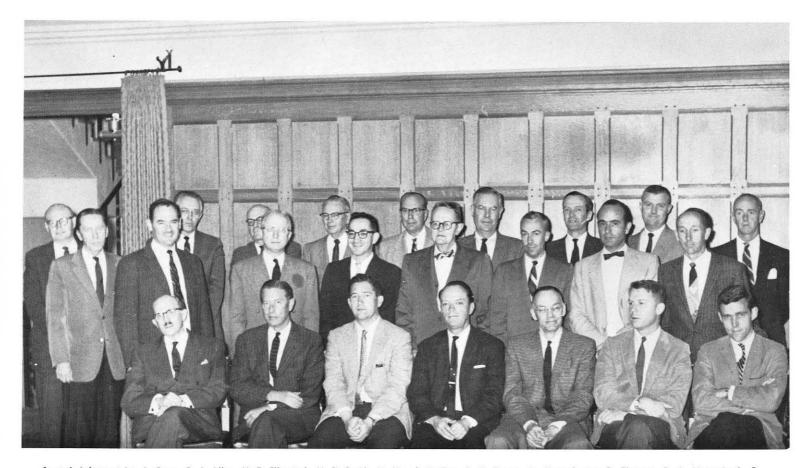
Robert P. Sharp Chairman, Division of the Geological Sciences



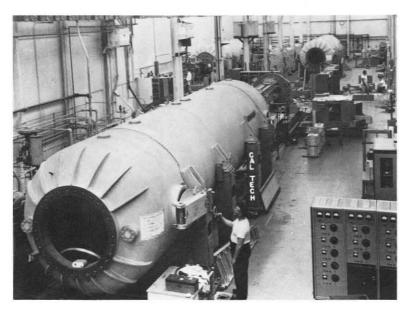
Hallet Smith Chairman of the Division of Humanities



Humanities



Seated, left to right: A. Stern, R. J. Allen, H. E. Ellersieck, H. D. Smith, H. Mead, P. Fay, S. C. Strout, Jr. Second row: D. Thomas, R. A. Huttenback, P. Bowerman, A. Paul, R. F. Stanton, E. Hutchings, D. C. Elliott, J. Weir. Third row: H. D. Piper, R. D. Wayne, H. Eagleson R. E. Untereiner, L. W. Jones, P. C. Eaton, R. W. Paul, R. Oliver, P. M. Miller.

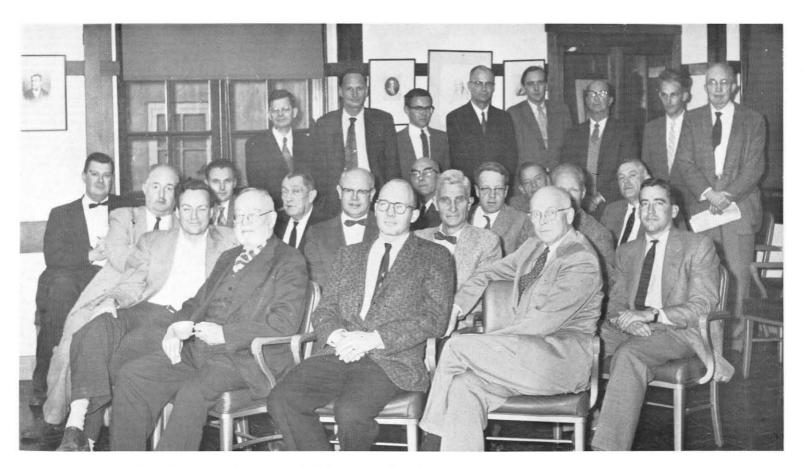


The Ten Million Volt Van de Graft Accelerator under construction at the High Voltage Engineering Corporation plant in Burlington, Massachusetts



Robert F. Bacher Chairman, Division of Physics, Mathematics and Astronomy

Physics

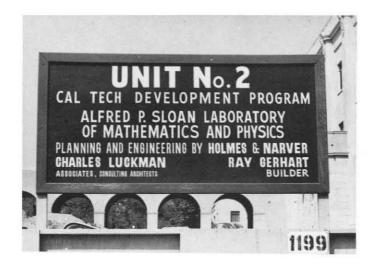


Front row, left to right: P. S. Epstein, J. E. Mercereau, R. M. Sutton. Seated: C. A. Barnes, H. P. Robertson, R. P. Feynman, R. B. Leighton, C. C. Lauritsen, W. A. Fowler, C. D. Anderson. W. R. Smythe, L. Davis, Jr., A. Goetz, R. L. Walker, J. R. Pellam, W. Whaling. Standing: T. Lauritsen, E. W. Cowan, J. Mathews, R. B. King, M. L. Sands, T. F. Strong, G. Nijgh, J. W. M. DuMond.



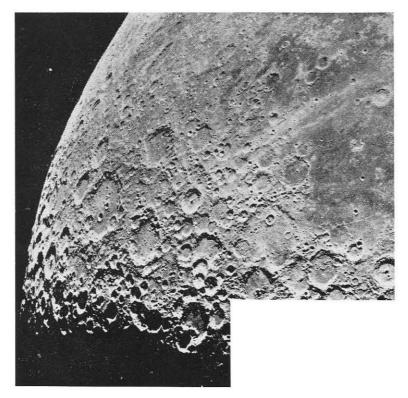
Front row, left to right: M. Hall, Jr., R. P. Dilworth, F. B. Fuller, H. F. Bohnenblust, T. M. Apostol, T. Cherry. Back row: C. Kocak, R. E. Block, M. Ward, R. A. Dean, W. A. J. Luxemburg, J. D. Weston, A. Erdelyi, C. R. B. Wright.

Mathematics





H. F. Bohnenblust Chairman, Department of Mathematics



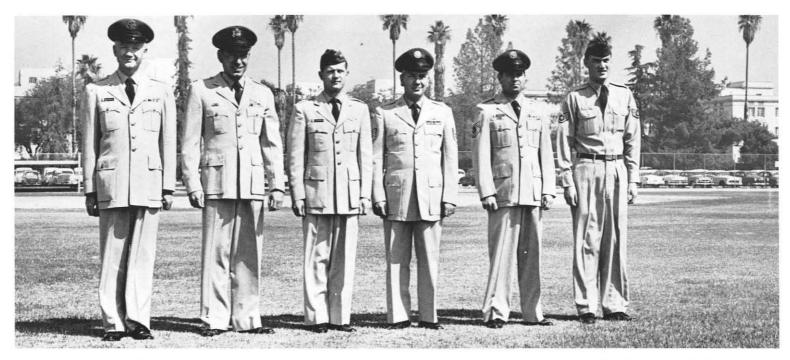


Jesse L. Greenstein Chairman, Department of Astronomy

Astronomy



Front row, left to right: J. B. Oke, J. G. Bolton, A. R. Sandage, T. A. Matthews. Back row: F. Zwicky, M. Schmidt, J. L. Greenstein, G. Munch.



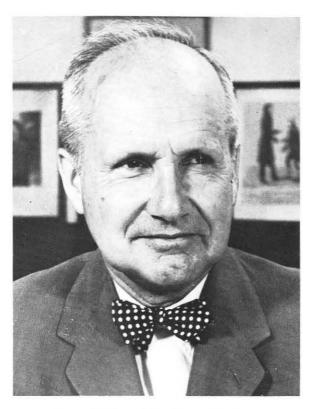
The AFROTC Detachment Staff, left to right: Major Francis R. MacKenzie, Capt. Andrew Henry, Capt. Cary D. Stephenson, T/Sgt. Richard E. Stafford, T/Sgt. Willard J Garner, S/Sgt. John E. Merchant. Not Pictured: Capt. George Rokuhara, M/Sgt. Leon E. Bemis

Air Science

Student Health Services



The Health Center Staff, left to right: Florence Magelssen, R.N., N.Y. Matossian, M.D., Alice Shea, R.N.—Head Nurses, Bette Saulino—Secretary. Not Pictured: Richard Webb, M.D.—Director, Richard A. Cross, M.D., Daniel Siegel, M.D., Stewart A. Harrison, M.D., Fay Kinley, R.N., Esther Erickson, R.N., Adeline Touryan, R.N.



Earnest C. Watson, Retired Dean of the Faculty

Earnest Watson, dean of the faculty for the past 14 of his 40 years at Caltech, left the Institute this year to become scientific attache to the United States Embassy in India.

In the statement announcing Dean Watson's retirement from Caltech, President L. A. DuBridge said:

"Dean Watson has been a dedicated and effective servant of Caltech. No one on the faculty is more admired as an individual, or is more respected for his part in bringing Caltech to its present position of leadership. As dean of the faculty, he has never compromised with the highest quality requirements for faculty members, yet has dealt gently and understandingly with all faculty members on their personal and professional problems.

"He will be sorely missed, but his friends join in wishing him every success in the new and important task he has undertaken. He will be an ideal representative of the U. S. scientific community abroad."

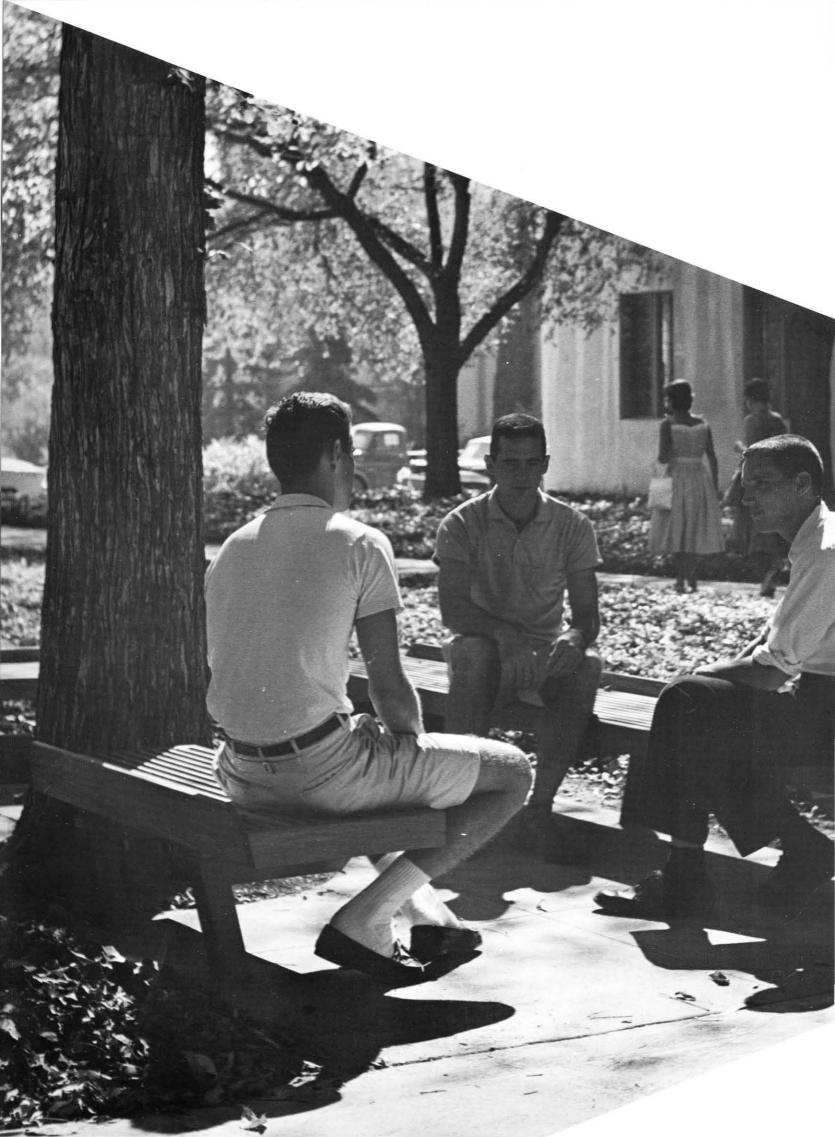
The Faculty Committee on the Student Houses took action on several matters during the past year which will result in the student houses being somewhat different in the fall.

Acting on the recommendation of the Interhouse Committee, the Student House Committee adopted resolutions concerning the mechanics of populating the new houses, and also the resolution suspending rotation for one year. In variance with the Interhouse Committee report, the Student House Committee also adopted the rule requiring all freshmen to live in the houses next-fall. This view was taken as one means of combating the problem of off-campus freshmen who have become too detached academically from the Institute.

Finally, after much consultation with Duncan Hines, the Student House Committee decided to retain the Saga Foods Service for both the new dining hall and the enlarged student houses.



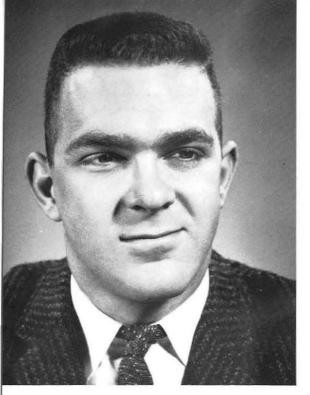
Seated, left to right: W. Whaling, P. C. Eaton, D. S. Clark — Chairman, T. F. Strong, T. Vreeland, Jr. Standing: J. H. Richards, R. A. Huttenback, R. P. Sharp, G. W. Green.



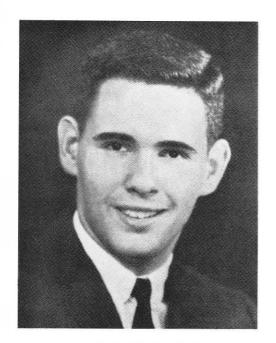




Seniors =



Jim Sorenson, President



Marty Kaplan, Vice President

Senior

The Class of 1960 was composed of people.

In September of 1956 they entered Caltech for four years of a college education. In June of 1960 they emerged. Here is what happened in the outside world while they were gone:

First term freshman year—Don Larson pitched a perfect game . . . Adlai Stevenson asks end of H tests . . . Gomulka rises to power in Poland . . . Israel attacks Egypt . . . Hungarians rebel . . . Class of '60 wins Mudeo . . . Russia intervenes in Hungary . . . Ike reelected . . . UNEF enters Egypt . . . Supreme Court rules against bus segregation . . . Patterson wins heavyweight title . . . Russia leads in Olympics at Melbourne.

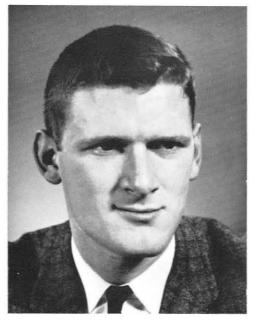
Second term freshman year—Senate investigates teamsters . . . Gold Coast, British Togoland becomes independent . . . Charles Van Doren ends record run on "Twenty-One."

Third term freshman year—Krushchev appears on American TV . . . U. S. Marines make presence felt in Jordan . . . Joseph McCarthy dies . . . Suez Canal reopened . . . British test H-bomb.

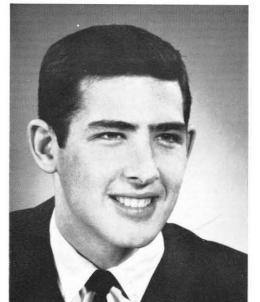
First term sophomore year—French cabinet falls over Algeria . . . Russia launches first Sputnik . . . Giants and Dodgers announce move to Coast . . . Killian appointed U. S. Science head . . . Mafia racketeering exposed in New York garbage collection . . . Class of '60 wins Mudeo . . . Vanguard explodes on launching pad.

Second term sophomore year—Gavin quits as Army R&D chief . . . Dulles asks internationalization of Outer Space . . . U. S. launches satellite . . . United Arab Republic formed . . . Mike Todd dies in plane crash . . . USSR suspends nuclear tests.

Third term sophomore year—Cheryl Crane kills Johnny Stomponato . . . Brussel's Worlds Fair opens . . . Castro fails in call for Cuban general strike . . . De Gaulle returns to



Sam Trotter, Secretary



Art Rubin, Treasurer

26

Class

power . . . Sherman Adams resigns.

First term junior year—Little Rock High School closed . . . Pope Pius XII dies . . . U. S. lunar probe one third of way to moon . . . Yankess win World Series . . . Coronation of Pope John . . . Rockefeller wins in New York, Democrats in California, Class of '60 in Mudeo . . . Quiz show inquiry starts . . . Scientists appointed to major U. S. embassies.

Second term junior year—Russian rocket circles moon . . . Castro triumphs in Cuban coup . . . Mikoyan tours U. S. . . . Nationalist partisans riot in Congo . . . Pioneer IV orbits sun . . . Hawaii given statehood . . . Draft extended for four years.

Third term junior year—Oklahoma ends prohibition . . . Japan's Crown Prince wed to commoner . . . 7 spacemen picked . . . Little Rock segregationists ousted from school board . . . White Florida jury convicts 4 whites for raping Negro girl.

First term senior year—Dodgers win series . . . Von Braun transferred to NASA . . . India and China have border dispute . . . Van Doren confesses all . . . Contaminated cranberries announced for Thanksgiving . . . Steel strike settled . . . Sorenson in Mud Pit . . . Ike agrees to summit . . . Payola investigated.

Second term senior year—Kennedy announces candidacy . . . Russia to fire rockets into Pacific . . . President to visit Japan after USSR . . . National Goals Committee formed . . . Winter Olympics held in connection with Glee Club concert . . . Southern sit-ins spread . . . Pioneer IV in orbit around sun . . . Race riots in South Africa.

Third term senior year—lke questions Cuban intentions . . . France tests A bomb . . . Navigation satellite launched . . . Students riot in Turkey . . . Dick Clark denies payola . . . U. S. admits Powers spy flight . . . Civil Rights law enacted . . . Allan Freed captured . . . Ike starts Far East tour . . . Class of 1960 graduates.



Larry Long, Athletic Manager

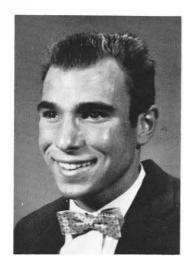






Bob Thompson, Board of Control





ERIC ADELBERGER

Virginia lost a great statesman when this noble son yielded to temptation and became a physicist.
Before leaving Arlington, Eric robbed a bank to keep the plantation
going for the four years he would
be away, and then escaped to Pasadena on his motorcycle. At Caltech, Eric quickly rose to the posi-tion of Scion of the Blacker House Physical Society. He then cleared away two centuries of superstition by demonstrating the fundamental physical principle that "good taste berger likes."

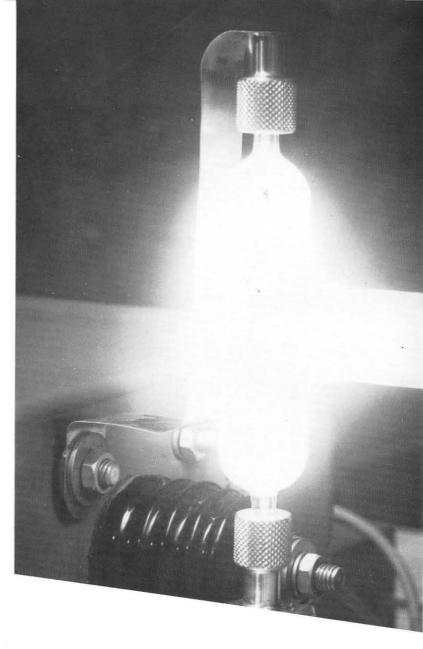
Next year, Eric will return to Caltech for graduate work in natural philosophy.



Living proof that Caltech men do not study all the time is this senior from San Diego. During his stay at Caltech, Chuck managed to have at least one non-academic activity for each day of the week. Sunday was spent as a day of relaxation with the Sailing Club. Monday was the day of petty larceny and revelry as Treasurer and Social Chairman of the Newman Club. Tuesday was split between badminton and the student shop. The Wednesday of graduation week marked Chuck's one hundred and thirty-first visit to ASCIT Dance Class. Thursday, as a slight concession to the academic world, was spent as President of the Physics Club. Friday was the day devoted to P.E.—especially tennis. Last but not least was Saturday, a day on which Chuck emerged as a Fleming House Social Chairman with the goal of remaining single. Chuck looks forward to a slightly more relaxed future, either at grad school, or at the Navy Electronics Lab in San Diego.



DAVE BAILEY

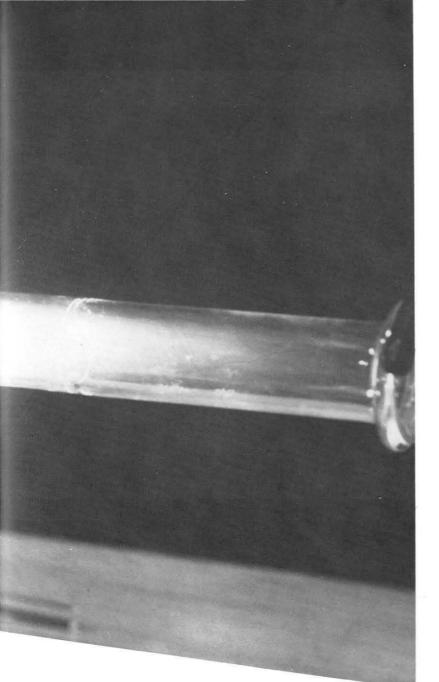


TOM BERGSTRESSER

Pleasant Tom Bergstresser hails from the atomic city of Los Alamos, New Mexico, and it is not surprising that he has turned to Physics after an unstimulating try at Chemistry.



What is surprising is that Tom has managed to achieve Honor Standing and membership in Tau Beta Pi, while devoting considerable time to helping guide the Caltech band through its most successful year ever, as band manager. And as if Caltech weren't enough, Tom is now planning to attend the granddaddy of them all, the Physics Grad School at Berkeley.



NEVILLE BLACK

During the fifties, when the United States slowly fell behind Russia in the conquest of space, it was Neville Black who kept U. S. efforts ahead in one basic area: the role of sex in space travel. In the centuries ahead, Neville will be remembered as the father of many important advances in this field. He had extensive training for his research in-cluding weightless dining in the Anokia pool, active membership in the Blacker House Physical Society, and a thorough grounding (Econ 4 style) in the economics of birth control. Neville kept physically alert through his hours of research as a member of the JV Soccer team and as an Atheneum waiter. He kept mentally alert by attending classes. Neville will continue his scientific objectivity by remaining single, and doing graduate work in the Physics of Love at M.I.T.



DAVE CASSEL

Dave came to Caltech from the brimstone and hellfire town of Ainsworth, Nebraska. His religious fervor has not ceased since his arrival. Dave was active in the YMCA, and did an excellent job in chairing the Religious Emphasis Commission on a campus conceded to be the Devil's own country. During his Senior year, Dave capped off his YMCA activities by serving as President. When not poring through philosophy or theology, Dave was a rather impressive physics student. His overall academic prowess was rewarded by election to Tau Befa Pi.

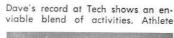
Dave's future plans include graduate work in Physics, either here or at Princeton.

DAVE BUTTERFIELD

Dave came to Tech from East Tawas, Michigan and has had trouble getting that fact across ever since his arrival. He has played an active role in campus affairs, including two years as a member of the BOC. After serving as Secretary of Dabney House and later as a UCC, Butter decided to major in tennis and minor in physics. Tennis resulted in 3 letters; physics, in a desire to go to grad school in EE, here at Tech. Dave also holds the record for walking from Palmdale to Caltech, under 12 hours, and was notorious for being able to avoid entaglements with members of the opposite sex.



GRAEME BLAKE



DAVE BLAKEMORE



enough to be Captain and mainstay of several Tech baseball and basketball teams, he is the only known waiter twitchy enough to spill a tray of soup on the ASCIT President. His great interest in people has kept him busy serving as a Dabney UCC, BOC member, and chairman of the EPC. Yet he found time to woo and win his hometown sweetheart from Napa, California. His wife Glenna and year-old daughter will probably see more of Pasadena smog as he continues in EE grad school here.





JOSEPH CAULEY

A local boy from Pasadena, Joe has travelled one of the usual academic paths in reverse. Like Caltech graduate Pierce of Echo Satellite fame, Joe found that ME did not quite fascinate him. He switched to EE, and then upon discovering a theoretical bent, switched to Physics. In the world of quantum states of the Hydrogen atom Joe has found his home, and he will continue on for a PhD in Physics at Caltech.

Physics



DOUG DUNHAM



LES HIRST

Les calls Morgantown, West Virginia home. Les is studying Physics and has emerged to do well there. He was also a very successful House Vice President which is no mean achievement. He has had the experience of being a Ricketts House waiter and, of course, can spin trays like nobody's business. Les's plans for the immediate future include an extension of his present bachelor state and a continuation of the study of Physics at the University of Maryland.



ERNEST ISAACS





AL LADERMAN

In a classic example of making the most of his four years, Al will graduate with a wife from Pomona College, and a B.S. in physics from Caltech. Because the first achievement required devoting many Sundays to commuting, Al had to squeeze his other activities into the remaining six days. These included positions as a Student Shop Committeeman and as a Fleming House UCC. By scheduling its interhouse sports every day except Sunday, Fleming was able to gain the services of an excellent Interhouse and Discobolus athlete.

A physicist bitten by the Hi-Fi bug, Al will probably continue on for an M.S. in EE or else will venture out into industry.



MIKE LEVINE



JOHN MUNSON

A competitor in everything he tried is the most apt description of this whiz from Burbank. The typical morning would find him reducing the intricacies of "Modern Physics" to mousetraps and ping-pong balls. During the afternoon, he would quarterback the football team in nothing less than Big Ten style. In the evening, little success came to underclassmen who attempted to get attention from the girls gathered around John.

John's competitive spirit was rewarded many times during his four years at Caltech. He was first in the graduating class, Tau Beta Pi Secretary, and the Athletic Manager of Dabney House. In addition to these mundane accomplishments, John was Caltech's official representative at Westridge during his

stay here (and there).
To further his idea of a balanced education — physics and women —
John will continue on to graduate work at Berkeley.



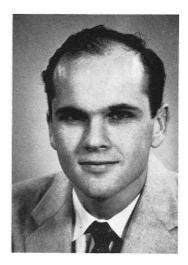
JIM NEELAND

Hailing from Silver Springs, Maryland, Jim entered into all academic and extracurricular activities to permit him to safely deteriorate into an apathetic senior. During his four years at Caltech, Jim was best known to all the forgetful borrowers of his tools and electronic gadgetry as the man with the largest such collection in all of Fleming House. Hi-Fi was his all-abiding passion and it led to room-filling antennas and an FM tuner which was reduced to elementary particles in search of that elusive hum. Jim's readily available opinions on all things known to man made him the grand master of the gathering known as the student bull session.

Next fall, Jim will continue his study of EE with a research assistantship here at Caltech.



JAMES NEARING



JERALD PARKER

in physics.

Jerry came to Caltech from Portland, Oregon, convinced that physics was neat. Since his arrival he has not changed his mind and has added everything from ethics to economics to the list of subjects he will defend. He was given a captive audience when he was appointed a UCC in Blacker House. Jerry lists himself as free and single, and intends to continue his status while doing graduate work



JOHN RIX



NEIL SHEELEY

Neil came to Caltech to prove that, given enough hard work and optimism, any brilliant mathematician can become a pretty good physicist. Along the way, Neil hd made use of his business talent — acquired during his childhood in the fleshpots of Ridgeway, New Jersey—by serving as Business Manager of the California Tech and as playing manager of the Tennis Team. Any time left over was spent in learning to play the guitar and in exploring the nether regions about Oxy.

Four years have not dampened his enthusiasm; head upraised he marches smiling to graduate school in Physics.



A member of one of the singing youths gangs of Golden, Colorado, John came to Caltech and succeeded in using both his talents. First, he added his pearly voice to the Caltech Glee Club. Second, his experience in working with hostile groups was put to use in the position of Fleming Frosh Work Chairman. Inded, Caltech has had an excellent effect on John as he returned to the path of righteousness as a member of the Sixty-Ninth Gospel Church of Fleming.

John spent his four years here as a

John spent his four years here as a physicist and has taken his subject to heart—his future plans are characterized by uncertainty.





PAUL SKOV

JOHN SOUTH







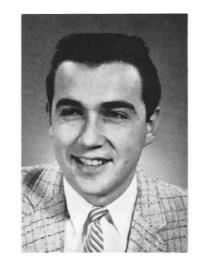


MIKE THOMSON

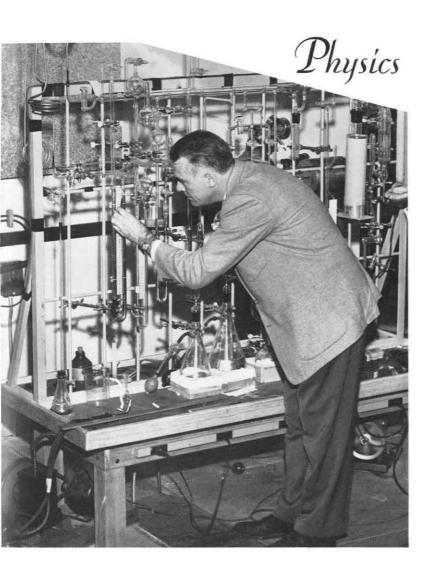
Mike came to Caltech from Pueblo, Colorado, and like another member of the Colorado contingent, quickly put his home-town experiences to good use. His experience in dealing with natives was recognized when he was elected Blacker House Social Chairman. When not busy stopping various tribal customs, Mike helped out on the ASCIT election committee and the Instituters, and participated on various Interhouse Teams. His love for Bridge and Jazz led him into that select group known as the Blacker House Late-at-Night Eating Society.

Society.

Mike will set aside his interest in physics by going on for an advanced degree in economics and business.



JOHN VAN DYKE



ROBERT WAX

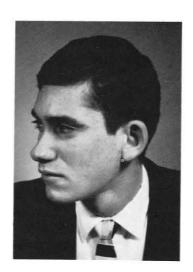


HOWARD WEISBERG

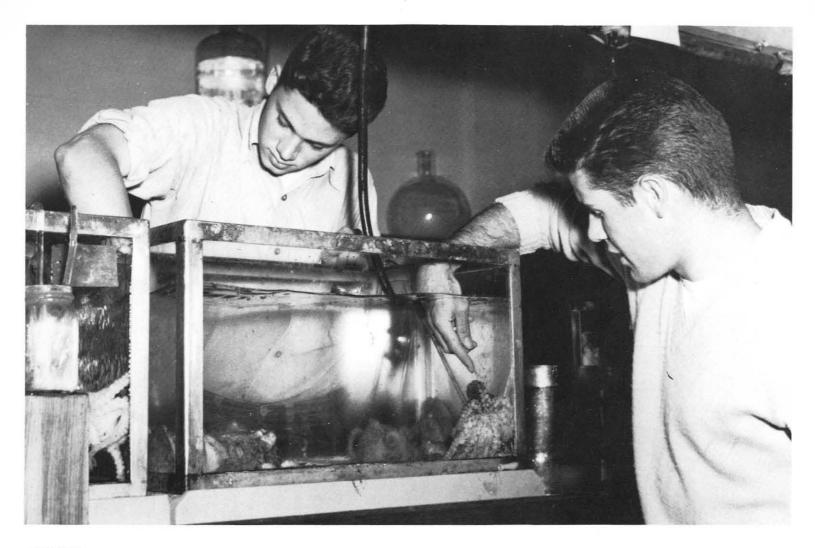


JOHN WALSH

Handsome John Walsh came over to us from sunny Tucson. Besides getting in the grueling Physics option a G.P.A. of which anyone might be proud, John has turned out to be one of the best and most versatile athletes to hit Tech, and he has been a welcome addition to our baseball, tennis, and football teams. John was presiding over the class of '60 at the time it became the first one in history to have won the Mudeo three years in a row, and to commemorate this blessed event, he added the now eternal "Really care" to the Tech vocabulary. John plans to attend grad school in Physics and to play pro baseball for a year or two.



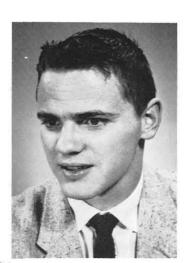
PAUL WIDESS



ALAN BERG

To use the characterization coined by Norman Cousins, Al is in that small minority of college students today who are militantly aware of the world about them. Academically, he had decided that a scien-tific education must encompass a wide range of subjects. Al has had acquaintance with at least three options. Though not a physicist, has been a cheerful member of the Physics Club. Al did start out as a physical scientist—an ME—but the wonders of life were too much for him and he switched to Biology. Yet, deep down inside, Al is really a member of humanity, and has served the cause as Secretary of the YMCA and Blacker House Social Chairman.

A patriot at heart, Al also hopes to serve his country by staying II-S as long as possible.



LEE HOOD

Lee has been active in a number of campus organizations, but his most lasting influence will come from his work as Chairman of the New Student House Committee. Lee did an excellent job of shepherding the Committee through the discussion of two controversial topics the population and rotation policies to be followed in the new houses. When not dissecting things in Kerckhoff, Lee found time to be active in football, track, and basketball, and wound up with three varsity letters in football. Lee served as President of the Class of 1960 during his frosh year, and as Blacker House Social Chairman during his junior year. He also served Blacker as a Lee has been rewarded with two Honor Keys and also won the Wheaton Football Trophy during his senior year.



Biology

TOM JOVIN

Tom left his home in Buenos Aires, Argentina, to see if there were really a bunch of Yankee Imperialists at Caltech. During his stay here, he could not find any; he had defeated or scared them away in all the elections. The offices of Blacker House and ASCIT Secretary, and eventually the ASCIT Presidency, were given a Latin flavor during his tenure. Tom's friendliness was ever present and his ability to get along with people classic. Outside of politicking, Tom was active in the YMCA, the Beavers, and the Model United Nations.

Tom started out in applied chemistry, but is now a dedicated biologist. Tom's wife will accompany him to Baltimore for medical school at Johns Hopkins. Tom will then follow up his trip to India (from the Dupont Travel Prize) by working abroad.





SIDNEY ROTH

Sid has brought from his hometown Milwaukee some of it's "gemutlichkeit" to Tech and his helpfulness and winning smile have gained him many lasting friendships. To those who know Sid, and very few on the campus don't, it is very understandable why he is known as "Happy Sid".

As a house officer, UCC and a very active socialite, Sid has made a great contribution to life in Dabney House and the liveliness that his presence added will surely be missed next year.

Sid is planning to go to graduate school and specialize in neurophysiology or physiological psychology (this is how he impresses girls!) Eventually Sid is thinking of going into research or teaching.

BOB THOMPSON

Whenever the average Techman is asked, "Aren't there any girls on campus?" he will inevitably reply, "Well there are the secretaries, but . . . " One thousand Caltech secretaries resent that "but" and they may now rightfully point to Bob and say, "Just ask the man who married one."

In addition to besieging the Placement Office, Bob was active in ASCIT as Activities Chairman and as a member of the BOC. In his cheerful way, he was also on the water polo, swimming, and tennis squads.

A native of Larchmont, New York, Bob will go back east in the fall to be the third member of the contingent studying Medicine at Johns Hopkins.







DON ANDERSON

Mathematics



JOHN BARD

Throughout his four years at Tech John has been one of the outstanding members of the class of '60, excelling in all the activities he has participated in. He has been the captain of the golf team, head yell leader and one of the main factors of Dabney's many victories in interhouse sports. After starting as a chemist, John has become a successful mathematician, developing also an outstanding ability to handle cards and women.

John plans to attend business school either at Harvard or Chicago, but becoming a professional at Gardena and Santa Anita is a possible alternative.



A valley resident, Bill commuted to Caltech from his home in San Gabriel. At one end of his trip was the Math Department and at the other end was his wife. During one of his trips Bill learned to do the Cha Cha, and has performed for the Math Department many times since.

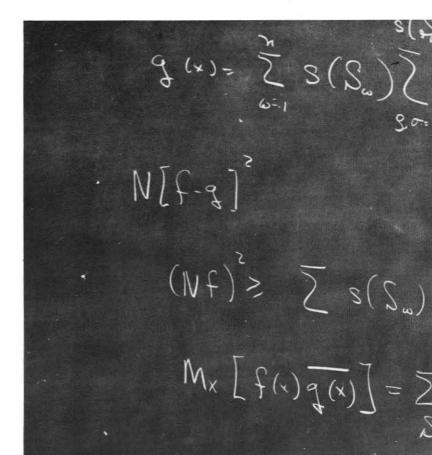
Bill's future plans include graduate school after a year of "satisfying anxious creditors."



FLETCHER GROSS

Fletcher is a prime, and of necessity a last example of how Throop Club molds the Caltech student. Fletcher ravelled to Pasadena from the hill country of La Canada. Arriving at Throop Club each day, he learned enough mathematics, while playing cards, to make the regular courses trivial. Eventually, he went on to bigger and better things such as juggling books as Treasurer and smiling as President. In odd moments, Fletcher played Ping-Pong and was active in most Interhouse Teams.

Fletcher will continue his dedication to mathematics by starting graduate work in the fall.



AL HALES



This resident of San Marino is somewhat unique in being the only person to come to Caltech because it was close to the Pasadena Badminton Club. It was a wise choice; conditioned by the rigors of badminton, he managed to sail through the four years with a minimum of effort. Ordinarily quiet and unassuming, Al becomes wildly propagandistic about his three loves; badminton, math, and pizzas. He can therefore claim credit as the granddaddy of the Caltech Badminton Club and the president of the Math Club and the Sunny Italy Pepperoni and Marching Society.

Society.

Al's future plans are graduate school at Caltech, more badminton and more pizza. Once you've found the good life—keep it.

DAVE JEFFERSON

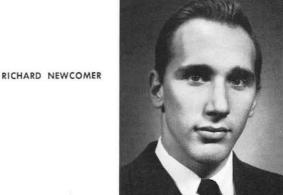
Dave was born in Pasadena, but moved to Oakland at the age of thirteen. He was so fond of Pasadena, however, that he had to think of some reason for coming back, and so entered Caltech. Since his arrival here, Dave has been practicing his major hobby of talking, and has won a large number of debate awards in the process. Sur-prisingly enough, Dave was elected President of Pi Kappa Delta. He has also been active in the Math and Physics Clubs. Finally, with the mark of a true boy-scientist, Dave has the hobby of astronomy, and peers at the stars through his own sixinch telescope.

The Chem la midterm made Dave a mathematician, and he will con-tinue in this field with graduate work at Berkeley.



BRAD EFRON

Brad is from the Midwest, Saint Paul, Minnesota, but you would never know it. He has an uncom-mon degree of social awareness and sophistication. Although smart as a whip, Brad has had the time and the interest to be ASCIT Rep., editor of the Little T, Social Chairman of Ricketts House, and finally, as if to gild the lily, House President. He lists as a hobby the writing of articles for the California Tech and Engineering and Science, articles which are wonderfully clever and sometimes sarcastic commentaries on student life. Brad is in Applied Math, and plans to continue this at Cal-Berkeley.







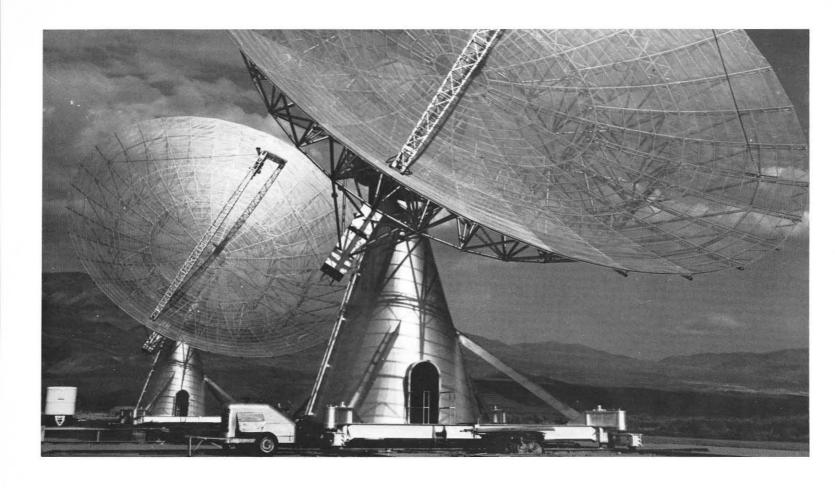




Beneath Stan's gentle, harmless exterior lies a mind with such fiend-ish capability for manipulating epsilons and deltas that, although he arived at Tech from Seattle only three years ago, he will be graduating this year. Stan played a year of football but failed to hit the big time since his non-Tigerish disposition was unsuited to the sport. Next year he will start graduate study in math at some as yet undeter mined school.







Astronomy

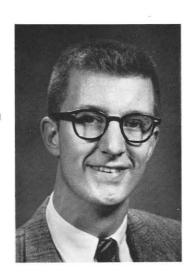


GARY GOODMAN

MIKE ENGELBERG

One of the few to be truly affected by the religious atmosphere at Caltech, Mike left here with an earnest desire to "live the good life." In achieving this end, Mike has attempted to maintain his physical piety through an active interest in track. In attempting to achieve spiritual perfection, Mike has chosen to spread the gospel of Caltech from the sanctity of his black Jaguar. Yet, he has reached an even greater plateau of devotion. Among all of the faithful to reach the gates of heaven, it will be Michael the Astronomer alone, who can classify its spectra as F, O or G.

MILES MACLENNAN



Geophysics

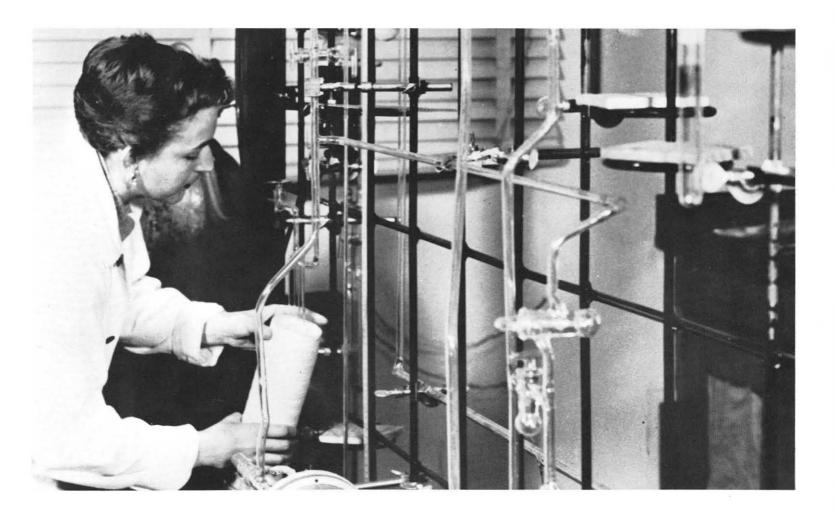


DON KROTSER

Don will always be remembered for his unusual guitar playing and his flair for strange foods on geology trips. While beef stew warmed over most campfires, Don shelled peas and boiled fresh clams.

After spending a summer on a Scripp's research ship, Don is leaving his home in Vallejo to see if M.I.T. knows something about physical oceanography.

physical oceanography.





TOM BJORKLUND

Tom is another member of the North High, Phoenix Alumni Association, Dabney House Chapter. He became interested in geology and has come almost to live and die for it. One of Dabney's best waiters, he also found time for two years of Varsity Football until Rainbow Basin won with a broken ankle. Tom plans a with a broken ankie. Iom pians a cross-country motorcycle excursion with his buddy L. Long, immedi-ately after graduation. Eventually Tom will go to grad school in Texas for soft rock geology.

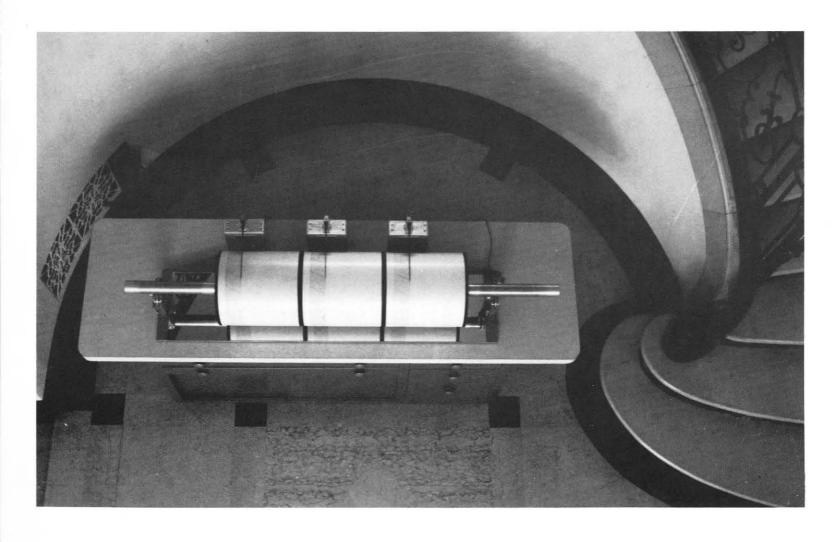


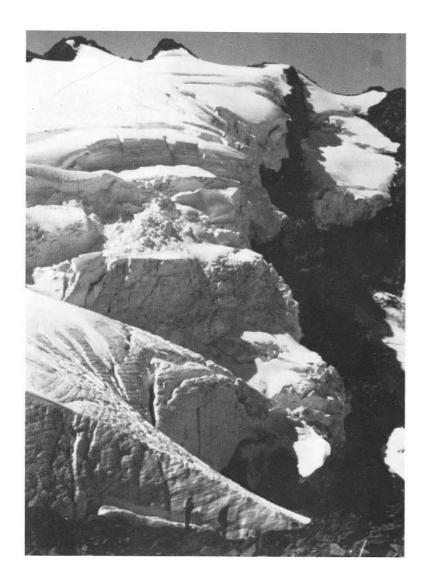
DENNIS EVANS

A resident of Whittier, Dennis travelled out the San Gabriel Valley to spend two years at Mt. San Antonio Junior College. He then returned to the west end of the valley, and spent the past three years at Caltech. Dennis started life as a physicist, but the wonders of the Geology Club were too fascinating; on coming to Caltech, he transferred to Geology. Since that time, he has been living it up on field trips. When he is rich enough to buy film, such exploits will be recorded. Dennis was an active member of Blacker House, serving as a UCC and as a member of the BHVFD. Dennis will do graduate work in geology at the University of Ore-

gon, and will then debate his future with Uncle Sam.

Geology





CAM MOSHER

From Phoenix and later Santa Barbara, Cam became interested in geology and became noted around Dabney for his enthusiastic announcements for Geology Club meetings. He is very interested in music and was chosen to lead the Dabney House Glee Club for this year's Interhouse Sing. Cam was also a UCC. He has been very active in his church and a possible mission abroad lies in his immediate future. Then, probably more geology.





RANDY SCHMUS

The AFROTC contends that they want trained men in all areas. Randy intends to show that there is a place in the world for flying geologists. When not engaged in flying or geology, Randy was a busy member of Blacker'House. He served as Social Chairman during his junior year and as UCC during his senior year. Randy was also active in ASCIT Photo, and he served as Chairman of the Election Committee. Finally, during 1959, he welcomed the Blacker Frosh as Pledgemaster, and took care of their laundry as House Laundry Entrepreneur.

Randy's future plans include graduate work in geology, before or after his tour of the Air Force.

PIERRE SUNDBORG

Eskimo Pierre, the House Democrat, calls both Juneau, Alaska and Washington D.C. home. Although he switched from E.E. to Geology in his sophomore year, his passion remains electronics as applied to hi-fi, as is evidenced by his very impressive collection of amplifiers, tuners, speakers, etc. Although denied that pleasure elsewhere, Pierre was elected T.L.A. President by acclamation, and has served well. His plans after graduation include a job as an E.E. for a small but growing Altadena company, and later some time in Naval Officer Candidate School.





BILL BENISEK

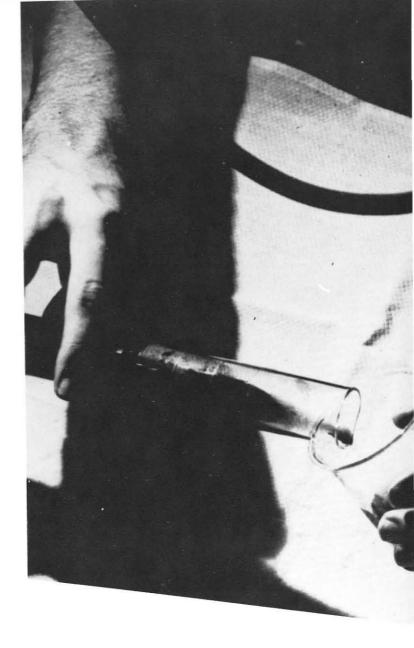
Bill made two significant contributions to House life at Caltech. For members of Dabney House, he epitomized everything necessary for the position of "House Charlie Brown." He also demonstrated to everyone the gross fallacies in many of the generalizations made concerning nurses. As a local Los Angeles resident, he provided the official Caltech Liaison with Huntington Memorial Hospital. During his junior year he put aside test tubes to serve as Business Manager of the Big T.

Bill's future plans concern both graduate school and Marie.



PHIL BROOKS

For the perfect example of a Chemist from the word go, take studious Phil Brooks. He came from Hazel Crest, Illinois with but one thought, Chemistry, and although he has partaken mightily of the fountain of Physics courses here, Phil has continued very successfully in the study of Chemistry. Phil was a member of that in-group of in-groups, the Ricketts House waiters, where he often found himself one level above or below the conversation. He plans to attend grad school in Physical Chemistry at Berkeley, and his future plans seem well entwined with Ann.



Chemistry



JOHN COOPER



LARRY CURFMAN

Larry's trademarks are a Kansastype drawl and a swinging pops piano style second only to that of Pessel. Since coming to Tech he has turned into a culture vulture, gaining dubious distinction as an H 5 snake. He is going to carry this trend to its logical conclusion by doing graduate work in law, possibly at Harvard.

JIM FARMER

Smilin' Jim Farmer hails from the sleepy little hamlet of South Gate, California. Not one to be tied to schoolwork, Jim has been basketball manager most of the time he



has been here. His face is familiar at the bridge table, and he is an avid audience for almost any sporting event. Having successfully steered himself through four years of the Chemistry option, Jim plans to continue with chemistry at "somewhere in the Rocky Mountain area," probably at the University of Utah.

raries.

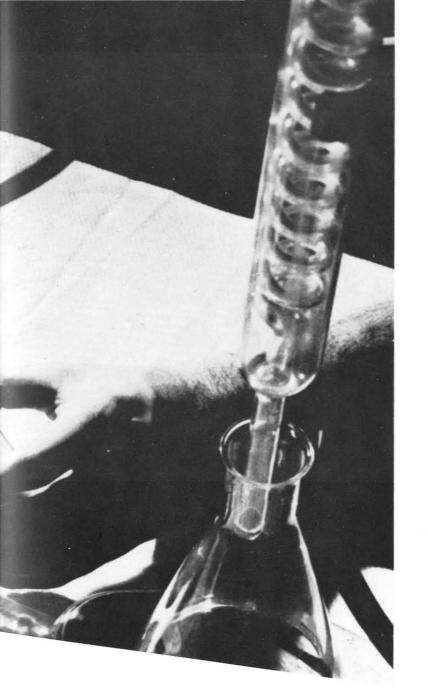
DAVID NISSEN

Dave Nissen, the silver-tongued orator from, well, from that house in Arcadia where Ricketts has all

its House Parties, was a welcome midyear addition to the Ricketts Frosh class. He is a proponent of that deviationist philosophy that, in some small way, disciplines other than Science (like Economics or Business) may be man's salvation, and so Dave is planning to attend Econ School. Although he has held

random offices such as House R.L.P.L. (in-group significance, only) Little T editor, and a membership on the ASCIT ExComm, his main ac-

tivity has been providing delightful listening for the less well read and less deep thinking of his contempo-



JON FRANCIS



CARL GOTTSCHALL

The Ivy League colleges suffered a great loss when Carl decided to make the journey from Pennsylvania to Caltech. For it is in Carl that we have that rare combination, the politically minded athlete. Carl was captain of the football team, and lettered in both football and track. In the political arena he carried his interests through as ASCIT Athletic Manager, As a public service, Carl also acted as Co-Sports Editor of the California Tech.

A militant bachelor, Carl will continue on in Chemistry at the University of Colorado or Berkeley. Eventually, he may let his political abilities get the upper hand, and continue on for a degree in law.



A. EARL JOHNSON



BILL MOCK



RON LAWLER

"Uncle Ron Crawler" has been noted in his enthusiasm for all fields of work and for all life in general. In Fleming, he kept a dry handkerchief for his duties as a UCC and found that it was fun to run on interhouse track and cross country teams. On campus he cuckoed sweetly for the Glee Club, played JV soccer, served as a deliberate member of the Educational

DAVE TUCKER

Although Long Beach is considered a sailor's town, this ex-patriot insists that he is a landlocked soldier of fortune. To the fair ladies of Pasadena, Dave is best known as the boy with the interestingly furnished truck. In spite of his choice of the wrong service, Dave is quite at home in, on, and around the water. His interest is marked by four varsity letters in swimming and water polo. During his senior year, Dave served as captain of the water polo team. A Fleming chemist, Dave will apply his four years of knowledge to the pursuit of women and comic books.

Policies Committee, and was active in the ACS. A lover of the outdoors, Ron became a master of the fingertip friction self arrest on high angle rock, and henceforth will be content to enjoy the beauties of nature by hiking in lush northern forests or climbing on high snow-fields around Mt. Ranier—his native stamping ground.

The NSF will assist Ron's love for

The NSF will assist Ron's love for chemistry at UC Berkeley.



MEL NEVILLE

Despite his preference for the lush green country, this son of the desert, "Navajo Mel," bid farewell to the dusty dirt roads and cactus of Tuc-son, Arizona and went to a farther part of the great western desert. Arriving at Caltech, Mel soon ja ed Fleming House, where he play- ; on the interhouse teams and was the beloved House Secretary. Mel also served as YMCA Secretary, was elected to Tau Beta Pi, and was considered the tiger of the JV soccer team. His genuine good nature and equally genuine and lovable grin won him many friends in whatever he did.

Mel's talents were justly rewarded by the NSF, and he will soon frolic in the lush cool meadows of Harvard, where he will study for a PhD in physical chemistry.



GERALD PEARSON



GARY ZIMMERMAN

This little lad from Seattle was unanimously elected as the "greet-ingest" graduating senior. To many, he was the smiling face behind a coffee cup, while to others, he was the smiling upperclassman at the New Student Camp. When not smiling, Gary was active in Fleming activities as librarian and treasurer, When frowning, he acted as manager of the swim team, treasurer of the Beavers and diligent member of the ACS.

A chemist through and through, Gary will transfer his enthusiasm to graduate work at the University of Wisconsin. When last heard from he was debating whether to accept an invitation to his own wedding.

Chemistry



TOM TEBBEN

Unlike Richard Nixon, this favorite son from Whittier chose to end his political career as ASCIT Vice-President. Tom's election to this post culminated a four year career of empire-building which started with positions as manager of the soccer and baseball teams. Tom then broadened his political machine by appealing to the intellectual vote as a member of the ACS and SAE, Finally, Tom recruited the local ward bosses by serving as Fleming House Secretary.

When not enmeshed in politics, Tom served on the diplomatic front as a member of the Student-Faculty Re-lations Committee and the EPC. In his spare moments, Tom studied chemistry and remained single and will bring both these assets to whatever company is lucky enough to



DON VOET

JOHN WRIGHT

A native Californian, John has not let the lack of singable Caltech folklore handicap his interest in banjopicking and folk singing. Rather, he has branched out and covered the music of America, from Brooklyn to the Ozarks. His skill in the latter, was demonstrated in the performance of this years ASCIT play, 'Dark of the Moon.'

Another member of the aquatic Fleming chemists, John has been active in all three areas. He has also absorbed another unifying interest of this select group, and has acquired a wife. She will accompany him to grad school at Harvard or Columbia.

Chemical Engineering



JAROLD MEYER

Jarold Meyer comes to Tech from that land on the other side of the Colorado River, Arizona. While consistently pulling good, solid grades here, he has pursued many other interests, and even succeeded in marrying one of them, being the first in his block to do so. He worked his way up from a novice singer in his sophomore year to become President of the Glee Club. His future plans include stints in both the Air Force and in Caltech's Chem Engineering Grad School.



PEDRO BOLSAITIS



LEONARD MALEY

Len comes to us from up the valley at Modesto although his friendly disposition gives him away as originally from the Midwest—lowa. He interrupted a budding career at the bridge table to become Ricketts House Athletic Manager, an office which he handled with great finesse. He has consistently been a valuable man on Caltech's varsity basketball team. He plans to continue the study of Chem Engineering into grad school, and then out into the cold world.

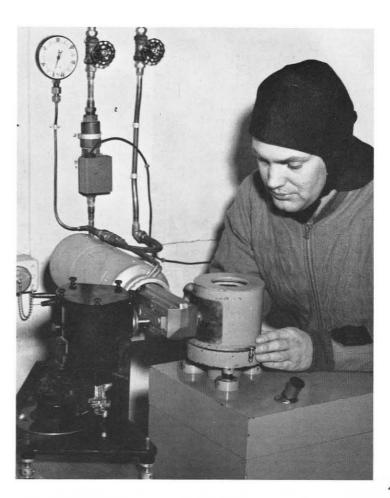


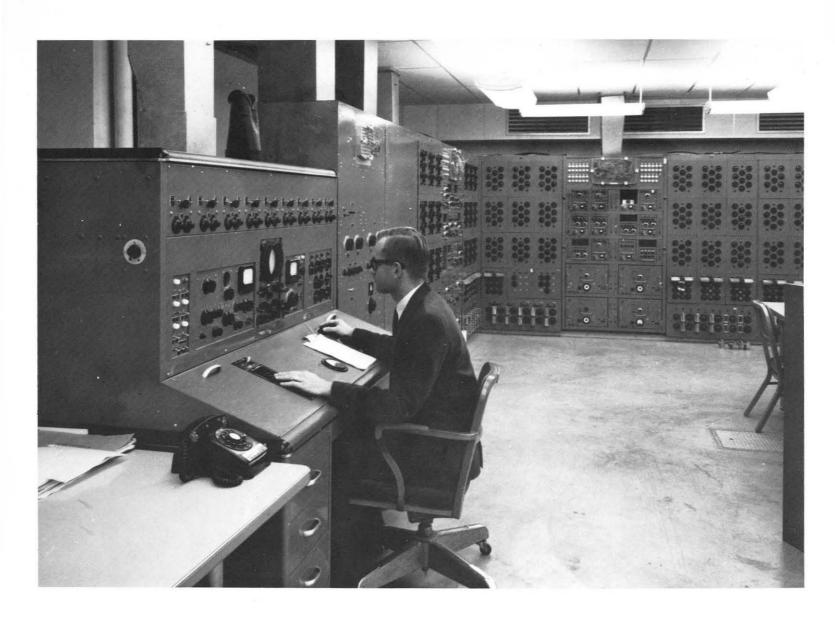
PETER RONY



JIM SORENSEN

Jim is probably the best comedian ever to hit this school. One of a series from Portland, Oregon, he holds the world record in many things, such as no-string balero, spinning tray while juggling while unicycling, fireplace keychainball, etc. Not content with academic pursuits, Jim has been President of the sophomore and senior classes, a Ricketts House U.C.C., captain of the crew team, and a member of the Caltech golf team. He plans to continue the study of Chem Engineering for a Master's degree, and thence to study business administration. It looks like big things ahead for good-natured Jim.





Electrical Engineering



RON ARPS

Ron will be remembered as that "tall fellow from Texas who sings." All three attributes were put to good use during his stay at Caltech. Ron's height kept him on the basketball team during all four years, and it also won for him the position of Commodore and forward mast of the Sailing Club. He sang bass for the Glee Club, the Blackerjacks, the Techniques Octet and the Glee Club Quartet. Finally, his fierce Texas scowl made him an ideal AFROTC Drill Team Commander in the days when Caltech was a military power, second to none. Ron is also remembered at Oxy for the theft of the Oxy Tiger in 1958.

bered at Oxy for the theft of the Oxy Tiger in 1958.
Ron's future plans include a Master's degree in EE and Business at Harvard.



STEVE BARRO



MARTIN CARNOY

Should Caltech ever go the way of MIT and permit humanities maj-ors, this alleged EE will be the first to apply for a retroactive degree. Although claiming residence in Mexico, Marty came to Caltech via Poland and Mamaroneck, New York and can speak the language of all three areas. As further evidence of his talents, it has been conclusively proven that during his term as Dabney Social Chairman, twenty-three freshmen lost interest in science, while during his term as Feature Editor, the California Tech received over two hundred and six letters threatening suit for libel. Marty also served as Chairman of Ex Comm. Due to lack of space, we will be unable to list all of Marty's vices here.

While the remainder of the senior class enjoys this first summer of freedom, Marty will start graduate work in economics at the University of Chicago.

LOWELL CLARK



GEORGE DAVISON

George spent his four years at Caltech as a resident of Blacker House. Quite naturally, he will graduate as an accomplished badminton player. George also played on Blacker's Interhouse Valleyball team. He studied EE to the sound of a rather large record collection, and raised tropical fish as an alternative to Student House food. George will start graduate work in the fall at a place not yet determined.



SAM GINSBURG

Sam came to Caltech from away out Foothill Boulevard in Tujunga. Frequently trapped by the forest fires for which the town is famous, San took up Ham Radio so that he might be a hero some day. To keep in practice, he has made frequent mountain-top expeditions by jeep and other rustic vehicles, allegedly for the fresh air. A full-fledged member of Throop Club (card playing species), Sam modestly admits that he was the last string mainstay of the football and volleyball squads. He was easily recognized on campus by the beard which he cultivated to impress interviewers, babies, and babes.

in EE from some California school, and then work in industry.

JOSEPH COINTMENT

Joe came to Caltech from the quaint little town of Plaquemine, Louisiana. Although the fact is not widely known, Plaquemine is world-famous for its excellent golfers. Joe is one of them and his skill placed him on the varsity team for two years. As a tribute to his skill, fellow Blacker Men joined together and had him married on the fifteenth green.

PAUL CALAWAY

Buried admidst the impersonal statistics of Caltech's Annual Report is the category of "Leaves of Absence." Social workers have studied these people and have come up with several hypotheses for the desire to return to civilization. Among them are girls, Bridge, and various dire illnesses. Paul cheerfully claims all three motives. In addition, he claims the distinction of being the only person to ever halve his GPA in the five weeks between midterms and finals. A friendly worker from Academics Anonymous sent Paul back to the school where he had played Frosh Tennis, Frosh Football, Varsity Baseball and Interhouse Baseball. Paul returned as a member of the Class of 1960 and will graduate this year with only one vice left-marriage to an Oxy lass in August. Paul's future plans in-clude working for industry, and possibly business school.



DAVE GOFF



ANTHONY GRANDE

A local boy from San Pedro, California, Tony might be termed a typical member of the Class of 1960. He was an EE. He was dramatically inclined and demonstrated this ability as a member of the Caltech Drama Club. He was an athlete and demonstrated this ability as a member of the varsity baseball team. Finally, he remained single.

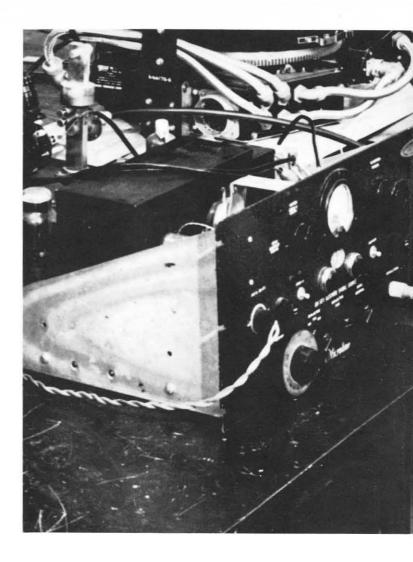


RONALD KUNZELMAN

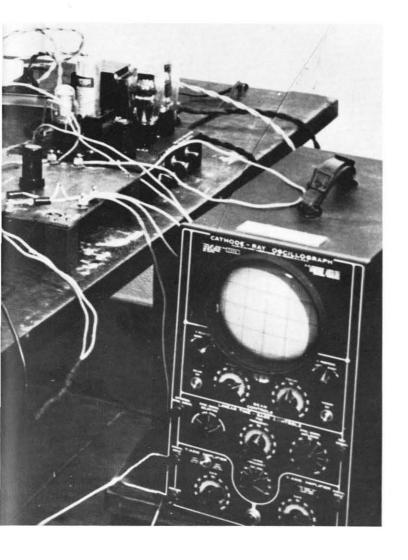
Another native of Pasadena in the Class of 1960, Ron came to Caltech after two years at Pasadena City College. A member of Throop Club, Ron lists eight interests which show him to be a born and bred Southern Californian; bridge, skiing, water-skiing, surfing, bowling, dancing, music and reading. When not pursuing these avocations, Ron studied his EE, and studied it well enough to win election to Tau Beta Pi. He also served as Chairman of the IRE-AIEE during his senior year. Ron will return next fall for a Master's Degree in EE and then hopes to travel. He summarizes his marital status as "Very single; married I can always get."



GORDON LONG



Electrical Engineering



MICHAEL MANN

One of the large contingent of studious EE's in Throop Club, Mike has divided his time between rolling up an impressive GPA and roaring down California Street in his sports car. As a diligent EE, he was treasurer of the IRE/AIEE, and as a diligent sports car enthusiast, Mike was a member of the Sports Car Training Association. An aquatic resident of the landlocked town of San Jose, Mike was active on the swimming and water polo teams. Mike's future plans include graduate study for an M.S. and hopefully a PhD in EE.

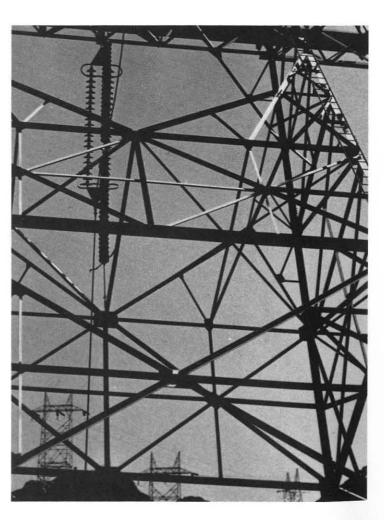




W. W. PARKER

MEREDITH B. MITCHELL

When the first man into space happily discovers that his soda straw is just the right length, he will owe his thanks to this senior from Los Angeles. Meredith came to Caltech from the other side of town after receiving an M.A. in psychology from U.C.L.A. Merideth spent his four years here in gaining an engineering background for a career in Human Engineering. He has worked part-time for the Collins Radio Company in this capacity and he will make it a full time job upon graduation. Meredith also has a hobby of hypnosis, so all future spacemen had best beware.





LANNES PURNELL

Last year, during his annual crack-down on campus vice, Officer Newton insisted on purging Blacker's Hell Alley. Lannes was among the displaced persons who were forced to re-accomodate themselves at 516 N. Mentor. In between sins, he found time for javelin throwing, skiing and photography. Lannes future plans include spicing his social life with a few dashes of EE at the above address.

Electrical Engineering



JIM RAMPACEK



LEE RENGER



ARTHUR RUBIN



KEN SCHOLTZ

Ken is another Caltech student who easily fits Norman Cousin's category of college students violently interested in the world about them. Ken served on the YMCA's Man and Arts Commission, and at the same time contributed a fair amount of literature to Farrago, Totem (as editor), and the California Tech (as a columnist). He was also active in speech and dramatic, and was a member of the happy-go-lucky MUN delegation for two years. Ken's political flair was demonstrated by election to the Presidency of Blacker House.

Ken reached EE via Physics, and next year he will carry optionchanging one step further when he starts law school.



KEITH TAYLOR

Since the time he took apart a phonograph and couldn't put it back together again, Keith has dedicated hmiself to becoming an EE who could construct things with his hands. To achieve the first objective, he came to Caltech and became a member of that select group of "I started in EE" men. To achieve the second objective, Keith was active in the student shop, and served as its secretary for two years. When not pursuing his chosen goals in life, he was swimming, propelling volleyballs or consuming alcohol. Because he has lost faith in women, Keith's choice of grad schools has been simplified. If he regains his faith, he will journey to Stanford, and if he does not regain his faith, he will remain here.

SAMUEL TROTTER



GUSTAV WASSEL

A refugee from the other side of Huntington Drive, Gus came to Caltech as a junior with a wife and four years in the Air Force to his credit. His first two years were spent at East Los Angeles Junior College. Another studious EE from Throop Club, Gus was elected to Tau Beta Pi during his senior year. Gus's future plans include a summer job with a local electronics firm, and then graduate work either here or at Stanford for an M.S. in EE.



LARRY WEILL

A genuine Californian from Long Beach, Larry interrupted his pursuit of swimming, surfing and boating, to study Physics at Caltech. His long-standing interest in Ham Radio got the better of him however, and he became ROIC Communications Officer, joined the IRE, and changed to the EE option. A romantic at heart, Larry spends his spare time daydreaming of long cruises to far-away places, or strumming energetically on his guitar. His facility with this instrument and his devotion to "authentic classic guitar—not folk tunes" have earned for him the title of "The Segovia of Fleming House!"

Larry's immediate plans include an MS in EE at Caltech, and then a long-awaited trip to Tahiti and the Tuamatus Islands 'before youth is spent."



FRANK WEBER

Frank is the boy who kept headline writers at the California Tech up until 3:00 a.m. wondering how to announce to the world that Caltech had a singing mailman majoring in EE. Frank came to Caltech in Sep-tember of 1958 to finish the last two years for his engineering degree. Upon his arrival, this grayhaired marvel quickly earned the admiration of everyone by being one of the few guys who actually did all of the homework. Frank's efforts were not without reward, and his very impressive record led to his election to Tau Beta Pi. With a wife and two kiddies to his credit, Frank had no worries about his homework interfering with his social life, but it did take away just a little time from his other lovesinging and guitar playing.

Frank looks forward (as does his family) to a slightly less hectic life as an electronics engineer, a job which he will start upon graduation.



A native Californian, Jerry was best known as a dedicated school swimmer, having put his talent to work for the frosh, varsity and interhouse teams. Although an EE and a member of IRE, Jerry joined that small group of humanities snakes by doing outside reading in economics and political science. If you are interested in the latest of political mudslinging, just get this boy to talking; then try to get him to stop. Next year will find Jerry here in EE grad school. Then, if he can remain single (it is difficult these days) he plans to take an extensive tour of Europe during the summer of 1961. As a crowning touch, he plans to attend business school.





DON WILSON

"Pappy" is one of the few members of the Class of 1960 who can claim having been at Caltech in 1953. He started as a normal bouncing freshman, only to decide that the Navy was too fascinating. After a three-year tour of the world, Don returned to Caltech as a member of the class of 1960. Aside from diligent study of EE, he was a Football Manager, and was elected Secretary of Dabney House. One year of life as the oldest, unmarried Dabney Secretary, convinced him of the necessary course. His future plans now include marriage.



Civil Engineering

MEL HOLLAND

Mel was among the most athletically minded members of the Class of 1960. He played frosh and varsity Football and Basketball during all four years. He also paced Caltech at the other end of the Tournament Park with two years on the Baseball team. Finally, Mel started out on his athletic career by running for the frosh Track Team, When not demonstrating his athletic prowess, Mel divided his time between the ASCE and his wife.

Mel will return to Caltech in the fall for graduate work in CE.

BRENT BANTA

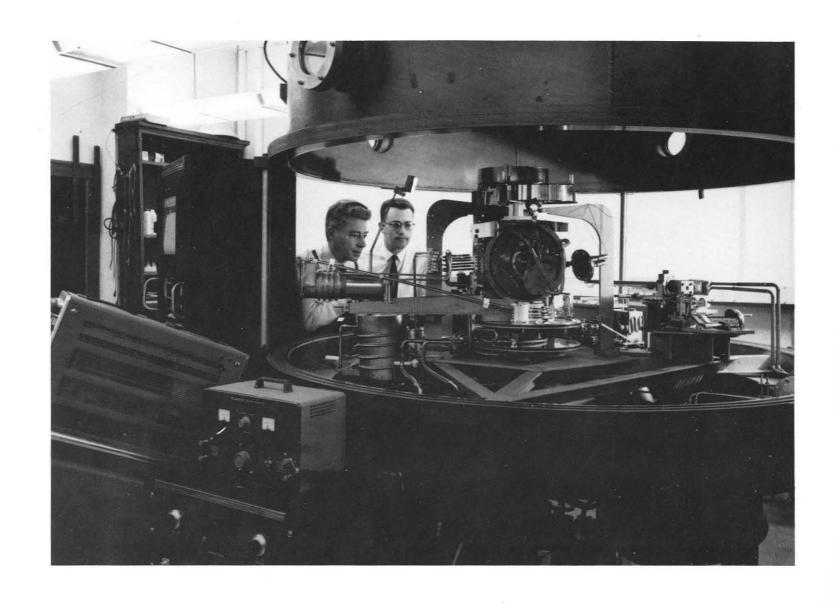
Possessing powers far beyond those of mortal men, Brent went through a total of four options during his stay at Caltech. In reaching the chosen field of CE, he progressed through Physcis, EE and ME. As a Civil Engineer, Brent found his true vocation, temporarily, and he spent a year as President of the ASCE chapter. Along the way, Brent was active in Frosh Tennis and Soccer. Also a talented author, he won both the ASCE Mead Paper Prize and the Humanities Department MacPherson Paper Prize. The subject of the latter paper, English Literature, has become Brent's new love. Next year he will continue his academic wanderlust, and do graduate work in English Literature.





MARTY KAPLAN





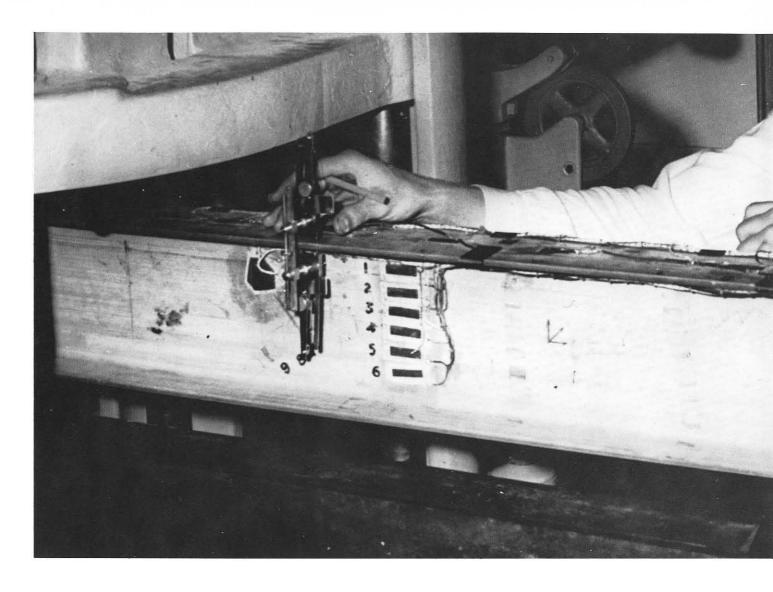
Physical Metallurgy



LOU TOTH

He came from Eaton, Connecticut, and he is on his way to Greece. Although Lou's Hellenism is only a recent development, it seems as though it will have a significant influence on his future. Lou has been very successful at Caltech, socially as well as academically. He climbed the ladder of house politics as comptroller, social vice-president and finally as president of Dabney. He has also been active in many school activities such as the "Y" and Tau Beta Pi.

Lou's future looks very colorful. He plans to spend the next year in Austria with frequent vacationing in Athens at the side of his Helen of Troy. Following these adventures Lou wants to go to graduate school and later work in underdeveloped countries (Greece . . .?).



ROBERT EGLINTON

South Pasadena is a town which very modestly indicates its location along the freeway. Since the age of four, Bob has had an inferiority complex about that twenty-foot hedge. He has always dreamed of ways to pass it in the shortest possible time. The solution was obvious; he took up sports car racing. Along with Bob Norton, he became the most fanatical sprots car enthusiast at Caltech since the days of Jim Hall. During the past year he raced a Formula III car and served as Secretary of the SAE.

TOM BOWMAN

Tom is from near Frisco town, in Burlingame, California. His path at Caltech has been fairly straight and narrow, at least straight and narrow enough to put him into Tau Beta Pi. However, sailing has a certain fascination for him, too, and he is Race Commodore of the Caltech Sailing Club. He plans to continue his work in Engineering here.



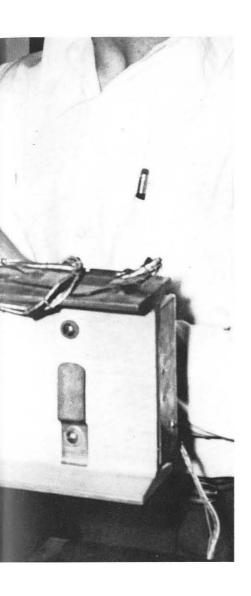
Mechanical

KEN DINWIDDIE

Once upon a time, a girl in Dorsey Hall at Scripps, had a dream. If I should be foolish enough to marry a Caltech boy, what should he be like? He should come from California so that he will be handsome. He should be suave enough to like Hi-Fi, artistic enough to enjoy photography, and sufficiently daring to drive an MG. He should have a bit of idealism—say start as a chemist—but should also be practical and graduate as a good, solid engineer. He should be talented—an actor, a good public speaker—the MUN, and melodious—the Glee Club. Finally, he should appreciate me—say as a House or ASCIT Social Chairman, or better still, both.

When the girl from Scripps awoke, she decided that such a dream was not foolish after all. Alas, she was too late—the President of Toll Hall had already married him.

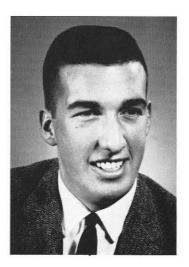




Engineering



DOUG McLANE



BOB NORTON

MARTIN WOLFF

During his senior year, Marty served as Head Yell Leader. He took his job seriously; he yelled. Also during his junior year, Marty served as Throop Club Social Chairman. Again he took his job seriously; he married. The latter event involved a girl named Margie, and during his senior year she won out over the more mundane items as "favorite habit and vice."

A native of Cedar Grove, West Virginia, Marty travelled clear across the country to become engrossed in ME. He maintained his interest by serving as Secretary of the ASME. Marty plans to keep up his interest one more year—a Master's degree—and then relax for the next eighty years.

year





HERM HARTUNG

A second member of the group of academic whiz kids from Burbank, Herm also found time to spark Caltech athletically as a three-year leterman in both Baseball and Football. His academic success was rewarded with election to Tau Beta Pi during his senior year. Herm extended his enthusiasm for ME by serving as Chairman of the ASME chapter for two years. He was also a member of the ARS and SAE, An inhabitant of Throop Club, Herm notes as his extracurricular interests, a leaning toward "sports and racing cars" and a marital status of

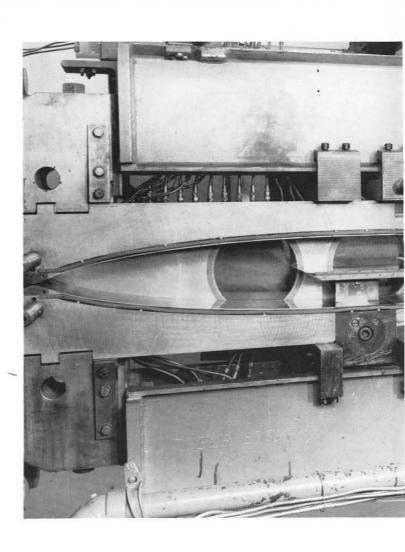
esis, a rearing toward sports and racing cars" and a marital status of "SINGLE." (his emphasis)
Herm will return here in the fall for an MS in Jet Propulsion, and then will continue on to industry.





ROBERT CHAMBERLAIN

Here is one of the last two members of a species—Chairman sociala, Throop clubus. Bob spent his first three years in preparation for such distinction by being both a member of dance class and of a square club, and by dating girls. In his spare time Bob managed to join ASME, be a member of the ROTC rifle team, and be captain of the Throop bowling team as well as play bridge, drop ideas of being an EE-ME after taking EE 1a, and sleep occasionally. Before continuing on for a M.S. here at Tech and for three years in the Air Force, Bob wishes to leave a word to the frosh, "If you don't know how to play bridge now, don't learn."



Aeronautical

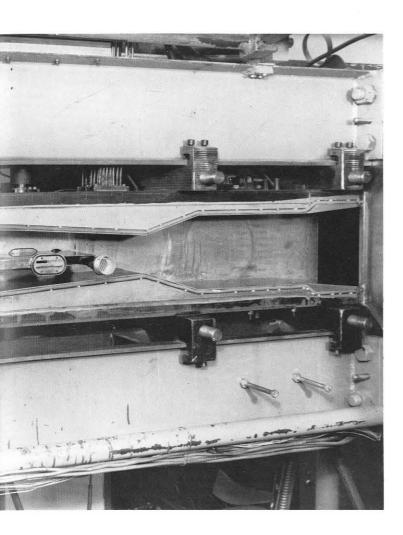
Engineering



HAROLD GIER

Hap spent his boyhood in Manhattan, Kansas, watching the transcontinental planes pass overhead. The result was an intense interest in aviation, an interest which produced Blacker's most avid AFROTC cadet. Hap rose through the ranks to the position of Lieutenant and hallowed commander of Flight B. An extracurricular interest in dramatics led him to be the only AFROTC officer to sport a beard all spring. Hap played the part of Pa Allen in the ASCIT play, "Dark of the Moon." He was also a member of the ASME and the band.

Hap's future plans include graduate work at either Stanford or here, and then some time in the Air Force.

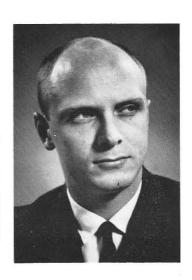


ROBERT KOH

The senior member of the bearers of this rather popular name at Caltech, Bob travelled here from far away Hong Kong. The long boat rip had three effects: he took up photography to capture the ocean's beauty, became interested in fluid mechanics so as to learn the cause of the waves, and majored in aero, nautics so as to learn about a faster way of travel. The latter interest was sufficiently intense so that Bob's work won him election to Tau Beta Pi. However, the waves still fascinate him and Bob's future plans include a PhD in Fluid Mechanics.

FRANK GREENMAN

The fact that Frank had acquired a taste for good beef in his hometown Nebraska, has seriously Omaha, hampered his enjoyment of Student House meals, even though he is famous for not being one to gulp his food down. For being the shining light of the house, Frank takes the cake. He is Business Manager of an extremely successful Glee Club, and active in ASME, not to men-tion the Beavers (Vice President) and Tau Beta Pi (President). With a degree in Mechanical Engineering, Frank plans to get a Master's in Business Administration at Harvard or Stanford, and then on to bigger and better things, one of which will certainly include marriage.



RICHARD JENSON

One of the great wonders of the world, Dick is a Throop Club member who has managed to resist Bridge for four years. He has also served faithfully with the ROTC rifle team as captain and member, and with ASME as treasurer. In order to prove that it is possible to mix independence with conformity, Dick has not changed options, has been a member of the Desert Club, and has made a hobby of rock climbing while being a member of the student shop, liking classical music, and remaining single. It looks as if his future will get off to a good 'start with grad school and Air Force time.



DAVE MITCHELL

Dave came to Tech from Seattle and apparently, warm Southern California has been quite good for him, emotionally that is. Dave has excelled in several activities, glee club, water polo and swimming teams, but his single greatest accomplishment is the 'Home Queen' he has found. Julie and Dave have been married for a year already and will soon be proud parents. Dave plans to serve Uncle Sam in the Air Force for the next three years, probably to be followed by work in industry.

JIM WOOSTER

Woose came to Tech from Bartlesville, Oklahoma, the original trip being uneventful since that was before he owned a car. Upon arrival, he sat down at the piano and played "Malaguena", thereby becoming senior among House's many "Malaguena" Ricketts House's many "Malaguena" players, in terms of tenure if not total plays. Jim retained his popularity and good humor despite being Headwaiter, dispensing Okie humor with an Okie accent along with his meal counts. He is a member of Tau Beta Pi, the Beavers, and the ASME. Future plans include grad school, finances permitting.

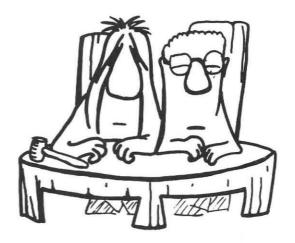




CARL MORRIS







Student Government



Tom Jovin ASCIT President



Tom Tebben ASCIT Vice-President

Board of Directors



Bill Bauer ASCIT Secretary

The Board of Directors, left to right: Bob Koh, Ken Casey, Hugh Kieffer, Tom Tebben, Tom Jovin, Bill Bauer, Carl Gottschall, Carl Morris, Dick Norman.





Carl Morris **ASCIT Treasurer**



Hugh Kieffer ASCIT Activities Chairman



Dick Norman **ASCIT** Business Manager

Contrary to the sentiment expressed by many of today's magazine writers, American students can get politically incensed. The BOD discovered this fact when a torchlight procession snake-danced their way into the final BOD meeting of the year. In true democratic style, the meeting was held outdoors on the new veranda of the Alles Laboratory. The students came to protest a conservative attempt to renumber the articles of the ASCIT Constitution. Students in Japan please take note.

This was the year of the globe-trotting BOD. In some of their previous excursions, the nine stout men of the BOD shed their coats and ties and brought the meetings into the house lounges. The trend towards demonstratably open and informal meetings met with some success in encouraging active student body participation in BOD debates. The presence of recognized experts on the topic of the evening was also effective-witness the turnout when the Scripps and Pomona Social Chairmen came to discuss the Frosh Tea Dance.

Among the accomplishments of the BOD during the year, was a basic revision of the charities drive. Instead of endorsing three nationally established charities, the emphasis was changed to a single charitable effort whose results might be more immediately meaningful to the Caltech student. This year the ASCIT charity drive was held during the spring term and it attempted to provide aid for college students in Hong Kong. Under the able direction of Chuck Brooke and Bob Koh, this

met with success.

One of the treoretically pleasant problems facing the BOD this year was the ASCIT surplus. During the spring term this year's BOD thoroughly analysed the proposal of purchasing a ski cabin near Mt. Baldy. After some lively debate, the conclusion was reached that a majority of students did not favor the venture. Other proposals for dealing with the surplus included a joint radio station with PCC and a voluntary contribution to the furnishing of the Winnett Student Center. The former did not work out, and the latter was still under consideration at the close of the year. As a result the surplus still exists, and that portion of it which was put to use during the year (the drama club has new lights) accomplished some useful purpose.

One of the stormier meetings of the year was devoted to a discussion of the Loyalty Oath associated with the National Defense Education Act. After much debate, the BOD placed the Caltech student body on record in a relatively mild way as opposing the loyalty oath provision. This move was challenged on the grounds that the BOD lacked the right to take such a stand in behalf of the student body. The question was settled practically if not constitutionally, when a student body poll showed roughly a three-to-one sentiment

against the loyalty oath provision.

All in all, Tom Jovin's gay caballeros produced a

lively and active BOD during the year.

Carl Gottschall ASCIT Athletic Manager



Ken Casey ASCIT Social Chairman



Bob Koh ASCIT Representative-at-Large



Board

of Control

A Saturday Evening Post article on the subject of college cheating pointed to that small group of schools where the students had lived for years under a selfimposed honor code. The Caltech student may consider himself fortunate to know that he attends such a school. The BOC is the group charged with the enforcement and interpretation of the Honor System at Caltech. During the year, this group functioned under the direction of the ASCIT Vice-Presidents, Tom Tebben and Clyde Zaidins.

The Caltech student is sufficiently realistic to comprehend that he does not live in a perfect world, and consequently there were several challenges to the BOC which met with vigorous discussion, both pro and con. Lance Taylor and Roger Noll, writing in the California Tech, raised certain questions concerning the selection of BOC members and the maturity exercised in the operation of the BOC. A reply in the views of people connected with the BOC, was given by Bill Bauer and



Tom Tebben, Chairman of the Board of Control and Skip Stenbit, Secretary of the Board of Control.

Clyde Zaidins, who contended that the current procedures provided a valid and workable solution in administering the Honor System.

One of the major actions taken by the BOC during the year concerned master keys. Reversing a previous decision, the BOC concluded that the possession of master keys represented a violation of the spirit of the Honor System, in spite of any apparent justification. A letter was circulated late in the third term, requesting that these keys be turned in. The response was generally favorable. Some conflicting opinions were raised, however, and at the close of the year the question was by no means closed.

In spite of these differing views on the detailed application of an honor code, in a year in which the major events on the American moral scene were exposes of quiz-show rigging and payola, it is comforting to know that the spirit of the Honor System still pervades Caltech.

The Board of Control, left to right: Larry Rabinowitz, Mike Perlman, Skip Stenbit, Tom Tebben, Karl Pool, Pedro Bolsaitis, Bob Thompson, Tom Jovin. Not Pictured: Don Forrest, Bill Howard, Dean Gerber, Chuck Brooke, Carlos Johnson.





Left to right: Dave Nissen, Bob Koh, Marty Carnoy, Clyde Zaidins, Tom Jovin.

Executive Committee

Excomm was established two years ago to provide a group for the discussion of major policy questions facing the Caltech student body. In line with this purpose, the first Excomm carried out an extensive survey of Caltech student attitudes. This year's Excomm was faced with the formidable task of analysing and attempting to correlate the large amount of data which resulted. After an extended evaluation of the material, the apparent conclusion was the great difficulty of making any generalizations about the Caltech student. Both the statistical tabulation and the transcript of essay answers was published, although neither had received a wide circulation at the end fo the year.

Due to certain necessary changes in membership, Excomm was limited in the extent to which it's discussions were publicized. However, Excomm did make its conclusions known on three major issues during the year. The result of a discussion on rotation was written up in an article in the **California Tech**. The general tenor of a discussion on Caltech social life was expressed in a well publicized column by the Excomm Chairman, Marty Cornoy. Finally, the letter concerning master keys reflected some details suggested by Excomm.

In a year of personal diplomacy among heads of state, the IHC continued its pioneering spirit in this field. Its major achievement consisted of a new record for sweetness and light among the Houses. To counteract any overenthusiasm following this years rotation, the IHC established an Interhouse Exchange Plan. At various times during the year, several pairs of students from different Houses swapped rooms for periods of a term and more.

In a sensible effort to keep arguments concerning the new Houses from embroiling the IHC itself, two subcommittees were established. Under the general chairmanship of Lee Hood, the two groups on Population and Rotation handled their difficult jobs in an admirable fashion.

Finally, in anticipation of a fourteen-member IHC next year, the representation in the IHC was reduced to House Presidents only. In addition, both the eligibility for IHC President and the group who elects him were changed from the IHC alone to all House members.

Doug McClane served as IHC President during the past year, while Doug Shakel produced the humorous and infrequent IHC minutes.

First row, left to right: Brad Efron, Fletcher Gross, Ken Scholtz, Lou Toth, Doug McLane. Second row: Doug Shakel, Doug Dunham, Bob Wax, Pedro Bolsaitis, Clyde Zaidins.

Interhouse Committee



New Officers



Left to right: Chuck Brooke—Representative-at-Large, Bob Juola—Athletic Manager, John Golden—Business Manager, Clyde Zaidins—Vice-President, Bill Bauer—President, Dave Pritchard—Secretary, Sid Leibovich—Treasurer, Carl Morris—Outgoing Treasurer, Tim Litle—Social Chairman, Dick Norman—Activities Chairman.

The end of February marked the annual election of ASCIT officers. The **1960 Big T** is editorially proud to note that it formed a part of the campaign platform of no less than four candidates (two of whom lost).

In a closely contested campaign, Bill Bauer, the outgoing ASCIT Secretary, defeated Cleve Moler, the outgoing Editor of the **California Tech** for the ASCIT Presidency. Joining Bill on the new BOD are Clyde Zaidins, Vice-President; Dave Pritchard, Secretary; Sid Leibovich, Treasurer; Dick Norman, Activities Manager; John Golden, Business Manager; Tim Litle, Social Chairman; Bob Juola, Athletic Manager; and Chuck Brooke, Representative-at-large.

Some indication of the tenor of the new BOD was given on opening night by Clyde Zaidins, who innocently questioned each member of the board, "Are you a liberal or a conservative?"

During a week occupied with the formal and informal aspects of diplomacy, Caltech's twelve-man Israeli delegation scored far-reaching successes at the Model United Nations. Under the leadership of delegation chairman, Cleve Moler, the Israelis scored an initial diplomatic victory when they voluntarily withdrew from an Afro-Asian caucus "in order to allow for constructive discussion of world problems instead of petty power politics." Then, in an impressive display of cocktail diplomacy,, the Israeli depegation managed to line up enough votes to pass favorable resolutioons on subjects ranging from the Arab Refugee situation to the free navigation of the Suez Canal.

For a description of the true spirit of the MUN, we must turn to Marty Carnoy's account in the California Tech

"The 12 Caltech men who went to the MUN, went with high hopes and a driving idealism; although crudely prepared for the actual politicking, their general feeling for the Israeli situation gave them a decided advantage over the representatives of less interesting countries. However, it soon became evident . . . that . . . all this was unnecessary. The real progress of the MUN, it turns out, is not measured in resolutions passed in the General Assembly, but in fifths . . . "



Model United Nations



The ASCIT Winter Formal at the Codoro Room of the Beverly

A. S. C. I. C. Formal

In a dramatic break with the past, the ASCIT Spring Formal became semi-formal and also appeared in second term. This year's edition was under the direction of ASCIT Social Chairman Ken Casey and it had as an additional feature, bids at the price of \$0.00. This incentive, combined with the music of Hal Lohman's band,

provided a very enjoyable evening for all.

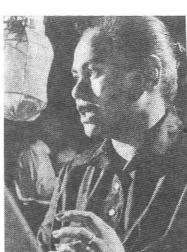
Because of the change, the Frosh-Soph Hop, originally designed as something for the youngsters to do, became the major event one fine spring weekend. The freshman class had the honor of staging this event (see pages 68 and 72 for details). Under the able direction of Hank Abarbanel, the theme of "Pink Champagne" was very tastefully carried out. Music for this event was furnished by the Verne Boyer band, playing in a transformed Dabney Lounge.

The Second Annual Caltech Jazz Concert took place at the Pasadena Civic Auditorium on October 31, 1959, and was a rousing success both musically and financially. The performance featured the Dave Brubeck Quartet of Playboy and State Department fame. Also appearing, were the Arthur Lyman Quartet and Andre Previn. Previn is considered one of the outstanding modern jazz composers and is best known for his jazz scoring of "My Fair Lady." Rounding out the program were singer Mavis Rivers, and Bill Stewart, a KMPC disc-jockey, who appeared for the second year as the master of ceremonies.

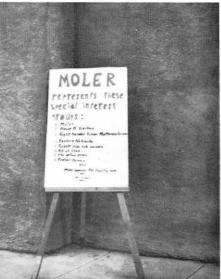
Andre Previn and Mavis Rivers, both soloists featured at the Jazz concert.

Jazz Concert













Choosing our elected officers, left to right: Dave Drummond, Randy Schmus, Jimmy Hoffa, Dave Beck, Bart Maverick, Mickey Lindner, Dave Turner.

Under the chairmanship of Randy Schmus, elections were carried out with a maximum of bribery and ballot-box stuffing. These nefarious practices were limited only by the campaign treasuries raised at the election rally. Experienced political analysts talked of a well trained electorate when the election rally outdrew an economics lecture, three to one. Discipline slackened towards Election Day, however, for only 70% of the student body remained faithful to the machine and remembered to vote. For this inefficiency, three members of the election committee were guillotined.

Other corrupt practices exposed by the Senate Committee on Caltech included: an appeal to special interest groups by a presidential candidate, a campaign directed towards the hoodlum element by a candidate for secretary, and a radical insinuation by certain candidates that something was wrong with the **BIG T** just because it appeared eight months late. The yellow journalism lobby saw to it that such idealistic reformers were elected to minor offices like President and Treasurer.







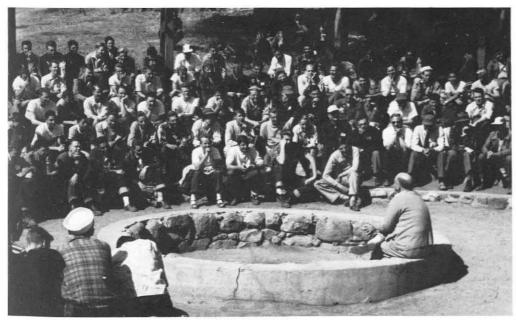
Student Camp

The 1959 edition of the New Student Camp followed the efforts of its loudest yeller and head cheerleader, Carl Rovainen, in emerging as a howling success. In the second year of the new New Student Camp, the Frosh went into their discussion groups to reflect upon talks ranging from Dr. Dubridge's opening address to Ray Owen's kind analysis of Caltech attitudes. Professor Owen attempted to analyze the causes of upperclass apathy and cynicism. His conclusion is well worth remembering for Caltech students one, two, three or more year removed from Frosh Camp: "You don't need to appear uninterested in science and engineering in order to appar interested in other things. You can remain enthusiastic about your fields of study and still be a well-rounded individual."

In other late-September innovations, that time honored day spent in reading and psychological tests was replaced by a ("American colleges must beware of the emphasis on athletics") swimming test. To settle once and for all the question of whether all Caltech students appear ugly in their Frosh pictures, the entire collection of 186 was published and Dean Strong is still soliciting replies.

Cleve Moler Joel Tenenbaum









Senior Class Officers

In view of the evidence above, by a vote of the editorial staff of the 1960 Big T, the following rulings are made for posterity:
(1) The Class of 1960 set a new modern record in

winning three consecutive Mudeo's

(2) The Class of 1960 did not win the Mudeo for four consecutive years

(3) The Class of 1962 did win the Mudeo held this year. Historical Note: the editorial staff of the 1960 Big T included

3 members of the Class of 1963

6 members of the Class of 1962

2 members of the Class of 1961

0 members of the Class of 1960





Doug Stewart - Secretary, Ben Burke - Treasurer, Chuck Ray - Athletic Mgr., Karl Pool - Board of Control, Larry Sloss - Vice-President, Stan Sajdera - President, Don Forrest - Board of Control.

The Class of 1961 started the school year by becoming upperclassmen. While there was great rejoicing and some drunken browling to celebrate the beginning of a new era, the majority of Juniors celebrated their elevation in status by adopting a simple, quiet dignity, and a renewed hate for freshmen and such like things.

The officers of the class, elected in the grand old American tradition of "let George do it until I am a senior," immediately set to work. They brought threats of physical violence to bear against the Sophomores in order to get the "T" on the San Gabriel Mountains cleaned. They hired a tractor to dig the Mudeo Pit. They forced the president of the Senior Class into hiding for a week and a half and finally had him doused in the goo of a mud pit. They parked the tractor in the Athenaeum Parking Lot, where it received a personally autographed ticket from Officer Newton. They took the tractor to Bob's drive-in, where they posed as frat boys from PCC. They missed the only Class meeting of the year. They neglected to pay the bank at the Junior-Senior Prom. They were not re-elected.

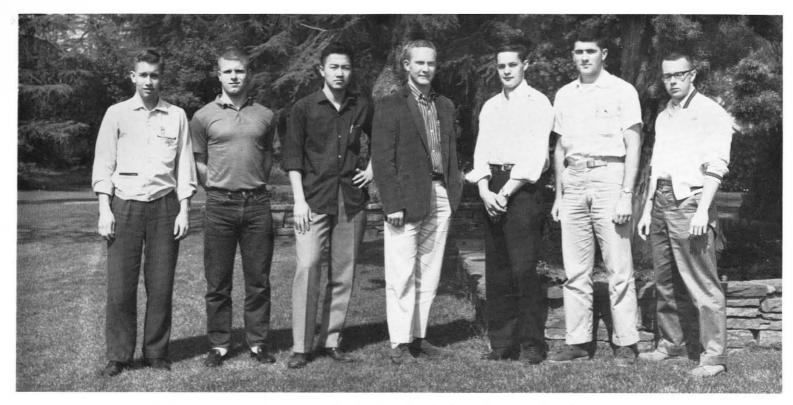
There are memories of being a Junior for the first time — in some cases the second time. There are memories of P. Chem. and EE 1 and Ph 107 and girls and being a UCC and running for an office and winning and losing and really not caring. But the end of your Junior year is the nicest time of your life at Caltech, for it is the first time when the prospect of your next year at the school is complete, when there are no unknowns in store for you.

But its also a good time to worry about grad school, the armed forces, the girl back home and whether they really will take away your scholarship next year.

Junior Class Officers

Don Forrest - Board of Control, Stan Sajdera - President, Karl Pool - Board of Control.





Rich Harris - Treasurer, Art McGarr - Secretary, Dick Chang - Vice-President, Carl Hamilton - President, Bob Juola - Athletic Manager, Dean Gerber - Board of Control, Bill Howard - Board of Control.

Sophomore Class Officers

Dean Gerber - Board of Control, Carl Hamilton - President, Bill Howard - Board of Control.



The charter members in the "over 200 Entering Frosh" club, the Class of '62, cheerfully spent their sophomore year initiating the Class of '63 into the wonders of Caltech.

As the last class to enjoy compulsory culture during the sophomore year, the Class of '62 demonstrated a willingness to cooperate with their gracious hosts in geology, biology and astronomy. When an "often wrong but never uncertain" geologist offered a bet on the occurrence of earthquakes during the term, the class took up the challenge and wound up supplying him with liquid refreshment — and at a very opportune time (see pages 68 and 72). When a "you are a living, breathing, pulsating carrier of DNA" biologist scheduled a "takehome lesson," the class showed up en masse — to find that he had in fact gone home. Finally, when a precise astronomer indicated that "someday dress attire at astronomy lectures would reach the point of bathing suits," the class complied — and heard the interesting fact that if a star goes faster than the speed of light, it falls off the edge of the universe.

However, the Class of '62 found its greatest triumph in the Mudeo, and a slightly prejudiced **BIG T** staff has properly chronicled this event elsewhere. (See page 72 as a start)



Left to right: Warren White—Secretary, Jim Sagawa—Treasurer, Larry Rabinowitz—Board of Control, Art Robinson—President, Jim Morrow—Athletic Manager, Chuck Brooke—Board of Control, Carlos Johnson—Board of Control.

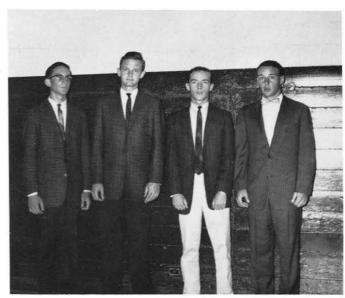
In an event with vast implications for the future stature of class vice-presidencies, the first term Frosh President, Ron Drwinga, was academically assassinated. Art Robinson, Vice President, took over and did an excellent job of guiding the class until second term elections.

The Caltech class with the highest entering average in English, the Class of '63 studied the old junior English course in literature. Next fall the Class of '63 will reap some non-academic benefits when they consider whether or not to help members of the Class of '62 with their English homework. The Class of '63 also proved themselves a spirited class in school activities, the most notable event being the Frosh-Soph Hop held during the third term. Although the Forest Service vetoed the annual cleaning of the "T", the Class of '63 will gallantly see to it that this deed is accomplished by the Class of '64.

Other first team appointive officers included Carlos Johnson and Chuck Brooke, Board of Control; Jim Morrow, Athletic Manager; Jim Cloutier, Secretary; and Jim Sagawa, Treasurer.

Freshman Class Officers

Larry Rabinowitz—Board of Control, Art Robinson—President, Chuck Brooke—Board of Control, Carlos Johnson—Board of Control.





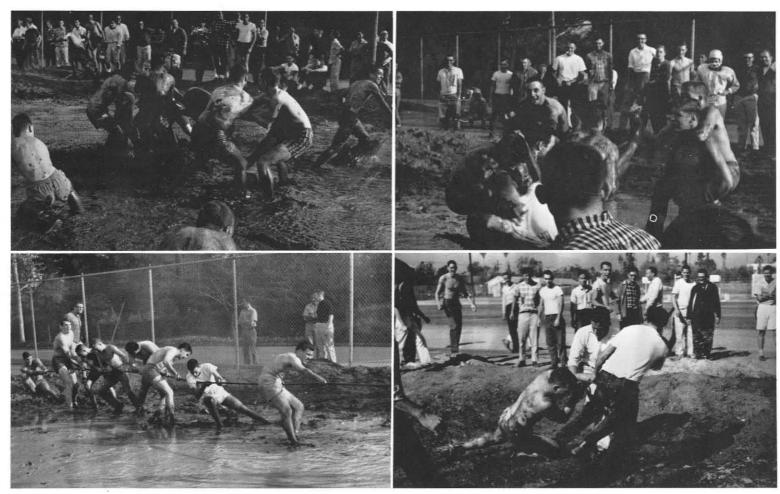
М и д е



The 1959 Mudeo marked the first one ever seen by the Class of 1962, and the first one ever lost by the Class of 1960. The latter group came into this years event with victories in 1956 and 1957 as Frosh and Sophomores, and a moral victory as Juniors when the 1958 Mudeo was chilled out.

From September to November, they schemed on ways to gain their fourth consecutive victory. As a start, they kidnapped Frosh President Ron Drwinga and Sophomore Carl Hamilton. A week later, Senior President Jim Sorenson led a group which purchased an old car, painted it suitably, and deposited it in the Tournament Park mud pit on the night before the Mudeo. The next day, much underclass muscle power went into removing the car and the Mudeo went off on schedule.

In the contests, the Frosh and Sophomores each won two events. The judges then ruled that a fifth event, consisting of throwing Jim Sorenson into the mud pit, would be the deciding one. With the enticement of some student-supplied liquid refreshments, the 11:00 o'clock Sophomore lecture was reelased 15 minutes earlier the next day. For the final results of the Mudeo, see page 68.





Royalty, left to right: Princess Georgia Jones, Princess Heather Goss, Princess Natalie Johnson, Princess Judy Rockley, Queen Sue Tangen.

Homecoming Queen

"Why Bobby, what ever gave you the idea that we didn't have big-time football at Tech? I can still remember the Homecoming Game against Harvey Mudd. That

was away back in my sophomore year.

"Of course it was played at the Rose Bowl. That was where Caltech played all its winning games. Yes, they were a new school. We defeated them for the second year in a row — 14-12 was the score. It was a tight one. Oh it made them a bit unhappy — but it sure perked us up. We had a couple of peppy sophomores — Arndt and Hascall — the two of them accounted for both our touchdowns. Hascall scored on a tremendous 96 yard run. Arndt put the game on ice by pulling down a pass from the quarterback, Holland.

"And the halftime ceremony — the Big Ten had nothing on us. Half our princesses turned down invitations to become Rose Queens. For weeks before the game, the campus buzzed with nothing but sets of numbers. Why those gals devastated even the Math majors. There were Natalie Johnson and Heather Goss from PCC. One danced the Charleston and the other played

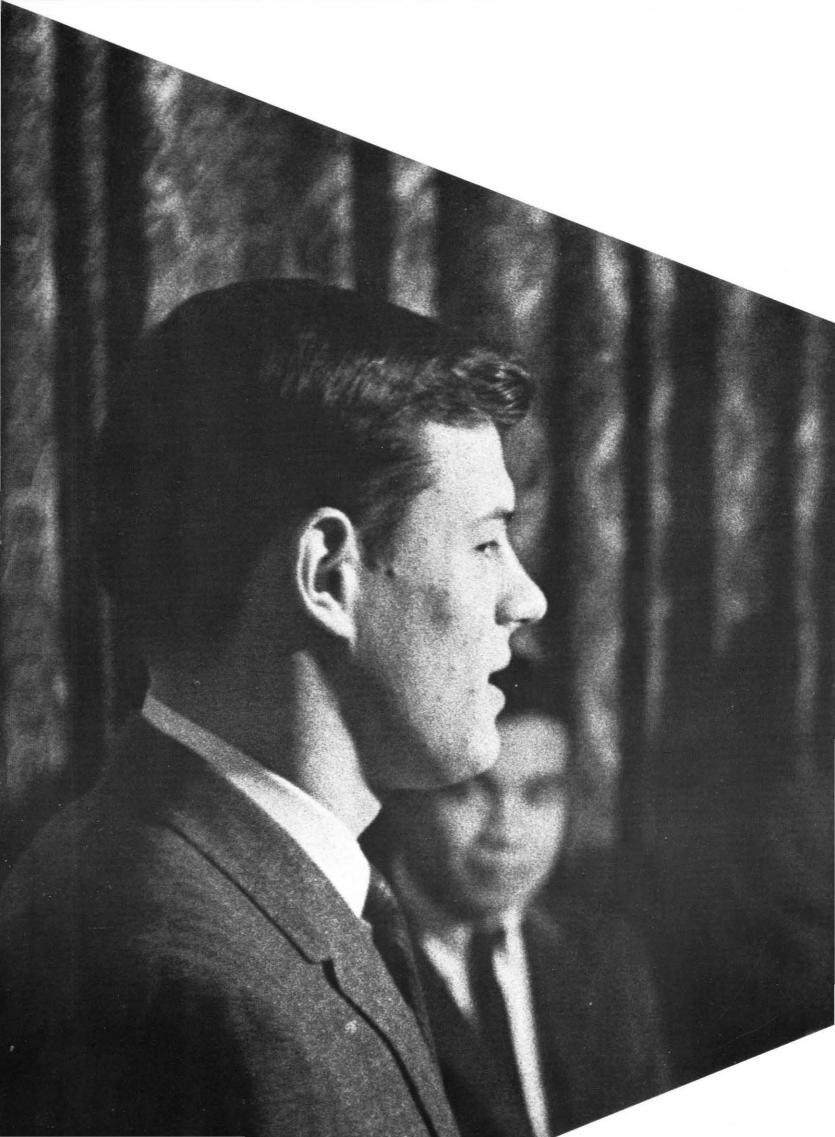
schoolm'arm. Then we had a girl straight out of an office in Bridge. Judy Rockley was her name. Seven people transferred from EE to Physics just so they could go into her office that week. And we didn't stick just to Pasadena. We had the cutest southern gal from Scripps. Georgia Jones was her name. She was sweeter than a — well in one of your own terms — a Venusian peach.

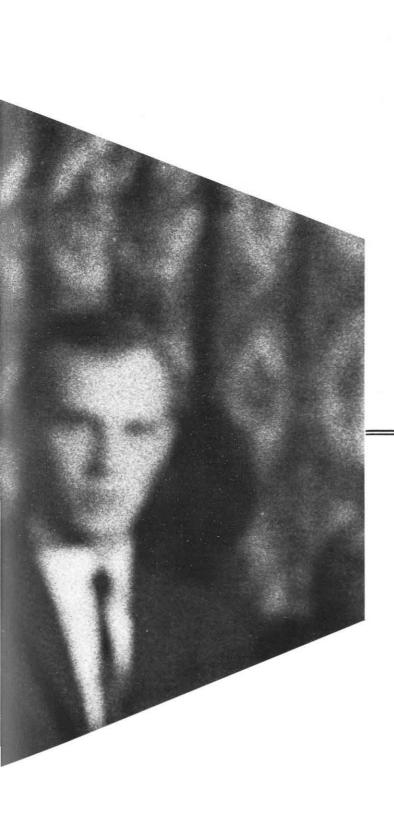
"The Queen was Sue Tangen. She had blonde hair right out of a fairy tale. She even played chess. At half-time, Sue was crowned by the Senior Class President, Jim Sorenson. Boy they looked impressive on that sparkling

white convertible.

"And going home . . . we had more cars than there were people in either student body. You should have seen what that did to the Rose Bowl parking lot. Almost like New Year's Day.

"What time did we get home? Well, you see Bobby . . . I didn't actually go myself . . . Geology test coming up the next week. But my roommate went. He said it was a night you'll never forget."







= Activities=

California Cech



Taylor, Sarnoy, Noll, Moler and Todoroff in editorial conference.



Cleve Moler, Editor



Neil Sheeley and Bill Mock, Business managers

The California Tech, the only yellow rag printed on white paper on this or any other campus, had a typically glorious year this year. Leading the festivities was Cleve ("they just fade way") Moler, somewhat assisted by Editorial Board members Marty Carnoy, John Todoroff, Lance Taylor and Roger Noll.

The big news first term was populating the New Houses, and the Tech waded in, devoting whole front pages to clarifying the issues—at least for those who cared to read the stories. Similar insight on the part of the news department was shown as they scooped the world in announcing the future SAGA food regime, and the eventual winner of the belated Mudeo (It was the sophomores—remember?)

On the feature side of the ledger, Carnoy kept grinding out arcane columns every week, and Efron produced funny ones. Rovainen's cartoons confused everybody, even their creator. And then the sports page—Noll won highest ratings in the judging sheet which proclaimed that the Tech was an All-American newspaper, wrote a column about athletics every single week of his regime, and only had everybody mad at him once—the time a swimming story appeared under the headline: "Trackmen Slip Past UCSB."

All in all, it was a wonderful year. Next one looks about the same, with new editors John Todoroff and Tom Tisch and a whole crew of eager, useful, competent, skillful and unnamed writers, copyers, and work-fiends.



First row, left to right: Roger Noll, Lance Taylor, Cleve Moler, Marty Carnoy, John Todoroff. Second row: Pierre Sundborg, Matt Couch, Bob Koh, Lee Molho, Pete Metcalf, Ken Larsen.

Cotem



Totem staff: Ken Scholtz, Bob Wax, Jon Francis. This year the Totem won the Harriet Blumstein Award for the best literary magazine published outside of UCLA. The recipient of this award is selected by an impartial jury consisting of Rochelle Merzon.

Little ${\cal K}$



The Little K staff. This year the Little K won the Milder award for having the most logical editorial policy of any campus publication. The recipient of this award is selected by an impartial jury consisting of the staff of the California Tech.



The Little T staff: Neil Gretsky and Kerry Donovan. This year the Little T won the IHC award as the publication which did the most to foster trust and mutual understanding during rotation. The recipient of this award is selected by an impartial jury consisting of the Dabney House Executive Committee.









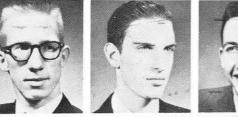
Bill Bauer Tom Bergstresser Tom Bowman



Michahel Ruecker



Larry Shampine



Philip Brooks Larry Brown Ben Burke

Cau Beta Pi





Dave Butterfield Dave Cassel John Cooper



Lowell Clark Bill Greenman Herman Hartung







Dave Loebbaka Michael Mann Jarold Meyer





Cleve Moler Carl Morris John Munson







Melvin Neville Dick Norman Robert Poe



Not pictured:

Brad Efron Kelvin Lee Gustav Wassel

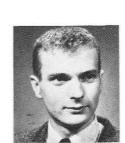
Robert Koh Roy Sakaida Frank Weber



Steve Stephens



Howard Weisberg



Lou Toth



Jim Wooster



Bill Bauer



Pedro Bolsaitis

Honor Keys



Carl Gottschall



Tom Jovin



Lee Hood



Hugh Kieffer



Bob Koh



Doug McLane



Cleve Moler



Carl Morris



Roger Noll



Ken Scholtz



John Stenbit

Not Pictured:

Brad Efron



Tom Tebben



Clyde Zaidins

Honor Certificates

Larry Brown Dave Cassel Frank Greenman Richard Harris John Lohman Bob Nason Mel Neville Carl Rovainen Stan Sajdera Lance Taylor John Todoroff

Ken Casey Doug Dunham Carl Hamilton Stan Klein Pete Mayer Dick Norman Dave Pritchard Art Rubin Larry Sloss Tom Tisch

Glee Club



Olaf Frodsham, Director



The Glee Club Quartet: George Muenich, Vladmir Baicher, Paul Weichsel, Ron Arps.

The Glee Club had its biggest season this year—topped off with a trip to San Francisco and one to Squaw Valley to sing at the closing of the Winter Olympics. Before these events, however, the singers were kept busy enough by Director Olaf Frodsham in a series of local concerts and an even longer series of grueling rehearsals.

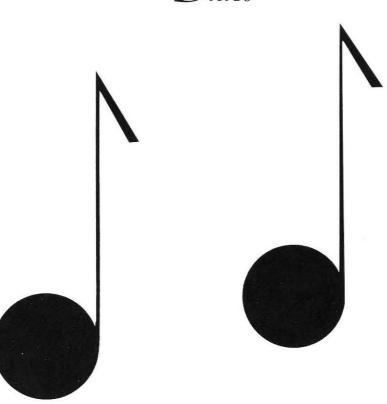
This is the Glee Club's eighth year in its present form, and it has improved every one. Five years ago, it started putting out a record album annually, and just last year the Spring Tour was inaugurated. The goals look even brighter for the future. As the Big T went to press, there were rumors about a trip to Russia, and — who knows?

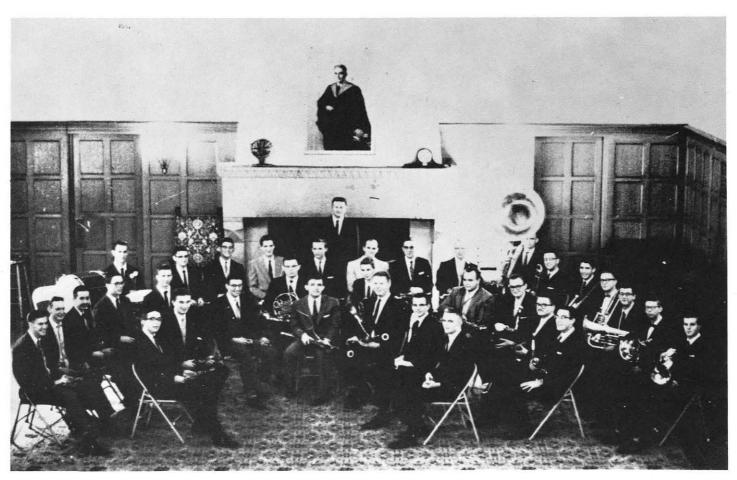
Traditional events continued this year included sponsorship of the annual Interhouse Sing (Ricketts won again) and the annual spring concert. Helping Director Frodsham push the club through all its activities were Jarold Meyer, president; Dick Jones, secretary; Carl Hamilton, treasurer; Frank Greeman, manager; and Jim Yoh, librarian.



First row, left to right: Russ Russell, Jim Coe. Barry Gordon, Dave Grimes, Ken Casey, Vladmir Baicher, Ron Counsell, Mike Perlman, Joel Donnelly, Tom Bopp. Second row: Olaf Frodsham - Director, John Russ, Dick Jones, Paul Weichsel, Pete Oettinger, Ralph Dawson, Ron Lawler, Dave Mitchell, Dave Benson, Bill Howard, Carl Hamilton. Third row: Dave Kauffman, Will Spiegelman, Bob Moore, Rick O'Connell, Lyman Fretwell, Dave Barton, Ralph Young, Larry Kugler, Christ Velline, Del Mar Curtis, James Yoh, Warren Whité, Dave Siegel. Fourth row: Lauren Merritt, Ron Arps, George Muenich, John Lohman, Bill Francis, John Armstrong, Bruce Carter, Dick Thompson, Kent Frewing, John Minor, Larry Sloss, Frank Greenman. Pianist: Garry Lorden.

Band





The Caltech Band (alphabetical listing): Brian Belanger, Tom Bergstresser, Al Bernstein, Shelby Brumelle, Ben Burke, Dave Casseres, Bob Diller, Joel Donnelly, Bill Farrell, Ron Gatterdam, Hap Gier, Steve Imrich, Bob Jernigan, Dave Kauffman, Danny Krause, Larry Kugler, Gordon Long, Mike Malley, Ken Manly, Cy Mead, Jim Nearing, Dick Norman, Eric Nummella, Dave Ollis, Ed Riggs, John Rix, Russ Russell, Jim Sagawa, Stan Sajdera, Lee Samuelson, Dohn Schildkraut, George Scott, Ollie Seely, Arch Thiessen, Bill Tivol, Christ Velline—Manager, Randy Ware, Alan Wright, Ralph Young.

Debate



Professor Dwight Thomas

The debators came through as usual this year under the able, illustrious, and low-pressure guidance of Dwight Thomas, debate coach and sometime public speaking instructor. Big winners on the team were Kip Thorne and Dave Jefferson, who won the Western Speech Association senior division in Stockton last November, and then went on to greater heights in a series of other showings.

Sort of a sideline to speech activities in general is Pi Kappa Delta, the honorary speech society. It includes several Techmen as members, and the local chapter joined in with Paz Naz College this year to sponsor a tournament and a dance. (The latter held right here at Tech.) Officers of this organization are Jefferson, president; Cleve Moler, vice president; and Thorne, secretary.



Kip Thorne and Dave Jefferson

Seated, left to right: Stan Klein, Roger Noll, Dave Jefferson. Standing: Barry McCoy, Dick Robertson, Garry Lorden, Lance Taylor, Kip Thorne, Carl Rovainen.



Beavers

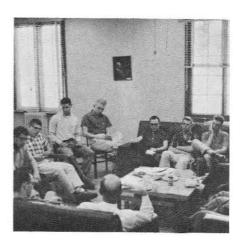


Beaver (1) is symbolic of Tech superiority in athletics and other fields. It is brought out during Oxy football game every fall, under a full guard of freshmen. (2) is a club composed of Tech men who have given outstanding service to the school.

y. M. C. A.



The YMCA advisory staff, left to right: Harville Hendrix - Danforth Intern, Wes Hershey - Executive Secretary, Allan Green - Associate Secretary.





The YMCA Executive Committee, left to right: Stan Klein - Vice-President, Carl Rovainen - National Representative, Bob Nason - Treasurer, Dave Cassel - President, Pete Mayer - Publicity Director, Bob Heath - Secretary.

Under the leadership of President Dave Cassel, Executive Secretary Wes Hershey, and Assistants Al Green and Harville Hendrix, the Caltech YMCA enjoyed one of its most successful years during 1959-60.

Heading the YMCA's program were Leaders of America visitors Norman Cousins, who spoke for world peace, and Carl Rogers, who spoke about psychology. These visitors were flanked and supplemented by myriad other programs ranging from Folk Dancing and Folk Singing groups to campus visits by Fenner Brockway, a British Labor Party M. P., and Herbert Otwell, well-known theologian. The Y was also active in social and welfare fields —

it sent a large group up to the annual Asilomar conference over Christmas vacation, sponsored the ever-popular Caltech-Scripps Conference, and sent a work party to help the residents of the Pala Indian Reservation tear down old buildings.

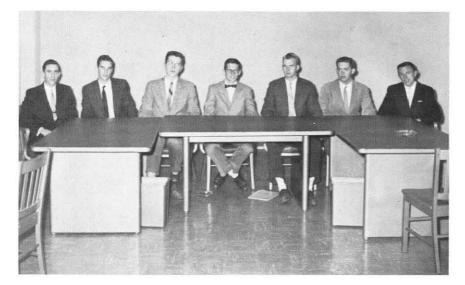
Elected officers for next year were Bob Nason, president; Barry Gordon, vice president; Eli Chernow, treasurer; Paul Purdom, secretary; Stan Klein, national representative; and Carl Rovainen, publicity manager. All Y members anticipate that their leadership will provide the spark to guide the Y into an even more inteersting year next year — if such a thing is possible.











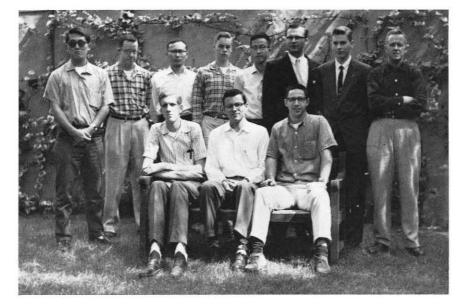
The Educational Policies Committee, left to right: Eli Chernow, Larry Brown, Roger Noll, Dave Blakemore, John Golden, John Cooper, Ron Lawler.

Educational Policies Committee

Instituters



The Instituters, left to right: Jerry Clough, Pete Hammond, Don Fahnline (attempting to get to the bottom of things), R. Craig Brosi, George Davidson, Dave Drummond.



Fellowship

Caltech

Christian

The Caltech Christian Fellowship, left to right: First row: Keith Kinneberg, Tom Noonan, Van Hughes. Second row: Bunso Otani, Darden Powers, William Ko, Bob Bump, Bill King, Del Mar Curtis, Ralph Young, Bruce Weber.

Newman Club



Sitting, left to right: Chuck Antoniak, Father Francis Meskill - Chaplain, Bob Lushene, Mr. Robert Arenz, S. J., Carl Baum, Unidentified Grad Student. Standing: Frank Matthews, James Pousson, Tom Sallee, Harold Harrison, Thomas Falconer, Ted Tarby, Frank Booth, Unidentified Grad Student.

Student Shop

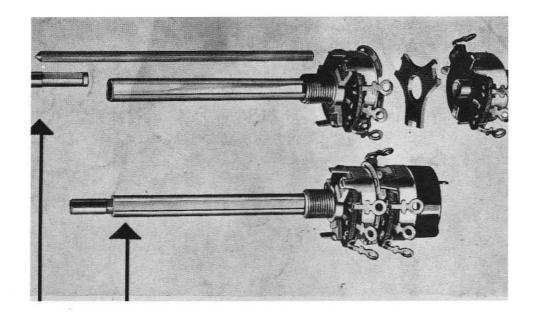


Log: Lee Renger. **Standing**, left to right: Jeff Peters, Curt Kuebler, John Smith, Keith Taylor, Ron Gatterdam.



A. S. M. E.

The ASME, left to right: Wolff, Richard, Jenson, Rubin, Dinwiddie, Golden, Jordan, Hartung, Holland.



A. I. E. E.

I. R. E.

The potentiometer, a device which provides a variable resistance to the current.



A. S. C. E.

The ASCE, left to right: Paul Winters, Professor Samples, Mel Holland, Marty Kaplan, Eric Bredhorst. A. C. S.

The ACS, left to right: Herb Rice, Jim Farmer, Phil Brooks, Fred Newman, Professor Norman Davidson, Bob Ross, Ray Hribar, Jerry Kasper, Jim Perry, Earl Johnson.



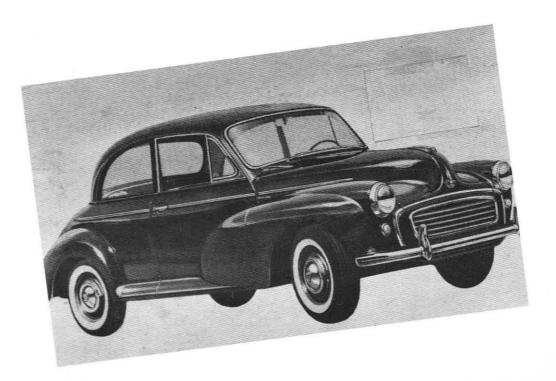
Radio Club

The Caltech Radio Club: Jim Rich, Jim Kessell, Lee Molho, Arnold Lasikar, John Golden, Unidentified Graduate Student, Dave Large.



S. A. E.

An automobile.





Alpine Club

The Caltech Alpine Club, **Front row**, left to right: Ed Miller, Jon Francis, Herb Rice, Bill Straka. **Back row**: Hugh Kieffer, Jeff Peters, Al Whittlesey, Bill Farrell, Bob Despain, Barry Clark.

Dance Classes



Exploiting the Caltech student's desire for social advancement are the ASCIT Dance Class Chairmen: John Soule, Pete Laszlo, Bill Hassenzahl.



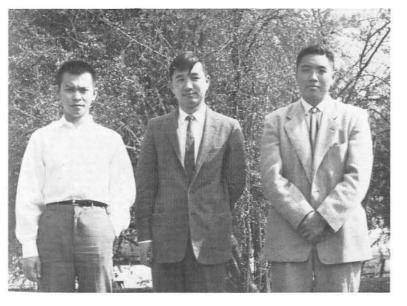
Dedicated to the principle that Russian folk dancers have nothing on us are the Chairmen of the Folk Dance Club: Barry Gordon, Barbara Stutz, Dave Carta.

Drama Club



Front row, left to right: Bob Poe—President, Louise Bowen, Pete Lippman—Vice-President, Back row: Art Robinson—Secretary, Richard Harris, Bill Kern—Patriarch, Bill Hogan.

Chinese Students Association



Left to right: Hung Cheng, Din-Yu Hsieh, Kenneth Locke.

Ascit Photo



Bob Williams, ASCIT Photo Chief



The Caltech Physics Club, left to right: Ralph Miles, Mike Schwab, Hal Arey, Dr. Carl D. Anderson, Chuck Antoniak, Paul Purdom, Tom Falconer, Ray Barglow, George Lindsey.

Physics Club



The Caltech Mathematics Club, left to right: Al Hales, Eric Lindman, Dave Cassel, Neville Black, Dr. Robert B. Leighton, Neal Sheely, Jerald Parker, M. Thomas, Eric Adelberger.

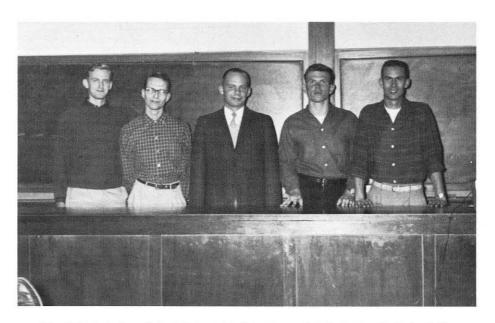
Math Club

Soaring Club

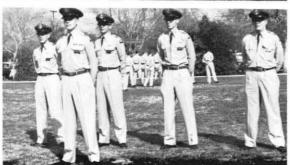


When you wish upon a star, it makes no difference who you are . . . —Peter Pan.

Sailing Club



The Caltech Sailing Club, left to right: Bob Moore, Hal Stark, Lowell Clark, Keith Matthews, Tom Bowman.



Top: The AFROTC squadron staff during the first half of the academic year; Lt. Colonel Jarold A. Meyer - Squadron Commander, Laurence Trafton, Richard Jenson, David Mitchell, Robert Chamberlain. **Bottom:** Staff for the second half; Major Gerald B. Johnston - Squadron Commander, David Mitchell, William Schmus, Doug McLane, Robert Chamberlain.

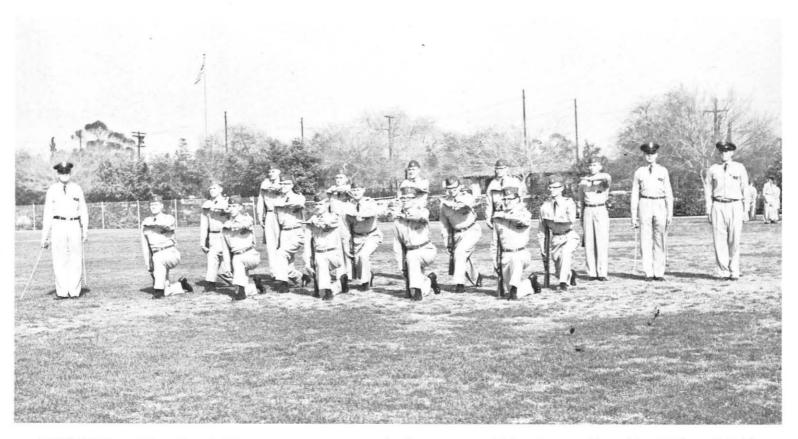
R. O. C. C. Drill Ceam

One of the basic rules of military organization is that there be a single commander. However, in keeping with the Caltech policy of freedom of choice, Caltech's AFROTC Drill Team has two commanders. The cadet staff arrived at this solution after many high-level, strategic conferences.

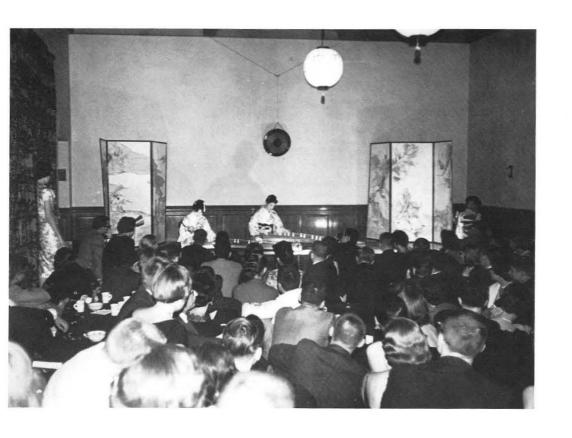
During regular ROTC activities, the Drill Team is disguised as Flight B under the command of Lieutenant Gier. In times of national emergency (1400 hours Wednesdays) the Drill Team sheds its disguise and becomes a precision instrument of war under Sergants Todoroff and Meunich.

Designating the cadet officers as the enemy, the Drill Team seeks to maintain its Espirit de Corps through various encounters with the hostile forces.

Having thus prepared themselves for battle, the Drill Team marches forth in May to engage other schools in the Southern California area competitions. Win or lose, Caltech's future Generals have fun.



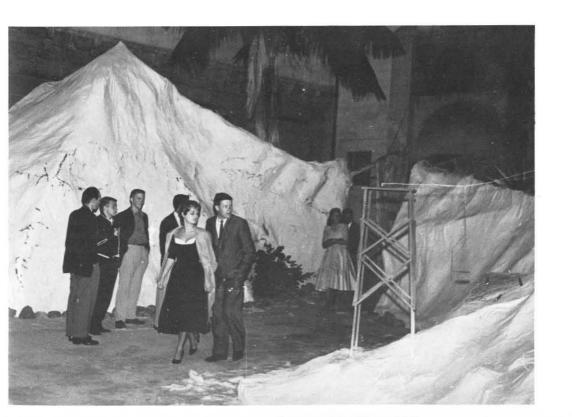
AFROTC Drill Team, Officers: Sergant George Muenich, Sergant John Todoroff, Lieutenant Harold Gier. First row, left to right: Carl Baum, Reginald Clemens, Ivar Tombach, Clarence Fuzak, Joel Tenenbaum. Second row: Gary Chamness, George Root, Dennis Daniel, James Wilson, Barry McCoy. Third row: David Kauffman, Victor Engleman, John Minor, James Moorhead, Richard Harris.





Interhouse Dance









ACS

PHIL BROOKS
JIM FARMER
RAY HRIBAR
EARL JOHNSON
JERRY KASPER
FRED NEWMAN
JIM PERRY
HERB RICE
BOB ROSS

AFROTC DRILL TEAM

CARL BAUM GARY CHAMNESS REGINALD CLEMENS DENNIS DANIEL VICTOR ENGLEMAN CLARENCE FUZAK HAROLD GIER RICHARD HARRIS DAVID KAUFFMAN BARRY McCOY JOHN MINOR JAMES MOORHEAD GEORGE MUENICH GEORGE ROOT JOEL TENENBAUM JOHN TODOROFF IVAR TOMBACH JAMES WILSON

ALPINE CLUB

BILL BURKE BARRY CLARK BOB DESPAIN BILL FARRELL DOUG FENWICK JON FRANCIS JOHN GROVER CFD JONES HUGH KIEFFER ED MILLER JOHN MINOR RICK O'CONNELL JEFF PETERS HERB RICE BILL STRAKA BRUCE ULRICH JIM WATERS AL WHITTLESEY

ASCE

ERIC BREDEHORST MEL HOLLAND DOUG FENWICK MARTY KAPLAN MALCOLM WHITT

ASCIT DANCE

BILL HASSENZAHL PETE LASZLO JOHN SOULE

ASCIT PHOTO

BOB DESPAIN BOB WILLIAMS

ASME

KENNETH ADAMS JIM BLACKMON THOMAS BOWMAN ROBERT CHAMBERLAIN KENNETH DINWIDDIE STEPHEN DONKOR DAVID EVENSEN KENT FREWING HAROLD GIFR ROBERT GOLDEN FRANK GREENMAN RICHARD HARRIS HERMAN HARTUNG RICHARD JENSEN ORVAL JONES GERHARD KLOSE ROBERT KOH DONALD KUGATH ROBERT LAWLER THOMAS McGEAN HOWARD MERCHANT DAVID MITCHELL RALPH OWEN JOHN PORTER NEIL RICHARDSON ROBERT ROSENFELD JOHN RUSS DOHN SCHILDKRAUT WILLIAM SHACKLEFORD MICHAEL SLATER HENRY STUMPE ALFRED STURTEVANT IVAN SUTHERLAND HARRY TOWNES MICHAEL TOWNSEND MARTIN WOLFF

BAND

BRIAN BELANGER TOM BERGSTRESSER AL REPNSTEIN SHELBY BRUMELLE BEN BURKE DAVE CASSERES BOB DILLER JOFL DONNELLY BILL FARRELL RON GATTERDAM HAP GIFR STEVE IMRICH BOB JERNIGAN DAVE KAUFFMAN DANNY KRAUSE GORDON LONG MIKE MALLEY KEN MANLY CY MEAD JIM NEARING DICK NORMAN ERIC NUMMELLA DAVE OLLIS ED RIGGS JOHN RIX RUSS RUSSELL JIM SAGAWA STAN SAJDERA LEE SAMUELSON DOHN SCHILDKRAUT GEORGE SCOTT OLLIE SEELY

ARCH THIESSEN

BILL TIVOL
CHRIST VELLINE
RANDY WARE
ALAN WRIGHT
RAIPH YOUNG

BIG T

JIM BLACKMON GRAEME BLAKE STEVE BRUENN BOB DESPAIN KERRY DONOVAN BILL FRANCIS GARY GOODMAN NORM GORDON LOWELL HILL DORFEN HOLLIS LES INGBER KEN MANLY WENDELL MENDELL ROGED NOLL STAN SAJDERA TOM SLOBKO SAM SUITT LANCE TAYLOR JOEL TENENBAUM MIKE TOWNSEND BOB WILLIAMS

THE CALIFORNIA TECH

MARTIN CARNOY MATT COUCH KERRY DONOVAN MAURY GENUD STAN KLEIN вов кон KEN LARSEN CHARLES McBURNEY PETE METCALF BILL MOCK ROGER NOLL JOHN PRICE NEIL SHEELEY LANCE TAYLOR TOM TISCH JOHN TODOROFF

CHINESE STUDENTS

HUNG CHENY DIN-YU HSIEH KENNETH LOCKE

CHRISTIAN FELLOWSHIP

CLARK BENSON
BOB BUMP
SEUNG CHOY
DELMAR CURTIS
CHRIS EHRET
CHARLES FLYNN
VAN HUGHES
BILL KING
KEITH KINNEBERG
WILLIAM KO
WILLIAM LUO
TOM NOONAN
BUNSO OTANI
DARDEN POWERS

NORMAN REITZ GARY SWANSON BRUCE WEBER JIM YOH RALPH YOUNG

DEBATE

DAVE JEFFERSON
STAN KLEIN
GARRY LORDEN
BARRY McCOY
ROGER NOLL
DICK ROBERTSON
CARL ROVAINEN
LANCE TAYLOR
KIP THORNE

DRAMA CLUB

RICHARD HARRIS BILL HOGAN PETER LIPPMAN LARRY McCOMBS BOB POE ART ROBINSON STAN SAWYER

EPC

DAVE BLAKEMORE LARRY BROWN ELI CHERNOW JOHN COOPER JOHN GOLDEN RON LAWLER ROGER NOLL

FOLK DANCE CLUB

DAVE CARTA BARRY GORDON BARBARA STUTZ

JOHN ARMSTRONG

GLEE CLUB

RON ARPS VLADIMIR BAICHER DAVE BARTON DAVE BENSON TOM BOPP BRUCE CARTER KEN CASEY JIM COE RON COUNSELL DEL MAR CURTIS TED DAVEY RAIPH DAWSON JOEL DONNELLY BILL FRANCIS LYMAN FRETWELL KENT FREWING BARRY GORDON FRANK GREENMAN DAVE GRIMES CARL HAMILTON BILL HOWARD DICK JONES DAVE KAUFFMAN LARRY KUGLER JIM KUMMER RON LAWIER

JOHN LOHMAN GARY LORDEN STEVE MASTIN LAUREN MERRITT JAROLD MEYER NOMIN MEOL DAVE MITCHELL GARY MITCHELL BOB MOORE GEORGE MUENICH JOHN MUNSON RICHARD O'CONNELL PETER OFITINGER MIKE PERLMAN JOHN RUSS RUSS RUSSELL OLLIE SEELY JOHN SHIFR LARRY SLOSS WILL SPIEGELMAN DICK THOMPSON CHRIST VELLINE PAUL WEICHSEL WARREN WHITE HOY MIL RALPH YOUNG

HONOR CERTIFICATES

LARRY BROWN KEN CASEY DAVE CASSEL DOUG DUNHAM FRANK GREENMAN CARL HAMILTON RICHARD HARRIS STAN KLEIN JOHN LOHMAN PETE MAYER BOB NASON MEL NEVILLE DICK NORMAN DAVE PRITCHARD CARL ROVAINEN ART RUBIN STAN SAIDERA LARRY SLOSS LANCE TAYLOR TOM TISCH JOHN TODOROFF

HONOR KEYS

BILL BAUER PEDRO BOLSAITIS BRAD FERON CARL GOTTSCHALL LEE HOOD TOM JOVIN HUGH KIEFFER BOB KOH DOUG McLANE CLEVE MOLER CARL MORRIS ROGER NOLL KEN SCHOLTZ JOHN STENBIT TOM TEBBEN CLYDE ZAIDINS

INSTITUTERS

CRAIG BROSI JERRY CLOUGH GEORGE DAVISON DAVE DRUMMOND DON FAHNLINE PETE HAMMOND

LITTLE T

KERRY DONOVAN NEIL GRETSKY

MATH CLUB

ERIC ADELBERGER
NEVILLE BLACK
AL HALES
ERIC LINDMAN
JERALD PARKER
NEIL SHEELY

NEWMAN CLUB

CHUCK ANTONIAK ROBERT ARENZ CARL BAUM EDWARD BENDER JOSEPH BOCKLAGE THOMAS FALCONER HAROLD HARRISON ROBERT HERTEL WILLIAM HOBEY ROBERT LUSHENE RAYMOND LUTZ VINCENT MARINO FRANK MATHEWS CHARLES MINICHIELLO GARY MITCHELL JAMES PETTY ALFRED PINCHAK JAMES POUSON JAMES RICH JOSEPH RUSSO TOM SALLEE THEODORE TARBY GARY ZIMMERMAN

PHYSICS CLUB

CHUCK ANTONIAK
HAL AREY
RAY BARGLOW
TOM FALCONER
GEORGE LINDSEY
RALPH MILES
PAUL PURDOM
MIKE SCHWAB

RADIO CLUB

CHARLES ANTONIAK ROBERT DESPAIN BILL FARNBACH JOHN GOLDEN GORDON HUGHES EARL JOHNSON JIM KESSEL DAVE LARGE ARNOLD LESIKAR MILT LEVENBERG J. LINDSEY DAN MARKS GARY MITCHELL LEE MOLHO BOB NIELSON CHARLES PECK

JIM RICH
HERM RICKERMAN
ART RUBIN
OTIS UPDIKE

SAILING CLUB

TOM BOWMAN LOWELL CLARK KEITH MATTHEWS BOB MOORE HAL STARK

STUDENT SHOP BRUCE ALLESINA

DAVID BAILEY

CHARLES ANTONIAK

DAVID BENSON GRAEME BLAKE TOM BOWMAN ROBERT BUMP BEN BURKE WILLIAM BURKE WARD CALAWAY DAVID CASSERES DAVE CHANDLER JIM COE WILLIAM COHEN DENNIS COUZIN DEL MAR CURTIS ALAN DAUGER LEON DEMBEK LEE ELLIOTT IOHN FRSKINE W. FARNBACH JONATHAN FRANCIS DAVID FRIFDMAN RONALD GATTERDAM FREDERIC GIBBS HAROLD GIER GARY GOODMAN PETER HAMMOND RICHARD HARKE ROBERT HEATH LEWIS HEMPHILL GARY IHLER ERNEST JANZEN RICHARD JENSON HUGH KIEFFER MALCOLM KINTER MURRAY KOERNER CURTIS KUEBLER AL LADERMAN ROBERT LAWLER MIGUEL LEVY ROBERT LIN MILTON LINDNER JIM LINDSEY PETE LIPPMAN JIM LOVELADY HAYDEN MACURDA DAN MARKS BOB MARVIN WAYNE MASSEY FRANK MATTHEWS KEITH MATTHEWS PETER MAYER DOUGLAS McLANE CYRUS MEAD LAUREN MERRITT JOHN MINOR CAM MOSHER JOHN MUNSON

JAMES NEELAND

RICK O'CONNELL REID PARMETER WALTER PELTON JEFFREY PETERS JOHN PRICE DWAIN REED LEE RENGER DAVID RESNIK ARTHUR RUBIN KENT RUSSELL STAN SAJDERA RANDALL SCHMUS JOHN SHIER THOMAS SLOBKO JOHN SMITH IVAN SUTHERIAND KEITH TAYLOR HENRY THIESSEN JOHN TRENHOLME DAVID TURNER CHRIST VELLINE GARY WALLA HOWARD WANG

JULIAN NOBLE

TAU BETA PI

LAWRENCE WEILL

BILL BAUER TOM BERGSTRESSER TOM BOWMAN PHILIP BROOKS LARRY BROWN BEN BURKE DAVE BUTTERFIELD DAVE CASSEL JOHN COOPER LOWELL CLARK BRAD EFRON FRANK GREENMAN HERMAN HARTUNG IFRRY KASPER ROBERT KOH RONALD KUNZELMAN KELVIN LEE SID LEIBOVICH DAVE LOFBBAKA MICHAEL MANN JAROLD MEYER CLEVE MOLER CARL MORRIS JOHN MUNSON MELVIN NEVILLE DICK NORMAN ROBERT POF PETE RONY MICHAEL RUECKER ROY SAKAIDA LARRY SHAMPINE STEVE STEPHENS LOU TOTH GUSTAV WASSEL FRANK WEBER HOWARD WEISBERG JIM WOOSTER

TISCA

GRAEME BLAKE GARY GOODMAN

TOTEM

DAVE BENSON JON FRANCIS ROCHELLE MERZON ROGER NOLL EUGENE ROBKIN KEN SCHOLTZ BOB WAX

YMCA

TED ELCONIN

RANDALL GRIEPP MEL HOLLAND WAYNE HUBER BOB NIELSEN WALTER PELTON DANIEL ROSS HENRY ABARBANEL DON ANEY TOM BERGSTRESSER BOB BUMP KENDALL CASEY IOHN CROSSMAN JOHN CURTIS TED DAVEY KERRY DONOVAN DAVE EDWARDS BRAD EFRON DOUG FENWICK NEIL GRETSKY LEWIS HEMPHILL LES HIRST LOWELL HILL TOM JOVIN KEITH KINNEBERG BOB KOH SID LEIBOVICH TIM LITLE GORDON LONG WALDEMAR LUNGERSHAUSEN IFN MALFY RUSTY MARR BARRY MORITZ ROGER NOLL MIKE PERLMAN BOB POE KARL POOL PAUL PURDOM CARL ROVAINEN STAN SAJDERA DAVE SIEGEL DOUG SMITH DOUG STEWART LANCE TAYLOR GARY TURNER DON VOET JOHN WAISH JOHN WEAVER JOHN COOPER DEAN GERBER JOHN GOLDEN CARL HAMILTON RICHARD HARRIS STEVE HECHLER LES INGBER CEDRON JONES STEVE JOSEPH MARTIN KELLOGG MIKE LEVINE AL LYON KEN MANLY JOHN MINOR JOHN MUNSON ROBERT SCHMULIAN

LOU TOTH

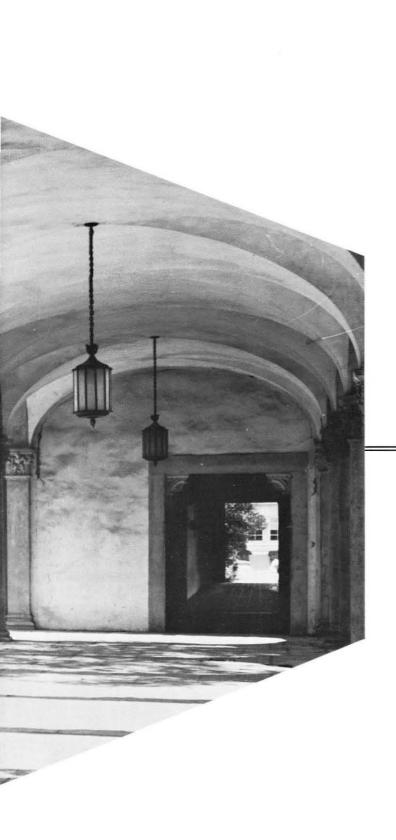
PAUL WIDESS

DAVID STOUTMEYER SEUNG CHUL CHOY DAVE MITCHELL LARRY RABINOWITZ JOHN SHIER LARRY McCOMBS ROBERT CHAMBERLAIN ERIC ADELBERGER L. ALTMAN ALAN BERG DAVID BENSON AL BERNSTEIN ROGER BLAND R. BROSI BRUCE CARTER DAVID CLARK DAVE CASSEL GEORGE DAVISON DON FAHNLINE MAURY GENUD HAROLD GIER BARRY GORDON RICK GREEN AL HALES HAROLD HARRISON LEE HOOD BENT HULD DAVE PRITCHARD WENDELL ING HUGH KIEFFER STAN KIFIN DAVE KUBRIN CHRIS LARSEN BOB NASON HERM RICKERMAN AL PFEFFER LEE SAMUELSON KEN SCHOLTZ MIKE SCHWAB KIP THORNE GARY TIBBETTS CLYDE ZAIDINS GARY ZIMMERMAN DAVE CASSERES ELI CHERNOW AL DAUGER JON FRANCIS RONALD GATTERDAM CARL GOTTSCHALL VICTOR HASSELBLAD BOB HEATH GEORGE HOMER JOHN HRIBAR GARRETT IHLER RON LAWIER BOB LIN BOB MAULE PETE MAYER DOUG McLANE HAYDEN MACURDA JOEL MICHAEL LAUREN MERRITT MEL NEVILLE BILL NICHOLSON JIM PERRY BOB QUIGLEY CHARLES RADOY DAVE RESNIK JIM RICH NEIL RICHARDSON ART RUBIN HAL STARK HENRY THEISSEN JOHN TRENHOLME

LEE MOLHO

GARY ZIMMERMAN







Houses =



Blacker House Officers, left to right: Herm Rickerman - Librarian, Al Berg - Social Chairman, Mike Thomson - Social Chairman, Tom Keil - Athletic Manager, Ken Scholtz - President, Clyde Zaidins - Vice-President, Dick Norman - Treasurer. Seated, Cleve Moler - HS.

Blacker

This past year, while not the best in Blacker's history, was certainly not the worst. Blacker continued to operate successfully on its theory that, "What's good for the goose is good for the gander." Several noted Blacker Indians were unable to return at the beginning of the year. Howie Egeth, 31, noted for his book of Spanish sonnets, had a disagreement with the BOC and had to leave for Rutgers. Blacker felt a particular loss due to the marriage of Dohnald Schildgraut, 9. But it didn't feel so much that it was losing an Indian as it was gaining a Squaw: Cookie became not only an integral part of Blacker life, but of Caltech as well, cheering on our school teams. Dohnald's place in the house was capably filled by Julian Noble, 55, who made the dinner conversation sparkle with his bon mots. One of the funniest remarks heard all year was his question to Bob (turn them in) Schoen, 85: "Why don't you have some coffee with your sugar?" Julian leaves this summer to get married, but we suspect that Kip Thorne, 89, will continue in the Schildkraut-Noble tradition. Rick Nordlander, 54, our RA for the previous two years, was replaced by soul-searching Bob Foss, 62. Blacker's appreciation to Rick was shown by retiring his number.

The first few weeks of the year were preoccupied with the enticement of freshmen. Although Blacker made a concerted effort, it was sorely disappointed in its freshman class; Ricketts ended up with most of the neat frosh. For the first time in recent rotations, Blacker's freshmen did not include a large number of Jews; undoubtedly, the IHC's trilateral banning of quotas played a large part in this. Blacker made freshmen initiation this

year more, much more, than just harrassment of the freshmen for a week. Expressing our basic sympathies towards the work of the McClellan (D., Ark.) Subcommittee, the freshmen were dressed with union badges, trailers, and horns, and were harrassed for a week.

The big event of Blacker's year came a few weeks later. Piling into a beaten-up, vintage 1930 bus early one rainy Saturday morning, the Indians managed to stay in one piece throughout the long drive to Lockheed. By the time the bus rolled to a stop, Hal Harrison, 83, was on his four hundred and ninety-eighth chorus of "Bottles Of Beer On The Wall." He quickly finished off the remaining two, and went into the plant to join the rest of the group. Most of the time at Lockheed was spent listening to answers to the intelligent questions put by Bob Thompson, 71. The Indians were met by another surprise when, on the way back, the bus could not negotiate the flooded streets, and everyone had to stay at a conveniently located motel that night.

The Lockheed trip merged into preparations for the Interhouse Dance, which, continuing in the long Blacker tradition of building ships, was a ship. Our theme this year was Ulysses' escape from the Cyclops, and over Ulysses' galley stood a giant weighing over a thousand pounds, ready to smash the ship to splinters with a single boulder. The galley, built by Hugh Kieffer, 71, Bob Gershman, 43, and Jerry Manning, 79, was no ordinary ship; it was the ship that launched a thousand faces, which otherwise would not have been launched. The day after the dance, David Pritchard,

33, in a cleverly designed move for power, stood up at lunch and suggested a hand for Social Vice-Presidents Al Berg, 7, whose bark is worse than his bite, Mike Thomson, 1, and Jerry Kasper, 45, for the "greatest Interhouse ever!" After complying, everyone gave Pritchard a hand for his magnanimous gesture. The rest of the year's social program was equally successful, from what we were told, including several off-campus parties at Elmore's, Slobin's, Dr. Beadle's, and Berg's. The cleverest idea was the Playboy Party at Slobin's. Greeting the guests as they entered the door was a large-sized Dave Benson, 98. Steve Slobin, 52, who was unable to get a date, in spite of his new contact lenses, was not there. Other events were a sunny beach party, a snowy snow party, a wet pool party, a suspenseful theater party, and a ticklish hay ride. Indeed, Blacker's social program was so successful that the house lost its queer name, proving again that a good ball team makes its own breaks.

Another important part of the social program was the athletic program, led by sandy-haired Tom Keil, 22. Rather than look for ephemeral victories, Blacker decided to build for future years; it was helped in this by getting one of the best freshman classes ever, this year. Still, all in all, the guys fought hard, and Blacker ended up fourth out of the seven houses in Interhouse competition, and third in Discobolus at the last reckoning. Blacker Indians were also contributors to Caltech's intercollegiate athletics, being on many of the teams.

A quite important part of the athletic program is the Interhouse Sing. Starting to practice the third week of second term, capable leader Gary Walla, 8, tried establishing a firm harmonic basis on which delicate quasifugal lines could be interwoven. Building around the powerful voice of Steve Mastin, 6, the group decided to sing "Waltzin' Matilda." Blacker men, in their multicolored coats, led by capable Gary Walla, sang very well, receiving a commendation from Olaf Frodsham.

Unaccustomed to triteness as we are, it would seem worth mentioning that in addition to Blacker's house activities, a number of Indians engaged in activities of their own. Perhaps the most profitable venture was that of Robert Kelly, 26. Born in the slums of St. Louis to Irish parents, Bob had come to Caltech because it would accept students without high school diplomas and because of its liberal Humanities department. Finding it hard to adjust to the rigors of our technological atmosphere and his hard bed, poor Bob, alone for the first time, squandered away all his money early in the year, leaving none with which to buy Christmas gifts. At last report, he was on trial for Christmas shopping after hours.

A more successful operation, as it is rumored, was the panty raid on Scripps led by Ron Arps, 24. Allegedly, Arps, along with John Caywood, 89, and Jim Scull, 53, managed late one Sunday night to take Dorsey Hall by surprise; they came back later with many prizes. Asked for a comment afterward, all Caywood could say was, "Sigh!"

Near the end of first term, Chris Larsen, 27, got sick of the obnoxious music played on the house piano. So he stole it, using a unique system of mirrors to transfer it out of the lounge. Caching it away in his small single,

he soon became annoyed at the music of Dabney, next door. So he took their piano. Undismayed, Fleming continued playing their piano, leaving Chris no choice but to take theirs also: Success went to his head, however, and when owners of the remaining pianos on campus received extortion notes, the FBI, tipped off by the ubiquitous Officer Newton, closed in. Annoyed anyway because the pianos were dust catchers, Larsen arranged for their discovery. Asked if he were worried about possible prosecution, Chris replied, "Really care."

One of the greatest outlets for Blacker men's emotions and frustrations of their virility is the announcement period at meals. There is an untold thrill at being able to command two hundred ears at one time. Rising from being a non-entity throughout his first three years, Neville Black, 63, became a vital cog among the Announcers. Speaking at various times for the Blacker Church, History 5abc, the inane Blacker Physical Society, the McKeever twins, and neo-Conservativism, Blacker's Will Rogers provided the house with insight and humerous anecdotes. Everyone will remember his:

I don't swear, I don't smoke, and I don't drink.

Goddammit, I left my pipe at the bar!

In contrast to Black's wit, Eric Adelberger's, 19, announcements never rose above the commonplace. Try as he may, Eric could never get the diners to warm up to him, and after innumerable attempts on his part, the house was forced to cancel his civil liberties. Not wishing to annoy the house with too many announcements, Roy Currence, 75, made occasional lengthy but pertinent pronouncements concerning neo-Platonism, house spirit, and other important matters. Lesser lights among the Announcers were Hugh Kieffer, from Napa, California, and Dick Norman, 52.

Blacker's status as the stronghold of intellectualism grew this past year, as was evidenced by the growing number of pipe smokers. Leading the way was sandaled Dave Benson, with his white Merchaum. Following close behind were Kent Frewing, 81, also called H. Kent, Maury Genud, 4, portly Clyde Zaidens, 97, Jim Johnson, 12, Herm Rickerman, 28, Larry Altman, 37, and Kurt Anderson, 14. To see that Blacker has more than just an intellectual side, one need only look at the large number of Blacker members in activities like the YMCA. Professing liberalism, but preaching Christianity, the YMCA continued to be dominated by Blacker Indians; in spite of the anti-Blacker campaign waged by cartoonist Carl Rovainen, Blacker won many of the offices, including President. Blacker was also active in the Drama Club, Beavers, Instituters, Totem, and the Sailing Club.

Hell Alley was its usual boisterous self this year, specializing in weekly T.G.I.F. parties, with an occasional one lasting all weekend. Leading the Hell Alley crew this year was Gary Tibbetts, 3, with help from his sidekick, Dick Krueger, 72. Providing entertainment were Bland, 84, with his fiddle, starry-eyed Brosi, 68, with his insatiable girl friend, honorary frosh Larry Altman with his coke bottle, Makino, 15, with his stories, Whittlesey, 92, with his jokes, and Huld, 25, with his liberalism.

While Hell Alley strived for notoriety, Whispering Cans tried to achieve a collegiate atmosphere. The most striking member of this group was mild







Eric Adelberger Larry Altman Kurt Anderson Al Armstrong Ron Arps Steve Barro

Alan Berg Neville Black Roger Bland Joe Bocklage Craig Brosi Roy Currence

John Caywood Jerry Clough George Davison Bob Diller Ken Dinwiddie Jim Dudley

Dennis Evans Don Fahnline Harold Gier Barry Gordon Anthony Grande Al Hales

Harold Harrison Lee Hood Alan Huber Steve Imrich Dave Jefferson Tom Jovin





Jerry Kasper David Kauffman Hugh Kieffer Stan Klein Dave Kubrin Chris Larsen

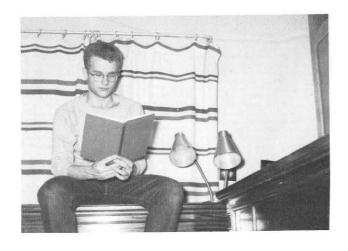
John Lindsey Roy Makino Steve Mastin Ed Miller George Muenich Frank Mullin

Bob Nason Mickey Newton Dick Norman Eric Nummela Jarold Parker Stephen Prata

Dave Pritchard Lannes Purnell Jan Rampacek Dwain Reed Herm Rickerman Dick Robertson

Randy Schmus Ken Scholtz Neil Sheeley John Sorvari Curtis Strobeck Nelson Svegel







mannered, but cruel, Jerry Clough, 93. Another member of note was neo-phyte Frank Mullin, 21, characterized by his winsome smile and rather silly hair; Frank, in an effort to rise above his high school obscurity, even went to the Election Rally instead of a Newman Club meeting. He convinced most of the others in Whispering Cans that Blacker was not the place to achieve that certain collegiate air, and that in House A there might be a more fertile soil for it. Like Moses leading the Children of Israel across the Red Sea, (Exodus, 14: 21-22), Frank's chum Ahmad Abu-Shumays, 46, will lead the group across the Olive Walk next fall.

When school elections came, several Blacker men, Tom Jovin, 29, Dick Norman, and Hugh Kieffer left office; several entered, however, keeping, up House prestige. Clyde Zaidens won ASCIT Vice President, proving the old adage "The whole world loves a f-t man." Clyde performed the job with ease in his first case. David Pritchard, in a cleverly designed move for power, won ASCIT Secretary. Dick Norman also won an office.

In house elections, Blacker did equally as well. The old officers, while not the best in Blacker's history were certainly not the worst. Ken Scholtz, 74, as President and Clyde Zaidens as Vice-President had done an admirable job, in spite of conflict over a girl. Scholtz, the last in a line of Blacker Presidents of the Hebrew Faith, when asked what he thought the most important accomplishment of the previous year stated that he considered the physical additions to the house to be more important than anything else. In particular he mentioned the new lounge telephone and the hopscotch court, both of which were acquired just in time to be used on Students' Day.

The spirit of Blacker House is never brought out more clearly than at election time, and so it was this year. Since the individual can no longer brook Kierkegaard's "anxiety" or Reismann's "nerve of failure," the patina tends to provoke his flight into group resubmergence. Capable Gary Walla won President and Hugh Kieffer took over as Vice-President. Joe Bocklage, 68, running for Treasurer, won easily, after having expressed his view that, "The job of Treasurer involves two aspects-supervising the House finances and the job of being a voting member of the House Executive Committee." Cute Al Pfeffer, 12, won easily as Secretary. The new Social Vice-Presidents were Dave Drummond, 88, Tom Keil, and Ed Miller, 11, and Rick Green, 47. Dwain Reed, 67, Dick Robertson, 65, and Bob Diller, 99, won as Athletic Manager, and Librarians, respectively. Neville Black, and Eric Adelberger, Del Trott, 73, Eric Numela, 23, and Cleve Moler, 70, won Pope, HHA's, HL, K of C, and HS. We trust that these new officers will continue in the Blacker House tradition of working towards the goal of being, "A home away from home."

al bernstein, age 19 1/2 david kubrin, age 21



Karvel Thornber Bob Thompson





Michael Thomson Kip Thorne













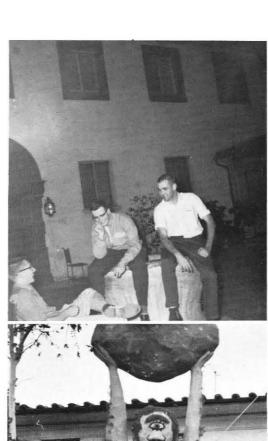




Al Whittlesey Clyde Zaidins



Scooping all other campus publications, the Big T is proud to reveal the identity of the perpetrators of the second Great Piano RF.









Dabney House Officers, left to right: Hank Dearman - Resident Associate, Julian Prince - Comptroller, John Lohman - Treasurer, Jim Yoh - Librarian, Larry Long - Headwaiter, Lou Toth - President, Larry Brown - Athletic Manager, Pedro Bolsaitis - Vice-President, Skip Stenbit - Athletic Manager, Dave Bailey - Social Chairman, Vic Engleman - Historian, John Cooper - Social Chairman, Don Wilson - Secretary.

Dabney

The jungle sleeps. The air is still. Yet the new smell works its way into the depths of the wilderness. And to the nostrils of one creature the odor is a sign; a signal for a new beginning. He stirs, rises. Fond memories now recall to his brain. He begins to move, run, guided by instinct through the seemingly directionless underbrush. With mounting fervor he moves, beyond the state of exhaustion, until at last he is within the range of the world of men.

At the source of the odor that aroused the beast the populace is startled. All save those select few who belonged; who had already prepared and awaited only the signal to begin, the signal that they now heard: the long stirring trumpet of the majestic Green Elephant.

The new freshmen have arrived. The vast machinery takes up its motion and Rotation is under way. Into the hands of Dabney House falls page 3 of the Ricketts Rotation Manual. High Darbdom is amazed. Their report cards are more extensive than our latest. Their out-of-town alumni lend an assist. What are Huttenback numbers? Let's secure those alleys, men! The Green Elephant is on the brink of disaster. Those hidden fruit that he has "discovered" are bait. A gaping pit lies before him. But the bait looks so good that the Elephant does not swallow whole. Instead he takes the prize and hides it for himself. It will make a fine meal later.

This room gets hotter every year. And why is nobody here? Twenty-

four guys is a pretty lousy showing. Especially this close to the end. Thank God there aren't more people here. Can't we open some windows. Dabney and Ricketts, Dabney and Ricketts; what the hell are those tools in Fleming and Blacker doing to themselves? And what are we going to do about Efron?

Well, we've done all that we can. Nothing to do but wait 'til tonight. What did Chuck finally do; didn't he commit at all?

A man on a table; a list. Faces are expressionless. But the room is charged with emotion.

It's over. We won again. To bad about

Oh come and join old Dabney, It is the house that's best. Oh come and join old Dabney,

The rains come, the frosh are baptized.

All is quiet in the southwest corner. The sun has just touched the tops of the two palm trees. The annual morning has arrived:

Dabney eats it, Dabney eats it; eats it raw, eats splash — splash — — splash — —

. . , and the hundred balloons are loosed upon the hoard.

Garland Marshall is Pledgemaster. The frosh are squires. STUPID frosh! Face the fireplace. And don't laugh frosh, this is serious. Frosh, you're wearing red!

Sunday night is "Maverick" night. Please take the chairs down when it's over.

Exchanges, parties, Interhouse - - -

Interhouse. This year the theme will be Winter Wonderland. The lounge will become a cozy ski hut and the courtyard will be transformed into an Alpine valley. Who'd like to build a mountain? A skiier will schuss down Arndt Mountain. There will be an Echo Valley. Please sign up for a committee . . .

I wonder if we can make it snow? Maybe Siegel can build a machine that . . .

Smith says the skiler will ski. Mosher is building a great hut. Ingber needs help with the ceiling. Watch that white paint! . . . that it should be up. But it would look better down! It's already up. But it has to be down. Where's the chairman? Whose committee is this anyway? It'll never fly.

OOOooh! AAAAaahhh! Beautiful! Oh, it's snowing! Lovely. Wouldn't you know they'd make it snow; now everyone'll look like they've got dandruff. Blacker has a ship again. Fleming is quite unusual. But I don't understand Ricketts. Neither do I. Don't those logs look real! The skiier works! The echo works. Is Bard still under the mountain? Yes. And Deverill is providing company and refreshment. But his toe can't last much longer. What's this about a party upstairs?

. . . . so let's all get out there and clean up.

Upper 7 and lower 7 proclaim "Super Seven."

Dabney upsets Fleming in the Interhouse Swim Meet, for the first time in a generation of Techmen. Good thing that spectators don't win the meet.

Ho — ho — ho! Merrrrry Christmas. Santa needs an elf. Wendell Mendell for elf. Ho, ho, ho. Elf claims Santa is his coolie. Ho, ho, ho. Charlie Brown gets his T shirt. Ho, ho, ho.

Dear Pat,

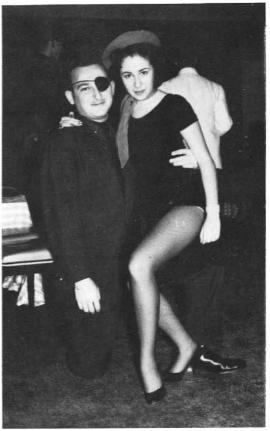
I thought you might enjoy some news of recent goings on around the House. While they aren't exactly as wild as in "the good ol" days" of Henry and Spertus, etc., they keep the place moving.

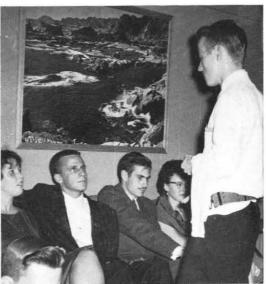
The Coe Trophy is in circulation again. The most imaginative challenges so far were Transom Ball and Bucket Bucking. Alley 4 has been doing better than average so far. Remember how Butterfield, et. al. kept threatening to walk to Palmdale in under 24 hours after our little spring vacation excursion of last year? Well, Dave's now UCC of Alley 4. So we shouldn't have been surprised when they challenged Alley 2 to 6 man team Palmdale Walking. To force 'em to produce, 2 accepted. All together 15 guys started from both alleys. Alley 2 had the best average time and would have won had a sixth man finished. But damn, if the best time wasn't turned in by Butter: 11 hrs., 36 min. He even ran the last three miles to Tech.

[Speaking of Alley 2, Jim Coe is now UCC after Jerry Siegel, who replaced Marty Carnoy who . . . And Munson in Alley 1 is upset because Roth in 3 sends his frosh over to 2 when they want to play, and their idea of play is dumping eight barrels of water into Alley 1.)

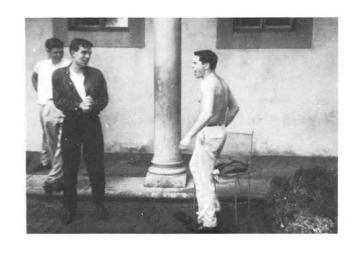
It's been a good year for kidnappings! The first came as an indirect result of an Executive Committee meeting in Hank's room. The sophomore officers were collecting opinions on second term initiation when it was noticed that the frosh on the sleeping porch outside Hank's window were in bed and couldn't help but hear the plans going on inside. So in softer voices it was decided to act immediately. Thus Mendell Wendell wound up around the Scripps birdbath while Arthur B. slept. He was going to warn Wendell in the morning.

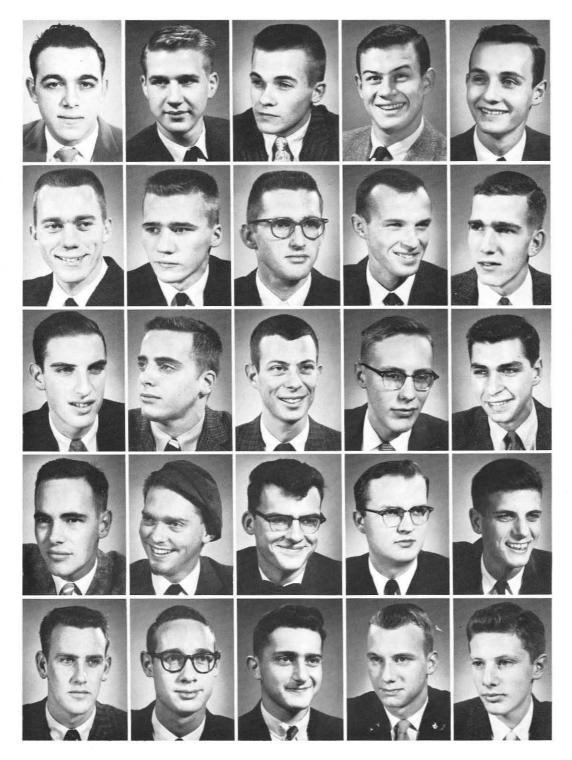
Next, the three most gullible sophomores—Teitelman, Tenenbaum,











Tom Atkinson Dave Bailey John Bard Bill Bauer Bill Benisek

Tom Bjorklund Jim Blackmon Dave Blakemore Pedro Bolsaitis Steve Britz

Larry Brown Steve Bruenn Shelby Brumelle Steve Caine Marty Carnoy

Jim Coe John Cooper Ron Counsell Del Mar Curtis Starr Curtis

Joel Donnelly Rich Drew Vic Engleman John Golden Norm Gordon





Tom Gordon Prashant Goyal Norm Gussin Carl Hamilton Richard Harris





Harold Haskins Stephen Hechler Les Ingber Marty Kellog Dave Kendle









John Lohman Larry Long Stephen Lowe Ken Manly Garland Marshall



































and Jones—disappeared under mysterious circumstances. And finally, Gar Marshall was snatched from Cupid's grasp long enough to become familiar with Hollywood basements and the SC campus.

You'd get a real charge out of Francis and McBurney; everyone else does. But you can't really say they're our kind of people. It's probably only temporary though, considering that Sweetie started in Blacker.

Best social event in an age was the Faculty Party at Professor Gilbert's home. Nearly 100 people were there, about one-third of them faculty members and wives. The geology punch was a near disaster when Julie Prince bought the wrong kind of lemon juice. But real geologist Dr. Sharp came through in the squeeze with the aid of the Gilberts' lemon tree. The skit was a good show, thanks to the talents of Sid Roth, Bill Beniseal, Cedron Jones. Bill Cohen, and others too numerous to mention.

Ingber led an expeditionary force to Fleming but attracted little return fire; there seems to be a water shortage in general over there this year. They did start one a couple of weeks ago. Their courage was no doubt bouyed up by the three fire hoses that led the way. Net income: we now have one more hose in our collection.

ASCIT elections saw boy-wonder Bill Bauer defeat the other freshman of 1958 for the Presidency and John Golden elected Business Manager. Joel Tenenbaum inherited the 1960 Big T. Larry Brown and Doug Shakel were appointed to the ExComm, Trendell Grendell and TV Cohen to be co-Head Yell Leaders.

House elections were tighter than ever. The prospect of no Rotation—gloom and doom—on top of the condition of the House combined with the normal Dabney election fever . . . too bad the Institute doesn't proclaim a moritorium on studying. When the smoke cleared John Lohman was elected to lead the House out into the new world and Doug Shakel was elected to back him up as Vice-President. Carl Hamilton and Frank Ridolphi will give the House a social program. Marty Schultz will attempt to be Secretary now that that office has fallen out of the hands of the Class of '60, and Julian Prince will be able to worry better than ever as Treasurer. Harold Haskins and Charles McBurney will attempt to keep the alumni happy with Dabney's athletic ability. Billy Francis will be an unquestioned Librarian and (W—M)endell will be comptroller. Vivian Meksin was elected Historian but Vic Engleman will no doubt assist, since he is somewhat experienced in this field. Head waiter will be Jim Blackmon.

Dabney lost 15 men to the new houses including 7 frosh; all but one to House C. Three Darb emigrants will hold major offices in the new world: Joel Donnelly and Ollie Seeley will be President and Social Chairman of House C respectively; Rich Harris will be Treasurer of House B. Pssssst! 5'll getcha 10 C'll be Ruddock House.

Hank Dearman will get his Ph.D. and we'll get him something to celebrate with while on the move. Phil Banks of geology will freshen the atmosphere by breaking the chemistry trend in RAs. We'll all miss Hank and wish him the best for the future.

We'll probably take the Interhouse Trophy and Discobolus, and have the best chance for the Varsity Rating Trophy now that it's on a perentage basis. Crew looks great as does Flamers. Snake Trophy will be close but we're in good shape academically.

But the best event in many a moonless night was when IT finally happened. Millikan's Pot turned green; turned Elephant Green—with envy perhaps? Maybe Dabney will survive after all.

That's about all up to now. But more's bound to happen; it always has, always will in Dabney; you know that. Be good and come back and see us when you get a chance. It's always fun to hear about the good old days and compare with the present.

Good luck from everyone in the House.

Doug



Art Robinson Sid Roth





Jim Sagawa Marty Schultz

















Larry Shampine Richard Siquig





John Smith John Stenbit

Warren Teitelman Joel Tenenbaum



Lou Toth Dave Turner



John Van Dyke Christ Velline



Frank Waters Paul Widess



Don Wilson Ying-Bun Woo



Al Wright Jim Yoh











The Fleming House Officers, left to right: Don Marks - Social Chairman, Neil Richardson - Social Chairman, Gary Zimmerman - Treasurer, Ron Gatterdam - Athletic Manager, Mel Neville - Secretary, Bill Dowd - Athletic Manager, Robert Wax - Vice-President, Doug McClane - President, Chuck Radoy - Social Chairman, Bob Moore - Famous, Dick Chang - Librarian.

Fleming

Fleming House has always been fortunate in securing Resident Associates who have left fond memories with the men in the House when they leave. For example, there was John Harding who achieved the dubious distinction of being the only RA ever to be mistaken for a freshman two years in a row, and Rama Murthy, the mystic Indian with the rope trick. When Dr. Neal Pings leaves this year, he leaves not only with the best wishes of all the men in the House, but also with Miss Cheney, infamous as Student House Manager.

As soon as the trauma of rotation was over, Fleming took to its initiation with great zest. As usual, initiation was relatively humane, the only casualty being one slightly damp pledgemaster. Freshmen, clad in their traditional red fireman's hat, were introduced to Prince Eugene and such con-

cepts as "No Smile Tuesday." In addition to smashing victories over Dabney, the Frosh spent a day clearing land for the Quakers and were rewarded with their only good meal of the year.

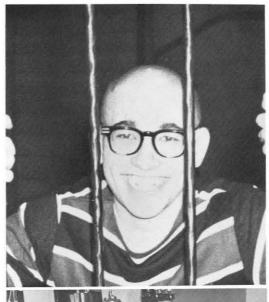
As usual, Fleming's first term social program started off with a number of successful exchanges designed to acquaint the fellows with girls in the area. The high point of the fall quarter was of course the Interhouse Dance in which the social chairmen, Chuck Radoy, Neil Richardson, Bob Moore, and Chuck Antoniak distinguished themselves for their planning and leadership, much to the amazement of the House. The theme was oriental with a Japanese Pagoda rising abruptly out of the courtyard which had been transformed into a garden complete with a pool and goldfish. The dining room became a tea house where crowds gathered

to watch authentic samesin players and exquisite Japanese dancers. As usual the Fleming Interhouse was too successful; the crowds in the dining room were so thick that the Fleming men and their dates were usually unable to get in. In spite of these disadvantages, the event was a great success and made all the efforts of the House more than worth while.

Second term produced a variety of social events. As in the past, the Casino Party was a great success, although this year an additional element of humor was added when the Pasadena Vice Squad raided the party and confiscated all the Monopoly money. There were basketball dances, dinner exchanges, a barn dance, a square dance, and numerous other events. The greatest surprise of the term, however, was the brave new look in Interalley Parties. Whereas in the past Interalley Parties have been bleak and drab affairs designed only to fill space in the social calendar when the social chairmen could come up with no brilliant new ideas, this interalley party represented a technical triumph due largely to the efforts of John Trenholme and John Soule. Among the new and different innovations were champagne punch, a barbeque in the courtyard and discreet indirect lighting. All who came were so enthused that they elected John Soule and John Trenholm (along with Chuck Radoy and Ted Tarby) social chairmen for the year to come.

Under the direction of the new social quadumverate an extremely successful third term social program took place. The social event which attracted the greatest number of house members during third term was as always, the Fleming Luau. It is held off campus with a dinner prepared by chefs from among the members of the House and couples attended attired in casual Hawaiian garb. Among the other successful events were an Off Campus Cocktail Party where the members of the House and their dates were able to meet with members of the faculty on an informal basis, a Gay Twenties Party with silent movies and bathtub gin, and an Artist's Ball.

Second term was hot and heavy with House elections.







Tom Anderson Chuck Antoniak Ray Barglow Carl Baum Zell Cantrell David Casseres

Eli Chernow Dennis Couzin Alan Dauger Lee Elliot Chuck Flynn Jon Francis



Larry Kugler Allan Laderman Robert Lawler Ron Lawler Milton Lindner Hayden Macurda





Ian Marks Frank Matthews Doug McLane Jock McLeaish Bob Moore James Neeland

Mel Neville Norman Reitz Lee Renger Neil Richardson Edward Riggs John Rix

Art Rubin John Russ Larry Seeley John Shier Larry Sloss John Soule

Steve Stephens Bill Straka Ted Tarby Keith Taylor Tom Tebben Henry Thiessen







The President of the Women Are Evil Club, Garret Ihler, was elected House President, with Bob Long Vice-President, Ted Tarby, John Soule, Chuck Radoy, and John Trenholme as Social Chairmen, Hayden Macurda as Secretary, Arch Thiessen as Treasurer, John Russ and Tom Anderson as our Athletic Managers, and Howard Wang as Librarian.

With third term comes an event much anticipated in the House. Every year during third term all the members journey across the street to participate in the Olympiad. The object of this event is to get all the House members together and to have a good deal of fun while trying to determine which of the classes is the athletically superior one. In the past the senior class has usually had the winner's laurels which is undoubtedly due to the excellent PE program we all enjoy so much. After all the events are finished everyone adjourns to Tournament Park where refreshments are served.

Apart from the more formal campus activities, Fleming indulges in a variety of pastimes to wile away the weary hours. Each year a bigger and better slingshot appears. Last year's model, using an orange, had a theoretical range of two miles. No one was able to determine the range of this year's model on a firm Scientific basis, because as the orange disappeared, it was still rising.

Senior Ditch Day once again provided an opportunity for the troops to exercise their ingenuity, much to the dismay of the seniors, who returned to find their rooms excellently buggered. Each year, in spite of the seeming impossibility of the task, new and different ideas are thought up such as filling a senior's room with popcorn and taping a salt shaker and a package of butter to the door.

Meals were kept lively throughout the year due to the activities of the Waiters Union, the Anti-Waiters Union, the Women are Evil Club, the Jewman Club, and the Dart Club. After dinner the House retires for a typical evening of chimney stuffing, cards and bull sessions in the lounge, or exploring. Recently a team of intrepid explorers lead by Cy Mead and Dave Casseses rediscovered the door to the Old Fleming, a compartment filled to the brim with tons of old beer cans and bottles dating back to 1931.

All in all, Fleming had a great year, and we're certainly looking forward to the next.

-Garret Ihler



John Trenholme Samuel Trotter





Howard Wang Robert Wax





Bill Weihofen Larry Weill

Howard Weishera

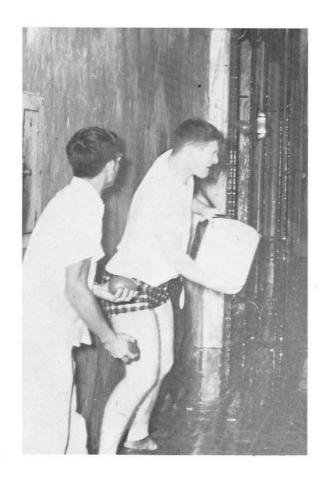
Gerald Wilhelmy







Bob Williams Gary Zimmerman











Ricketts House Officers, kneeling, left to right: Dave Bowman - Social Chairman, Karl Pool - Athletic Manager, Sid Leibovich - Social Chairman, Tom Slobko - Librarian. Standing: Les Hirst - Vice-President, John Andelin - Resident Associate, Joel Yellin - Social Chairman, Rad Dokken -Treasurer, Brad Efron - President.

Ricketts

(We are in a dark, smoke-filled room in Ricketts House. A lean lantern-jawed individual sits on the bed, playing a guitar, his tongue licking his chin, one foot on the other; his face is utterly devoid of expression as he plays. On the other bed sits his roommate, staring vacantly doorward.)

Nissen: Hard chord. (He catches his finger between the strings, pulls it out and begins to suck it absently.)

Weaver: What are you doing next weekend, Dave?

Nissen: (Ecstatically) I'm going out with Joanie.

Both: Ahhhhhh!

Weaver: Fine womaan, eh Dave? Harh! I'll get Sharon and we'll double.

Nissen: OK, Odetta's at the Ash Grove.

Weaver: Fine Business. (Exeunt) ***

(We are now in Gerald Meyer's room in the same alley. All of Prexy Alley is there except for Gerald, who has a date tonight)

Arnold: Let's have a little party guys.

Clarke: (goosing him) Whadya think we're having?

Tom Bowman: Lowell needs a date. (Cuttingly) Ask Yellin for a date, Lowell.

Clarke: My mothers coming (Exeunt roaring)

Rony: Kummer . . .

Kummer: Yo (Weaver enters) Hey Weave . . .

Weaver: Sorry guys, I've gotta call Sh-

Rony: How about a little alley hopscotch Weave? Weaver: Not a chance, Dad. Gotta call Sharon.

Farmer: Sorry John, Meyer had the phone disconnected. 118 Kasten: WE could challenge thee hause in all night poker and ween easy.

(East Cherry Lane. Weaver comes down the steps from Prexy and bumps into Goodman, knocking him down.)

Goodman: (On floor) John! You want your Apache Dance pictures?

Weaver: No, man, gotta call Sharon.

(Turning the corner, Weaver comes on Sundborg, standing arms akimbol

Sundborg: Quiet in the alley! (He shouts this, then looks

guiltily at Weaver.) Nordell: Munch it, Pierre.

Brooke: (Opening his door.) What's going on, man?

Sundborg: STUDY, Chuck. Nordell: Munch it, Pierre.

Curtis: 000! You guys make me SO MAD! Sundborg: You guys go in you rooms and-

Nordell: Munch it, Pierre.

Litle: Giggles delightedly, but has nothing significant to

Tuft: Harh! ***

(South LD alley, John Walsh and Jim Wooster are engaged in earnest conversation)

Wooster: Did you barf on my rug last night, Walsh?

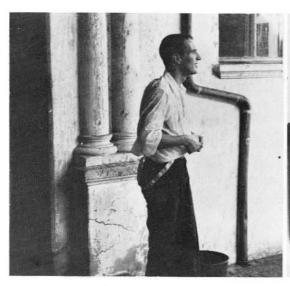
Walsh: Nope.

Weaver: (Coming up stairs) Woos, babe.

Wooster: Weave.

Moritz: (From his room) Who barfed where?

Wooster: Last night at about three in the morning some guy







came around spreading good cheer. He tried to get in bed and felt me so he lay down on the floor and dropped off. After a while he casually barfed and made his way to the head. I thought I dreamt it all so I whisked off to sleep again.

Walsh: However, in the morning . . .

Hofmann: Anybody get hurt?

Ruby: Who was it?

Wooster: I think it was Slobko.

Weaver: Let me through guys. Way for a lady and a baby.

(He knocks on Efron's door)

Efron: Hi. Come on in Weave. Hey, look at the beginning of this short story I'm writing.

Weaver: (Reading), "Spring is here, and the awful sadness of it is perfume in the wind of my arising. The grass yields gently to the quiet breeze, and from afar I hear the sound of children at play, their unicycles clattering on the pavement as they fall." Good start Brad, keep it up ***

(Room 34. A television set sits high in one corner of the room. Golden, Sorensen and Yellin are using the house phone. Leibovich is sleeping while Moler looks on making disgusted comments. Since it is his room the others ignore him pointedly.)

(Sorensen holds a knife poised in one hand, a water glass in the other)

Yellin: (In a horrible falsetto) Long distance calling. (He points to Sorensen who dings glass, grimacing as he does so.) Here is your party. Go ahead sir.

Golden: (Loudly) Hi! Woman victim: Who's this? Golden: (Cheerfully) It's Bob!

Woman: Bob Hoheimer? How are you Bob?

Golden: (Very happy now) I'm fine. (Hopefully) How are the kids and your husband?

Woman: Oh, they're wonderful. Where are you Bob? For goodness sakes, I never expected you to call so soon.

Golden: Oh good, glad they're well.

Moler: Oh no . . .

Golden: I'm in Chicago for a convention this week.

Woman: Are you sure this is Bob Hoheimer?

Golden: Sure I'm sure. Talk to my friend Jim. Maybe you'll remember him.

Sorensen: Hi! I'm Jim. You probably don't remember me, but hello anyway. Here's Bob again.

Yellin: Your time is up party. (Sorensen dings glass)

Golden: Well, I've got to go. Nice talking to you. (Hangs up)

(Weaver enters, looking distraught)

Leibovich: Everybody OUT!

Weaver: (Hopefully) Can I use your ph-

Moler: Everybody OUT! ***

(At this moment at the south end of LD a small furtive group

of three meets in serious conference.)
Koh: Let's not throw any PLATES, fellows.

Litle: (Giggles)

Cline: All the way down the alley, watch this.

Koh: Oooh, Ed, mustn't do that.

Litle: (Giggles)

(Cline spins the plate down the alley discus style. There is a long scraping and then a chosh. The alley is silent once

more.)

Efron: Who stole my you threw-a-plate medals?

Blake: Quiet! Shut up, Efron! (Slams his door)

Efron: (Giggling) Dark deeds are abreweing. ***

(Weaver walks alone, aimlessly. He reaches the Up Your

entrance and hears cheerful voices.)
Brooks: Who stole my door knob!
Bergstresser: You do nice work, Brooks.

Casey: It is aften ten thirty you know.

Jones: Gee Kendall, you must be kidding me.

Weaver: Hi guys, gbye guys. (He races up the stairs) (We now look in upon Stud Alley, home of the pseudo-

mature men.)

Andelin: Yellin, babes!

Yellin: (loftily) Yes, John. (As an afterthought) My boy. Andelin: Joel babes I need a date for Saturday really I

Yellin: I shall try a contact or two. (Rushing into Greenman's room leaving Andelin on his knees.) Greenie babee!

Greenman: Don't mess around or I'll pop you one.

Yellin: (Undaunted) (Horses Greenman onto bed) Greenie babee!

Greenman: (In anguish) Tisch! Help, your roommate's . . .

Tisch: Quiet in the alley, it's after ten thirty.

Yellin: Feeling good, eh Frank?

Greenman: I gotta-study.

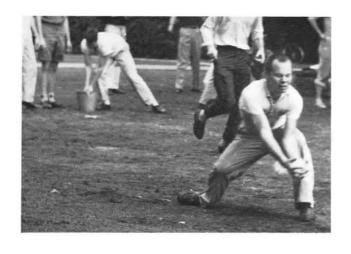
(The scene fades to Room 17. A large gathering has assased therein)

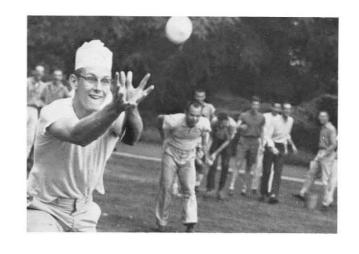
(Yellin is on the phone, distraught and tired)

Yellin: No, it's OK. Don't worry about it. You obviously aren't anyhow.

Tisch: Getting dumped on again, eh roomie?

Yellin: (Into phone) Go to hell. (He slams receiver down)







Don Aney Jack Arnold Tom Bergstresser Graeme Blake Tom Bopp Tom Bowman

Richard Brandt Chuck Brooke Larry Brookes Terry Buffum Robert Bump Ben Burke

Ross Carder Lowell Clark Larry Curfman John Curtis Jerry Davis Kerry Donovan

Dave Edwards Ed Evans Tom Falconer James Farmer Doug Fenwick Pete Fischer

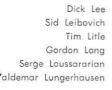
Don Forrest Frederic Gibbs Bob Golden Gary Goodman Frank Greenman Lowell Hill





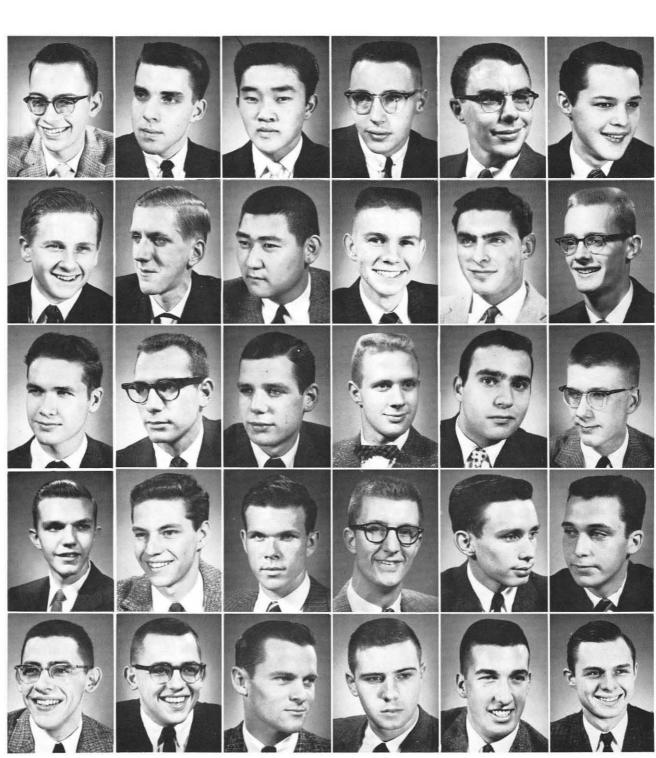
Les Hirst Marty Hoffman Jack Ito Carlos Johnson Dick Jones Robert Juola

John Kessler Keith Kinneberg Bob Koh Ron Krischke James Kummer Ken Larson



Leonard Maley Rusty Marr Keith Matthews Bill McLennan Jarold Meyer Chuck Minichiello

Art Moler Cleve Moler Carl Morris Jim Morrow Bob Norton Paul Purdom



Forrest: Can't get a date man? (He is convulsed with laugh-

Burke: Hey fellows, my sister's coming down for a week during Easter.

Stewart: Good deal, Ben. That's great! Forrest: Yeah, she's really good looking.

Tisch and Yellin: Good deal, Ben!

Burke: Sorry, fellows, she's all booked up with me.

Yellin: Tom, I think you should marry her.

Tisch: Who?

Yellin: Ben's sister. She'd make you a good wife.

Tisch: I ain't getting married to nobody. Women are a pot full of trouble, and I just couldn't want any at all.

(Enter Warren White. He is a small quiet boy with a golden mustache.)

White: Oh, Joel. THERE you are. I just HAD to see you.

Yellin: What can I do for you, Warren babes?

White: Oh dear, I need a date for this weekend.

Yellin: What size?

White: Oh, any SIZE will do. You're so nice to ME.

Yellin: (Dialing) Velda Grosscup please. (Aside. Making sign with thumb and forefinger.) Cool girl.

Weaver: (Entering) Hey, Tisch. How about letting me use your phone?

Yellin: Velda baby, how are you? Wait a minute honey, would you please?

Sorry John, it's busy right now. Honey, I have this cool guy...

Weaver: I gotta call Sharon. (Exeunt) ***

(Scene: The great sprawling metropolis known as Room 61.

The inhabitants speak)

Pool: Dogs.

Voet: Dogs. (He achieves security)

Unknown voice: Dogs (Pool belches obnoxiously, achieveing

immortality)

Hirst: Nice noise, Karl.

Dokken: More beer; Thomas, split beer.

Weaver: Hi guys!

Dokken, Voet, Long, Thomas: Split a beer, Weave.

Weaver: No guys, gotta call Sharon. Grrrrf!

Sajdera: Pool, you're obnoxious.

Dave Bowman: I think you're wrong Sajdera. (Gulps beer) Pool is only showing his mother imaged Oedipal castration complex. (Gulps beer)

Pool: Nota chance.

Dokken: Pool, why do you snore so loudly?

Pool: Does it bother you?

Dokken: Yes, it does, as a matter of fact.

Pool: Good.

Dokken: (To the world) Split a beer, but go and get it anyone. (To Pool) Pool, you snore whenever you get stoned, so I hit you with a pillow and sit up groaning.

Pool: Dogs.

Bowman: Rod, why are you?

Hirst: Bowman, you're out of your mind. I have discovered on the other hand just the right group of intellectuals to conform to. I know they're intellectuals because they raise no anxieties in me, I'm accepted. (He goes to sleep on the floor. Actually he passes out but we don't want to appear prejudiced against Judases.)

Dokken: And then you say, when I tell you to shut up, "not

a chance", and start snoring again.

Weaver: Can I use your phone Long?

Long: (Passes out on floor. He is a nonJudas)

Weaver: I think I'll go to bed. (As he leaves a riot starts) (Our last view is of Thomas attacking Dokken by pummeling him with a copy of "I, the Jury.") Goodnight, guys, goodnight.

-Joel Yellin





























Dave Siegel Tom Slobko



Doug Smith Jim Sorensen

Will Spiegelman Doug Stewart Pierre Sundborg



Lance Taylor Harold Thomas Dick Thompson



Tom Tisch John Todoroff Les Tomley



Dick Tuft Gary Turner Don Voet



Warren White Jim Wooster Geary Younce



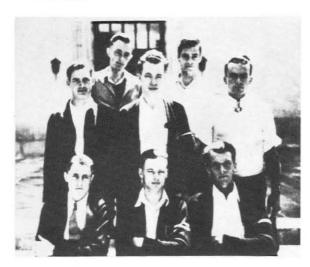




The 1960 Throop Club Officers, left to right: Fletcher Gross - President, Buzz Merill - Athletic Manager, Bill Hogan - Treasurer, Doug Dunham - Vice President. Not pictured: Bob Chamberlin, Ralph Dawson, Chuck Ray - Social Chairman, Dick Newcomer - Secretary, Lon Bell - Athletic Manager.

Chroop Club

The 1934 Throop Club Officers, front row, left to right: Hallanger, Jahns - President, Potter. Second row: L. Davenport, Scott, Kramer. Third row: Swanson, Colvin.



The gentlemen pictured at the left were the officers of Throop Club during the first year of its existence; the gentlemen pictured above were the officers of Throop Club during the last year of its existence. Progress in the form of the current development program will end the twenty-six year history of Throop Club next fall. A glance at the picture to the left will reveal a person whose name, if not face, is familiar. Dick Jahns was instrumental in establishing Throop Club and served as its first president. Twenty-six years later, both Dick Jahns and Throop Club are leaving the Caltech scene. Dick Jahns is moving to the chairmanship of the Geology Department at Penn State. Throop Club is making way for the new Winnett Student Center.

This twenty-sixth and final chronicle of Throop Club is dedicated to Dick Jahns and the some thousand other Caltech students who have at some time considered themselves Throop Men. With the help of past issues of the **Big T**, we shall attempt to review some of the highlights of Throop Club's twenty-six year history.

Caltech moved to the California Street campus during 1910. The undergraduate student body of the Twenties was drawn largely from the Southern California area. Resident students were able to live at one of the several fraternity houses which were established during this period. The non-resident student maintained his contact with the campus through a Non-Residents Club. In 1931 the fraternities were disbanded and all resident students moved into the four new undergraduate houses. The Non-Residents Club continued to occupy a clubroom known as The Dugout, which adjoined the Old Dorm. Both buildings had been constructed in 1890, and had existed for some thirty-one years before Caltech made them a part of its campus.

In the fall of 1934, the Non-Residents Club was composed of all students not living on campus. It derived support from a compulsory one dollar fee assessed on these students. The apathy inherent in such an arrangement is not unknown today, and in September of 1934 the newly elected officers of the Non-Residents Club decided to do something about the situation. After a conference with the "Faculty Committee on Campus Relations," the plans for a new club were formulated. The new group was to be known as Throop Club. It took over the facilities of the Non-Resident Club, which passed out of existence. Membership was changed to an optional basis, and it was made conditional upon payment of an amount unheard of during the depression—two dollars.

A description of the change which occurred is best taken from the 1935 Big T:

"The officers immediately announced plans which were nothing short of amazing. A strong athletic program, new types of club meetings, a brilliant series of social events, and all backed up by over two hundred dollars in the club treasury. The lid was officially pried off with a stag, in which heavy gambling and equally heavy doughnut and cider inhaling figured prominently.

"There followed during the three terms a series of dances, at least three a term, which ranged all the way from semi-formal to a "cotton and cords" affair. Among the others were a Hallowe'en masquerade, a barn dance, a semi-formal dinner-dance, and a football rally dance, the last in conjunction with the student houses. In addition, there was a theatre party, a treasure hunt, and an ice skating get-together.

"The Throop Club has maintained a high position in intramural athletics. Championships were won in indoor baseball, cross country, handball, tennis, and baseball."

Through the years, the Dugout had tended more and more to approxiate its name. As a result, in the fall of 1935 the men of Throop Club set out to renovate completely







Howard Kabakow Harry Keller Curtis Kuebler Ron Kunzelman Mike Lampton

Steve Leppla Mike Mann Etan Markowitz James Moorhead Richard Newcomer

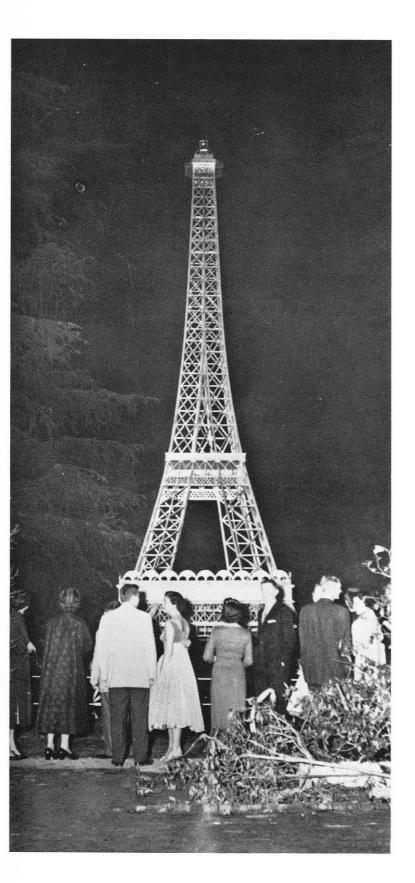
Gary Osterberg Mike Palmiter Gerald Pearson Larry Rabinowitz Bob Ross

George Scott Paul Skov Gaetan St-Cyr Don Thompson Ivar Tombach









the building and make it into a suitable home. Here again, we may turn for a description to the 1936 Big T:

"Officers of the Club early last fall secured the services of Myron Hunt, noted Pasadena architeet, in making plans for the reconstruction. The next difficulty was the raising of funds for the work. Through the gracious assistance of Mrs. Robert A. Millikan and the generous contributions of members of the faculty and of the Board of Trustees, the financial worries were finally overcome.

"The actual work of remodeling was done almost entirely during Christmas vacation, by the Club members with some professional supervision. When the walls were finished and painted, and the floor sanded and waxed, the furnishings were designed by Mrs. Gordon L. Kaufmann. The furniture of heavy mahogany was made to order especially for the Club, and the drapes and rugs were selected to harmonize with the interior.

"Finally everything was in readiness for the gala opening, and on Friday, January 17, a tea was held for the faculty associates and for all those who had assisted with the work. Guests were without exception amazed by the completeness of the change from the old Dugout and charmed by the warmth and coziness of the new lounge. The center of the room was of course, the huge fireplace, with the inscriptions of alumni and faculty on its brick face, and with its large bronze T standing out as a symbol of the club. Interest was also manifested in the library and the dressing rooms opening off of two corners of the main room."

The men of Throop Club were quick to take advantage of their newly furnished headquarters. Some of the events of that year included Monday night dinners featuring faculty members and other invited guests, and a series of Saturday night "radio dances." Another event which was to become an annual highlight in the ensuing years was a dance with the Non-Resident Girls Club at Occidental.

Throop Club grew and prospered during the remainder of the prewar period. In 1940 the outdoor patio was furnished with a newly purchased set of furniture. Along with the four resident houses, the Social program reached a high in elegance which has not been matched since. One of the high points of the year was the formal dance given by the Throop Associates at the Valley Hunt Club.

With the onset of the war, student life in general was curtailed, although Throop still maintained an admirable schedule of dances, "scheduled so as to minimize the transportation necessary." It is interesting to note that this was no small problem in the days when Caltech drew a very high percentage of its students from the Southern California area. The necessity of catering to a group very widely dispersed over the Los Angeles area was the greatest problem facing Throop Social Chairmen during the first ten years.

The close of the war was followed by the two years in which the military was gradually removed from the Caltech scene. For Throop Club, however, the departure was not complete, for the war years resulted in certain changes which were to profoundly affect the post-war Throop Club. Unlike the student houses, Throop Club had no restriction on coed housing, and hence Throop Club gained a large number of the new group of married students. Furthermore, the geographical distribution of the Caltech student body became more national in the post war period. This trend reduced the number of Southern California students who had previously formed the backbone of Throop Club.

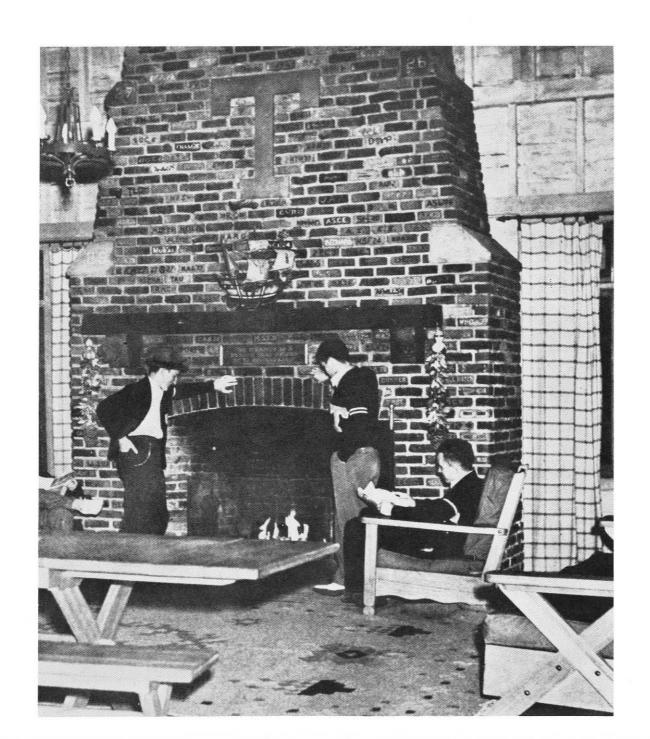
In its closing decade, the men of Throop Club were a varied and impressive bunch. There were the studious EE's and the vociferous members of the "PCC girls are neat" Club. In the early 1950's, Throop Club inherited a bumper crop of bridge fiends. One, with the not surprising name of Gold, was so revered that his IOU's were valid as currency all over campus. Throop Club had the most ROTC students per capita, the oldest PE students, and the athletes with the greatest number of children. In a final triumph, Throop recruited enough bowling whizzes to wrest the bowling

trophy from the four resident houses.

In 1957, Throop's decorations for the Interhouse dance, a model of the Eifel Tower over fifty feet high, dominated the east end of campus. In 1959, Throop's decorations were a good deal smaller, but perhaps more symbolic. Next to the Olive Walk in front of Throop Club was a tombstone inscribed, "Throop Club, 1934-1960."

Throop Club is passing from the Caltech scene. In some ways this is unfortunate. We have met members of Throop Club and its predecessors who could identify the personality connected with the initials carved into each and every brick in the Throop fireplace. No longer will this be possible. The members of the 1960 Throop Club who have all joined one of the new Houses are the last group which will be identified with Throop Club. In several years such a group will no longer maintain this identification. With the end of such an identification, the era of Caltech as a distinctly Southern California institution will also come to a close.

-Joel Tenenbaum.





John Armstrong Greg Chalfin Jan Conrad Dave Goff Lyn Hardy Howard Hilton

A. Earl Johnson Don Krotser Mike Malley Bill Mock James Nearing William Parker

Off Campus



Robert Poe Chuck Ray Paul Rosenthal Dan Ross Ken Rudolph Jim Sasser

John South Gary Stupian Robert Tait Charles Trimble Gustave Wassel Jim Williams



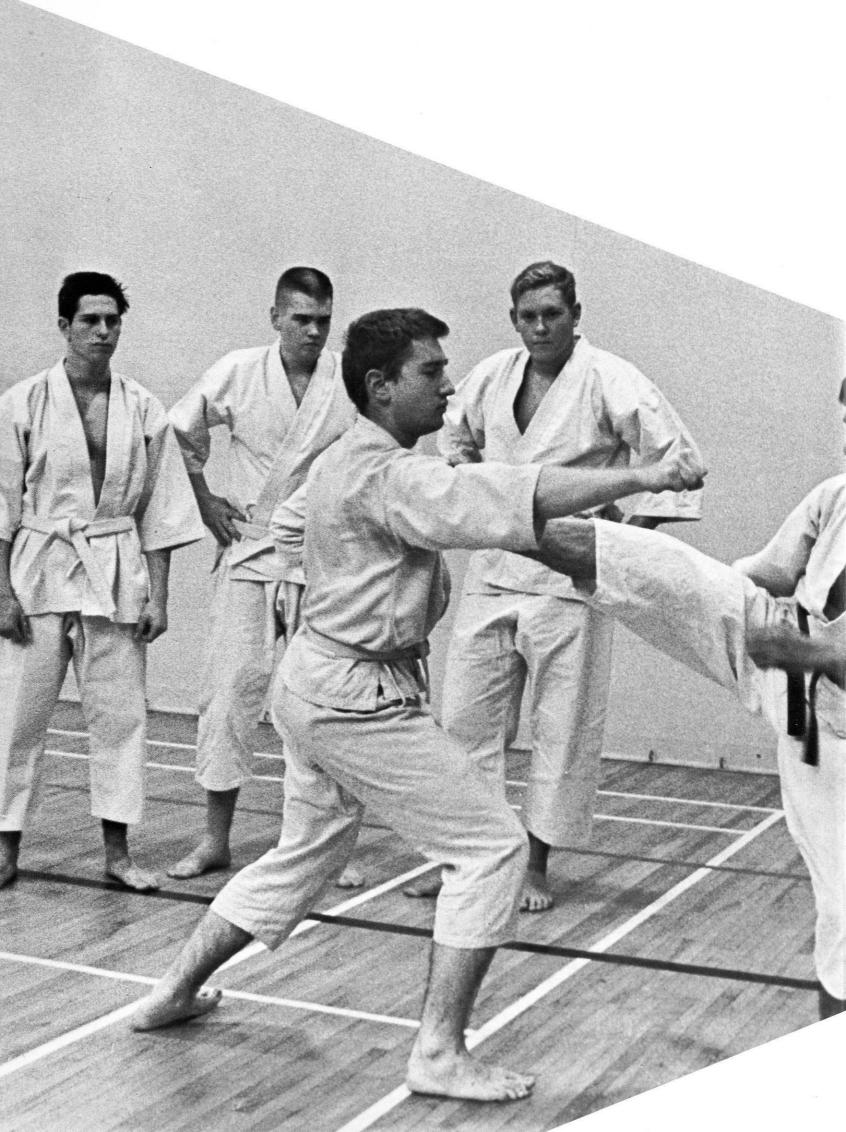
The Resident Associates, left to right: John Andelin - Ricketts, Hank Dearman - Dabney, Dr. Robert A. Huttenback - Master of the Student Houses, Dr. Neil Pings - Fleming, Bob Foss - Blacker, Mike Duke - Throop.

Resident Associates

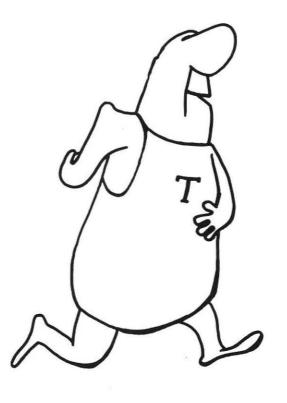
This year, in addition to the Resident Associates pictured above, the four student houses also had Non-Resident Associates.

The Non-Resident Associates were selected from the faculty, and this year consisted of: Dr. George Beadle - Blacker, Dr. Frederick C. Lindvall - Dabney, Dr. H. F. Bohnenblust - Fleming, Dr. Alan R. Sweezy - Ricketts.

These men provided a more direct link between the student houses and members of the faculty.

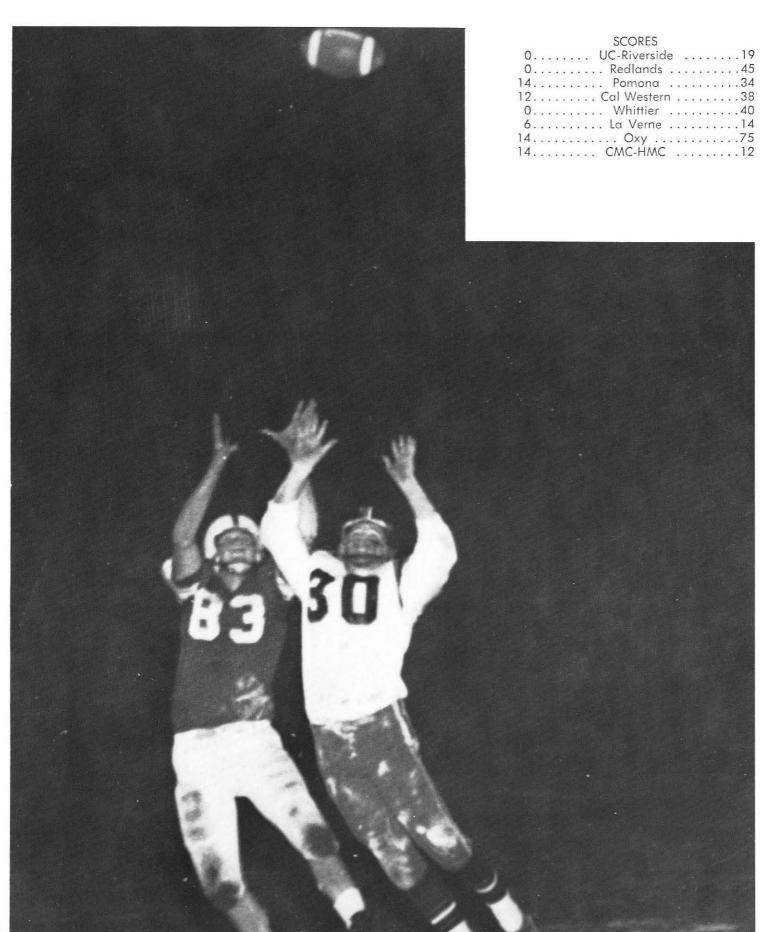


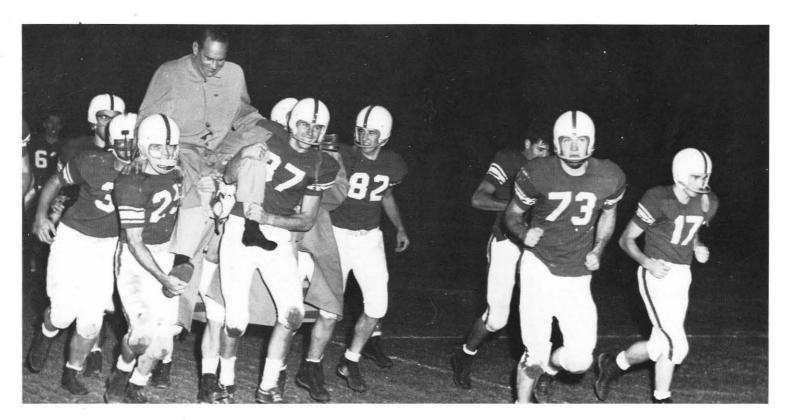




Sports =

Football





Tech players carry off La Brucherie after Homecoming victory.

With but twenty-five men on the squad, Caltech's '59 football team limped to a final season record of 1-7. Plagued by injuries and suffering from inexperience, the team lost some games it should have won, and was beaten badly in other games that should have been close.

The team was built around a nucleus of fine seniors, augmented by several promising sophomores. In the final game of the season, the starting lineup consisted of five seniors and seven sophomores.

Mel Holland, Lee Hood, and Carl Gottschall, the squad's three standout players, were awarded the Wheaton trophy, and Gottschall was named captain.



Mell Holland, Quarterback



Frank Marshall, Haltback



Jerry Siegel, Fullback



Ed Cline, Fullback



Lee Hood, Halfback



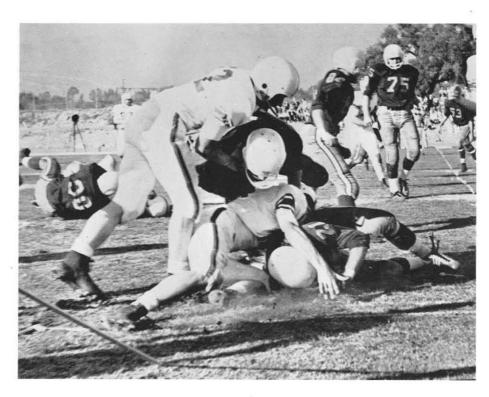
Ed Miller, Halfback



Dave Grimes, Halfback



Vince Hascall, Halfback



Layer cake



Carl Gottschall, Guard



Larry Sloss, Guard



Larry Long, Guard



Joe Bocklage



Karl Baum, Tackle



Art Rubin, Tackle



John Denyes, Tackle



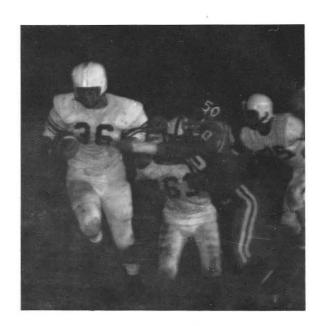
Mike Ruecker, Center



Chuck Ray, Center



Hascall churns up the TP turf



Hughes plows through Oxy



John Arndt, End



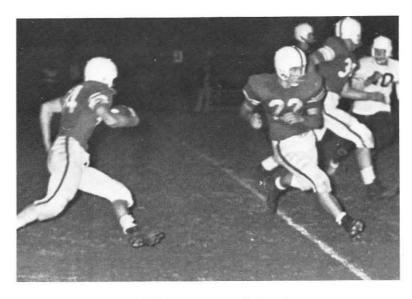
Herm Hartung, End



Pete Rux, End

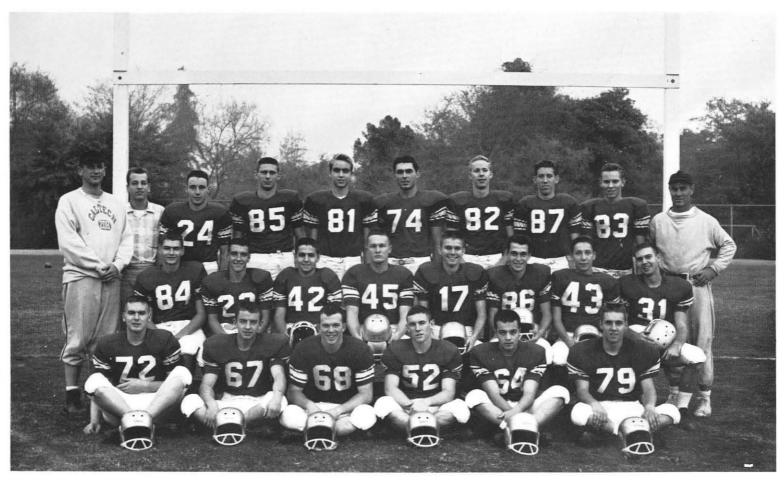


Evan Hughes, Guard



Holland clears a path for Siegel.

Frosh Football

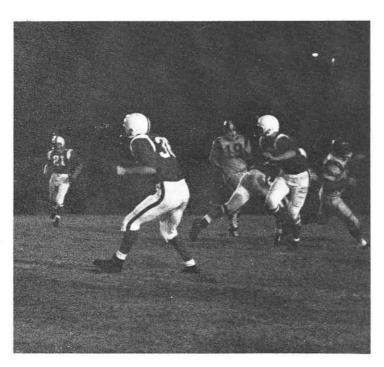


First row: Sig Hoverson, Ron Drwinga, Jack Arnold, Truman Seely, Ray Bridge, Bob Gilman. Second row: John Rayner, Dale Albericci, Dan Schwartz, Chuck Ryavec, Ron Krischke, Chuck Minichiello, Jay Russo, Jim Morrow. Third row: Ass't. Coach Dennis Long, Mgr. Bob Schmulian, Carlos Johnson, Pete Fischer, Harry Keller, Jim Kummer, Larry Brookes, Les Tomley, Harold Haskins, Coach Ed Preisler.

Homecoming - Cal Tech 14, Claremont 12



Hartung goes for an extra few yards at the Rose Bowl.



Coordinated Tech blocking, demonstrated here by Hughes, made possible the Homecoming triumph.

By far the best game turned in by the Beavers, was their inspired effort against Claremont-Harvey Mudd in the traditional Homecoming game. Spurred on by the cheers of Queen Sue Tangen and Princesses Heather Goss, Natalie Johnson, Georgia Jones, and Judy Rockley, the team fought back from a 6-0 half-time deficit to win 14-12. The first Beaver touchdown came on a spectacular 96 yard kickoff return by Vince Hascall at the beginning of the second half. Later in the third quarter, Mel Holland uncorked a pass to John Arndt in the end zone for the second Caltech tally. Another good Holland pass was snagged by Herm Hartung to give the team two extra points.

Cross Country

1959 Record

Dual Meet

CIT 28

Whittier 30

Dual Meet

CIT 27

Pomona 29

Conference Championship — Second to Oxy

The Varsity Cross-Country Team, first row, left to right: Wes Shanks, Art McGarr, Dick Tuft, Richard Harris, Pete Lippman. Second row: Terry Buffum—Manager, Al Whittlessey, Mike Ruecker, Bob Juola, Coach Walter Mack.



Sparked by the running of five sophomores, the Caltech cross country team breezed through its season undefeated in dual meets, and wound up winning second place in the conference quite handily.

Dick Tuft and Bob Juola, talented sophomores, consistently won two of the top three places in dual meets, and finished high in the conference championships. Tuft was named captain of next year's team, succeeding 1959 captain Wes Shanks.



Juola vies for the lead.



Dick Tuft

Dick Tuft was, by far, Caltech's best track man during the 1959-1960 season. Dick led the cross-country team to a second place finish in the conference meet at Redlands by finishing a strong fifth. And in track, he ran, at one time or another, just about every running event. Tuft's specialties were the mile and the 880. Only a sophomore, Dick was elected the captain of next year's cross-country team.

Frosh Cross Country



The Frosh Cross-Country Team, left to right: Warren White, Jim Williams, John Caywood, Pat Earley, Jan Dash

Frosh Record

Dual Meet Second to Whittier
Dual Meet CIT 9 Pomona 10
Conference Championships—Fourth
to Oxy

Soccer



Jim Yoh rockets the ball across the TP field.



Dick Chang helps surprise a UCLA booter.

The Caltech soccer team was almost highly successful, but several close losses at the end of the season dashed the hopes of a good season. The final conference record of the Beavers' was 2-5-1, with the squad dropping its last five games in a row. The overall season record was 3-7-1.

The most exciting part of the season for

the Beavers was a journey to San Francisco over Thanksgiving vacation. The team met tough California and San Francisco, and gave both teams good games. USF was the western NCAA champion.

Jim Kwok was named the most inspirational player on the team at the Fall Sports Banquet.

Varsity



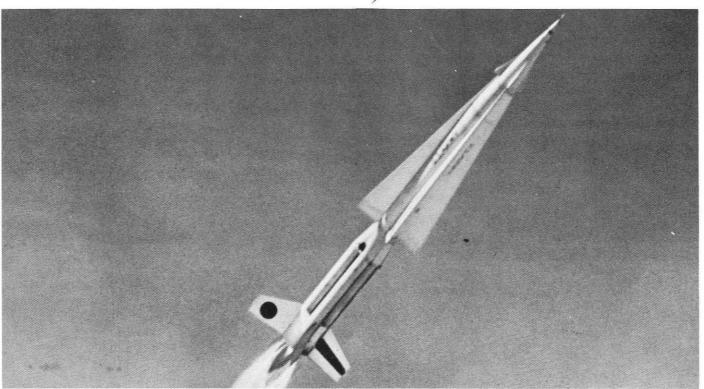
Left to right, First row: Coach Lee Andrews, Dick Chang, Kay Sugahara, Gary Osterberg, Joel Kwok, Joel Young, Francis Wilson. Second row: Mgrs. Eli Chernow, John Trenholme, Ron Forbess, Dave Osias, Bill Dowd, Ellis Cumberbatch. Lynn Garner, Ian Jones.

Junior Varsity



Left to right, First row: Coach Lee Andrews, Dave Casseres, Jim Yoh, John Russ, Bob Ronda, Bill Straka. Second row: Mgrs. Eli Chernow, John Trenholme, Bunny Woo, Howand Wang, Dave Barton, Julian Noble, Herb Rice, Al Carlin.

Sailing



Southern Series Regattas

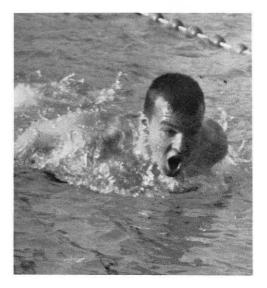
2nd to Orange Coast 6th to Orange Coast 4th to Orange Coast 2nd to San Diego 4th to Orange Coast 2nd to Orange Coast 2nd to Orange Coast 1st for Championship Caltech's sailors did very well in Southern Series sailing this season by finishing third in the Series and winning a few meets. The sailors narrowly missed winning their way to the Olympic trials in the East.

Tom Bowman, Lowell Clark, Doug McLane (all seniors) and Keith Matthews did very well as skippers, with Clark winning the reputation of being one of the area's finest. Tom Bowman was the Commodore of the team this year, while Keith Matthews was elected President of the area association.

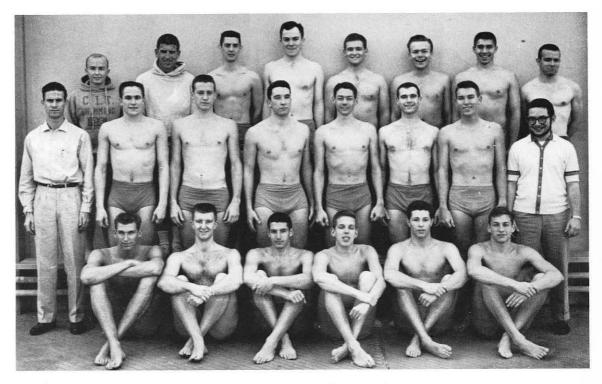
Swimming

SCORES

34	Santa Monica JC	62
54	UCLA	42
	CIT, LA State, Cal Poly	
	First in Conference Relays	
40	Redlands	55
	Win over Claremont-Harvey Mudd	
32	Long Beach State	59
	CIT 54, CMC - HMC, LB State 59	
79	S F State	16
59	U of Arizona	35
59	Oxy	36
	First in Conference Championships	
	5440327959	First in Conference Relays 40



Bill Howard playing butterfly.



The Varsity Swimming Team, First row, left to right: Marshall Buck, Miles McClennan, Sherman Gratch, Pete Mayer, Pete Rony, Gary Tibbetts. Second row: John Price - Manager, Doug Dunham, Roger Bland, Tom Sallee, Gary Turner, Dick Zacher, Bill Hogan, Joel Michael - Manager. Third row: John Thomas, Coach Webb Emery, Gary Mitchell, Hayden Macurda, Bob Heath, Jerry Wilhelmy, Tom Tisch, Bill Howard.



The Frosh Swimming Team, First row, left to right: Jeff Peters, Bruce Chesboro, Larry Daubeck, Mickey Newton. Second row: Coach Webb Emery, Jay Russo, Dave Ollis, Jim McCoy, Sig Hoverson.



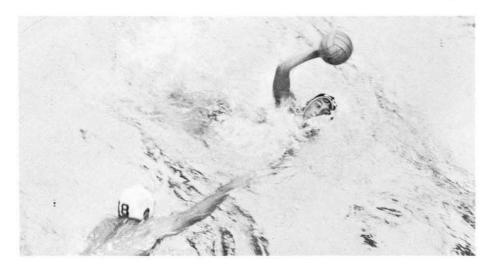
Varsity Waterpolo, First row, left to right: Coach Webb Emery, Gary Turner, Tom Sallee, Doug Dunham, Paul Widess, Bob Heath, Steve Slobin, Mike Mann, George Homer. Second row: Gary Mitchell, Bob Ruby, Roger Bland, Marshall Buck, Gary Tibbetts, Dave Tucker, Tom Tisch, Russ Russell, Mgr. Gary Zimmerman.



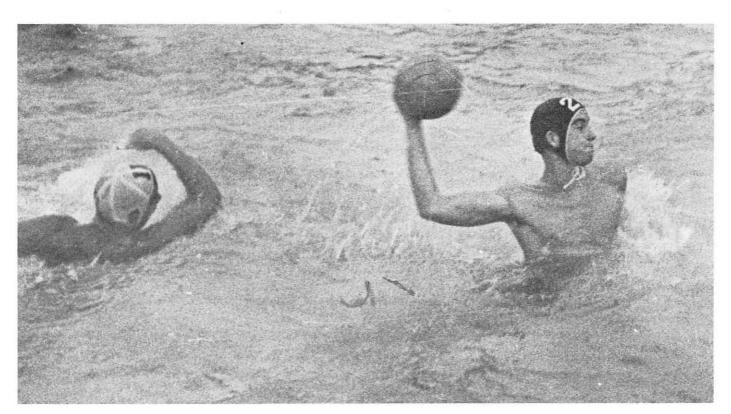
Frosh Waterpolo, First row, left to right: Coach Webb Emery, Pat Manning, Mickey Newton, Ron Counsell, Al Huber, John Linfesty, Bruce Chesebro. Second row: Jim Sagawa, Jim McCoy, Larry Rabinowitz, Jim Shaw, Dave Allis, Mgr. Jock McLeaish.

Led by second team All-Conference players Dave Tucker and Bob Ruby, Caltech's water polo squad climaxed a fine season by whipping tough Occidental in the final game of the season to gain third place in the SCIAC. During the first half of the season the Beavers were only mediocre as they were searching for a replacement for graduated goalie Din Wiberg; however as the year progressed, John Walsh and Marshall Buck got better and better as they gained more experience, until, at the end, the Beavers were a very good squad.

Water Polo



Betcha can't catch me.



Too late to bake a cake.

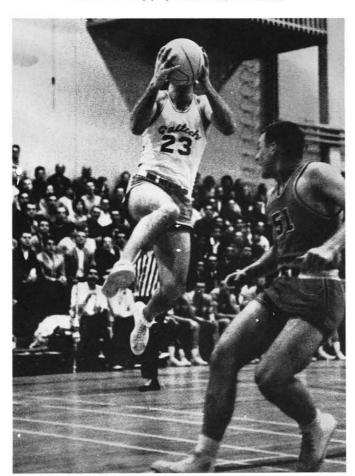
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Basketball



Arps outreaches a La Verne player.

Newman not only plays basketball, he thinks it.



	Scores	
77	Upland	39
46	UCR	58
59	La Verne	52
62	CMC-HMC	57
60	Redlands	76
65	Pomona	66
57	Cal Poly	74
60	Оху	83
64	La Verne	65
46	Whittier	60
53	Оху	58
53	La Verne	77
51	Whittier	60
53	Redlands	83
56	UCR	50
71	Pomona	70
62	Cal Western	80
54	CMC-HMC	45
52	Cal Poly	83
74	Оху	105

Whittier

94



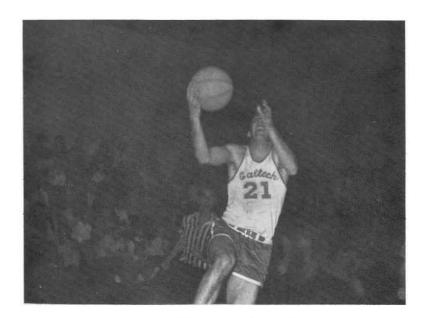
56

Fred Newman Captain

Strengthened by the presence of five experienced seniors, Caltech's 1960 basketball squad made its best showing since it won the conference title in 1955. The Beavers finished fourth in the conference, and bagged six victories including two over Claremont-Harvey Mudd. Mainstay of the team, and the squad's only All-Conference player, was guard Fred Newman, who was the league's best scorer. Newman, after a fine senior year, now holds just about every scoring record on the Caltech books. Senior forward Len Maley, who was given the Vesper trophy by his teammates, was the inspirational leader of the team, as his consistent play was one of the team's strongest assets.



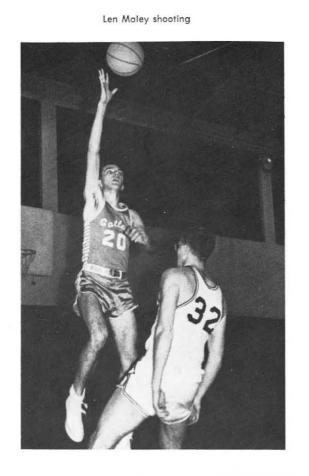
Len Maley



Larry Brown drives in for a lay-up shot.



Mel Holland



Dave Blakemore

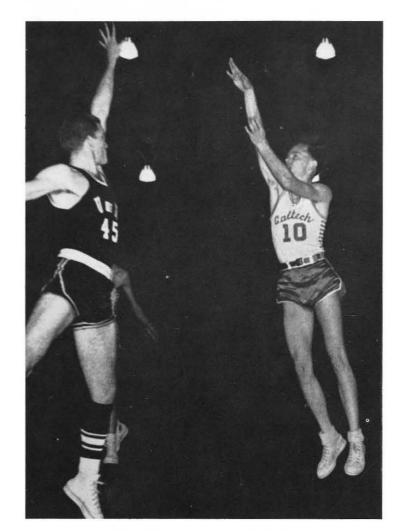




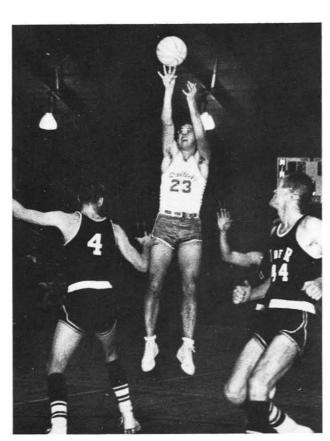
Ron Arps



Fred Newman



Bill Ripka shoots against Redlands.

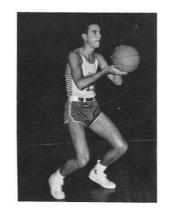


Fred Newman shoots against Redlands.



Larry Brown

Bill Ripka



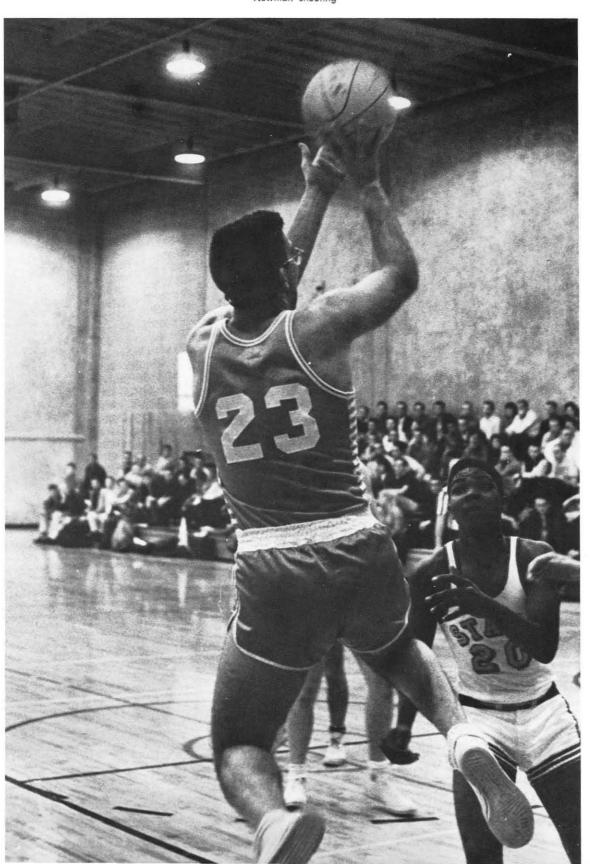






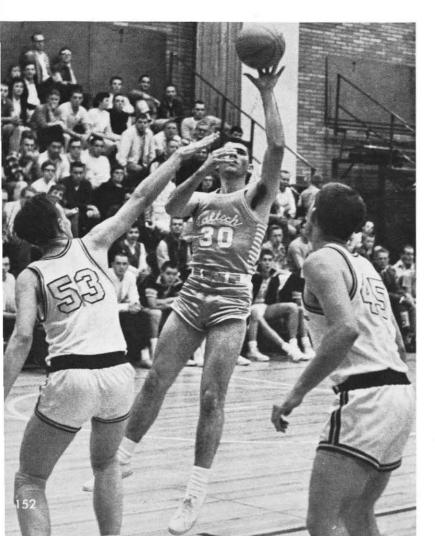
Roger Noll

Newman shooting





Front row, left to right: Mel Holland, Fred Newman, Len Maley, Ron Arps, Larry Brown, Bill Ripka. Back row: Ron Gebhardt—Manager, Jim Farmer—Manager, Dave Blakemore, Dean Gerber, John Arndt, Jim Scull, John Hayworth, Jerry Clough, Ben Burke, Frank Ridolphi, Coach Rock.

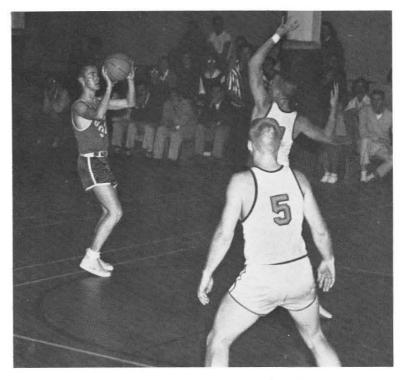


Gerber shooting from the outside.

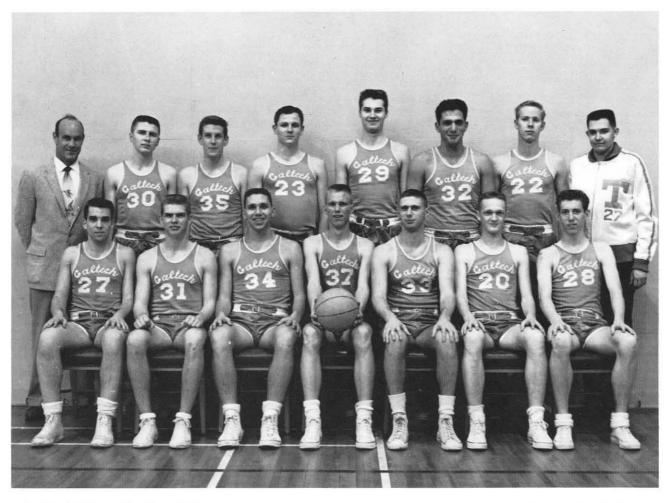
Frosh Basketball

Frosh Scores

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Barry Moritz shooting for the Caltech Frosh.

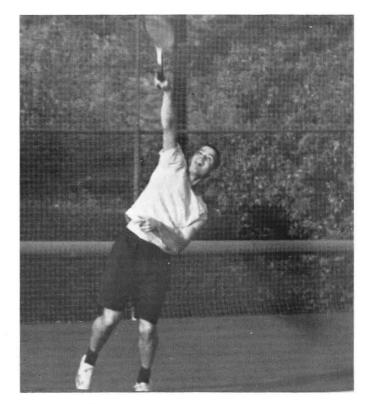


Seated, left to right: Marty Hoffman, Dave Barker, Mike Perlman, Tom Bopp, Pete Fischer, Tom Anderson, Les Tomley. Standing: Coach Ed Preisler, Ernest Anderson, Chris Ehret, Bruce Cheseboro, Karvel Thornber, Barry Moritz, Larry Brookes, Frank Matthews - Manager.

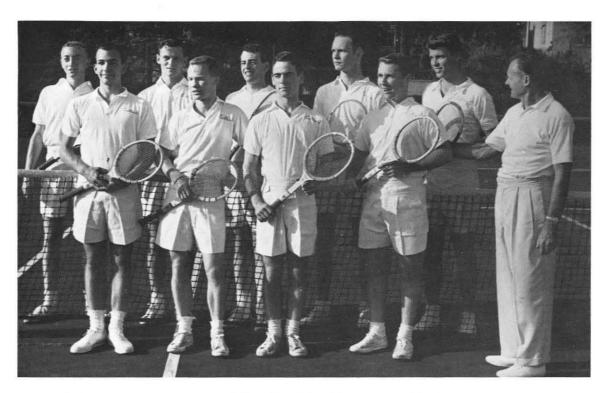
Cennis

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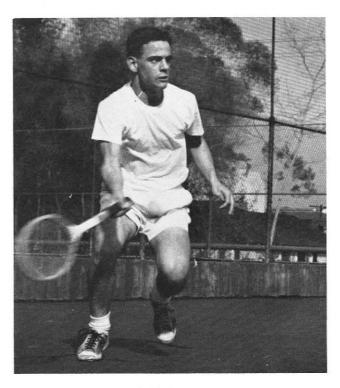
In Tournament Park, tennis balls are hit often . . .



The Varsity Tennis Team, First row, left to right: Cedron Jones, Dave Butterfield, Francis Wilson, Bob Hearn, Coach Lamb. Second row: Chuck Antoniak, Carl Morris, Steve Hechler, Dave Sellin, Dick Hess.

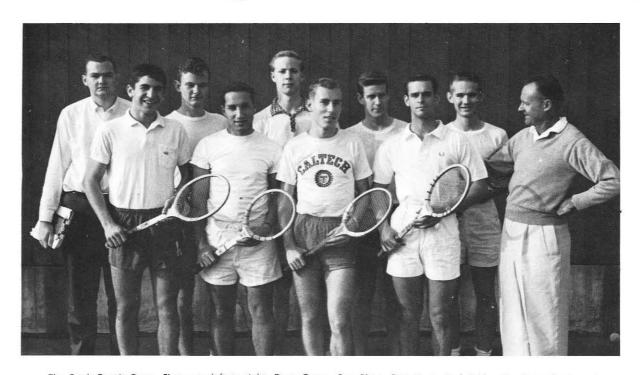


. . . hard . . .

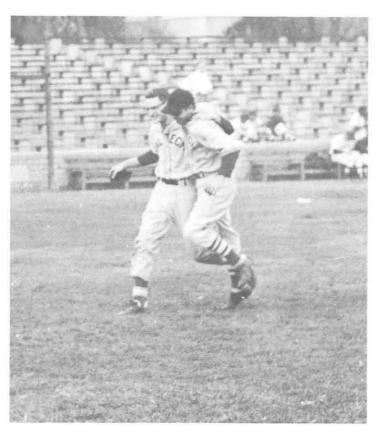


. . . and with determination.

Frosh Cennis



The Frosh Tennis Team, First row, left to right: Dave Owen, Ray Plaut, Don Davis, Ted Gibbs, Coach Lamb. Second row: Jesse Riggs - Manager, Art Robinson, Larry Brookes, Chris Ehret, Steve Leppla.



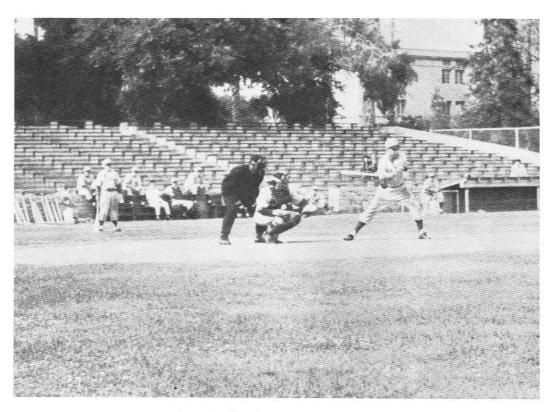
Yes folks, Caltech runners do score sometimes . . .

Baseball

Caltech's 1960 baseball team was perhaps the finest in the league at eight positions, but, as usual, they could not come up with an effective pitching staff. Outfielder John Walsh and shortstop Fred Newman, both, seniors, were better at their position than anyone else in the leage, and Dave Blakemore, who played his fourth different position in four years, turned in another sterling performance. Buzz Merrill again batted well. Junior Skip Stenbit and sophomore John Arndt also were fine players, as was senior Mel Holland. These players deserved a better season than they wound up with, for if Caltech had had one really tough pitcher, they would have finished much higher in the league standings, and would have had at least four allconference players instead of just Walsh and Newman.



Front row, left to right: Bill Palke, Buzz Merrill, Bob Williams, Steve Heineman. Middle row: Jim Sasser - Asst. Manager, Frank Ridolphi, John Arndt, Dave Blakemore, Mari⁴y Kaplan, Hal Kurtz, John Russ - Manager. Back row: Fred Newman, Herm Hartung, Skip Stenbit, Joe Bocklage, Don Nisewanger, John Walsh, Coach Preisler.



. . . More often though, the other team scores . . .

SCORES

3 San Fernando St17	417
0	6 Whittier
1011	11 La Verne 3
1213	8 Pomona 6
19 Cal Western 3	16 Pasadena College12
8 Miramar 3	515
1 San Diego U21	0 0xy 8
7 Miramar 3	8 CMC-HMC 9
7 CMC-HMC 3	15 CMC-HMC 9
	711

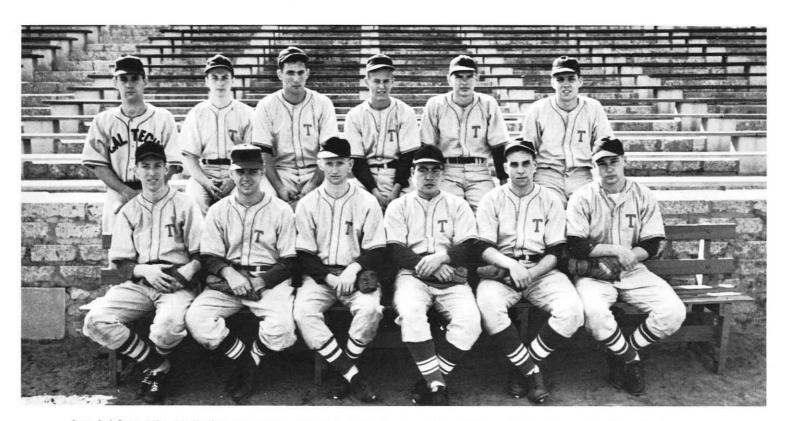
Scores

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9	٠					٠	C	al	Po	ly					e.				15
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0							Ri	ive	rsic	le				٠	٠				54



. . . Although we obviously have the prettiest ball park

Frosh Baseball



Seated, left to right: Les Tomley, Jim Morrow, John Sorvari, Jim Sagawa, Marty Hoffman, Carlos Johnson. Standing: Coach Hunt, Bill Cohen - Manager, Barry Moritz, Gary Osterberg, Dave Barker, Bob Gilman.



Swinging, left to right: Wes Shanks, Ken Larson, Jim Lindsey, Frank Schultz, Jim Sorenson, Joe Cointment, Al Funada.

Golf

The golf team was, if nothing else, well-balanced. The first five men all averaged exactly the same score, and captain Jim Sorenson was only a stroke behind as sixth man. Sophomore Ken Larson played the number one position most of the year, and his return should provide a nucleus to build around.



The Varsity Golf Team, left to right: Frank Schultz, Wes Shanks, Ken Larson, Al Funada, Jim Lindsey, Jim Sorenson, Joe Cointment, Warren Simmons - Coach. Not pictured: Jon Francis.

Crack

Although finishing last in the conference and failing to win a conference dual meet, Caltech's tracksters had some fine individual performances this year. Until his injury near the end of the season, sprinter Dick Klett did very well, working his way down to a 9.9 hundred at mid season. Pole vaulters Ed Cline and Pete Rux improved a foot over their freshman marks, pressing John Weaver for the top spot. And old reliable, Dick Tuft, racked in points at every meet. Since the squad was mainly juniors and sophomores, the future should be better, especially with a few fine frosh stepping into varsity competition.



Laderman goes over.



First hurdle on the Tournament Park straightaway.

Meet Results

Cal Poly 82, CIT 69, La Verne 11 Santa Barbara 50, CIT 45 Second to San Francisco State CIT 63½, PCC 63 Redlands 98½, CIT 32½



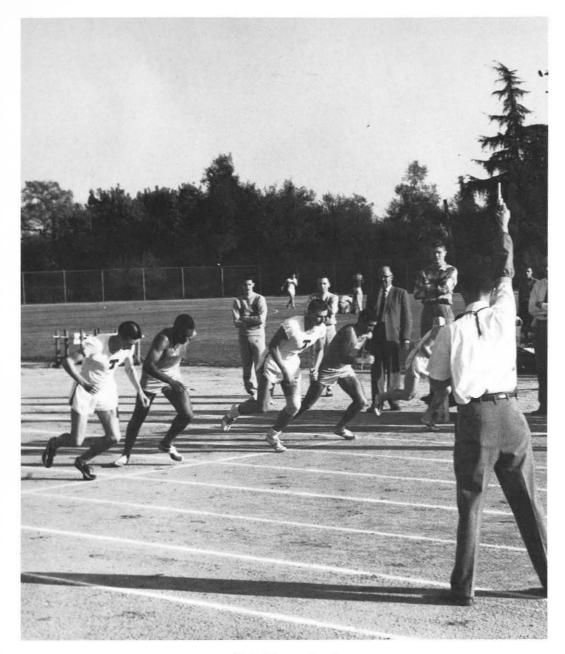
Kneeling, left to right: Jim Lloyd - Coach, Dave Grimes, Warren Teitelman, Larry Sloss, Bill Hassenzahl, Ed Cline, Gearý Younce, Richard Harris, Dick Tuft, Steve Stephens - Manager. Standing: Ron Forbess - Assistant Coach, Mike Engelberg, Jim Klett, John Curtis, Ben Burke, Mike Ruecker, John Weaver, Doug Stewart, Bob Juola, Lannes Purnell, Pete Rux, Coach La Brucherie.



High hurdles, rustic division.



Bodies meeting at right angles . . .



Start of the quarter-mile.



Start of the 220.



Start of the downward lap.

Frosh Crack

The freshman track team combined excellence in some events with total weakness in others to have, as usual, a very inconsistent season. The frosh had one of the finest mile relay teams in the area, only beaten by a step by Oxy in the conference finals. Members were John Lindsey, Jan Dash, Chuck Ryavec, and Will Saam. Al Pfeffer subbed for Ryavec in the conference meet. These five runners are all fine prospects, along with distance man Pat Early.

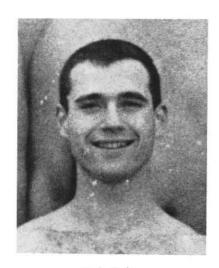


Even Frosh go fast.



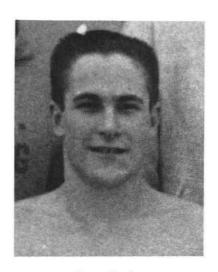
Kneeling, left to right: Dave Windsor, Jan Dash, Al Pfeffer, Jim Williams, Aram Mekjian, Sam Allen - Manager. Standing: Ron Forbess - Assistant Coach, Chuck Ryavec, Will Saams, John Letcher, John Lindsey, Tom Atkinson, Coach La Brucherie.

Outstanding Athletes



Bob Ruby

All-Conference Water Polo

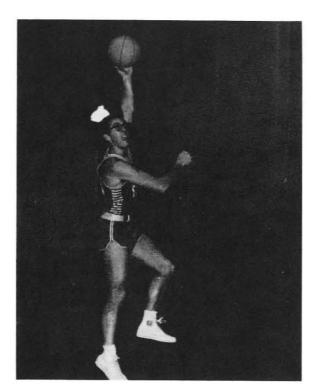


Dave Tucker

All-Conference Water Polo



John Walsh All-Conference Baseball



Outstanding Senior Athlete Fred Newman

3 years—All-Conference Football 3 years—All-Conference Baseball 2 years—All-Conference Basketball Letters in Track and Soccer Vesper Basketball Trophy



Dick Hess Scott Tennis Winner



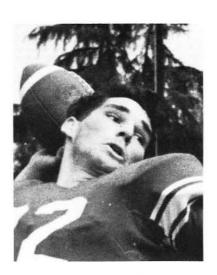
Len Maley Vesper Basketball Trophy



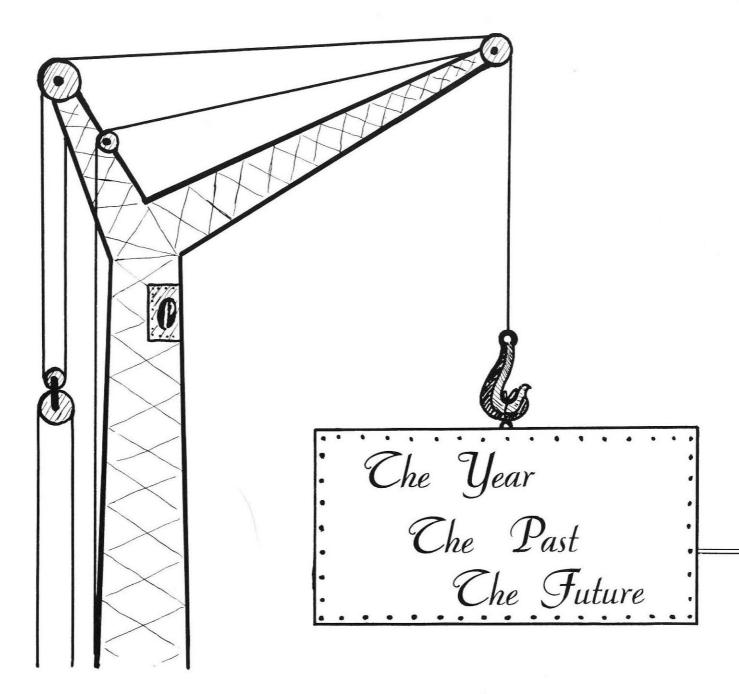
Dick Tuft Goldsworthy Track Trophy



Carl Gottschall



Mel Holland



Over sixteen hundred students have applied for admission to the Class of 1964. One hundred eighty will become Caltech students.

What is a Caltech student? One wonders if there is any simple answer to this question. Each student replying to the ASCIT Executive Committee Poll will give his own answer to the question.

At best, the Caltech student is an extremely complex individual. As an individual, he is acted upon by a wide selection of pressures and conflicts; this year Caltech added a second resident psychologist.

In part, the Caltech student is a politician. During the past year, he held elections. In February of 1959, ASCIT officers were elected. Nine out of ten candidates complained of a lack of communications between ASCIT and the students. The Secretary, Jovin, to whom any lack of communications could be attributed, ran unopposed.

The Caltech student who is not a politician finds refuge in being a member of "the people." During the past year, the Board of Directors moved their meetings to the house lounges and attempted to bring government to the people. The people did not attend; they had physics to do.

If Caltech students are not an aroused electorate, they are a well entertained electorate. Once during the year, they gathered for a discussion of the basic needs of the Caltech student body. The gathering was called an election rally. Unfortunately, this event conflicted with an economics lecture. On that night the Caltech student passed a moral judgment on anyone asking "Where is the auditorium?" The problem was handled with ease by the Caltech student. Evidently, he exhibited social maturity.

But did he? Carnoy did not think so. The Los Angeles Times condensation of the Pasadent Star-News condensation of Carnoy's article notwithstanding, Carnoy felt that as a social being the Caltech student was out of contact with the outside world. Carnoy concluded, "Getting along with girls takes an awful lot of study and homework." Lest one think there is unanimity of thought among Caltech students, Rovainen felt that getting along with girls should be expanded to include study and homework.

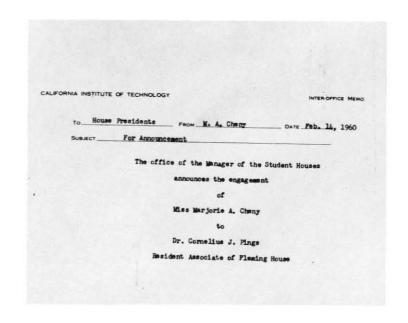


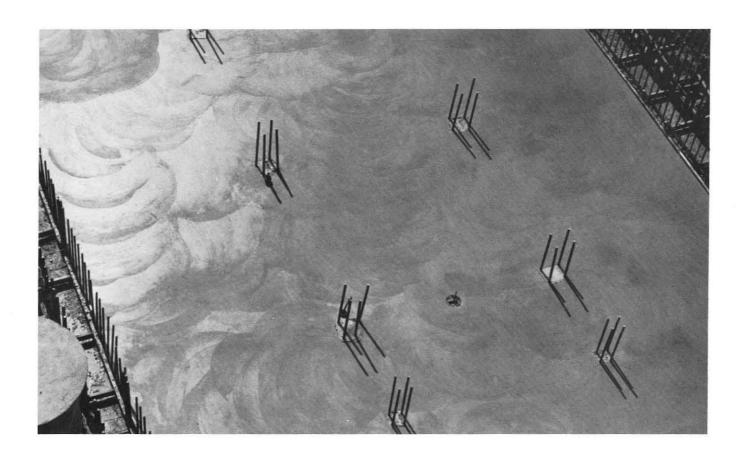


The Caltech student thrives on challenges to established institutions. During the past year, he read two newspapers: the California Tech, the school newspaper, and the Little K, the student newspaper. Both of these publications sought to stir student body thought on the burning issues of the day. However, the Caltech student desires objectivity in all things. Political issues, even "burning" ones, carry an imprecise conotation. As a result, the Caltech student passed resolutions sounding like, "We are against loyalty oaths — we think."

Controversy was not limited to external events during the past year. Three new student houses were coming into existence. In what was a slight understatement, a **California Tech** headline writer said, "New Student Houses Create Problems." How were the problems to be solved?

The Caltech student is close enough to the American scene to have absorbed the "committee" way of doing things. A New Student House Committee was formed, with two subcommittees on population and rotation. During an open meeting on the new houses,







the Caltech student demonstrated his ability at political rhetoric. Evidently the decision on rotation did not appear to coincide with the wishes of the majority. Is there a moral to be drawn?

The existence of these committees indicated the major thing that the Caltech student was doing during the past year. He was preparing for a change. Throop Club constructed its tombstone. The Olive Walk became a symbol, Blacker wondering how they would project music and Fleming wondering how they would project water balloons in this new and untried direction. Dabney wondered where its gentlemen were going, and Ricketts wondered where its Sing Trophy will go. Many signs foretold a change: the new houses, the announcement considering Saga Foods, and the new buildings on campus. Yet the change which is occurring is far greater than any of these individual items. The crane which dominated the campus only suggested the magnitude of the change taking place.

The 1960 Caltech student attended an institution which had grown up over the past forty years. At Caltech, your astronomy professor now lectures the nation on Saturday and you on Monday. The 1960 Caltech student attended the small research institution grown famous. Fame, however, brings

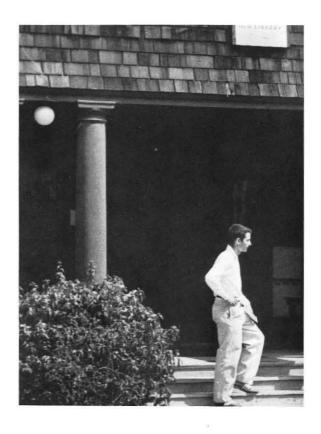
with its responsibilities. The Caltech student receives an excellent technical education. Is he to be solely the product of his technical education?

The Caltech student is provided with the "college life." There were homecoming games, bull sessions, campus romances (Neil and Marge), and water fights. But is a college life with a pervading philosophy of "really care" sufficient? Does Roosevelt's hundredth man, the culturally trained scientist or engineer, come from a blithe requirement of twenty-five percent humanities? Does he come from an institution where the unifying cultural force is Maverick?"

This is the California Institute of Technology. In some ways the "of Technology" is superfluous to many activities here today. Yet it does remind us of a really fundamental change taking place in the civilization we live in. During such a transition, Caltech has a responsibility to make Roosevelt's hundredth man more than a cliche in the catalog.

What is a Caltech student? A Caltech student is the end product of Caltech. The 180 freshmen of the Class of 1964 will come here believing that Caltech has carried out its responsibility. Will the freshmen be disappointed? I hope not.

Joel Tenenbaum





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On the next few pages you will find advertisements from the people who are supporting this annual. Over half the money necessary to publish the 1960 BIG T was supplied by these advertisers. You will notice that many of them offer various services to Techmen while others handle the products which everybody needs. It is our advice that you patronize these people when seeking such services and products. You will also notice a number of ads from large companies who are interested in hiring Caltech students. These advertisements provide a good method of becoming better acquainted with the job opportunities and fields of activity of these companies. We suggest that you use the BIG T as a guide when seeking interviews.

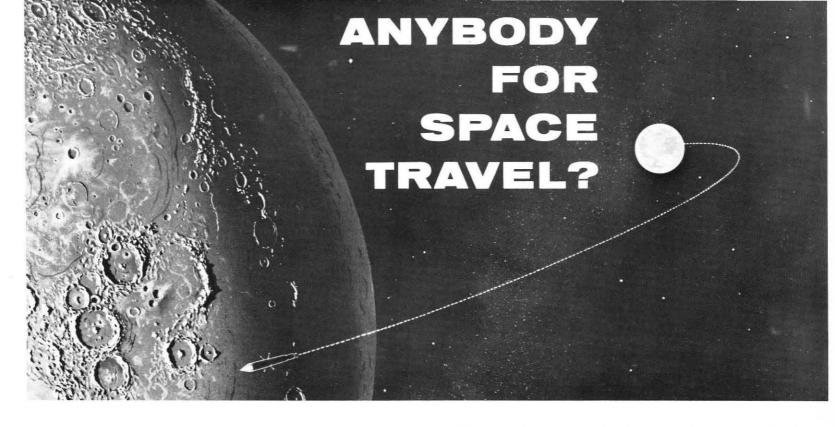
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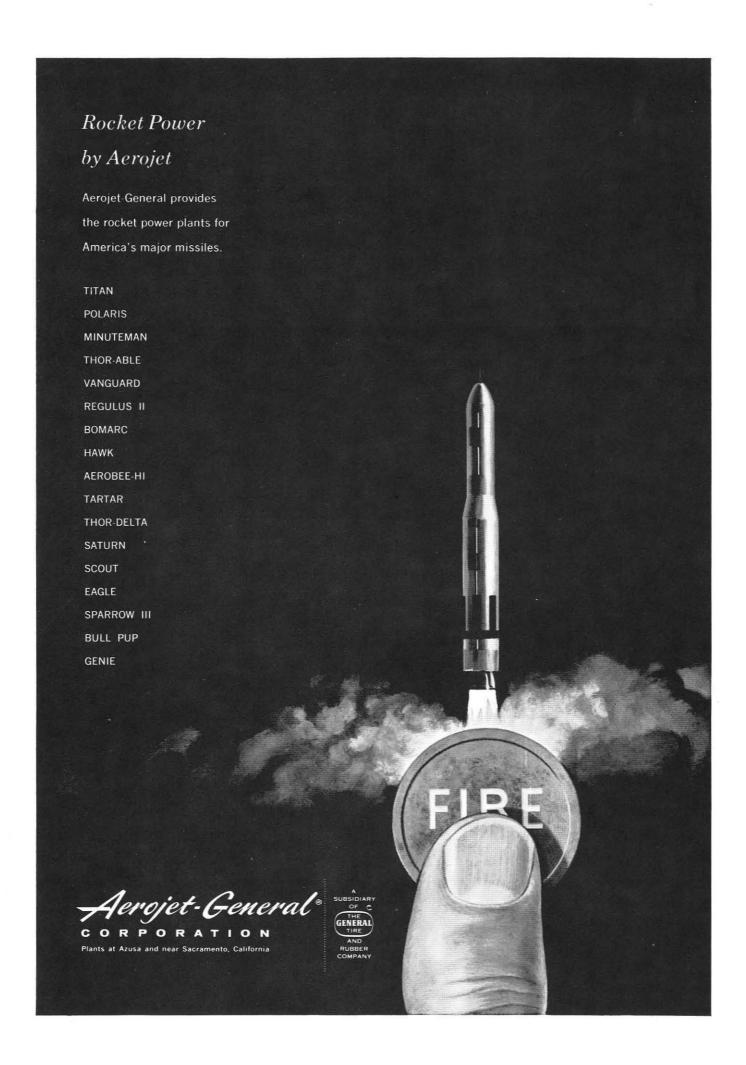
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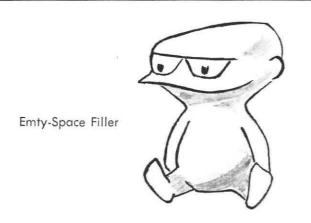
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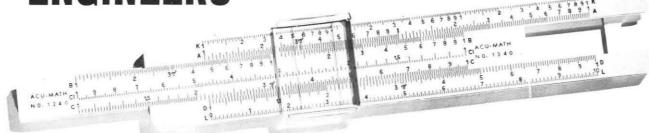
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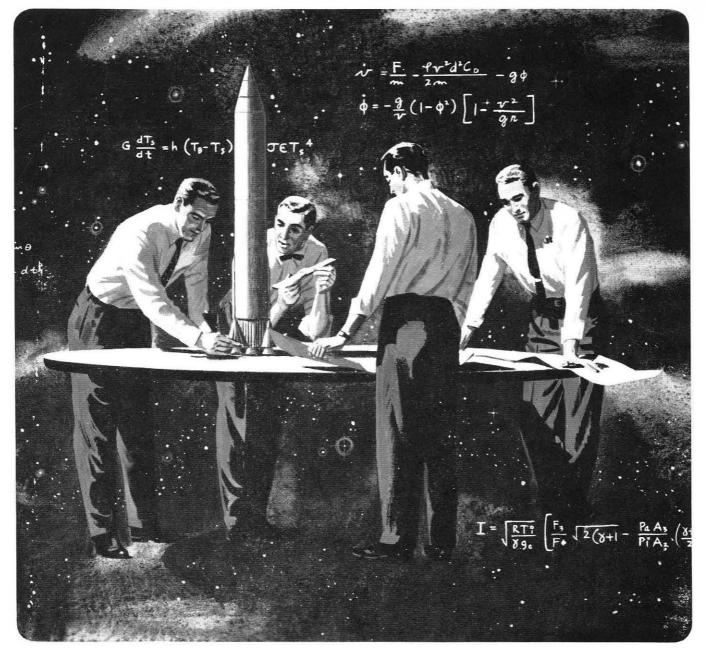
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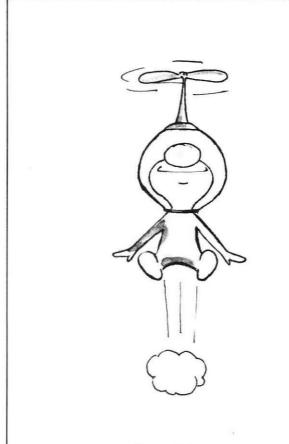


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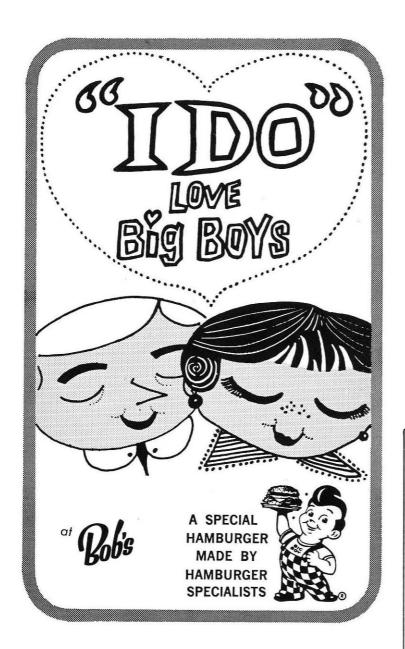
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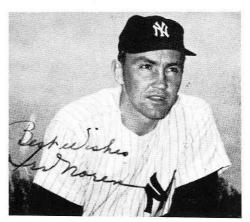


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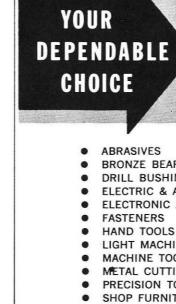
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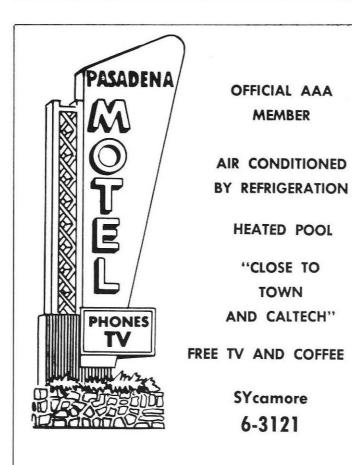
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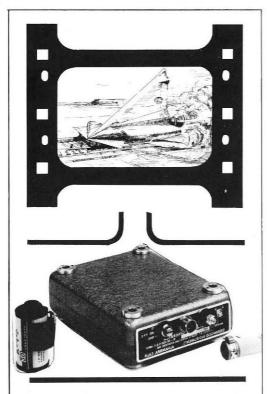
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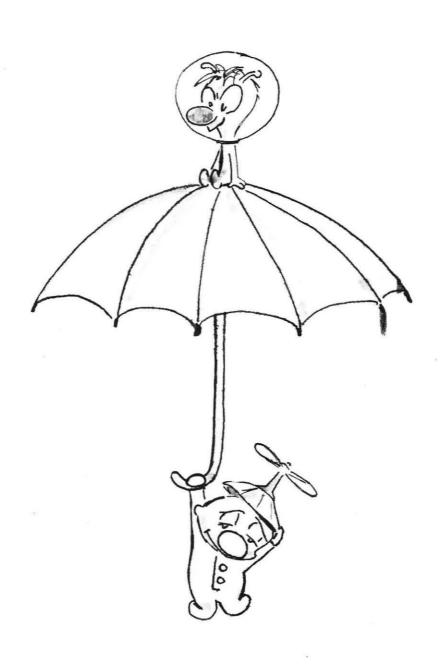
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Advertiser's Index

Aerojet-General17	3 Kloke's	186
Almquist Brothers18	8 Geddes Press	178
Alvin's Camera Shop18	2 Ray Gerhart Co	182
Anderson Typewriter Co17	6 Gwinn's	188
Andrews Hdwe. & Metals Co17	9 The Harwood Co	190
John M. Anslinger & Sons	4 Sid Haupt's	178
Applied Physics Corp18	7 The Independent Star-News	178
Atwood & Pursel18	3 Hoffman & Heartt	189
Barnett, Hopen & Smith	4 Jet Propulsion Laboratory	177
Beckman Instruments, Inc	6 Johnson Motors, Inc	181
Claud Beelman	6 Jurgensen's Grocery Co	172
Henry N. Beets Co18	Robert D. Kenney Co	183
Behrendt-Levy Insurance Co	8 Kobe Incorporated	180
Blue Diamond Co17	2 La Manda Park Market	189
Bob's Restaurants	4 Lee & Daniel	180
C & H Sales	5 E. Lockett & Son	180
California Rexall Pharmacy18	8 Mirror Bright Polish Co	174
Caltech Bookstore	3 Milne Brothers	185
Caltech Coffee Shop17	4 Mock Printing	183
Caltech Pharmacy18	9 Irv Noren's Lanes Inc	184
Campus Barbershop17	2 Oak Knoll Cleaners	190
Carnation Company17	2 The Pantry	180
Chef's Broiler18	5 Pasadena Motel	188
Chet's Mobil Service	7 Pasadena Wholesale Produce	176
Clark Motel18	4 Pitzer & Warwick	181
Consolidated Electrodynamics Corp18	0 Ramo-Wooldridge Corp	175
G. W. Cox & Son18	5 Philip R. Randolph	186
Wm. C. Crowell Co18	6 Roma Gardens	189
Crown Surgical Supply17	8 Royal Laundry	180
J. A. Cruikshank & Co17	8 S. K. Smith Co	181
Dedricks18	7 Southern California Edison Co	176
Dino's18	1 Steed Brothers	188
Douglas Aircraft Co., Inc17	1 Thackaberry Tools	181
Dow Radio Inc18	2 Turner & Stevens	183
Ducommon Metals & Supply17	4 Valley Cities Supply	182
Eaton Flooring18	5 Varian Associates	183
Emmett & Chandler18	7 William Wilson Co	176

Kenneth Fraser, Inc......182



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194

196





Traditionally, alumni are the benefactors of their college. This is no less the case at Caltech, as illustrated by the generosity of Arnold O. Beckman, Gordon Alles and many others, currently, and in years past. Yet, at Caltech, one feels that the contact between the college and the graduate is far from a one-way path, and in fact might be termed a reciprocal relationship.

Through its numerous activities, the Caltech Alumni Association is the group which provides this contact. The president this year is Frank C. Bumb, Class of 1951; the vice-president is Ralph W. Jones, Class of 1938.

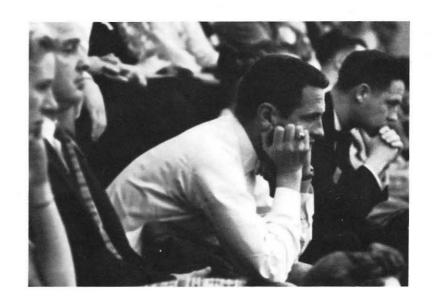


Edited by Edward Hutchings, Jr., Engineering and Science, the Alumni Magazine, accomplishes far more than the average publication of this type. It is a continuing panorama of scientific research as seen from Caltech, a vantage point which certainly has much to offer in the year 1960.

A recent issue contained articles from a view on the exploration of outer space by President DuBridge, to a view of "inner space"—the world of atomic-level miniaturization—by Professor Feynman. In the same issue one finds an analytical treatment of the Caltech YMCA by an inquiring undergraduate.

In its own right, the Alumni Association sponsors many interesting and informative events. Alumni in the Southern California area are able to attend the annual Alumni Seminar, numerous dinner meetings and many other campus events. This year through special arrangements with Claremont-Harvey Mudd, the Alumni were treated to a winning Homecoming Game.

Beyond the Los Angeles area, the Alumni Association has active chapters in New York, Washington, Chicago, Denver, San Diego, Sacramento, San Francisco, and—if one were to take the map outside the Alumni office seriously—Moscow.





To the campus community, the Alumni Association is personified by Donald S. Clark, Class of 1929. To his indispensable job of seeing that the Alumni Office has the prettiest secretaries, is added the more mundane task of supervising the Alumni Placement Service. He is also the Secretary of the Alumni Association, a position he has held since the beginning of recorded time. In addition, each year he leads numerous awe-struck sophomores through the wonders of "Materials and Processes."

Acknowledgements

In closing, I have the dubious pleasure of knowing that the headline "T to take till Tree Time" will be appropriate for the second year in a row. My personal regret is that I could not make the outcome otherwise.

The list of people who deserve mention for making this edition of the Big T possible must certainly begin with Tom Slobko. Tom served as Editor-in-Chief during the first term. He performed the difficult task of recruiting a staff for an apparently invisible yearbook. In addition, the excellent cover was completed under his direction. Jim Blackmon was helpful all through the year. His personal staff, Doreen Hollis, did a wonderful job on the processing of the advertising section. She could even be stolen for some editorial work.

To the completely volunteer summer staff at Queens Village, New York, I am personally very appreciative. My mother unfailingly did a tremendous volume of the necessary typing. Joyce Garter was very helpful in editing and typing some of my contributions, while my brother, Bernard, did an admirable job in processing the Senior Section.

Back in Pasadena, special thanks must go to the publishers, Taylor Publishing Co., for their patience and cooperation; to Jim McClanahan and everyone at Graphic Arts for tolerating some rather weird photographic requests; to the Harvey's for their patience and their excellent job on the portrait pictures; and to Ed Hutchings, Gerda Chambers, and the whole gang at **Engineering and Science** for tolerating the perpetual raids on their photo files.

Finally, I must personally thank the regular staff whose names and faces are up front. At times their inaction was exasperating, but more often their work and cooperation was invaluable.

Joel Tenenbaum

