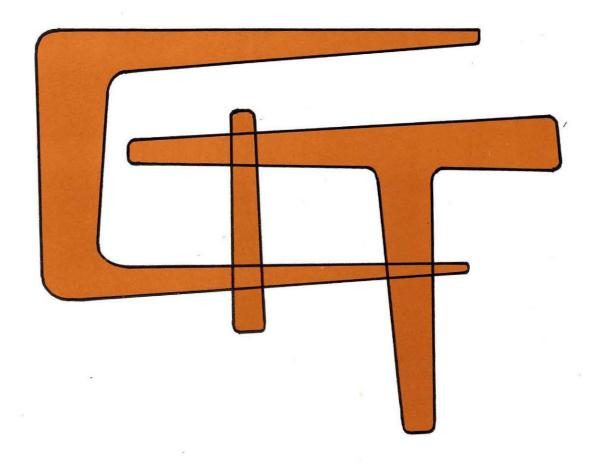
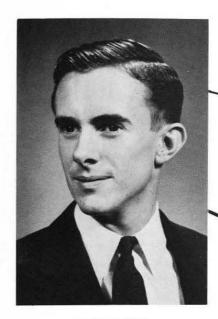


BIGT



1959



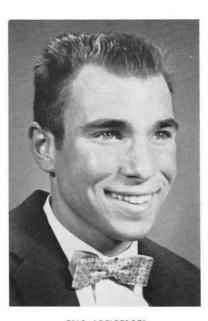
JERRY HANSEN Editor



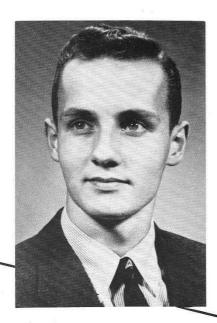
STEVE SCHWARTZ Seniors Editor



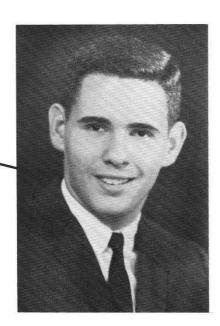
CRAIG BROSI Activities Editor



ERIC ADELBERGER Art Editor

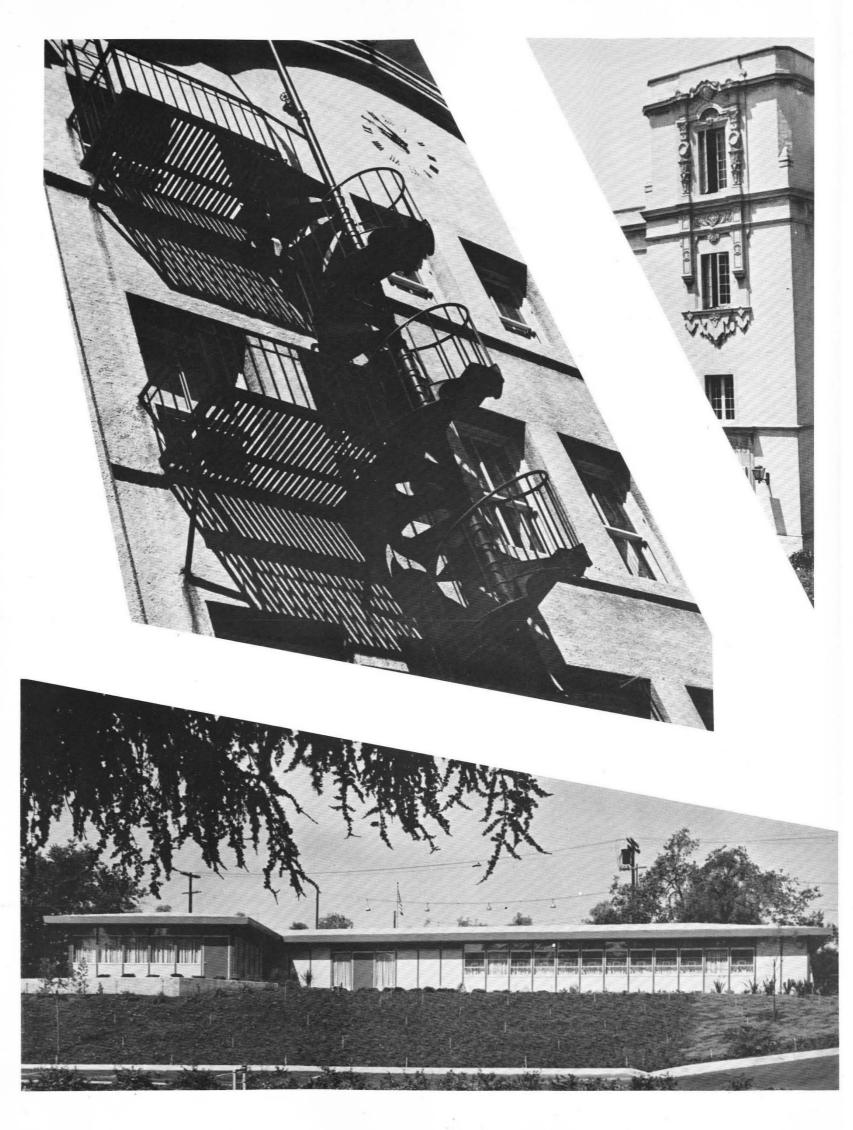


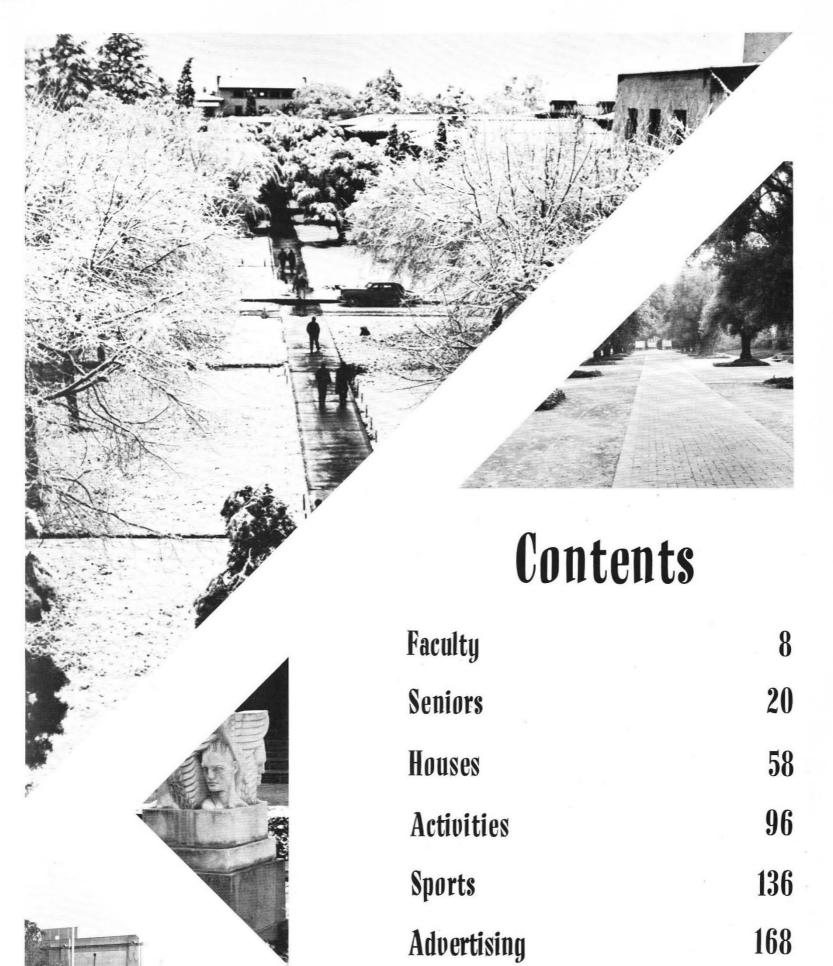
BILL BENISEK and MARTY KAPLAN
Business Managers

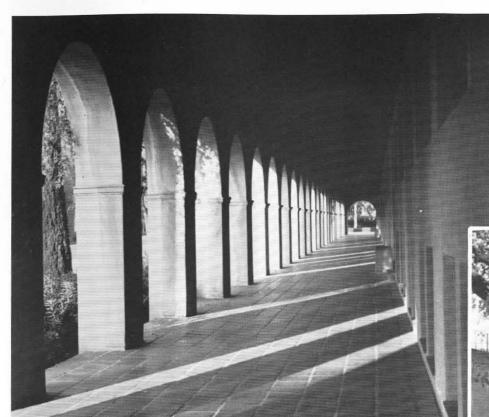


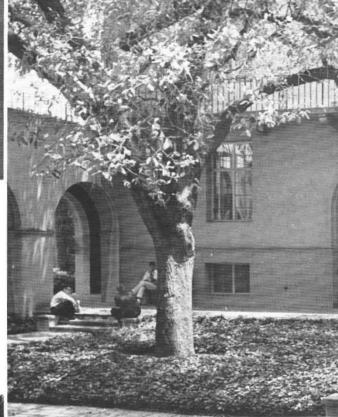


DAVE HIMROD Assistant Editor

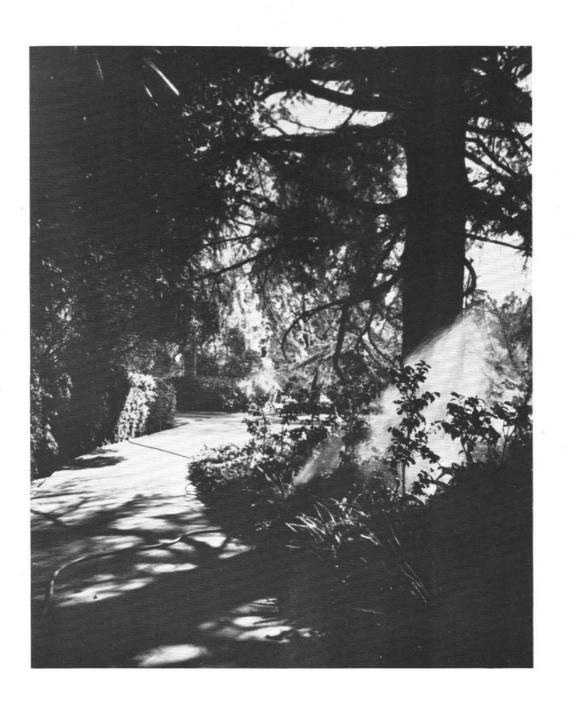








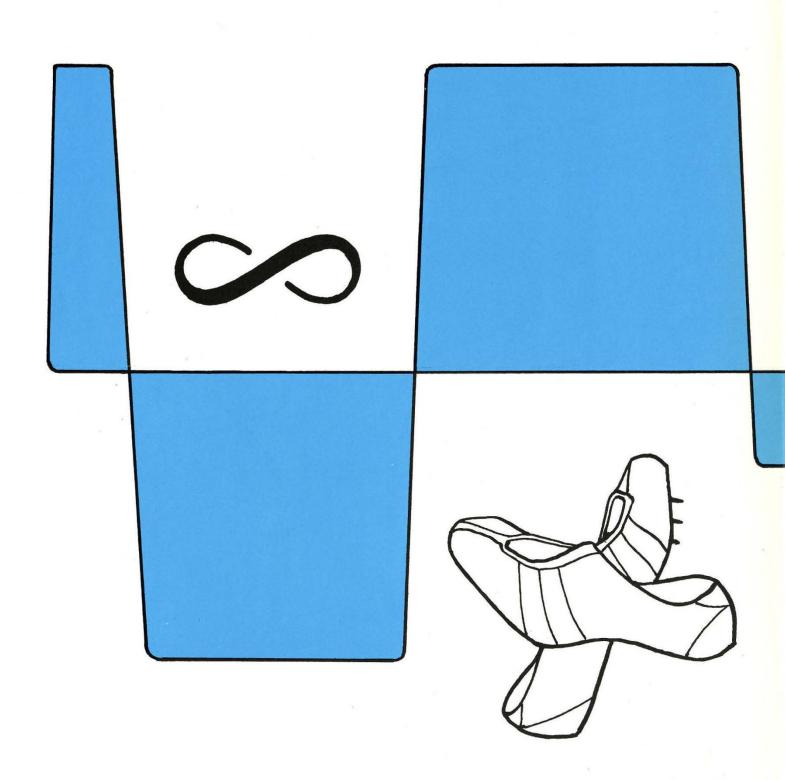


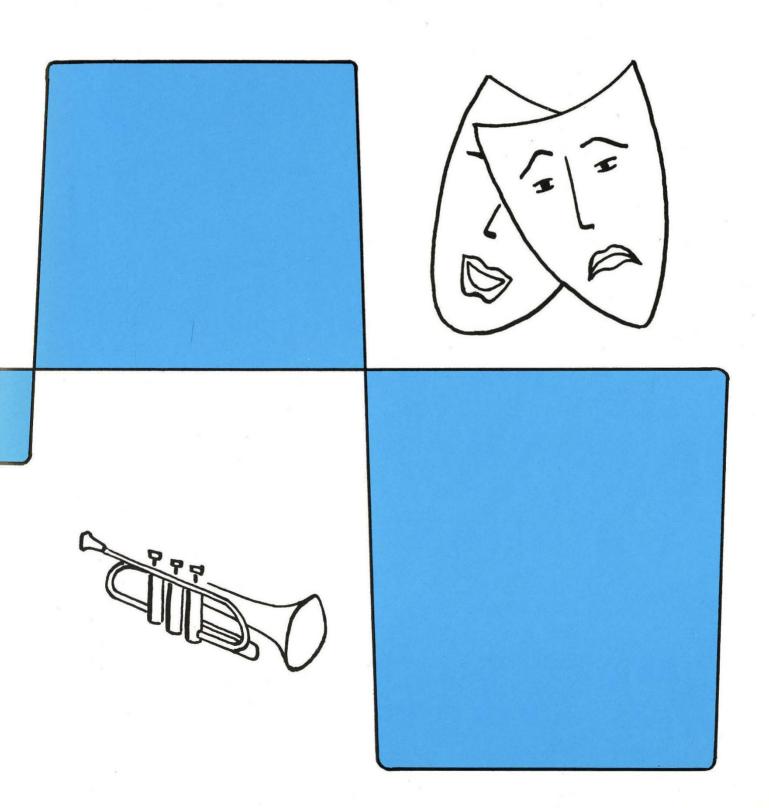


In Memoriam

Daniel Guinier Robert T. Knapp Yuen Chu Leung

FACULTY







Deans



EARNEST C. WATSON Dean of Students







PAUL C. EATON Dean of Faculty



L. WINCHESTER JONES
Dean of Admissions



FRANCIS MAXSTADT Registrar

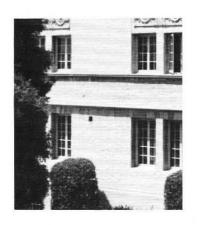


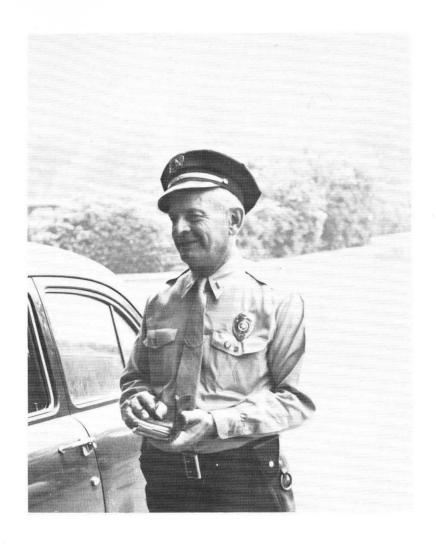
FOSTER STRONG Dean of Freshmen

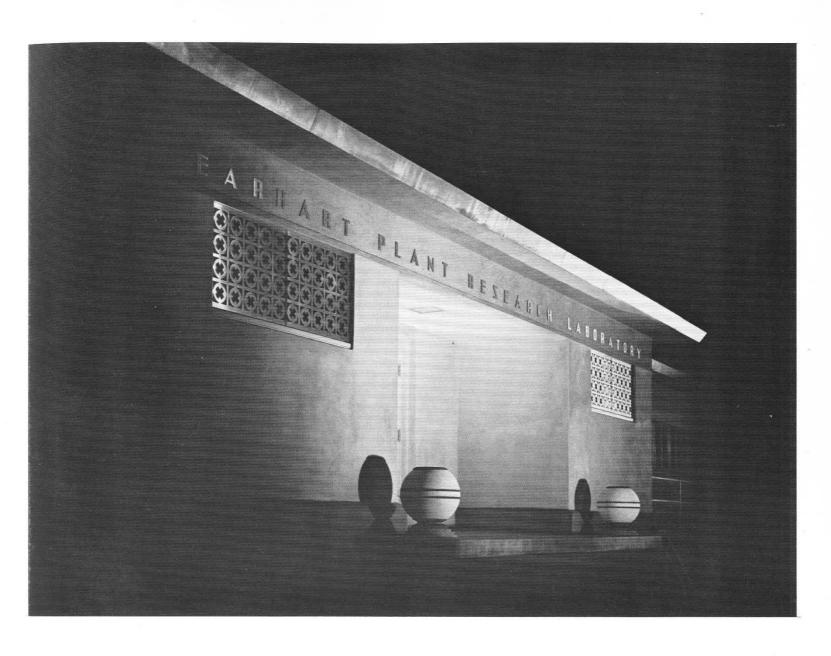


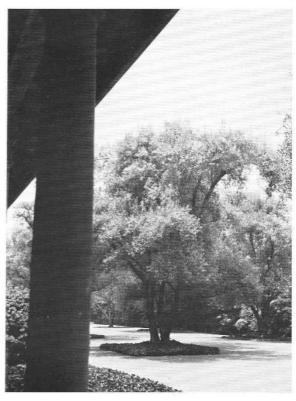










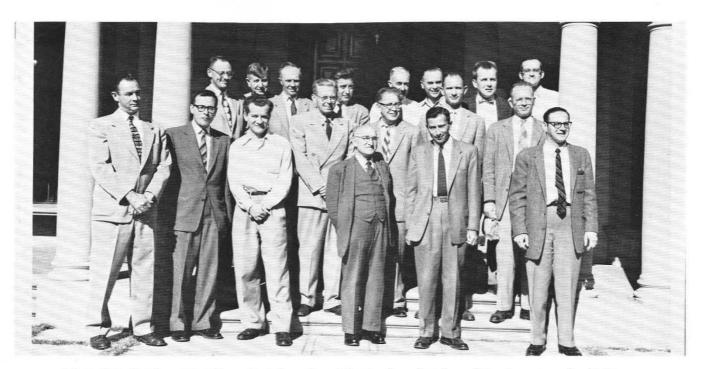




Left to Right: Max Delbruck, Ernest Anderson, Norman Horowitz, Robert Laties, Roger Sperry, Harry Rubin, A. H. Sturdivant, George Beadle, Sterling Emerson, Henry Hellmers, Robert Sinsheimer, Edward Lewis, Geoffrey Keighley.



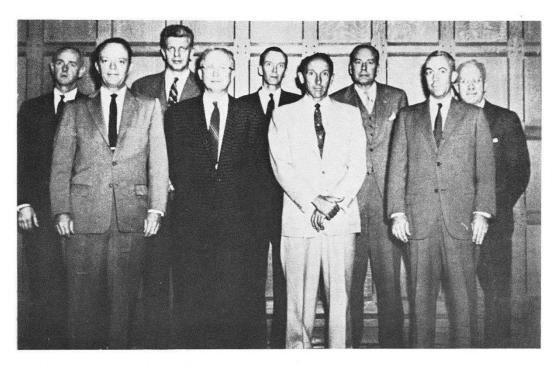
Left to Right: Linus Pauling, Dan Campbell, J. Vinograd, Edward Hughes, Ernest Swift, J. H. Sturdivant, Richard Badger, John Roberts, Carl Niemann, Oliver Wulf, V. H. Schomaker, R. B. Corey, W. A. Schroder, Howard Dintfis.



Left to Right, First Row: Robert Sharp, Frank Press, Samuel Epstein, Beno Gutenberg, Heinz Lowenstam, Gerald Wasserburg. Second Row: Richard Jahns, Victor Benioff, James Noble, Charles Dix, Harrison Brown, Charles Richter, Ian Campbell, Albert Engel, Clarence Allen, Charles McKinney, Leon Silver, Claire Patterson.



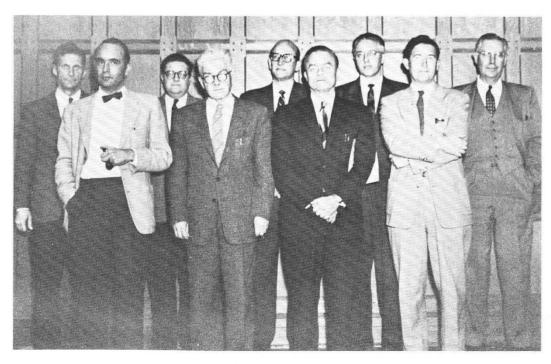
Left to Right, **First Row**: Robert Finn, Frank Spitzer, Mrs. Olga Todd, Arthur Erdelyi, Calvin H. Wilcox, Morgan Ward. Second Row: Richard Dean, John Todd, Frederic Bohnenblust, Brock Fuller, Tom Apostol, John Gary, Robert Dilworth.

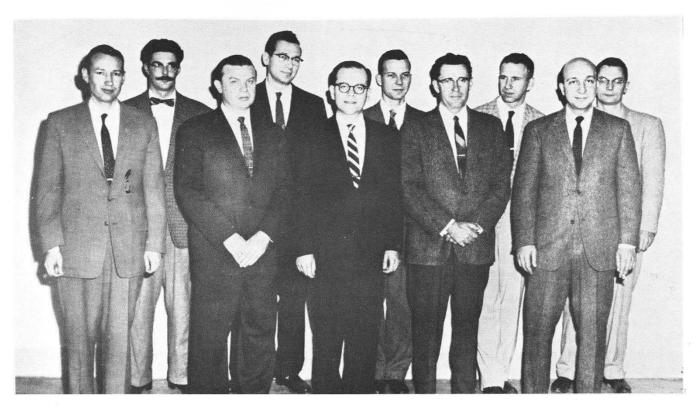


Left to Right: Peter Miller, Hallett Smith, Beach Langston, Paul Bowerman, Rodman Paul, John Weir, Winchester Jones, Edward Hutchins, William Huse.

Humanities

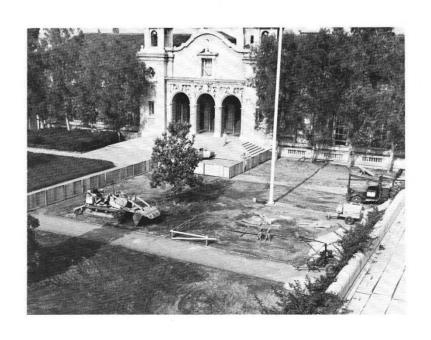
Left to Right: Alan Sweezy, David Elliot, George Mayhew, L. H. Jenks, Melvin Brockie, Horace Gilbert, Robert Wayne, Heinz Ellersieck, Paul Eaton.

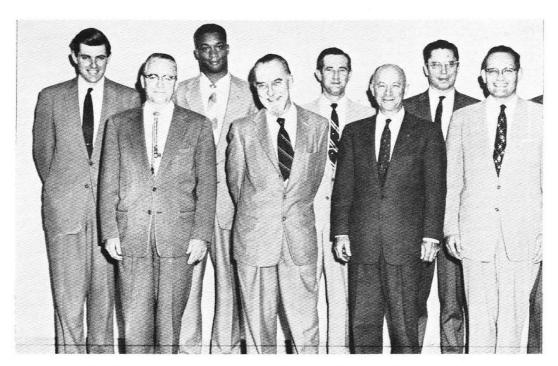




Left to Right: Robert Macmillan, David Middlebrook, Lester Fields, Robert Nathan, Joel Franklin, Hardy Martel, Gilbert McCann, Charles Wilts, Charles Papas, Peter Mason.

Mechanical Engineering





Left to Right: Norman Brooks, Jack McKee, Ronald McLaughlin, Romeo Martel, Calab McCormick, Frederick Converse, George Housner, Alfred Ingersoll.

Civil

Engineering

Electical

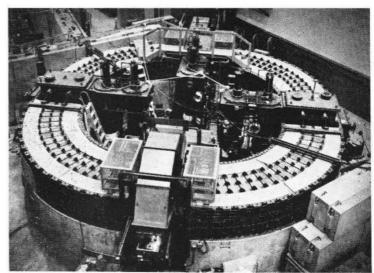


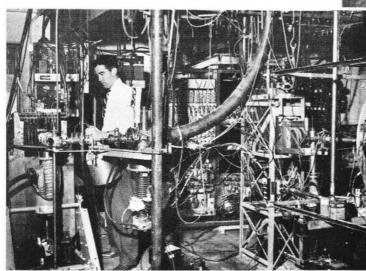
Left to Right: Donald Hudson, Donald Clark, Harold Wayland, Charles DePrima, Pol Duwez, Harald Lurie, Theodore Wu, Thomas Caughey, Rolf Sabersky, Francis Buffington, Julius Miklowitz, Howell, Tyson, David Wood, Frank Marble, Albert Ellis, Lester Lees, Allen Acosta, George Housner, Thad Vreeland.



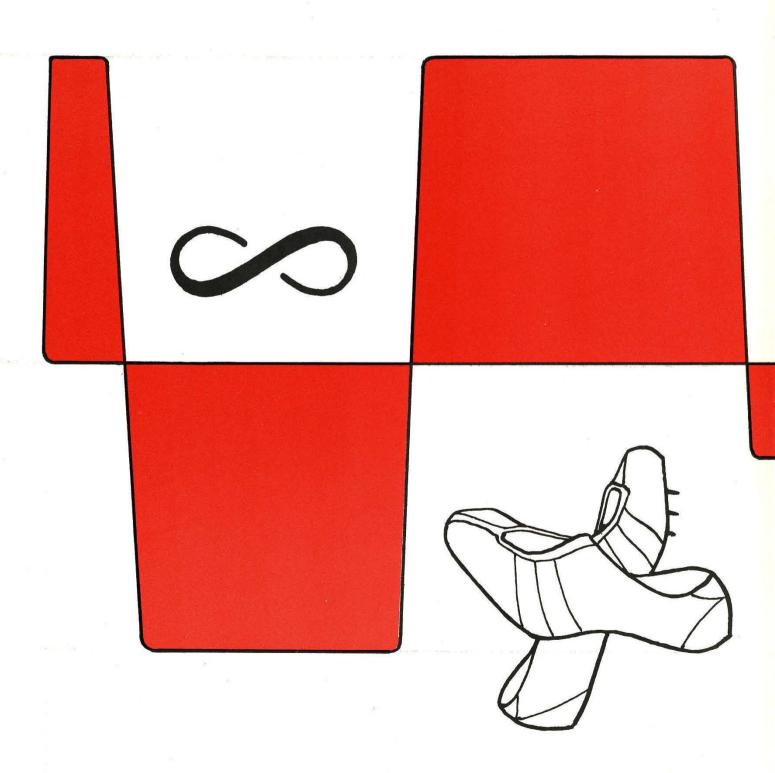
First row, left to right: William Fowler, Charles Lauritsen, Robert Bacher, H. P. Robertson, Jesse DuMond. Second row, left to right: Thomas Lauritsen, Ricardo Gomez, Robert Walker, William Smythe, Foster Strong, Ward Whaling. Third row, left to right: Charles Barnes, Vincent Peterson, Matthew Sands, Eugene Cowan, Robert Leighton, Carl Anderson, R. F. Christy, John Teem.

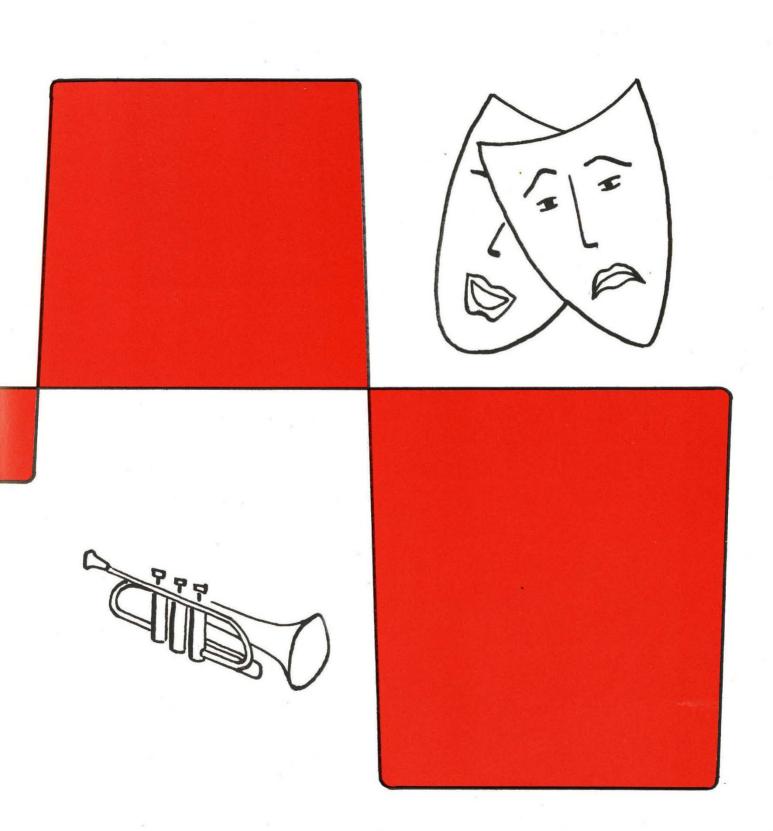
Physics





CLASSES







Left to Right: Eldridge Moores - Secretary, Lewis Linson - Treasurer, Keith Brown - Vice President, Fred Newman - Athletic Manager, Ron Forbess - President.

Seniors

Four years ago, when the class of 1959 entered Caltech, the campus was in the midst of an anti-science cycle. What this means, for example, is that around the dinner table, at frosh camp, and in the student houses, any mention of classwork or of the latest advances in physics or biology was greeted with sounds of hissing from all corners of the room. One of the symptons of this attitude was the fact that in 1955 three of the outstanding men in the graduating class, outstanding in both activities and scholarship, chose their careers in the fields of medicine, history, and law.

Therer was a great deal of effort on the part of the faculty and deans to do away with this attitude at the 1955 freshman camp. Even taking this into account, however, the faculty may have been surprised at the small but significant number of freshmen who took in all that the "cynical upperclassmen" had to say and then responded with statements about the intellectual and aesthetic values of scientific work.

The class of 59 continued to have this positive influence on the school throughout its entire four years, Its members were largely responsible for the creation of the ASCIT educational policies committee and for that committee's many thoughtful recommendations to the faculty on matters of curriculum. It must also be credited with the increased relevancy of ASCIT to student affairs and with a resurgence of interest in the arts at Caltech.

Extracurricular activities of this kind are among the most valuable ones a group of students can engage in while they are in an institution devoted to learning.

Perhaps the most important activity for students, in fact, is to penetrate deeply into their studies, both humanitarian and scientific, so that they may advance as thinking, evaluating **men** and as creative scientists. For the first three years of its stay at Caltech the class of 59 has had more men recognized for academic honor than any other class, and this will probably continue to be true in their senior year as well. There will be a higher percentage of entering freshmen graduating with this year's class than with any class in the past and seemingly in the immediate future.

This intellectual eminence might lead you to suspect that the class would suffer from a lack of wild flaming characters. And that probably would be a fair generalization. But who can forget Wildeyed Lango, leader of the Open Forum; or Noisy Norm Velinty with his big, lovable friend, Dick Middleman? The class will never forget the students who have passed on to other institutions, among whom we must mention simple, gullible Eric Rix and Mike Talcott, the original Eager Beaver who left to write the Great American Novel with his broken pencil. And what other class we ask, could boast the like of Dan Killoran, boy potato; Larry "the Emu" Elmore; modest, unassuming Hal Yura; Fatty Arbuckle; Madman Clarke Bell. Ah, there are names to leave to posterity.

A large part of class spirit in any college tends to be centered around achievements of its outstanding athletes. In this respect the class of 1959 had only moderate success. There have been no really outstanding athletes in sports and only a few very

good ones.

Fred Newman was probably the best single athlete; he made all-conference teams in the sports of football, basketball, and baseball. Along with Newman, Russ Pitzer and John Conover were standouts of the football team. In soccer, Brent Banta, Larry Tenn, and Luis Baiz Duarte were outstanding. Brent and Larry made the all-conference team and Luis received honorable mention.

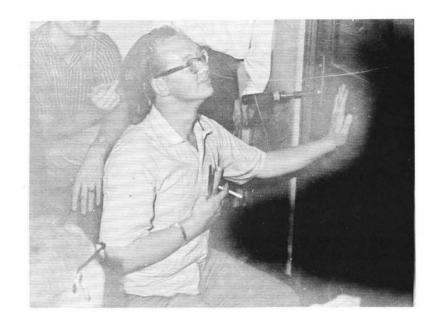
The class showed great strength in swimming, where Don Owings, Bob Blandford, and Keith Brown combined to set several school and conference records and to lead the swimming team to a conference championship this year. This year Don Owings set a Southern Pacific AAU record in the 220 breaststroke.

Tony Leonard was outstanding in track and holds the school 880 record while Frank Cormia has been far and away the best man on the tennis squad for the past four years.

A classmate who cannot go unmentioned was M. James Wilkinson, Vice President, retired, who was a friend of us all. Jim quit school to seek a purposeful life, only six months before his pending graduation, lest he become just another cog in our ever rolling wheel of life.

ever-rolling wheel of life.

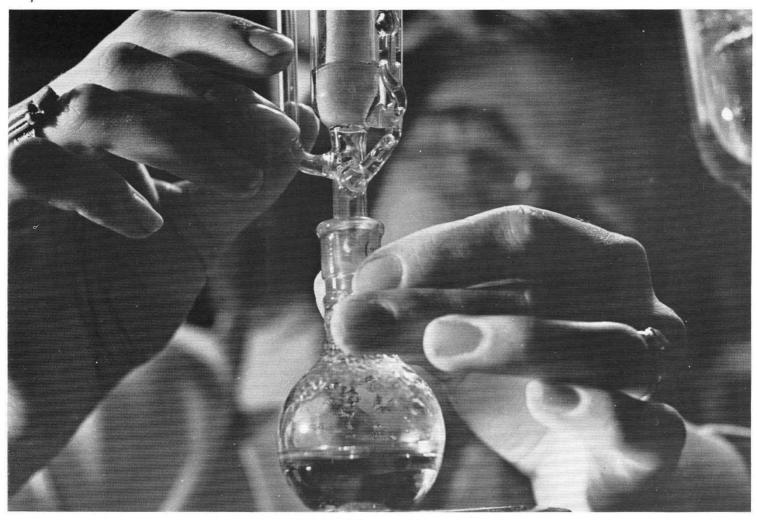
These years that the class of 1959 has spent at Caltech have been relatively quiet. There have been dances, and games, and petty squabbling, and reforms, and pranks and wild nights—but no really passionate crusades at all. Still, there is a tradition of independence and change in this class—a stirring of dissatisfaction. While the class has been at Tech, the space age has begun, the world's population has burgeoned, ICBM's have become a commonplace. Country after country has achieved independence, some have lost their freedom as well. The world's problems are piling up. They may be solved by humanitarian, dedicated, scientifically trained men such as the class of 1959 has a good chance to be.







Chemical Engineering



ARNOLD I. GOLDFORD Fleming

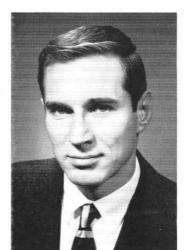
Taking on the social chairmanship in Fleming is a job involving many perils. However, dauntless Arnold took it on, and soon discovered most of those perils; but, risking life and limb, he carried on voliantly to a magnificant conclusion on election night. He gave more concentrated efforts to the Drama club, in which he was Treasurer-manager, Secretary, and President without once striking his nose into a play. He also was active in the ACS, being Junior representative and vice-president, and was a member of the SAE despite his austere '56 Chevy. He has restricted his athletic endeavors to bowling and ping-pong, and those people who have been unfortunate enough to come up against him in these will vouch for his perserverance and trained tactics. He plans to work for a few years, and then return to graduate study.

ROBERT HANGEBRAUCK

This Glendole product, a natural Throop-ite, graced its basketball team and many of its social events. Much of his time was spent in connection with the American Chem Society chapter, while off hours were spent with photography, hi-fi, and fishing . . . a real lifel Bob plans to work for industry or government if possible.







GERALD JACK ARENSON Ricketts, Honor Key, TBP,

Gerry has had a lot of big moments since he came to noble C.I.T. but the biggest was when Judy said "I do". His other big moments occurred when he was elected ASCIT Treasurer, Junior Class President, Soph Class Treasurer, Beaver Club and the prize office of all, Chemical Engineering Club Secretary. He did all of this and still had time to keep an enviable G.P.A. and win three J.V. soccer letters. After graduation Gerry will attend grad school here in Chem. Eng.

Chemical Engineering



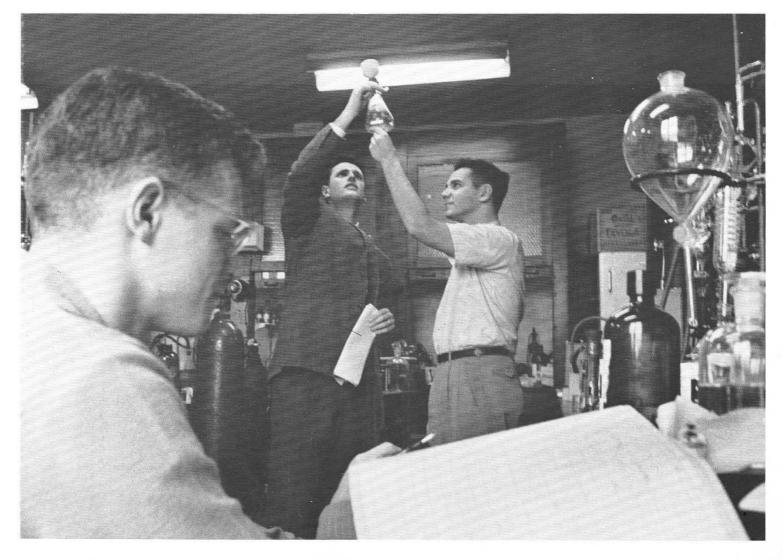
CHARLES RICHARD JOHNSON Dabney, Honor Key

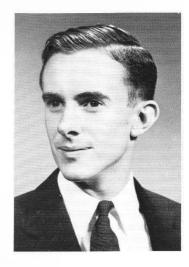
Dick has been an active member of the student body. Academic Honor Standing, Band, Glee Club, YMCA, Beavers, TBP, ASCIT Veep, Dabney Veep, Jr. Class Veep, Ex. Comm., Co-HV. Dick plans to go to grad school at Tech and then study liberal arts in Europe. Dick was very well deserving of all his honors.

DON OWINGS Dabney, T3

Don hails from Rolling Hills California near Marineland, It seems that the water so nearby had a
disturbing effect on poor Don for he turned into
one of the best swimmers that CIT has ever seen.
His specialty, the breast stroke, served him well
on other less aquatic occasions. Don was also
very active on the dry land portion of the Caltech
campus serving as ASCIT Rally Commissioner and
as a member of the YMCA. He plans to continue
on to grad school unless some catastrophe occurs.
We are sure that the competitive spirit which made
him a champion swimmer will make him a champion at the game of life.







JERRY HANSEN

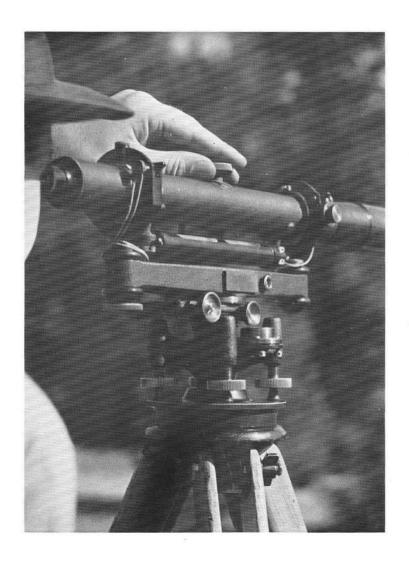
Most people don't dislike Jerry as much as they dislike other people. That's probably because he's active, unassuming, athletic, friendly, and—wonder of wonders—a senior waiter who's actually competent (hear that, Adams?). His accomplishments include the athletic-managership of Blacker and the Grand Mogulship of this-here-now late book. Next year he's off for a sewer's-eye view of the world with the Public Health Service.

Civil Engineering



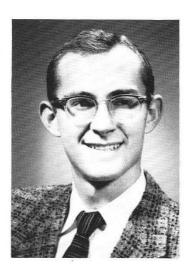
ALLAN R. PORUSH Throop

Al was a cheerful, always present, always helpful guy who came to Tech by way of Alhambra. He served as Throop Secretary and spent much time as ASCE Secretary, and then president. Sports were handled by interhouse and Al was on most of Throop's teams. Al always was a big worker at interhouse time and his face was seen at many social events. Future plans include a M.S. from Tech and then work.



Electrical Engineering





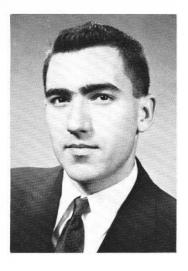
RICHARD A. BAUGH Ricketts, TBP

"Droll Dick," a Port Townsend lad who made good, squandered his Senior year being Ricketts House and Tau Beta Pi secretary simultaneously at the same time. Nevertheless he will probably be best remembered for his wry handling of the Ricketts Head-waitership: "It is my honor to announce the beginning of Lent . . ." His future plans include a travelling junk shop in his Volkswagen and grad school.

CHAI BONG BYUN Off Campus

This L. A. man, due to other concerns, didn't belong to any house; however, he did manage to join the Newman Club and make many friends. His future plans are to get an M.S. at Stanford.





ROBERT E. CHANDOS Off Campus

Bob, although not a house member, was still quite active at Tech. He belonged to SAE, IRE, and the Radio Club. His hobbies coincided with these activites since they include music, sound and amateur radio. Plans are for an M.S. at Tech and maybe more later. Work must combine music and E.E. Big T P 29 15 s 17.3 8 on 10



PHILLIP CLAR Off Campus

Phil, who married after his frosh year naturally had off-campus interests. These now include a baby, Tamara, On campus he belonged to IRE. Hobbies include astronomy, radio, and desert exploration. The future says grad school in microwaves.



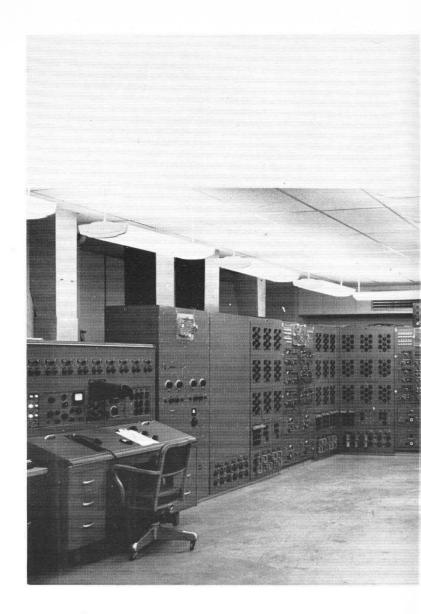
JIM CRIBBS

Jim's ever ebullient disposition has earned him several distinctions in campus life. From his lofty position as ASCIT Head Yell Leader, he has pursued his natural interests in surfing, skiing, volley-ball, and heckling with a vengeance seldom here-tofore seen. Although never one to let loyalty to his option stand in his way, Jim will actually go to work as an M.E. His enthusiasm for house affairs will be sarely missed around Millikan's Pot in the years to come, and some doubt that even time will suffice to eradicate certain indellible impressions he has made on house tradition.

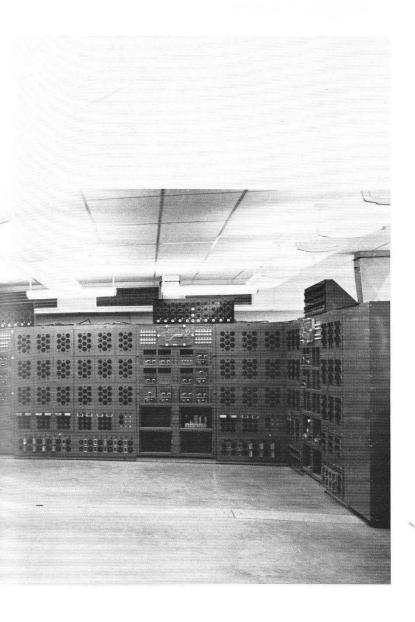


RONALD FORBESS Ricketts, T3, TBP

The Nyssa Flash came here to become a snake and he almost made it but people started asking him to do things like turning out for track and running for class offices. With his usual flair for doing things the right way he won three letters in track, served on the B.O.C. and was elected Senior Class President. In his spare time Ron is designing the most complicated radio-controlled boat in the world. After at least one year in E.E. grad school he plans to work for some lucky electranics company. Pretty good for a fellow from a town with only one street light.



Electrical



Engineering

MICHAEL DeWITT GODFREY Ricketts, Honor Key 3

Mike has been one of the busier lads in the class. He started out by being Co-Social Chairman of Ricketts. After getting married he served as ASCIT Secretary, and President, Ski Club President and Chairman of the Inter-College Council. All of this was accomplished while working helf time and helping pin diapers on little Godfrey. Mike plans to do graduate work at the London School of Economics.



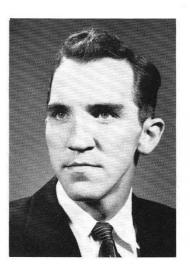
DALE GREEN

Dale was one of the boys to come to Tech on the 3-2 plan and finish with Honor standing. He transferred here after winning everything at PCC. A real live guy, Dale was a constant companion to Throop loungers. His activities included tennis, golf, ham radio, railroading and photography. He belonged to the Student Shop, Band, Christian Fellowship and was an officer in IRE. Future plans include seeing the world, grad school, and wark (in order of enjoyment given).



WAYNE GROESBECK Throop, Tau Beta Pi

Wayne was one of Throops stalwarts when it came to interhouse football and basketball. A wife and two children kept him from becoming more involved in campus life than he was. However, he still managed Honor standing and election to TBPi. Wayne plays and coaches off-campus basketball' and works part time. Future plans are to work in Southern Calif.



H. KENNETH HOPKINS Fleming

In his early days at Tech, Ken rode a motorcycle, wore a black leather jacket and sunglasses, and combed his hair toward the rear, and everybody thought he was a hood. As a matter of fact, they were right. Despite this, Ken has proven himself a very useful member of his house through extensive participation in interhouse athletics of all sorts. In his spare time, he has been a member of the IRE and has built a sports car in his back yard, which he claims will be outdated by the time he finishes it. Next year he will take business administration at Cal, try to avoid the draft, and, if all fails, buy a boot and soil around the world.





TY JACOBSON Blacker

Probably one of the most familiar sights in Blacker house is a fellow with a hooded sweat shirt adorned with meter and earphones who has been known to slip out of walls and ceilings without notice. If this happens to you there is no reason to get excited for Ty has just installed hi-fi into BME. As well as commanding the atta Ty is a working member of the Institutors, student shop, radio club, physics club, drama club, and played JV soccer for three years. This practicing electrical engineer has an eye on grad school.



DENNIS KULI Dabney, T3

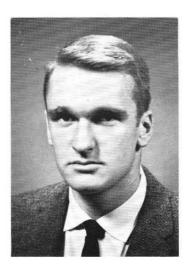
Dennis came to Tech from the home of the Antelope Valley Fair and Alfalfa Festival, and we have found that the country boy can make good in the Big City. Kull has wan almost every honar that his fellow students can bestow. It all started when he came to CIT on scholarship and joined the Physics option. He later became fascinated by the marvels of EE, and his fellows, realizing his intelligence, elected him President of Dabney and the IHC. Denny did an excellent job though burdened by duties as a three year letterman on the baseball team, a member of the Beavers, and a few remaining tasks as Big T business manager. Kull may go to grad school, but it is likely that some electronics company will lure him away from the academic. If any woman succeeds in capturing him, we are sure that bath his wife and his children will be very proud of him, as we are.



J. MICHAEL JENKINS
Dabney

Mike has been involved with a redheaded demon for the past three years so we haven't seen too much of him around Dabney. He proved a valuable asset to the house when he took the time to help us. He was a cheerleader during his junior year, participated in Interhouse sports and was named Comptroller of Dabney during his Senior year. Mike plans to marry Harriett Hughes, a very interesting girl, this summer and then keep right on working for Pacific Telephone until he makes his million. It shouldn't take long.

Electrical



JOE JURCA Dabney

Mighty Joe Jurca has led a very active life at Caltech. He was a Dabney athletic manager and an Upper Class Committeeman. Besides being athletically endowed an scholastically able, Joe was also socially active. At most of the Party-Parties Joe was the spirit of the party whether he had come with or without a date. Joe plans to attend Grad School at Stanford before venturing into the Industrial field, where his drive, enthusiasm and talent should make him very successful.



ROBERT M. LEBOVITZ Dabney House

Bob has entertained the men of Dabney with his musical talent for quite a while. "Man, this cat really beats that crazy Congo," is a comment frequently heard when Bob decides to play. He won a scholarship for his technical ability but he might yet turn from science and become the King of the Congo.





DAVID G. LUENBERGER Dabney, TBPi

One of the brightest men in the EE option, Dave was constantly beseiged by the men of Dabney for aid in various EE courses. A lot of other people were always in his room basking in the warmth of his smile and personality. Not a snake Dave added his talents to the water polo teams as well as the Dabney Interhouse teams. He plans to go on to grad school until he gets a Ph.D. then teach at the college level. We hope that he is not sucked into industry for the teaching profession needs men of his superior caliber.



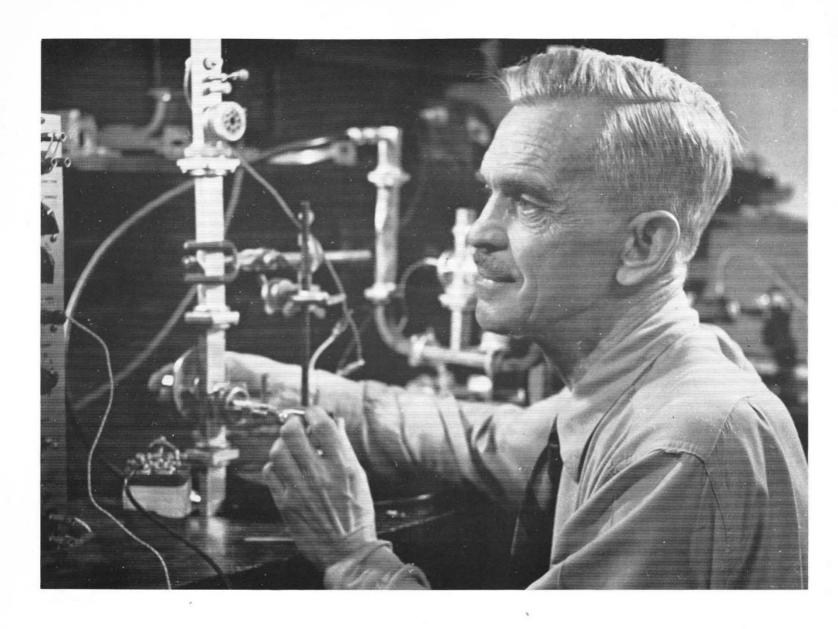
LANNY L. LEWYN Dabney, T2

Lanny was always one of the most socially active members of the senor class. Lanny led the way for a large number of the seniors in the house as he married a very charming girl last Christmas. He has not been less active around the campus though. He is still one of the top EE's at tech, and he is a real addition to the track team. Lanny plans to go to graduate school here and then settle down with his bride and raise a large happy family. We wish them the best of luck in this American game.



RAY E. MAGDELANO Dabney, T2

Ray came to Caltech in a hopped-up, cut-down, fast little car. He has recently turned from his love of cars to love of Rita. The quiet is almost to much for the Pasadena men in blue. Ray has dane very well academically, though basketball took a great deal of time from his studies. He served on the Upper Class Committee in Dabney last year and did a very fine job with the men of his alley. He plans to take this knack of leading people and use it in industry ofter a year of grad school has passed its married way. We predict a rich rewarding life for this fine Californian.



Electrical Engineering



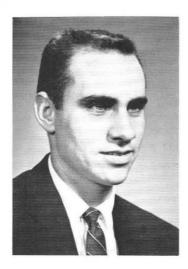
ROBERT M. PAILTHORP Fleming, T3

Bob has combined his intense interests in high fidelity and sport cars in a unique manners if you desire to hear a road race, complete with up and down shifting, scheeching tires, and roaring motors, in high fidelity, just contact him. He also maintains a complete library of unearthly sound effects of all sorts. As a senior, he has built a magnificent empire consisting of Chairman of the SAE, Foreman of the Student shop, and Big Arm of the varsity water polo team, he also lettered in swimming, is a member of the IRE, and received an Honor certificate. Next year he will attend grad school, either here or at MIT, and people desiring vacation transportation back to Oregon will probably have to take the train, which, we are given to believe, will be considerably safer.

DENNIS LORIN PAULL Dabney, T2

This fine Californian has proven that no man is predictable. For many of us thought that Dennis would quietly go about amassing a fortune with his Pepsi machine, however he has become one of the most active men in Dabney. He served as Historian and as ASCIT photo chairman. During his Junior year he became interested in track and promptly won a letter for his ability in the distance races. As of late he has become one of the most steady customers that the Social Chairman has for he goes to almost every party. We hope that Dennis decides to stay in the area when he goes to work this next year, for we would like to see him around Dabney.





JOHN PETERSEN Throop, Tau Beta Pi

Jack was one of Throop's athletic landmarks as far as talent. He served as Throop athletic manager for one year and also served as Tech's Frosh Baseball Coach. He combined these with honor standing and TBPI. He is a great collector of records when not studying. The future holds two years as an officer in the Navy and then grad study and work

TERRY O. TEIGEN Dabney

Terry came to us four years ago from the wilds of South Dakota by way of what he calls beautiful, bountiful Orange County. Orange County is not the most beautiful place on Earth, but if Terry is any example the place is definitely bountiful. During his stay at Caltech the "Old Contrast Provider" has proven himself a real asset to the house. He has participated in almost all of the Interhouse contests, and in addition has served the house as a UCC and as Athletic Manager. Terry is letting Stanford and CIT fight over his mighty frame. They both want this highly intelligent guy in their graduate schools. He plans to escope from the academic after a year and become a typical member of the working class by going deeply into debt for an Austin Healy.





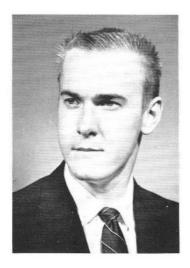
JOHN J. SCHUSTER Off Campus

Johns life at Tech was centered on his studies. Their importance to him paid off in his graduating with honors. John belongs to IRE and will do EE grad work at Tech.

WILLIAM LOUIS WAGGONER Off Campus

Bill, when not studying, has devoted most of his last three years to his wife and son. This left very little time, but he still managed to belong to IRE. His frosh year was in 51-52 and it was followed by a tour of duty in the U. S. Novy until 1956.





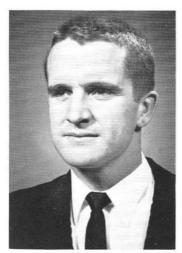
JOHN IVER STENE Throop, T2

John is another 3-2 man who served his initial time at Oxy where he made Phi Beto Kappa. At Tech, he was Throop social chairman while married and served as the Republican stronghold in the large lounge. Basketball was John's strong point for he made all-conference and served as team captain. He also graduated with honor. Future plans are unknown.

WILLIAM Y. WONG Off Campus

Bill's activities have been mostly away from Tech. When studies are over, he spends his time reading, dancing and playing basketball and ping-pang. He is an officer of the Chinese Inter-Club, Bill plans to work in Industry.





JOHN M. STEVENS Fleming

John, who hails from San Diego and is a Navy veteran, was married his freshman year and since then has devoted most of his time to his wife and their son. He has found time to participate in interhouse athletics, though, especially track and volley-ball, and is a member of the IRE. As a freshman, when still on campus, he was a member of the Pigalle showering squad; off campus, he had won honors in judo, which did not harm his ability to dispose members of other houses. His future plans include continuation of his computer work and a degree in Business Administration.

PAT C. YOUNG Off Campus

This local man's interests kept him from becoming active in campus organizations. His time here was spent on academic activities, only. Hobbies are musical in nature. Future plans are undecided.





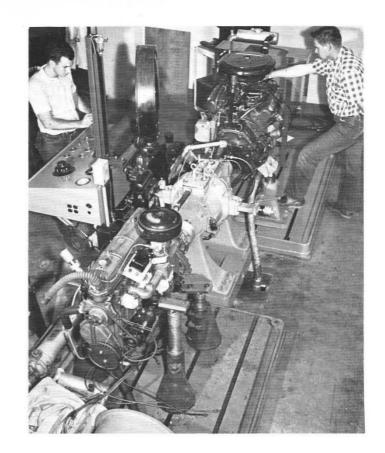
GUS AKSELROD

Gus' basic difficulty is that everybody likes him, and considering what he has to work with, he's overcome this handicap very well. Gus has participated in all the yummy activities that make a House a home, including a highly successful stint as president. He has a history of making the scene wherever there's a scene to be mode; and nobody can wrap Mrs. Hale around his finger like Gus can. Now he's going to Stanford for more of the same.



EDWARD R. BATE, JR. Ricketts

Ted has mode an outstanding contribution to the art of Interhouse Dance decorating. He also did the amazing feat of redecorating a student house room to make it look like something out of Playboy. Ted has been manager of the swimming and water polo teams for three years the claims he doesn't like P.E.) His hobby other than art and architecture, is growling at people who refer to his hometown as Frisco. Ted is coming back for a Moster's in M.E. and then who knows?



Mechanical



FRANK W. CHILDS III

Frank the extrovert came here from Omaha to have a good time and succeeded admirably well. He devoted a lot of time to interhouse and varsity track and football and interhouse diving. Frank spent three glorious quarters as Co-social Chairman of Ricketts House without flunking out, getting an ulcer or spilling a drop of punch. After graduation Frank will make all of his dreams came true by getting a job in Southern California, buying a sports car and getting married.



ANTHONY J. IORILLO Dabney, Honor Key

Tany was a J. T. Thorpe scholar and will soon be a Hughes Fellow. In addition to having a fine technical mind Tany had a great love for show business. He was chosen ASCIT Social Chairman and gave Tech the best social schedule its ever had. Tony is also an astute student of mankind and has found that through a game called poker one can turn knowledge into profit. He plans to turn some of his hard won knowledge to profit at Hughes upon graduation. We feel that Mr. Iarillo will someday add the Golden Beaver to his present Beaver and Nomi pins.



CHARLES K. DANIELS Dabney

Chuck came to Caltech from the watery wastes of the U. S. Navy. His stories of the Sea, while different from those one thinks of, are quite interesting and amusing. Being a Navy man, he was married before many of us were dating regularly. He has a great many hobbies including autos, wife, hi-fi, wife, electronics and like many of our modern western heroes—pistol shooting and philosophy. Chuck hopes to attend Harvard Business School and later go into engineering administration.



GERHARD JOACHIM KLOSE Ricketts

Gerhard was smuggled out of E. Germany to sing in the Glee Club and was a steady performer except for the period when his voice was changing. His athletic endeavor has been confined to a relentless 3 year struggle to make the 4th string varsity swim team. An M. E. to the core, he spends his spore time reading sports car magazines, the S.A.E. and A.S.M.E. Journals. Gerhard will go an to get his Ph.D. here before going out into the cold cruel world.

ANTHONY LEONARD Ricketts, T4, Honor Key

Not content with being about the nicest guy you'll ever meet, Tony took off a little spare time to manage ASCIT athletic affairs, coach the crosscountry teams, play three years of football, and run four seasons of track. In the process, he earned the Goldsworthy Track award and an Honor Key, as well as the undying gratitude of a multitude of classmates whom he carried through the Engineering Option. Nuclear Engineering at Stanford is the next big step for this loyal Beaver, but its a fair bet that he'd rather be down at Doheney, riding the waves with the 'boys'.



RICHARD F. LONG Ricketts

The "Man with the Golden Ear" has spent four busy years trying to assemble the loudest hi-fi set in the world. Dick has also participated in interhouse diving, volleyball and bowling and his biggest ambition is to have his own pipe organ. Dick is looking forward to grad school and stereo.



DAVID C. SPENCER Fleming, Honor Key, T2

KIRK A. POLSON

Fleming, Honor Key

Fleming has had a unique succession of people in

recent years: starting with Herb Rauch, affectionately known as "boy", through Phil Thacher who

was "boy squared" to Kirk, who rapidly became known as "boy cubed" for his singular features.

plished great things in his years at Tech: it must

be that people take pity on him. For instance, he

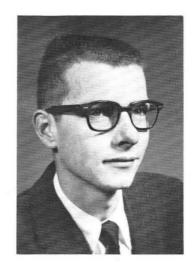
managed to acquire the presidency of Fleming House and a wife as well, despite the concentrated

efforts of the Women Are Evil Club. He has also held various other house offices, been a member of

the SAE, Sailing Club, YMCA, Beavers, Educational Policies committee, Student-Faculty Relations Committee, and Gnomes, worked on the California Tech and been business manager of Farrago, managed track and baseball, and became well known for wrapping his MG around a tree in front of a little old Pasadena lady. Next year he will work; he may eventually go back to grad school in business.

Despite this handicap, though, Kirk has acco

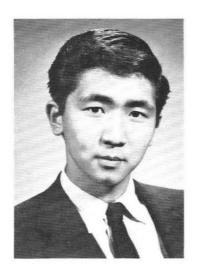
Never should the name of Dave Spencer be whispered without being reverently linked with the term "empire." Freshmen think he invented the word; seniors know that he made it famous. The First Spencerian Empire, like all of its kind, started unobtrusively: a post on the California Tech, and an undermanagership in Basketball. But as the leaf produced the bud, and then the full flower, so grew this mighty empire: through membership on the Educational Policies Committee, Rally Commission, and Student-Faculty relations com strong footholds in the SAE and Sailing Club, and ASCIT BUSINESS MANAGER, from which lefty position Dave bestowed favours and pleasant smiles on all his adoring minions. Meanwhile he managed to keep on managing, and was treasurer of the Beavers too. Next year, while his empire crum-bles into dust, Dave will be in Business school; we are all sure he belongs there.



Engineering

KENNETH A. MURAOKA

Ken is the fastest swimmer in the school for $12\frac{1}{2}$ vards, but then his passion for claars catches up on him and he is about fifth fastest for the shortest legal distance. However, this is good enough to give him many points in interhouse swimming meets. He also plays very good ping-pong and volleyball and scores high in bowling, and generally makes any opponent look hopelessly uncoordinated in almost anything. He has belonged to both the SAE and the ASME at Caltech. If he doesn't get a job for the coming summer, he will ride a surf board back to his home in Hawali.



LAWRENCE F. TENN Fleming, T4

Larry hails from the land of fine rum: the island of Jamaica. Behind his perpetual grin is a very versatile personality. He served on the frosh tennis team, played ably on the varsity soccer team for four years, and participated in a wide variety interhouse sports. He was treasurer and then President of the campus Newman Club, and spent a turbulent year as Fleming House headwaiter. Next year we imagine he'll go back to the little girl he left in Kingston - town



FRANK A. NOWAK Ricketts

Frank the frustrated astronomer saw the light when someone told him there is no money in astronomy so he switcher to M.E. His honest face helped to get him elected Junior Class Treasurer and he lists his hobbies as star gazing and philately. After consulting his horoscope, he has decided it would be a wise venture to start filling his pockets with money immediately after graduation.



Fleming, T4

Don is probably the only person in school who can tread water with his swim suit showing, and has used this talent along with his rapid reflexes to be an all-conference water polo goalie. He has also lettered in varsity swimming and has demonstrated his athletic prowess ably in a variety of interhouse sports. He lists "women" under both activities and interests, but fails to elaborate on the subject, possibly on the theory that actions speak louder than words. His plans for the future still hinge upon the whims of certain organizations.



Aeronautical



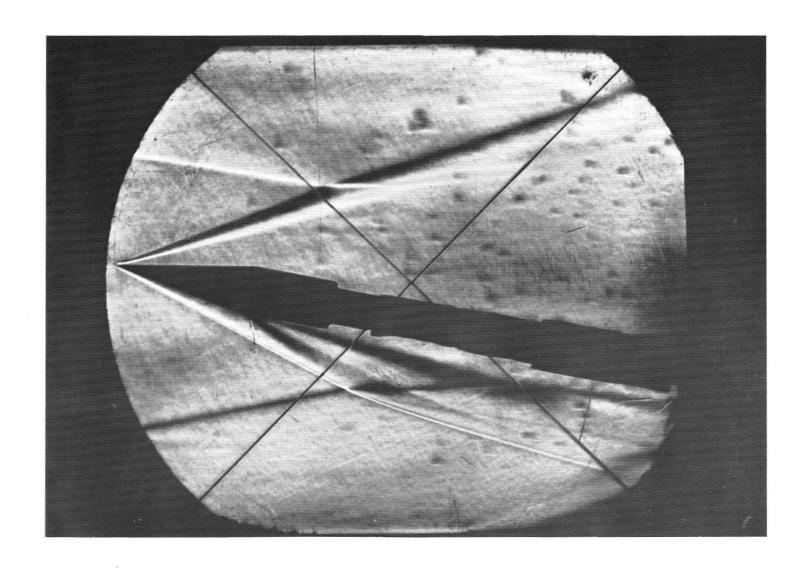
STEVEN M. AHRENS Throop, T3

Steve was a big public relations agent for Tech during his stay. He lettered in football and in track and served as Group Commander of the AFROTC unit. These positions always have the public eye on them and Steve filled them well. His future plans are to serve in the Air Force as a pilot as long as possible.

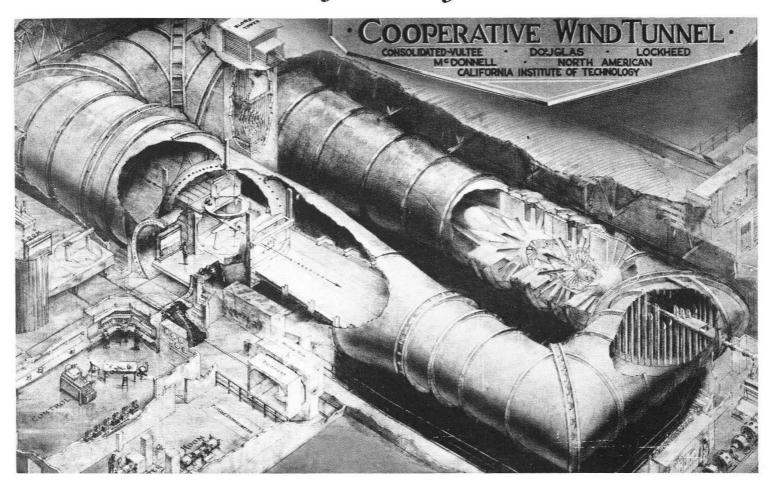


BRUCE ALLESINA Fleming

We all think that Bruce must be a Martian, because he has a collection of extraterrestrial literature unmatched anywhere in the Student Houses. He has also shown much interest in sports cars and hi-fi, and his artistic abilities have frequently been in demand for posters, interhouse decorations, and other selected forms of display and propaganda. He has been treasurer of the Student Shop, a member of the SAE, and has served on the Flemling house upperclass committee with a singularly intelligent degree of abandon. He hopes to work next year in "a job paying him enough to keep him in steak and scotch."



Engineering

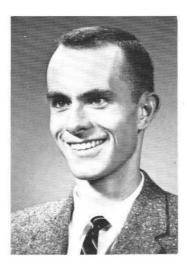


WALTER A. JOHNSON Blacker, TBP

Having been social chairman and vice president of Blacker, Walter capped an active house life by proving himself second only to Hap Gier as a necktie tier. With an athletic participation record of Interhouse softball, swimming, track, and football, as well as intercollegiate baseball, Walter can proudly walk through life with his chin in the air and his Frosh numerals on his chest. Academically he is quite a joiner: Tau Beta Pi, SAE, ASME, somehow he has acquired tuition scholarships from anonymous sources and picked an honor certificate consolation prize along the line. Walt claims to be interested in a becoming female at Duke University, Unfortunately this conflicts with his plans for graduate school at Caltech. Clearly schizzonbenic.

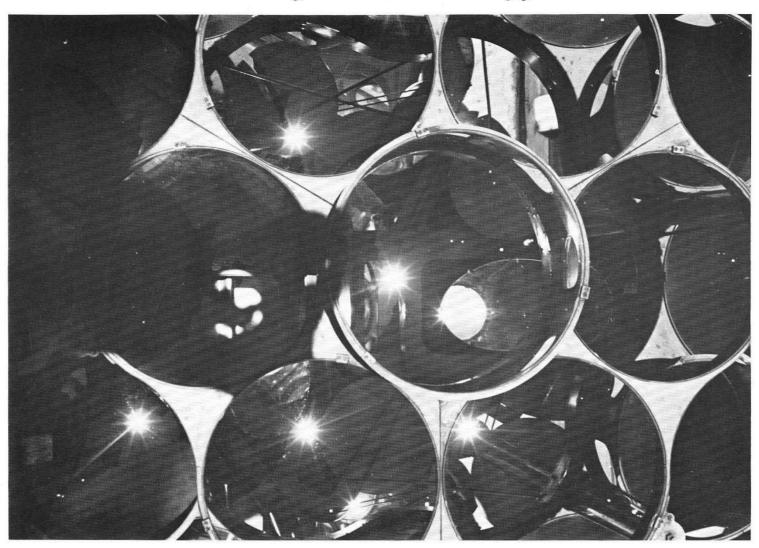
JAMES S. PETTY Fleming

Jim Petty likes airplanes. He makes model airplanes; he has made a model of nearly every airplane, living or dead, since the biplane. He is practicing for building real airplanes, being an aeronautical engineer, by occasionally building paper airplanes on scientific principles. He files airplanes, since he is in the AFROTC; but he doesn't look like the heroic airplane pilet type—he looks like a Charles Atlas Ad with a what-me-worry smile. He plans to do grad work in aeronautical engineering, and eventually go to work building rockets and airplanes.





Physical Metallurgy





KENNETH HOYT ADAMS Blacker

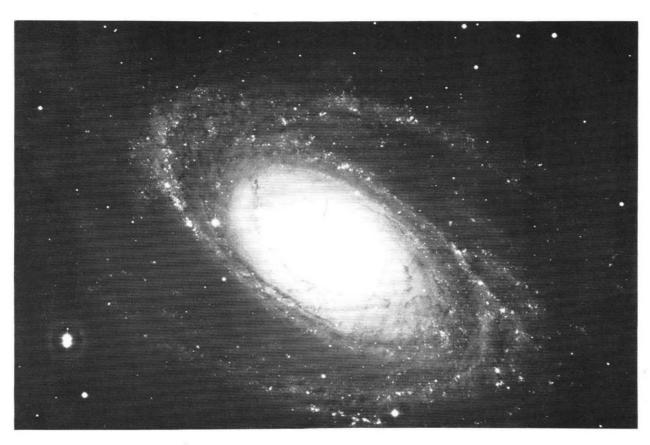
Ken has been active in many activities during his four years at Tech. In addition to membership in ASME, he has blessed the band with two years of clarinet playing. Ken has been especially active in the affairs of Blacker House, being both a UCC and treasurer of the House. Not only is Ken inclined academically, musically, and politically, but also athletically, p1 a y in g Interhouse basketball, volleyball, and football. His future plans include further study of MF at Calserb.



DOUGLAS CHRISTMAN Dabney

Daug attended Cogswell before coming to Caltech and consequently was one ofthe more mature men in the house. Because of his obvious maturity and warm, friendly, hardworking nature, Doug was elected Dabney Librarian his freshman year and Arhletic Manager his sophomore year. He has been a member of most of the Dabney athletic teams during his four year stay at Tech. At the end of his sophomore year he married a very beautiful and charming girl whose presence has graced these halls many times to the enjoyment of all. Doug plans to take this fair beauty to San Francisco with him after graduation. He will work and take care of Diane.

Astronomy



BARRY CLARK Fleming

Coming to Tech from Canyon, Texas, Barry started right in astounding people with his mental agility, and has kept on doing it ever since. Unfortunately for the Physics Option, he looked at the stars too long 'while in high school, became crazed, and decided to be an astronomer. His cherubic face has been seen in all the best and happiest places, and in the most vigorous Fleming-Dabney water fights as well. Smilingly he did the hardest and heaviest interhouse work each year. He also held the post of Fleming House Historian. He is coming back to Tech to work for a Ph.D., and will likely be as imposing a figure in the grad school as he has been in the undergraduate.



RICHARD D. DIETZ Fleming, T3

Once upon a time Dick Dietz went to Caltech. He led, for most of his four years, an admirable existance; he won three letters in soccer, was a strong supporter of Fleming House athletic teams, became an incredibly high dignitary assigned to watch the morals of Fleming and protect it from women, and was a lovable UCC. One day in the fall of his senior year, he decided that, since he was one of the top astronomers in his class, and astronomers are supposed to be terrifying, he would start to terrify people. He promptly grew a long black beard and a head of shaggy curls, took to wearing a block leather jacket, and bought a motorcycle. Unfortunately, a little old Pasadena lady mistook him for a lost dag one day, so he went home, shaved, got a haircut, and once again became the Dietz of song and stary. He plans to live happily ever after learning astrogeophysics at the U of Colorado.



Biology



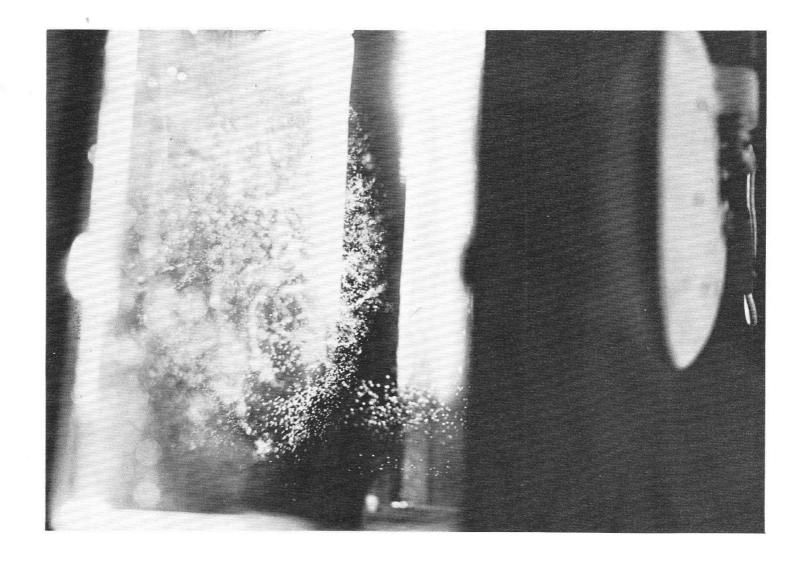
LLOYD KAMINS Dabney

Lloyd was one of the favored men in Dabney in that he gained a reputation of avoiding PE more ingeniously than anyone else on campus. Somehow he managed to accumulate enough excuses to get three people through the rigors of CIT PE. Lloyd used his free time either playing Jazz—on his record player, or his sax, or the piano—or in writing about Jazz for the school paper. He even had his own highly competent band, which performed at many of the Calrech social events. He plans to go to graduate school in Psychology and then take care of Jazz musicians.

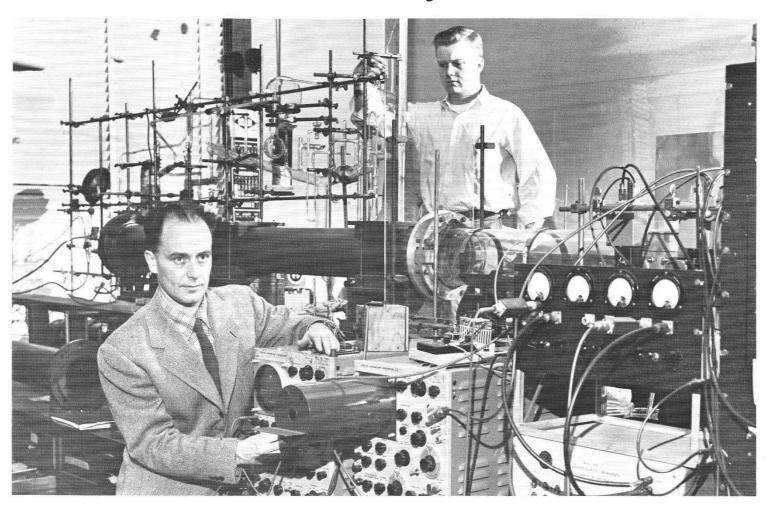
WILLIAM O. McCLURE Dabney, T1, Honor Key

Bill can be found in room 1 Dabney (if he is not out on a date) and is sure to greet the casual visitar with a warm and friendly smile (if the do not disturb sign is not up). Bill's room has been the center of extra curricular social activity throughout his career at CIT. Bill's interests include the BOD, the Student Shop, and the Glee Club. However Bill spends most of his free time skin-diving. He has some interesting theories on the subject of life's work. These include such things as becoming a Soldier-of-Fortune or taking a three year world cruise. Bill may go to grad school before going round the world in his own boat.





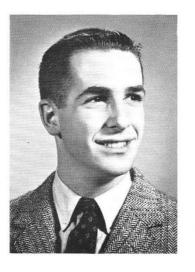
Chemistry



MICHAEL BOGOST Dabney

Mike came to Caltech from the lush verdentcy of Hawaii. He originally planned to become an engineer but at the last minute changed his mind and became a chemist. He has had a great deal of automotive engineering experience while at Tech and has won a great deal of respect in the towns of Quartzite, Bakersfield, and Pasadena for his hanest sincerity and friendly nature. Mike presently plans to attend grad school at Columbia and learn more of the mysterious ways of life practiced by Mainlanders. Good luck and Aloha, Mike.





KEITH S. BROWN, JR. Fleming, TBP, Honor Key (3), T6

Keith is one of those fellows who seems to do well in everything he tries (or at least pursues beyond the embryonic stage; he carefully weeds the bad ones out), and he has tried a very large number of activities while at Tech. Membership in Tau Beta Pi and a position in the Honor Standings reflect his academic success, and he has helped Tech in intercollegiate athletics by winning six varsity letters and captaining the water polo team. Glee club manager, dramatics star, senior class vice-president, dance class chairman, IHC secretary, YMCA—his activities are varied and seem nearly innumerable. Not connected with school, but very important to Keith despite common derision, has been his church work. This interest in people will likely be of help to Keith in his chosen profession —a career in college teaching overseas in connection with research in medical chemistry. For grad work he plans to pursue a life of secluded snakehood at the University of Wisconsin and hopes to get a Ph.D. in three years.

Chemistry

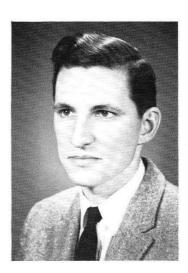


BERNARD M. MALOFSKY Off Campus

Bernie hails from Valley Stream, N. Y., from and to which he rides his trusty motorcycle. His time, when he is not on the cycle, is spent doing chemical research. Bernie belongs to the ACS chapter. Hobies include bowling, skiing, camping, and posing for insurance company advertisements, Bernie plans to continue at grad school and get a Ph.D.

DAVID V. OWENS Off Campus

Dave, originally a Throop member and a constant frequenter of its lounge, later had his interests compel his becoming unattached. He maintained membership in the Newman Club and finished four years with the AFROTC. His future includes three years in the Air Force and grad school in physical chemistry.







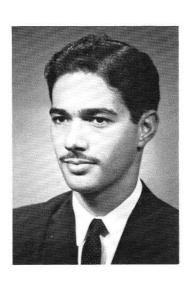
RUSSELL M. PITZER Dabney, T4, Honor Key

This easy-going, unassuming, friendly guy hails from Berkeley. He has been active in all phases of campus life and storted his Tech career by being selected Tau Beta Pi freshman of the year. He was a stallwart of the Track and Football teams, having been chosen all-conference in his senior year, and won the Wheaton Football Traphy three years in a row. He served a year as ASCIT athletic manager, was a member of the BOC, and was elected vice-president of the Beavers. In addition he is a bridge fan, writes for the California Tech, and has taught himself Swedish in his spare time. In the summer he will be married and then continue his studies in grad school at Harvard University.

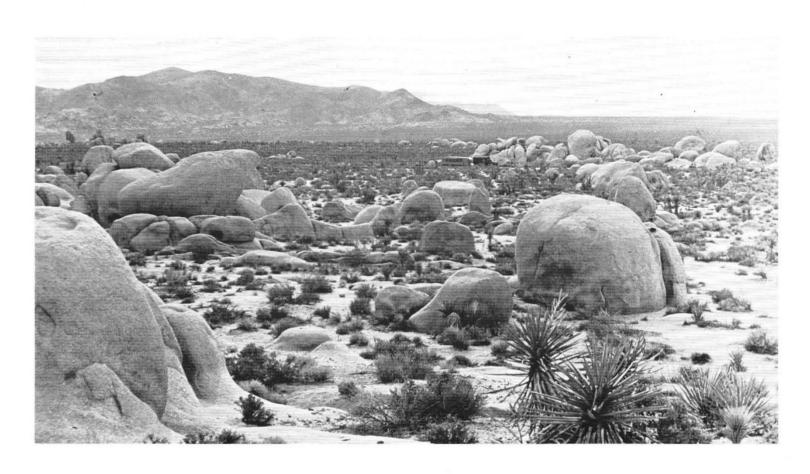
ARTHUR ROSENTHAL

Throop

Art moved to Pasadena from the glorious San Fernando Valley where he attended the most magnificent Van Nuys High. At Tech, he joined the card players and needled votes for Throop Treasurer, thus securing his financial status. Art was also active in the local A.C.S. chapter and spent much time doing biochemical research. Apart from this, Art married in June immediately after graduation. Most of his time has been spent on officampus affairs where he served as President of two citywide youth organizations in his four year stay. The future holds a short stay in Fairbanks, Alaska as an officer in the U.S.A.F. and then maybe more schooling.



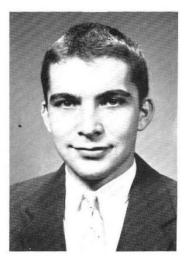
Geological Sciences





CLINT FRASIER Ricketts, T1

Clint came here all the way from Long Island to keep the Ricketts Waiters entertained and he succeeded admirably even when he wasn't trying. He served on the B.O.C. as a Frosh and was a U.C.C. last year. Clint, who has made "screwing around" into a fine art, played varsity tennis and is also an accomplished piano player. He will spend a summer in Venezuela before attending graduate school.



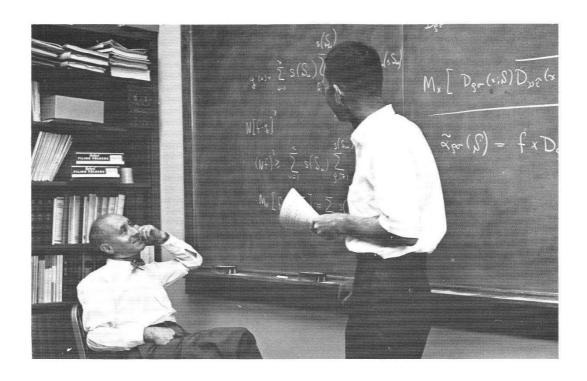
ELDRIDGE MOORES
Ricketts

Eldridge, who gets a lump in his throat when he sees a well formed piece of shist, has been President of the Trolley Lovers of America for three whole years and President of the Glee Club. His conscientious job as Ricketts Treasurer earned for him the name "Fuss Budget." Eldridge's hobbies, other than streetcars, are the 'cello, history and defending the virtue of Republican politics, Graduate school at Princeton will keep him busy for a few years after graduation.



FRED NEWMAN Dabney, T3

Mathematics



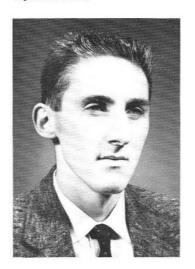
DAVE HANDEL

Big, soft-spoken Dave isn't given to back-slapping, body snatching, or braggadocio. When tough problems need solving he solves them and when the keg's tapped Dave's theye too. This time we'll skip the usual list of meritorious, high, noble, and irrelevant achievements, and just note that without Dave the campus is not likely to be the same.



ROBERT JEWETT Fleming

If ever a vote were to be held to determine the most unobsrusively coordinated man in the senior class, Bob would undoubtedly win. Not only is he a good mathematician, but he doesn't even look like an athlete. Hawever, a sorcerer once gave him a pair of yellow shorts which possess magical powers, and enable Bob (when he is in them) to soor to great altitudes in the High jump and pole vault, or administer a magnificent spike to a valley-ball. He has contributed extensively to interhouse sports and jumped a year for the varsity track team. He is interested in politics, but won't run for senator until he has completed a few years of grad school in math.



H. JEROME KEISLER Blacker

Rompin' stompin' H. Jerome snaked it up for four years and got an A-plus in H5 to prove it. He also acquired honor standing, an interest in economics, an Enormous fellowship, the mathematics club presidency for a fun-filled year, and—oh yes—a wife. And so to Berkeley, where it is rumored he will major in physical education.



Mathematics

GEORGE WAHL LOGEMANN Dabney, T'

George was Dabney House Head Waiter and through this position raised the social level of the House a great deal. He could be found either at the computer or playing his cello for the enjoyment of the House. A friendly guy, he served the House well as a U.C.C. We hope he enjoys life as much as we have enjoyed having him at Tech for the last four years.



THOMAS E. MORTON Blacker, TBP

Tom has been active in a large variety of activities during his time at Tech. Most apparent, probably, has been his strong interest in the arts and in public affairs, which led him respectively to the editor's chair of Totem and to the office of Y national representative. He has also been active in the model U. N. delegations, has often brought honor to his almo mater at important statewide debates, and has managed to produce considerable poetry, which is generally conceded to be quite lengthy. Somehow all this does not seem to have interfered with his studies; nor has it kept him from active participation in student house social life. Tom plans to get his Ph.D. in Math from the University of Chicago, then reach and do research on some peaceful, tree-shaded campus where he can write poetry in peace.



GORDON BAIRD

Happy, smiling Gordie, the boy with the big grin and the small bire. Gordie's done about everything at Tech, like study, and play football, and drink, and all sorts of wholesome things like that. Everybody knows he's a bridge and billiards whiz, and I wauldn't play poker for money with him either, especially if Lew Yardleysby is at the table, too. Gordie plans to go to divinity school, after which he'll be a missionary in Africa.



JACK BASS

Jack has been a mainstay of the Dabney Interhouse teams, participating in all of the sports save tennis at one time or another. He was also a very necessary addition to the CIT basketball team. His abilities are not confined to the sporting arena though for he has been active in the ASCIT government. His future plans include marriage to a very lovely girl and then a stint in grad school until he attains that covered Ph.D. Jack's drive, enthusiasm and technical ability should make him a success in what ever he does.



ROBERT BLANDFORD Blacker, T5

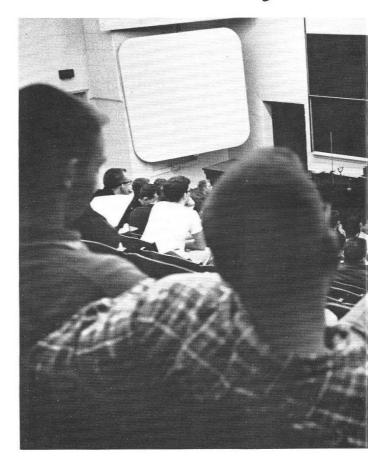
A complete list of the activities of this good-natured, high-ranking student would fill several columns of this page. In addition to gracing the glee club with his presence, he has been on the staffs of both TOTEM and THE CALIF. TECH. Furthermore, this physics club member has also been especially active in YMCA activities, being National Representative as a frosh and President as a senior. In school politics, he was on the BOC during his sophomare year. An outstanding swimmer, Bob demonstrated his prowess early, captaining both the frosh swimming and water pola squads. He then went on to cop seven letters, Being very much interested in surfing and skin-diving, Bob plans to attend grad school at Calrech, where he will study geo-physics, following which he speculates a career in oceanography.



"Charlie Brown" has accomplished many things to his credit during his undergraduate years. When not working at his studies, he has contributed as YMCA Publicity Manager, Fleming Hause treasurer, and Commodore of the sailing club. In his studies, he has spent as much time helping others as doing his own work. Such consideration for others has been very typical of him, his patience in listening to a problem and his well-considered advice have made him somewhat of a sage. Athletically, he has played JV soccer and managed baseball for two years; and he has found occasional aggressiva outlets by singing with the Glee Club and weilding power as a Fleming House UCC. Next year, he plans to go to the University of Colorado for grad school in Physics.



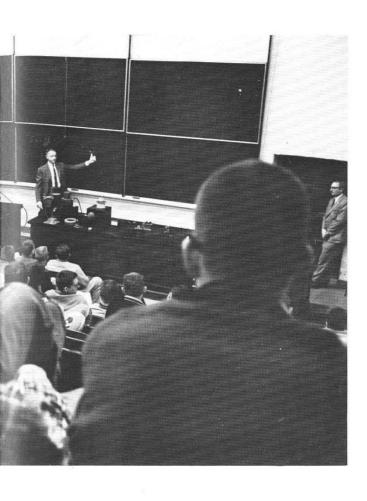
Physics



ALAN CARLIN

Towheaded Alan Carlin hails primordally from Detroit, but he spent a year at Cornell before coming to Tech. Since his arrival here he has managed to keep himself busy with the usual schedule of courses in physics and a wide assortment of activities. He served as secretary, vice-president, and lord high everything-else of the YMCA, and chaired numerous committees. At the same time he worked on the California Tech staff and earned three letters in JV soccer. In his spare time Al likes to take pictures on his hiking and camping trips. Plans include grad work in the social sciences at Policeton at MIT.





CLARK E. CARROLL Blacker

Highest grades and strongest coffee are the trademarks of this gung-ho physicist. Besides being a faithful spark plug of physics club and physics X, Clark has graced the Cal Tech JV soccer squad four straight years. He will now proceed to Harvard at federal expense, where, it is hoped, he will go on supplying all comers with the true clue on the next days' problems, and with his congenial black brew.



MELVYN CHESLOW Throop

Despite his everpresent puns, Mel was quite active in Throop both socially and athletically. His pipe, wit and roommates have become credits to the school and though rarely seen in class he nevertheless was held in high esteem. But Mel has not completely wasted his life as his fine reference library, good work on the Big T and the nightly card games at his apartment prove. His future plans include continuing to work with Youth groups and attending graduate school (somehow, somewhere).



LARRY ELMORE Blacker

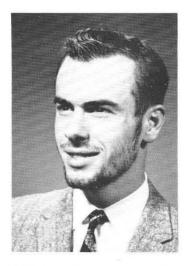
Need we say more?



SOL DE PICCIOTO Dabney

Sol was the most socially active man in Dabney house during his four year stay at Millikin's Monastary. His hobby (WOMEN) and his dissatisfaction with the way things were being done prompted his election to the position of Co-Social Veep. His innovations have been perpetuated and it is due to his continued effort that Dabney is called the Social Hause. Sol is presently serving as a member of the B.O.C. His honesty and his ingenuity have made him one of the most liked and admired men in the Senior class. The enthusiasm which made him a cheerleader here will make him a real success in the Big Wide Outside World.





A. NEAL de GASTON Dabney

Neale led a very academic life while at Caltech. He is a deeply religious person and has found that Caltech is not the best place for the cultivation of a deep religious faith. We admire his integrity and abvious sincerity. We envy his ability to sweep almost any woman off her feet. Neale will do very well when he finishes graduate school for he is one of the truly good men in the world.



JOHN C. EVERITT Throop, Honor Key

John has been Throop's elder statesman, so to speak. He served this year as President and also is one of the oldest men to graduate in four years. John, his life made inactive by a marriage, also was elected to the Beavers and was a senior member of the Educational Policies Committee. He and one other fellow built Throop's famous Eifel Tower almost double-handedly. Hobbies include bowling, rifle shooting, classical guitar, drinking and carousing. Future plans include working at Tech and eventually grad school.





JOEL GREENBERG Dabney

Joel was very interested in art when he came to CIT and that interest has not diminished one late in the last four years. He has found that the time necessary for the full enjoyment of the cultural apportunities of the area is not available to a serious student of the Sciences. He has found time to learn of the beauty of life from some of the more interesting girls seen in Dabney. He hopes to go to grad school at CIT next year but may be lured away by some Eastern college. We will certainly miss this fellow member of the RD basket-ball team.



H. RICHARD GUSTAFSON Ricketts, T3

Gus came down here all the way from Partland, Oregon to get away from the rain and become a physicist. He learned the clever trick of running at full speed while carrying four people, thus endearing himself to the football coach and his classmates during brake drum riots. In his senior year he was captain of the football team. His other interests are the Sailing Club, the Physics Club and bridge. After getting a diploma he will avoid the greedy paw of Uncle Sam by going to grad school or working for some critical industry.



Bob has always been a hard worker and a strong member and leader, Honor standing demanstrated the first, while having been Vice-President and Treasurer of Throop and A.C.S. Treasurer showed the second and third. Bob also belonged to the Drama Club, Chem. Eng. Club, and the YMCA. Bob has spent much time with Church work culminating with a Church wedding to Diane. Future plans once included a M.S. in Chem. Eng. now they say Oxy for liberal background and then into the Ministry.





MICHAEL D. HANLEY

Mike would be the last person to think that he might win the Fleming House Senior of the Year award, but he did, and mostly for just that reason. Usually he was found taking pictures for the house Rogue's Gallery, scraping paint off the lounge floor after Interhouse, or in general doing any job which others found any excuse to avoid. He has sreadfastly refused to participate in any activity which would bring any glory. His interests include photography, bowling, beer, and San Francisco, where he plans to work after graduation, Fleming will be sorry to see him go.



Colonel Phil, Pride of the Regiment, is one of the few to survive the rigors of A.F.R.O.T.C. training. Phil, who has the unusual ability of being able to drive to Pomona blindfolded, is affiliated with the Christian Fellowship Club and the Physics Club and spends his spare time twanging on a guitar. In the future he sees a Ph.D. in biophysics from Berkeley and three years in the Air Force.



JAMES H. HAVEY, JR. Blacker, TBP

Behold that sern, uncompromising expression. Note it carefully. Ladies and gentlemen, before you stands the strongest character of them all. Four years of knowing what he wanted and actieving it. Four years of self-reliance. Four years of heavy loads and high grades; of penetrating observation; of talented athletics; and of plain friendly screwing around. Four years of respect as a strong mind and a swell auy.



DAVID HIMROD

Dave was one of Throop's gung-ho. His year as co-social chairman shows the amount of work put in by him in maintaining its status as the fifth house. His hobbies include outside Church work and fooling around the mountains, often winding up at U. of Arizona for socializing with a certain someone. During his four years Dave was a constant attender of Throop social and athletic events. His last days at Tech were spent being Sports Editor of this grand and illustrious publication lwith an extra title of Special Assistant to the Editor). Dave's plans call for teaching some worthy subject such as physics at a secondary school, either public, private or missionary.



MIKE JONES Ricketts, T1

Good Ole' Mike Jones made a name for himself by being a student house waiter with a smile. Mike was the only waiter in the house who could get a standing ovation for pouring coffee. When Mike wasn't "sexing it up," loafing, ox-tossing, listening to his hi-fi or snaking, he was out on the soccer field scrapping to remain as first string goally. He plans on going to grad school at the University of Colorado, majoring in physics.



DOUGLAS JUNGE Fleming

Known early in his Tech career for strange electronic gadgets and loud, discordant tuba music, Doug later turned to the sterner academic life, produced more practical electronic gadgets, and settled for softer guitar music, probably because no bawdy college songs had been arranged for the tuba. He also had the privelege of seeing several of his friends depart for greener postures, which sobered him considerably; senior year, he could be found huddled in his room dreaming of fantastic inventions to plague UCC. He found relaxation in the ham club, and occasional bouts with beer and folk music. Next year he plans to do graduate work at the University of London; after that, he will have a go at automatic control systems for missiles, and all that sort of thing.



DAVID KIPPING Fleming

Invariably present in lounge discussions, Dave has contributed many worthwhile thoughts on nearly all subjects to those people who couldn't help coming in contact with him. He was also active in interhouse sports, was on the varsity swimming team two years and the water polo team one, and managed varsity swimming his senior year, setting a precedent—for careful calibration of the pacing machine which will be admired by all who follow. In his spore time, he was Secretary-Treasurer and then President of the Physics club, and worked on the stage crew for two ASCIT play productions. Uncle Sam willing, Dave will work for Dymec, Inc. for a year and then go to graduate school in Electrical Engineering.



KARL KENT KNAPP Fleming

"K.K.K." has become well known for his Jaguar lwhich replaced an M.G. in his spohomore year) and the use he has put it to in [a] becoming engaged to a Scripps girl and (b) managing the Fleming House social program. He is a member of both the S.A.E. and the sailing club, has gone on the Mobilgas economy run for three years, and was co-business manager of Farrago his sophomore year. He lists his interests as Carolyn, sports cars, water skiing, and sailing, in that order, and there is little reason to doubt that it is intentional. Karl is tired of Southern California and wants to be closer to the Jaguar factory, so he is planning to do grad work in nuclear power at the University of London.



DeWITT LANDIS

DeWitt cames from New Mexico, where they don't get much rain, and since coming to Tech has shown a surprising attraction to water, especially in balloon-sized increments. He has been a member of the IRE and Physics Club, has played interhouse baseball and volleyball, and managed varsity baseball. His extracurricular interests, besides water fights, are . . , ahem (blush) . . . the finer things of life. Next year he plans to go to graduate school in Electrical Engineering, either here or at Stanford.



ROBERT LANGE Dabney, TBP, Honor Key

This Phoenix fellow has come a long way. As top man in his option and active in all phases of campus life he was selected for membership in Tau Bera Pi and elected treasurer of the Cattech chapter. Bob has been a moving force among his many friends and served for a year as social vice-president of Dabney. Then, expanding his ASCIT activities, he became a member of the newly created Excomm and joined the Beavers. He was a supporter of all House athletics, but the Lange physique seemed best suited to water as he held an Interhouse record for swimming for a year. Bob will get married in June and use one of his many fellowships at Harvard University where he will study for his Ph.D. in physics.

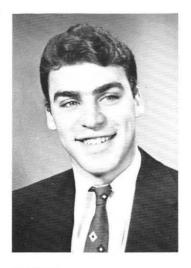






LEWIS M. LINSON Dabney, T3

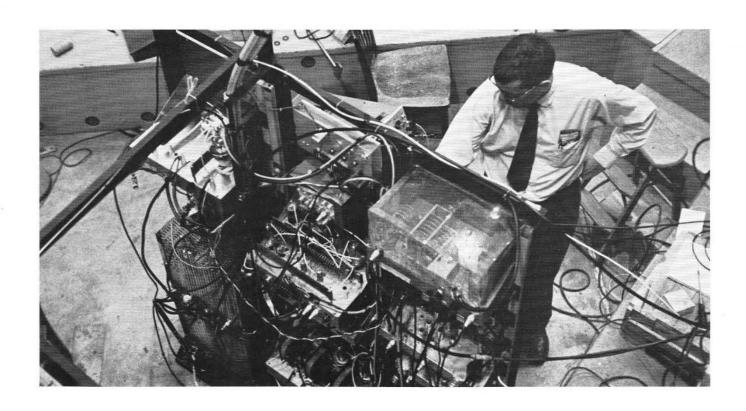
Lew worked hard academically and socially while at Caltech. His efforts were well rewarded by a DuPont Junior Travel Fellowship which he took at the end of his Junior year. That same year he played varsity soccer, and served Dabney as a UCC. He also was on the Educational Policies Committee and was a Big T Business Manager. He has been receiving a large number of fellowships and will probably take a European tour before going on for his Ph.D.

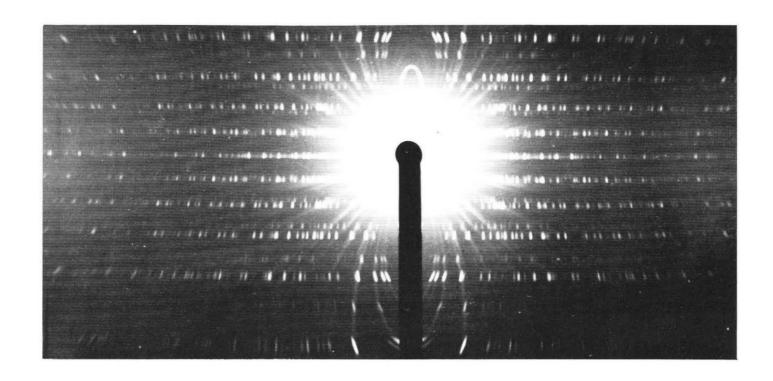


CARL MALTZ

One of two identical twins to come to Tech from Pasadena. Carl spends time being called "Bob... erah... Carl... hey you." A fine violinist in off hours Carl and Bob taught themselves piano on Throop's piano much to the pleasure of all of its music lovers. Carl was also a member of the swimming team, winning not a few times, and also of the J.V. soccer team. Carl plans to continue his education in a more "Walden" type atmosphere.

Physics



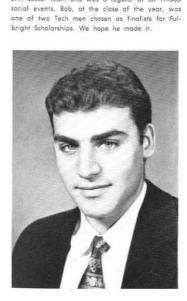


RICHARD C. MONTGOMERY Fleming, T2

Everybody loves Monty. He comes frox Texas, likes beer, pizza, and money, and has a smile for any and every lesser minion of this Earth. He has drifted amiably along with the SAE, ASME, IRE, YMCA, and AIEE, and gullible voters of Fleming, who elected him vice-president. He has an infinite appetite for managerial positions and has managed Soccer and Baseball for 3 years apiece, Basketball for 2 years, and Track for 1. His hobby is collecting scholarships and he was the recipient of the Don Sheppard award for his senior year. He modestly calls himself a "jackel of all trades" and, concerning the future, hopes that he will probably keep on living. Wherever he may end up, you may be sure that his effluent endomorphic influence will be deeply felt.

MARTIN OLLSON Off Campus

This academically-minded chap had little time left for campus activities. He was, however, active in the YMCA, and served on its cabinet, Plans include arad work at the U. of Maryland.



The other half of Throop's dynamic duo, Bob,

after learning plans at the club, thence, proceeded to initiate its members into the art of eating, climaxing the course with frozen orange juice on

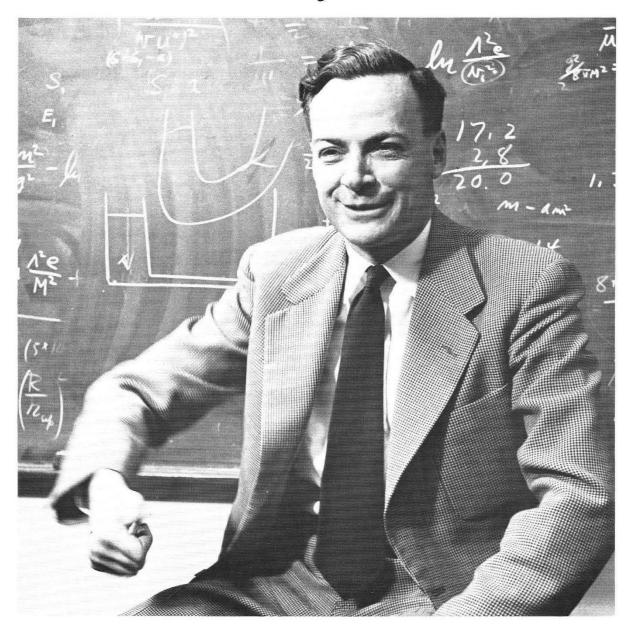
a stick with yagurt. Bob, along with Carl, participated in many interesting two and three party discussions with the Leaders of America when they

visited Throop. He was on the swimming team and J.V. soccer team and was a regular at all Throop

ROBERT MALTZ Throop







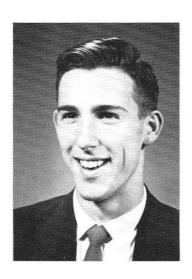


MICHAEL PETERS

While Caltech is admittedly a technical school, Mike has found that the liberal arts are not neglected here if one is willing to work. Mike has had a hand in almost everything going on in this school that concerns the arts or artists. He has been very active in the YMCA, the Man and Arts Commission, and the CIT Drama Club. During his senior year in Physics, he has managed to find time to head the Scripps-Caltech Conference Committee and participate in Interhouse sports. He hapes for a very rewarding year. We are sure that it will be, for Mike plans to marry, attend summer school in Europe with his beautiful bride, and then return to grad school in the Midwest. Mike is truly the "One hundredth Man."

JOHN C. PRICE Ricketts, T2

Big John was one of the most popular U.C.C.'s in Ricketts because of his skill as a tutar. He was one of the few who could screw around a lot and still be one of the most respected men in the house. His favorite pastimes are bridge and talking to people. In recent years he established a reputation as a pitcher who could throw a baseball with considerable dexterity. After graduation John will go to graduate school on an N.S.F. Fellowship.



STEVE SCHWARZ Blacker, TBP

Never underestimate the power of **Our Town.** Steve might still be snaking it up and looking hurt at an occasional A-minus; but he ran afoul of Thornton Wilder, and realized there's more to it, man. Since then he's led a checkered life: dilettante in the arts, the Charlie Brown of student offairs, the Winnie-the-Poch of cafe society, and of course-the Lord Hoo-Ha, glorious leader of the Male Patrol. As time passed the grin may have faded some, but not the curiosity, so Steve's trudging off to Harvard to see if there's still more to it, man.



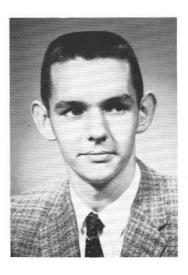
BYRON E. SWARTZ

Ed is one of the veterans who came to Tech and studied hard, being much more aware of the meaning of a college degree. He managed to temper his work with social frivolities such as bridge, marriage and the Interhouse, however, and became both an active and popular member of the Throop Club.



J. DAVID TEAL Blacker, TBP, T3

In addition to receiving numerous academic honors such as honor standing and membership in Tau Beta Pi, Dave has graced both the tennis court and the baseball diamond during his time at Tech. Although he has received three letters in varsity baseball, his biggest thrill was helping to give Blacker first place in interhouse tennis during his sophomore year by winning 11-1 in doubles. As for next year, Dave plans to continue his study of physics in Harvard grad school.



JOHN STACK Blacker

Transferring to Twitch in 1958 John utilized the superior background he obtained at Valley JC to quickly establish a reputation for competence at things collegiate. John made honor standing, UCC, eight Nordlander points, and much of the local tolent during his two years here. In view of these accomplishments John was appointed Woodrow Wilson Fellow and Blacker House Stud, and he intends to persue his appointments at Berkeley this



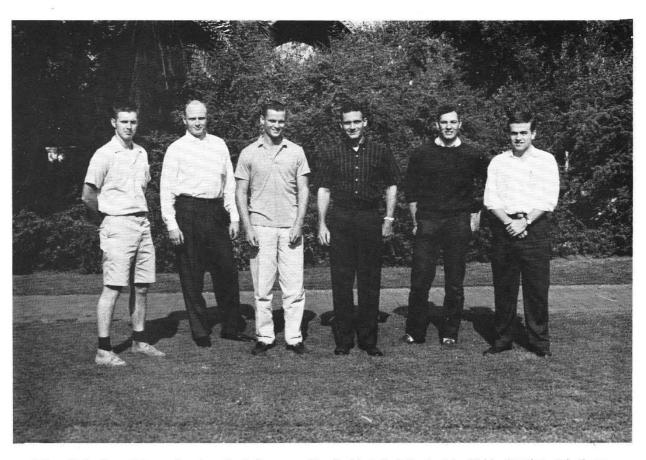
JON A. WRIGHT Fleming

Jon Wright's two goals at Caltech were the release of his competitive drive and the attempt to get to bed on time. The first goal was amply fulfilled, as evidenced by his debating activities, his membership on just about every sort of interhause team (regardless of the sport), his frequent precipitation of water fights, and his willingness to go high man or low man on tests (he won mainly on the former). Fleming was able to use his talents well, electing him athletic manager, in which capacity he served the house with enthusiasm and success. It was also able to prevent him from ever attaining his other goal; in four years he was unable to retire within an hour of any prearranged time. His great competitive spirit won't let him quit without winning, though, so he's going to grad school in EE or physics (at government expense) to keep on trying. What a fighter!



Juniors

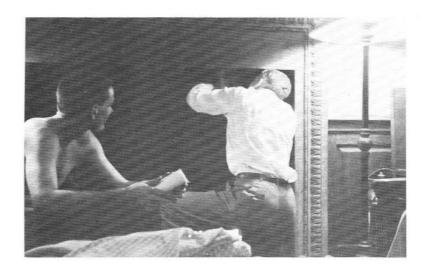




Left to Right: Doug McLane - Secretary, Frank Greeman - Vice President, Carl Morris, John Walsh - President, Bob Thompson, Bob Golden - Áthletic Manager.

Sophomores





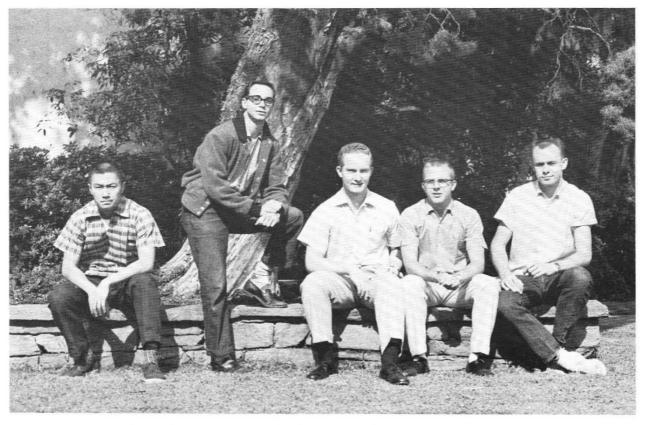


Left to Right: Christ Velline - Secretary, Skip Stenbit - Athletic Manager, Don Forrest - Treasurer, Stan Sajdera - President, Ken Casey - Veep, Cleve Moler - BOC, Hugh Kieffer - BOC.



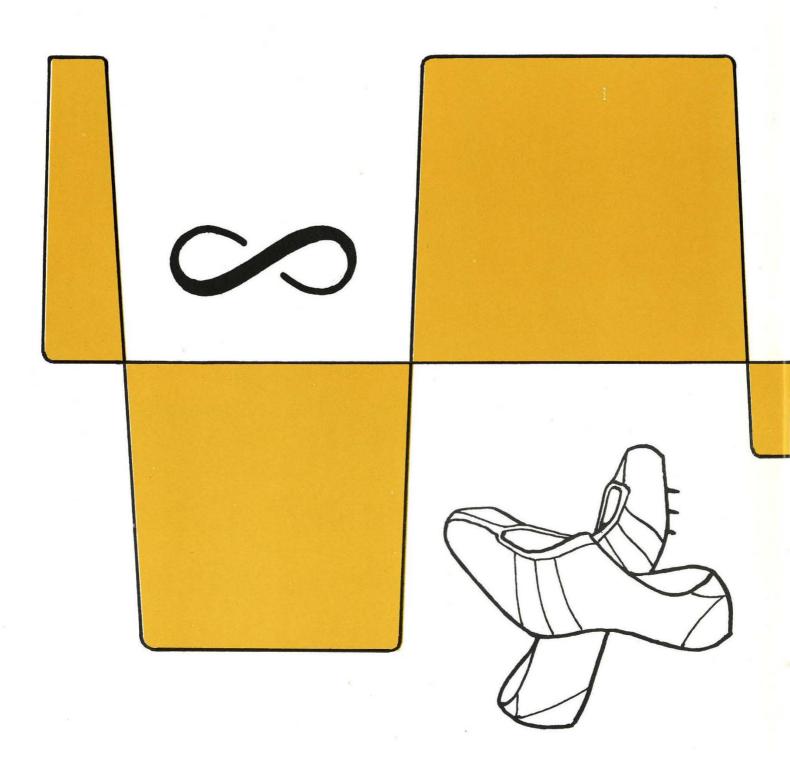


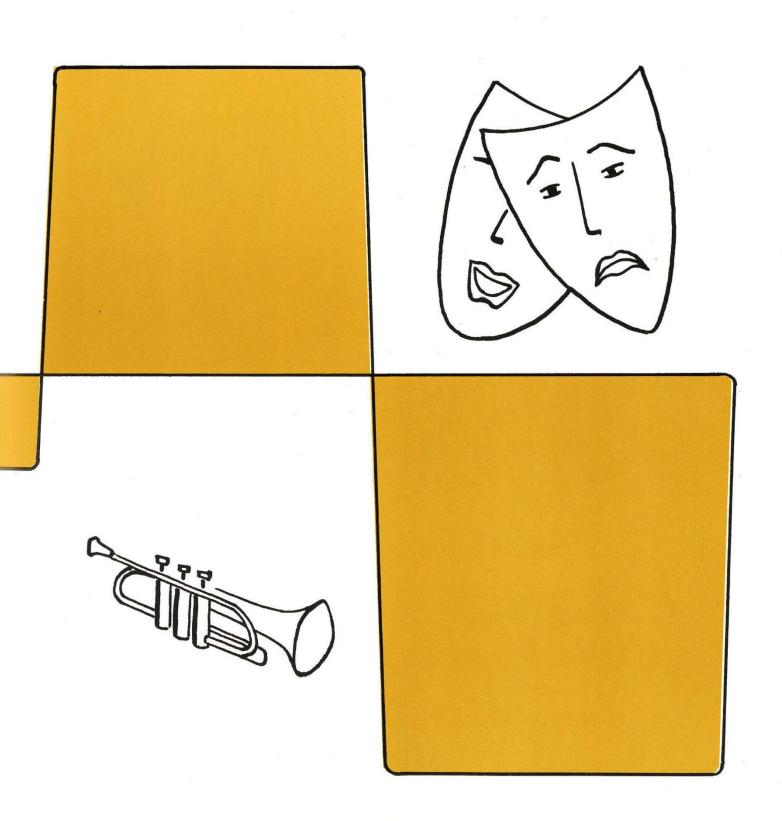
Freshmen



Left to Right: Dick Chang - Athletic Manager, Jim Geddis - President, Carl Hamilton - BOC, Jim Dudley - Treasurer, Al Armstrong - Veep.

HOUSES





Blacker



Ken Adams



Larry Altman Al Armstrong



Gus Akselrod, President







Ron Arps Gordon Baird David Benson



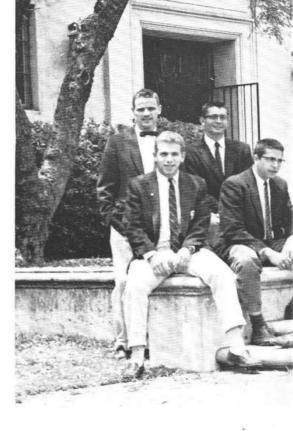








Alan Berg Allen Bernstein Neville Black Bob Blandford



J. T. Bocklage R. Craig Brosi Alan Carlin Clark Carroll



L. Hood, G. Akselrod, R. Schmus, K. Adams, W. Johnson, D. Norman, J. Hansen.

OCTOBER REPORT

I, Mike the Hammer, world's most private eyeball, submit the first playback of the strangest (and most lucrative) assignment of my long career. For you, dear unknown boss, and a sizeable retainer fee, I am now passed off as a Caltech freshman, my assignment: find out what maker Blacker so desireable. Remind me to have my head examined for taking this job, if I get out of this alive. Rotation was O.K. Blacker took a strong cross-section of the freshmen as usual, among which I found myself, by virtue of my luffly personality. But don't send me through another initiation! I can take the Chicago



Walt Johnson Vice President



David Cassel Wilfred Charette John Conover George Davison



gang wars as well as any, but those three bruisers of Russian Commissars, Vladovitch Kieffer, Nikita Hachtel and Egeth the Lesser, put Stalin's boys to shame. Hmmm. May be something here. Blacker subsidized by a foreign power? Discovered a plot to undermine the morale of a neighboring harem when I inadvertently stumbled across the life size replica of a tiger, carefully hidden on the magazine table in the lounge. Apparently Blacker's Tiger Society has succeeded in retrieving this beast from under OXY's tender guidance. Later negotiations between diplomatic envoys from Tech and OXY suppressed the movement. Will keep you advised on further developments.



































Hap Gier Jay Michael Gospe

Anthony Grande





Al Hales



Dave Handel



Jerry Hansen



James Havey



Wendell Ing



Steve Inrich



Anthony Iwata



Ty Jacobson



Dave Jefferson



Tom Jovin



Jerry Kasper



David Kauffman



Jerome Keisler



Hugh Kieffer



Stan Klein



David Kubrin



Harold Kurtz



Larry Langdon



Kip Thorne



Jerry Manning



Expenses:

Refresher course in arithmetic\$100
Forged College Entrance Scores
Bribe to Dean Faster Strangle
Bribe to other houses not to take meThree cases beer
Bribe to "commissars" to leave me alone —Three fifths vodka
Dental work after fight after double-cross
by commissars\$300
Term Insurance covering self during Tiger theft 50

NOVEMBER REPORT

Fantastic as it may seem, dear unknown boss, this house is able to get all the dames it wants through the efforts of undercover men known as "social Chairmen." As an example take this Interhouse Dance bit. We spent weeks (yeah, me too, and they don't even pay union scale) putting up this monster nintey foot dragon in the courtyard with an all-electric voicebox, and in







E. S. Miller



Bill Mock



Tom Morton







Frank Mullin



Rick Norman



Dave Pritchard



Tom Purnell



Jan Rampacek



J. H. Rickerman



Charles Schelke



Dohn Schildkraut



Ken Scholtz



Mike Schwab



Steve Schwartz



Neil Sheeley



Bob Siegel



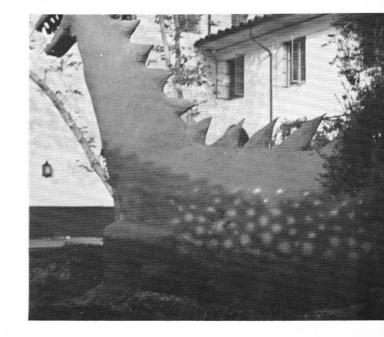
Steve Slobin



Bill Smith

turning the lounge into an authentic barons hall, complete with a maiden in distress in one of the upper windows. What's with all this work for a one evening event? There's something sinister here, something deeper than an attempt to impress a date? Could it be that these guys really enjoy working together? Deeper investigation is called for. Progress is slow. Don't complain; send more money.

Expenses:







DECEMBER REPORT

Yeah, yeah I know it's been three months. No I don't know you're not made of money. Let's handle this my way, or do you want to break in someone new next year? You should complain. I've just been through the boiler works. Yeah finals. Do you realize I have to pass courses even to get reinstated in this place? Seven in the morning come The Ride of the Valkyries full blast like the crack of doom. So help me, they've got the place bugged! Guys get up in the attic and run wires all over the place, pretending to be connecting up all the hi-fi's into a central switchboard for music purposes. There's more than meets the eye to this Blacker Music Exchange. No one would go to all that trouble just to listen to each other's records. Must check my room for microphones, Shades of Big Brother.

Expenses:

Tutor	
Tutor to fill in gaps up to level of first tutor	\$200
Nodoz	69

JANUARY REPORT

I am probably the only student in history to get a 0.0 and be reinstated. On the other hand the records were a soft touch to an old confidence man.

Expenses:

MAY REPORT

My dear unknown boss: in regard to your third rather frantic telegram regarding my continued existence. Man, am I ever alive! This report is a bit late, but there are reasons. Some of them being: a great weekend snow party in the mountains with real live snow, a hayride party with barbecue, off-campus blasts, the school formal, the house formal (send money), alley golf, a casino party, ad ecstatium. I mean to say this house moves. There's active support of intercollegiate, interhouse, intrahouse, and personal sports, with emphasis on participation and working together. In addition we have outstanding individuals (like Al Hales in Badminton, a top contender in national tournaments, who has almost singlehandedly brought badminton to Blacker and to Tech). Did I say we? I feel more and more like a part of this place. To show I have been doing real work, however, to earn my keep, please find the following confidential findings on Blacker's undercover political activities. There seems to be a plot to infiltrate all phases of campus activity.

CONFIDENTIAL FINDINGS:

A.—Blacker continued its subversion in all-school politics with the election of Tom Jovin as Associated Student Body president, Hugh Kieffer as ASCIT ac-

John Stack

Dennis Sustare

Nelson Sveael

J. David Teal

Robert Thompson













tivities manager (and member of the Board of Control), Bill Hilchey as ASCIT Business manager and Clyde Zaidens, member of Ex. Comm. ASCIT bmoc's going out included Ken Dinwiddie, Bob Thompson, Wally Baer, and Tom Jovin, (who went right back in. See above).

B.—Blacker men were undeniably in secret control of other campus activities. Jerry Hansen edited the Big T, with much Blacker support. Tom Morton and Ken Scholtz were two of the three editors for the campus literary magazine, Totem, and Blacker supplied more than its share both of work and material. As usual, Blacker took an unusually active interest in the YMCA, both in effort put into and enjoyment of the programs perhaps from an interest in brain washing possibilities. Outgoing officers included Bob Blandford, presdent; Al Carlin, vice-president; Dave Cassel, publicity manager, and Tom Morton, natonal rep. Incoming Blacker men were: Dave Cassel, president; Stan Klein, vice-president, and Bob Nason, secretary. Blacker was pushing in debate, with Morton and Scholtz as president and vice-president of Pi Kappa Delta, and the Institutors and the octet remained largely under control of Blacker agents.

C.—Turning to House politics, elections at the close of second term found active competition at all levels. Ken Scholtz received the president's duties from outgoing Gus Akselrod. Other changes were: Clyde Zaidens for Walt Johnson as vice-president; Dave Pritchard for Clyde Zaidins for secretary; Dick Norman for Ken Adams as treasurer; Al Berg, Jerry Kasper, and Mike Thomson replaced Randy Schmus, Lee Hood, and Roy Currence as social chairmen; Tom Keil will replace Jerry Hansen in '59-'60 as athletic manager; and Herm Rickerman took over the job of librarian from Dick Norman. From a list of hundreds of potential candidates, Tom Morton swept into the office of HHA, replacing the inimitable Stuart Goff.

D.—Blacker church policies remained relatively unchanged, with the accession of Chris Larsen to the throne of the papacy, succeeding the beloved Dave (Smith Brothers) Eubrin. (A friend to all, a father to many). A full study of the underlying sociological structure and control of the church seems called for; I will undertake same as a separate project (with separate fees). End of sub-report.

Well, dear unknown boss (the F.B.I.? one of the other houses? Dorsey?), this caper is all wrapped up and ready to ship out. (The original problem was why is Blacker such a neat house. The answer is now obvious: fraternity without co-ercion!) Don't bother to send my plane fare back to Havana, I think I'll stick around. Sooner or later I'll soak up enough to start passing courses. America needs scientists and I'll stick with Blacker. Adios, and send money. Now I'll really need it.

Expenses:

Endowment for becoming perpetual student\$7	5,000
Ink eradicator	.98
Blacker Math Society	10
Yours-MIKE HAMMER	

Mike Thomson

Gary Walla

Al Whittlesay

/hittlesay Clyde Zaidins











Dabney



Standing: Larry Long, Sid Roth, Doug Shakel, Louis Toth, Dennis Kuli, Mike Jenkins. Sitting: John Munson, Dave Butterfield, Martin Carnoy.

The palms were taller and the shrubbery trimmed but otherwise the sunniest southeast corner looked much the same as ever. A lot of old friends were gone, the "lady" and the keg among them, and Henry "jes' call me Hank" Dearman was now RA since Tucker Gordon went east to fetch a wife. Mike Bogost settled with Kern County, and the first important event of the year occurred: the arrival of the House decals.

Just as the about-to-rotate freshmen returned from Student Camp a scurvy front-page article in the **California Tech** set off a sudden urge to plunder. As a result the House acquired several "borrowed" items from the accident, including a lovely tombstone for the Olive Walk.

In spite of various recent innovations in the program of other houses, Dabney once again selected the best of the frosh and got Johnny Arndt to boot. The frosh then received flight (and crash) training from the sophomores under the pledgemastership of John Erskine. Len Ingber scouted some new territory for blind dates and the route of the new freeway was found to run straight through Bullocks' by our aerial survey team. Hank Collier discovered Al Forsythe's secret Crew weapon, the Flaming dinner ball was given a taste of civilized dining, and the decal sales were at a record high.

Formal induction into the House marked the end of initiation week and the start of planning for the annual conversion. The recent drive to make the Interhouse Dance more dream and less nightmare resulted in the transfer of Dabney to a South Sea Isle. All conscious effort was made to make this

Interhouse less time-consuming and less expensive than in the past, and to the latter and penny-pinchin' Sid Roth brought about unheard of economies of construction. Pat Henry arranged to drop all of his courses in order to build the grass hut. Meanwhile the procurers located the largest stand of live bamboo in the San Gabriel Valley. At last all was transformed. The grass hut viewed the warm tropic moon as it set behind a peaceful lagoon, complete with outrigger and warnings against fall-out. Harry Spertus had said the bird would fly and fly it did, after a fashion. But Mack and Forsythe's talking parrot proved the most popular denizen of the jungle. The ceremonial hut, with masks, shields and spears by 'bwana Siegel and the boys, housed Tony Lorillo's swingin' band and the punch-producing idol. And visitors just couldn't seem to identify that strange exotic aroma that permeated all the atmosphere.

Best treat of all came next afternoon when, in a little less than six hours, the courtyard and lounge were restored to normal. A new tradition, maybe?

The Barndance with Fleming saw Dabney take easy victories in Crew and Flamers. Dick Johnson was elected ASCIT Vice-president. Previous action on the proposed dollar-per-term dues raise caused a curious situation for a time. Various members of the house took this opportunity to ingage in flowing oratory and display the traditional desire for unlimited debate. The matter ended with the Constitution being amended to approve the increase. The class of first term was signed by the annual visit to Dabney from Santa Claus.

By now the Discobolus was practically rooted to the mantle. The long standing record of five consecutive wins by one house was matched with the defeat of the "big red" basketball team. It seems no one told the Phlegas that starjock Fred Newman decided to take his final year of varsity eligibility **next** season.

Second term's social calendar was a puzzle — as intended. Soon it was time for the Snow Party. As usual, the ground was bare. Still D. Johnson thought it wise to bring an electric blanket. Mr. and Mrs. T. Gordon were chaperones and a great time was had by all. Jerry Siegel claims to be the first guy to be bird-dogged at such an event. Carnoy, Lange, and Lewyn provided entertainment in the early evening and Marty kept things going past bedtime. Next morn saw real snow on the ground and some genuine skiing was possible on the first four inches of the only 60-inch fall of the season. Maybe we'll try Mammoth next year!

The infamous brake drum had been missing for weeks. So when certain Ricketts frosh received an anonymous "tip" that their toy was in a certain frosh triple in Darbsville, the

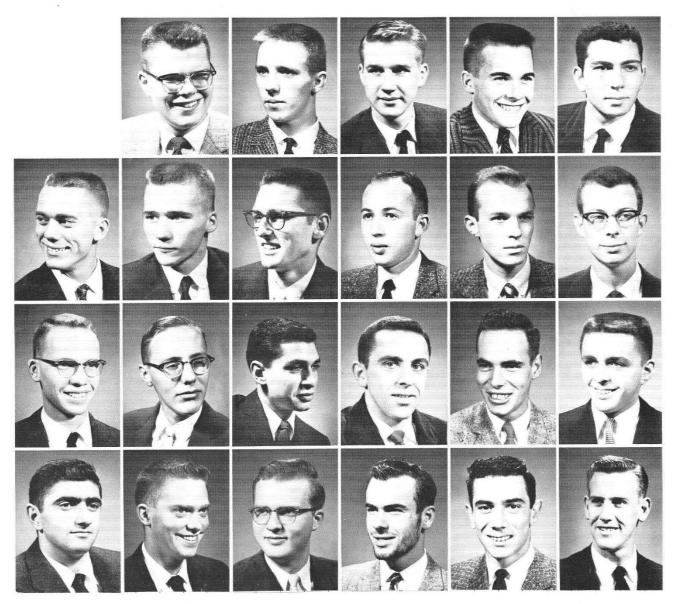
fun began . . .

Bob Lang led the House Glee Club in the most enjoyable Interhouse Sing of several years. "The Wiffenpoof Song" was Dabney's contribution and added to the contest number, "Amo, Amas, I Love a Lass." The outcome was familiar, but we can wait.

Playwright Sidney Kingsley's visit to Tech to study physicists

included dinner at Dabney. Elections saw Bill Bauer, boy politician, elected ASCIT Secretary and Skip Stenbit as the new BOC Secretary. Larry Long and Marty Kaplan amused a Flemish Rube and Miss at the southern party. And the lounge took on a new look for the reception for newly married Dave and Glenna Blakemore. We all hoped Mrs. Lewyn advised them of her experiences with cold seats.

House elections were the next order of business. Dennis Kuli, past IHC prexy as well as President of Dabney, turned his gavel over to Lou Toth, who will bring to that office some long-lacking studious tendencies. Pedro Bolsaitis succeeded Dick Johnson as Executive Vice-president, while Guy Joe Andrews and George Lindsay will try to continue the fine social tradition of Toth and Carnoy. In spite of his lack of heritage, John Lohman promises to be every bit as capable a Treasurer as hard-nosed Sid Roth. (Visit Sid's Place. Often!) The post of House Secretary once again rests secure with the class of 1960 in the person of pappy Don Wilson. No telling what they'll try next year as seniors. Athletics are now under Larry Brown and Skip Stenbit after the great job done by John Munson and Larry Long. Following a current trend, Hank Collier was elected Comptroller following Henry, Spertus, and Jenkins since September. Vic Engleman will find new ways to record House history to match Doug Shakel's color scrapbook. And Jim Yoh will take over from Joel Donnelly as Librarian and will move the now famous bench, too.



Guy Andrews John Arndt Dave Bailey John Bard Jack Bass

Tom Bjorklund J. B. Blackmon Dave Blakemore Mike Bogost Pedro Bolsaitis Shelby Brumelle

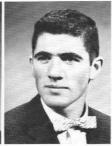
Dave Butterfield Stephen Caine Marty Carnoy Doug Christman Jim Coe Henry Collier

Joe Colosi John Cooper Delmar Curtis Nead deGaston Sol DePicciotto Joel Donnelly















Richard Drew

Victor Engleman

John Erskine

Dean Gerber

John Golden

Tom Gordon

Joel Greenberg





















Dick Johnson

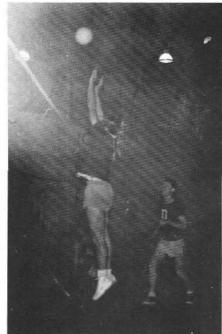
Bill Jones



Spring vacation saw Darbs at home, on the beach, in the mountains and on break-in runs. And four walked to Palmdale. It took them 34 hours of which 17 were spent walking. Siegel went the distance, with Lohman and Shakel being satisfied with 43 miles, four short of the mark. Bill Benisek hitched a five mile ride with Dennis Paull, without whom there would have been some hungry hikers.

The Panama Canal proved even less popular than waves and rocks, so once again the seascape adorns the lounge.
Larry Long was appointed Head Waiter, giving George
Logemann a much-deserved retirement. Carnoy was appointed to the ExComm — Shakel was chosen IHC Secretary, and Julian Prince became the fifth Comptroller this year.

Ditch Day was more reserved than usual but the sunburn was no less painful. Joel Greenberg incorporated a pendulum into his system. Alas, someone chanced to knock at the correct frequency, and presto!



















Joe Jurca

Lloyd Kamins

Marty Kaplan

Martin Kellogg

David Kendle

Dennis Kuli

Bob Lange

The Maverick Club was still going strong on re-runs, and the frosh saw to it that Mr. Erskine wound up hand-cuffed to a Hollywood fire hydrant late one night.

The Spring Formal was held with uncle Hank as master chef. Honored guests included Dr. and Mrs. Lindvall, our new Non-resident Associates. The operetta written a couple of years ago by Ron Shreve and crew was revived and proved to be a howling success.

The Spring Awards Banquet occasioned the return of the Interhouse Sports Trophy. Although the class of '59 never thought they'd see the day, the long awaited return of the Goldsworthy "Snake" Trophy was a great surprise and Denny Kuli virtually caressed it as he carried it home. Looks like a certain rotation cliche has gone to pot. Ho ho!

Tom Bjorklund brought back a tortoise from a field trip to the desert. It was promptly named "Turtle" and became a House mascot.























Bob Leibovitch Lanny Lewyn Lewis Linson John Lohman Dave Luenberger

Mike Levine George Lindsay George Logemann Larry Long Bill Lwol



John Munson

Fred Newman



Brad Norman







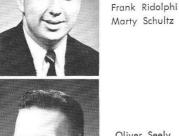
Julian Prince

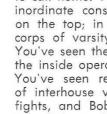
David Osias











Don Owings









Oliver Seely Jerry Seigel David Sellin

Well, pretty soon you'll have to pack. Time to start cleaning house, to throw away the accumulated refuse of four years of House living. Those four years represent a difficult yet pleasant segment in life; a segment vital to the future, yet already part of the past. You came to Tech to get your cut of the best education of its kind available. When you came to Dabney you expected an active, enjoyable environment, lots of friendly guys and companionship, and a place to call home. You got that. What you didn't expect was the inordinate constancy with which Dabney is able to stay on the top; in the midst of the whirl. You've known the corps of varsity Football, Basketball, and Baseball teams. You've seen the wheels of the student body grinding away; the inside operations of the different campus organizations. You've seen repeated mantles-full of trophies, long lists of interhouse victories, superlative social life, great water fights, and Bob Lange's articulated tongue. There is precious little tradition here at Caltech. But Dabney has the biggest chunk of what there is. It was there when you came, you maintained it and contributed to it; and now you leave it to those who follow. For its being intact, your successors owe you their thanks.

Bill Palke

The new steam tunnel is built; under San Pasqual, with provision made for the new Keck Laboratory; under Chester to the new Physical Plant. Exploration finds new type plumbing, new wiring and numerous trite inscriptions so familiar to Darbs. But at the far end some unsung heroes have placed the date and the following inscription: "FIDELIS ET GRATUS, ANOTHER FIRST FOR DABNEY." Three cheers for the Green Elephant!

From now on you'll have more important interests, and old Dabney House will fall into the more distant reaches of your mind. But will you forget it . . . ?

-doug shakel '60



John Smith Sam Smith Harry Spertus John Stenbit Terry Teigen

Warren Teiteiman Joel Tenenbaum Louis Toth David Turner John VanDyke

Christ Velline Frank Waters Paul Widess Don Wilson James Yoh



Fleming



Kirk Polson President



Richard Montgomery, Vice President

This September Fleming was a bit surprised to see an elephant train wind its way into the courtyard. But before the water balloon brigade came into action to drive the beasts away, a man in a turban alighted from the howdah and asked in a precise English accent, "Is this Fleming House?" When answered in the affirmative, he motioned for the dancing girls to begin to unload the caravan. "I'm Rama Murthy, your new RA." We sheepishly tucked the water balloons out of sight as we gathered around to wish him the best of luck during his stay here. But as it has turned out, the cobra that he keeps in his room has protected him from all evil. We will be sorry to see him go at the end of the year since he has not as yet taught us the Indian rope trick.

First term's social program contained many successful exchanges given in an effort to acquaint the fellows with girls in the area. In addition there was a fine cocktail party at the house of Mrs. Knapp where the men of the house and their dates were able to meet with members of the faculty on an informal basis. A few of the other events of the first term were a Barn Dance with Dabney and a memorable off campus party at the home of Mike Engleberg.



Bruce Allesina Chuck Antoniak Ray Barglow

Carl Baum

Keith Brown

Nelson Byrne

























Alan Dauger John Day Robert Despain

House



Dick Dietz Alan Ehrlich Lee Elliott

Warner Fan Jon Francis Bob Gershman

Dave Gildersleeve Arnold Goldford Carl Gottschall

Mike Hanley Bob Heath George Homer

The high point of the fall quarter was of course the Interhouse Dance in which the social chairmen, Karl Knapp and Ralph Cross distinguished themselves for their planning and leadership. The theme was a Spanish bull fight. Under the direction of Dave Rasmussen and his lovely wife Debby, the lounge was transformed into a bull ring with the enraged bull charging out of the fireplace. The dining room became a Spanish cafe where crowds gathered to listen to the flamenco guitar of Manolo Vasquez. The east and west sides of the house were lined with shop fronts depicting Spanish street scenes. All in all the efforts of the entire house bore sweet fruit and the event was a great success. Following the untimely departure of Ralph Cross, Arnold Goldford and Chuck Antoniak appeared on the social scene to assist Karl Knapp. Second term produced a variety of social activity. There was basketball dances, theater and dinner exchanges, a cocktail party at Dave Spencer's, an inter-alley party, the Artists' Ball, and a barn dance with Ricketts. When the Ballet Russe de Monte Carlo was in Pasadena, the social chairman had a theater party and obtained tickets for the men and their dates. The house also held a semi-formal dinner dance which featured an excellent roast beef dinner with all the trimmings. Following dinner there was dancing under the moon to the live music of the Darrel Maiz Quartet. Also during second term there was a beer taster organized by connoisseur Dave Tucker and held at the home of Tom Tebben. The object of the party was for each couple to provide a different brand of beer, preferably foreign, while the House provided great quantities of cheese and crackers. The evening was a great success.



Kirk Polson, Nelson Byrne, Larry Tenn, Karl Knapp, Jon Wright, Dick Montgomery, Barry Clark, Larry Sloss.













Tom Hooton

H. K. Hopkins

John Hribar

Patrick Ion









Bob Jewett

Roy Jordan

Doug Junge

Malcolm Kinter

The obvious follow up to the beer taster was a wine taster held third term off campus. The annual Fleming-Ricketts dinner formal took place as usual during third term. Following a dinner far exceeding the usual Student-House standards, there was dancing to live music in the court yard between the two Houses. A most enjoyable evening for all who attended. The social event that attracted the greatest number of house members during third term was, as it has been in the past, the annual Fleming Luau. It is held off campus with a dinner prepared by chefs from among the members of the House and couples attired in casual Hawaiian garb. Second term was hot and heavy, as it always is, with all organizations holding their elections. Uncle Tom Tebben became ASCIT Vice-President and thereby Lord High Ruler of the awesome BOC. Carl Gottshall ambled into the position of ASCIT Athletic Manager. Fleming hopes to retain the presidencies of SAE, Physics Club,

wave Kipping

Karl Knapp

DeWitt Landis

Bob Langsner

Ronald Lawler











John Lenholme

Milton Lindner

Hayden Macurda

Ian Marks

Pete Mayer

















Ken Muracka



Mel Neville



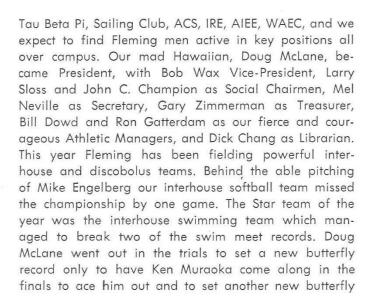




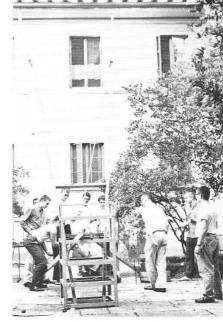
Jim Petty



Lee Ranger







Larry Rhodes



John Rix

Mike Rudolph

Tom Sallee



Larry Sloss



John Soule



David Spencer



Steve Stephens



John Stevens



















Keith Taylor

Tom Tebben

Larry Tenn







Dave Tucker

Gustav Wassel

Bill Wechofen



record. The Fleming relay team also broke the record that they set last year. To top the meet off with firsts in five out of the seven events. There was another star at the swim meet besides the team. It was the eighty Fleming men who came out to root the team on with their own cheerleader and the house song. The strong Fleming volleyball team made a clean sweep for the championship, and the basketball and football teams stand a good chance of winning also. This year Fleming has come from behind in the Discobolus race and now leads the rest of the pack due to the superlative ping pong play of Warner Fan and Dick Chang, and the power of the volleyball team. We believe that we will be able to win the trophy, and place it back on the mantel where it has often been. Also on the mantel is the Varsity Rating Trophy which has become more or less the permanent possession of Fleming owing to the fact that it has never left the mantel other than to have our name added to the plaque. All in all we have found this year very enjoyable and we look forward to rooting the Fleming teams on to more victories next year. Along socio-athletic lines Fleming has an event which is unique in the Student Houses. Every year during third term all one hundred members of the House put on athletic costumes and journey across the street to the athletic field to participate in the Olympiad. The object of the event is to get all the House together and to have loads of fun while trying to determine which of the class is the athletically superior one. In the past the senior class has usually had the winner's laurels, but this year the junior class is likely to beat the seniors. After all the events are finished everyone adjourns to TP where refreshments are served.

Apart from the more formal campus activities, Fleming indulges in a variety of pastimes to wile away the weary hours. The fall water fights this season were highlighted by the appearance of a bigger and better slingshot, capable of bombarding all likely targets within an eighth of a mile with water balloons and oranges.

Fall also saw the Austen Interalley Trophy competition begin with a spectacular Fecathlon, where each alley competed with the others in ten contests of skill and endurance for the possession of the coveted brass spittoon. When the battles were over alley five emerged with the trophy. Although impressive performances were racked up in bottle nursing, cigar smoking, and toilet-paper eating, individual honors went to Barry Clark for his prodigious feat of cracking and devouring twenty-four raw eggs in one minute, to sweep all competition in the egg-eating contest.

With the advent of warmer weather in the spring, water fights once more attracted the energies of the troops. The courtyard bathers appeared again, soaking up the sun as well as an occasional barage of water balloons from the roof. Alley six claimed to rule the universe, but were drowned for their presumption.

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 occupied by water-filled balloons, ice and the like. One poor soul discovered his Volkswagen sitting in the middle of the courtyard, filled with books, clothes, and other junk collected from his room and the rooms of three of his classmates. Another of these deserving seniors found two feet of sawdust liberally distributed over his room.

Meals were kept lively throughout the year due to the activities of the waiters union, the anti-waiters union union, the Women Are Evil Club, and the Anti-Physicists Club. After dinner the house retires for a typical evening of chimney stuffing, cards, and bull sessions in the lounge, maybe a water fight or a shower party, or even study and sleep.

Fleming House felt a deep sense of pride and honor when we again won the Charities Drive, nearly out-soliciting all the other houses put together. Our doughty duns relaxed third term with the prize — a steak banquet and very able entertainment from the faculty, for once our slaves, who also served as our waiters for the meal.

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









Don Wiberg

Jerry Wilhelmy

Bob Williams





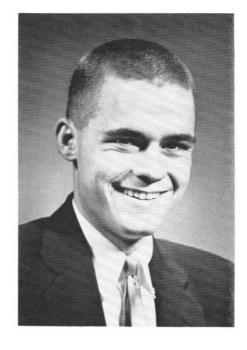
Jon Wright

Gary Zimmerman





Jerry Arenson Luis Baez-Duarte Brent Banta



Frank Cormia, President

Tom Bergstresser John Berry Tom Bowman

Ted Bate Dick Baugh

Clark Benson

Richard Brandt Phil Brooks Terry Buffum

Bob Bump Ben Burke Ross Carder











Ricketts

So what happened in Ricketts this year? You can get part of the answer from a glance at a calendar. Start-ing out the year was of course rotation, which required everyone to make the supreme effort to be much more pleasant, urbane, and impressive than usual, but short-ly followed by initiation (blessed relief!) which required everyone to be much more cynical and surly than usual. Initiation this year featured an entirely new concept of the job of pledgemaster, created by Brad ("Progress is Our Most Important Product") Efron, who made his appearance clad in tux and tall silk hat, delivering comappearance clad in tux and tall silk hat, delivering commands and cutting observations in soft, cultured tones. Lest the frosh get the wrong idea about the nature of initiation, however, there were Doc and Weaver, respectively loud and surly, and Mr. Peter R. F. Rony with his unequalled enthusiasm for waterfighting and other diversions. A memorable innovation was the contest between Frosh Brandt and Turner to determine who was faster on the draw with his slide rule. The contest ended in pandemonium and a tie for last place when neither faster on the draw with his slide rule. The contest ended in pandemonium and a tie for last place when neither was able to come up with the right answer for a simple two-number product. Valuable experience in salesmanship was gained by the initiates int heir attempt to sell to various merchants along Colorado and Lake streets an eight-foot rubber beach ball (inflated). The frosh reigned supreme in waterfights, and even the upperclassmen could hardly restrain themselves from smiling after Fleming, on what they thought was a surprise attack in the wee hours of the morning, found themselves locked in the Ricketts courtyard with two fire hoses play-

ing on them. ing on them.

Before we had had time to recover from initiation and rotation, we found midterms and the Interhouse Dance bearing down upon us simultaneously. Under the leadership of Social Chairmen Efron and Childs plus Interhouse Enthusiast Ted Bate, Ricketts produced something of a departure from traditional Interhouse design, an impressionistic scene based upon "Night on Bald Moun-tain," A large Economy-sized Demon bashed his way rain. A large economy-sized Demon bacshed his way up from subterranean depths to threaten a tiny village, overlooked by an ancient castle. Behind the backdrop, the massed wattage of the house's hi-fi enthusiasts blasted out donder und blitzen to a background of Moussorgsky's music. The lounge was also an innovation, which met with mixed reaction (ask the man who's tried it). Of course the dance itself was just an antitried it). Or course the dance itself was just an anti-climax to the planning and building. What with the backdrops and the bosun's chair for painting from above, this year's construction entailed a lot of rope tricks. Central to this activity was Dokken, grounded by a broken leg, broadcasting vivid instructions to the trolls on the roof, calling upon his knowledge of frosh physics and Strong problems to explain on an average of 30 times per day just why the tension on the bosun's chair rope was not great enough to be hazardous. The rest of the social program featured exchanges,



Carl Morris, Frank Childs, Brad Efron, John Andelin, Frank Cormia, Dick Mac-Anally, Dick Baugh, Eldridge Moores.

the Catalina party, which had an unscheduled over-night extension due to the wrath of Poseidon. Trapped on Catalina with only a supple of pickles, frankfurters, and women, our heroes fought off their bitter disappointment at the prospect of missing their Monday classes and made out as best they could. The house government this year was capably headed

by President Frank Cormia, who enjoyed that job even more than his other two hobbies. Executive Committee meetings sparkled with wit and humor as Efron and Treasurer Eldridge Moores kept spectators chuckling with their friendly mock battles over the budget. In the end they succeeded in verifying Rubin's Law, which states that surplusses are inevitable in a student or-

states that surplusses are inevitable in a student or-ganization. (See defeated ASCIT Treasurer Candidate Art Rubin for explanation).

Under athletic managers Maley and Morris, Ricketts had another successful year in interhouse athletics, marred only by some difficulty in winning games. After breaking even over most of the season, Ricketts ath-letes were forced to settle for fun instead of glory and renown. Hot to defend the Acme Beer Trophy acquired last year, the Rowdy guzzlers practiced hard in preparation for their most critical contest at the third-term Dabney barn dance. Led by Gordy Long, boy vortex, they thrilled the fans by ingesting their way to victory

in 26 seconds for 10 men, a new official record. In the spring came the Interhouse Sing, with the Rowdies fervently hoping to evade the law of averages once again to rack up their sixth consecutive victory. Feelings during the two weeks of practice ranged from complete confidence to bottomless despair, and after the singing on the big night, each Rowdy heart harbored the same desire to commit violence on Dean Eaton as he filibusless to commit violence on bean bean as the minus-tered his way toward announcement of the victors. At last came the announcement that the winning house, "in a great break with tradition," was Ricketts. In the ensuing celebration, throats trained to a razor-sharp edge with two weeks' practice were hopelessly ruined

in hours of hoarse, coarse song.

The end of second term brought elections — first ASCIT, then house. The house election campaign was an unusually valuable one, with both candidates and voters. showing real interest in searching for the bad as well as the good features of house life and attempting to find the right improvements. It got to the point where a Ricketts man couldn't even starta game of potball without finding himself thinking about the effect it might have on house spirit. Following elections there was general satisfaction that capable candidates had been general satisfaction that capable candidates had been found for all the regular house offices and the minor offices as well, It is noteworthy that next year's Executive Committee will have only two seniors as members. But it was the little things, the half forgotten but greatly enjoyed small incidents which even more than the organized events made the year what it was. There were Sorenson's letters from the "girl in Portland" which turned out to have been written by none other than lary Curfman. Jim tried to laugh at this disapthan Larry Curfman. Jim tried to laugh at this disap-







Kendall Casey Frank Childs Frank Cormia













John Curtis Ted Davey Kerry Donovan



The Great Piano R. F.











Doug Fenwick Ron Gebhardt Clint Frasier









Bob Golden Hal Gustafson











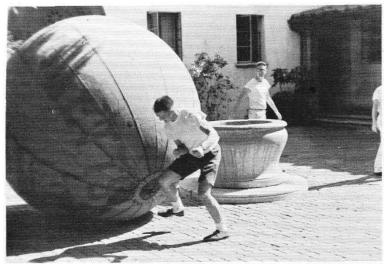


Neil Gretsky Judd Haverfield

Jim Farmer

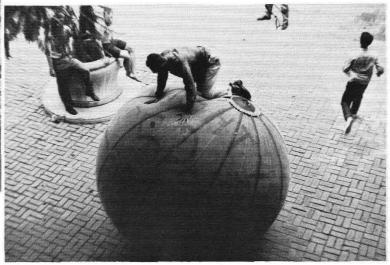
Ron Forbess Jim Geddes

Don Forrest Mike Godfrey

















Bob Hearn

Dick Jones



Lowell Hill

Mike Jones











Tom Little





Gerhard Klose Tony Leonard

Ken Larson Dave Loebbaka

Sid Leibovich Gordon Long

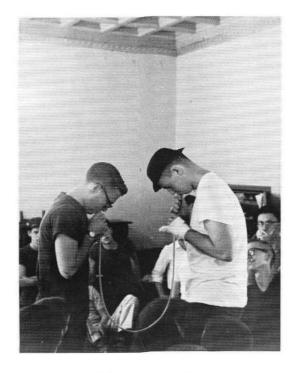


Richard Lona Leonard Maley

W. Lundershausen Hal Marr

Dick MacAnally Paul Marrifino

Miles MacLennan Keith Mathews





Cleve Moler Dave Nissen

Ralph Moore Roger Noll

Eldridge Moores

Larry Nordell

Carl Morris Rodney Pokken

pointment, but his R. L. P. L. lectures never quite regained their former carefree tone, and his intimate friends noticed that he never again took the same wholehearted pleasure from his unicycle riding and four-ball There was Crissman's lecture to the habitues of Pershing Square upon the approaching disaster of the Earth's slowing rotation. (Solution: point all our rocket engines west and fire them simultaneously). There was Goodman's receipt of the Order of the Bone, 'an honor which I never expected to receive." was the records craze: in dessert-serving for time, Sorenson racked up a low record of 14 seconds for a tray of 12, while Stan Sawyer set a record of his own kind with 4 minutes, 37 seconds; in water-drinking, Price emerged as champ with 15 glasses, while other tooambitious attempts ended in minor tragedies; in racing to the showers for least elapsed time, Gretsky developed a new and unsuspected talent, although it was true he had three of his buddies helping him along. A few weeks before Christmas came the Great Piano

R. F. A small group from an obscure religious sect was hard at work at the corner of Hollywood and Las Palmas, bringing the word of the Lord to the materialistic masses hurrying about their Christmas shopping, while a group of curious or sympathetic onlookers watched. Presently there appeared the sneering faces of a group of a halfdozen or so belligerent youths, entirely devoid of re-spect for the Word of the Lord or any other exalted value. The crowd recoiled from the scene of ugly violence it sensed approaching. Suddenly the youths struck, scattering the song leaders, knocking over the crippled pianist, and then deliberately overturning and smashing the piano. They left as quickly as they had come, roar-in goff in a long black car. The police, who arrived on the double in quantify, were temporarily baffled by the case, as were the Oxy students who a short time later found a smashed piano at the bottom of their swimming pool. Only later did they learn that the entire drama had been produced, directed, and staged by Ricketts men.

A description of life in Ricketts would never be complete without including the waiters. We now record for posterity a sample of waiters' table conversation. In order to appreciate its meaning, the reader should be aware that O. R. stands for "obvious remark," i.e, a standard or timeworn wisecrack. A waiter making an attempt at humor which is a too-thinly disguised variant of a previous joke is guilty of "extending the joke." The objective of waiter's table conversation is to make humorous statements without 1) smiling, 2, making an O. R., and 3) entending the joke.

We now take you to the waiter's table. The waiters are seated, eating. Enter Dick Long, rapidly, glancing at watch with worried expression, buttoning shirt. From Long's behavior the casual observer would never guess that he arrives late every day of the week.

Long (earnestly): Hope I'm not late, Baugh. Baugh (glancing at watch with bored expression): Oh, no, it's only ten after.

Frasier (with cold contempt): Way to get here on time, Long

Long (with quiet dignity): I fell asleep. Leonard: Oh, I thought maybe you just forgot to come,

Wooster: Did you forget to go to your memory course

last night, Long? Sorenson (ruling with judicial air as the highest authority on waiter etiquette): That was an O. R., Wooster. Wooster: Sorry, fellas.

Jones: Long didn't make it to his memory course because he forgot the address! (Jones breaks up, giggling in helpless mirth).

Sorenson (greatly aggrieved): Way to extend the joke,

Wooster: Nice O. R.!

Leonard: Way to laugh at your own joke, Jones! (Jones is still weak with laughter. The others ignore him contemptuously).



Karl Pool

John Price

Long (to Baugh): You should hear my new stereo setup. It's really terrific. I got the amplifier kit at 20 % off at this place I know of down in Long Beach.

Forrest: Does it play Aeolian-Skinner organ music, Long? Baugh: Your amplifier can't be any good, Long, since it was built by an M. E.

Jones: Nice O. R., Baugh. Long (in loud, affirmative tone): E. E.'s wouldn't be able to make anything if it weren't for the M. E.'s. How would they ever make the stamped chassis for the amplifier? (Continues to expostulate at great length the relative virtue of M. E.'s).

Wooster (returning from kitchen): Oh, no, don't tell me

I missed the E. E. joke!

Sorenson: Way to extend and extend the joke, Long. Frasier (with considerable heat): Long, every day you

spoil the spontaniety of the E. E. joke. Baugh: Awright, let's go for this barfy dessert. Ready, one, two, three, go. (All extend a random number of fingers).

Unidentified Early-Eating Troop: Hey, don't I get to go for it?

Forrest: You know the old rule. Sevenths for waiters before seconds for troops.

Sorenson: Oboy, I hope I win!

Forrest: I don't really want it. I'm just going for it so
Sorenson won't win. I hope I win!

Baugh (after much deliberation and twitchy arithmetic): Sorenson wins.

Frasier: Oh, no, I won! Baugh, you always screw up! Sorenson (modestly): I won because my heart was pure. Voice from Far End of Table: Pure what?

Some of the things which went on in the house were a kind that an outside observer would just never under-stand. For example, he would never quite comprehend the reason for the irrational enthusiasm of the troops for such skill games contests as Door-Stealing, Pill Pilfering, or Four Ball Juggling While Riding Unicycle Backwards and Spinning Tray Counterclockwise with Left Hand. Too bad Crud didn't accept Prexy's challenge in Back Seat Clambering, but then they would have probably had a hard time getting enough girls to agree to participate anyhow. And then there was the Hitchhiking contest which Uy Your won by a fantastic margin. The L. D. team had its hitchhikers equipped with a banjo and unicycle as props, but Up Your had Judy Jones. The casual visitor to Snake Alley would have had a hard time understanding things too. He might have concluded that the inmates there had flipped due to the pressures of too much study and come down with some inverted form of Acrophobia. Actually, those beds were suspended up there to clear the floor area for largescale experimentation with Man's Oldest Art, at least until Slobko and Hill had their closet wiped out by an exploding jug.

Second term found a group of slingshot enthusiasts busily diverting their excess energy into creative chan-Not contented with a traditional-size slingshot, sufficient to bombard Dabney House with water balloons, they worked on new, improved, and above all, bigger models featuring the patented Baugh Automatic Release Mechanism, together with a block-and-tackle arrangement for cocking, and developed more efficient rapid-fire techniques utilizing the Milder Calibrated Balloon, which nearly spelled diaster for the ROTC. Next began a range-developing phase of experimentation which progressively produced wet splotches on the Olive Walk, on the Synchrotron, and in front of the Greasy. No one knows to what heights the art might have risen if that third-story window in Guggenheim hadn't gotten

in the way.

Twenty years from now who will know the difference? Not many in the outside world. But the hundred Rowdies who lived the year in Ricketts wouldn't trade their experiences for anything.

-LES HIRST



Pierre Sundbora



Lance Taylor















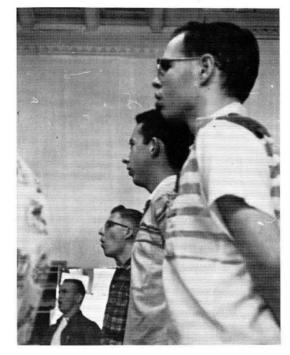


Paul Purdom Stan Sawyer

Peter Rony Doug Smith

Carl Rovainen Jim Sorensen

Bob Ruby Doug Stewart





Dick Thompson John Weaver

Dick Tuft Jim Wooster

Gary Turner Joel Yellin

Don Voet Geary Younce

Throop



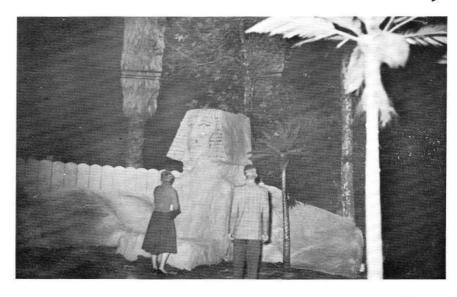
John Everitt. President



Bob Harmon. Vice President

As Dean Strong claims is typical of all Tech freshmen, this year's Throop Club frosh certainly did learn fast. For example, it didn't take them long at all to learn who John Kennedy was. Occupying the distinguished position of head babysitter (i.e. pledgemaster), Kennedy was both father and mother to his adoring diapered charges. Besides diapering his poor little innocents, (woe be to the frosh who lost his diaper) Kennedy's duties consisted of burping the new arrivals after lunch (if they had time for lunch); of making sure that each frosh received his daily exercise; of personally over-seeing his charges daily baths (via water balloon, fire hose, or just fire extinguishers); and of making sure that these future leaders of Throop Club and society were developing spiritually and psychologically and were becoming adjusted to their new environment. The diapered crew evidently thrived on the love and affection that their doting overseers lavished upon them, because their subsequent exploits are now a matter of record. For example, never has "Dabney Eats It," (an old traditional round sung to the tune of Frere Jacques) been sung with such spirit and enthusiasm. Also new records were set in the "frosh lengths" race and in the numbers of annoyed Occidental students.

The Throop frosh always seemed to enjoy themselves at their play with the freshmen of the other houses, because when they returned from this play (soaking wet), they were always bearing such things as fuses, light bulbs, door handles, flower pots, and red fire hats which they said they had won in their games. But, after running short of many of these aforementioned items, some of the houses decided they didn't want to play any more.



Steve Ahrens John Alleman John Armstrong

Dean Ayers

Bob Chamberlain

Gary Chamness

Eli Chernow

Mel Cheslow



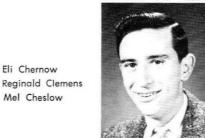


























Ted Elconin

Club



Dennis Evans

















John Grover

Herm Hartung

Robert Hangerbrauk











W. V. Hassenzahl Norman Hawkins

Dave Himrod

After the big night of formal initiation, the diapered throng shed their diapers and were deemed "grown up" enough to join Throop Club as full fledged members. They then turned to the problem of getting through the year at Tech.

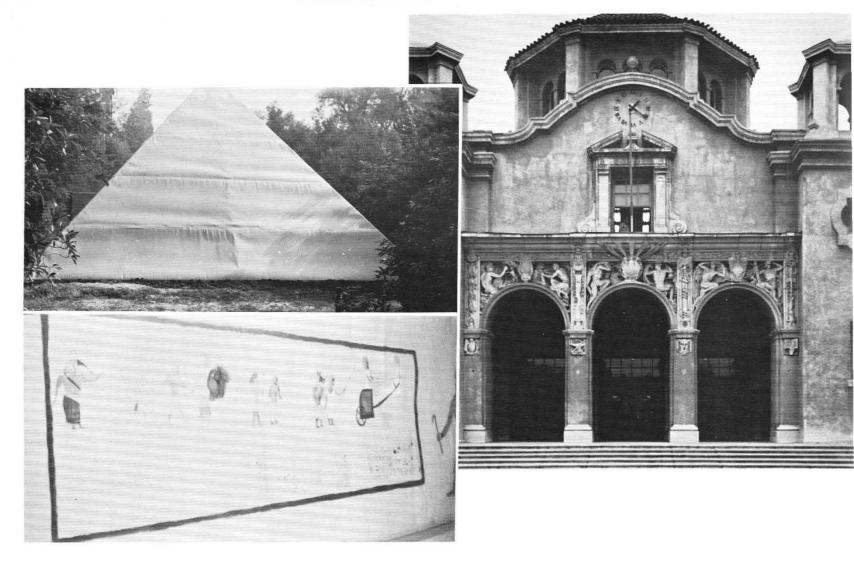
Throop Club, as the new frosh soon discovered, is the hub of campus life for the non-resident student. It is here, next to the "greasy" where the off-campus man can eat his lunch (while the Maltzes play the piano music to regurgitate by), get into a bull session, get into ping pong or card games, or just relax between

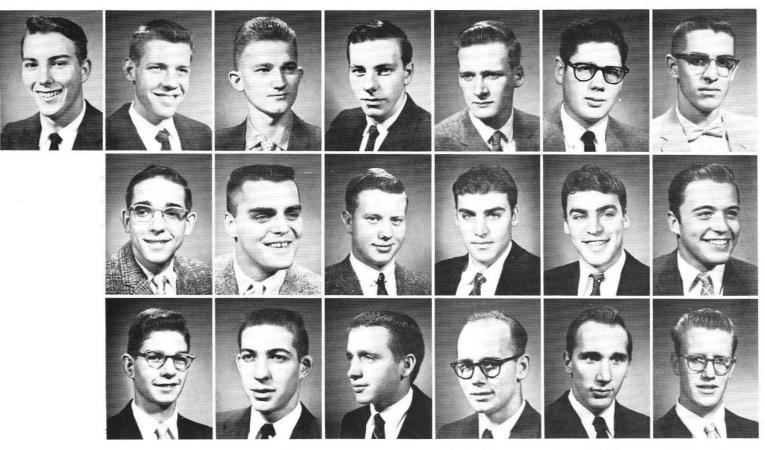
But much more than just a lounge, Throop Club is an organization that provides for the diverse interests of all of its members. Under the watchful eyes of Dick and Lorna Cooper (Resident Associate and mascot respec-tively) Throop's set of officers, led by "old man" John Everitt, the professional student, efficiently organized and directed the activities of the club. Assisting John were Bob Harmon, vice president; Al Porush, secretary; Fletcher "elbows" Gross, treasurer; Dave Himrod and John Stene, co-social chairmen; Buzz Merrill and Chuck Ray, co-athletic managers; and Jim Wilkinson as inspirational leader.

Of course one of the most important of Throop Club's activities is its social program. Planned by social chairmen Dave Himrod and John Stene, weekly social events were found to be irresistable by seniors as well as frosh. After the first preliminary round of exchanges came the first really big event of the year — the interhouse dance. Refusing to be outdone by the other houses, Throop Club planned big for this year's interhouse. Literally overnight, the club lounge and courtyard were transformed into a scene from the land of the pharoahs ancient Egypt. After entering the throne room through the long marble corridor where the hieroglyphics told of the great deeds of past pharoahs, the first object to strike the view of the awed visitor was a seven foot statue of "Toth," the Egyptian god of learning (Courtesy of Twentieth Century Fox), who sat on his pedestal towering over his smoking altar. Across from the imposing monkey god sat Pharoah himself on his throne,



F. Gross, J. Everitt, D. Himrod, B. Harmon, A. Porush, J. Stene, B. Merrill.





Bill Hogan

Chuck House Larry Kugler Etan Markowitz

Bent Huld Ron Kunzelman Wayne Massey

Gary Jantscher Michael Malley Peter Metcalf

Richard Jenson Bob Maltz James Moorhead

Howard Kabakow Carl Maltz Dick Newcomer

Curtis Kuebler Mike Mann Bob Nielsen





Don Nisewanger Robert Rouda John Iver Stene

Martin Olsson Russ Russell Bill Straka

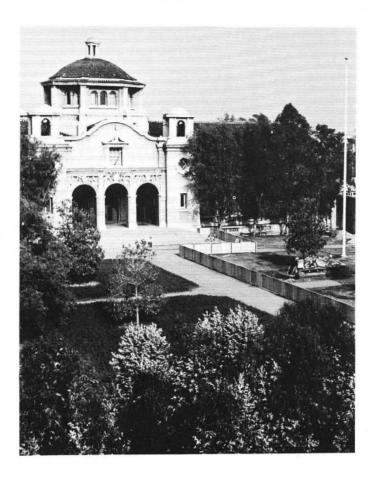
John Petersen Peter Rux John Stromberg

Stan Pollack Jim Scull B. E. Swartz

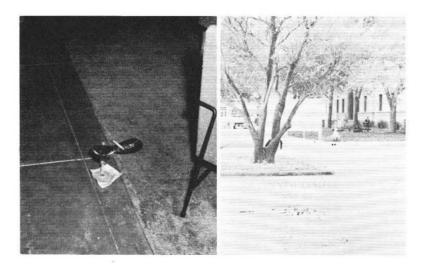
Al Porush Bill Shubert Bob Tait

Chuck Ray Harold Stark Ortwin Wersel

Art Rosenthal







complete with the sacred asp on his crown. Outside, across the desert sands beyond the undiscovered tomb of some unknown pharoah, stood the sphinx and one

of the pyramids.

Although the interhouse dance is the highlight of Throop Club's yearly social calendar, many other events provided diversion and helped to fill up the many leisure house which the Tech student inevitably finds at his disposal. Other events which drew their share of pleasure seekers, included a costume dance, a south sea island dance, a snow party at Big Bear Lake (there was some snow) a Catalina Party with Ricketts (held over an extra day because of popular demand and the Coast Guard) and the usual round of exchanges (until Mike Kane's charming vernacular removed all prospective exchange material), bowling parties, and after-game dances.

Other Throop Club sponsored activities included ping pong and bridge tournaments. Very suspiciously, both tournaments were won by the club president: the bridge tournament being won by the two "old men" of the club, President John Everitt and Ed Schwartz, while the newly elected third term president, Fletcher Gross (an ex-bridge player) copped the laurels in the ping pong tournament. (At last in ping pong he can't elbow anyone).

Athletics too captured the interest of many Throop Club members. Led by all-conference basketball star John Stene and second team all-conference outfielder Buzz Merrill, Throop contributed several regulars to frosh and varsity teams. Varsity lettermen from Throop also included Dale Parkhurst, baseball; Steve Ahrens, track; Herm Hartung, football and baseball; and Chuck Ray, football.

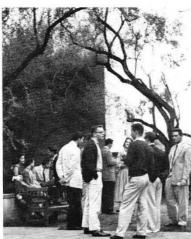
In interhouse athletics Throop Club also showed up well. Strong teams were fielded by athletic managers Buzz Merrill and Chuck Ray for almost all sports, particularly in football, where a 6 to nothing loss at the hands of champion Dabney was the only blemish on the record of the Throop gridders.

Bowling seemed to be another sport where Throop did particularly well. June found the interhouse bowling trophy still resting on the mantel over the club's fireplace, just as it had been for most of the year (spastic

frosh with the "dropsies" notwithstanding).

New officers elected for the third term of this year and for the first two terms of next year will face problems concerning the very existence of Throop Club. Fletcher Gross as president, Doug Dunham as Veep; Dick Newcomer as secretary; Bill Hogan as treasurer; Ralph Dawson, Chuck Ray, and Bob Chamberlain as co-social chairmen, Buzz Merrill and Lon Bell as athletic managers, Ken Marcroft as pledgemaster, and Lynn Hardy as librarian, comprise the new slate of officers which will be confronted by the effects of the new building program, which by the addition of the three new student houses may make serious inroads on Throop Club membership. However, it is felt by many Tech men who have been members of the off-campus house, that there will always be a need for an organization such as Throop Club, to care for those men who from choice or necessity decline to live or eat in the student houses.





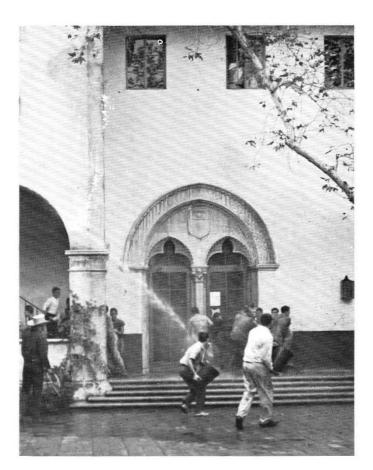




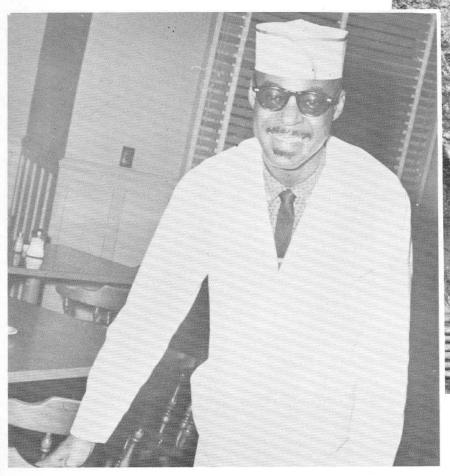








Off Campus







Art Ludwig

Don Anderson Bernard Malofsky John Shuster

David Carta Frank Mihm Gary Stupian

Bob Chandos Meredith Mitchell Byron Summers

Philip Clar Frank Nowak William Waggoner

Mort Cramer David Owens Bill Wong

Earl Johnson W. W. Parker Pai Young

Interhouse Sports

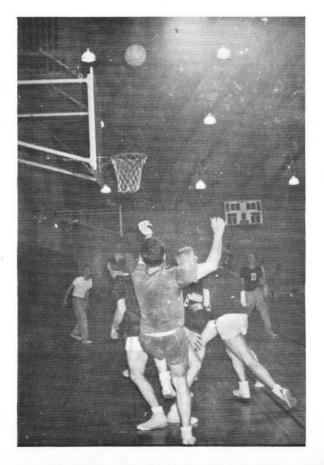


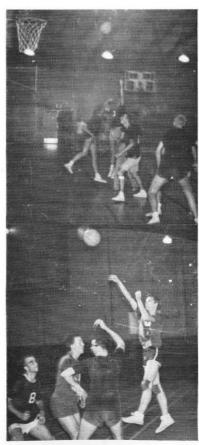


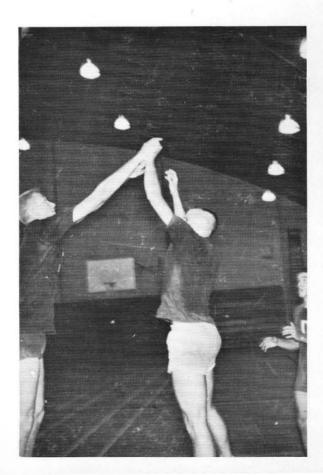




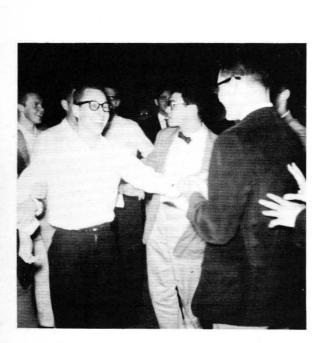


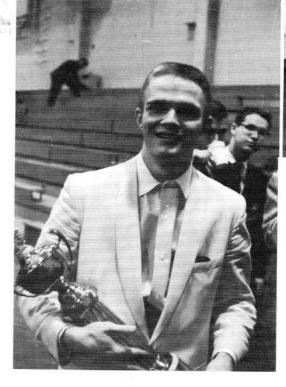








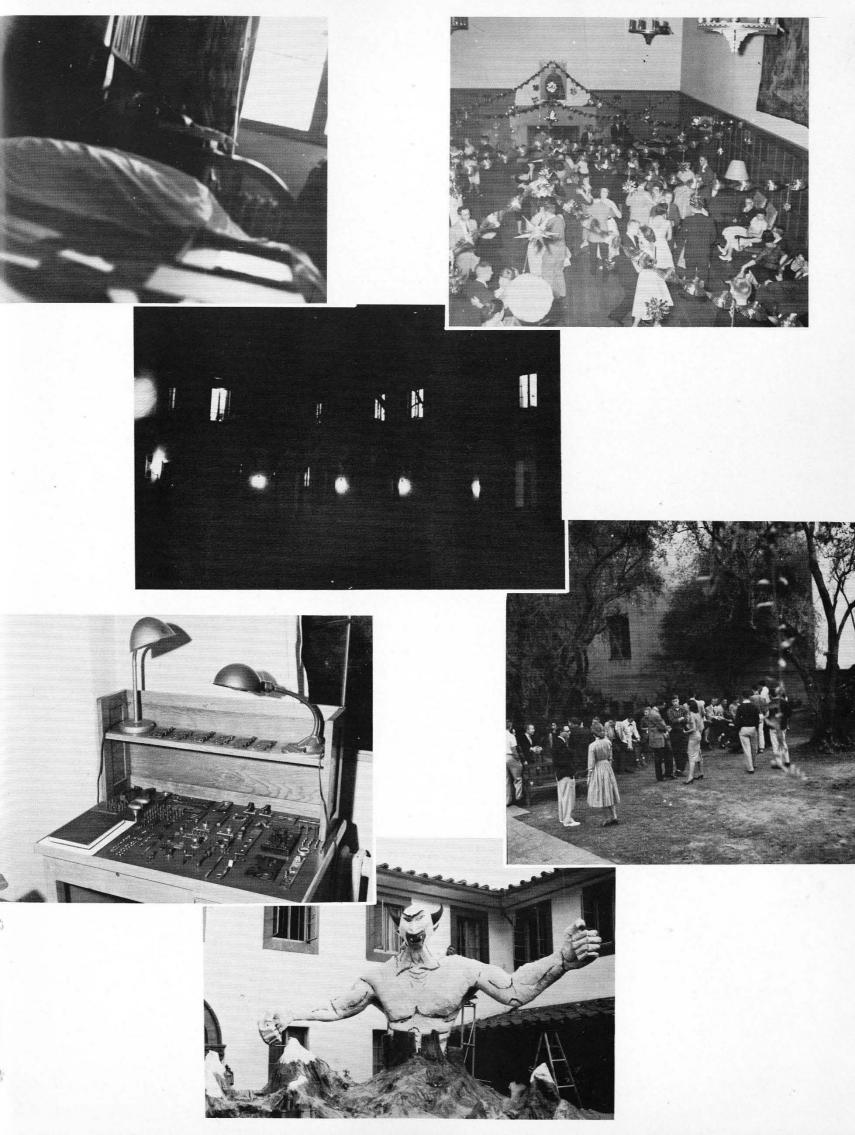














Dr. Robert L. Huttenback, Master of Student Houses



Standing: Miss Leckband, Miss Waltzer. Sitting: Miss Cheney

Office Staff



MRS. NED HALES

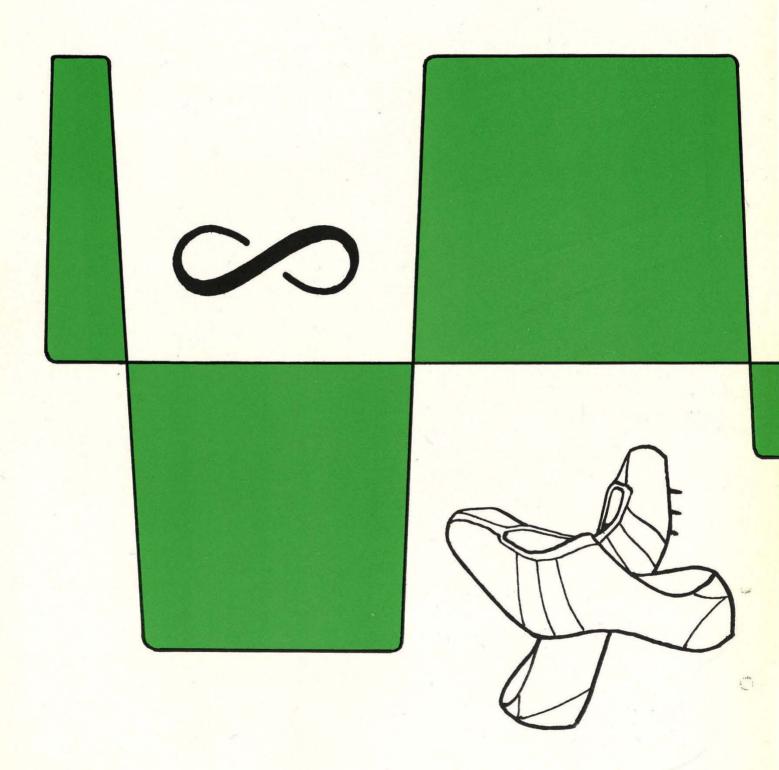


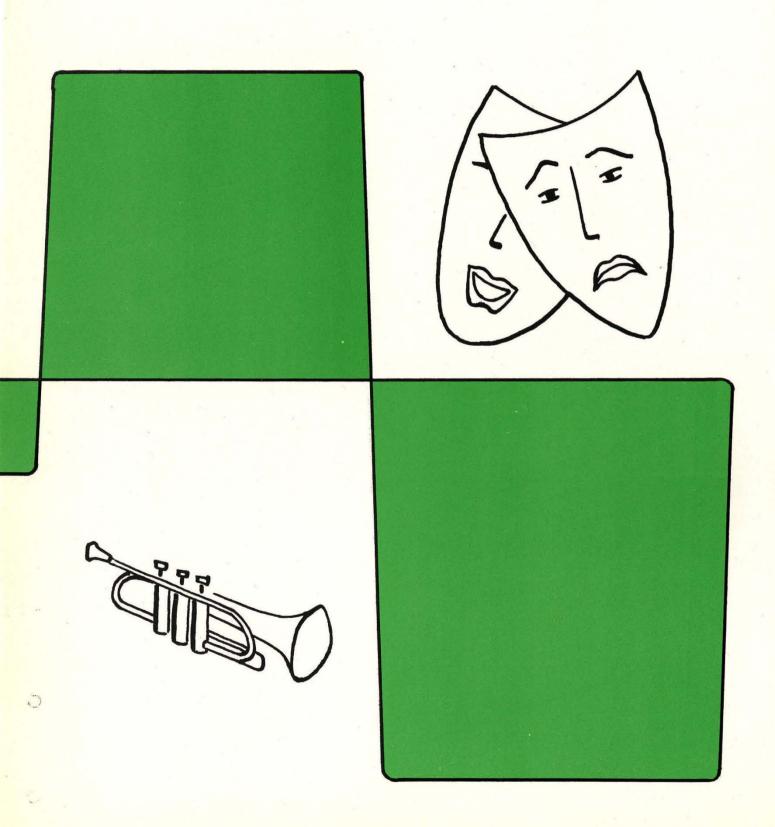
Miss May Croix, Miss Irene Younger, Miss Myra Smithline, and Miss Kertrude Concannon, maintainence women; Miss Mary Townsend, assistant housekeeper; Miss Rachel Kirkpatrick, housekeeper; not pictured: Miss Wilma Peters, maintainence woman.

Resident Associates

Ric Norlander	Blacker
Henry Dearman	Dabney
John Andelin	Ricketts
Rama Murphy	Fleming
Dick Cooper	Throop

ACTIVITIES





Board of Directors

The 1958-1959 ASCIT Board of Directors was the first to incorporate the rather extensive organizational changes made in the student body government during 1958. With policy-making now the major concern of the Executive Committee, the BOD was free to pursue to a greater extent innovations in ASCIT's program of activities.

During the major part of third term, many appointments were made to student offices such as the ExComm, California Tech, BIG T, Little T, Student Camp, EPC, and others. In particular, the 1958 New Student Camp demonstrated great improvement due to more careful and extensive planning. An evaluation committee created by ASCIT has provided in the form of a report a sound operational basis for future camps.

Over the summer, a new program of freshman contacting and visitation was carried out with apparent favorable results.

The Jazz Concert first term was an outstanding success. Featuring Louis Armstrong and the Firehouse Five plus Two, the concert held at the Pasadena Civic Auditorium attracted a large crowd of students and the general public. Meanwhile, the ASCIT Social Program was in full swing. A well-attended Lost Weekend was the highlight of third term activities. Homecoming and the election of a Queen was the dominant event first term. Fifteen hand-picked beauties made for an interesting, if difficult, decision. Christmastime saw Dabney Lounge the scene of a wintery fairyland as couples danced by a twelve - foot tree. Then, of course, the Winter Formal at the International Ballroom of the Beverly Hilton will be remembered by many.

On the more serious side of student body affairs, much was done toward revising the awards system so as to make it more equitable and extensive. Many athletic, debate, and band awards were distributed during the year and forty people were named the recipients of Honor Keys and Certificates for outstanding service to the school.

Of great interest during second term was a proposal for buying a mountain cabin on Mt. Baldy. The idea was finally rejected but along with other suggestions it remains as a possible use for awesome surplus in the treasury. The Educational Policies and Executive Committees were particularly active during the year and the Board of Directors was able to consider many excellent reports recommending improvements in the general operation of the government and relations with the faculty. Of particular interest were studies made of the Physical Education Program and Student Life. The latter was an attempt to describe student institutions and attitudes, certainly an interesting and important quesion.

Submited by, Tom Jovin



Tom Tisch, Rep at Large; Ken Dinwiddie, social chairman; Bob Thompson, activities chairman; M. J. Wilkinson, vice president; Mike Godfrey, president; Tom Jovin, secretary; Tony Leonard, athletic chairman; Jerry Arenson, treasurer; and Dave Spencer, business manager.



R. Johnson—Second Term Chairman, D. Blakemore, M. Godfrey, C. Moler, B. Bauer, M. J. Wilkinson—Chairman, H. Kieffer, R. Carder, C. Hamilton, R. Pitzer, K. Frewing.

Board of Control





D. Johnson, R. Lange, M. Godfrey, W. Baer, J. Arenson, T. Jovin.

Ascit

Executive

Committee

Last year saw the birth of a new ASCIT committee, thoughtfully founded by student leaders who felt a great concern for the Institute and its student body. This past year has seen the ASCIT Executive Committee start off on its first uncertain steps toward effectiveness and a fulfillment of the desires expressed by its founders,

During this first year the ExComm found itself in alternate periods of activity and frustrating immobility. There were times when it seemed that a committee set up on such uncertain and unspecified purposes could not give itself the initial launching that would carry itself into productive operation. Yet the ExComm managed to accomplish some important things. General methods of operation were decided on, and a very informal atmosphere was introduced that has been and will be beneficial as the committee develops thru the years.

Several small jobs were handled by the committee as it attempted to define itself. The honor point system was reviewed, the By-laws were interpreted once or twice, and the P.E. program study by the student EPC was initiated. Then ExComm turned to tackle its most important and thought-provoking assignment: the now-well-publicized study of the Caltech student. This investigation, expanded by several members and several months, has not yet been completed; but from present indications it should be a great aid both to ASCIT and to student-faculty relations.

The present ExComm believes that the committee can be an effective force in shaping and studying the affairs of the student body and of the Institute as a whole. They feel that this group will come to be looked upon by the administration, faculty, and students as a source of ideas and as the first step toward a broader understanding among the many

people and functions that make up Caltech.

New Officers



B. Koh - ASCIT Rep., K. Casey - Social Chairman, H. Kieffer - Activities Chairman, T. Tebbin - Vice President, T. Jovin - President, B. Bauer - Secretary, B. Hilchey - Business Manager, C. Gottschall - Athletic Manager, C. Morris - Treasurer.



L. Linson, G. Logemann, L. Toth, B. Bauer, J. Everitt, T. Tebbin, G. Zimmerman, S. Leibovich.

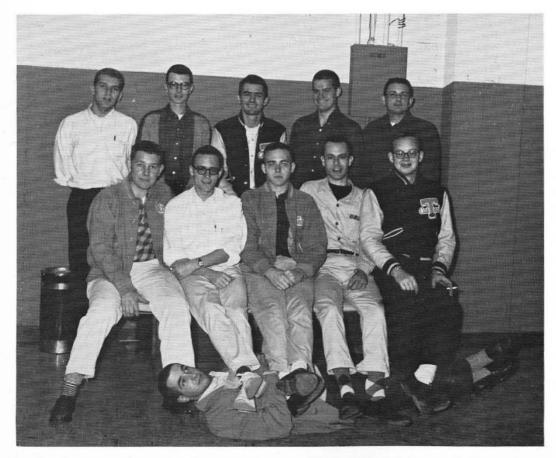
Educational Policies Committee

Election Committee

Due to a present trend at Tech, the first problem of the Election Committee was finding members. The first election was for class officers and the frosh proceeded to have ties and run-offs until the end of the school year caused a secretary to be elected. Questionable material, i.e. garbage, appeared in the Ricketts ballot box from the start. Since the stuff was intended to be thrown out we did just that. The stink it caused resulted in a general improvement in voting behavior in all corners. For a swan song, the ASCIT, ExComm, and others worked out a new, improved election procedure designed to prevent more than three run-offs. The ASCIT's share of the credit goes to 'the others'. Thank to the members for making sure we had some pretty fair elections.



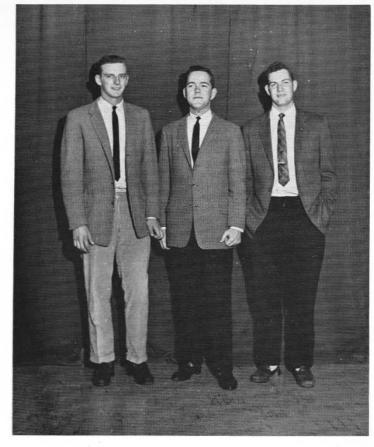
D. Turner, J. Stenbit, J. Lohman, A. Armstrong, W. Baer, C. Velline, D. Forrest, D. Shakel, L. Sloss.



Standing: G. Akselrod, K. Polson, D. Kuli, F. Cormia, J. Everitt. Sitting: R. Harmon, R. Johnson, R. MacAnally, W. Johnson, R. Montgomery, Lying: K. Brown.

Interhouse Committee

Honor Keys



Honor Key committee: Tony Leonard, Dave Spencer, Bob Thompson.

To reward its outstanding members in the field of extracurricular activities the ASCIT organization each year awards Honor Keys. These keys are given to men who have demonstrated great willingness to take an active and responsible part in campus organizations during the current year.

Particular criteria are the service value of an activity to the students and the Institute at large, the responsibility involved, the extent and quality of a man's work, and the overall scope of his activities.

The reviewing committee consisted of the ASCIT Athletics Manager, the Activities Chairman, and the Business Manager. These men tried as much as possible to utilize real knowledge of an applicant's participation in activities gained through interviews etc., rather than rest heavily on a point system as

had been done previously. No attempt was made to strictly limit the number of awards; the goal was to define a standard of excellence which would be an enduring measure of the value of an Honor Key award for succeeding years.

As an incidental part of reorganization it was decided that the members of the reviewing committee applying for awards would be considered by the remaining BOD members rather than by themselves as was previous policy.

Participation in extracurricular activities was particularly high as judged from preceeding years, and a correspondingly higher number of keys were awarded. In addition, Honor Certificates were awarded to men who did not quite merit keys but nevertheless participated highly in extracurricular activities during the year.

HONOR KEYS

Gus Akselrod
Gerald Arenson
Wally Baer
Bill Bauer
Keith Brown, Jr.
Frank Cormia
Ken Dinwiddie
John Everitt
Michael Godfrey
Jerry Hansen
Lee Hood
Dick Johnson
Tom Jovin

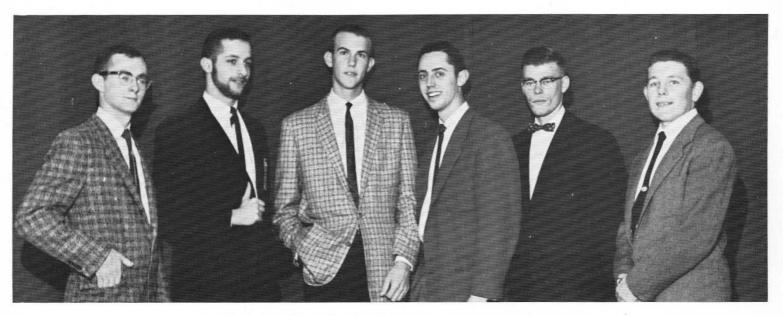
Dennis Kuli
Bob Lange
Tony Leonard
Mike Milder
Cleve Moler
Kirk Polson
Stan Sajdera
Dave Spencer
Tom Tebben
Tom Tisch
Bob Thompson
Gary Zimmerman

HONOR CERTIFICATES

Ronald Arps
Alan Carlin
Martin Carnoy
Brad Efron
Ronald Forbess
Arnold Goldford
Carl Hamilton
Martin Kaplan
Hugh Kieffer
Sid Leibovich
Richard MacAnally

Douglas McLane Richard Montgomery Tom Morton Roger Noll Robert Pailthorp Douglas Shakel Larry Sloss Louis Toth Howard Weisberg Clyde Zaidins

Tau Beta Pi



Dick Baugh, Mike Milder, Bill Graham, Bob Lange, Valdimir Baicher, Bob Harmon.

The Tau Beta Pi Association, national engineering honor society, was founded at Lehigh University in 1885 by Edward Higginson Williams, Jr., "to mark in a fitting manner those who have conferred honor upon their Alma Mater by distinguished scholarship and exemplary character as undergraduates in engineering, or by their attainments as alumni in the field of engineering, and to foster a spirit of liberal culture in the colleges of America."

—Preamble to the Constitution.

The California Beta Chapter of Tau Beta Pi was established at Caltech in 1921. (One year before a chapter was established at MIT). Since that time, California Beta has initiated more than a thousand members.

Although Tau Beta Pi is primarily an engineering honor society, undergraduates at Caltech in all options except biology are considered for membership. To be eligible for membership, a junior must be in the upper one-eighth of his option; and a senior, in the upper one-fifth of his option. A candidate is considered not only on the basis of his outstanding scholarship but also on his personality and interest and participation in school activities. Tau Beta Pi at Caltech has sponsored several projects on campus. During third term, at the discretion of the chapter, a Tau Beta Pi Freshman of the Year is selected on the basis of outstanding scholarship and activities. A free tutoring service is offered to those students in need of tutoring and unable to pay for a tutor. In the past a faculty evaluation program has been sponsored.

This year President Bill Graham attended the 53rd annual convention of Tau Beta Pi at Boston, Massachusetts.

SENIORS:

Gerald Arenson Valdimar Baicher Richard Baugh Keith Brown Robert E. Chandos Ronald Forbess William Graham Francis W. Groesbeck Robert Harmon James Havey Gordon Hughes Richard Johnson Walter Johnson Robert Lange David G. Luenberger Mike Milder Thomas Morton John Peterson Steven Schwarz David Teal

JUNIORS:

David G. Cassel William F. Greenman Bradley Efron Carl Morris

John Munson Louis Toth Howard Weisberg James Wooster



D. Spencer, R. Pitzer, B. Banta, B. McClure

Beavers



Back Row: B. Blandford, F. Newman, T. Tisch, T. Iorillo, R. Lange, J. Arenson, D. Spencer. Center: R. Johnson, R. Thompson, M. Godfrey, T. Leonard, W. Baer, D. Kuli, B. McClure, K. Brown, M. Milder, T. Jovin, R. Pitzer, F. Cormia, K. Dinwiddie. Seated: D. Owings, Beaver, B. Banta.



R. Harris, D. Benson, T. Morton, R. Noll, E. Robkin, K. Scholtz.

Totem

TOTEM'S second year of existence was essentially a successful one; two issues were published and a third was delayed by budget difficulties until the first of next year. A major literary war flared up briefly when an over-zealous critic from the Tech ventured out of his glass-paneled office with a few too many bricks, but the major problem of the year was still to convince secretive Techmen to reveal the masterpieces hidden in the bottom of desk drawers.

As Robkin and Scholtz have at last been led out to pasture, Bob Wax will be Editor next year. Dave Benson and Roger Noll will head the staff of trusted assistants.



Co-editors Scholtz, Morton, Robkin.

The California Tech



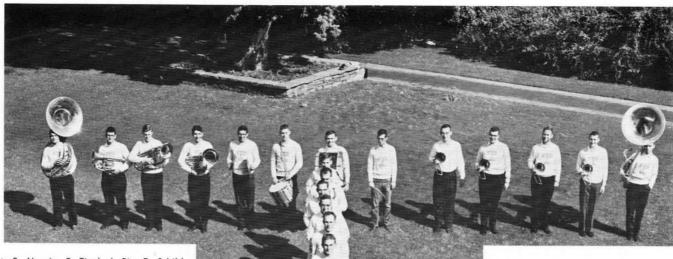
Editor Milder



Sid Liebovitch, Neil Sheely.

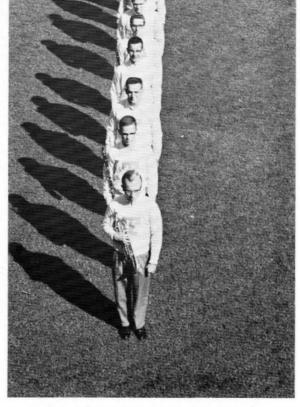


Crouching: L. Kaimins. Sitting: L. Hoss, L. Taylor, B. Kon, R. Noll, J. Yellin, C. Gottschall, S. Lichbovich, N. Sheely. Standing: G. Klose, M. Carnoy, M. Milder, C. Moler.



Left to right: B. Marvin, B. Tivul, J. Rix, D. Schildkraut, D. Norman, D. Forrest, S. Imrich, S. Brumelle, H. Johnson, A. Ehrlich, C. Mead, A. Thiessen.

B a n d



Front to Back: C. Velline, D. Butterfield, D. Green, B. Farrell, T. Bergstresses, S. Sajdere, O. Seely, B. Shull, H. Gier, J. Alleman, R. Gatterdam, D. Kauffman.

If one looks back through the **Big T** for the last few decades, he is sure to find some musical organization — a band or orchestra — pictured in each. Yet "old timers" note that the present band dates back only a matter of three years. Under the able leadership of Tom Bergestrasser, and Christ Velline, band managers, Stan Saddera, student director, and John Deichman, band director, the band con-

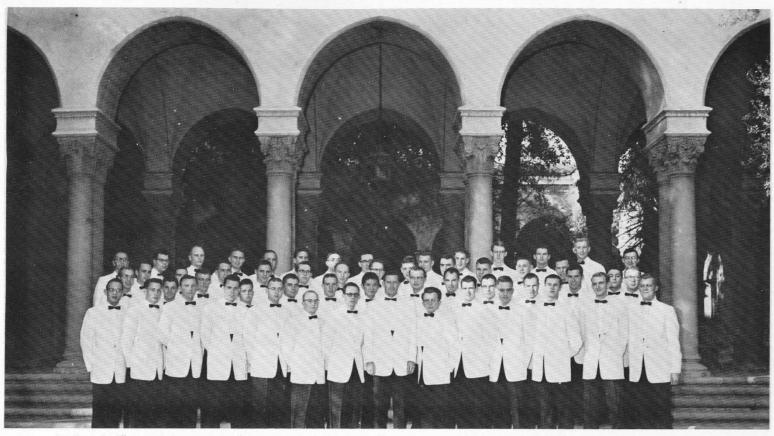
tinued its course of expanded service to the Caltech campus this year. Drawing on undergrads, graduates and their wives, the band, with 33 regular members, has outgrown the small stage of Culbertson Hall and anxiously awaits the completion of the new auditorium with its expanded rehearsal space.

The band is in reality three organizations in one. During the fall months, the Football Band can be heard, at games at home and away, marching for Homecoming, or practicing in T.P. During the second term, this organization shrinks, and becomes the Pep Band, evident at night basketball games, forming the core of the Tech rooting section. In the words of one of the team members, "The guys play, scream, yell and cheer. It really helps to know we have their support."

But the organization of which band members are most proud is the Concert Band. This year, in addition to two successful campus concerts, a winter concert in Culbertson, and a spring concert presented outdoors, the band went on its first trip afield — a special engagement at that cultural center known as **Disneyland**.

As the band grows in size and age, band award jackets are now noticably evident on campus. With only one member scheduled to leave this spring, the band looks forward to bigger and better things to come.

Dohn Schildkraut



1st Row: J. Alleman, J. Meyer, R. Lawler, R. Norton, D. MacAnally, J. Thomas, D. Johnson, Director Olaf Frodsham, F. Davey, L. Fretwell, L. Merritt, L. Langdon, B. Moore, G. Muenich. 2nd Row: B. Gordon, K. Russell, V. Barcher, R. Dawson, President Eldridge Moores, D. Grimes, J. Yoh, D. Curtis, B. Blandford, Librarian Dick Jones, J. Russ, G. Jorden, P. Maraffino. 3rd Row: J. Coe, D. Tuff, D. Mitchell, L. Hood, D. Benson, C. Hamilton, D. Thompson, J. Lohman, K. Frewing, D. Shakel, D. Forrest, R. Carder, L. Sloss. 4th Row: P. Weichsel, A. Ehrlich, Manager Frank Greenman, O. Seely, K. Dinwiddie, K. Casey, L. Kugler, P. Sundborg, T. Creighton, D. Kauffman, G. Klose, D. Long, R. Arps, J. Lovelady.

The Caltech Glee Club had its best and busiest season in its seven-year history in the 1958-1959 school year. Director Olaf M. Frodsham, Professor of Music at Occidental College, led the club in a series of concerts ranging as far as three hundred fifty miles from Pasadena.

The Glee Club performed its normal quota of concerts in the Greater Los Angeles area. On the Caltech campus they sang for Homecoming, the Interhouse Sing, a meeting of the Service League, and the annual Spring Concert. In the city of Pasadena the Club sang repeat engagements for Westminster Presbyterian Church, the

Twilight Club, and the Fine Arts Club of Pasadena. Other nearby appearances included Eagle Rock High School, the Hollywood Women's Club, and the annual College Glee Club Festival held this year at Loyola. One of the most enjoyable performances for the members of the Club was the annual exchange concert with the women's section of the Pomona College Glee

The big event of the year, however, was the third-term tour to San Francisco. In five days the Glee Club put on eight concerts in Bakersfield, Clovis, Hanford, Patterson, San Carlos, San Francisco, and Berkeley. This was the first time the Club has gone on an extended tour. Judging from the response the audiences throughout the state, the tour may well become an annual affair.

The hard - working officers of the club who handled the myriad of details for such a successful season included Eldridge Moores, president; Frank Greenman, manager; Kent Frewing, secretary; Gerhard Klose, treasurer; and Dick Jones, librarian.

David Kauffman



Director Olaf Fordsham

YMCA

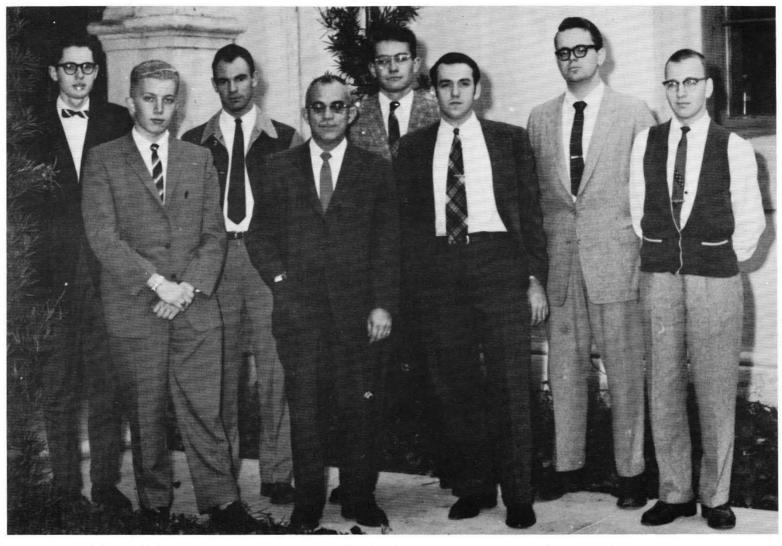
Under the leadership of President Bob Blandford, Vice-President Alan Carlin, Treasurer Howard Weisberg, Secretary Mel Neville, National Representative Tom Morton, and Publicity Director Dave Cassel, the Caltech YMCA enjoyed one of its most successful and exciting years in its history.

The slate of program activities was headed by four leaders of America, Sarvepalli Radharishman, philosopher and Vice-President of India, Victor Reuther, nationally known labor leader, Abraham Maslow, noted psychologist, and James Conant, former President of Harvard and High Commissioner to Germany. Visiting Theologian Will Herberg, famous architech Richard Neutra, and noted educator Robert Maynard Hutchins rounded out the Y's program of prominent speakers.

The Man and the Arts Commission kept things busy with a reading of T. S. Elliot's **Murder in the Cathedral**, the Y film Series and visits to the studios of a number of interesting local artists. The Public Affairs Commission sponsored a small discussion group, a debate on the controversial "Right to Work Law," and a discussion of the Algeria problem. American University Field Staff personnel fitted into this commissons program at several strategic points. The principal activities of the Religious Emphasis Commission were the visit of eight theological students to the campus, the Philosophy of Life Discussion group, and a series of comparative religion lectures given by Floyd Ross.

The Caltech Y kept its reputation for outstanding participation in intercollegiate activities by co-sponsoring the popular Caltech-Scripps Student-Faculty Conference, and by sending 20 students to Y regional and national conferences during Christmas vacation. The Y provided regional leadership in the persons of Tom Morton as Regional Associate Co-Chairman, and Mel Neville as a member of the Asilomar Planning Committee.

The new officers, which include, President Dave Cassel, Vice-President Stan Klein, Treasurer Bob Nason, Secretary Bob Heath, National Representative Carl Rovainin, and Publicity Director Pete Mayer, assisted by staff personnel Wes Hershey, Doug Sampson and Sylvia Escher anticipate that the successes of the past year will provide the foundation for an even more interesting year next year.



Left to right: Doug Simpson, Tom Morton, Mel Neville, Al Carlin, Wes Hershey, Bob Blandford, Dave Cassel, Howie Weisberg.



Wes Hershey, Executive Secretary



Herberg and Benson

SAE



First Row: J. Smith, B. Pailthorpe, J. Johnston. Second Row: K. Knapp, G. Klose, D. Spencer, D. McLaine.

Homecoming



Queen Hilly Ivask

ACS



J. Farmer, P. Brookes, R. Lawler, L. Sloss, H. Rice, J. Hribar, Dr. Norman Davidson, and G. Zimmerman.

ASCE



M. Kaplan, J. Cormia, Charlie Brozuen, M. Holland, and J. Hansen.

Ski Club









The year 1958-59 has been one of outstanding success for the Tech Ham R a d i o Club. For a change, meetings were held and things got done—with the promise of even bigger and better things to come. Under

the leadership (?) of prexy Gordo Hughes, Secretary - Embezzler Steve Schwarz, and Chief Engineer Herm Rickerman, several unprecented steps were taken. One of these was the addition to the club of several grad student members, who turned out to be avid to an extent truly amazing and sometimes embarrassing as well. Amateur radio network operation was instituted, and a free message service started; this service has been very successful with something under a hundred messages handled. The problem of equip-ment reared its ugly head as usual. This time, however, the problem was handled by a highpowered system of taxation, which had the additional advantage of leaving the taxpayers too broke to do anything but use the equipment. For the future the

S. Schwarz, G. Hughes. rejuvenated club looks forward to sumptious quarters in one of the new buildings, luxurious new equipment, and bigger, better, even more gung-ho grad stu-

Ascit Photo

The ASCIT Photo Division is the organization set up by the Associated Students to be responsible for undergraduate photographic activity

on campus. It provides photographs for the Big T and California Tech on request, manages the Student Houses Darkroom, both for its own use and for the use of photo hobbyists, and attempts to provide a general photographic service for the use of the students. Among its more active members during the past year were: Steve Stephens, Chmn., Dennis Paull, Secy.-Treas.; Hap Gier, Darkroom Mgr.; John Soule; Arch Thiessen: Neil Richardson; Bob Williams; and Herb Rice.



Math



The Physics Club meets a few times per term to hear talks on electromagnetic, nuclear, and weak interactions, and their applications in grubby gadgets, or, in short, to hear discussions on everything of importance to suffering humanity. The men with knowledge of these vital problems are found

ance to suffering humanity. The men with knowledge of these vital problems are found mostly on the faculty, and the officers have the glory of flushing them from their ivory towers; in the past year or so this work has been done by our president, Dave Kipping, and the secretary - treasurer, P h i Harriman. To provide refreshments at meetings and enrich the ossifers, the club collects dues. Then, in order to have more desired refreshments and impoverish the officers, a meeting is held off - campus each term.

Front Row. B. Nason, D. Kipping, J. Len.

Front Row. B. Nason, B. Wetofen, G. Blate,
Holme, D. T. Lawiisen, C. Carroll, P. Harriman,
Row. Dr. T. Lawiisen, C. Carroll, P. Harriman,
Row. Dr. Standing: C. Carroll, P. Antoniak.

P. Von. Standing: C. Antoniak.

A. Hales, D. Handel, J. Keisler.

Alpine



R. Despain, H. Kieffer, B. Straka, D. Kipping, H. Rice, A. Whittlesey, K. Mathews.

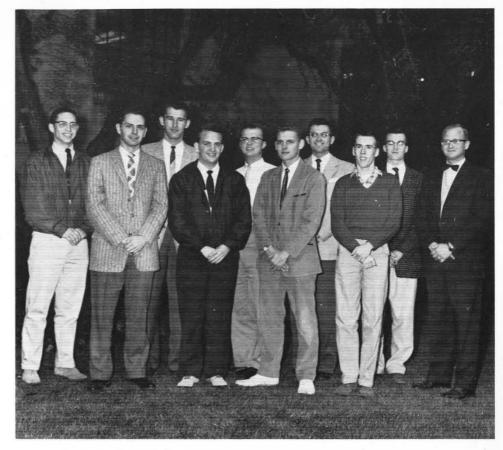


A. Dauger, G. Tibbetts, Mr. D. F. Welch, B. Tokheim.

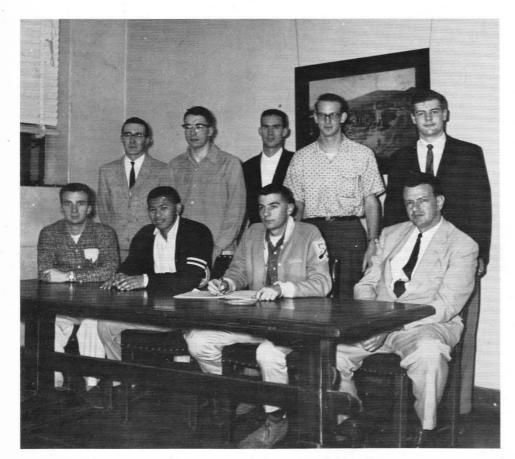
Christian Science

The Christian Science Organization at Caltech was reorganized in 1954. The Caltech Organization is recognized by The Mother Church, The First Church of Christ Scientist, in Boston, Massachusetts and holds testimony meetings every two weeks, in accordance with the Church Manual.

Caltech Christian Fellowship



E. Hughes, D. Parkhurst, G. Swanson, D. Green, D. Curtis, P. Harriman, T. Noonan, C. Flynn, C. Benson, R. Coryell.



Standing: P. Sundborg, T. Sallee, T. Bowman, B. Lushere, C. Baum. Sitting: C. Antoniah, L. Tenn, V. Marino, J. Smith.

Newman Club



Blacker's Dragon



Dabney's South Sea Shanty

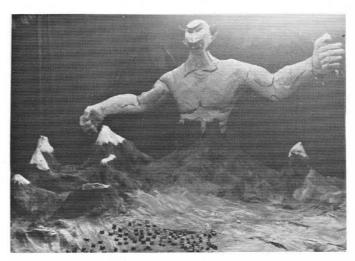
Interhouse



Egyptian Throne Room - Throop



Fleming's Bull Ring



Demon of Bald Mountain - Ricketts



Toth - God of Knowledge - Throop



Ricketts preparation

Dance



Fleming Market Place and Courtyard



Dabney - A new student house?



Blacker - Damsel in distress



Homecoming

AND Dinwiddie said: "Make this the biggest Homecoming ever."

And it was.

The spies went out, disguised by their beards, by their shades, with sharpened pencils and little black books. To Scripps, to S.C. and to P.C.C. they went; in bars, in drive-ins and on the street: "Hey, Baby! How'd you like to be Homecoming Queen at Caltech? A wild scene! Crazy! Way, way out! From Endsville! The ginchiest!"

"Caltech? I thought you were from C.M.C.!!!"

And Dinwiddie said: "Let there be women!" And, lo and behold, one Sunday afternoon, in the court behind Dabney Hall, a large number — in all shapes and sizes — appeared.

Warmth and good cheer spread throughout the People, as pretty smiles and pretty figures graced the evening table.

"Gentlemen of Blacker: I'd like you to meet number 129."

And Dinwiddie said: "Let there be but five!" And slide rules flew, calculators clicked, money changed hands, and there were but five.

Football. Oxy. Halftime. The Caltech Band marched onto the field. An "O." A heart. A crown. A new convertible circling the field.

A whisper, a voice, a chorus, a shout. A roaring of the multitudes:

"Hilly Ivask! Long Live the Queen!"







Ascit Formal

The annual ASCIT Formal was held at the Beverly Hilton Hotel in Beverly Hills on February 20. Jerry Grey and his orchestra supplied the music for

dancing in the plush ballroom of the hotel. Mini, mini VIP's, including Hilly Ivask, attended.





Leaders of America

Discussions in house lounges were regular features of the visits.

As its Leaders of America program for this past year, 1958-1959, the Caltech Y sponsored Dr. Abraham Maslow, a noted psychologist and Professor at Brandeis University, and James B. Conant, former president of Harvard and past U.S. High Commissioner and Ambassador in Germany.

Dr. Maslow, who was here in the second week of December, was very stimulating to the campus, providing the first good contact with modern psychology for many students and faculty. While here he presented many of his findings and views, first in an evening talk "A Newer Conception of Human Nature," then in visits and meals in the student houses. He also spoke to the Anthenaeum Luncheon Forum on "The Psychology of Science" and at many student special discussion groups, including an open house at the home of Mr. Hutchings. Students and faculty made good use of the many opportunities to listen to and discuss with him.

Dr. Conant came in second quarter, in the second week of January. During his stay here he talked mostly about the current educational situation in American high schools and the study of them he had just completed. His opening address dealt directly with this, being titled "A Look at the American High School." Many meals and discussions were held in the student houses, as well as the special discussion groups. He also held a special meeting with the faculty. He was kept busy in his stay here.

We wish to thank Dr. Maslow and Dr. Conant for coming to the campus and participating in this program this year.





Abraham Maslow discusses ideas with students and others.

Caltech debaters had their most successful season in several years and finished the year with a total of 61 wins and 37 losses. Part of this success was due to the scientific aspects of the national collegiate debate question:

RESOLVED: that the further development of nuclear weapons be prohibited by international agreement. This advantage was supplemented by the addition of four experienced freshman debaters to the squad.

After participating in several tournaments at near-by colleges, two teams entered the 50-college Fresno State Tourney in late October. Freshmen Carl Ravainen and Carl Hamilton won first place in the Junior Men's division. The week preceding Thanksgiving vacation three Tech teams participated in the Western States Tourney at Salt Lake City, Utah. Kip Thorne and Dave Jefferson made up one team, Roger Noll and second-year debater Cleve Moler composed another, and Hamilton and Ravainen rounded out the squad. All three teams were selected for the 16-team elimination bracket from 70 original teams. Moler and Noll went on to win third in the tournament. In the individual events, Moler won third in Impromptu Speaking, and Thorne went to the finals in Extemporaneous Speaking.

During the week of March 22-27, Rovainen and Hamilton represented Caltech at the Pi Kappa Delta Nationals at Bowling Green University, Ohio. A tournament at Occidental College two weeks later closed the season. During the year, Carl Rovainen, Joel Yellin, Roger Noll, Carl Hamilton, Kip Thorne, and Dave Jefferson were initiated into the Caltech chapter of Pi Kappa Delta, the national honorary forensics fraternity.

Debate



Carl Rovainen, Kip Thorne, Dave Jefferson, Carl Hamilton.



C. Hamilton, D. Jefferson, S. Kline, R. Noll, (shown about to attack Prof. Dwright Thomas), L. Shade, J. Yellin, K. Thorne, C. Rovainen.

Ken Scholtz, Tom Morton, Roger Noll, Cleve Moler.

Model U.N.

The Ninth Session of the Model United Nations, held at The University of Southern California, was attended by over eighty schools in the Pacific region. Caltech, representing Japan, had a particularly interesting assignment. Members of the delegation sat on the five General Assembly Committees and on the Security Council. In addition, a case was presented by Ken Scholtz and Roger Noll to the International Court of Justice charging the U.S., Great Britain, and the U.S.S.R. with a violation of Japanese sovereignty through atomic testing. Resolutions on a variety of questions were also submitted.

Inter-Nations Association



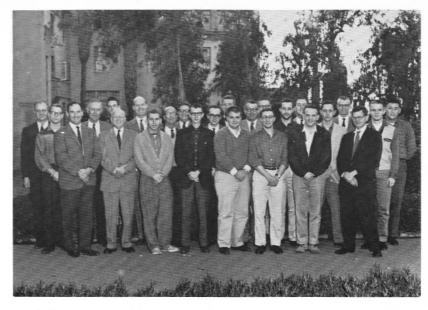
Inter Nations Association Members

Student-Faculty Relations Committee

The Student Faculty Relations Committee is potentially one of the strongest committees on campus. With ten undergraduate and a like number of faculty members, the monthly meetings provide an excellent opportunity for the students and faculty to air their views in private over mutual problems.

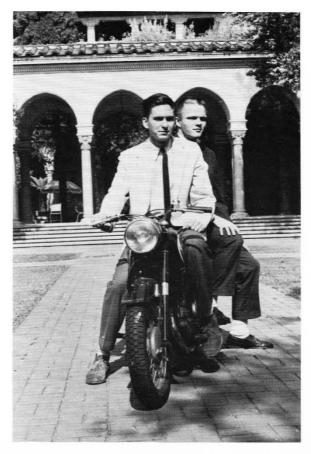
Problems of a general nature are the most typical and include those perennial problems such as the advisor system, student-faculty contact, and how to increase the undergraduate's interest and pride in his school.

The committee chooses its own members and applications are usually opened in the fall for new members.



Left to Right: V. Peterson, G. Hughes, R. Huttenback, P. Eaton, B. Nason, R. Sutton, D. Wood, G. Akselrod, F. Strong, G. Mayhew, K. Polson, M. Godfrey, R. A. Dean, C. S. Zaidins, R. Langmuir, T. Tebbin, W. Baer, M. Milder, D. Spencer, D. Green, R. Lange, K. Clark, T. Lauritsen, S. Sajdera, B. Koh.

The Little T



Ken Casey, Stan Sajdera



Student Shop

Top: C. Kuebler, R. Gatterdam, R. Pailthorp, B. Allesina. Bottom: K. Taylor, J. Siegel, A. Laderman.

Yell Leaders





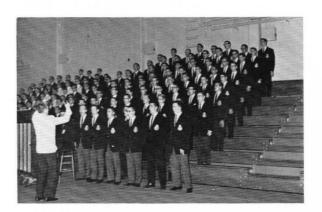
BLACKER



DABNEY



FLEMING

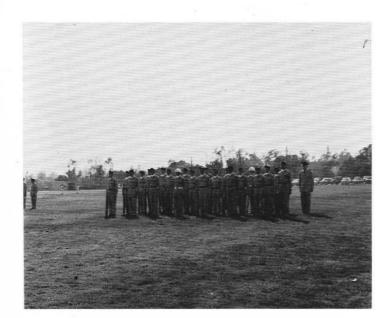


RICKETTS

Interhouse Sing

Ascit Dance Class





A.F. R.O.T.C.

CITIZENSHIP LEADERSHIP

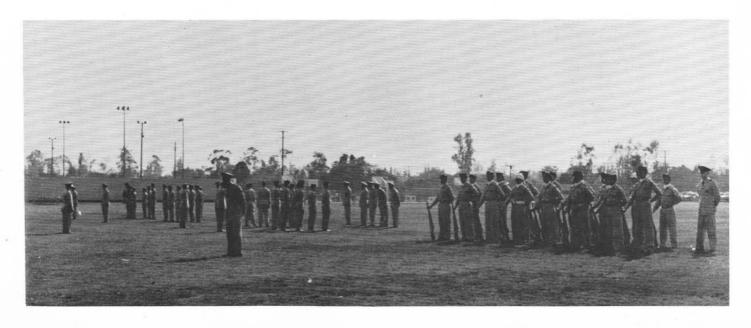
By the tender mercy of the Department of the Air Force, Caltech has an Air Force ROTC detachment. The main reason for the RO's existance is to obtain a high caliber of future leaders for the Air Force, while an incidental purpose is that the Air Force wants excellent engineers and scientists.

The detachment is ably staffed by the Professor of Air Science, Major R. MacKenzie, and three assistants—Capt. Andrew Henry, Capt. George Rokuhara, and Capt. Henry L. Lanman. The administration is aptly handled by Major MacKenzie and the secretary Marge Stadler. The instruction in various subjects concerning leadership and air science is handled by the three captains. The work in the detachment is done by the superb trio of sergeants—M/Sgt. Leon E. Bemis, T/Sgt. Edward Obina, and T/Sgt. Willard J. Garner; who handle respectively the paperwork, student records, and supplies.

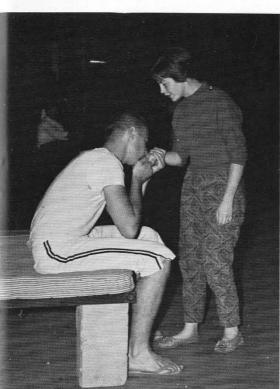
Following standard procedures the cadet staff was completely changed each term. The three cadet commanders this year were Steve Ahrens, John Conover, and Bill Graham.

The group has been very active under these leaders. The standard training has progresses by teaching the basic cadets to drill and the advanced cadets to lead during the afternoon Leadership Laboratory, but this has been balanced by occasional social events.

Because the Air Force has airplanes most cadets in other units get to see one once in a while and may even get to ride in one someday. Caltech cadets are lucky in that Major MacKenzie and Capt. Henry are both interested and experienced pilots. Therefore the flying program at Tech has been quite active, even going so far as to provide rides in the jet T-33.

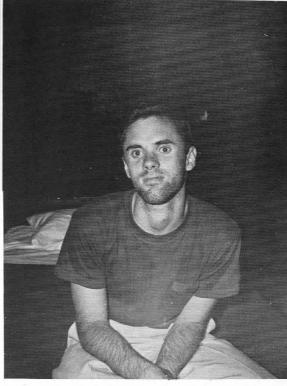


Ascit Play



Watching: Bill Hilchey. Kissing: Ken Dinwiddie. Submitting: Karen Beach.

Techmen and their dates had the privilege of witnessing "The Hasty Heart" this spring. Skillfully directed by Mike Talcott, this national flavor was enthusiastically received by all attending. Stu Goff will forever be remembered for his African chart, while Ken Dinwiddie will be conceded the moral victory of having kept his secret.



Larry "Emu" Elmore



Ken Dinwiddie

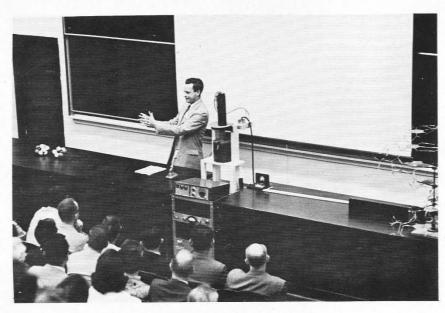
Caltech Alumni



President DuBridge talking to Alumni groups, assisted by Donald S. Clark, '24, Secretary of the Association.

Most Caltech undergraduates know the Alumni Association best for the Alumni Swimming Pool, which was built through contributions by alumni. They also helped finance the gymnasium. A few undergraduates know about the four-four year full tuition scholarships that are made possible through an endowment fund created by the gifts of the

alumni as a group. In October 1958 the Alumni took on a goal of \$1,000,000 as their part of the Caltech Development Program. The solicitation was initiated by 33 group meetings throughout the United States which were tied together by telephone. President Lee A. DuBridge talked by telephone to these groups.



Dr. Feynman lecturing at Alumni Seminar.

An outstanding event each year is the Annual Alumni Seminar. This is an all day session for alumni, their wives, and guests on the campus in the Spring. In 1959 the attendance was about 1200. These 1200 people were treated to lectures and demonstrations by the faculty on developments in engineering and science. The Association also arranges dinner meetings, class reunions and a family picnic. The class of 1959 will hold its first reunion at the anual meeting of the Association in 1964.

The Alumni Association publishes the magazine "Engineering and Science" which reaches all members of the Association as a part of the annual dues or life membership. This magazine presents news

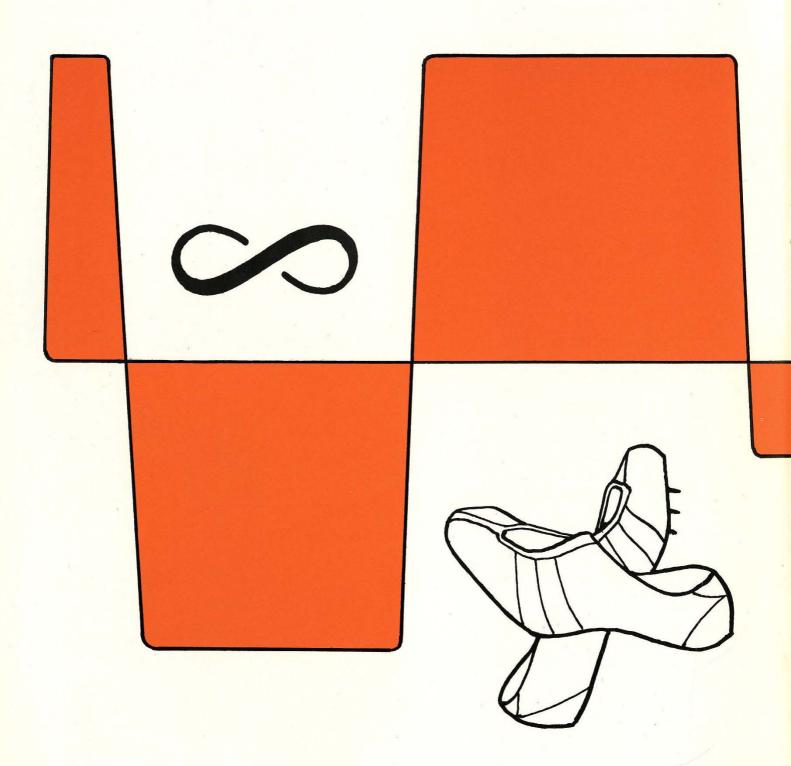
of current activities at Caltech, the student body, and alumni. It is a high caliber magazine that every member looks forward to receiving in each of the nine months for which it is published.

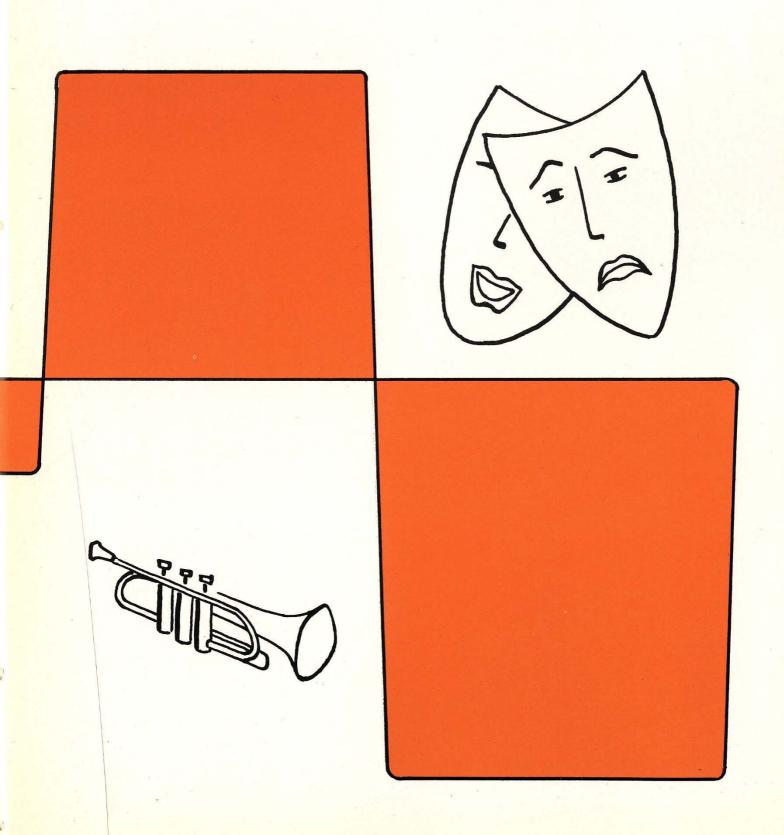
The president of the Association for the year 1958-59 is Edward P. Fleischer, Class of '43, the vice president is Frank C. Bumb, Class of '51. Chapters of the Association are located in New York, Washington, Chicago, Denver, San Diego, Sacramento, and San Francisco. These chapters have meetings from time to time with representatives of the Institute who travel to those areas. Some of the chapters have other activities which bring alumni in that area together,



E. P. FLEISCHER, '43 President Alumni Association

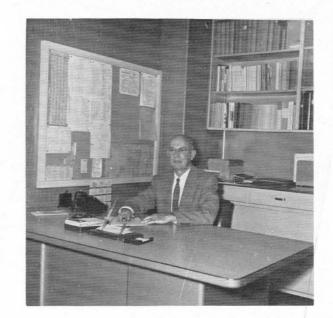
SPORTS





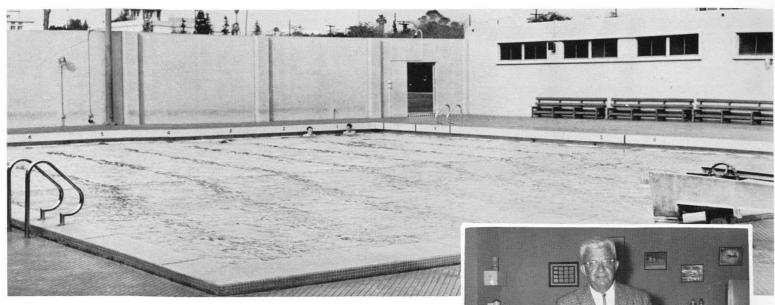


Coach Jim Nerrie



Athletic Director H. Z. Musselman



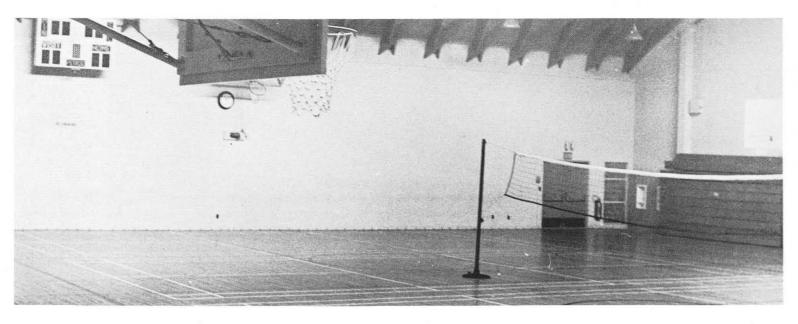




Equipment Managers

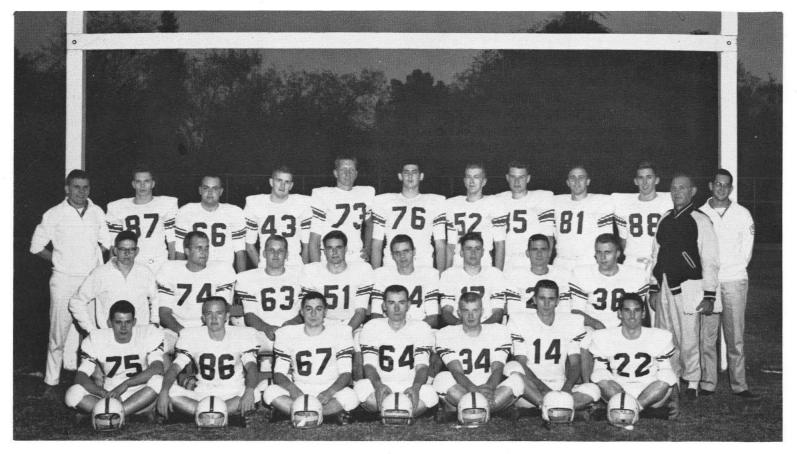


Trainer Doc Hanes



Varsity Football

SCORES 18............ LaVerne39 0 Redlands52 8 Pomona16 26...... Riverside 7 42......42 6 Occidental49 12..... Claremont-Mudd 0



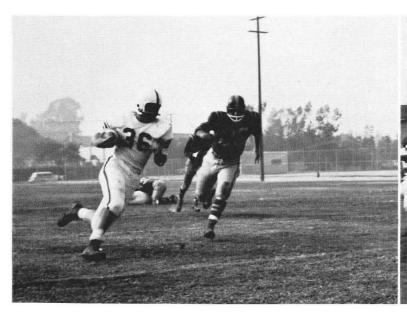
Top Row: D. Shakel - Mgr., M. Ruecker, R. Gatterdam, G. Baird, B. Kerr, A. Rubin, C. Gottschall, H. Hartung, S. Ahrens, F. Newman, B. LaBrucherie - Coach, S. Calhoun - Coach. Middle Row: J. Conover, L. Hood, M. Rusin, J. Walsh, T. Harrington, R. Pitzer, D. Gustafson. Bottom Row: L. Long, L. Sievers, L. Sloss, H. Johnson, J. Siegel, T. Bjorkland, M. Holland.

Caltech's '58 season record of 2-5-1, was not as good as the winning season last year. However, this was remarkably good, as Coach Bert La Brucherie and Shelby Calhoun were able to muster only twenty-seven men.

Tech was honored with two All Conference selections this year. Fred Newman was selected at end, and Russ Pitzer, who last year made second string tackle, was selected second string guard.

LaVerne 39—Caltech 18

The first game of the '58 season featured a green Tech team against a team with one game under its belt. Two recovered fumbles set up Tech scores; one with Holland runing the ball, the other on a Holland to Hood pass. The last TD came in the fourth quarter when Gustatson intercepted a pass and went 48 yards for six.



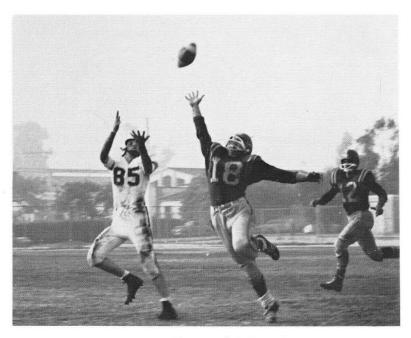


Gus rambles

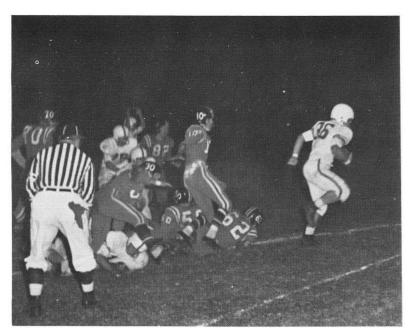
Hood on a reverse



Backfield at work



Hartung pulls it down



Scoring against Oxy

Redlands 52—Caltech 0

The Bulldogs were really up for the game which saw Tech cross the midfield stripe but once. Outclassed, Tech fought gamely to make 5 first downs to the Bulldogs 16. A foot injury put Ed Gahle out for the season.

Pomona 16—Caltech 8

Fighting back after the Redlands' defeat, Tech held the Sagehens to 8 points the first half. A Holland to Hood reverse went 44 yards for Tech's TD early in the third quarter. Newman averaged 40.3 yards per punt, and Gustafson averaged 5 yards per carry.

Caltech 26-UC Riverside 7

A 42 yard Holland to Newman pass-run set the stage for Gustafson to make the first Tech score. Holland's passes set up the next Tech score with Newman hitting paydirt on a double reverse. A Holland-Newman passes produced the next 8 points, and Siegel broke loose for the final tally. Gustafson, Hood and Siegal had good days with averages of 7.8, 5.5 and 6.7 yards respectively.

Whittier 46-Caltech 0

Tech fought back hard after Whittier had taken the lead in the first period. Hood and Gustafson worked the ball to the Whittier 6, but a goal line interception resulted in a Poet score. Another threat went to the Poet 8 on passes from Walsh to Hood to Newman.

Caltech 42—Cal Western 42

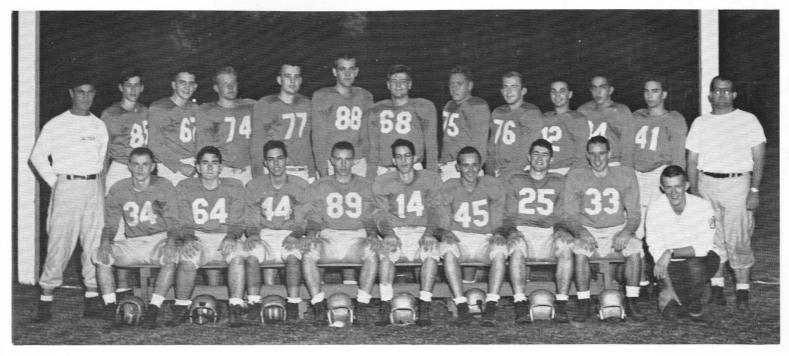
The battle resulted in the highest football tie score in recorded national collegiate history. With both teams relying on offense, passes from Holland to Newman and Hood resulted in four TDs and three conversions. Siegel and Gustafson both hit on the ground.

Occidental 49-Caltech 6

Oxy came back hard after last year's defeat to really sting Tech. Gustafson made the lone Tech score on a three yard run.

Caltech 12-Claremont-Harvey Mudd 0

Tech finally got a chance to ruin somebody's homecoming. Holland scored both TDs on runs. Bjorklund, Hood and Gustafson helped set up the scores.



Standing: E. Preisler - coach, G. Marshall, J. Blockage, J. Scull, C. Baum, P. Marraffino, J. Geddis, V. Hascall, H. Taylor - coach. Seated: E. Cline, B. Williams, B. Palke, J. Arndt, F. Marshall, R. Gebhardt, D. Gerber, D. Grimes, J. Haverfield - mgr.

Frosh Football

The Caltech frosh football squad again found Conference frosh opponents too superior and dropped all four of their contests, losing to Occidental 34-14, Pomona 42-12, Whittier 34-6 and Redlands 54-0. This marks the fourth consecutive year that Tech frosh have failed to post a victory, but the opponents' margin was not as large as in past years. Redlands again romped through an undefeated season and was untied and unscored on in Conference play.

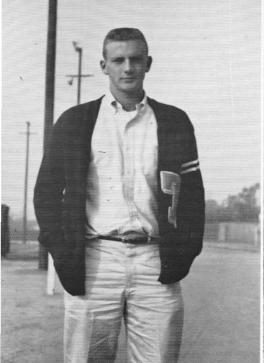
Portions of two games were played on even terms as the Frosh held a 14-14 tie with Oxy at the start of the 4th quarter, and a 6-6 score with Whittier at the end of the half.

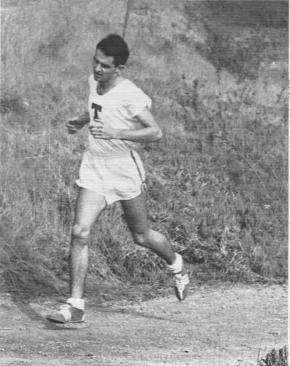
At registration time it appeared that the Frosh prospects for the year could have an optimistic note, as there were 15 men who had made some type of football award (varsity, JV or B) in High School. However, only six of these men reported, as the remainder feared that academic pressure would not give them the time to participate. Out of the squad of 30 men which reported the first week, 25 finished the season.



RUN, man!

Get that boy







T. Leonard—Coach

P. Lippman

D. Loebbaka

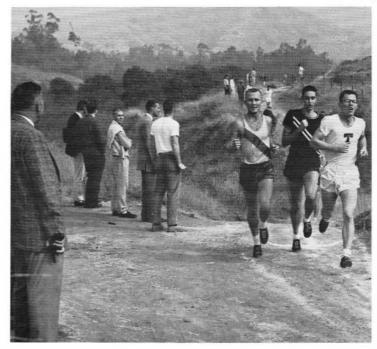
Cross Country

A determined squad of five men, coached by Tony Leonard, failed to post a win in any of their five meets. Composing the squad were Captain Wesley Shanks and Harvey Hansen, lettermen, Pete Lippman and Dave Loebbaka from last year's Frosh and leading-scorer Dennis Paull, a distance man from last year's varsity track team.

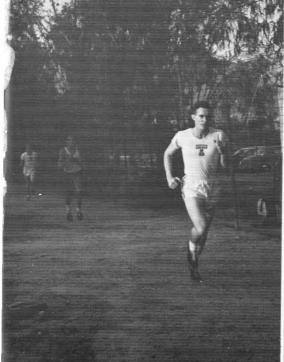
In Conference dual meets, the Beavers were trounced by Redlands 21-35, Pomona 24-31 and Whittier 20-38, lost a non-Conference contest to Pasadena College 24-31 and placed second to the Caltech Frosh in a three-way meet with Claremont Men's College, the score reading 20-27-31.

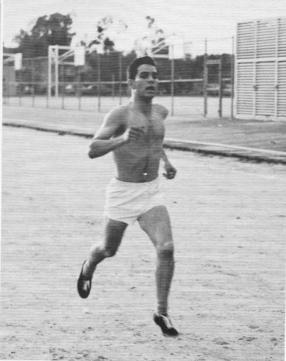
Paull had his best days late in the season, scoring second place in the Pomona meet behind an opponent and taking third in the Whittier meet. Shanks and Lippman were close scorers and these three men usually finished in a group.

Occidental captured the All-Conference meet with a team score of 23 points, followed by Redlands 57, Whittier 78, Caltech 101 and Pomona 111. Peck of Occidental captured individual honors, with teammates finishing in fourth and fifth position. Ward of Redlands placed second and Perez of Whittier third to break the Tiger monopoly. For Caltech, Shanks finished 16th, Paull 17th, Lippman 18th, Loebbaka 24th and Hansen 26th.



W. Shanks and friends







J. Hansen

D. Paull

D. Tuft

Frosh Cross Country



T. Leonard—coach, D. Tuft, A. McGarr, A. Whittlesey, B. Ross, B. Juola.

This year's Frosh Cross Country Team was the best in many seasons. It finished dual and tri meet competition with a five win, no loss record, and placed second in the conference meet. Team captain Dick Tuft, who was high school 880 champ in New Jersey last year, consistently led the field and finished less than first only twice. Bob Juola was never far from Dick's heels, and Al Whittlesey, Art McGarr, and Bob Ross always placed well up in the pack.

The team's first victory came unexpectedly easily when Redlands failed to field a full team and defaulted the first meet of the season. The next meet, held at Tech, was more of a contest and saw the Frosh victorious over Pasadena College, 25-30. On the following Friday the team ran a tri meet against the Caltech varsity and the Claremont-Harvey Mudd frosh, and won over both opponents.

Competing on a three mile course at Mt. SAC, the team then easily defeated Pomona and showed a plucky CMC-Mudd team that its earlier loss had been no fluke. The tri meet scoring was Caltech, 28; MH-CMC, 34; Pomona, 57. Four days later the Frosh five journeyed to Poetville for an easy 23-32 win and a look at the hilly course over which they would run in the conference meet.

The minimum five man team's hopes for the SCIAC title were squashed by a series of minor injuries and illnesses shortly before the conference meet, and a strong Oxy team easily forced the Techmen into second place. Tuft placed fifth; Juola, seventh; Whittlessey, ninth; McGarr, 10; and Ross, 16. Official score was Occidental, 33; Caltech, 47; Whittier, 66; Redlands, 93. A full Pomona team did not cross the finish line, and Claremont-Harvey Mudd, not yet a conference member, ran unofficially.



Tenn strikes again

SCORES

Tech	Opponents
2 Santa Ai	na4
4 U.C. Rivers	side 1
3 Redland	ls1
0 UCLA	5
3 Pomono	a4
1 Santa Ai	na3
1 Redland	ls 1
4 Riversid	e1
O San Franc	isco9
1 Pomono	a2
I IICI A	5

Soccer

Standing: G. Hachtel, I. Jones, E. Cumberbatch, B. Norton, G. Converse, L. Baez-Duarte, R. Rorbess, L. Andrews - coach. Seated: B. Banta, F. Wilson, L. Linson, D. Chang, L. Tenn, D. Dietz, M. Jones.





Oh Ho!-A Russian ballet

This year the Beaver Varsity Soccer Squad posted a 3-7-1 record while playing a greatly expanded schedule. Two new schools, Santa Ana JC and Redlands University, were added to the list of the opponents of the preceding year. The Beavers also played the University of San Francisco in a practice game during Thanksgiving vacation.

The season was a disappointing one when compared to the previous year's league championship. However, the team was much better than the record might indicate. One of the losses was a 3-1 double overtime game against Santa Ana, and another was a 4-3 triple overtime defeat at the hands of Pomona. The second loss to Pomona was by only one goal, 2-1.

The team was seriously handicapped by injuries throughout the season. Gary Hachtel was injured in the fourth game of the season, and he was unable to return to action in later games. Several other Beaver regulars were forced to miss one or two games because of minor injuries or illness. Nevertheless, Coach Lee Andrews consistently compensated for the team's lack of reserve strength by uncovering new talents in his players. In the course of the season nearly every man on the team played at least four positions.

It is impossible to single out two or three players for special mention. Brent Banta and Luis Baez-Duarte, the cocaptains, were certainly very valuable to the team, both as skillful players and as spirited sparkplugs. The remaining seniors on the squad, Larry Tenn, Dick Dietz, Lew Linson, and Mike Jones, saw a great deal of action. They were ably assisted by graduate students Glenn Converse, Bob Norton, and Leuan Jones, and by faculty member Ellis Cumberbatch. Three outstanding freshmen, Dick Chang, Francis Wilson, and Julian Noble, were also awarded letters.

Ouch!

Watch that ball







Standing: P. Ion, P. Mayer, A. Carlin, N. Byrne, B. Dowd, G. Robkin, J. Weaver - coach. Seated: W. Straka, J. Yoh, M. Neville, C. Maltz, R. Tait, R. MacAnally.

J.V. Soccer

In 1958, the Cal Tech Junior Varsity Soccer Team, under the leadership of coach Jim Weaver, went from a straggling mob of men to a well-coordinated team of future varsity players. Continuing the five year tradition (broken only once in '56) of losing games, the team nevertheless was rated tough opposition by her opponents, with the defensive game considerably the better. Nelson Byrne, goalie, was a defensive kingpin, with fullbacks Tait, MacAnally, and Leverett; halfbacks Carlin, Carrol, Ion, and alternate Maltz twins rounding out the crew. The offensive unit, featuring Robkin, Yoh, Dowd, Mayer, and Forbess, was also powerful, if somewhat less integrated. Other J.V. members seeing action were Neville, Straka, Arenson, Michael, Mock, and Wilkinson.

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CIT	0		0	•:9													•	T	hacher	12
CIT	0			•			•			,									Cate	10
CIT	0							•						•					Webb	5
CIT	2																٨	٨	idland	7
CIT	0																		UCLA	4
CIT	0	,																	UCLA	9

Frosh Water Polo

The Frosh water-polo team had its first winning season in many years. Coach Webb developed a strong, well-balanced squad which missed a perfect season by only five points, with only one man, Captain Bob Russell, who had high school experience.

In their first game, the little Beavers dropped four points during the first quarter to the eventual league champions, Pomona. Although Caltech out-played the Sagehens throughout the rest of the game, they were unable to overcome Pomona's lead and lost 6-8. Their second game saw them with-

out the services of their fine goalie, Laurence Seeley, but the Frosh whipped Occidental College anyway, 10-7. In their only non-league game, the little Beavers easily beat an outmanned Pasadena City College team 7-5. The next game saw Caltech lower the boom on hapless Oxy, 7-1. The final match of the season was a bitterly contested game in which the Frosh missed a tie for the league championship by only one point in losing to Pomona 4-5. With the many outstanding men on this fine Frosh team to draw from future varsity teams should certainly be very strong.



Standing: M. Buck, G. Mitchell, T. Sallee, G. Turner, Z. Cantrell. Seated: D. Osias, R. Russell, B. Howard, L. Seeley.



Standing: J. Thomas, R. Bland, P. Rony, G. Tibbetts, D. Tucker, B. Pailthorp, M. Kane, E. Seltzer, D. Wiberg, W. Emery-coach. Seated: G. Zimmerman - mgr., J. Erskine, B. Ruby, T. Tisch, B. Heath, D. Voet, M. Mann, K. Brown, D. Owings.

Water Polo

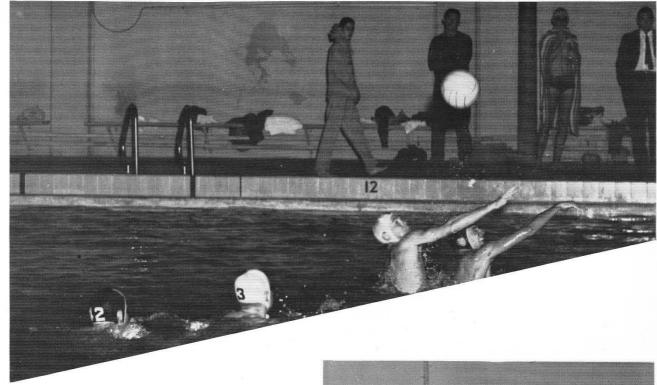
This year the Caltech team played sporadically good water polo. The team worked together admirably for quarters and halves of games, however we found it difficult to put together a consistently well played contest. The less-thansensational showing this season could be accounted for by the lack of experience and lack of good replacements on the bench, and by distinctly poor refereeing in some cases. But the simple fact remains that in spite of hard playing and praiseworthy efforts from every member of the team, we did not play championship water polo. Each game could have been either won or lost, and unfortunately we received more than an equal share of the losses.

Two men on the team received All Conference honors. Don Wiberg, returning after a year of absence to fill his position at the goal, was the obvious choice of the coaches for first string goalie on the All Conference team. Dave Tucker repeated his performance of last year, again being selected as a guard on the second string of the All Conference team. Wiberg, who played for the duration of every game ..ever ceased to amaze spectators by making seemingly impossible saves. Tucker was our "do-everything" man. He assumed the job of defending against the best shooters of the opposing team, but he still had time to break free and shoot enough goals to lead the Tech team in scoring.

The top shooters were Bob Pailthorp, Bob Ruby, Mike Kane, Keith Brown, Pete Rony, and Don Voet and Dave Tucker, both of whom broke away from guard positions to score points. Pailthorp, the most active shooter for the Tech

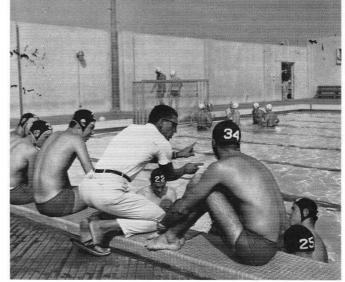
team, matched Tucker's number of scoring shots. Ruby, who alternated between forward and guard positions, was close behind the pace set by Tucker and Pailthorp. Mike Kane, for whom this was the first season of water polo, was used in the last few games in the position in front of the goal. The reason for this was that he could not swim very well, but he floated superbly. He also had one of the most powerful shots on the team, and it was sometimes accurate, to the dismay of the opposition. Keith Brown and Pete Rony filled in the forward positions, playing consistent water polo all the time they were in the play, which was a large percentage of the season. Brown also provided for the spiritual and philosophical needs of the squad; Rony just played water polo.

The team defense was taken care of mainly through the efforts of Don Owings, Tom Tisch, Tucker, and Voet—all of whom played a hard, rough game. Voet showed some of his ingenuity when it was discovered that one of the men on one of the opposing teams was using his left elbow to stab Tech defenders while making a right handed roll-over shot in front of the goal. Voet remedied the situation by grabbing the man's right arm under water just before the man was about to shoot. Thereafter the number of shots made by this particular member of the opposition dropped almost to zero, and it was also noticed that every time the ball was passed to him he twitched a few seconds later. Voet, Tucker, and Kane also took it upon themselves to break up the serious atmosphere created by Brown by injecting their own form of humor into the practice sessions.



SCORES:

Tech	Opponents
7 Santa Barbara	8
1 Alumni	3
6 Whittier	9
O Long Beach State	9
1 Pomona	23
6 Claremont	5
2 Occidental	8
7 PCC	2
3 Whittier	5
3 Pomona	8
1 Claremont	3
9 PCC	8



Pre-game huddle





Throwing strikes

Wiberg: All-Conference



Baskethall

Caltech's Basketball team won its first conference game in five years this season. Although the overall record was two wins to fourteen losses, this is not indicative of the quality of ball that the Techmen exhibited this year. The Beavers played very well against some of their most difficult opponents, yet, they lost some of their easiest games. Half-time scores were more often in favor of Tech than were the final scores. In conference matches against Occidental and Pomona, Caltech led at half-time for each of the four games.

Sparked by Captain John Stene's brilliant offense (average 13.5 points per game) and rebounding (average 5.4 rebounds per game), the Beavers showed remarkably good ball handling throughout the season. Stene was one of the conference leaders in rebounding (averaging 8 rebounds per game in conference play.) A definite lack of depth on the bench made things difficult for Tech when the regulars got tired.

Mel Holland, one of the regular guards, put in more time than anyone else except Stene this year. Although Mel was not the highest scorer on the team, he was outstanding in his ball control, his ability to gain possession of the ball, and his ability to get fouled. Mel took more Free Throws than anyone else on the team this year.

Dave Blakemore, playing the other guard, showed considerable improvement this year. His overall average for the season was 5.7 points per game this year. Particularly after

mid-season, Balkemore improved his shooting from the floor. He scored 16 points against Occidental. Blakemore's rebounding was particularly outstanding considering his height.

Senior Bill McClure played the starting center slot this year, and was the outstanding rebounder on the Tech five this season. (Average 5.6 rebounds per game).

Len Maley was one of the starting forwards this season. His play was consistent throughout the season. He endeared himself to the fans with his mysterious underhand shot after a drive-in which invariably guaranteed a foul if it didn't go through the hoop. Maley's highest score of the season was against La Verne when he made 13 points.

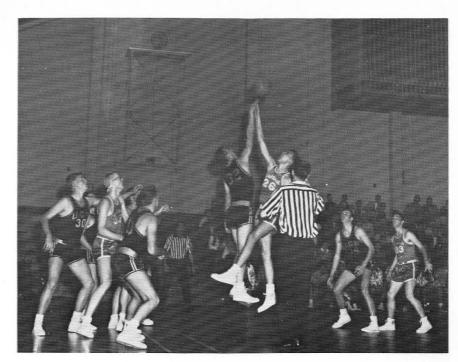
Bill Ripka and Larry Brown were both outstanding assets to the team, particularly when they were hot. Brown scored 16 and 18 points in the Redlands games. His overall average was 7.6 points per game. Ripka boosted his record for the season by averaging 12 points per game in the last four games of the season. Senior Ralph Owen was among the starters for the final game of the season against Whittier.

Hopes run high for a successful season next year. Besides the regulars who will be returning, Coach Rock will have experienced players Ron Arps, Ben Burke, John Haworth, and Larry Shampine to work with.

Among the interesting final statistics for the season are the facts that the Beavers were outfouled by $40\,\%$ for the past season.

SEASON SCORES

SLASON SCORES
L.A. State
U.C. Riverside
U.C. Riverside57-65
Cal Poly45-62
Redlands
Pomona
La Verne51-69
Occidental
Claremont-Mudd50-55
Cal Poly
Redlands50-73
San Fernando Valley State52-54
Pomona
Cal Western
Claremont-Mudd
Whittier
Occidental62-79
Whittier

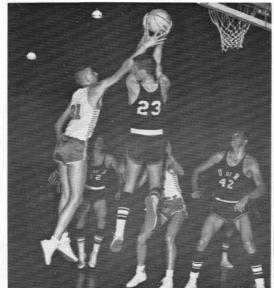


I wish I was an inch taller!





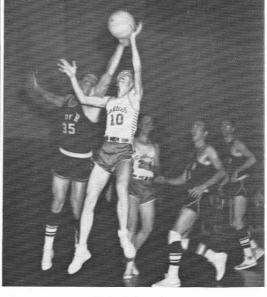
Standing: Gene Rock - coach, R. Owen, B. Burke, R. Arps, J. Haworth, L. Shampine, D. Spencer - mgr., J. Farmer - mgr. Seated: B. Ripka, D. Blakemore, B. McClure, J. Stene, L. Maley, L. Brown, M. Holland.



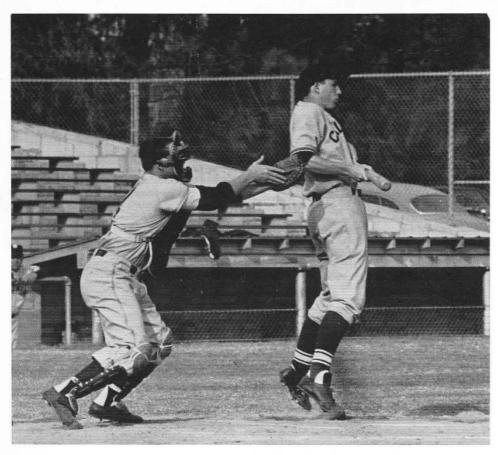
Arps stretches



Stene in close



Ripka rebounds

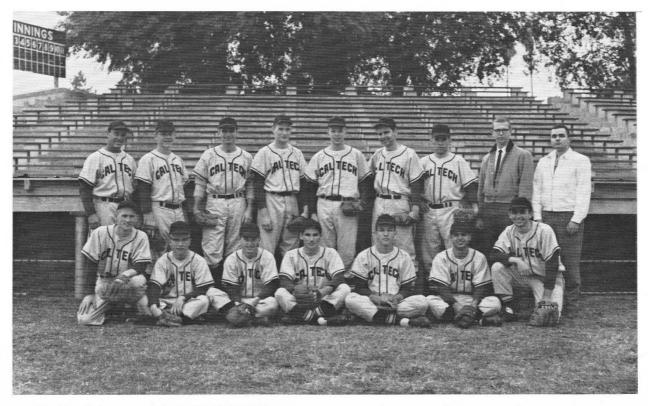


Home Run!

SCORES

2-23Cal Poly
2-8, 12-5Claremont-Mudd
8-3San Fernando
6-8, 0-6 Claremont-Mudd
2-11Pasadena Naz
1-10
7-10Riverside
5-4 Miramar
5-14, 11-19 Cal Western
10-3, 1-5Pomona
7-11, 8-7San Diego
7-8Whittier
4-12, 2-5Whittier
2-11
4-5, 5-1 Pomona
9-8San Fernando
4-7Redlands
5-6Oxy
5-10, 0-5 Redlands
4-5Oxy
7-4, 0-6 Cal Poly
3-4 Pasadena Naz
6-8, 0-14Oxy

Baseball



Standing: E. Preisler—coach, B. Merrill, J. Walsh, H. Hartung, J. Stromberg, D. Parkhurst, M. Kaplan, N. Byrne - mgr., J. Champion - mgr. Seated: D. Blakemore, C. Velline, K. Pool, M. Holland, J. Stenbit, T. Grande, D. Kuli.



Though making a bad start, due to poor pre-season practice attendance, Tech appeared to have a very good chance for a winning year. A heavy schedule of sixteen league and nineteen practice games was planned. Although several members of last year's first string were missing from the roster, a wave of soph talent has raised the Team's potential.

Up from the frosh team were Skip Stenbit, Buzz Merrill, Karl Poole, Tom Gordon, Chris Valline, and John Stromberg. Stenbit and Merrill added much-needed punch in batting: Stenbit and Poole strengthened the infield, at first and short respectively; Merrill, Gordon, Valline, and Stromberg filled out the weakened outfield.

Tech's pitching staff should give the opposition lots of trouble, though moderate depth may hurt, with nine double headers scheduled. Marty Kaplan, who pitched his first season last year, has really become a fine chucker. John Price, another one-year veteran has developed fine accuracy and control, matching his tremendous fast ball with a good

curve. Bob Golden developed into a reliable third pitcher.

John Walsh again headed the list of Tech's hitters. Having led the conference in hitting last year he returned to add his second title. Merrill also showed a wicked bat, coming in a strong second. Other returning lettermen were infielders Dennis Kuli, Dave Blakemore, Herm Hartung, Dave Teal, and Mel Holland. Men who weren't out last year, but who helped a lot, are Dale Parkhurst, Les Hirst, Bob Golden, Dave Bailey, and Tony Grande, an Oxy 3-2er. Bailey and Kuli received injuries early in the season. Blakemore did the catching, aided by Golden; Stenbit played first; Hartung and Kuli at second; Poole and Grande at short; Teal, Hirst, and Holland at third. The outfield was the most impressive for its speed and hitting. The positions were as follows: left field, Merrill; center, Walsh; right, Gordon, Parkhurst, Valline, or Holland.

Last year Tech's team of Nelson "Charlie Brown" Byrne and DeWitt "Linus" Landis was the best in years. Fortunately they handled things again this year.



Standing: H. Kurtz, F. Weingarten, G. Marshall, J. Blockage, D. Nisewanger, B. Williams, J. Peterson - coach. Seated: B. Palke, J. Russ, J. Prince, J. Arndt, F. Ridolphi, B. Straka.

Frosh Baseball

This year's Beaverbabe baseball team possessed good potential for future varsity teams. Its biggest weakness was the traditional lack of depth.

The team was strong in the infield with Hal Kurtz and Gar Marshall holding down the catching job, Don Nieswanger doing a fine job at first, and Julie Prince looking promising at the keystone sack. On the left side of the infield John Arndt, Bill Palke, and John Russ all looked good. Patrolling the outfield were Joe Bocklage, Bob Williams and Rick Weingarten.

The pitching chore alternated between the strong right arms of Palke and Arndt. The freshmen who have looked best at the plate are Nieswanger, Kurtz, Palke and Arndt. Dispite the lack of wins, the team showed promise and enthusiasm.

SCORES

0-7LA Pacific
4-11Pomona
7-16
1-6
2-16Pomona
7-15
0-7
7-9Redlands
5-12Oxy
1-12Whittier
3-21Oxy

Frosh

Track

This year's frosh track team has shown a good deal of individual strength, coupled however with a lack of over-all depth. It fared better than the varsity however, placing fourth in the Conference Relays, third in a four-way meet with Chapman, Cal Poly, Tech Varsity, and fourth in the Conference Finals. The top men in the sprints were Jim Klett and Vince Hascall. Klett has a 10.1 hundred yard dash to his credit.

The distance men were led by Dick Tuft, Bob Juola, and Bill Hassenzahl. Early in the season Tuft ran a 2:005 880 and in the Conference Finals a frosh record of 1:57.5 but he has done 1:56 in high school In addition, Tuft has run a 51.5 quarter mile this season.

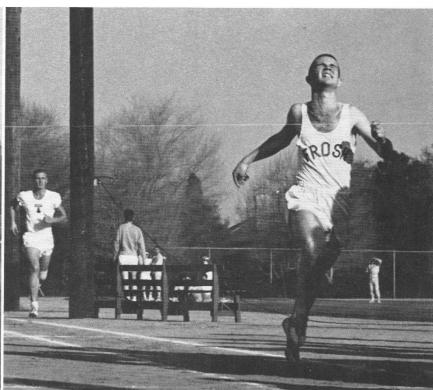
Dean Gerber and Carl Hamilton were leading discus throwers. Gerber also high jumped and threw the javelin. Ed Cline and Pete Rux pole vaulted, under the tutorship of grad student Jim Lloyd.



Standing: P. Rux, D. Gerber, E. Cline, F. Marshall, D. Grimes, B. La Brucherie. Seated: V. Hascall, R. Harris, R. Tuft, R. Juola, B. Ross, B. Hassenzahl, J. Klett.

4thFrosh Conference Relays
3rd4 way meet with Cal Poly,
Tech, Chapman
3rd3 way meet with Claremont-
Mudd, Tech
1st Whittier Frosh
31-98 Redlands Frosh
71-60 Pomona Frosh
4thFrosh Conference Meet





Up and over

Tuft Wins Again







They're off!

Laderman goes over

Distance runner Paull

Track



Forbess wins a close one



Teamwork

With the season getting under way, Coach Bert LaBrucherie's varsity track team showed a considerable lack of depth in many of the events, which became more evident when the team met some of the other teams in the conference dual meets. However, good individual performances in the early part of the season by John Weaver in the pole vault, going over 12 feet 6 inches in the first meet; Ron Forbess in the 220, who ran a 21.2 sec. anchor leg in the half mile relay in the AAU Relays; Tom Keil, Tony Leonard and Forbess, all turning in good times in the mile relay; and Leonard in the half mile, running a good time in the meet with Cal Poly and Chapman, indicated that the team might wind up the season in better than the fifth place spot they got in the SCIAC Relays.

Top men in the sprints were John Weaver, Hugh Kieffer, Ron Forbess, and Tom Keil, running as a team in the quarter mile relay. In the quarter mile Forbess, Keil, and Tony Leonard turned in the best times with Lee Hood and Steve Ahrens completing the mile relay team. The hurdles were run by John Price, when a baseball game did not conflict with the meets and Fred Newman with Ahrens helping out when he did not run in the mile relay. Despite a knee injury in the early season Leonard was running close to his school record in the half mile. The distance runners were led by Dennis Paull, who came out for the first time last year and, since then, has improved his times during cross country season and in the season this year. Additional help in the distance races was supplied by Dave Gregorich, and Ben Burke who gathered additional points for the team.

In the field events Sophomore John Weaver led the varsity in the pole vault with Al Laderman showing considerable improvement in that event, while Fred Newman helped gather points in the high jump. The weightmen on the team were Russ Pitzer, Doug Stewart, and Larry Sloss in the shot put; Lannes Purnell, Mike Engleberg, Lanny Lewyn, Eid Leibovich, and Hugh Kieffer in the javelin; and Stewart, Leibovich, and Pitzer in the discus.

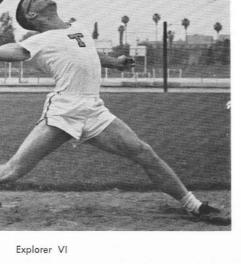
Ahrens, Forbess, Leonard, Lewyn, Paull, Pitzer, and Price were all seniors, and their loss will be felt on the team next year, but Coach LaBrucherie expects such freshmen as Dick Tuft, Bob Juola, Jim Klett, and Vince Hascall, to fill the vacant spots left by the graduating seniors.



Standing: L. Sloss, S. Ahrens, B. Burke, D. Stewart, T. Keil, B. La Brucherie - coach. Seated: J. Weaver, S. Leibovich, A. Laderman, R. Pitzer, R. Forbess, T. Leonard, F. Newman.

5th SCIAC Relays
2nd Cal Poly, Tech
Frosh, Chapman
AAU Relays
62½-75½ Claremont
Mudd
53-77 Whittier
17-113 Redlands
42-89 Pomona
5thConference Finals
Fresno Relays





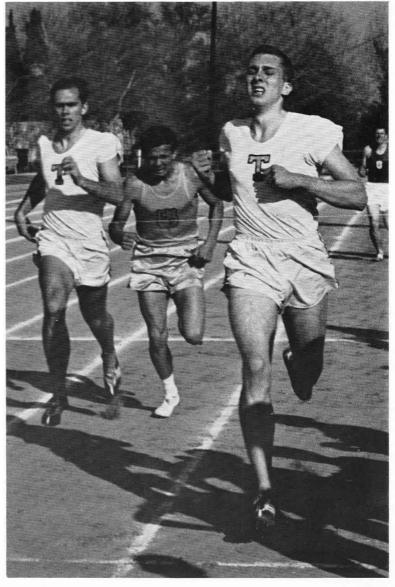
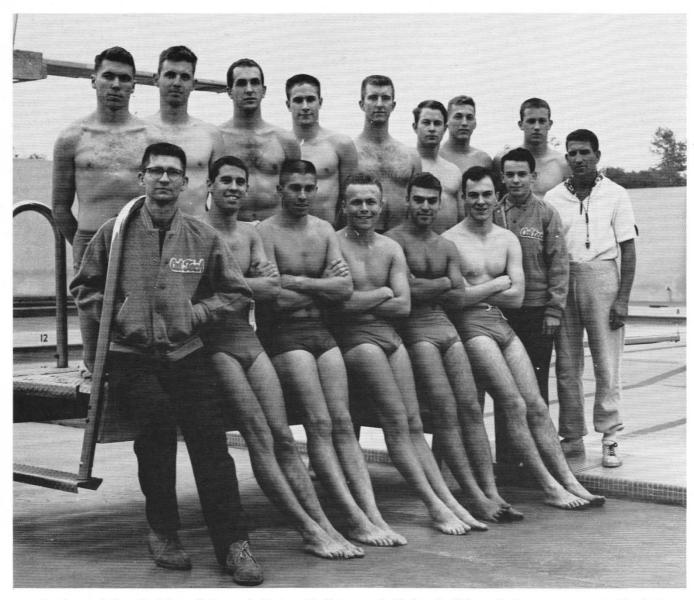


Photo finish

Swimming



Standing: J. Erskine, D. McLane, K. Brown, D. Dunham, M. McLennan, G. Hughes, G. Tibbetts, G. Zimmerman - mgr., R. Bland, W. Emery - coach. Seated: D. Kipping - mgr., D. Owings, T. Tisch, J. Wilhelmy, C. Maltz, H. McCurda.

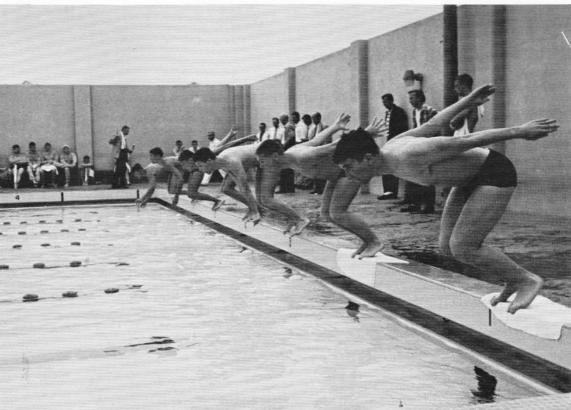
The varsity swimming team completed an exceptional season by taking first place in the conference finals. Taking firsts were the 400 medley relay team, Bland, Blandford, Owings and Mclane setting a conference record of 4:17,8, and Tibbetts in the 440 and 220 yard breast stroke. Brown in the 200 butterfly and Blandford in the 100 yard free-style also won.

Earlier this year Tech captured first place in the conference relays and recorded a 7-3 dual meet record. In the Oxy meet, Keith Brown set a new conference record of 2:27.0 in the 220 butterfly and tied his own school record for the 50 yard freestyle. In the Southern Pacific AAU meet our boys placed third, with Don Owings setting a new 220 yard breast stroke record of 2:47.6 and Tibbetts setting a school record of 4:57.4 in the 440 freestyle.

The team, like the conference this year, was well balanced with good strength in all events backed up by depth almost everywhere. Coach Web Emery's intensive training, starting with poolside calesthentics and working toward concerted pace work built up a bunch of hard working men into a strong team.

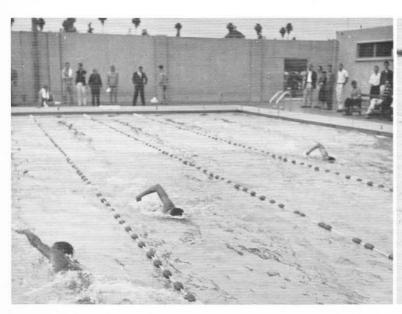
Broken down into individuals the team specialized as follows: in the short free style events and relays Blandford, Brown, Rony and Tisch were the main strength while in the distance events excellent performances were recorded for Tibbetts and Tucker. Backing up the free style men were McLane and Heath. The team looked very strong in the breast and butterfly with Owings, Mayer and Seltzer, while the backstroke strength was split between Bland, Wilhelmy, and Dunham. The divers this year, Rony and McLennan, helped garner points for the team and looked good for the conference diving. Although the seniors will be greatly missed, the combination of depth and an outstanding frosh team promises to make next season equally successful.





SCORES

44-40 Mount San Antonio
63-22San Fernando State
39-47 Long Beach State
1st Conference Relays
23-52 Arizona
49-37 Whittier
60-26 Redlands
32-54 Claremont-Mudd
55-31 Pomona
59-26 Occidental
1st Conference Finals





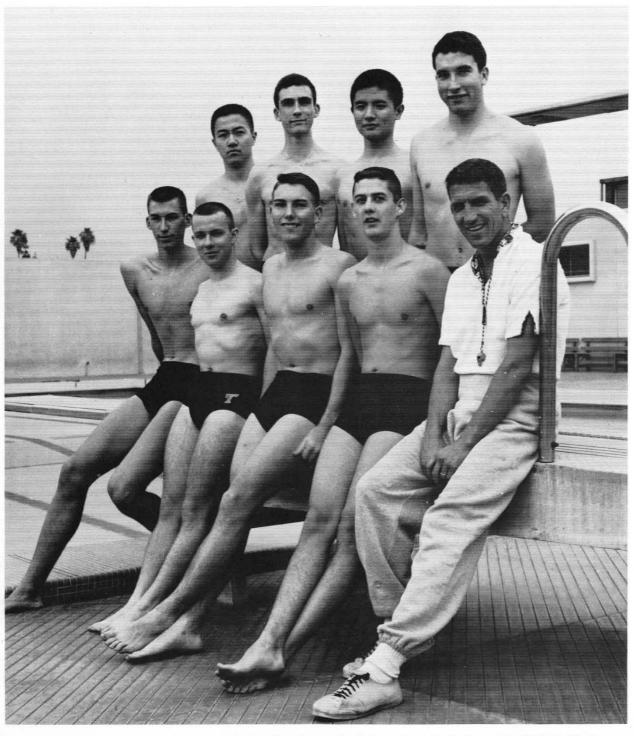
Way out front

Yawn—winning made to look easy

Frosh Swimming

After narrowly losing their first meet of the season, 44-41, to U.C.L.A., the frosh swimming team came back strongly in the Redlands Conference Relays to tie Redlands for first place. Taking first in three of the five events and setting new frosh conference records in the medley and breast stroke-butterfly relays, the team really looked good. To climax a winning season in which they won four of six dual meets, the frosh placed first in the Conference Finals. Buck was the only double winner, winning the 200 yard butterfly and breast stroke, while Turner in the back stroke and the free-style and medley relay teams also won. Swimming their

specialties were Marshall Buck, breast stroke and butterfly: Gary Turner, back stroke and freestyle; Tom Sallee, Freestyle; Bill Howard, butterfly; Gary Mitchell, freestyle and butterfly; Bill Hogan, breast stroke and freestyle; Bell Cantrell, freestyle; Tim Lytle, freestyle. Since there was no freshman diving competition, Bill Weihofen, our frosh diver, was unable to show his skills. Although lacking in quantity, the team makes up the difference with quality in back stroke, breast stroke, butterfly, and, naturally, medley work. Coach Web Emery goes on record as calling this years' frosh team the best since 1955.



Standing: D. Chang, B. Weihofen, J. Yoh, B. Sallee. Seated: M. Buck, B. Howard, B. Hogan, G. Mitchell, W. Emery coach. Not shown: G. Turner, B. Russel.



W. Shanks, J. Sorenson, J. Seigel, J. Bard.

Golf

This years golf team was led by Jerry Seigel who was consistently shooting in the seventies and a challenger for medalist honors. Playing better against non-league foes, the team compiled near .500 season. Returnees Jim Sorenson and John Bard combined with Gary Ihler, Al Fonata,

Mike Levine and Wes Shanks to give Tech good depth. Since there will be no seniors graduating this year, it is very probable that with experience and frosh help, the next years team will be improved.

Sailing Club

Forned in 1952, and based at the Los Angeles Yacht Club, the Caltech Sailing Club at this time has the only complete regatta fleet in Southern California. Including six degatta dingeys, and one racing sloop, the fleet is provided to sailing club members for three main purposes.

First, to teach non-sailing members how to sail. At the beginning of each term, a dry-land class of instruction, provided by the club, is offered to new members so that they may be familiarized with sailing techniques and nautical terms. After this, the sailors are initiated into yachting circles at the Los Angeles Yacht Club and taught to sail. Most members learn very quickly, and in no time at all are taking

boats out by themselves.

Second, the Regatta Fleet is kept in top condition for the many intercollegiate Yacht Racing Association of which the Caltech Sailing Club is one of the oldest members.

And third, but certainly not the lessor of the three, the fleet is provided for the enjoyment of members and their dates, the dates being provided by the club in some instances. Membership dues are nominal compared to the amount of enjoyment and relaxation realized. Sailing parties for members and their dates are held at the Los Angeles Yacht Club House where eating, dancing and sailing are combined to make a wonderful evening.

Tennis

2-7.															Pomono
4-5.															. Whittier
0-9.			,												. Arizono
0-9.	,														Redlands
1-8.															Oxy
1-8.															. Pomono
0-9.															Redlands
4-5															Whittie

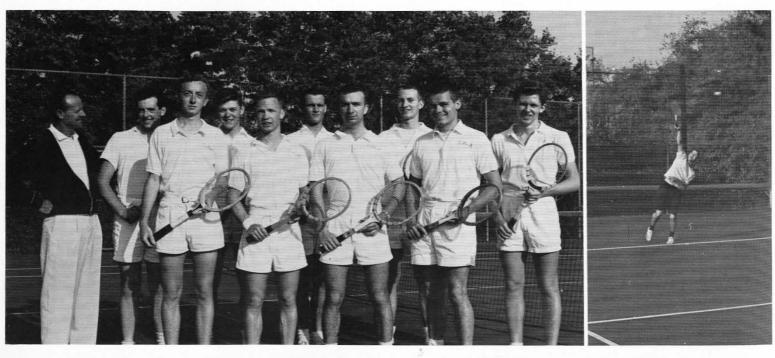


Coach John Lamb

Graduating seniors traditionally rob teams of their best players, and tennis team was greatly crippled by this tradition. Four of last years six man team no longer played for us, and the Frosh team had little to replace them. For these reasons Coach Lamb was never optomistic about saying out of the League cellar, into which we fell last year. He has much better hopes for next year, however.

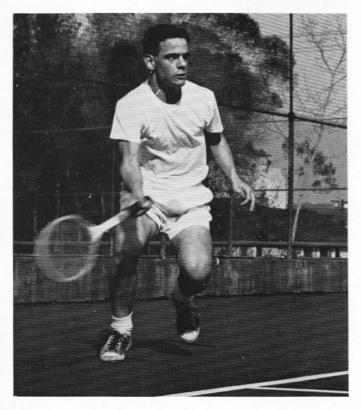
Although we will lose our best man, Frank Cormia, we will get two promising players, Hess and Jones from a frosh team which has compiled an encouraging record. In addition, Coach Lamb is breaking the lower half of the present 9 man squad into single and doubles specialists.

Moreover, if Carl Morris and Dave Butterfield keep improving at their present rate, Tech will have good high men as well as excellent depth.



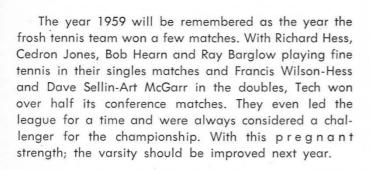
J. Lamb—Coach, S. Hechler, J. Lohman, D. Butterfield, C. Morris, C. Antoniak, N. Sheeley, F. Cormia.

Cormia serves



"Grrr", said Wilson







Cormia at work

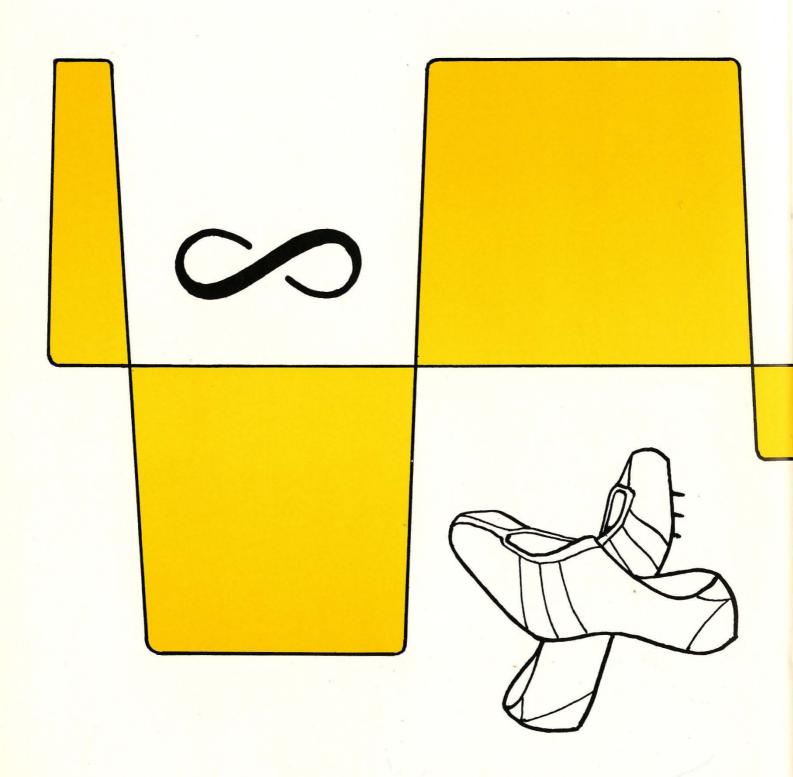
SCORES

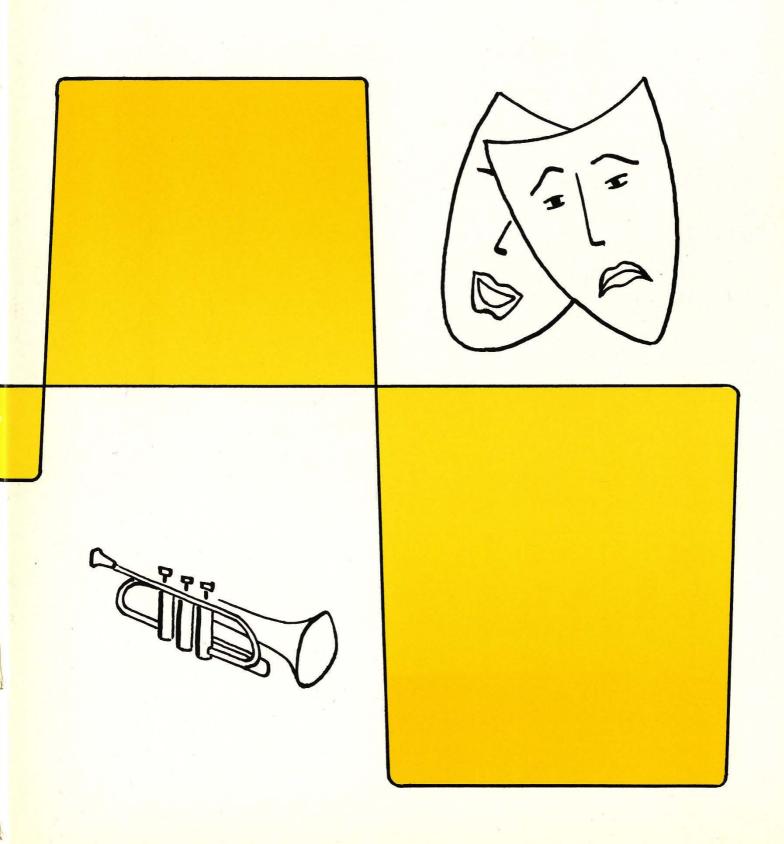
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6-3.																				Pon	nona
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5-4.																				Pon	nona
0-9.																				Redl	ands
7-2.																				Wh	ittier



J. Lamb—Coach, M. Genud, C. Jones, R. Barglow, D. Sellin, R. Hearn, R. Hess, F. Wilson, R. Weinshilbaum, A. McGarr.

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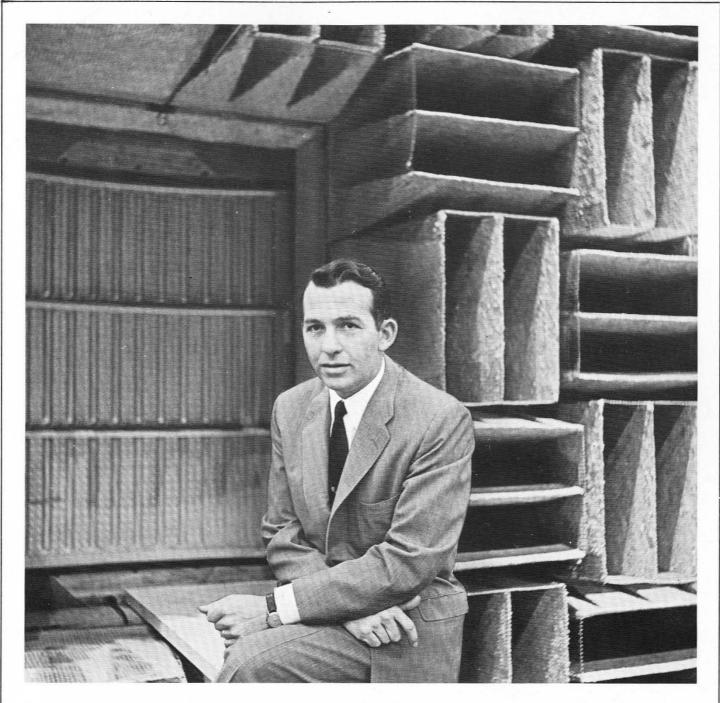
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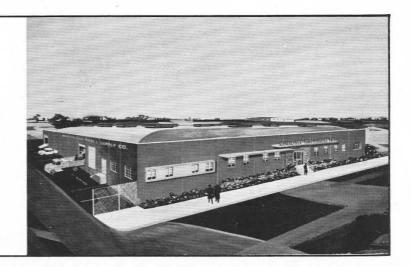
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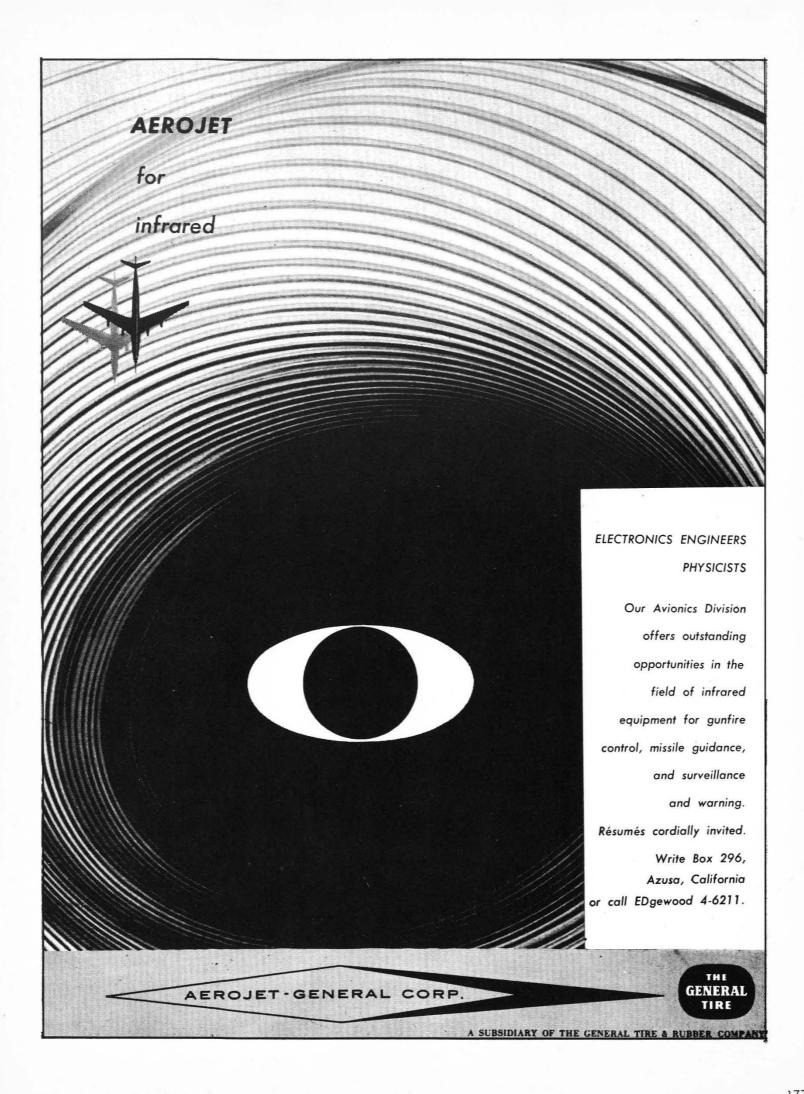
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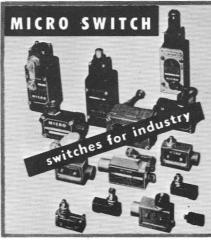
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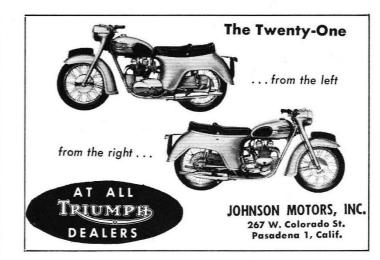
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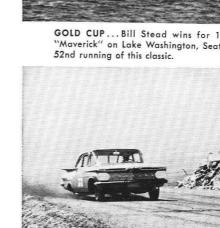
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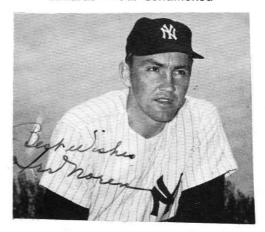
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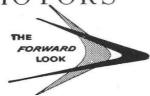
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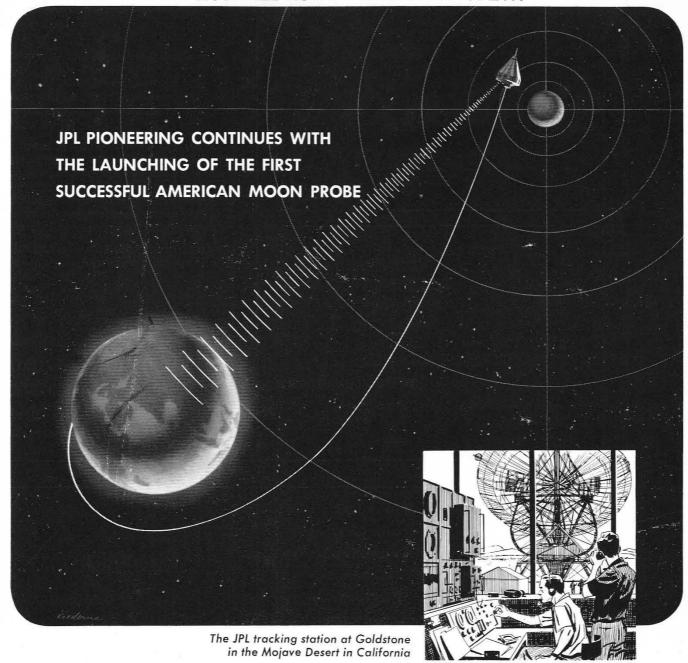
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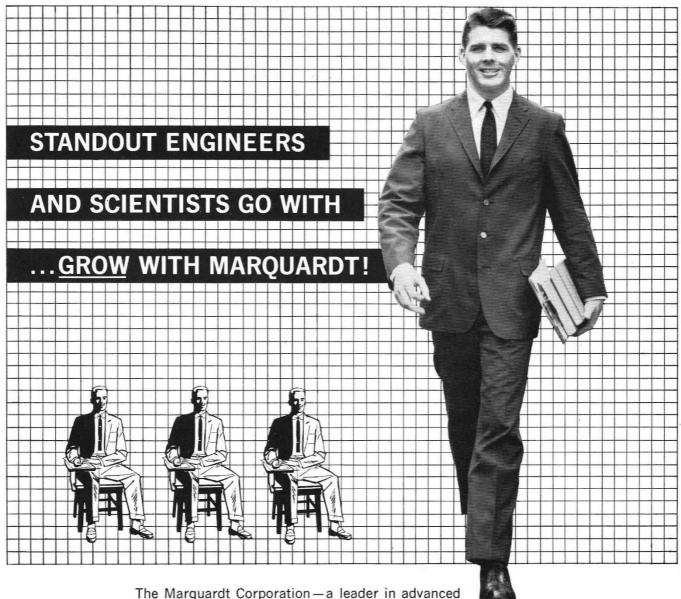
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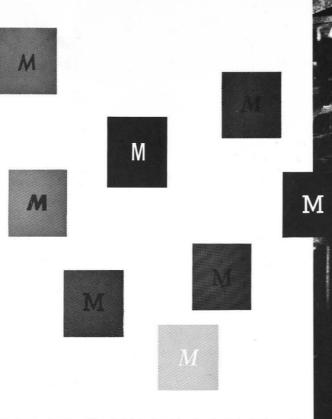
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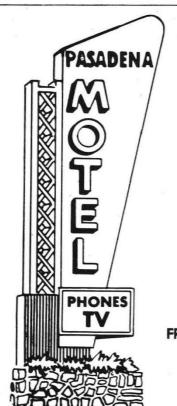
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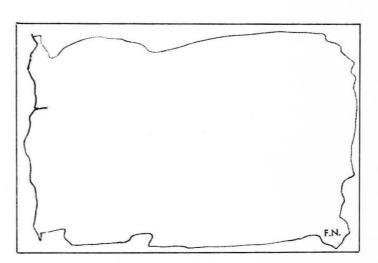
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Acknowledgements

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