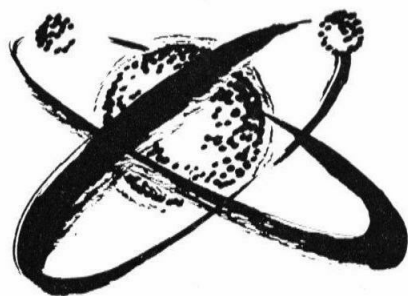


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BIG T

1954



FOREWORD

This book cannot possibly be a complete record of all the events at Caltech this last year. But it can be a pictorial record of some of the more outstanding events which we will want to remember. The purpose of this **Big T** is to catch those moments and record them permanently.

STAFF

EDITOR-IN-CHIEF	- - - - -	Rodney Supple
PHOTOGRAPHY EDITOR	- - - - -	Micheal Boughton
ACTIVITIES EDITOR	- - - - -	Ronald Ratney
ART EDITOR	- - - - -	David Workman
CLASSES EDITOR	- - - - -	Francesco Beuf
HOUSES EDITOR	- - - - -	Van Bluemel
SPORTS EDITOR	- - - - -	Ray Grieser
BUSINESS MANAGER	- - - - -	George McDonald

Sports staff: Bill Chambers, Paul Farley, Ernie Ophuls, Don Turcotte

Classes staff: Fred Anson, Jerry Dudek, Jim Crosby, Walt Haenggi, Curt Michel, Art Miller, Bruce Munn, Bill Purves

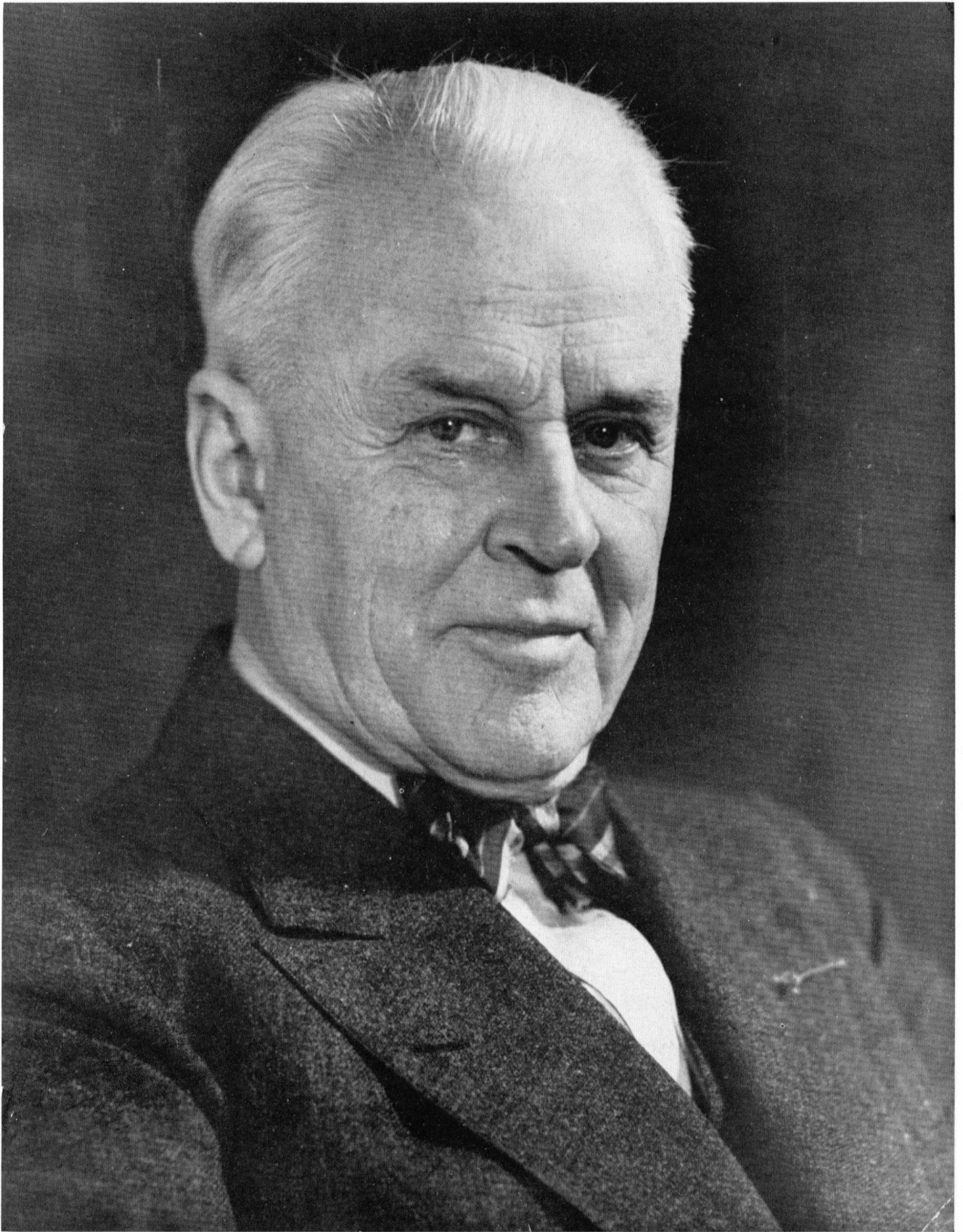
Houses staff: Phil Conley, Hal Dessau, Horace Furumoto, Warren Furumoto, Jim Koontz, Bill Peterson, Jim Snyder, Gerald Vurek

Photography staff: Charles Anderson, Rafn Stefansson, Luis Soux, Tom Taussig

Business staff: Bill Davis, Earl Evleth, Paul Farley, Martin Vogel, Newman Wade

Credits for this yearbook should go not only to those men named above but also to the many others who helped in various ways to make all the pictures and departments possible. Besides the editors named above, credit is due to Frank Flanagan of the Juanita Studio for the individual pictures, Roy Day of the P-B Press, George Peterson of Peterson Engraving, and Ed Hutchings, Editor of **Engineering and Science**, for their cooperation in helping to prepare and print this annual. Cover design and division pages by David Workman.



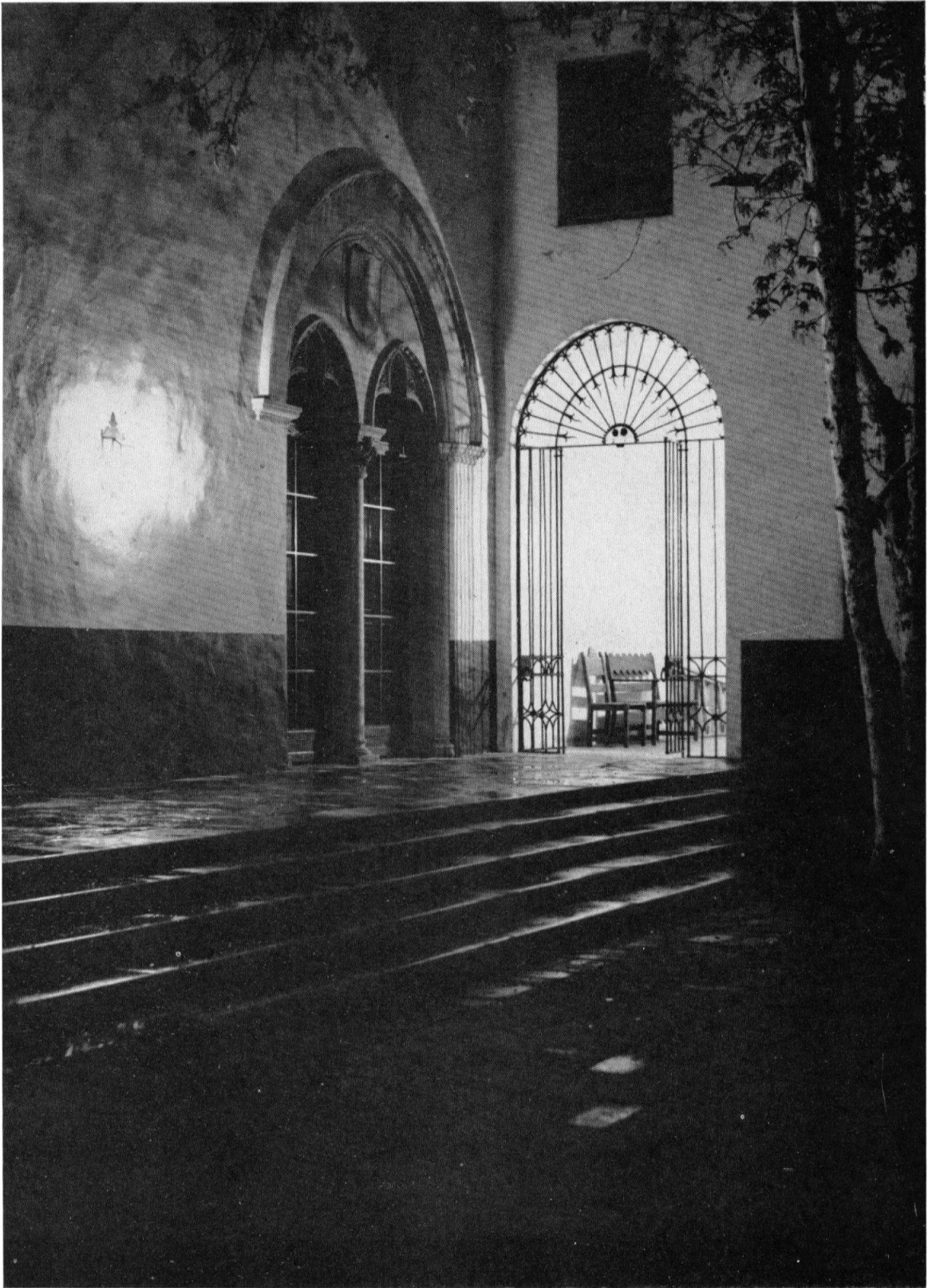


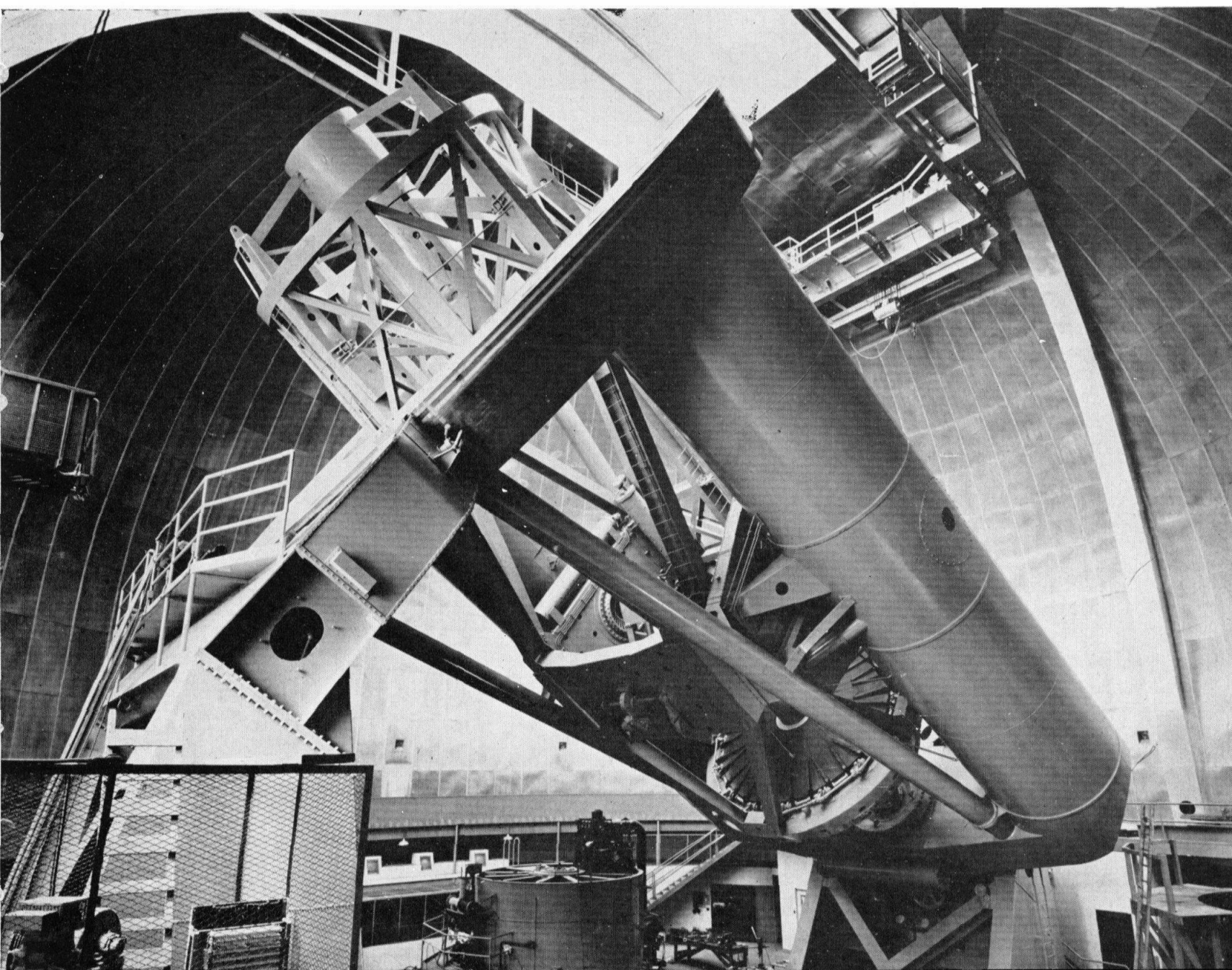
IN MEMORIAM

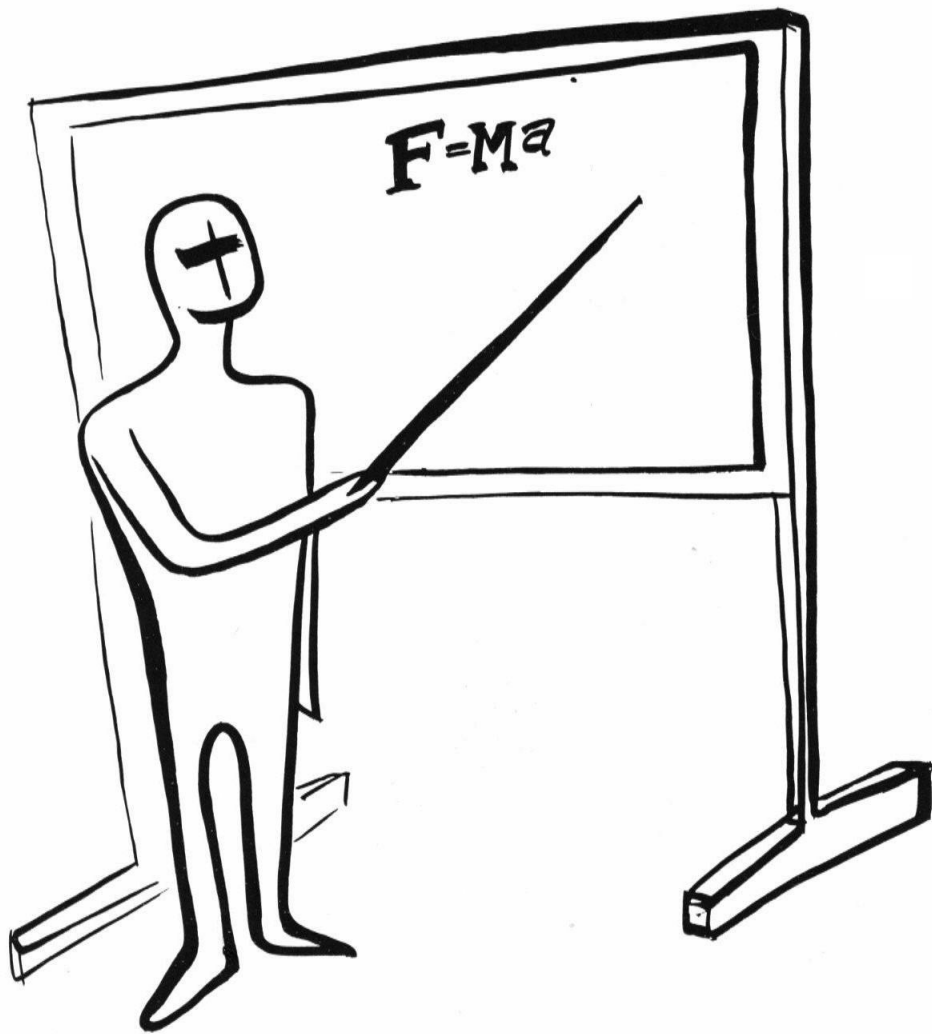
ROBERT A. MILLIKAN











FACULTY



Lee A. DuBridge
President

DEANS



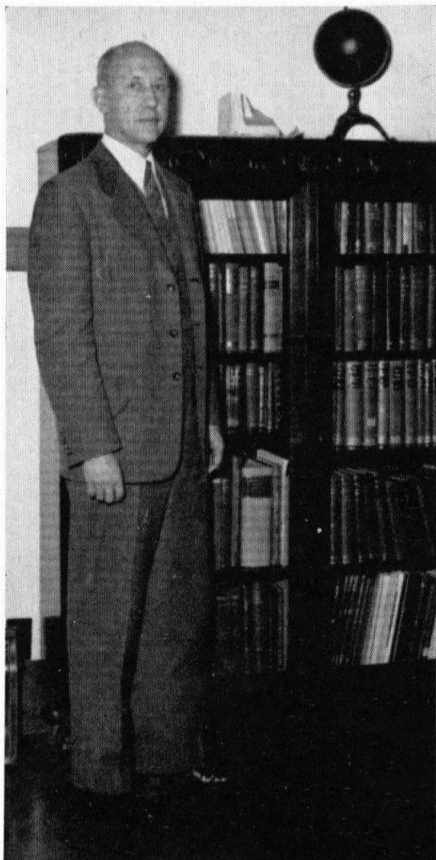
Foster Strong
Dean of Freshmen



L. Winchester Jones
Dean of Admissions



Paul C. Eaton
Dean of Students



William Lacey
Dean of Graduate Studies

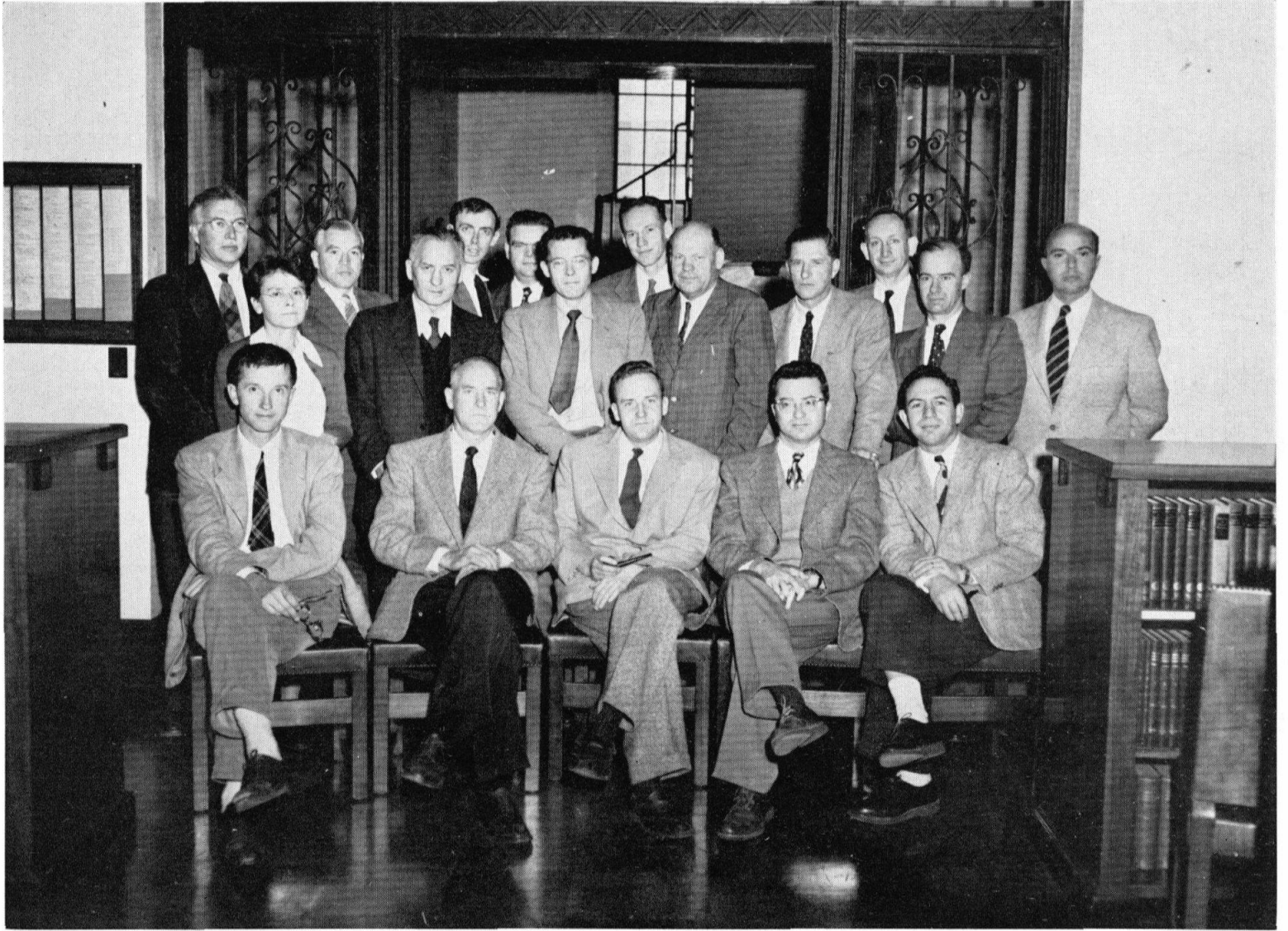


Ernest C. Watson
Dean of Faculty



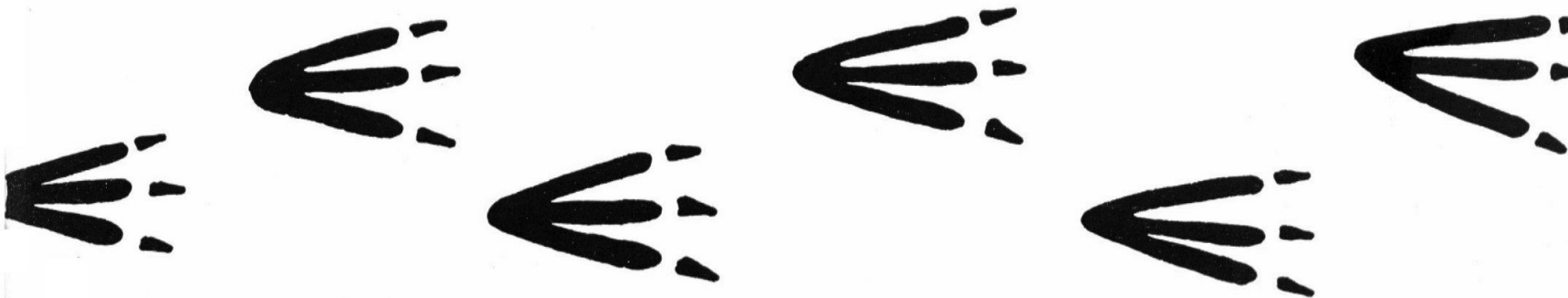
STUDENT-FACULTY RELATIONS COMMITTEE

The Student-Faculty Relations Committee is the group which acts as a buffer between the students and the faculty. It is often the place where students' suggestions receive their first formal recognition, and where the difficulties, if any, are aired with both the students and the faculty presenting their respective sides of any questions. Attendance at the committee meetings, which occur once a month, increases noticeably around election time. Official student members include ASCIT officers, Board of Control representatives, editors of the student publications, and student house and class presidents, although all students are invited to attend and contribute to the discussions. The group is lead by Harvey Eagleson, and Wes Hershey acts as secretary.

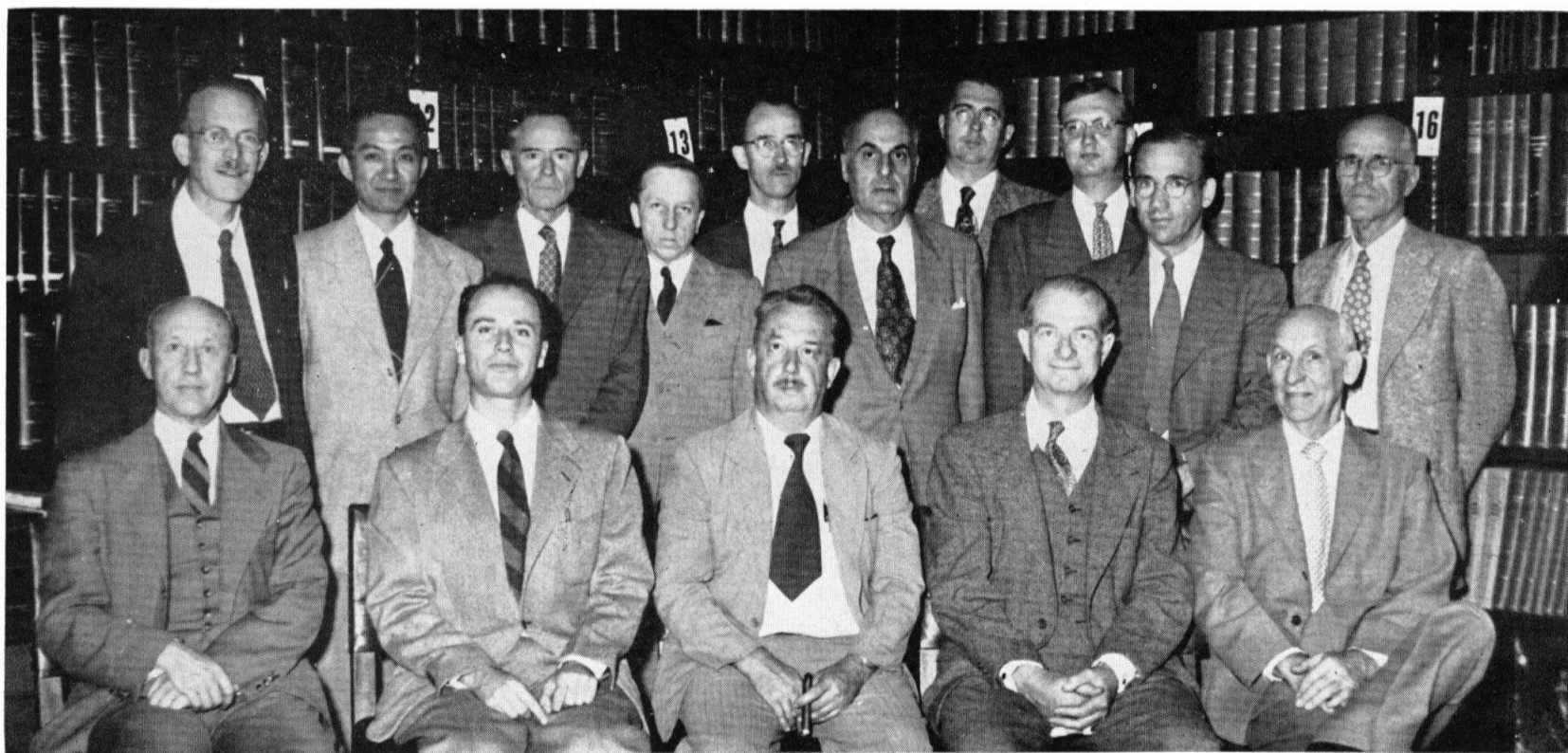


Biology Department Faculty: Back row: S. Emerson, McClintoch, F. W. Went, H. Borsook, J. D. Watson, H. Klostergaard, J. F. Bonner, H. K. Mitchell, E. G. Anderson, A. J. Haagen-Smit, A. Tyler, G. L. Keighley, R. Dulbecco. Front row: M. Delbruck, G. W. Beadle, R. D. Owen, N. H. Horowitz, A. W. Galston.

BIOLOGY



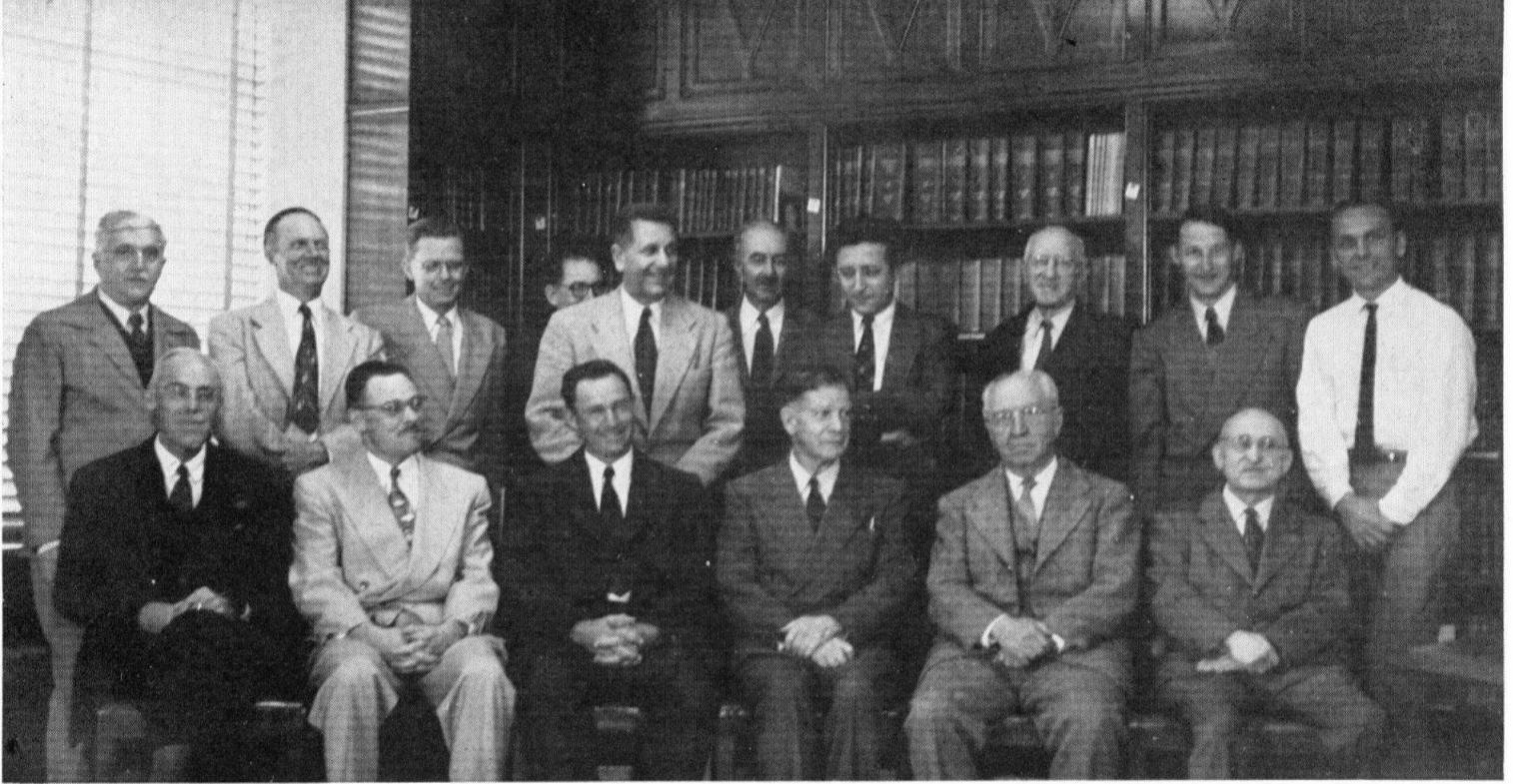
CHEMISTRY



Chemistry Department Faculty: Back row: R. M. Badger, H. Itano, O. R. Wulf, J. H. Sturtevant, R. B. Corey, L. Zechmeister, W. Corcoran, W. A. Schroeder, E. Hughes, E. H. Swift. Front row: W. Lacey, N. Davidson, D. H. Campbell, L. C. Pauling, H. J. Lucas.

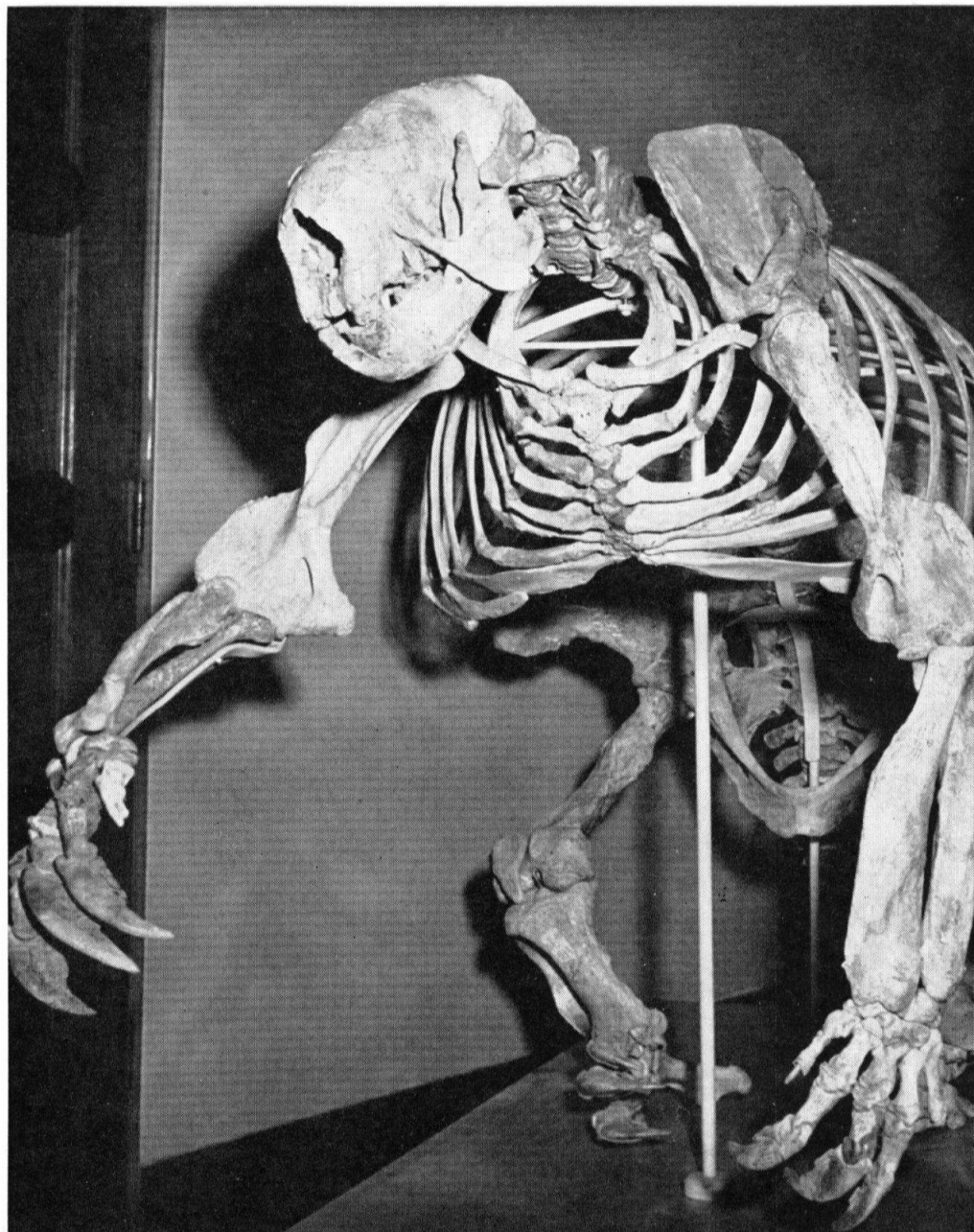
The chemistry department lures high school seniors into its folds on Students' Day.

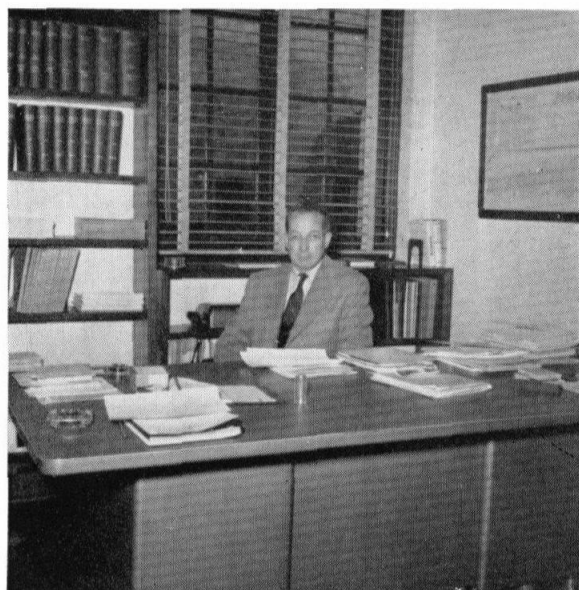




Geology Department Faculty: Back row: G. W. Potapenko, J. A. Noble, C. H. Dix, C. F. Richter, H. Benioff, I. Campbell, H. Brown, C. E. Weaver, L. C. Pray, A. E. J. Engel. Front row: J. P. Buwalda, R. H. Jahns, R. P. Sharp, F. F. Grout, D. F. Hewett, B. Gutenberg.

GEOLOGY





Robert F. Bacher
Division Chairman

PHYSICS

Physics Department Faculty: Back row: A. Goetz, R. Sherr, V. Z. Peterson, H. V. Neher, W. R. Smythe, R. B. Leighton, R. P. Feynman, R. F. Christy, C. D. Anderson, J. W. DuMond, T. Lauritsen, W. Whaling, E. W. Cowan. Front row: W. A. Fowler, R. F. Bacher, R. L. Walker, C. C. Lauritsen.



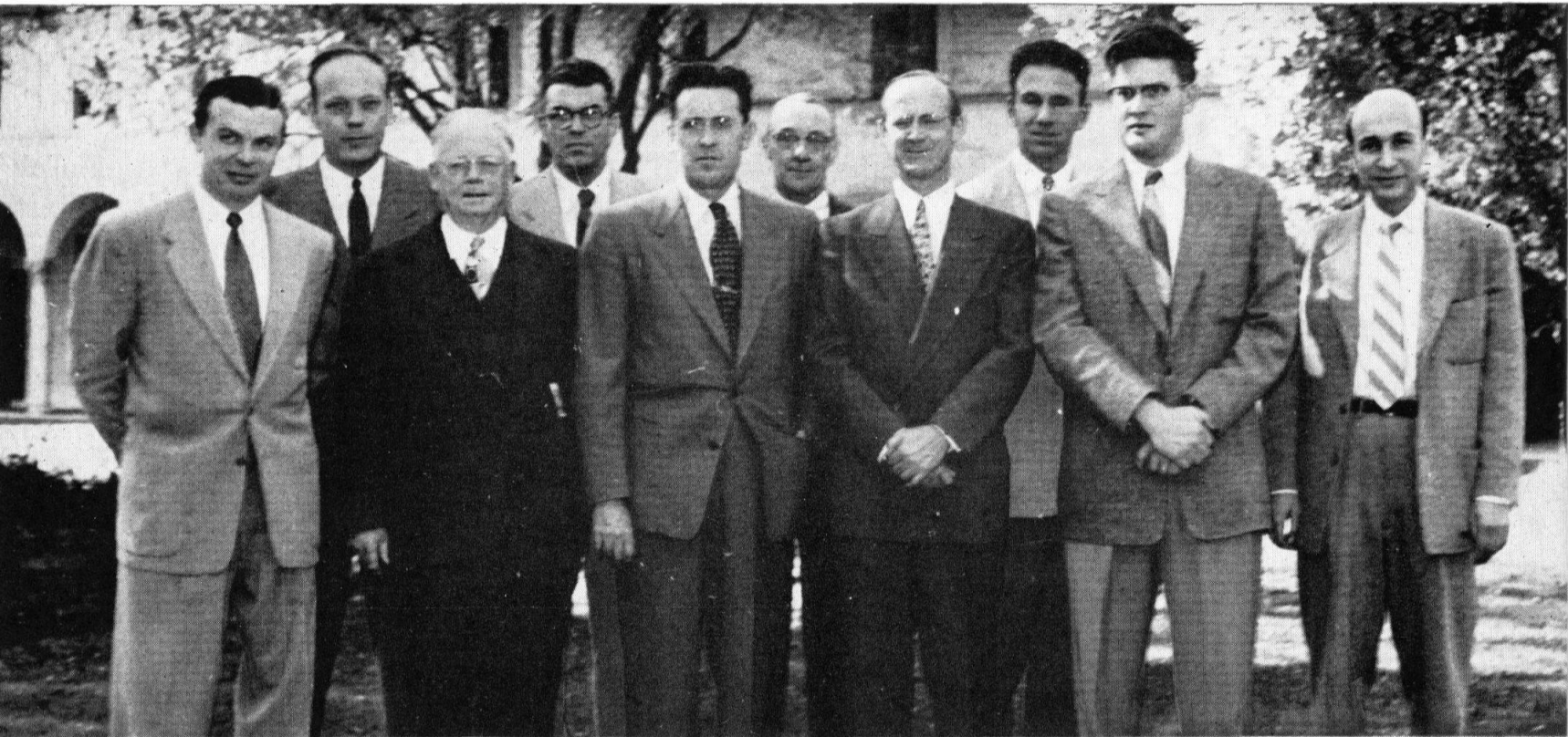


MATHEMATICS

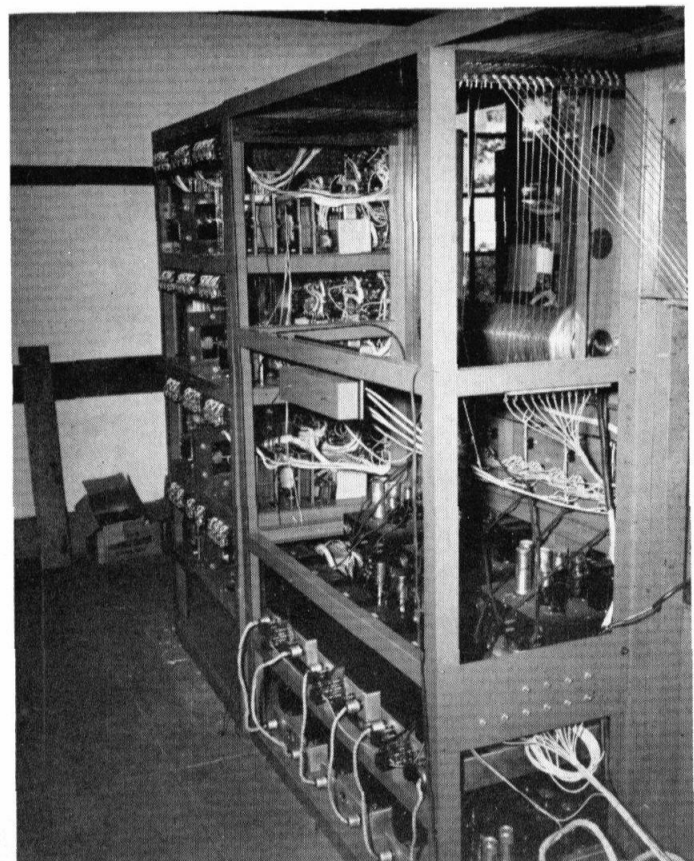
Mathematics Department Faculty: Back row: E. T. Bell, H. F. Bohnenblust, A. Erdelyi, F. B. Fuller, S. Karlin. Front row: T. M. Apostol, R. P. Dilworth, M. Ward, J. M. G. Fell.



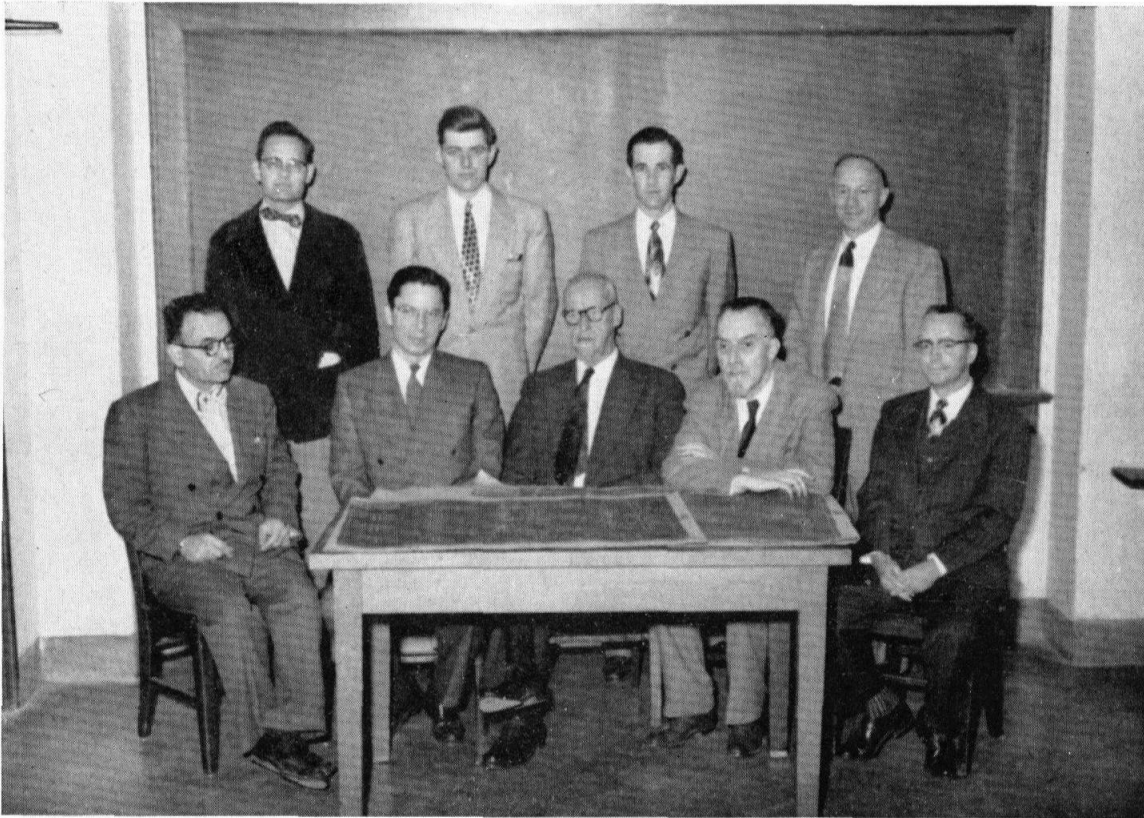
ELECTRICAL ENGINEERING



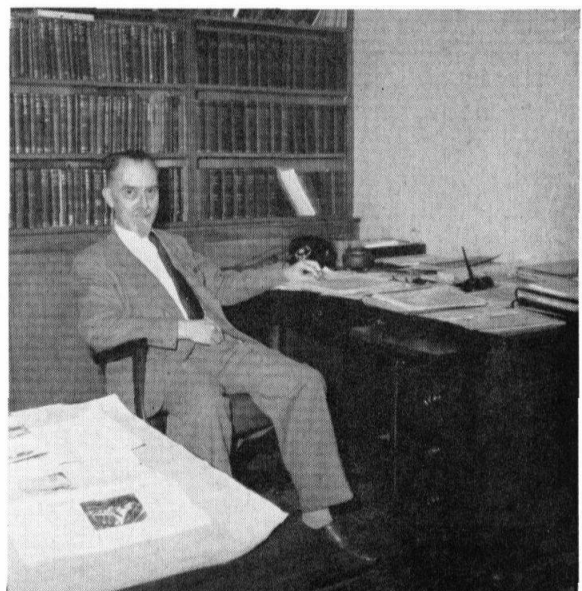
Electrical Engineering Department Faculty: Back row: J. N. Thurston, R. V. Langmuir, R. W. Maxstadt, C. N. Wilts. Front row: L. M. Field, R. Sorenson, G. D. McCann, W. H. Pickering, R. H. MacNeal, C. H. Pappos.



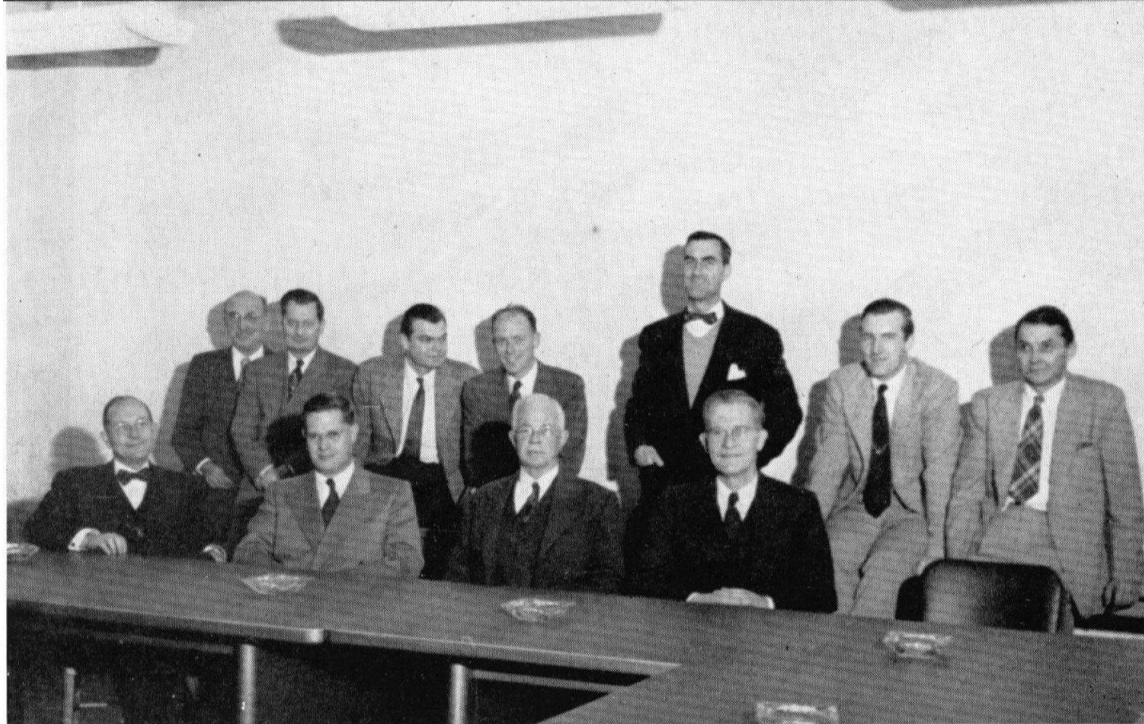
CIVIL ENGINEERING



Civil Engineering Department Faculty: Back row: A. C. Ingersoll, N. H. Brooks, C. W. McCormick, F. J. Converse. Front row: V. A. Vanoni, G. W. Housner, W. W. Michael, R. R. Martel, J. E. McKee.



Dr. Romeo R. Martel
Professor of Structural Engineering

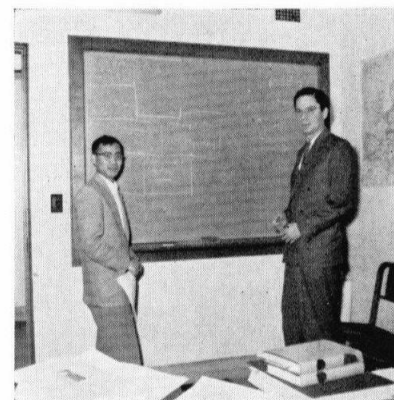


Mechanical Engineering Department Faculty: Back row: A. Hollander, F. S. Buffington, R. Sabersky, D. S. Wood, P. Kyropoulos, C. Marks, D. A. Morelli. Front row: D. S. Clark, D. E. Hudson, R. L. Daugherty, H. N. Tyson.

MECHANICAL ENGINEERING



Dr. R. L. Daugherty



Drs. Housner and Cheng think up some quiz problems.

APPLIED MECHANICS

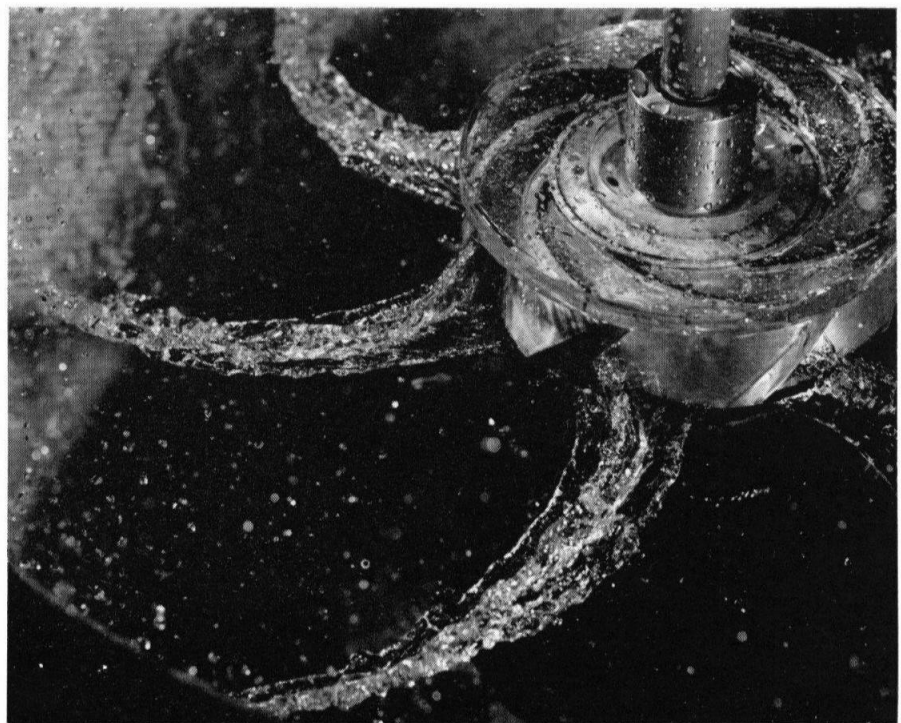
Applied Mechanics Department Faculty: M. S. Plesset, C. R. de Prima, H. Lurie, T. K. Caughey, G. W. Housner.

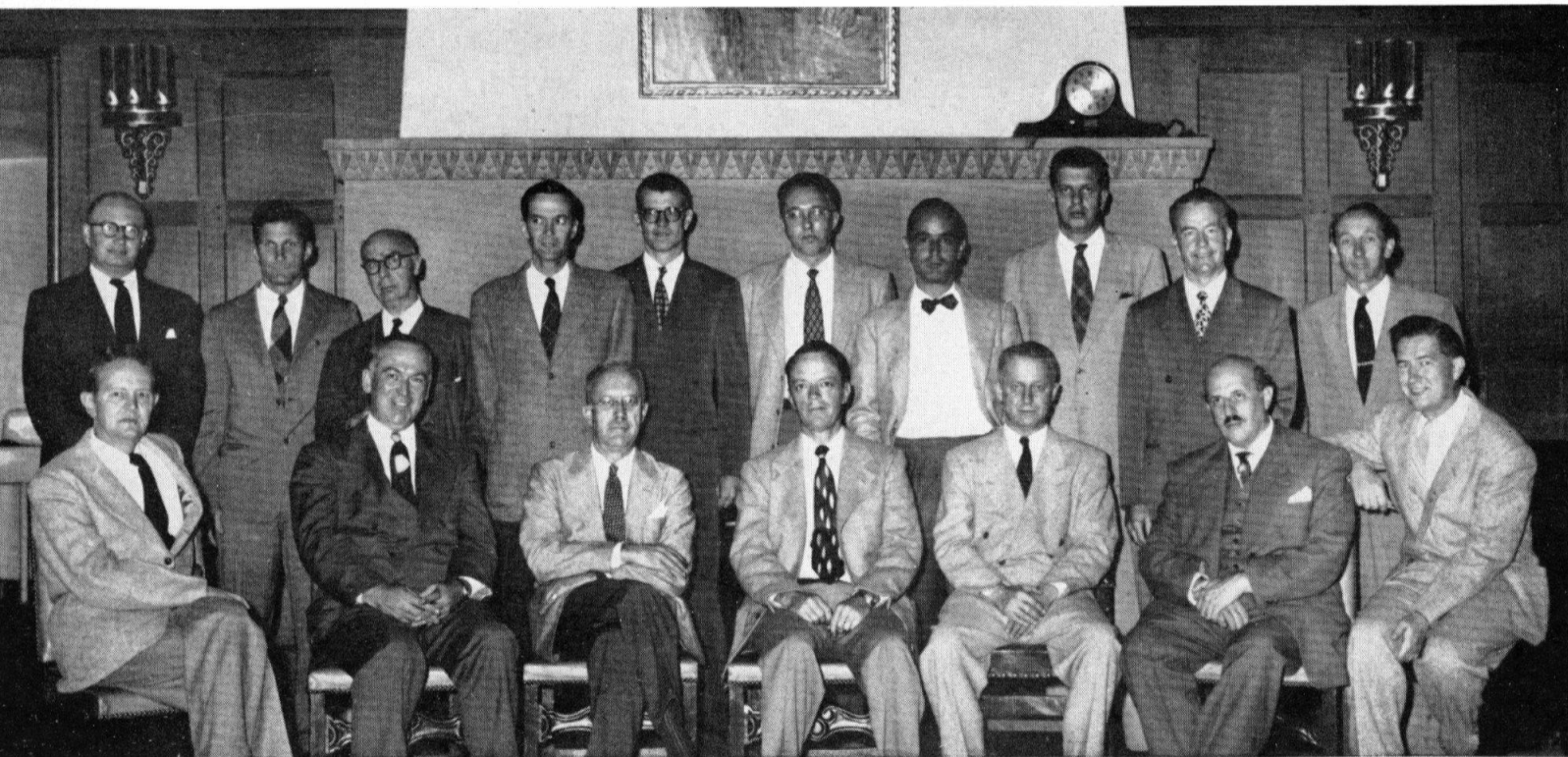




DRAFTING

Drafting Department Faculty: J. S. Campbell, D. Welch, H. Tyson, Dan Miller, N. W. Wilcox.



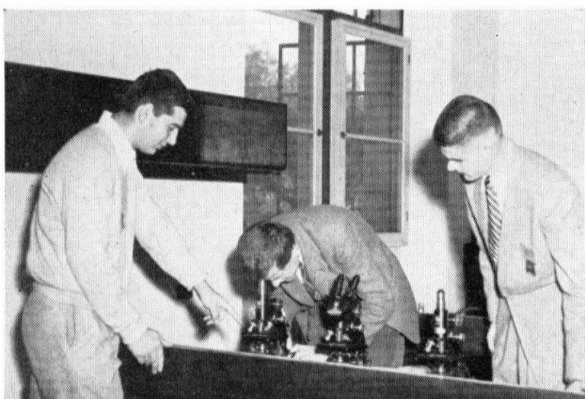
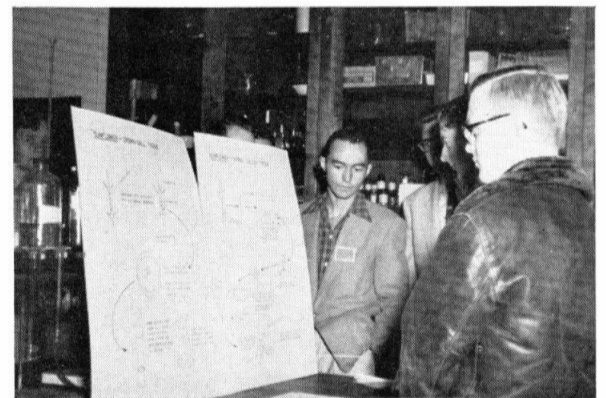
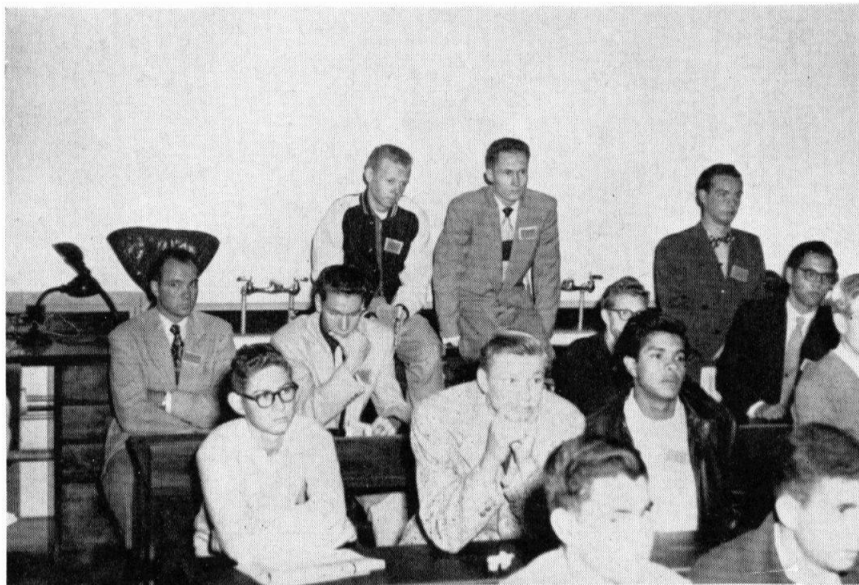


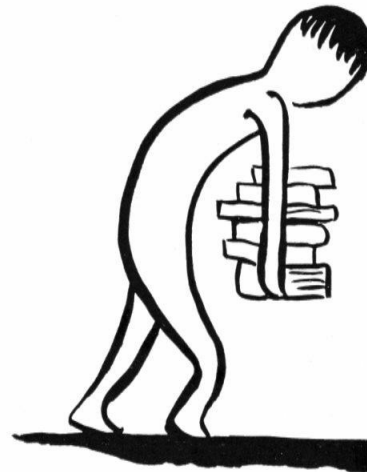
Humanities Department Faculty: Back row: H. D. Piper, A. Sweezy, G. R. MacMinn, R. Paul, J. K. Clark, R. D. Wayne, D. C. Elliott, B. Langston, L. McCrery, J. Weir. Front row: R. Stanton, R. D. Gray, W. Huse, H. Smith, P. Bowerman, A. Stern, H. Ellersieck.

HUMANITIES

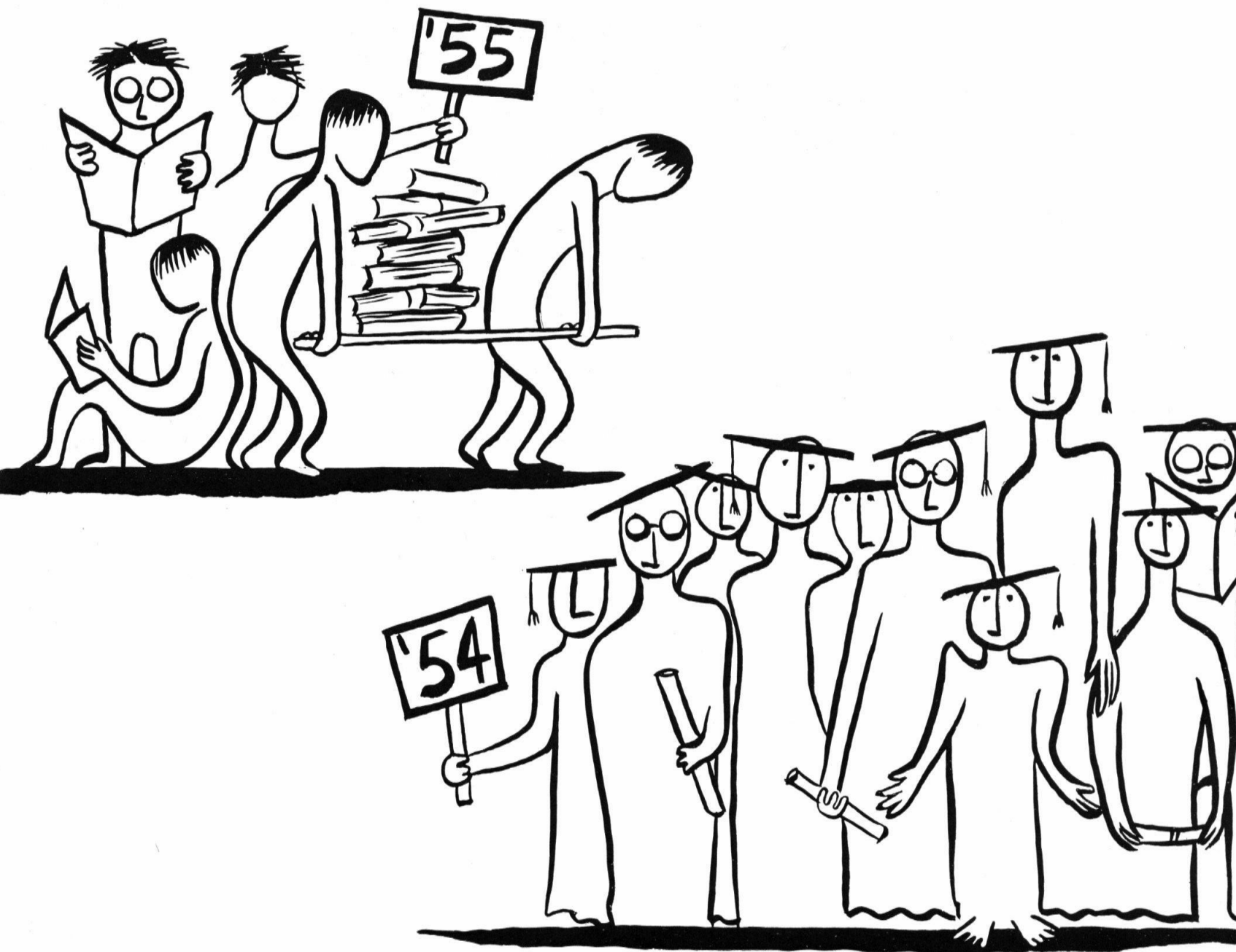


Some of the departments show off their wares to the visiting high school seniors.

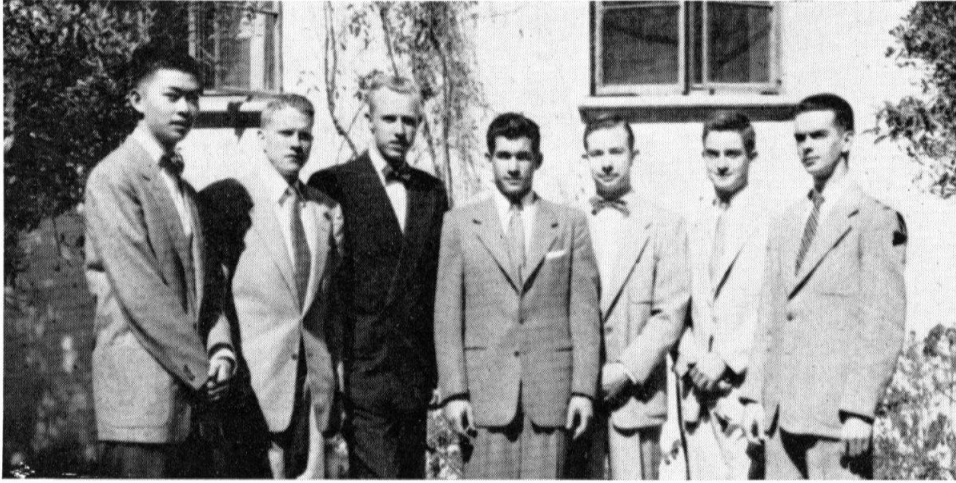




CLASSES

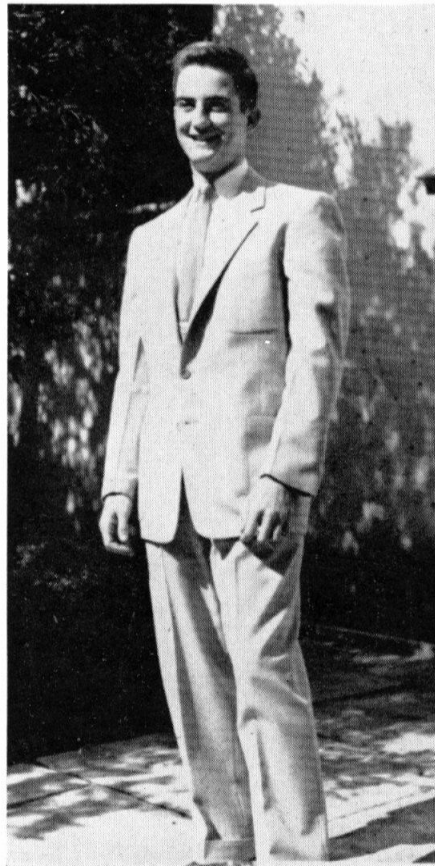


SENIORS

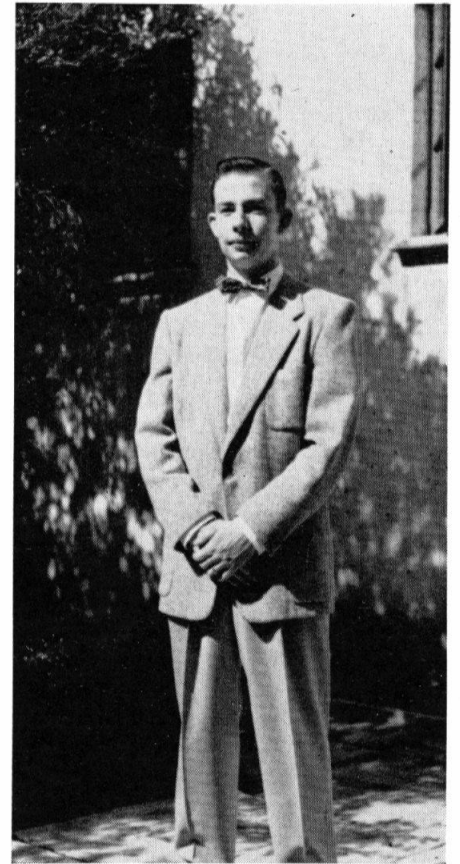


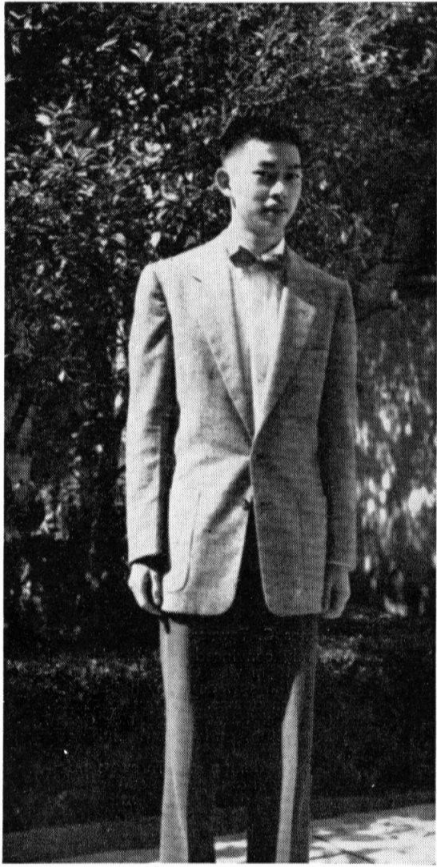
Gary Boyd
Secretary

Benji Rosen
Treasurer

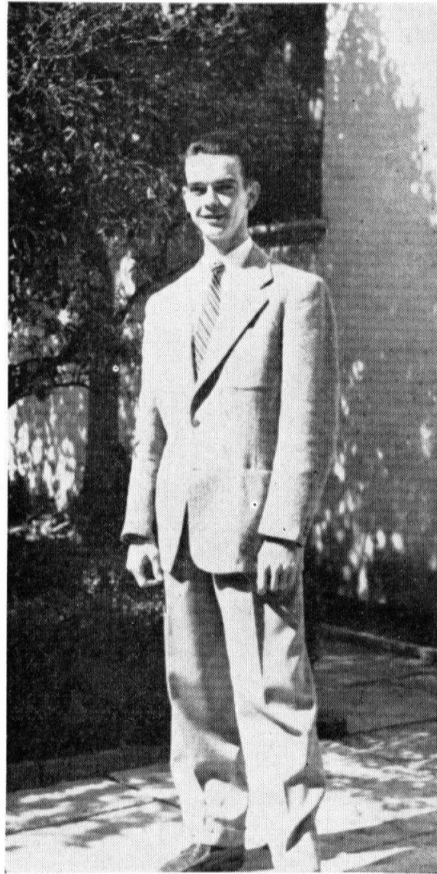


George Patraw
Vice-President

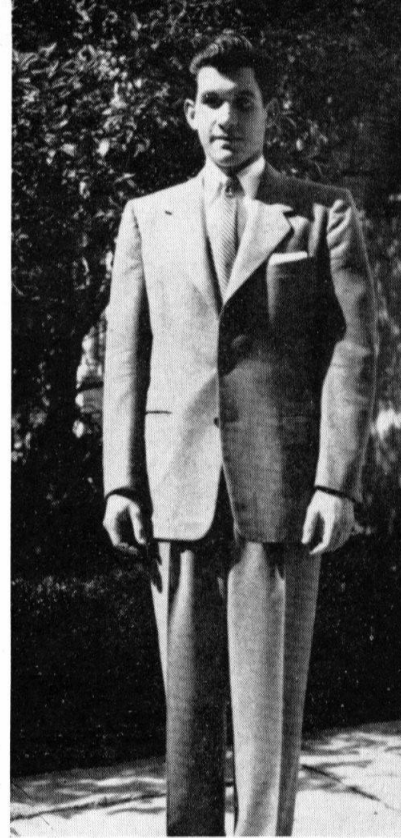




Jack Chow
Athletic Manager

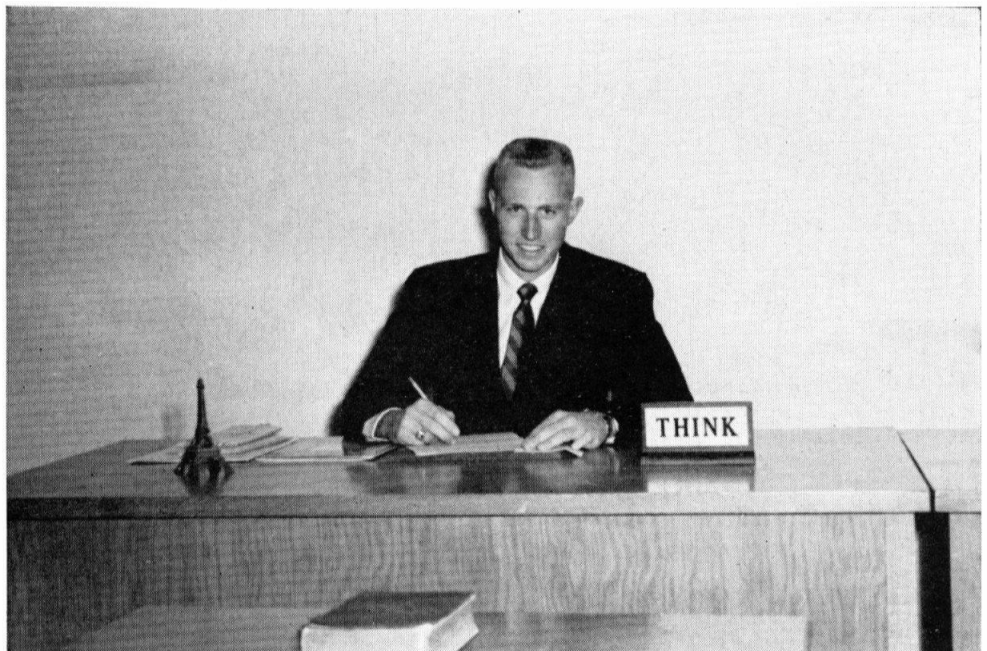


Bill Autrey
Board of Control

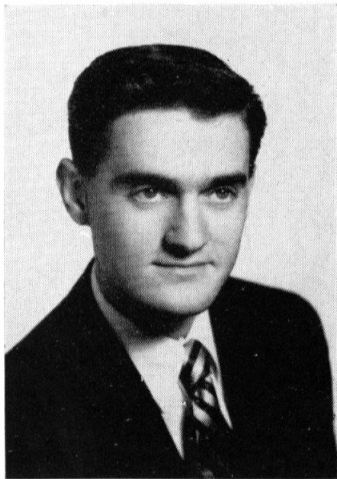


Bruce Kaiser
Board of Control

OTHER CLASS OFFICERS: Freshman officers appointed at new student camp were Dick Morse, President; Craig Elliott, Vice-president; Carl Strobel, Secretary; Jim Workman, Treasurer; and Bill McDonald and Rube Moulton on the Board of Control. The elected freshman officers, who served for two terms, were Dick Morse, President; Craig Elliott, Vice-president; Marty Tangora, Secretary; Jim Workman, Treasurer; Jim Mebust, Athletic Manager; Jon Harford, Entertainment Chairman; and Bill McDonald and Rube Moulton, the Board of Control. Sophomore class officers were Paul Lindfors, President; Bill Purves, Vice-president; Howard Berg, Secretary-treasurer; Art Takido, Athletic Manager; and Tom Bergeman and Lyman Fretwell on the Board of Control. Junior class officers were Don Roberts, President; Dick Wagenseller, Vice-president; Louis Kilchenman, Secretary-treasurer; and Al Helgesson and Vince Marinkovitch on the Board of Control.



Bob Lynam, President



George W. Corporales Throop
 A native of Holyoke, Massachusetts, George came to Tech via John Marshall High School, near Glendale, his present habitat. During his four years in the ivory tower he has been active in the Chem. Engineering Club and ACS, has lettered in frosh basketball and been one of Throop's inter-house stars. After graduation, George plans to sell his soul to industry and work, work, work.



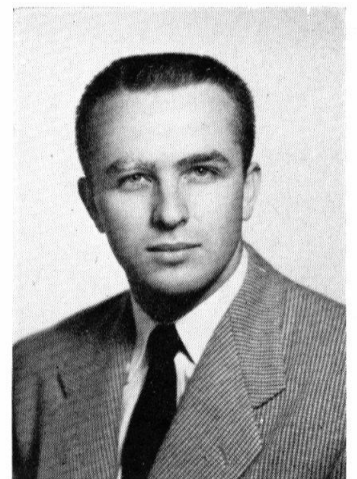
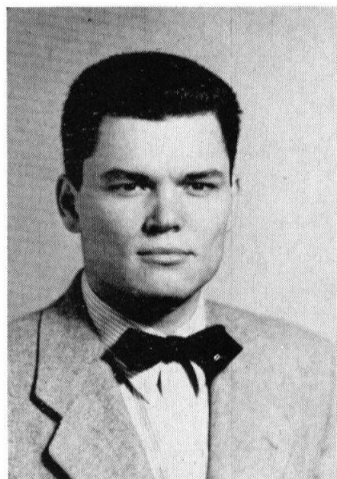
G. Neal Huntley Dabney
 Clean Neal will long be remembered for his outstanding performance as handler of the Dabney laundry concession. This intrepid athlete numbers the following among his sports achievements: last surviving member of CIT Bowling Team, Varsity basketball, frosh tennis, inter-house basketball, baseball, softball, volleyball, tennis, bridge, and, most important, flammers. Not having learned his lesson, he plans to stay here for grad work.

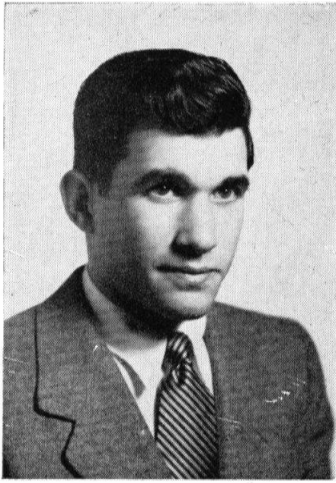
A
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Bruce Munn T³
 Belonging to that rare genus, the likeable cynic and misanthrope, Mr. BMmmm has spent his Techlife running spectacularly fast 100-yard dashes, convincing all within snarling distance that Democrats are really not much worse than Stalin, and cooling the A Ch option. Before doing his sentence with the "U.S. Cotton-pickers" he plans to squeeze in some graduate work at Tech.

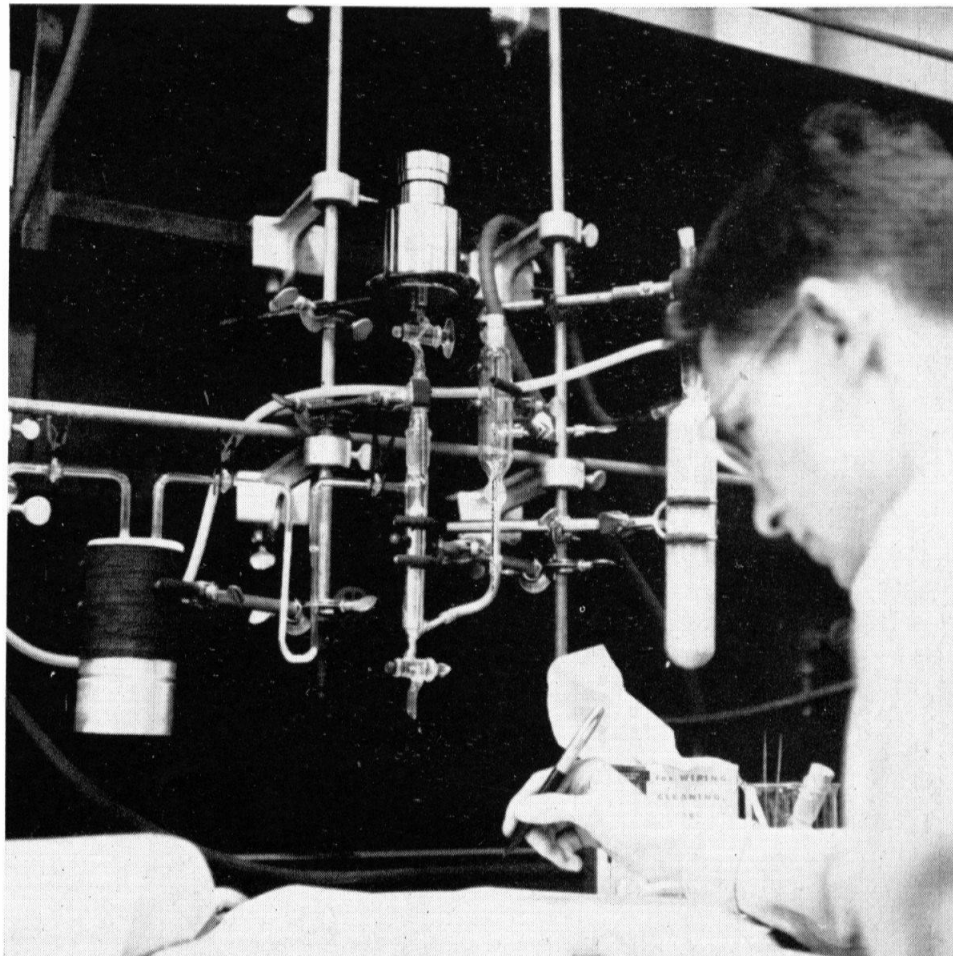
George W. Patraw Ricketts, T³
 George Patraw, the Savoire Faire and Sang Froid expert of Ricketts, came to Tech from Santa Fe, New Mexico Territory. Another activities major, George has won letters in Varsity cross country, track, and golf, as well as being sports editor of the Tech and Vice Prexy of his Senior Class. Come June, the Army awaits.

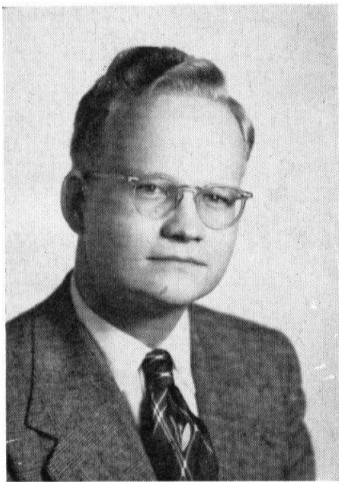
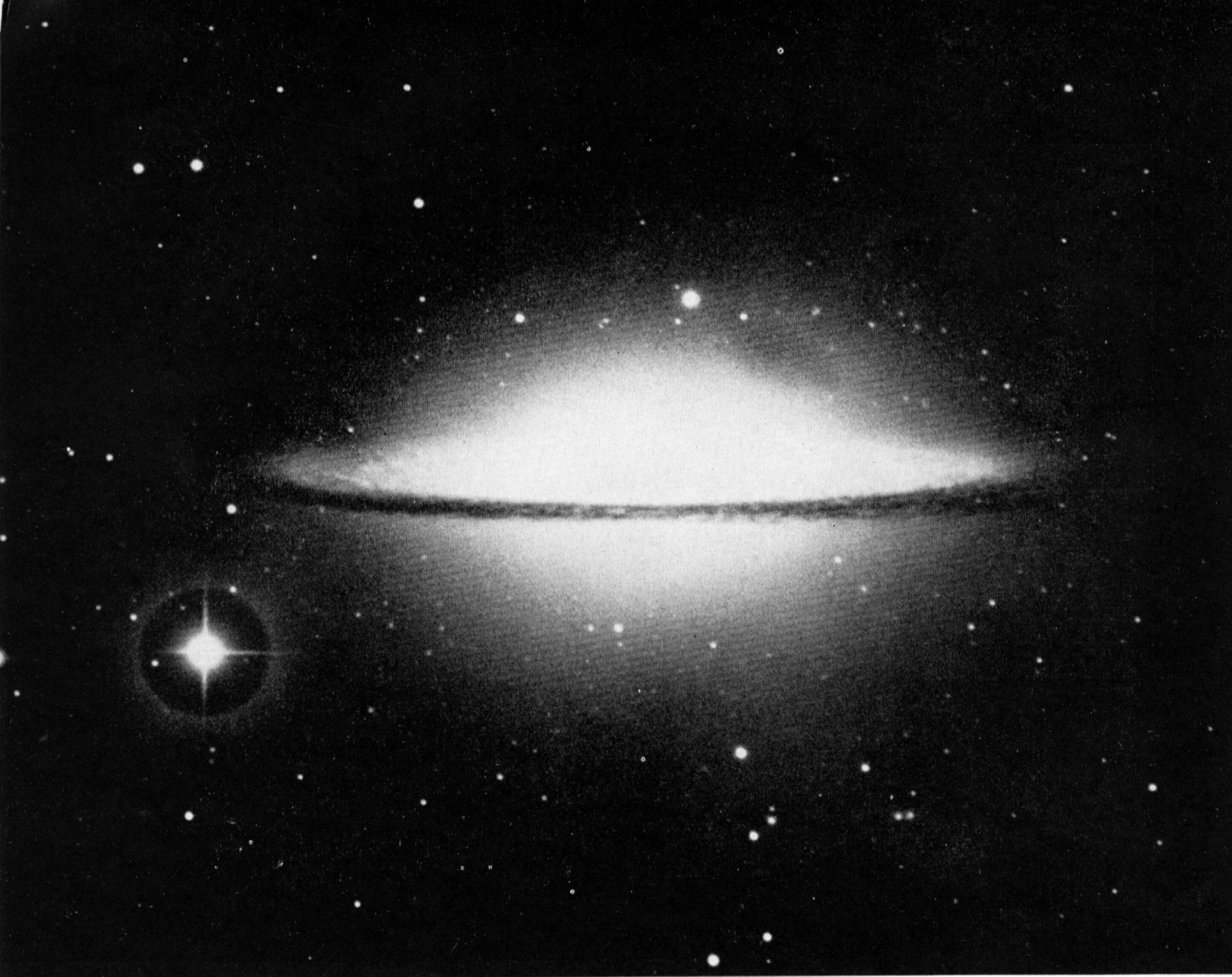
James C. Townsend TBPi
 Firmly convinced that the Manual Arts team was God's gift to football Jim saw as many high school as Tech games. The student A.C.S. (of which he was secretary), Chem. Eng. Club, and Throop Club took up most of his spare time. He was a real demon on Throop's football team and played softball too. Jim has a running battle going with his draft board and if he can hold them off for three months he's planning a trip to Europe this summer.





Bruce A. Kaiser
Ricketts, Honor Key, T²
Kansas City's "Mighty Mouse," in addition to starring on the Football field, distinguished himself in almost every sport played at Tech. He also, when not athletically occupied, found time to serve two years on the Board of Control, was elected ASCIT Athletic Manager, and belonged to the A.C.S. His next two years will be spent in khaki and K.P. of Uncle Sam's Army.





Ray L. Newburn **Blacker**

A physicist — turned astronomer from La Crescenta, California, Ray has the distinction of being one of the prime supporters of Shell Oil by virtue of the quantities of their midnight product he has burned in achieving his revolting good G.P.A. He has also spiced his story at Caltech by becoming both a member and president of the musicale. His immediate future will be determined by the agility which he displays in hurdling the abyss of selective service which blocks all roads to astro grad school.

ASTRONOMY



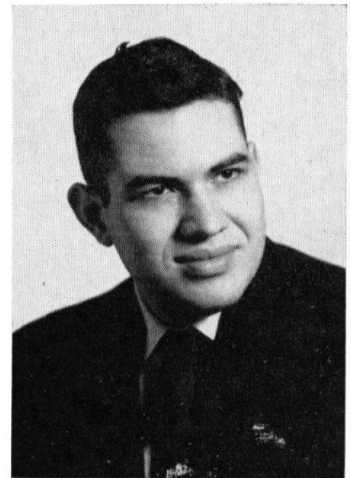
Sidney B. Bellinger **Ricketts**

Sid has sailed through Tech in a placid, easy-going way that characterizes him. Coming from Agnew, California, Sid graduated from Bellarmine Prep, before becoming one of the selected Tech biologists. House activities on the Rowdy UCC and interhouse football teams, in addition to Students' Day work have been his extracurricular activities on campus. Sid's friendly, quiet and confident personality will serve as a pleasing bedside manner in his chosen medical profession; after graduation, he goes on to med school.



Alexander Gansa

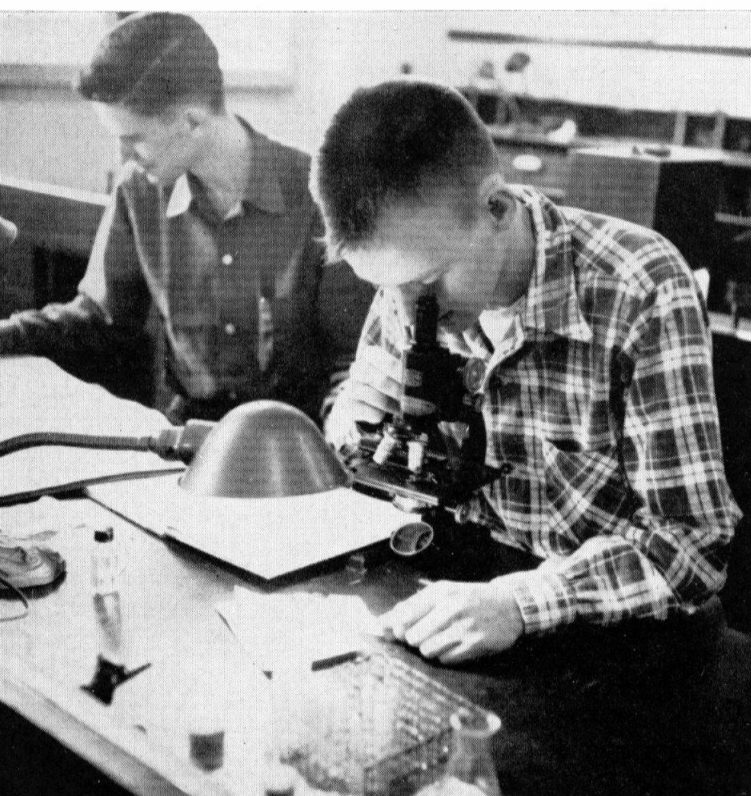
A permanent Californian, Alex, after graduating from Los Angeles High compressed five years of college into four by attending UCLA for a year between his first and second year at Tech and then worked like a beaver to catch up to his class. Active as vice president of the biology club he is also a connoisseur of piano music and of summer schools having attended every one in California. Accepted into UCLA's medical school, he will specialize in psychiatry, particularly research into the neural aspects.



Melvin L. Goldberg **Throop**

Melvin is another one of that supposedly elusive character, the well-rounded Tech man. He has been, as well as an enthusiastic biologist a writer for "Pendulum," secretary of the Biology Club, and an ardent devotee of classical music, history, and comparative literature. If his AFROTC activities don't put him in the Air Force, he'll marry, then go to U of Illinois grad school.

BIOLOGY

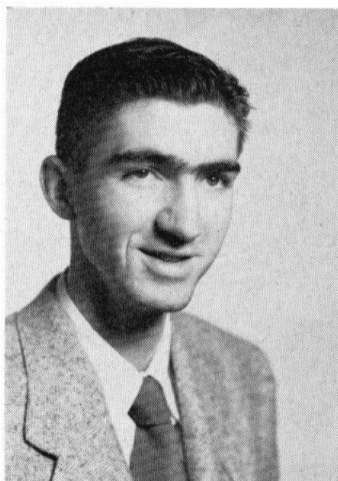


Jaffray, Robert

A Glendale product, Bob has shown wide interests as a member of the Christian Fellowship, Musicales and Biology Club. Scornful of all animals, his one regret is that he wasn't born a plant. Before graduate school (plant biochemistry) and possibly the ministry he hopes to get a teaching credential at UCLA. However, Uncle Sam is beckoning.



CHEMISTRY



Fred Anson TBPI, T³

The Tall One will not be forgotten by sport fans in Pasadena for a good long time; his basketball honors make up a list almost as long as he is. But aside from winning All-Conference recognition at center for three years and breaking all kinds of scoring records, Fred made the proud ranks of Tau Beta Pi and also was president of ACS his senior year. Next year he plans to enter Harvard grad school. Folks back in El Monte can be mighty proud of Fred.



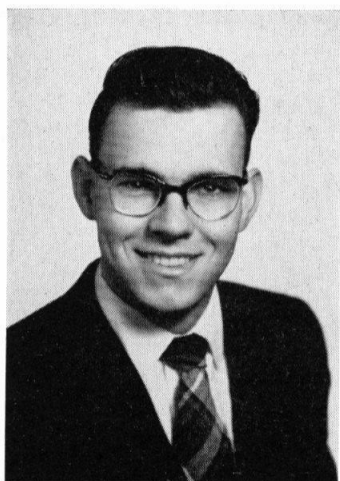
Mark Cher TBPI

From Buenos Aires, Argentina comes this esteemed chem. engineer. After Mark graduated from Belmont High, Los Angeles, he won a novice tennis tournament his first year at Tech, and continues later activities in the Musicale, Throop Club, Chem Engineering Club and TBPI. He lends a friendly ear to classical music, with Italian Operas his special interest. Next fall he'll join the growing ranks of Tech men at Harvard.



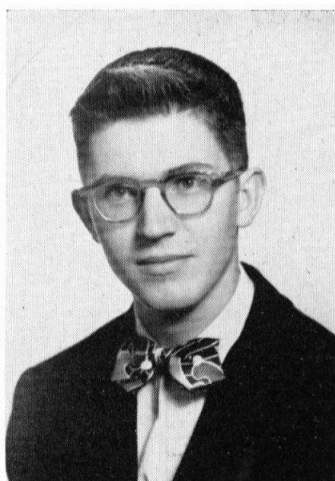
Glen R. Crabbs

An expert on poisons, Glen could expound more fluently on more topics than almost anyone at Tech. A born worker, Glen took the student A.C.S. chapter under his wing and was responsible for much of its activity. Not satisfied with this he got himself elected chairman of the Executive Council of the So. Calif. A.C.S. student chapters. After grad school at UCLA Glen plans to work in analytical chemistry.



Ward B. Davis Throop, T²

Ben did so well at El Monte High School in chemistry that he decided to stick with it at Tech. And to prove how well he gets along with H₂S and test tubes he is planning to obtain a teaching credential and teach chemistry. A real mainstay of Throop Club's intermural teams he also lettered in intercollegiate tennis. If all goes well Ben plans to tourist his way through Europe this summer and return just in time to make another trip at Uncle Sam's expense.



Gerald O. Dudek Fleming

Dabbler in black magic, professional misanthrope, YMCA film "wheel," varsity baseball manager, and, incidentally, Chemist, is G. O. Dudek. This Binghamton, New York product has distinguished himself principally by "hating people" at the top of his lungs, while on the sly being one of the friendliest and most obliging guys on campus. From Tech he goes either to Harvard or the first scene of Macbeth.



Earl M. Evleth Fleming

This "muscle-bound" chemist was useful to the varsity track and football teams, and further his muscles provided a good deal of difficulty for those who regularly shaved a T in his massive, hirsute chest. Besides writing bad poetry and his girl, Earl is interested in swimming and folk songs—the latter he sings at any and all opportunities. He hopes to be singing in Grad school next year.

CHEMISTRY

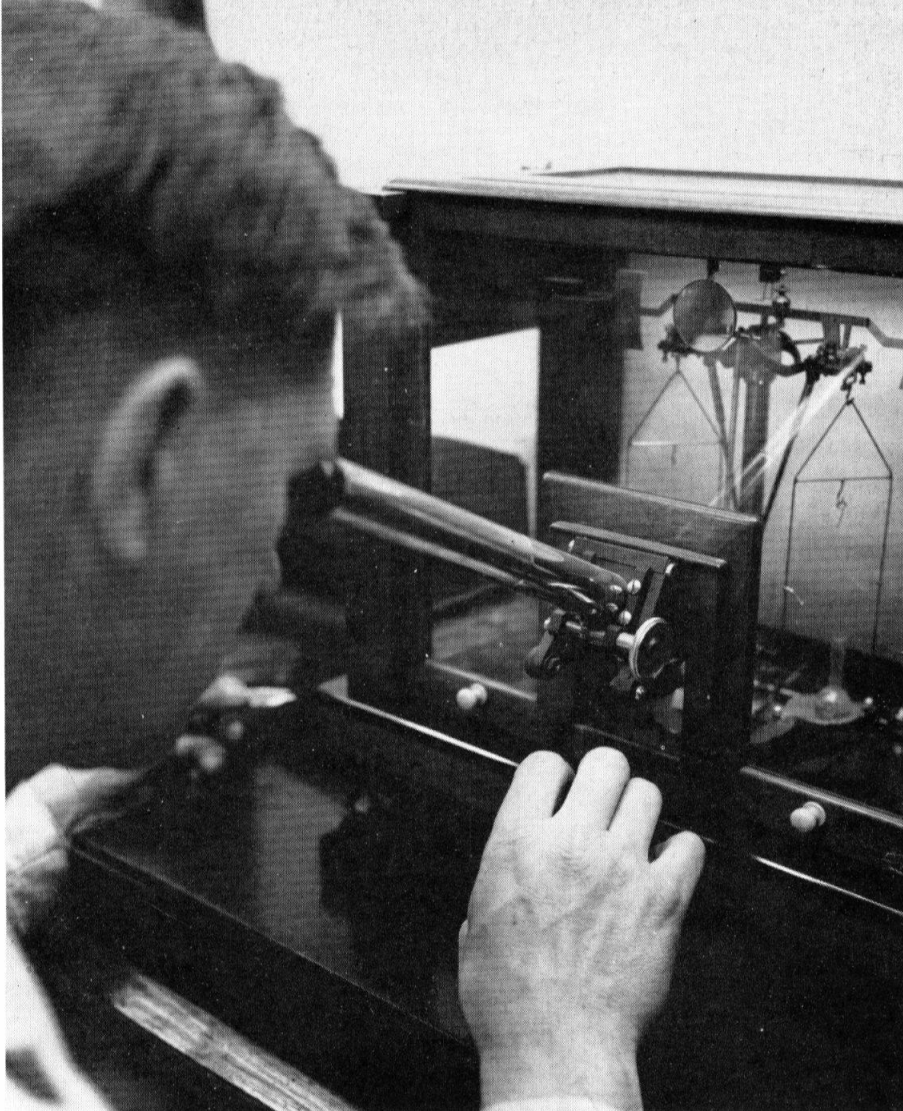


Garson P. Shulman

Between his complaints about "the awful California weather" and his fishing trips to Redondo Beach, Gus found time for frosh football and L-35. He was also chief Shylock for the student A.C.S. chapter. Always willing to furnish useful drugs without prescriptions, Gus became known as the walking pharmacy. Future plans include grad school or going to work for an eastern biochemical concern.

Francis F. Scott Throop

From Los Angeles, Francis is a former Biologist. He made good use of his summer at the Marine Lab by meeting his wife there. The Scotts have one son. Honor standing his sophomore year and a Cross Country Letter show his diversity. Preference however would take him to the beach. His present goal is a Ph.D. in Psychology.



Edward J. Gauss Blacker

This mountaineer from Denver came to Tech with the avowed intention of engaging in painting, skiing and scholastics. Finding this narrow regime a trifle boring, he branched out, became CHE Club prexy, Student Shop foreman, Drama Club treasurer, Blacker athletic manager, Hell Alley Alumni Assn. member, and frosh football and track letterman. His future plans are specific and heartfelt—get away from Southern California.

Jerry C. Mitchell Blacker, TBPI

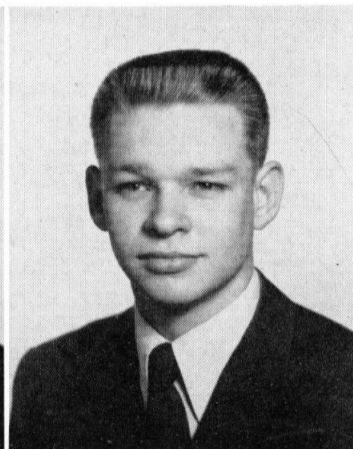
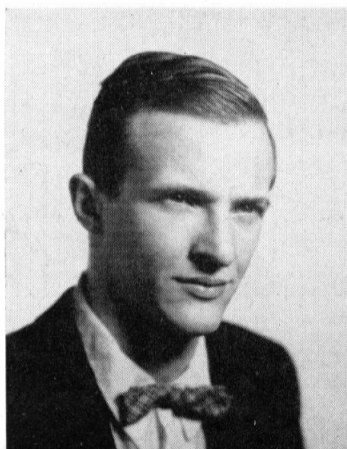
The work he put into achieving four years' honor standing has not prevented Van Nuys' fair haired scholar from becoming Blacker House treasurer, first vice president of the student affiliate A.C.S. and social chairman of TBPI. After his intended Grand Tour of the Continent this summer, he plans to settle down to the mundane existence of grad school.

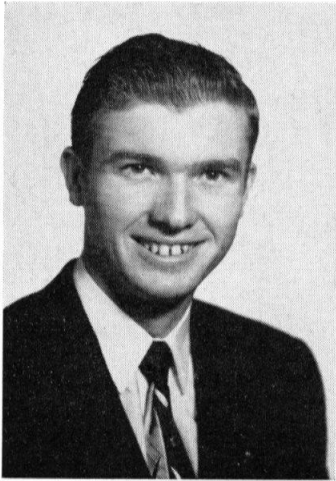
Ron Ratney Ricketts

An old sailor from way back, Ron Ratney claims that his home town is Brooklyn although he graduated from Brandes School in Tucson. In addition to his sailing activities, he was Editor-in-Chief of the California Tech during his junior year, a hard-working member of the Drama Club (if there be such), and Treasurer of the ACS. Ron hopes to continue sailing and cycling activities in grad school.

L. Willard Richards Dabney, TBPI

One of the most active men in Dabney, Will has played four years of interhouse tennis and has served as house treasurer, historian, and upper class committeeman. His other activities are TBPI (treasurer) and ACS (president). Having held honor standing in his frosh and soph years, he should have no trouble in realizing his dreams of graduate work in chemistry.

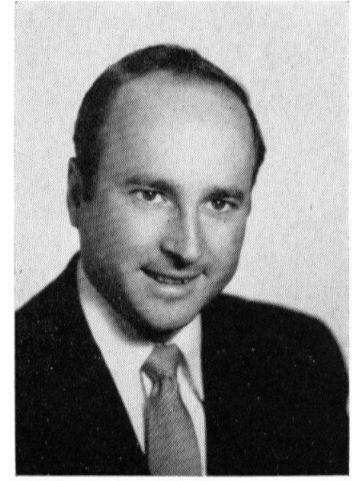




Franklin D. Dryden
Blacker, T, Honor Key
 When not papering his room with honor certificates (he has three), Frank divides his time among his presidencies (YMCA and Beavers) and his vice presidency (Blacker House). In spare moments he may be seen working on the IHC, Band, Instituters, ASCE, Orchestra, and guide service. He has also collected one varsity soccer letter and three interhouse letters. This June he'll enter the Air Force.



John G. Goetten **Blacker, T²**
 This local boy has distinguished himself by making the sudden gaps in opposing football lines, and in the process garnering two varsity letters, by sparkplugging Blacker interhouse teams, by activity in the ASCE, and by driving the hottest pickup on the road. A job awaits this CE in June, if the service permits.



Frank W. Joyce
 As one of the class' old men, Dad brought to Tech a varied background ranging from graduation from San Francisco's Lincoln High to school at Cal to service as a Navy pilot. His accomplishments at Tech are, in order of importance—a wife, the offices of Blacker veep, Newman Club secretary, and ASCE treasurer, and, incidentally, an education. Next stop, a job.

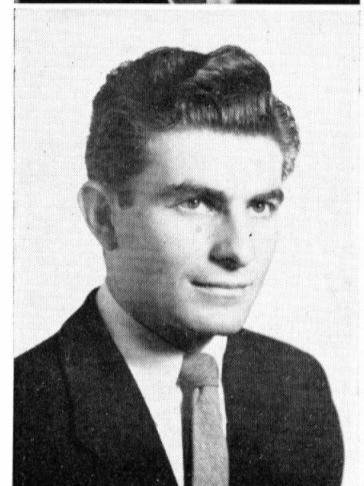
CIVIL ENGINEERING

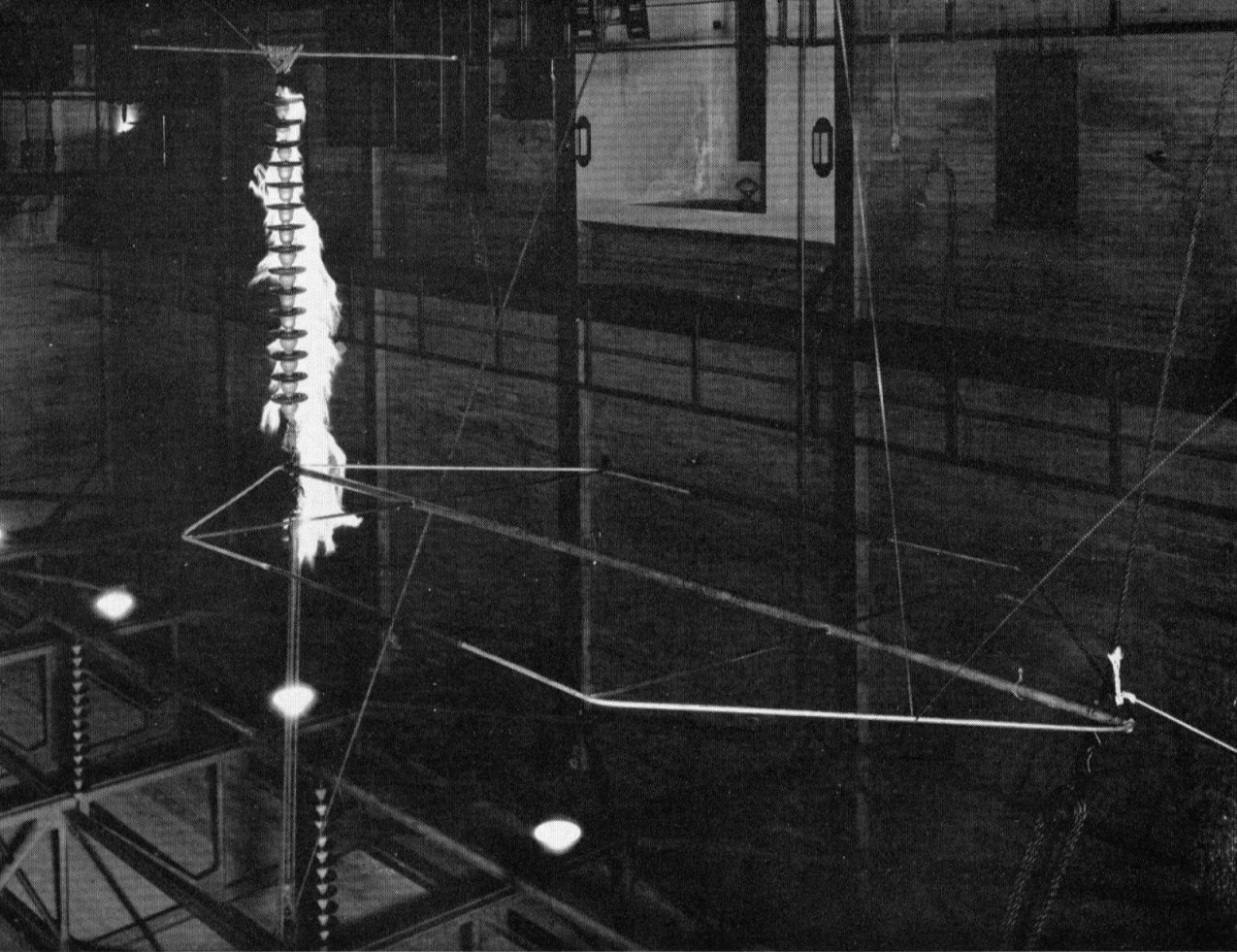
Eugene A. Kaiser **Throop Club, T²**
 For the past four years Gene has been one of the leading lights in the "Off-Campus-Men-aren't-out-of-it" club. To prove his point, he has been Throop Club Social Chairman, member of the Soph and Junior Class Councils, Veep of A.S.C.E., holder of two track letters and numerals in frosh track and football.

R. S. Miller **Throop**
 "Ro" Miller came to us from Woodrow Wilson High School in Los Angeles. During his four years at Tech he was a big wheel in ASCE, serving as secretary and as co-editor of the *Spillway*, and also found time to play on Throop Club teams in six different Interhouse sports. Ro leaves us now looking forward eagerly to marriage but not so eagerly to grad school, work, or—worse yet—the army.



Manual Morden
 Manny has shown himself in interhouse sports and the Beavers, been vice president of Throop Club as well as recording secretary ASCE and co-editor of the organization's paper, "Spillway." A "theatah" goer he is also an admirer of music and literature. In addition to quote him, "I'm married."





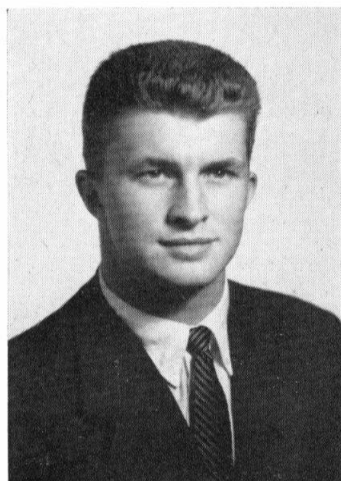
Gary D. Boyd **Ricketts, TBPI**

Now secretary of the Senior Class, Gary came to Tech from South Pasadena-San Marino High School. He is corresponding secretary of Tau Beta Pi and a member of Pi Kappa Delta debate society, AIEE, and IRE. Gary plans to go on to graduate school here at Tech in Electrical Engineering.

Lawrence B. Brown

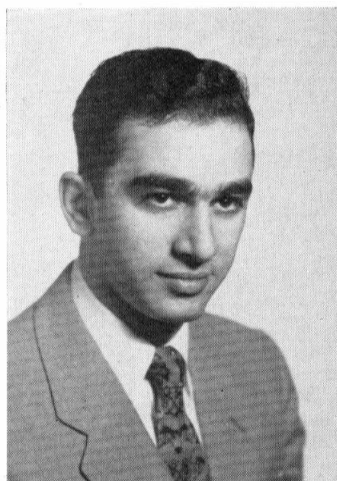
Larry's a fifth year man, one of that hardy crew who came for an extra degree. With this background he can hardly miss, no matter what job he tackles.

ELECTRICAL ENGINEERING



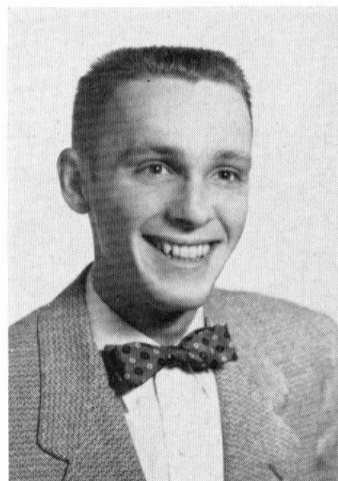
George E. Bryan
Dabney, Honor Key, T

Ed's career as a politician on campus took him to the top of the ladder in Dabney. Besides being house historian, Instituter vice president, and president of the Caltech Ski Club. Varsity swimming and water polo filled his spare time. Work in electronics is his present plan, subject to revision at any time by the Albuquerque draft board.



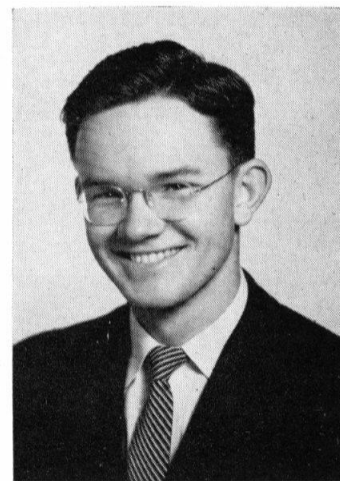
Otto Cardinale **Blacker, T**

An escapee from staid Boston, "Woody" spent three and a half years in that well-known Tech-preparatory school, the U. S. Air Force. Proud of the fact that he is a member of the Blacker Waiters' Union, he also boasts the office of membership chairman of both the IRE and AIEE, no doubt feeling that two jobs are better than one. This varsity cross-country letterman plans an inauspicious, though commendable future—work!



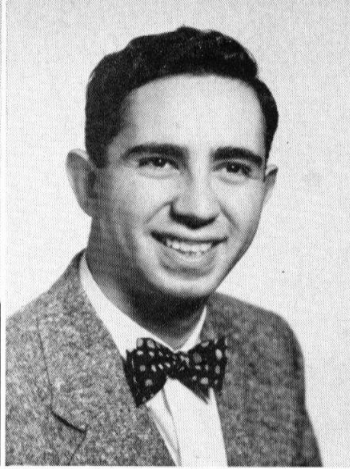
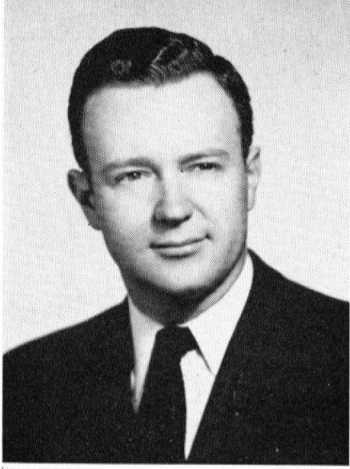
Paul Cramer **Fleming, T²**

This one loved to run—a letter in Varsity Cross Country, plus membership in the Frosh, JV and interhouse track teams point to some fondness along this line. If this wasn't enough, another odd pleasure of his was writing, as secretary of the YMCA and ASCE. Along more normal lines, this Angeleno was interested in Hi Fi and photography, and next year he hopes to be piling up the lucre with which to enjoy these hobbies.



James C. Crosby
Blacker, TBPI, Honor Key

Hoping to retire upon leaving CIT, Big Jim has been racking up a small fortune in school activities, which, amazingly enough, include scholastics. When Baguio, Philippines, lost a high school graduate, Cal Tech gained a president of TBPI, a president of the Instituteters, a Beaver, a Student Shop treasurer, and lastly and leastly a co-ed (of the California Wretch). Quoth this wise bird in re future plans: "Old Seniors never die; they go to grad school and learn to multiply (at Tech). Me too."

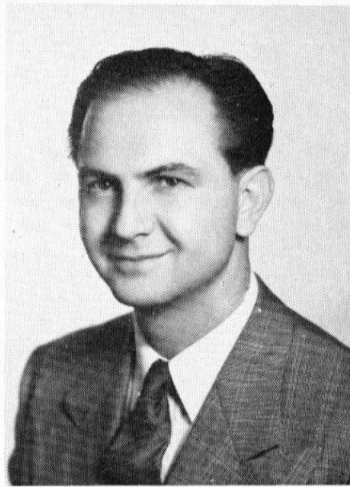
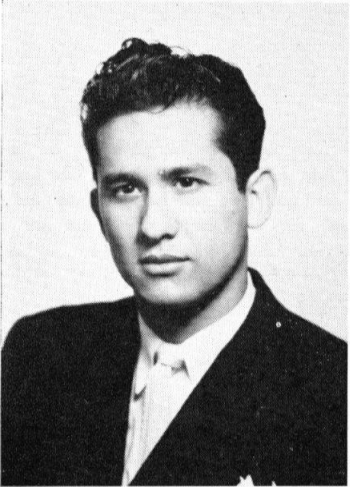


Alfred H. Gale

Al has done a couple of stretches in the U.S. Army, and to cap this virtue, seems to be the only EE who knows what's going on in EE 60 lab. He was vice president of Dabney for a term until he got married, and of course belongs to AIEE and IRE. Upon graduation Al plans to go to work.

Roger M. Golden

Rog transferred to Tech from Northwestern University two years ago and immediately went to the head of the class and into Tau Beta Pi. During the last year he has beaten the drums for AIEE and IRE exhorting the faithful to attend meetings. A Throop Club man, he lists bowling and women as his other interests, but we suspect a deeper interest in returning to Tech next year for grad work.

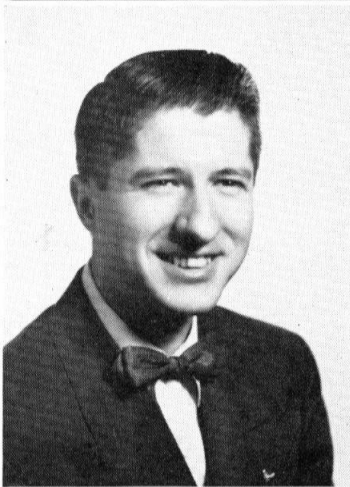
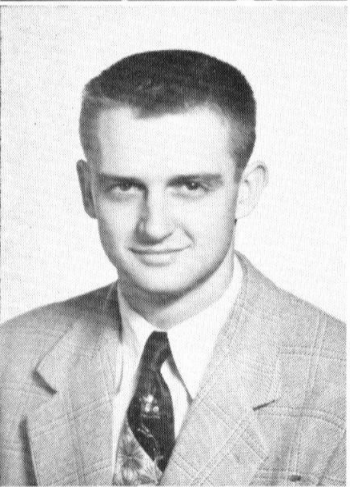


Reinaldo Gutierrez Dabney T²

It's fortunate that René likes to travel because in the course of his life he has seen much of the world and become quite a linguist. He presently lists Shanghai as his home. During his stay here he has captained the soccer team (on which he lettered four times) and played frosh tennis and run JV and interhouse track. His future plans include marriage and grad work, possibly at Stanford.

Weldon Jackson TBPI

Weldon is currently competing for class father, "the oldest with the mostest," and lists his two children (ages 7 & 9) as special interests in support of his campaign. A junior transfer from PCC he has been active in the AIEE and IRE besides being smart enough to make Tau Beta Pi. The "almighty dollar" beacons next year as Weldon plans to go to work.



Curtis Johnson

Big Curt is a sports fan who has played in a lot of games around Tech in intercollegiate and interhouse sports. While hot he has a mean hook shot. A member of IRE Curt also played on the school band for two years, is married, and has interests ranging from audio to photography. He is going to work for his Masters next year.

Harvey Johnson

Another electronics man Harvey is also a hi-fi addict and an IRE member. A native of northerly San Pablo, California, he has already spent four years in the Air Force. Upon graduation he plans a second honeymoon with his wife and small daughter. After that he will hit the road for riches and renown.

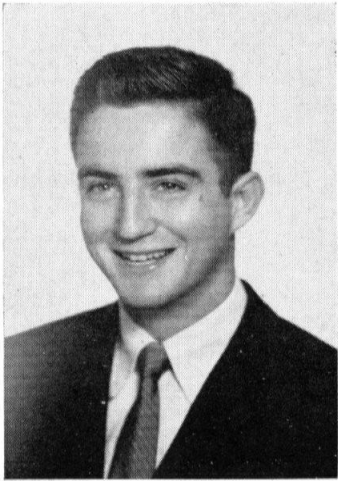


William Kerr

Bill is a navy vet of four years, has been married while at Tech and claims, sunny, smoggy L.A. as his home. By his own admission he plans to "enter industry through technical sales." When translated this means he is going to THINK for IBM next year, and when he has time off from selling we suspect he'll continue to play bridge and golf.

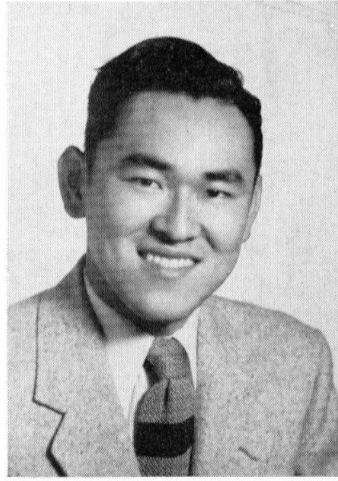
Robert E. Pechocek Dabney, T²

Bob is breaking an old Darb tradition by leaving the executive vice-presidency while still a bachelor. His athletic endeavors include three years on the baseball team and an infinite number of hours spent over a hot bridge table. Without a doubt this indefatigable snoozer should have had a personal couch for his daily four-hour nap in the lounge.



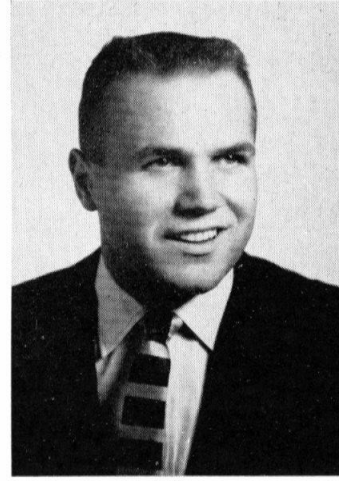
Benjamin M. Rosen Fleming, TBPI

This Tau Bate, from the swamps of Louisiana, was one of the mainstays of the Fleming teams. While spurring the teams onward as a member or cracking the whip over them as House Athletic manager, he indeed gave good account of himself. But as Senior Class Treasurer, fear is raised that he may become another Huey Long with the class funds. Come what may, he hopes grad school will claim him next year.



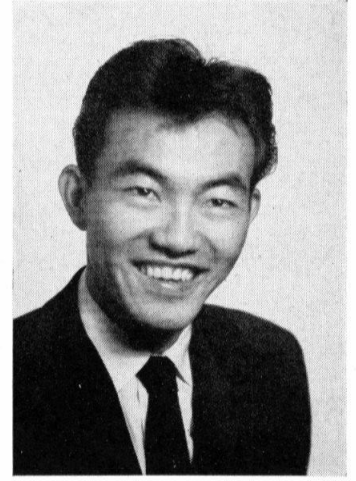
Takeshi Sato

Tak is a gentleman who sticks by the home town, Pasadena, and hopes to go right on patronizing it by returning to grad school here next year. An avowed electronics man, Tak is in the IRE, works part time at JPL, and naturally lists hi-fi as a hobby. We think that he delights in people falling all over his first name.



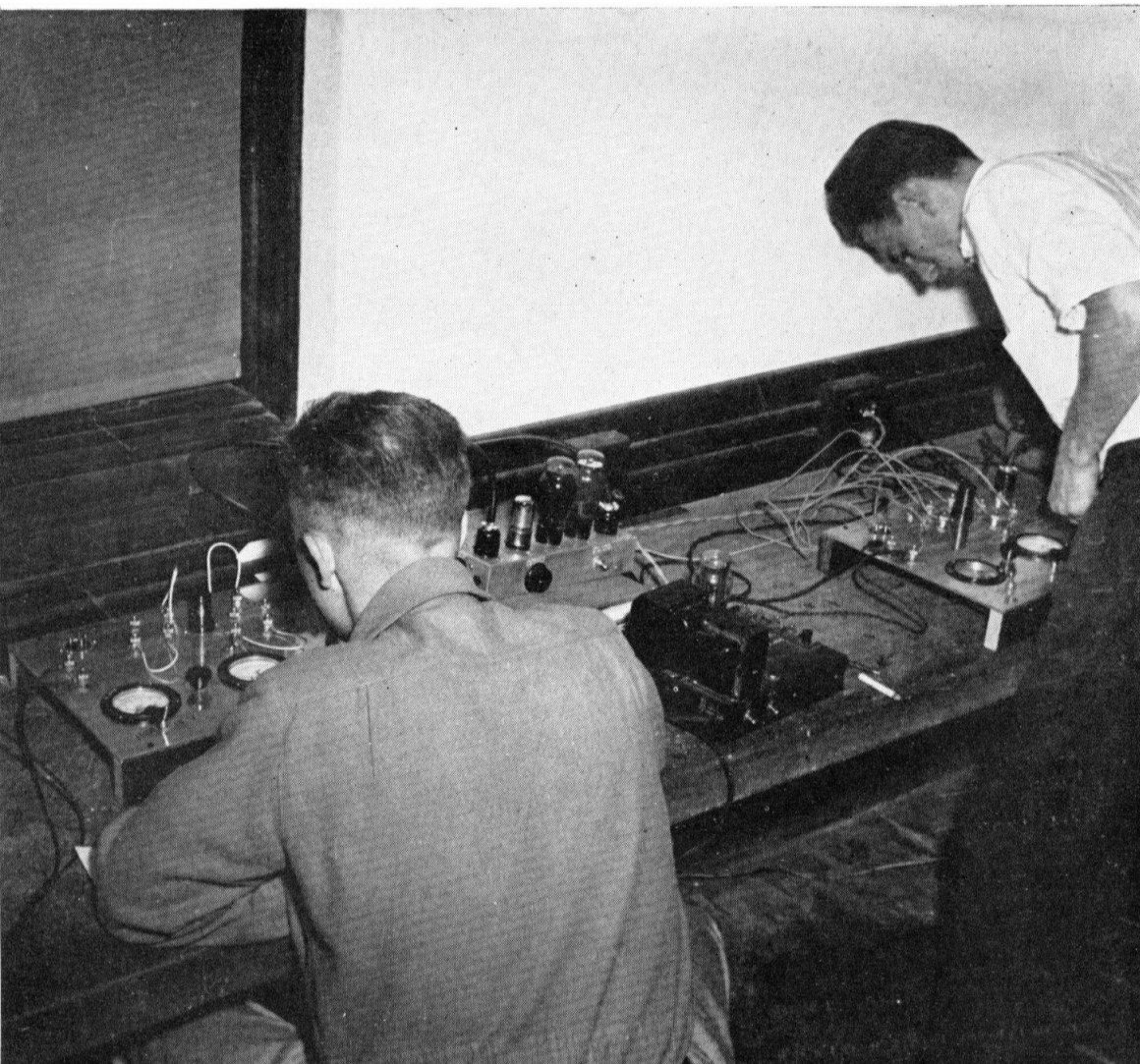
Howard E. Shanks TBPI, T²

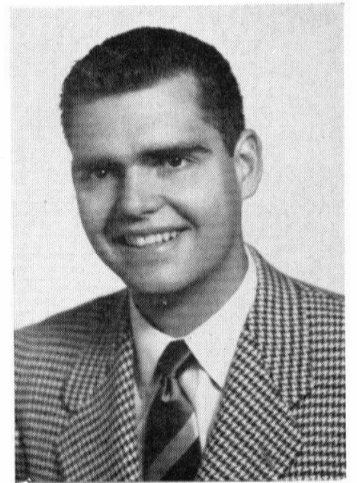
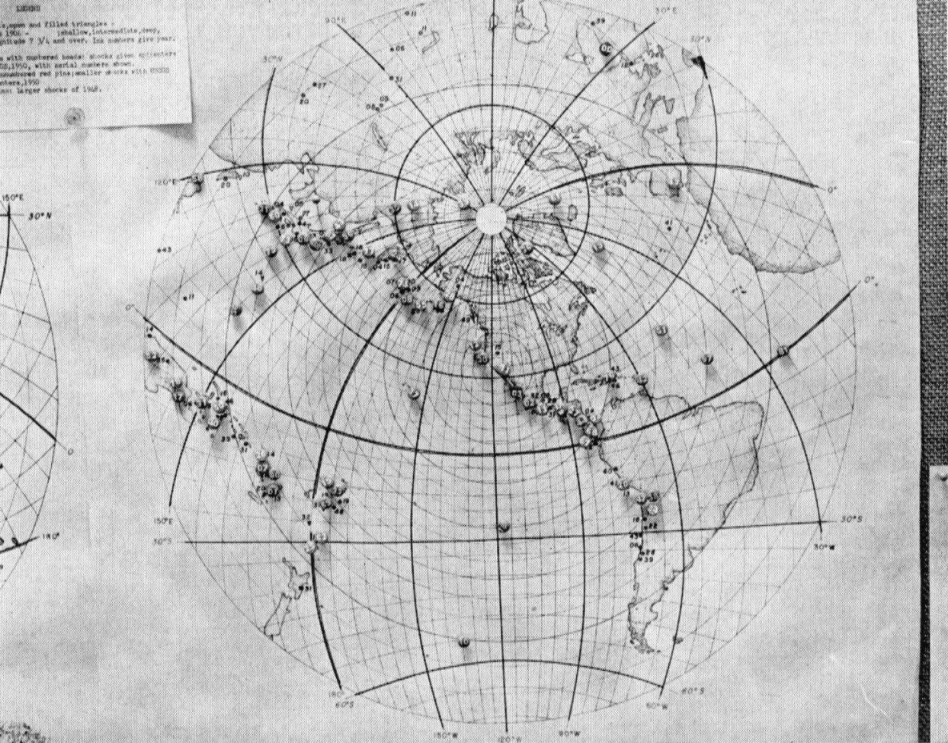
This two-year letter man in basketball came to Tech from PCC. Overheard last year—"Tech isn't so tough"—and he made Tau Bate to prove it. He plans to get married and go to grad school in physics next year.



George Wada TBPI

A junior transfer from John Muir, George proved himself at Tech long ago, making Tau Beta Pi easily. Like many other Navy vets George came for electronics and consequently joined the IRE besides listing hi fi as his hobby. Next year he plans to go on to grad school for further doses of wisdom, truth, and knowledge.

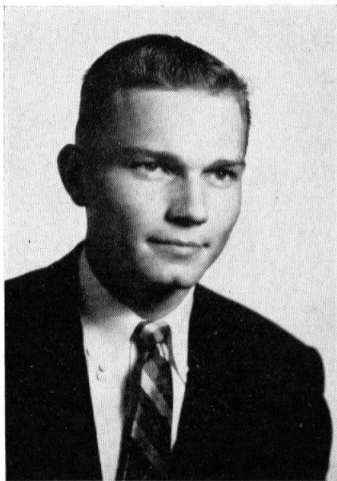




Richard Dondanville

A native of San Gabriel, Dick came to Tech from Alhambra High School. In his four years in these confines he has majored in geology and AFROTC, with a special interest for paleontology. In his spare time he played both frosh football and basketball, and served as secretary-treasurer of the Geology Club. He was a cadet captain in the AFROTC, and after serving his hitch with the air force Dick looks forward to graduate study in oceanography, which is appropriate since his hobby is shark fishing.

GEOLOGY



Donald L. Hook

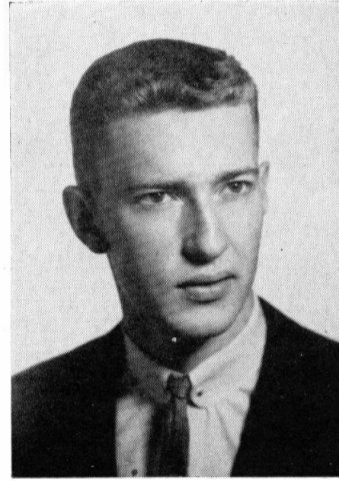
Blacker, Honor Key

Presidency of Blacker marked the culmination for Hookey of four years of interest in school activities. This Phoenix lad has been AFROTC cadet colonel, Veep of his Junior class, and member of Beavers, Gnomes, Glee Club, PBAA, Rifle Team, and Geology Club, which have netted him an honor key and honor certificate. Since he has recently become the property of a charming Schimpssie, he will go to work to support his forthcoming marriage.



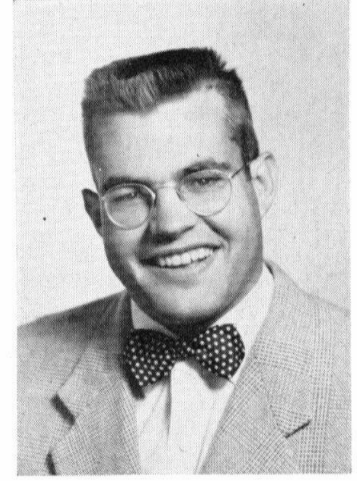
Robert Olsen

Bob is a graduate of Glendale High School, and, living in La Crescenta, he has commuted to Tech daily during his undergraduate years. While at Tech he put his interests in classical music to good advantage, and served as an officer of the Musicale. Another principal source of recreation for Bob was playing volleyball. Noted for turning in all his Summer Field Camp reports on time, Bob plans to go to work for some oil company following graduation, with special interests towards the production end of the business.



Richard C. Smith Blacker, T²

Smitty, a St. Joseph, Missouri man, lists among his chief accomplishments at Tech the self-control he has exercised as Blacker's eminent headwaiter in not enthusiastically machine-gunning the boors' table. Other distinctions include membership on the athletic council, two years of stellar performance on the varsity basketball team, and the salvaging of innumerable Blacker interhouse teams from black defeat. Grad school follows.

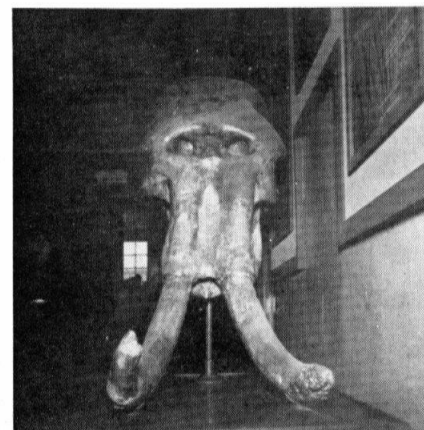


Hugh P. Taylor Dabney, TBPI, T³

Dirty Hugh has become a legendary figure in Dabney House for his fantastic feats on the championship crew teams. He has also shown a talent for more formal sports, gaining the following honors: Wheaton Football Trophy, 1953 football co-captaincy, three varsity football letters, and letters in frosh football and frosh and JV basketball. His Tau Beta key and honor standing should take him to Harvard for grad geology study.

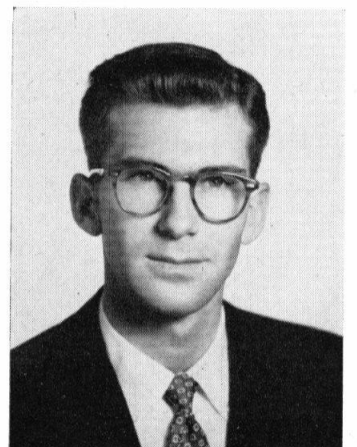
Gordon Seele Blacker, TBPI

Gordon is a fifth year man at Tech, but is one of the outstanding scholars of the class. He was elected to Tau Beta Pi, and entered the geochemistry option this year after spending three years as a geologist. Gordon has more or less made a hobby out of his vocation in that he spends his free time hiking and climbing mountains. He plans to come back to Tech next year for graduate work leading to a Ph. D. in geochemistry.



MATHEMATICS

Robert D. Ryan Ricketts, TBPI
A devoted fan of higher mathematics and lower dives, Figgie has been distinguished by his infallibility in Ph 6 and by his exemplary support of such charitable and benevolent activities as the Ricketts-Mt. Wilson road race, Macaroni Club bazaars, and Drama Club morality plays. He will continue his education at an east coast grad school.



MECHANICAL ENGINEERING

Lynn Abbott Blacker, T³, TBPI

As Blackers incurable athlete, Lynn has made serious inroads on the standing membership of opposing football teams, thereby gaining himself three varsity letters, an all-conference berth, and the Wheaton athletic trophy. Just to prove that brain can equal brawn, this versatile Angelena is also veeep of TBPI. This June he'll exchange his letter sweater for a slightly different kind of blue uniform.

Samuel W. Autrey Ricketts, Honor Key, TBPI, T³

Some time in the Paleolithic past, Bill graduated from high school in Hollywood. Since then he has served for three years in the Air Force, one year as Ricketts House prexy, one year as ASCIT publicity manager, and innumerable afternoons as mainstay of varsity and interhouse athletic teams. After packing his loot, which consists of two honor keys, one Tau Bate key, and two athletic letters (in baseball) Bill will go off to work at some job which pays piles of money.

John T. Billings Dabney

One of Dabney's most respected senior (in more ways than one) members was J. T. Billings. He served the house as executive vice president and served in the same capacity with the Beavers. Despite good times in the student houses, J. T. decided the grass was greener on the other side of the fence, so he moved off campus with a new roommate named Gail. Future plans: work.

Philip W. Birkeland Ricketts

With an interest in sailing and skiing, Phil came to us from Denver, Colorado. A member of the SAE, ASME, and the Sailing Club, he became Commodore of the Sailing Club, and Ricketts House treasurer. He went out for intramural track and cross-country, winning a numeral in frosh track. Phil, whose home is in Palo Alto, Calif., is planning on a reserve commission in the Air Force after graduation.

John J. Bondra TBPI

John is one of the old men of the class, and comes with the usual qualifications of this group—a family, and a background of service with Uncle Sam's boys. In the future lies—work.

Stuart A. Cameron Fleming

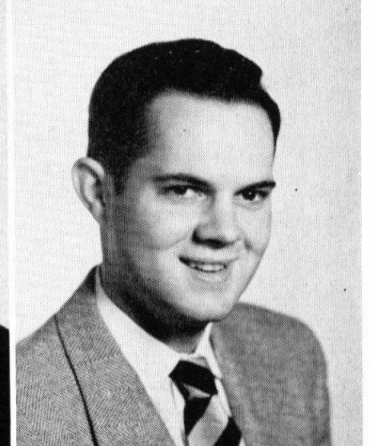
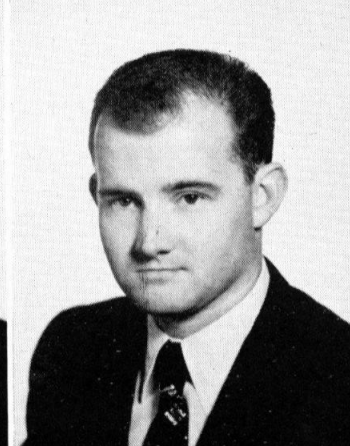
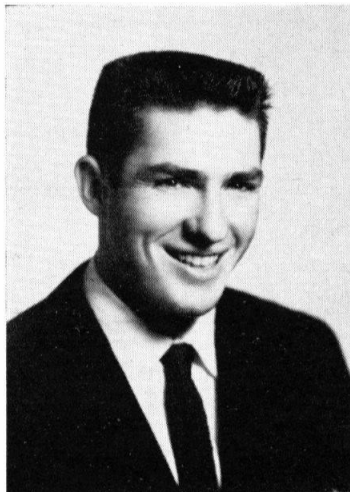
"Big Stu," the Fleming aviation i.g. snake, is one of the few men who hasn't turned into a soulless slave of learning. Instead he has sailed through his stretch at the Institute with very little sweat, been active in the SAE and ASME, and varied his engineering interests with a flyer at model airplane building. In this calm lad's future are grad school, the Army, and a job.

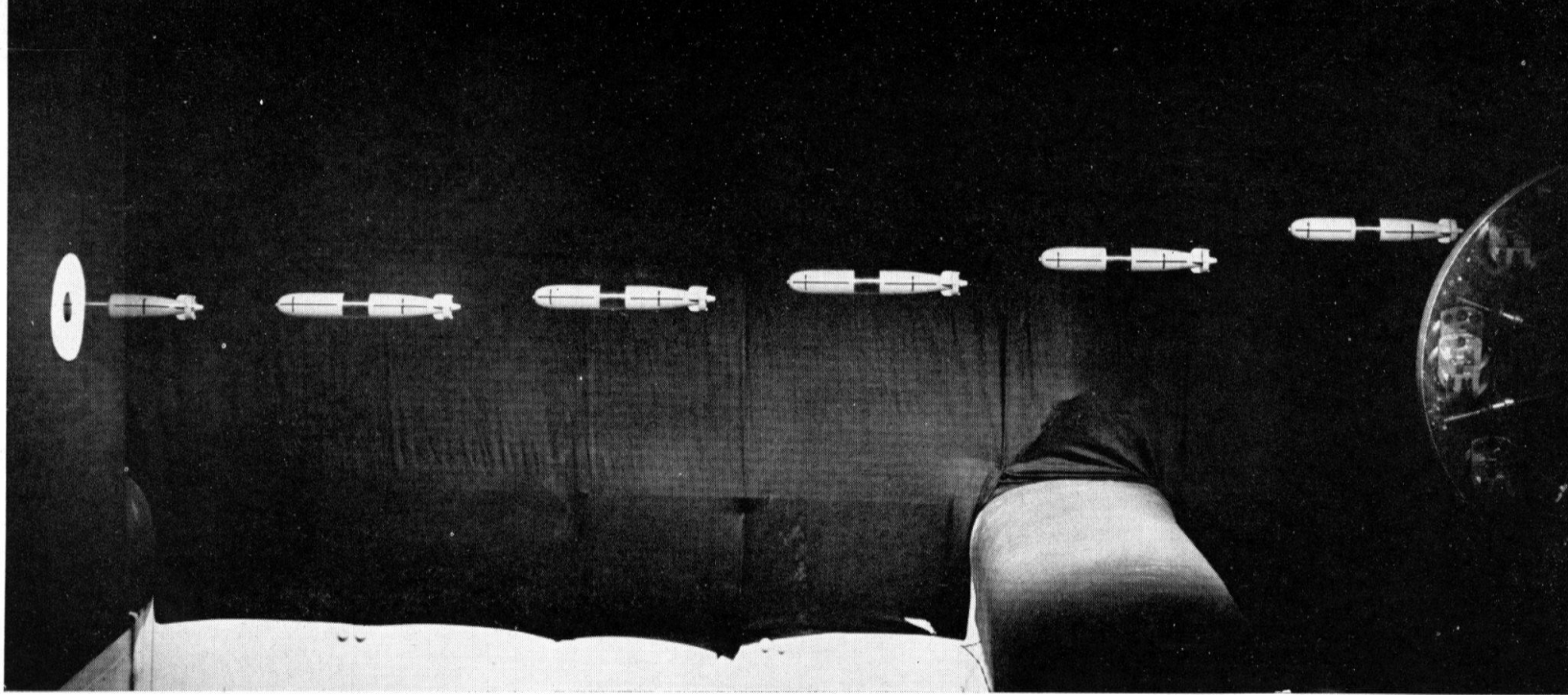
Robert K. Campbell Fleming

A Phys. Ed. major from way back, "Curly" kept up his standing while at Tech. One of the indispensables of the interhouse teams, he even helped further the cause as House athletic manager. The varsity track teams was another athletic activity of his. His itinerary past and future is—San Diego, CalTech, then a job, that is if the draft board doesn't have a "come hither" look.

James C. Collins Fleming

After being ridden out of Medford, Oregon on a rail, Jim came to Tech to grace the Drama Club and the interhouse swimming teams. Between these activities he filled his time dusting off magazines as House librarian and being head wire-splicer in the social committee. He is a staunch admirer of the female sex and anybody who can avoid work. After graduation he plans to make his professional debut as a handcuffed patriot in Uncle Sam's Air Force.





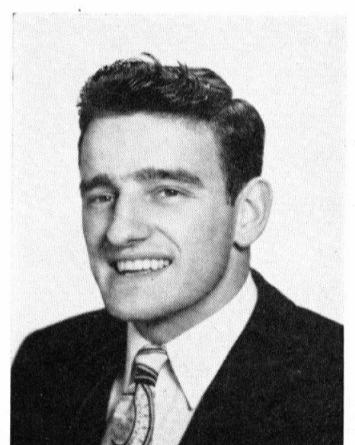
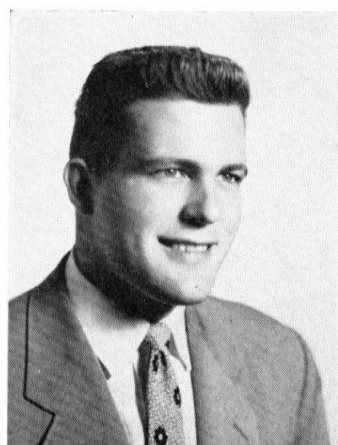
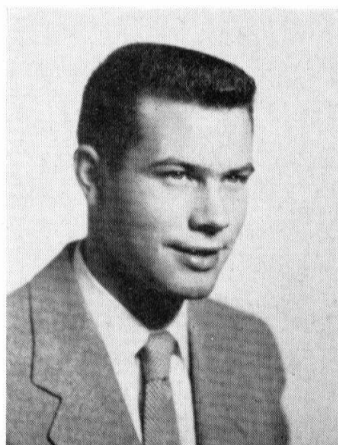
MECHANICAL ENGINEERING

Howard L. Crosswhite Throop
Originally of the class of "51", Linn was called back into the Air Force for his second tour of duty as a bomber pilot. A frosh numeral winner in tennis, he also was active in Throop's athletics. Photography and hi fi audio work take what time his wife and studies leave. Linn plans to work in the field of product engineering.

Charlton Dunn III Ricketts
Chuck hails from Long Beach, and is best known for the miracles he can work with Fords, tools, and his taste for speed. In his spare time he has also been known to play some interhouse football, and do a little studying. After Tech, a job beckons.

Fred Garrison Fleming, T²
Here is another lover of money—treasurer of his class as a sophomore and a junior, and of Throop Club. In addition to money, Fred is a great lover of physical exercise (it takes all kinds)—intercollegiate baseball, and interhouse sports of all kinds help provide this. Next year—he hasn't the faintest idea what he'll be doing.

Lee A. Henderson Ricketts, Honor Key, T³
Berkeley, California's gift to Tech, Moose entered immediately into almost every activity on campus. His impressive record of achievements includes the ASCIT presidency, frosh and soph class presidencies, letters in football and track, two honor keys, an honor certificate, and a wife. His future plans hang on the charity of the draft board.





Robert L. Smith Fleming, T

The drama held a strange fascination for "Smitty," his presidency and vice presidency of the Drama Club indicate some of his dramatic activity. In addition being social chairman of Fleming showed the social nature to our hero. He even has a love for water—a letter in varsity water polo plus the swimming team resulted from this great love. Like many others, he seems to think that grad school looks good.

Moses Lerner T³

Moe, from down Mexico way, came here with a guitar in hand and an interest in females to serve as an outlet for his guitar strumming. Since these aren't full-time occupations, he found time for soccer (co-captain in the senior year plus three letters testify to his success) and classical music. Grad school in jet propulsion here (sob) or elsewhere looks good to him.

Tom F. Movius Ricketts

Things that run have been a bug with Tom. Four successful years at Tech and extensive work with cars have made him an outspoken expert in auto mechanics. He also has been active in the SAE and ASME. His nose isn't always to the flywheel; Tom's an affable guy and a Ricketts Rowdy football star. A product of the Los Angeles High School, he plans to head to the armed services or McCulloch Motors after graduation.

Richard Hodges Fleming, T²

Whether on the football field or as House Constable ejecting an unruly diner in the dining room, the "Whale's" size was quite an asset. His two letters in track plus many interhouse sports indicate that he puts his abundant muscle to good use. This fugitive from San Diego has also helped the house as athletic manager, guiding the troops to the field as well as guiding them to better manners at meal time. Perhaps his interest in sailing will be of use to him next year as he lugs full pack and rifle down the dusty road.

John Lloyd Honor Key, TBPI, T²

Johnny's picture abounds in this "T" and will be lasting proof of his energy and friendliness. Active in twelve positions by his own admission, we know he has lent a hand to many more. President of Throop Club, Junior Class president, in Tau Beta Pi, vice chairman of ASME and a track letterman to name just a few, Lloyd is the epitome of that elusive character, the well rounded Techman. He is planning to return to CIT next year for more.

Hans C. Mol

This immigrant from the land of the big tulips learned his excellent English working in an amusement park. As a result of this he speaks better than most. Among his other accomplishments, he is a wheel in the ASME. In June he'll get a job.

Al Pitton Fleming

A versatile retreat from the class of '53—was House social chairman, chairman of the student branch of the SAE, and worked at varsity swimming and water polo. In addition he managed the baseball team. His love of water was obtained by 3½ years in the Navy, and Al was one of the unfortunates to be called back in to serve a year in the Korean war. After graduation he wants to "go out into the hard, cold world and maintain as high a living standard as possible."

Richard E. Hyde

Dick Hyde, a graduate of John Marshall High in Los Angeles, avows two interests; the sea, and mechanical engineering. An admirable performance on water skis, and considerable boating experience testify to the former, while four years at Tech and active membership in the ASME, of which he became secretary in the senior year, are evidences of the latter. He plans to follow through with graduate study here at Tech.

Robert Lynam Fleming, Honor Key, T²

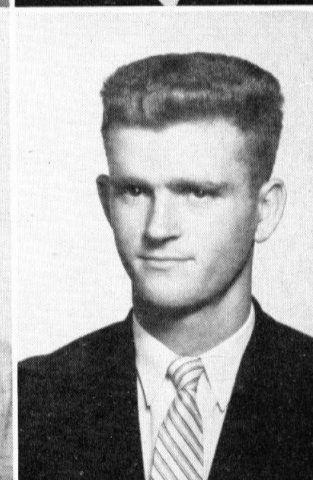
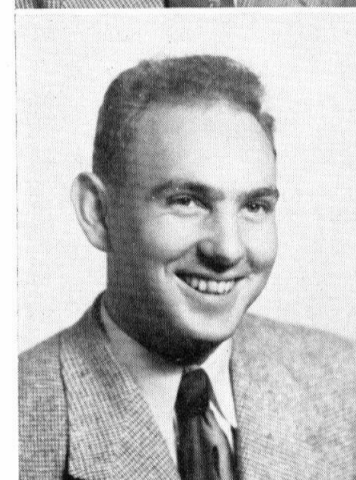
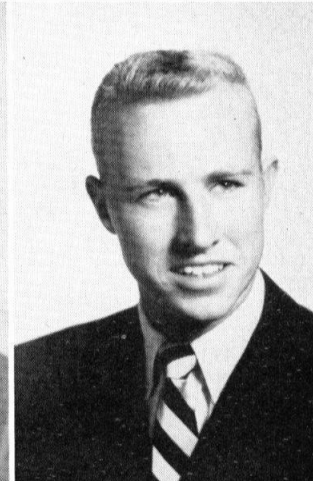
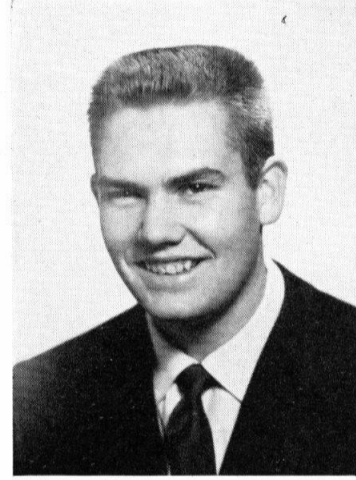
House social chairman, 1st rep., yell leader, as well as membership in many interhouse and intercollegiate athletic teams, are activities which help make Bob one of the more active members of the Senior Class. As head of Fleming's ill-famed "Waiter's Union" he made the troops toe the line and "eat it faster." El Segundo's contribution to CalTech is doomed—the Air Force and marriage claiming him next.

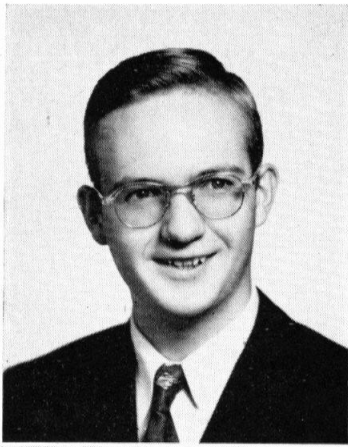
John J. Peyton Blacker, T²

This Glendora cap, an ME and activities major, has fought off boredom by holding offices — ASCIT, 1st rep., and frosh class veep—by participating in numerous activities—varsity soccer (two letters) ROTC (outstanding cadet of 1953) SAE, ASME, and Sailing Club—and by dutifully pursuing his hobbies of sailing, surfboarding and women. He'll join the Air Force in June.

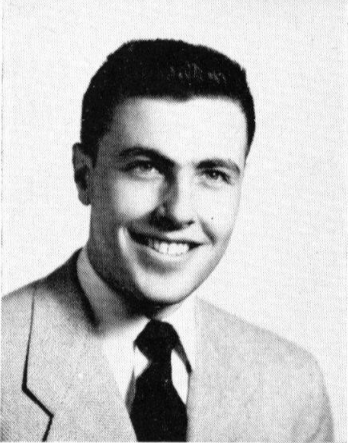
Ronald Saliba Fleming, T

Tournament Park was a frequent hangout of this athlete. Whether it was varsity football or the endless variety of inter-house sports, you could always see the "A-rab" giving his all. This North Hollywoodite will be working next year, either at engineering or at gold-bricking in the service.

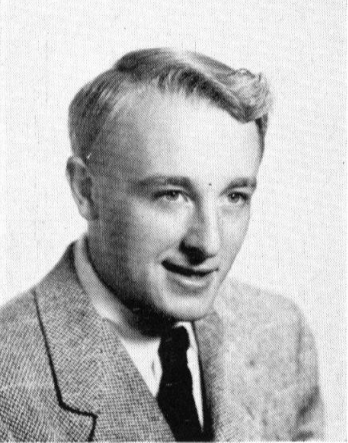




Cornelius V. Sundt **Ricketts**
 From Las Vegas, NEW MEXICO, where he graduated from Las Vegas High, came Two-second Sundt, the star of Ricketts' crew teams. When not out crewing for the greater glory of Ricketts, Neil has been active in the Sailing Club, the band, and the Institut-ers.



Simon Tamny **TBPI**
 Best known for his pipe, his grin, and his G.P.A., Si has spent four years successfully proving that scientists aren't the only ones with brains. The principal activities of this native son have been membership in TBPI, ASME, and the Musicale. Grad school next, Uncle Sam willing.



Don Turcotte **Fleming, T³**
 The only thing chased by Don, besides a high GPA, in his stay at Tech was a golf ball—the highest purity score in Fleming testifies to this. In addition to the golf team, he found time to be sports editor of the California Tech. He hopes he'll have enough time left over from golf to attend grad school next year.



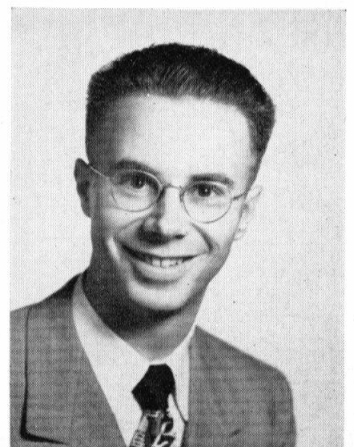
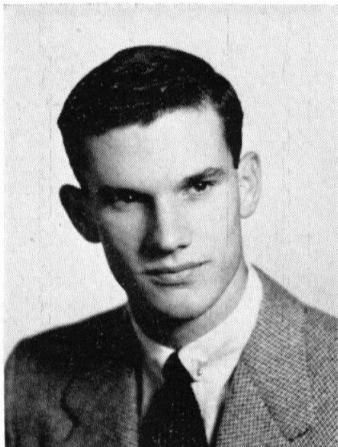
MECHANICAL ENGINEERING

Thomas J. Tyson **Ricketts**
 A PCC graduate, Tom decided to move down the street to CalTech. While here he has served as Ricketts social chairman, sailed with the Varsity Yacht Club, and been active with the Tech chapter of SAE. After graduation Tom plans work.

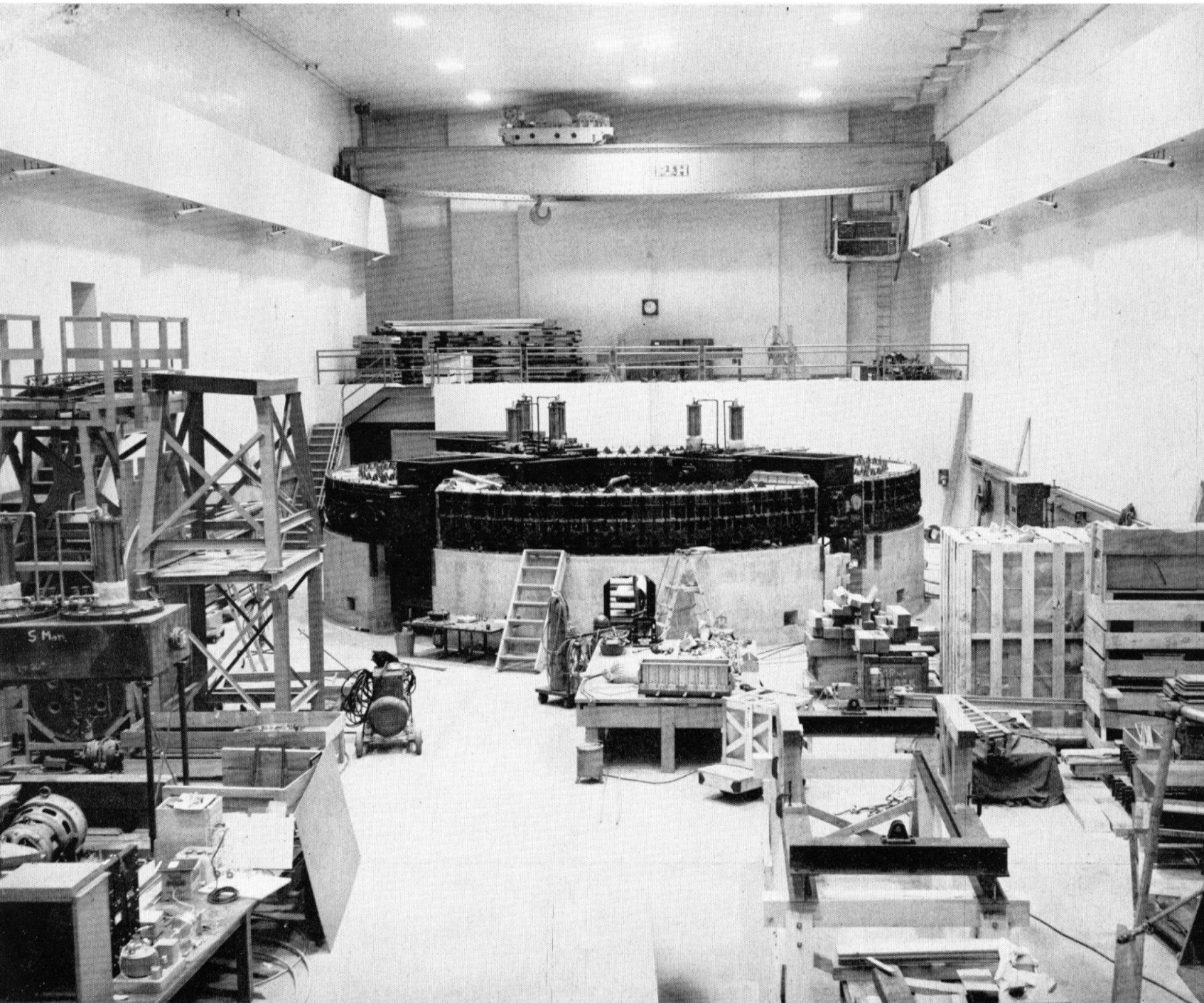
John Wall **Ricketts
TBPI, Honor Key**
 Co-ed-in-chief of the California Tech, secretary of the interhouse committee, student day chairman, political whip of Ricketts, Beaver, Tau Bate, and three year manager of football, are some of the activities which have made Mr. W. a big man on campus. This distinguished gentleman calls Wichita, Kansas, home. Grad school is next on the agenda.

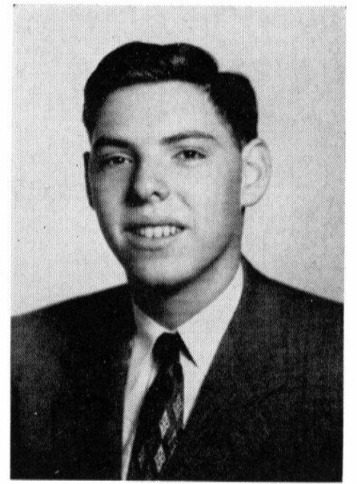
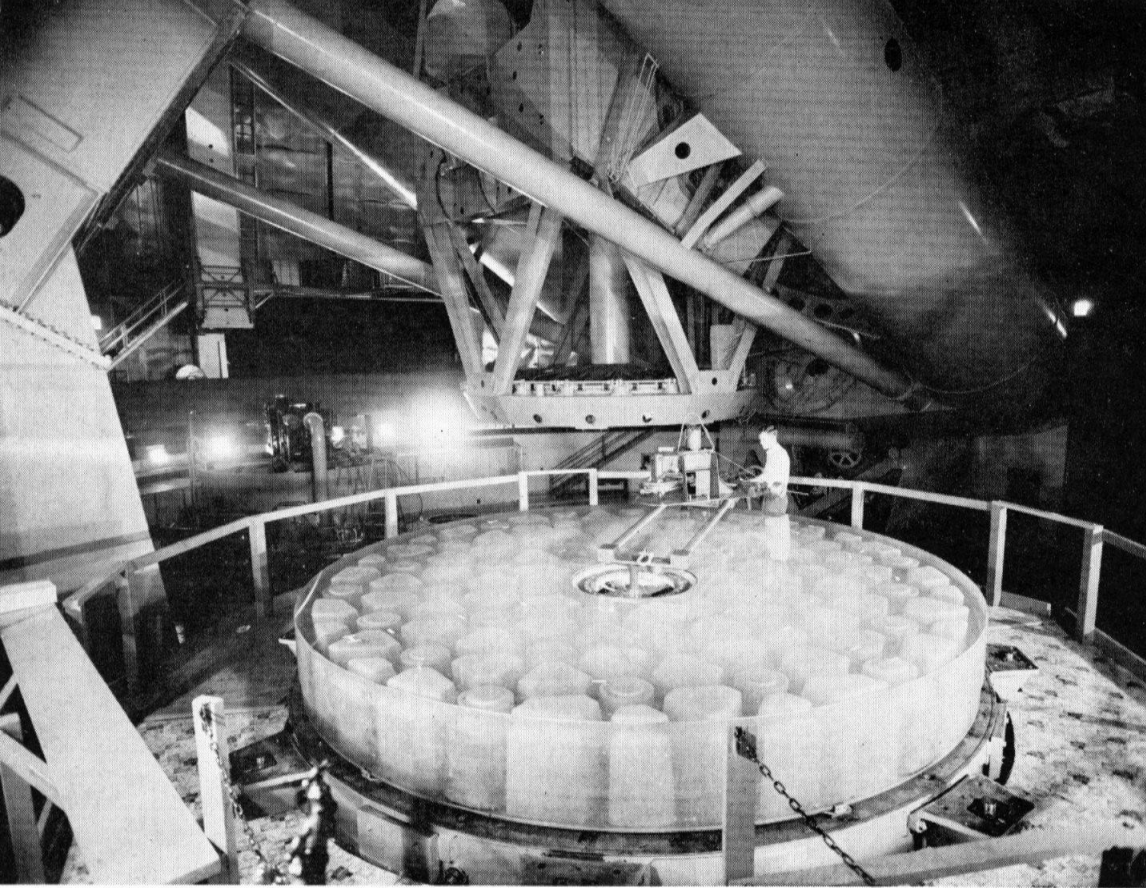
Bruce Watkins **Ricketts, T²**
 Work is on the agenda for this local golf pro upon graduation. In the past four years this lad, a Fairfax High graduate, has kept boredom away, by such activities as varsity golf, Beaver president, Board of Control, and ASCIT second rep.

Gordon L. Zentner **Dabney**
 Gordon's contributions to the world of sports include interhouse tennis, and in other fields he was a member of Instituturs, student shop, band, glee club, and musicale. The other house members stood in awe of his skill and dexterity as a locksmith and lock picker. Realist Gordon is leaving all of his future cares in the hands of Uncle Sam.



PHYSICS





George A. Baker, Jr. Dabney, TBPI

Any musical activity on campus was likely to find Cookie in its midst. His campus activities include band, glee club, and the musicale, all topped off with a Tau Bate key earned while maintaining honor standing year after year. The main feather in his cap is standing in the top ten in the 1953 Putnam Intercollegiate Mathematics competition. Tech's loss is to be UC (Berkeley)'s gain.

PHYSICS

Jack Chow Ricketts

As senior class athletic manager and rear commodore of the Sailing Club, Jack has been active during his years here at Tech. He played Junior Varsity basketball for one year and varsity basketball for two years, besides being on the Sailing Club's yacht racing team. Jack hails from Los Angeles and went to high school there.

Paul Concus Dabney, TBPI

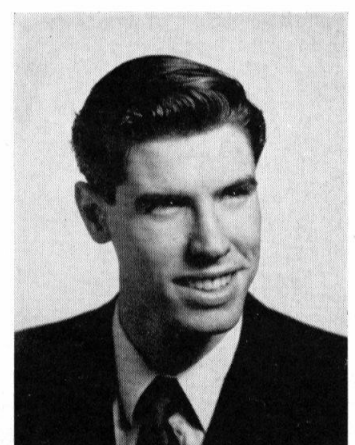
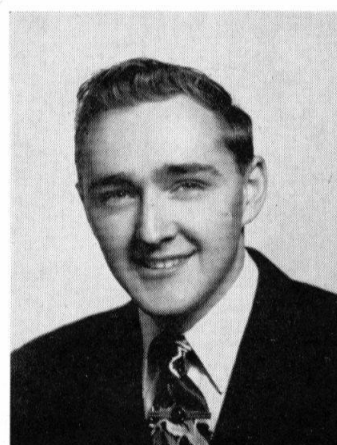
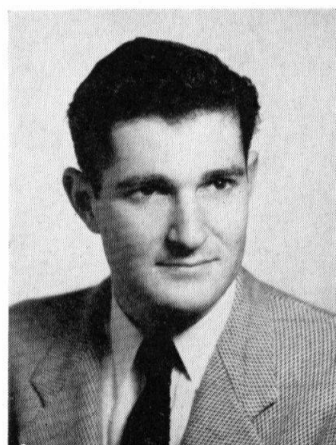
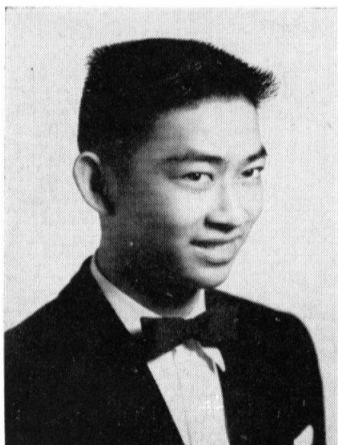
Graduation should finally rid our alma mater from Paul's corrupt two-year reign as election committee chairman. He kept up a clean front through his activities as honor student, TBPI secretary, IRE and band member, and Dirtiest Man in the Student Houses, a respected Dabney office. Now Paul plans to journey off to Harvard for grad work in physics.

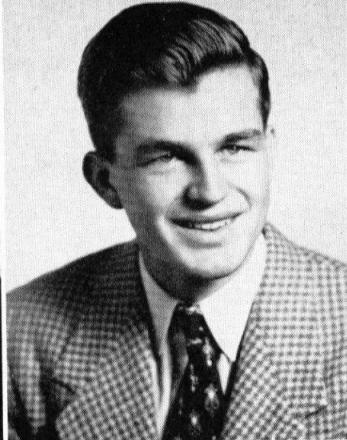
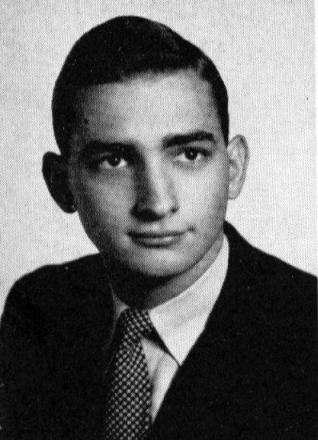
John C. Day

A local boy, John comes from John Muir here in Pasadena. Designer of the CalTech shoulder patch, he rose to the rank of cadet major in the AFROTC. John's outside interests include astronomy, radio and music. He served as an officer of the Musicale. The future holds marriage, the Air Force, and a job, probably in that order.

William E. Dibble TBPI

Bill comes to Tech from Hoover High in Glendale. He is very active in debating, serving as vice president of Pi Kappa Theta, the forensic fraternity. He achieved a second in the McKinney prize in English, honor standing, and election Tau Beta Pi. Bill's future plans include, draft board willing, graduate school next year.





Terrell W. Feistel **Dabney**
 Things were never dull in Dabney with Terry around. He will always be remembered for his lost toenail clippers and his championship hog-calling. His dexterous waiting earned him the title of Dammdest Waiter in the student houses. A member of the CalTech Christian Fellowship and student shop, Terry plans for "grad school in aeronautics, if compatible with draft board."

Ronald Fuchs **TB Pi**
 Ron is a local boy from Altadena and John Muir. An outstanding student, Ron has consistently been first or second on the honor standing list and is a member of Tau Beta Pi. Radio, hiking and the CalTech Glee Club take care of any spare time. As expected, Ron plans graduate work.

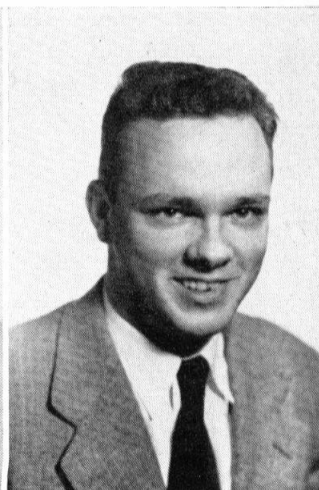
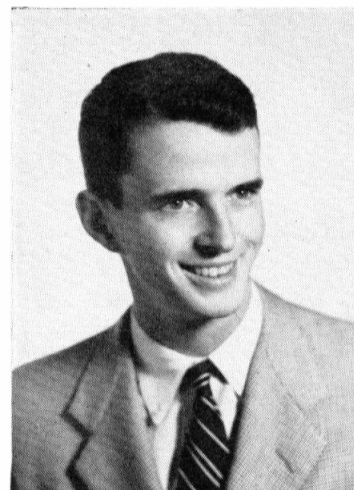


Ralph D. Handen **Fleming**
 An active man about campus, Don is far from being the typical snake. After living down the "Stationery Scandal" as House treasurer, he moved up to the presidency of Fleming. In addition, membership in the Beavers, Instituters and the CalTech Christian Fellowship, as well as in many interhouse teams served to round out his activities. This Missourian hopes to enter the Fuller Theological Seminary, providing the military doesn't beckon.

George L. Johnston
Ricketts, TBPI, Honor Key
 A product of Loyola High in Los Angeles, George has kept himself occupied by serving such organizations as the ASCIT, as vice president, secretary, and Board of Control member. The Newman Club, the Beavers, and TBPI. He has also found time to maintain a disreputably high GPA. Law school is next.

John Kidder **Fleming, T.**
 A debonair Easterner from Concord, Mass., "Kiddah" is a good example of a well-rounded Tech Man. Vice president of Fleming and of his class, plus membership in the Beavers gave some polish to his social graces. Varsity football and membership in many Big Red teams show him for the man of action that he is. His concern over "those crooks in Washington" led to many a violent bull-session. Next year he will be playing first swabbie on Uncle Sam's team.

Ronald A. Korsak **Fleming**
 The "Loogan," arriving at Tech from Oceanside via Michigan, spent whatever free time he had fishing or hunting (for what is not specified). Although Uncle Sam's militia has first claim on him, Ron says his great desire in life is to leave the brown hills of California and physics and head for Canada and Alaska to spend much time hunting or fishing.



Walter W. Lee, Jr. **Blacker**
 The physicist from Coos Bay, Oregon (the hub of the universe and envy of the So. Cal. Chamber of Commerce) has spent much of his spare time as a writer, swinging between the editorship of "Pendulum" and the "California Tech." Motion pictures fascinate this Pogo fan, and at present he almost knows more about UPA than they do themselves. Feeling that four years just weren't enough, Walt will go on to grad school in physics.

Arthur E. Miller, Jr. **Blacker, T³**
 Originally class of '51, Art spent two years with the Army. Active in sports he has won three letters in football and two in track. He served Blacker as athletic manager and the ASCIT as chairman of the dancing class. Electronic development work in Southern California represents Art's preferred future.





Philip D. Miller **Dabney**
 Married on graduation from Albuquerque High School, New Mexico, Phil spent his freshman year in Dabney. Since then he, his wife, and recently their son have been among the most gracious hosts on campus. An avid ham, president and trustee of the Radio Club, and member of the IRE, Phil plans graduate school next year.

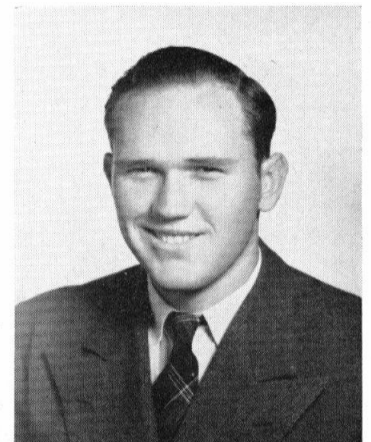
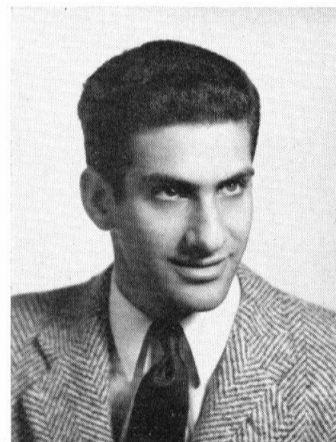
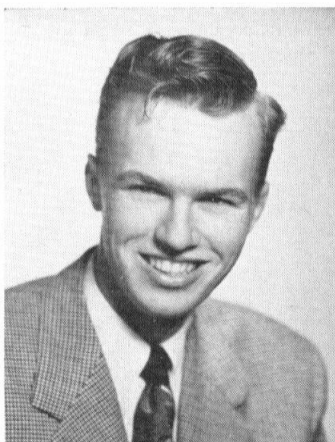
PHYSICS

James Pinkerton **Fleming**
 This lanky mathematician, with the "lean and hungry look" amused and intrigued the house members, judges, and many others with his unusual wit and humor. As vice president of Fleming, his introductions of the house guests were good examples of this—several of the guests will long remember him. His goal in life is one of the finest in the senior class—to go to the South Seas and be a bum.

Phillip D. Potter **Fleming**
 From Punahou High School in the beautiful, romantic isles of Hawaii to the smog-shrouded ice-plant of CalTech is the sad journey of this boy. Interhouse and Intercollegiate tennis with frosh and JV letters provided some relief from the smog and woe. His love for photography and hi-fi provided some other diversion during his stay here. But saddest is his desire to enter grad school—here.

Leon Shameson **Blacker**
 Santa Monica's mad physicist has made a great contribution to Tech life by his active support of the "Y" and the film classics. Having walked calmly through the physics options toughest courses, and being a glutton for punishment, he plans to continue in graduate school.

Neale Smith
 Tech is just the home town school to Neale who calls Pasadena home. What time studies can spare is spent dabbling in history, Spanish and hiking. These interests took him 18,000 ft. up Popocatepetl in Mexico. A bike trip across Europe last summer and the Army in June provide adventure. Later he plans grad school.

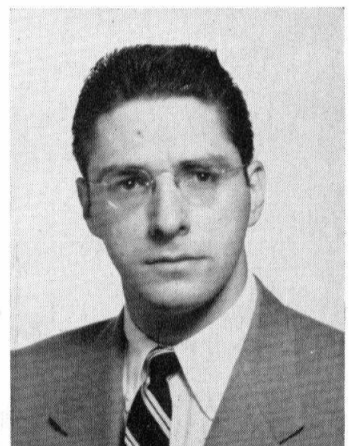
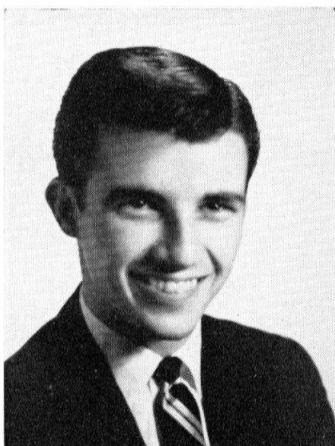
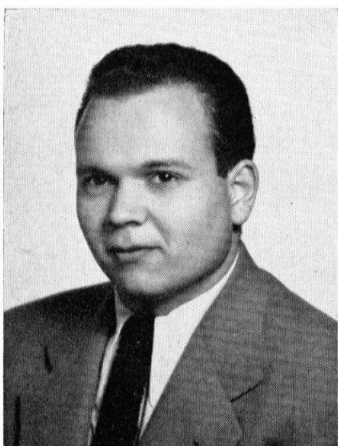


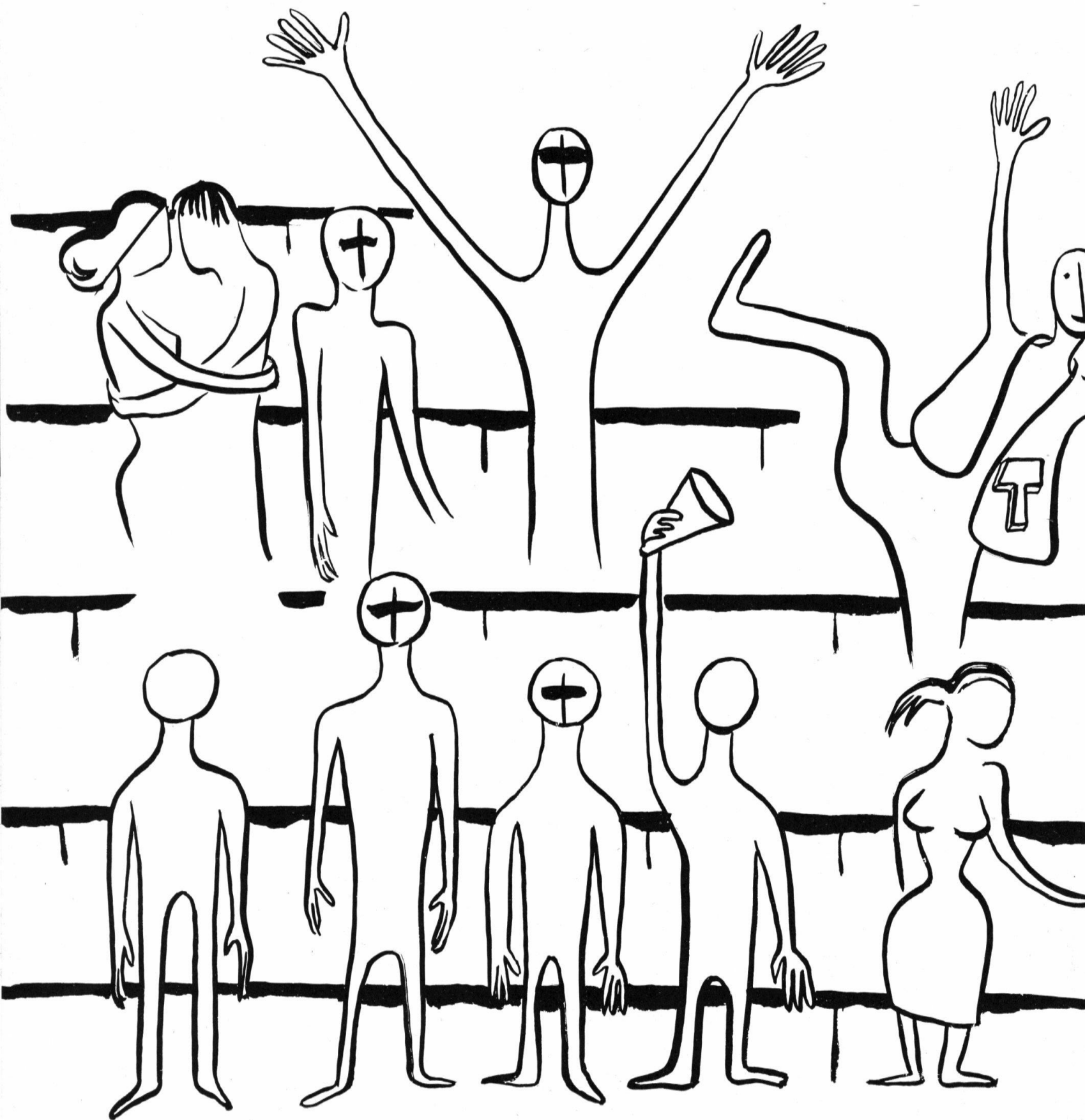


Robert C. Speiser Throop, TBPI
 Bob came to Tech from Morsey High in Los Angeles. Although commuting daily from L.A. he may be found playing bridge in Throop Club almost any noon. Music, photography, and electronics take what time studies can spare. In the academic field he has won honor standing and election to Tau Beta Pi. Bob's future plans include grad school at Columbia.

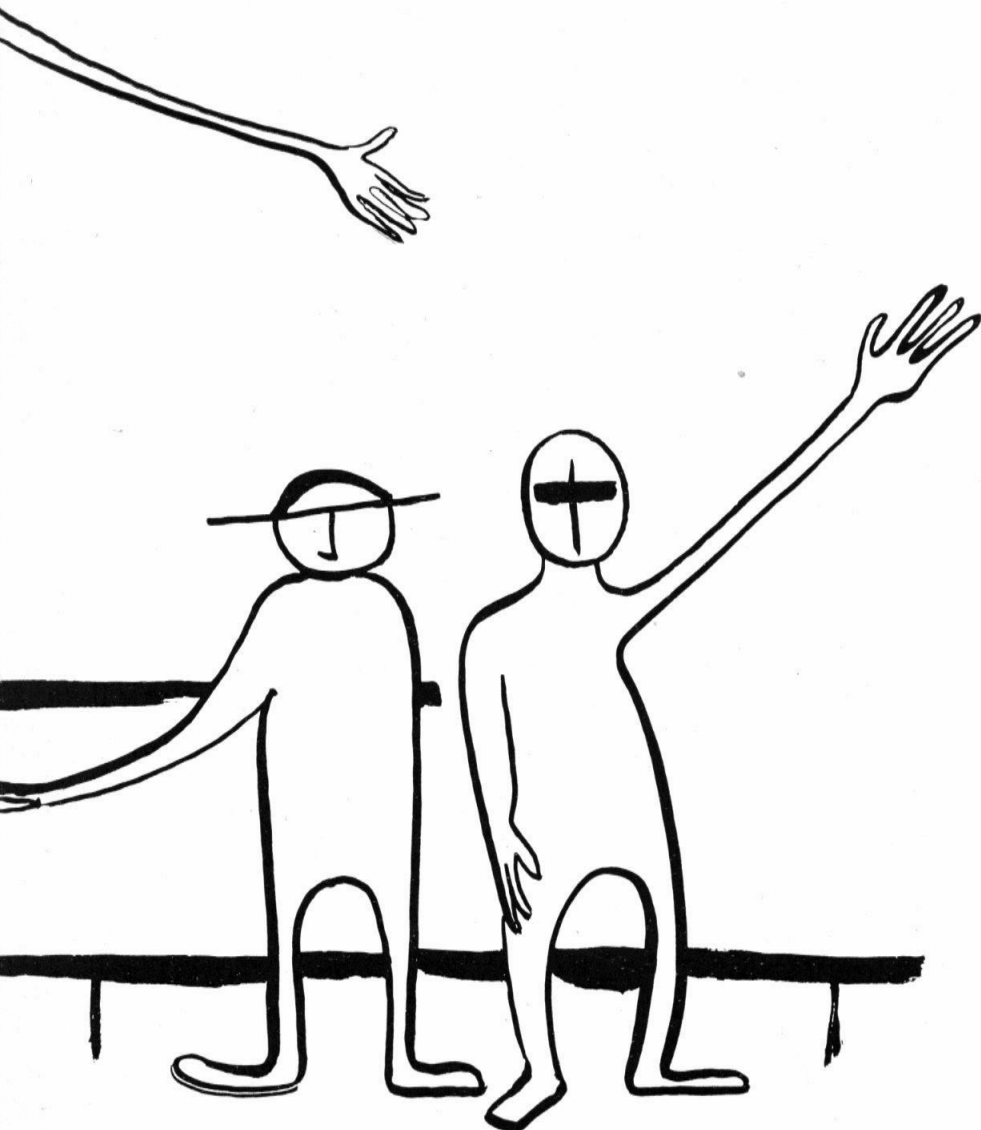
Gerard van Hoven Fleming, TBPI
 With a shifty, thorough hand, Van juggled the books as ASCIT treasurer with a deftness that would put Huey Long to shame. The presidency of the Newman Club and membership in Tau Beta Pi help atone for his work as treasurer. A feature of his, unusual at Tech, was a dapper, well dressed appearance. Next year, like so many others, it will be grad school.

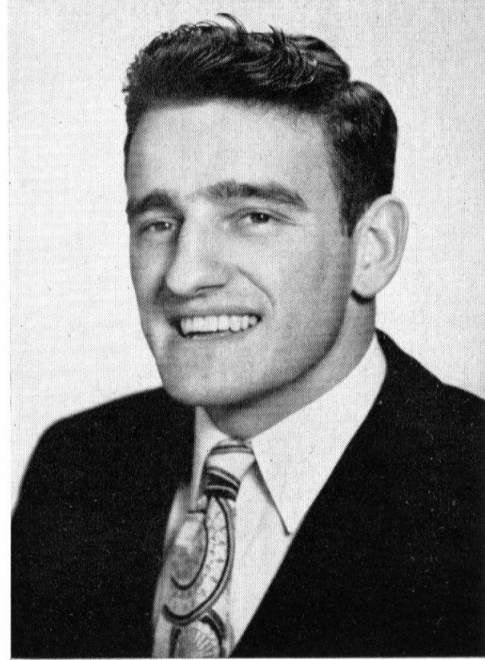
Sam Vodopia Ricketts
 Big Sam has certainly left behind him a record that the folks back in Pedro can be proud of. Besides serving as Ricketts executive vice president in his senior year, he did time on the Board of Control, lettered in frosh football and track, held a class office, and was a member of Beavers and IRE. After graduation Sam will go reluctantly to work.





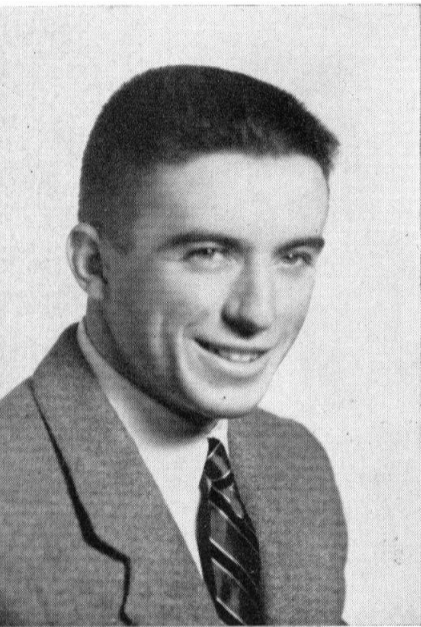
ACTIVITIES



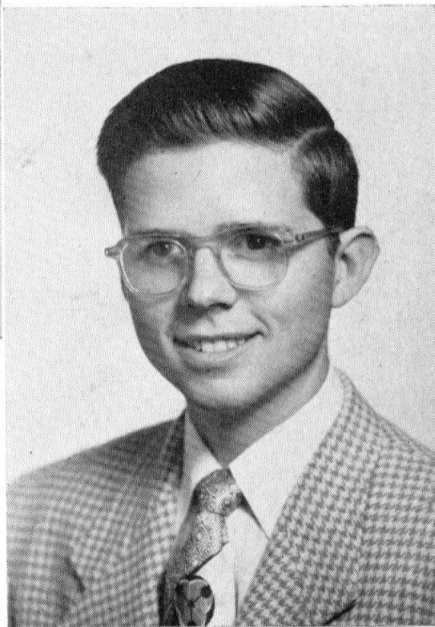


Lee Henderson
President

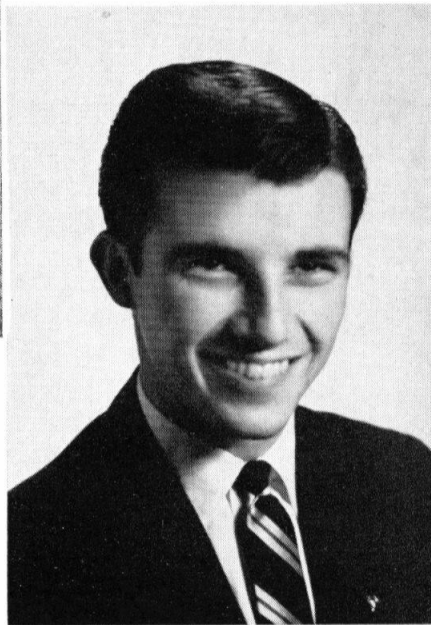
George Johnston
Vice President



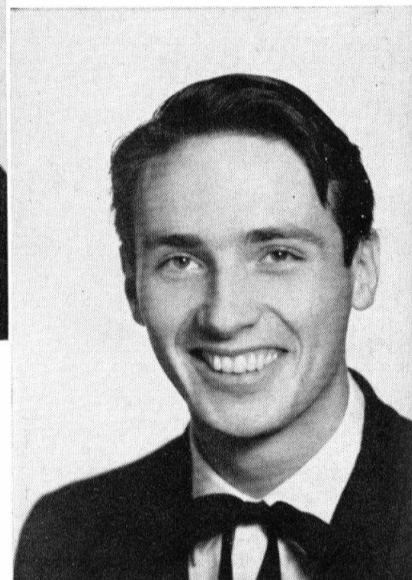
John Merrill
Secretary



Gerard Van Hoven
Treasurer



James Adams
Publicity Manager





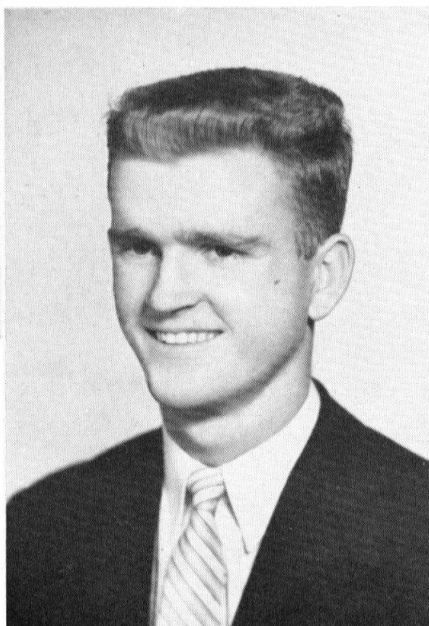
ASCIT

BOARD OF DIRECTORS

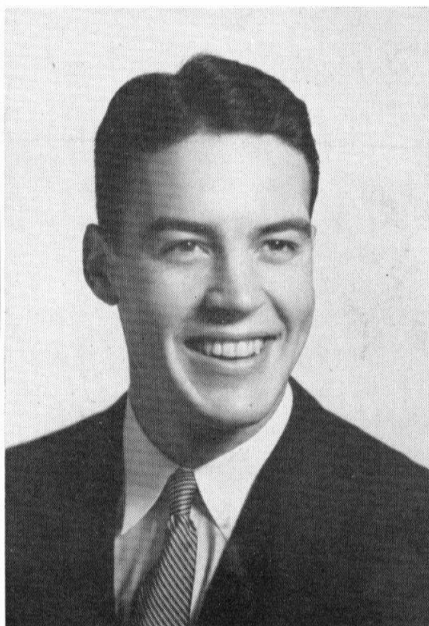
Bruce Kaiser
Athletic Manager



John Peyton
First Representative

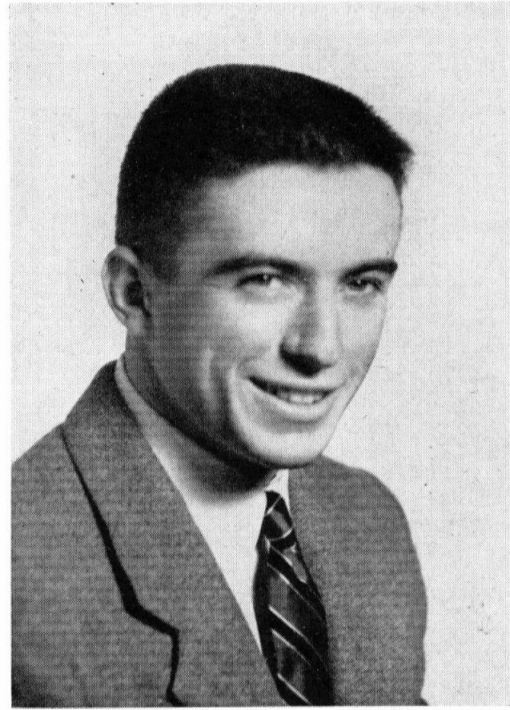


Fritz Trapnell
Second Representative



Ted Johnson
Rally Commissioner



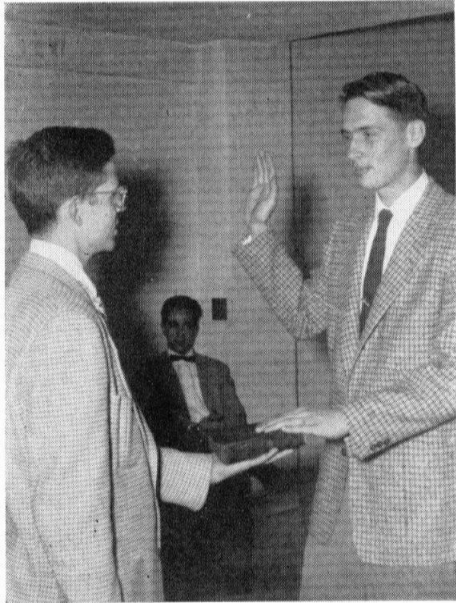


George Johnston
Chairman

BOARD OF CONTROL

Back Row: Bill McDonald, Rube Moulton, Bill Autrey, Lyman Fretwell, Howard Berg, Bruce Kaiser, Vince Marinkovitch. Front row: "Moose" Henderson, John Merrill, Al Helgesson, George Johnston.





President elect Jim Adams being sworn in by
John Merrill

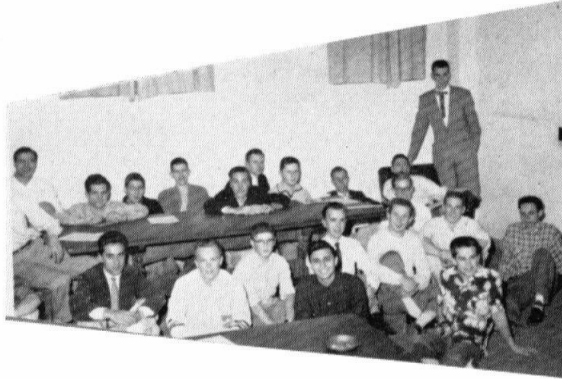
NEW OFFICERS

Bill McDonald, 2nd Rep.; Vince Marinkovich, Vice Pres.; Fritz Trapnell, Publicity Manager; Bob Kausen, 1st Rep.; Jim Adams, President; Phil Conley, Athletic Manager; Ted Johnson, Secretary; John Harford, Rally Commissioner; Howard Berg, Treasurer.



ASCIT ELECTIONS

BEFORE



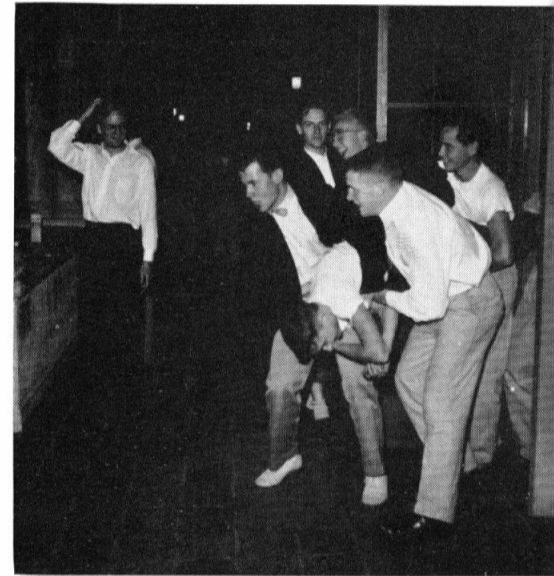
DURING



CANDIDATES

Clockwise, starting at upper left: Mike Bleicher, Ray Orbach, Tom Bergeman, Lyman Fretwell, John Lansingh, Bill Purves, Frank Kofsky, Lewis Fletcher, Don Kausen, Sam Phillips, Phil Conley, Bob Phelan, Jim Lewis, Jerry Swedlow, Bob Chambers, Ray Virzi, Bill McDonald, Curt Schulz, Vince Marinkovitch.

AFTER



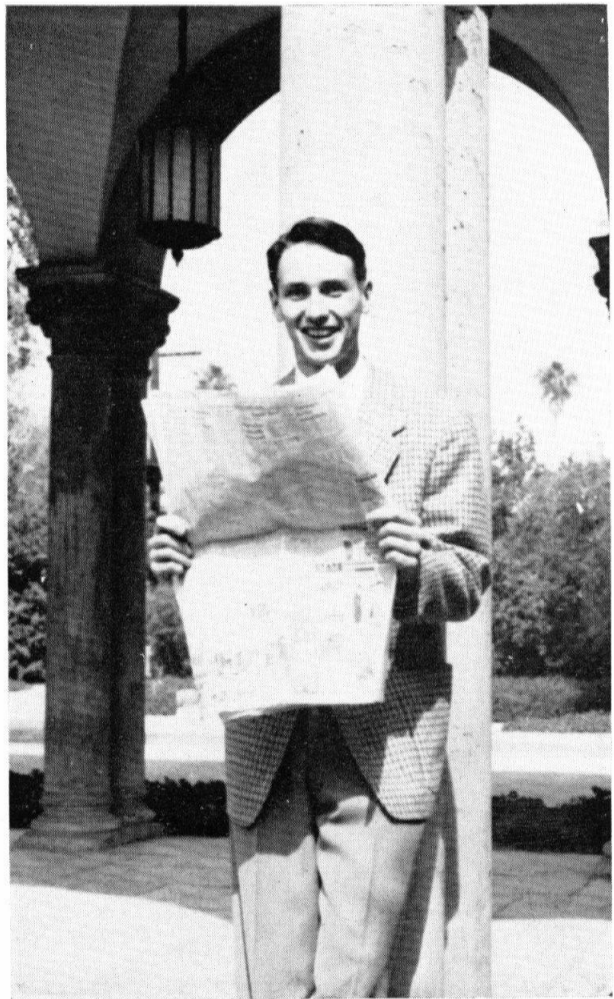
Election Committee



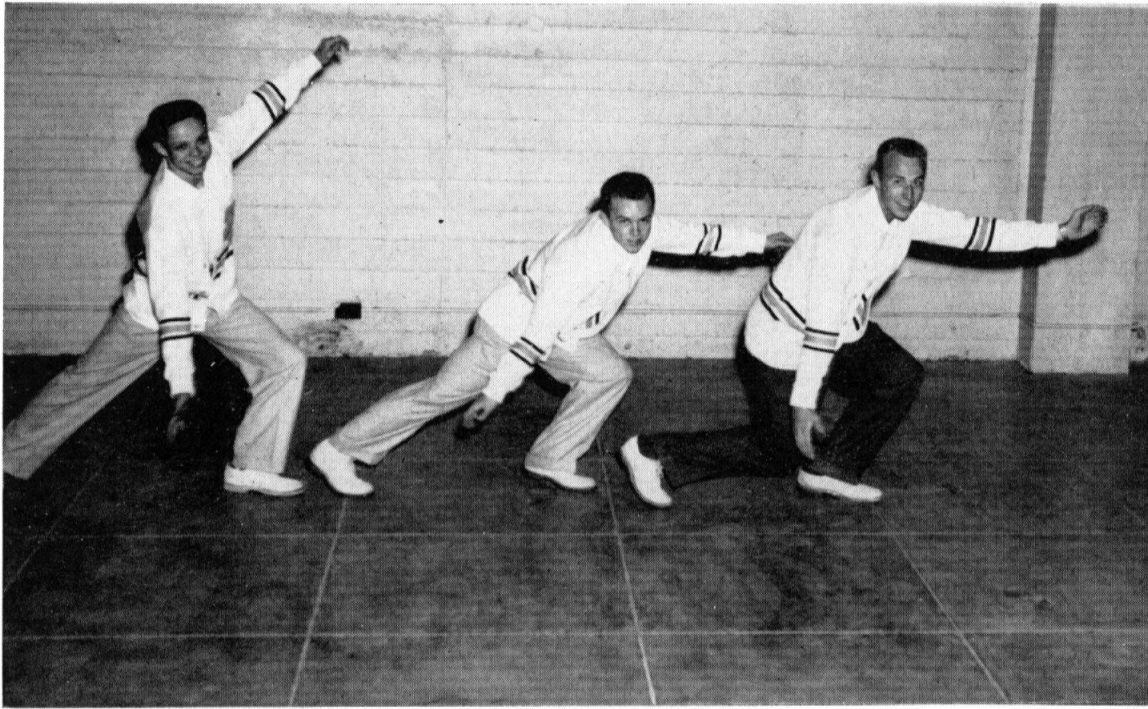
Dick Johnson, Paul Lindfors, Barry Raleigh, Ted Johnson. Missing: Craig Elliot.

RALLY COMMITTEE

ASCIT PUBLICITY



Jim Adams



Bob Phelan
Curt Schulze
Bob Lynam

CHEER LEADERS

SONG LEADERS



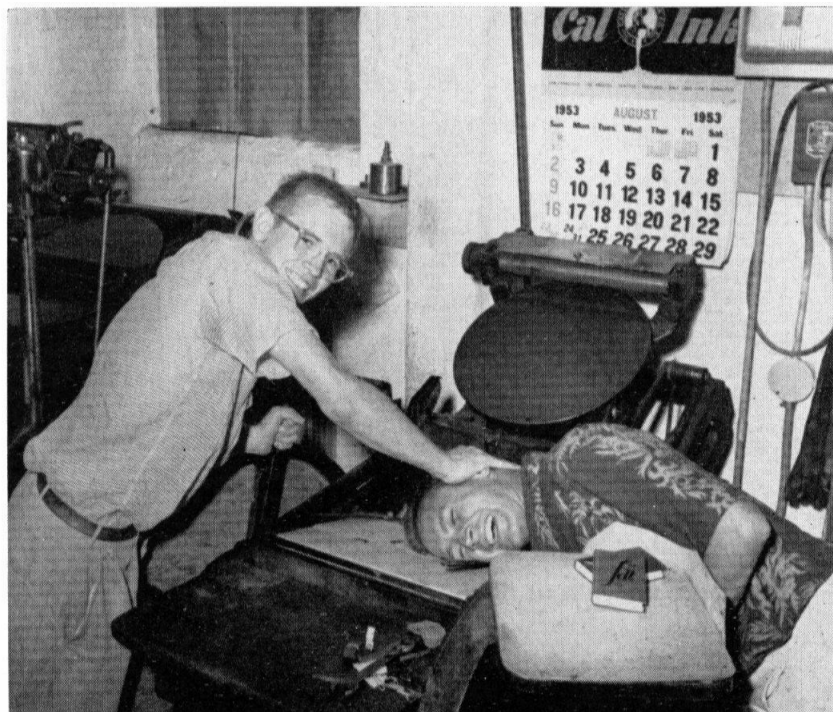
Lila Blumer
Chick Martin
Mary Ellen Seifert



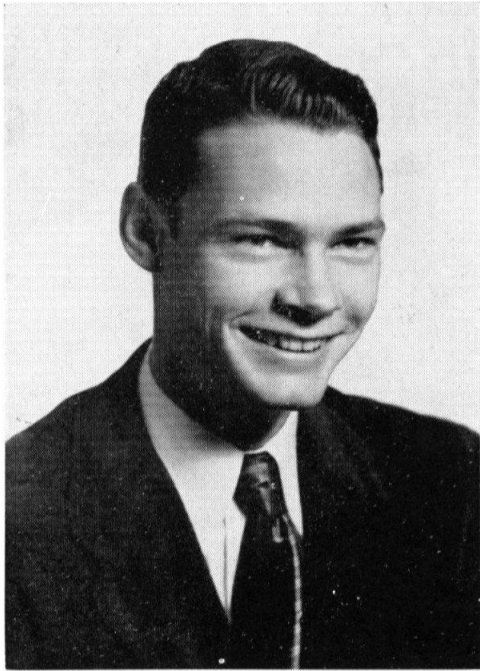
Walt Lee, Chuck Bodeen, Mike Boughton, Bill Barlow

PENDULUM

LITTLE T



Byron Johnson
Chuck Benjamin



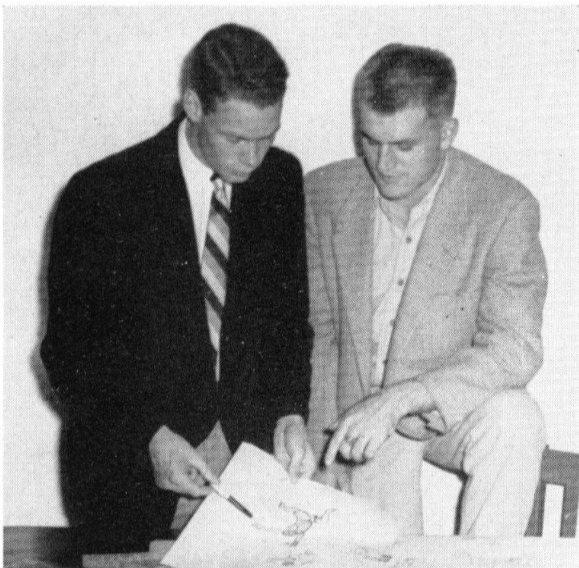
Rod Supple: editor

The BIG



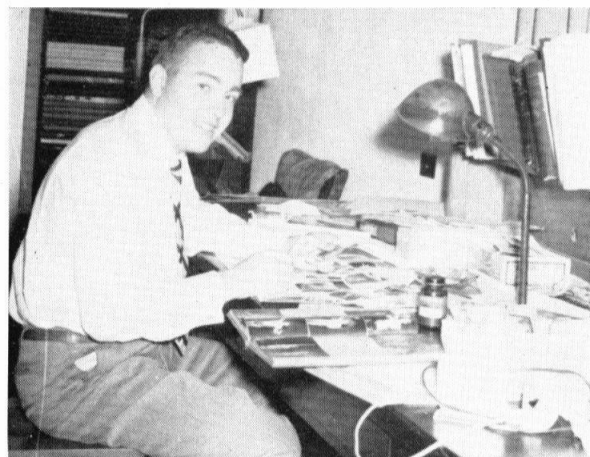
Photog Louis Soux and photo editor, Mike Boughton

Rod Supple and art editor, Dave Workman





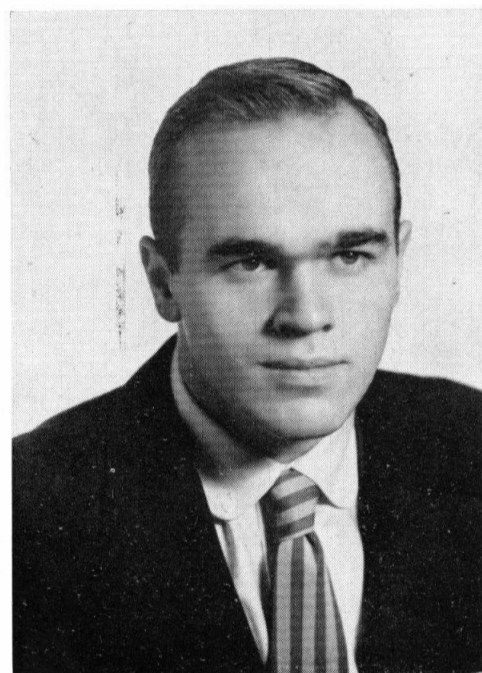
Chek Beuf, Ron Ratney, Van Bluemel



Ray Grieser: sports

T

George McDonald: business manager





Editors

Jim Crosby

John Wall

Standing: Dick Hundley, Gordon Reiter, Lyman Fretwell, Bob Ryle, Marty Tangora
Sitting: Tom Bergeman, George Patraw, Don Turcotte.



Stan Grotch, Jim Lewis, Gordon Reiter, Bob Moore, Marty Tangora, Tom Bergeman, Ross Brown, Lyman Fretwell, Jim Crosby, Arne Kalm, Bob Ryle, Darrell Fleischman, Alan Joncich, Dick Hundley, Walt Haenggi, Dave Tansey, Don Turcotte, Herb Rausch, Walt Lee, Sam Phillips, George Patraw, Jan Arps, Byron Johnson, John Wall.

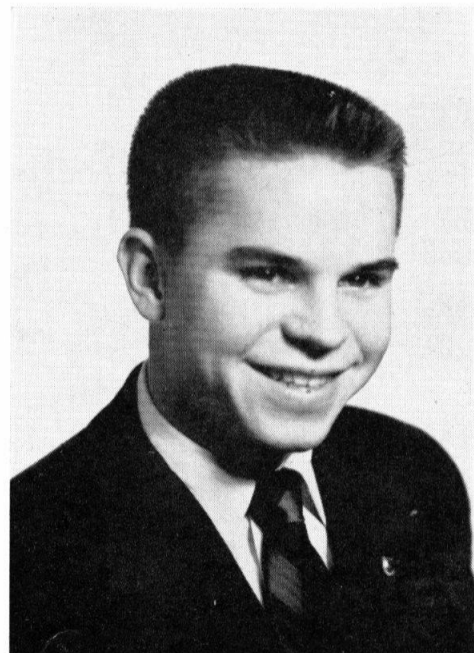


CALIFORNIA TECH



Jim Crosby, Lyman Fretwell,
John Wall, Tom Bergeman

Jim Lewis
Business Manager





HONOR KEY COMMITTEE—John Peyton, George Johnston, Fritz Trapnell.

HONOR KEYS

Bill Autrey
Al Helgessen

Mike Boughton
Lee Henderson
John Merrill

Ed Bryan
Don Hook
Rod Supple

Jim Crosby
Ted Johnson
Fritz Trapnell

Frank Dryden
George Johnston
John Wall

Lyman Fretwell
John Lloyd
Blake Wallace

Ray Griesser
George McDonald





Standing: Bruce Kaiser, Prof. J. Kent Clark, Jerry Van Hoven, Don Hook, Ralph Miles, Jim Adams, John Lloyd, Fritz Trapnell, George Johnston, Col. Small, Dean Eaton, "Moose" Henderson, John Kidder, Prof. William Corcoran, Prof. Rodman Paul. Sitting: Jim Crosby, John Merrill, John Peyton, Bob Lynam, John Wall, Don Handen. Kneeling: Rod Supple, Dave Workman, Bill Autrey, Frank Dryden, Sam Vodopia, Vince Marinkovitch, Al Helgesson.

BEAVERS

Only part of the Beaver's achievements can be expressed adequately in words. They managed another successful Frosh Camp and spread the word about Caltech to high schools in the vicinity through their high school visitation program directed by John Merrill. The Beaver meetings at faculty members' homes have continued to provide an effective informal liaison between the students and faculty.

By far the most important task of the Beavers is improving that greatest intangible, School Spirit. It is of course impossible to say how successful they have been at this during the year.



Don East, Barbara Frailey, Gillian Fine, Shirley Jocelyn, John Holland, Roy Paul, Bob Ryle, Marvin Bienstock, Herb Rauch, Don Seldeen, Bob Ryan, John Bailey.

LIGHT UP THE SKY

The ASCIT Play



Alan Joncich, Rube Moulton, Mike Bleicher, Jim Short, Myron Black, Ray Orbach, Herb Rauch, Bob Ryle, Gary Boyd, Bill Lindley, Bill Dibble, Prof. Lester McCrery. Missing: Don Meyer, Marty Tangora, Gene Barnes, Jim Enright, Leon Keer, John Young.

DEBATE

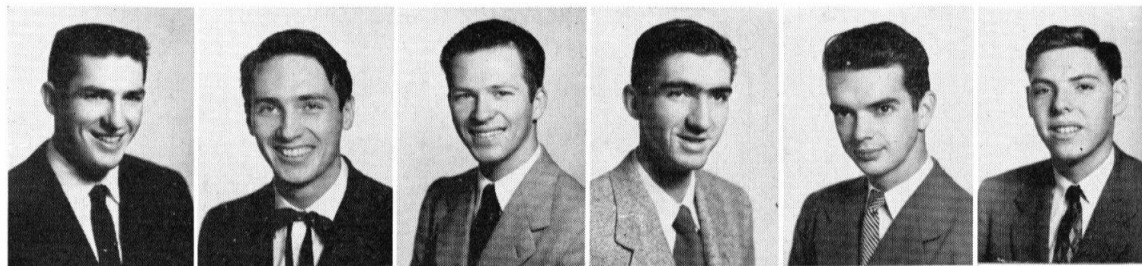
The 1953-54 forensics season at Caltech was the best in our history. A total of 18 students saw through the various tournaments and speech contests which were carried on. There were twelve separate intercollegiate contests during the year, and Techmen established creditable records in all. Again, as last year, Tech debaters came away with the greatest number of undefeated teams at the annual Los Angeles City College tournament in the fall, emerging with three. At the Santa Barbara Speech Events tournament, also in the fall, Techmen collected five certificates of Excellence. At the Western States tournament held at Fresno, Tech's frosh team, Moulton and Bleicher, grabbed third place in Lower Division. At the Caltech annual championship tournament, Orbach and Ryle took first place in Lower Division, and the team of Tangora and Barnes took first place in Class B. Other tournaments at which Techmen garnered certificates and other awards included Pepperdine, UCLA, Claremont, Occidental College, the Pi Kappa Delta tournament at Stockton, and the pentathlon at USC.



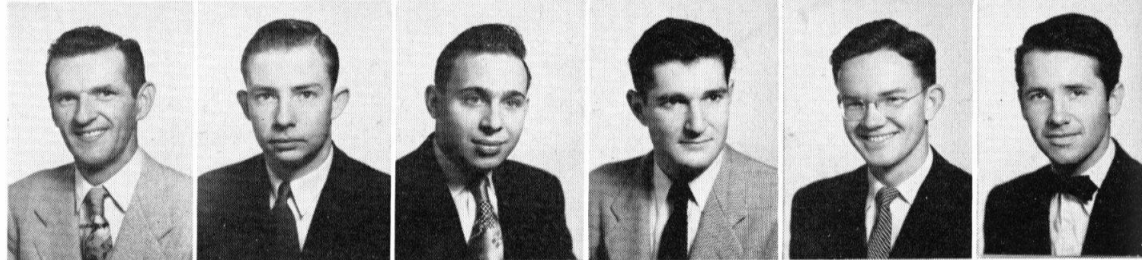
OFFICERS—John Abbott, Jim Crosby, Paul Concus, Gary Boyd, Benji Rosen, Will Richards.

TAU
BETA
PI

John Abbott
Jim Adams
John Andelin
Fred Anson
Bill Autrey
George Baker

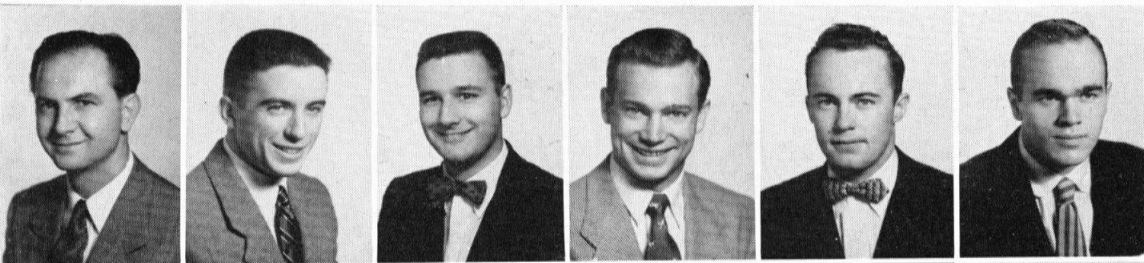


John Bondra
Gary Boyd
Mark Cher
Paul Concus
Jim Crosby
Dave Crowther



Bill Dibble
Ron Fuchs
Roger Golden
Stan Grotch
Al Helgesson
Gerald Hooper





Weldon Jackson
 George Johnston
 Hugh Loney
 John Lloyd
 George Madson
 George McDonald



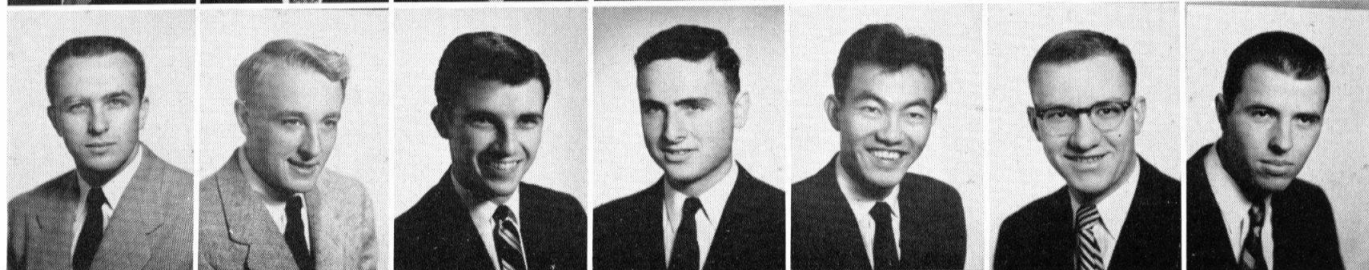
John Merrill
 Ralph Miles
 Jerry Mitchell
 Richard Read
 Will Richards
 Don Roberts

Not Pictured:
 Walt Menetrey
 Gordon Seele

Benji Rosen
 Bob Ryan
 Howard Shanks
 Bob Speiser
 Simon Tamny
 Hugh Taylor



Jim Townsend
 Don Turcotte
 Jerry Van Hoven
 Marty Vogel
 George Wada
 John Wall
 Walter Whirry



YMCA



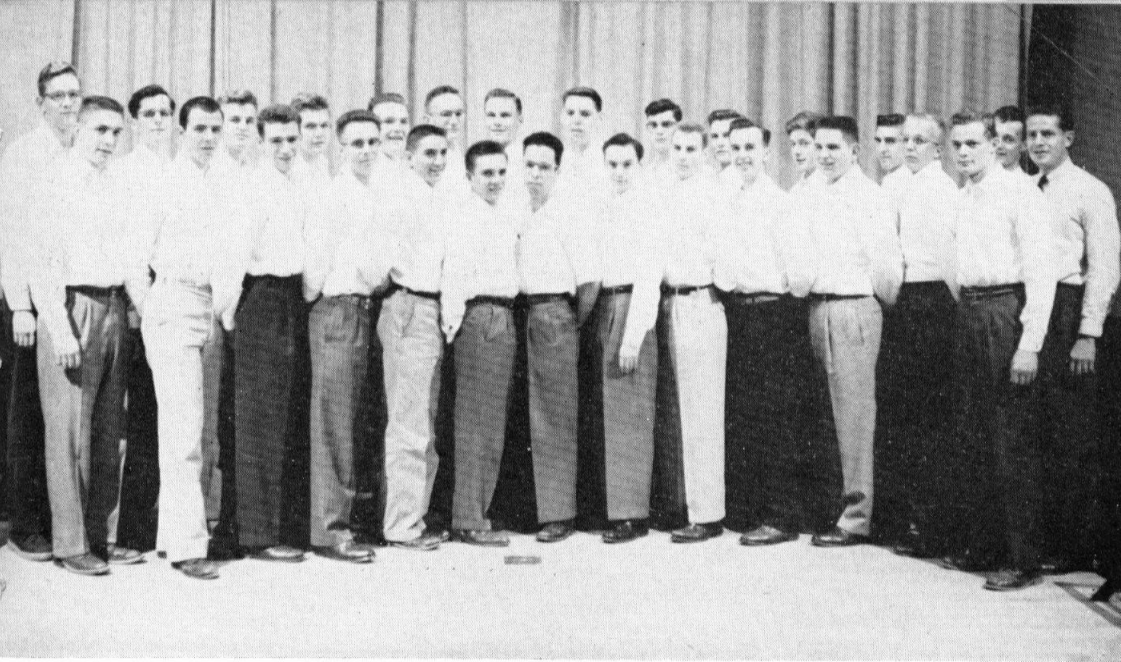
For the first time in a long time the Y had to withstand a considerable amount of criticism from the student body concerning its financial policy and other things. It not only came through unscarred but gained in the process. There is now a lot more awareness and support of the Y activities. This added support is also due to the extended program of activities. The once dying film classics series has been revived to its former strength with the participation of the Y in the program. The series during the third term showed such outstanding features as "All Quiet on the Western Front" and "Beauty and the Beast." The ever popular sex

lectures were enlarged to include informal discussions with practicing psychiatrists and psychologists as well as the series of formal lectures.

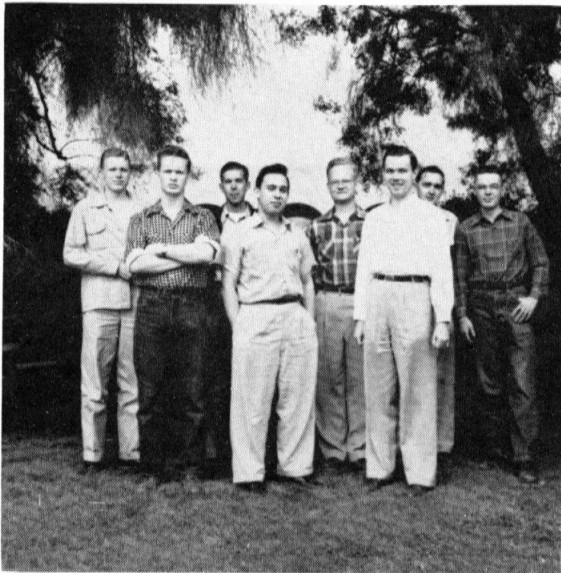
Many, many discussions, panels, firesides, church visitations, etc. etc. etc. were held ranging from an early morning trek to the Hollywood Bowl Easter sunrise service to several hot discussions of loyalty oaths and McCarthyism. If some present ambitions are realized some of these discussions will include such personages as Adlai Stevenson and Leonard Hall.

ORCHESTRA



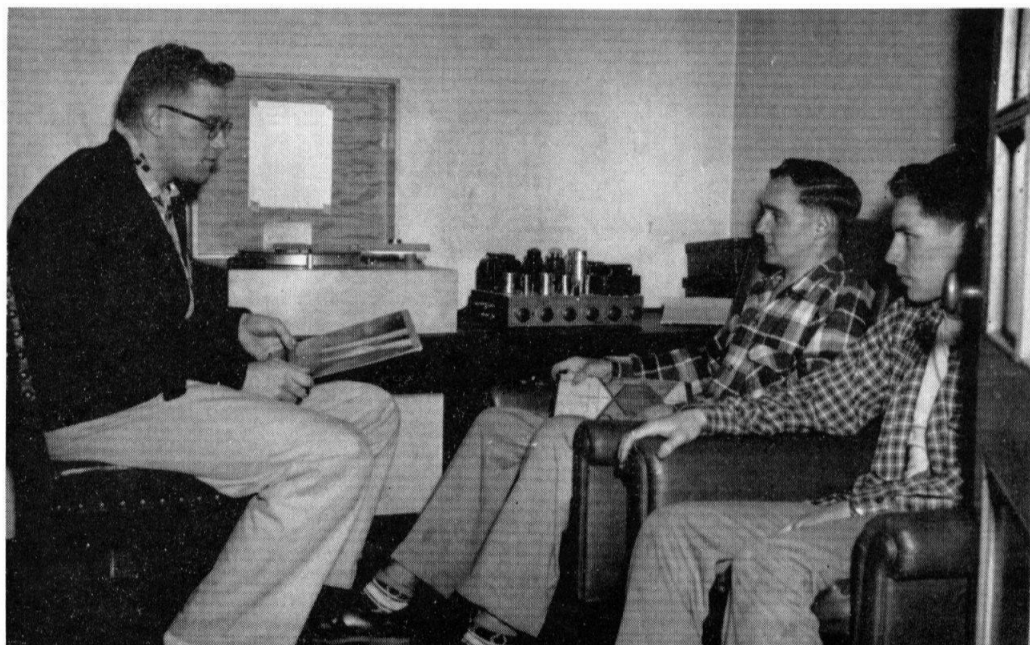


GLEE CLUB



Don Evans, Ed McKnight, Bob Olsen, Mark Cher, Ray Newburn, Dave Hein, John Day, Gordon Reiter.

MUSICALE



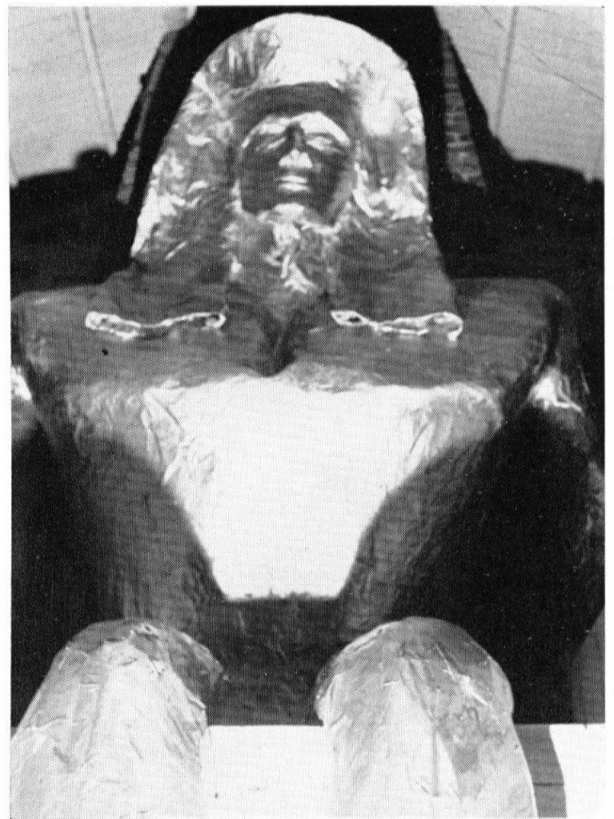
INTERHOUSE SING



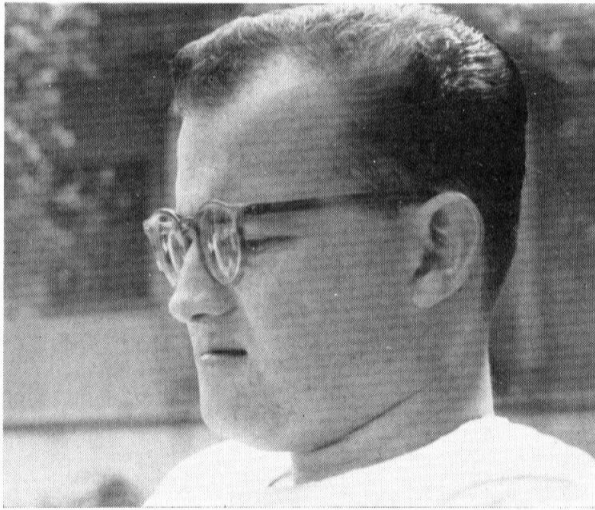
Brand new this year was the Interhouse Sing Trophy. The four houses competed for the trophy, presented by the Caltech Glee Club, by presenting their renditions of "Climbin Up the Mountain" which was chosen as the prize song by the Glee Club. Ricketts and Dabney tied for first place and the trophy will divide its time between the two houses until it is won at the next Interhouse Sing.



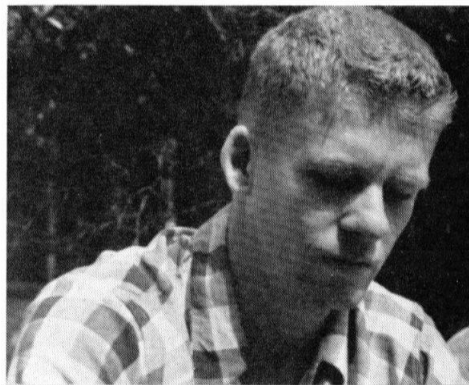
INTERHOUSE DANCE



WHAT ARE THESE PEOPLE DOING?



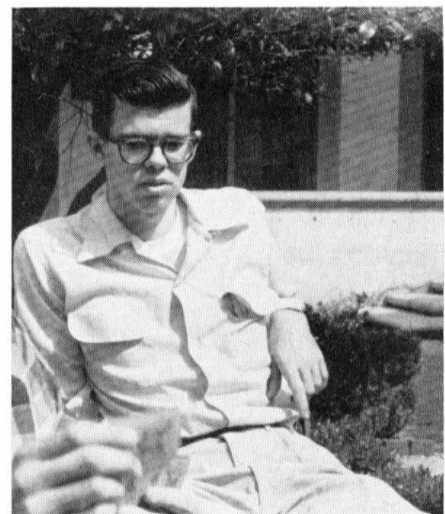
Studying?



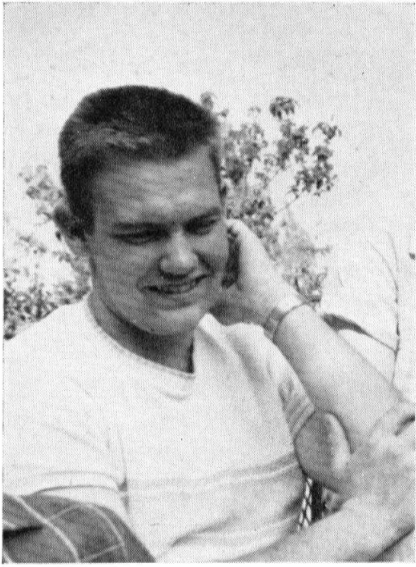
Sleeping?



Tiddly-winks?



Telling stories?



Looking at pin-ups?



Sex?





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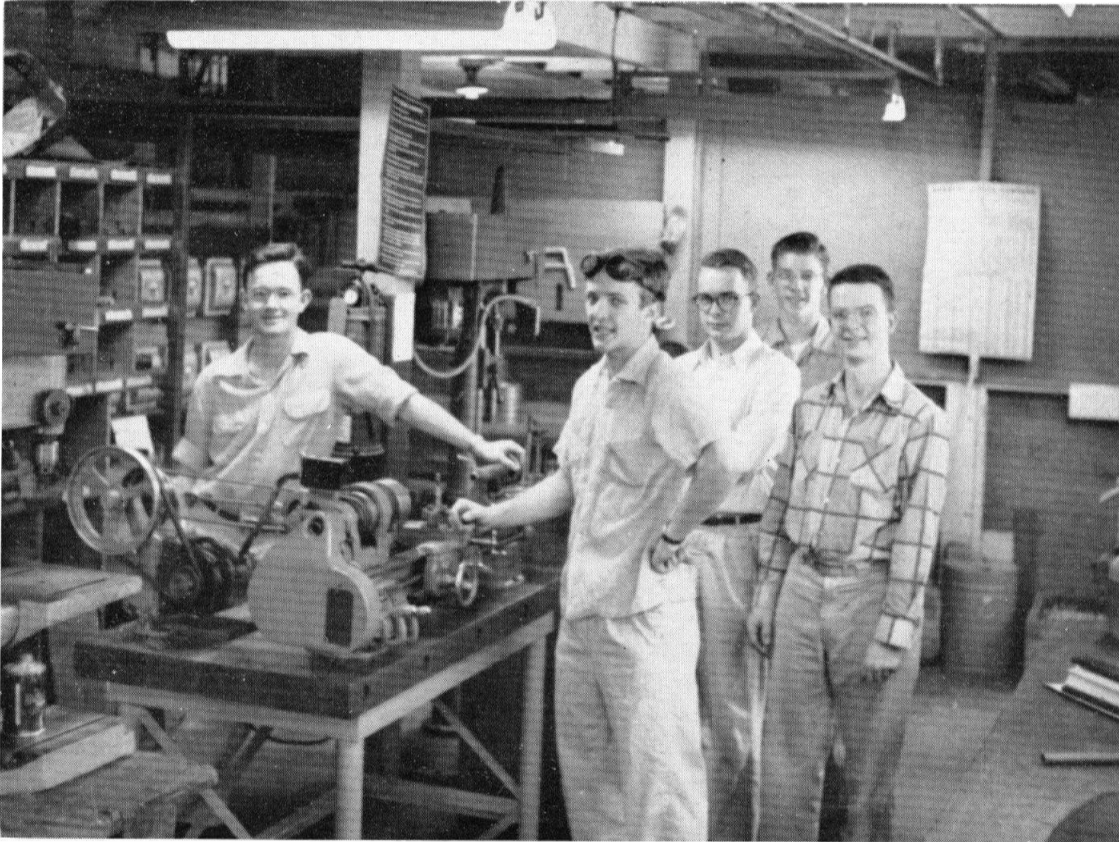
Standing: Peter Moretti, Jan Arps, Rod Supple, Jim Griswold, Jim Adams, Stan Parkhill, Sam Phillips, Bill Haigler, Dick Manley, Al Pitton. Kneeling: Phil Birkeland, Dave Allen, "Moose" Henderson, John Peyton, Paul Farley.

Top: John Ames, Fred Garrison, John Peyton, John Bondra, Simon Tamney. Center: Teague, Dysart CoNine, Howard Crosswhite, Stu Cameron. Bottom: Richard Hyde, Hans Mol, John Lloyd.

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STUDENT SHOP



Jim Crosby, Ed Gauss, John Converse, Fritz Benning, John Carney.

Jerry Peck, Jim Koontz, Phil Cramer, Fritz Benning, Curt Michel, Gordon Fullerton, Ben Cummings, Ralph Miles, Bob Herzog, Dick Jali, John Jelman, Ron Dettling, Al Goldman.



I
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A C S



Top: Jon Robinson, Jim Girard, Harold Almond, Stan Grotch, John Lansingh, Dave Tansey, Mark Cher, Jim Townsend. Middle: Bill Pedersen, Fred Anson, John Carney, Jerry Mitchell. Bottom: Art Kamii, Al Barrios, Stan Manatt, Glen Crabbs, Gus Shulman, Len Gilly.



CHEMICAL ENGINEERING CLUB

Ben Davis, Jerry Mitchell, Jim Townsend, Stan Grotch, Bruce Kaiser, Ed Gauss, Prof. W. H. Corcoran, Neal Huntley, Chalon Carnahan, Bern Folkman, Jan Haagen-Smit, Alan Poisner, John Lansingh, Myron Black, Dave Tansey, John Carney, Stan Manatt, Tom Slanger, Mark Cher, . . . , Len Gilly, Harold Almond, Jon Robinson.



Back: Sid Bellinger, Dave Holman, Bernie Lopez, Walt Pedersen, Attila Simanya, Ev Gramer, Dick Jali, Horace Furumoto, Jack Hickey, Dick Johnson, Paul Schlicta. Center: Roy Paul, Louis Soux, Frank Mastroly, Warren Furumoto, Louis Bagdonovic, Jim Higgins, Art Takido. Front: Alan Joncich, Ruiz Elizoudo, Father Francis Cahill, Jerry Van Hoven.

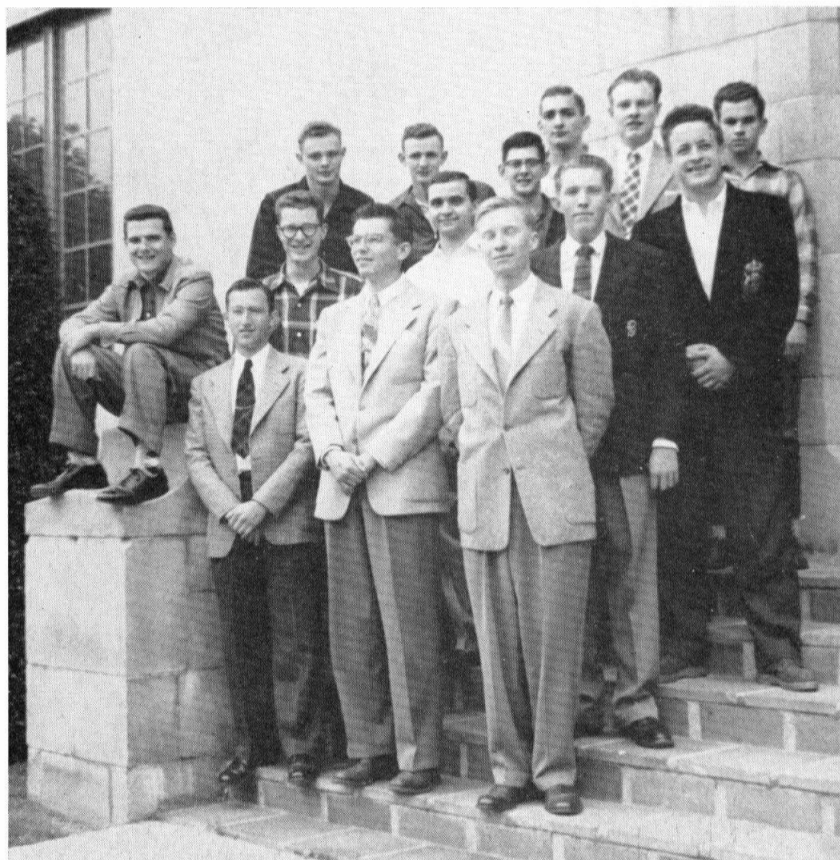
NEWMAN CLUB

CALTECH

CHRISTIAN

FELLOWSHIP

Back: Joe Lingerfelt, Paul King, Don Wilson, Terry Feistel, Walt Thorsen, Don Russel. Middle: Kirk Irwin, Bob Jaffray, Jay Kimmel, Bud Jensen, Don Handen. Front: Dave MacDonald, Tom Noonan, Bob Koffal.



S
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CLUB



Standing: Ernie Ophuls, John Kidder, John Velman, Tom Slinger, John Stevens, Ted Matthes, Jack Rocchio, Dick Morse, Griff Griffith, Ted Johnson. Kneeling: Dick Lawrence, Dick Jali.

Standing: David Welch, Don Evans, Sam Phillips, Phil Ferrell, Walter Ravicz. Kneeling: Grant Hudlow, Jim Welsh, Don East, Sgt. Carey, Don Wilson, Joe Swindt, Gordon Fullerton.



RIFLE &
PISTOL
CLUB

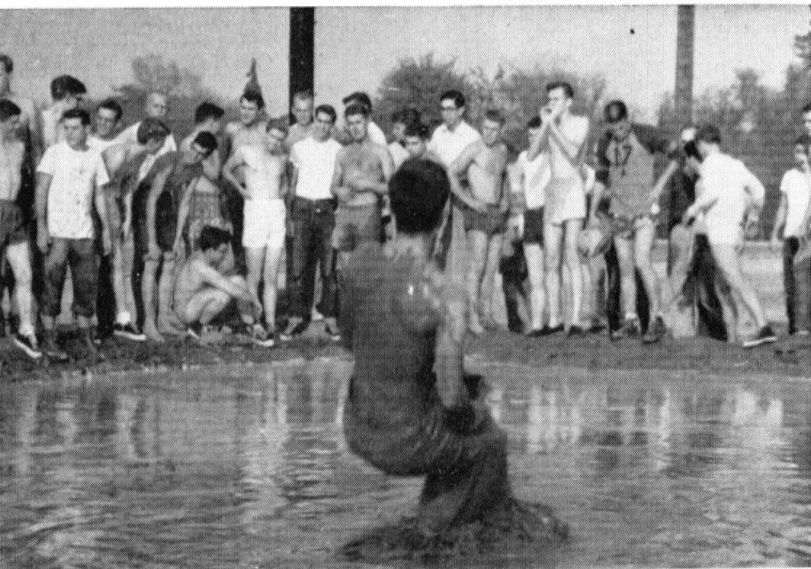
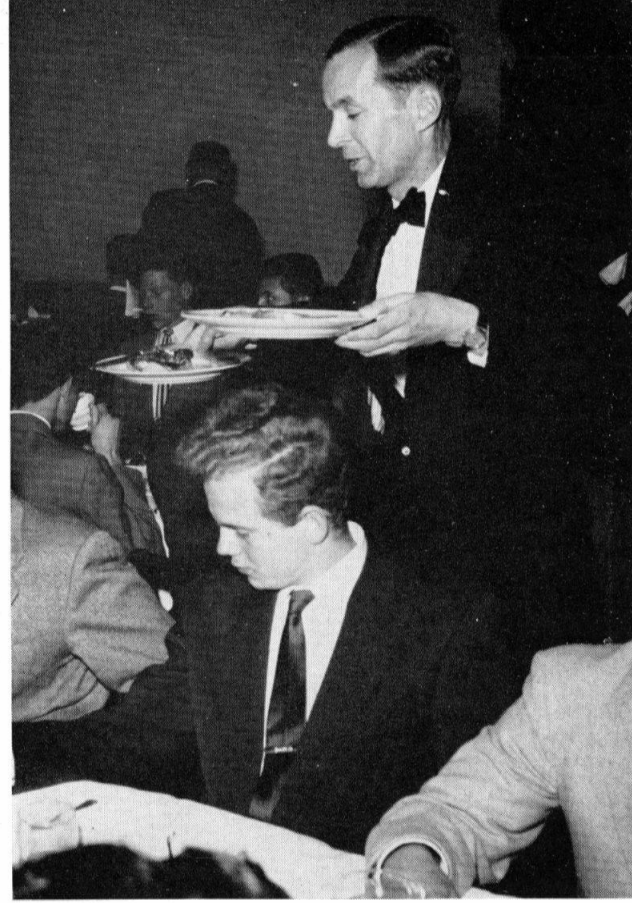
SAILING CLUB



Standing: Van Bluemel, Roger Lagerquist, Jan Arps, Dave Krick, John Peyton, Fritz Trapnell, Jim Griswold. Sitting: Bill Below, Ron Wann, Bob Herzog, Chuck Helsley, Dave Allen. Kneeling: Ron Ratney, Jack Chow, Phil Birkeland, Harvey Frey, Doug Ritchie, Dick Jali, Tom Tyson, Gordon Fullerton.



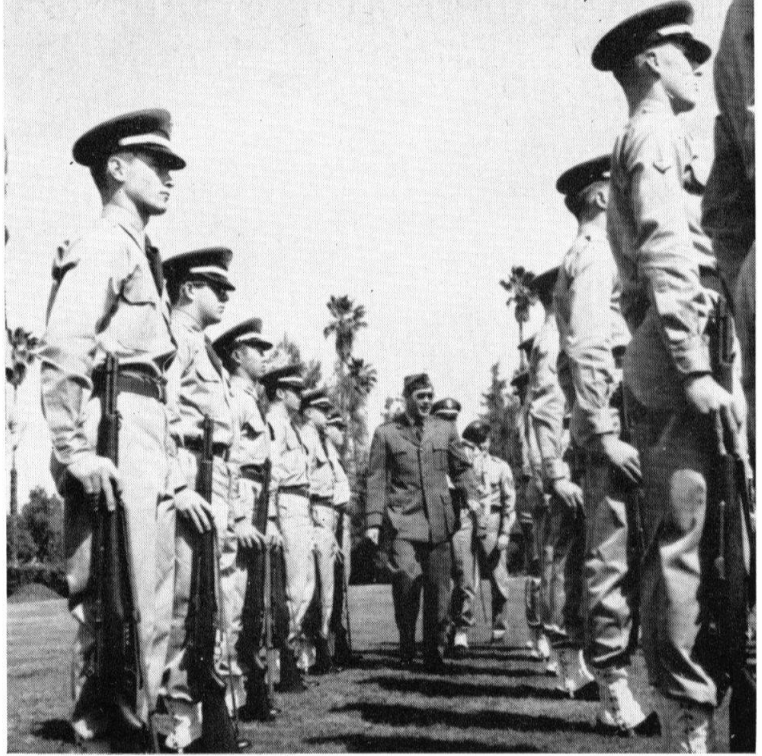
CHARITIES DRIVE



MUDEO

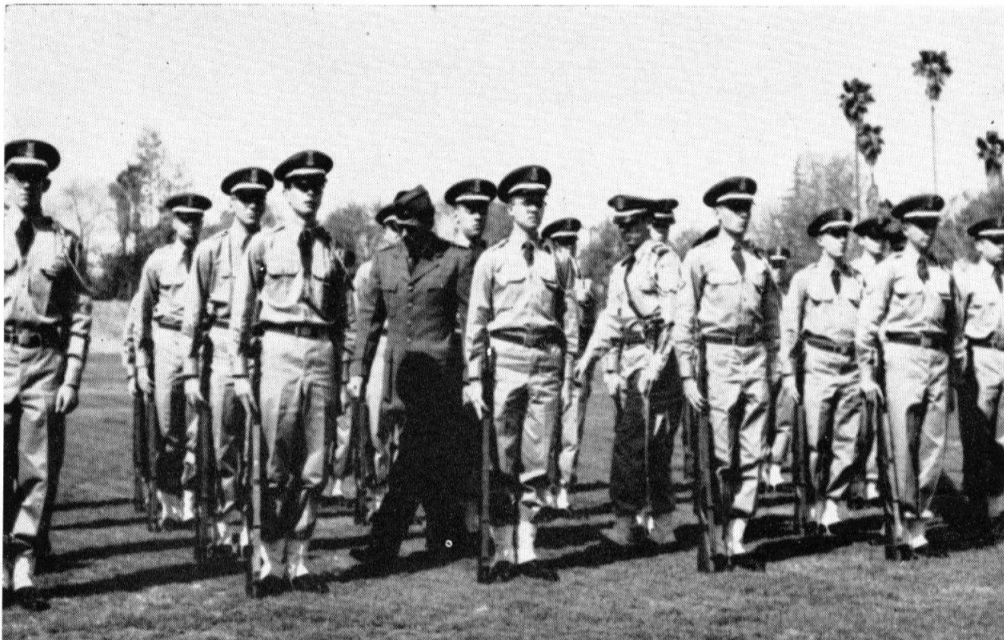
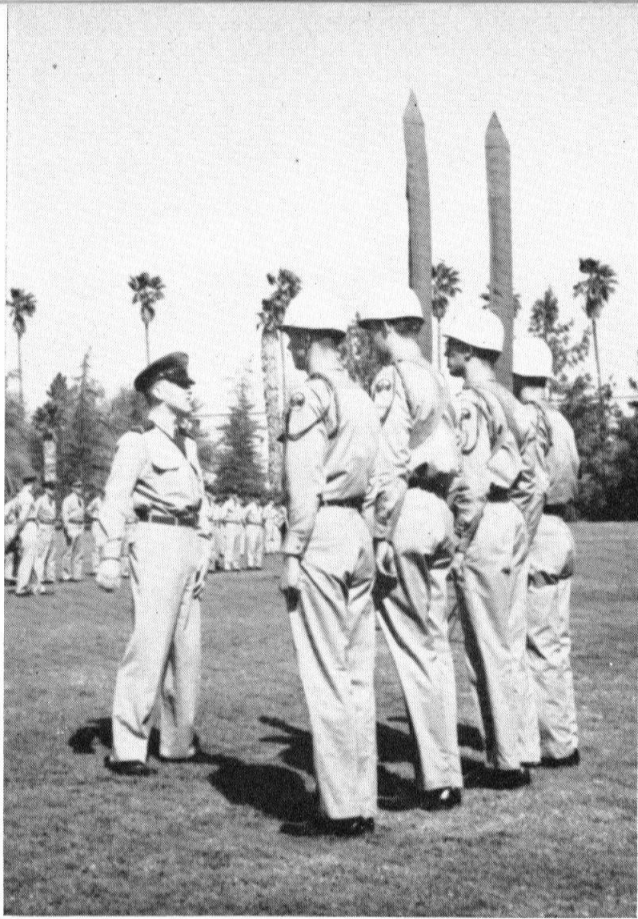






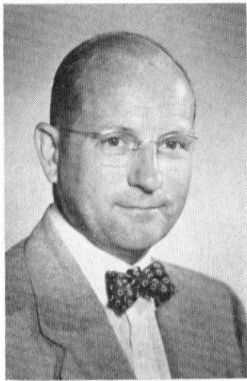
AFROTC







Ken F. Russell, Vice President, and Gerald P. Foster, President



Donald S. Clark
Secretary

CALTECH ALUMNI ASSOCIATION

CHAPTER

Active chapters in New York, Washington, Chicago, San Francisco, Sacramento, and San Diego. Others can be established wherever Tech men gather for social activities and fellowship.

ALUMNI FUND

Goal: four year scholarships. \$75,000 current goal.

PLACEMENT SERVICE

A service available to all Tech Alumni and supported by the Association which has proved its value countless times over.

SEMINAR

An annual spring event on the campus. Lectures, discussions, inspections, field trips, lunch and dinner meetings.

SPECIAL EVENTS

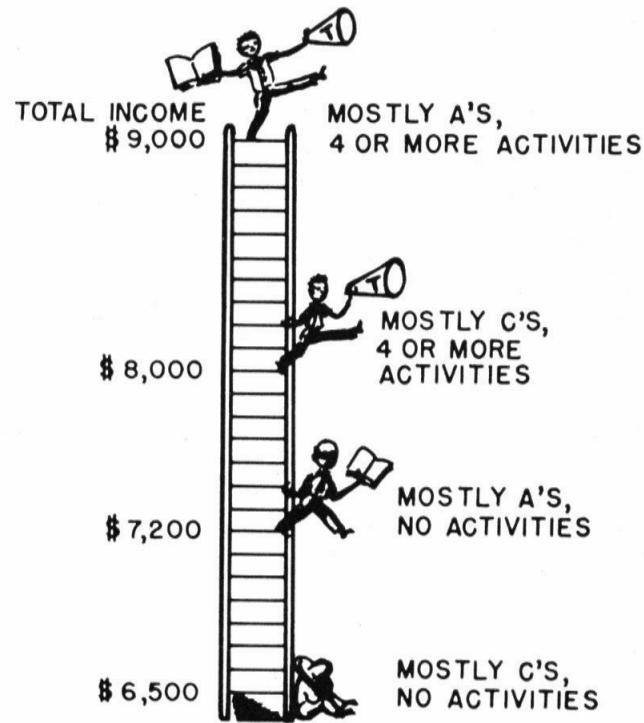
These include: annual meeting, class reunions, dinner dance, family day, dinner meetings, Tech-Oxy post-game open house.

PUBLICATIONS

A directory and **Engineering and Science**, an outstanding magazine reporting research and activities at the Institute.

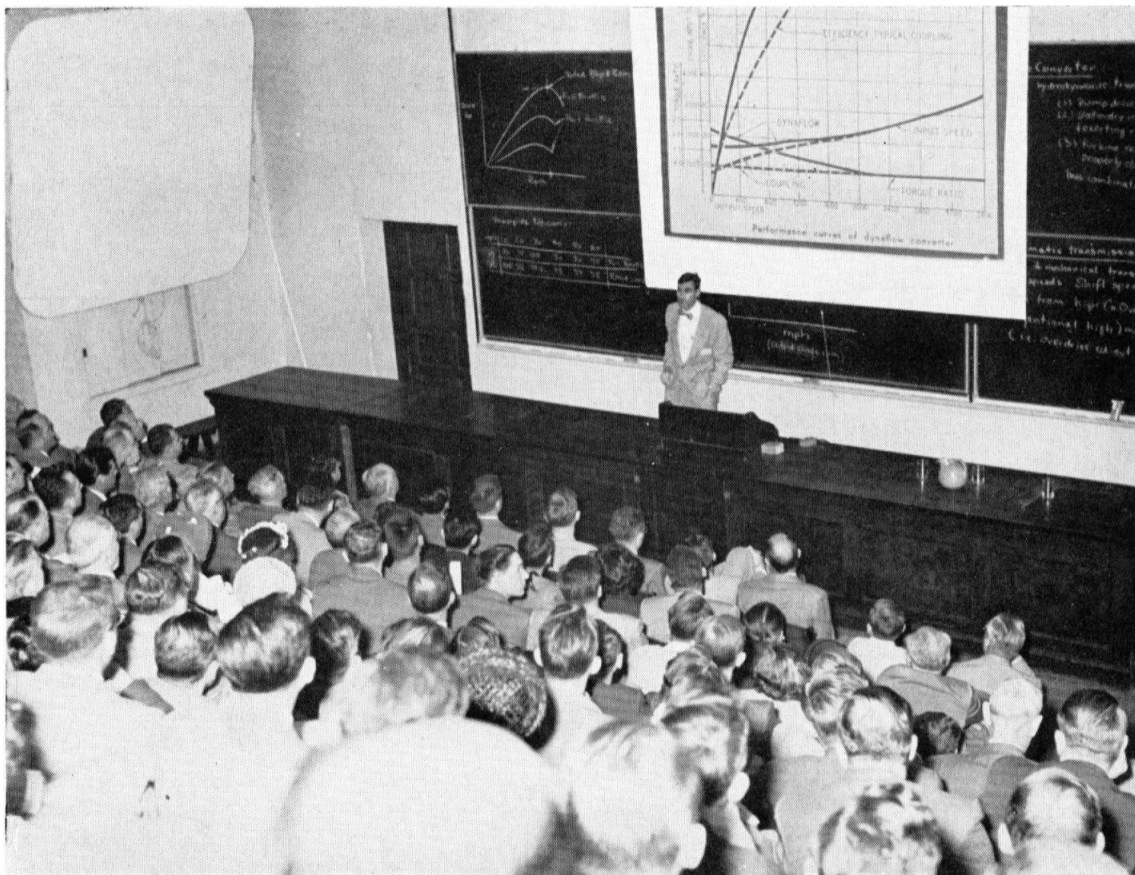


"A MEMBERSHIP IN YOUR ALUMNI ASSOCIATION MEANS
CONTINUING CONTACT WITH YOUR ALMA MATER"



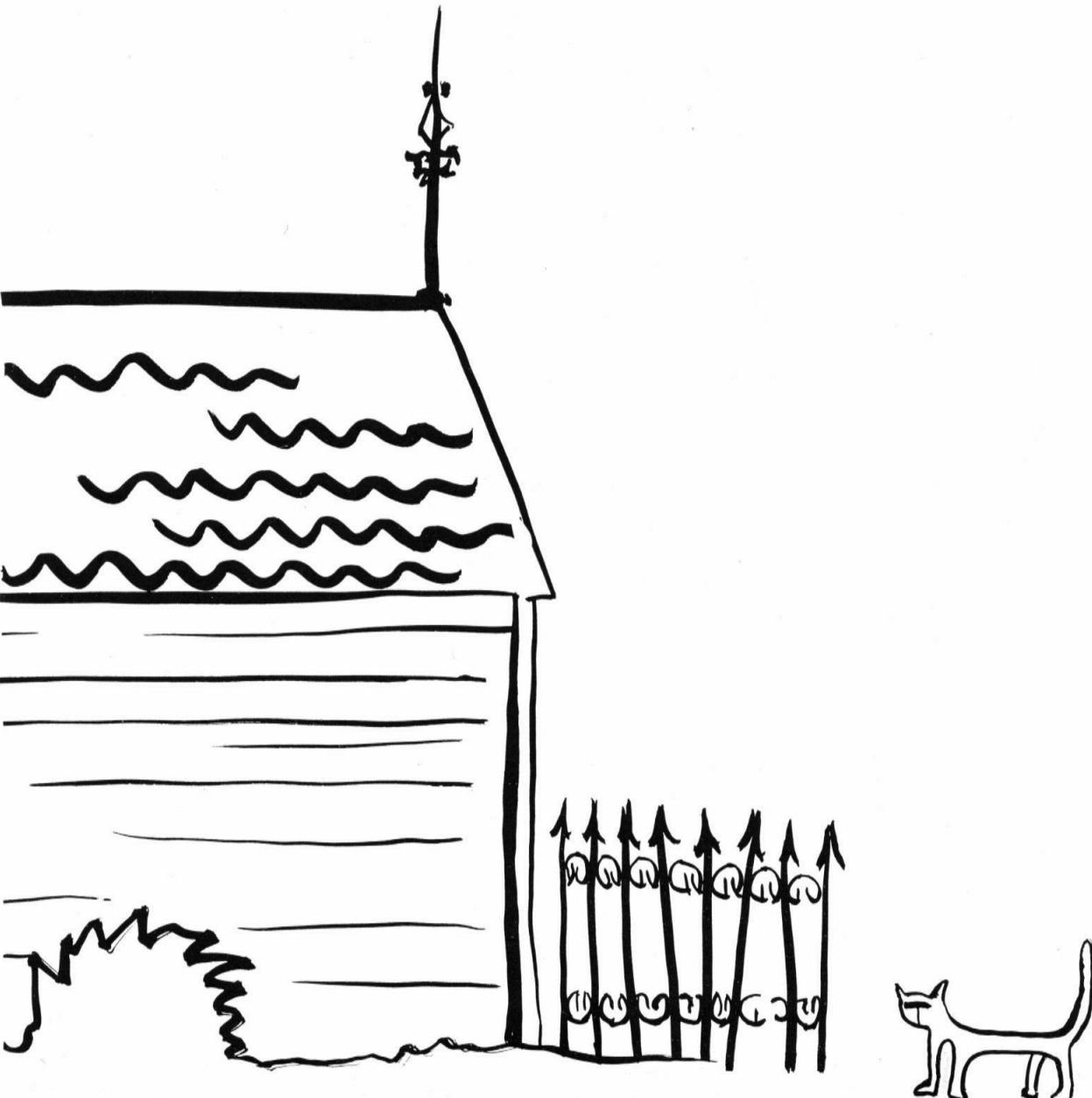
Results of the alumni survey

A seminar at the annual meeting





HOUSES



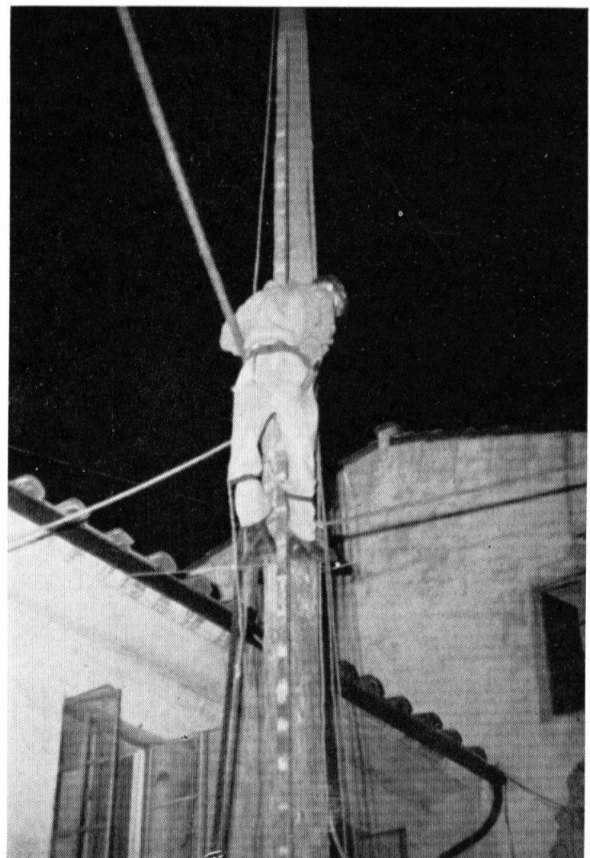


Blacker House Officers: Mitchell, Beuf, Dryden, Hook, Gibbs, Epstein.

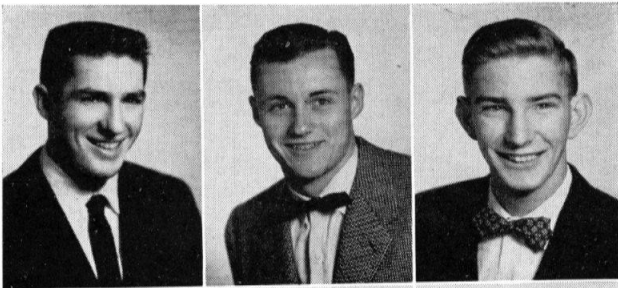
BLACKER

The year 1953-1954 got underway in the usual manner with Blacker men all pitching in to convince the best of the wayward frosh where they should make their pad for the next four years. With frosh initiation ending in near revolt, the yearlings were baptized en masse in the courtyard to the tune of Cool Water, and having seen the light they immediately undertook the task of converting the Ricketts frosh to the ways of cleansed men by escorting them one-by-one to the Vatican showers.

Under the guidance of co-social chairmen Chek Beuf and George Epstein, preparation for the Inter-house began. Following the traditions of Blacker, the troops again decided to use that intriguing mineral, water, but were not content to build a moat or mirror pool. Instead they flooded the entire courtyard, threw up a sandy beach and jungle, and reconstructed the shipwreck scene from Peter Pan, complete with mermaids and a full sized replica of a Spanish galleon. An illuminated water-



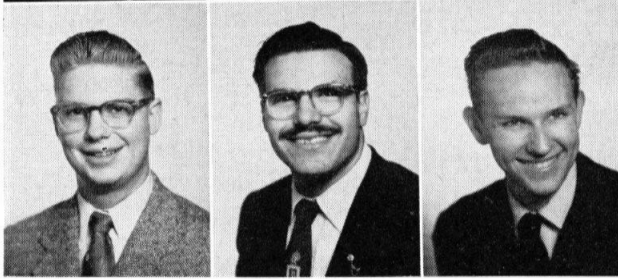
BLACKER



John Abbott
John Ames
Jan Arps

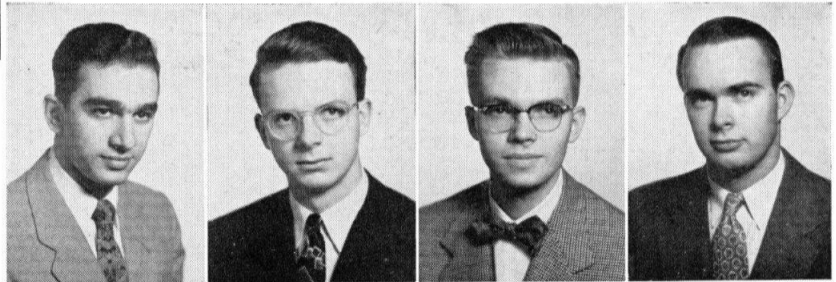


Frederic Benning
William Bensema
Ira Bernstein

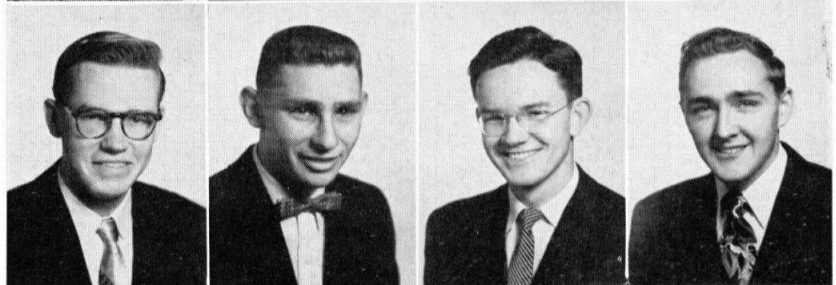


Myron Black
Michael Bleicher
Charles Bodeen

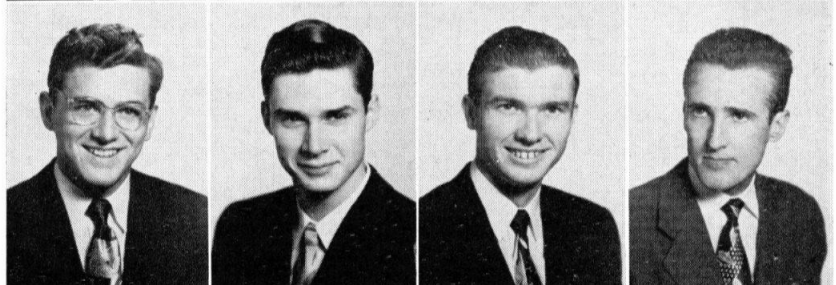
Otto Cardinale
John Carney
Kimball Cranney
John Converse



John Conway
James Cowan
James Crosby
John Day



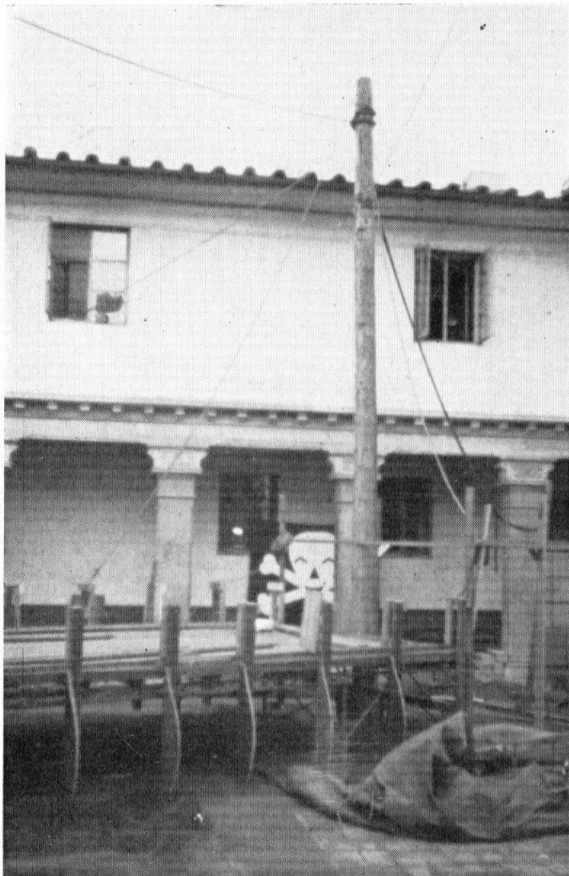
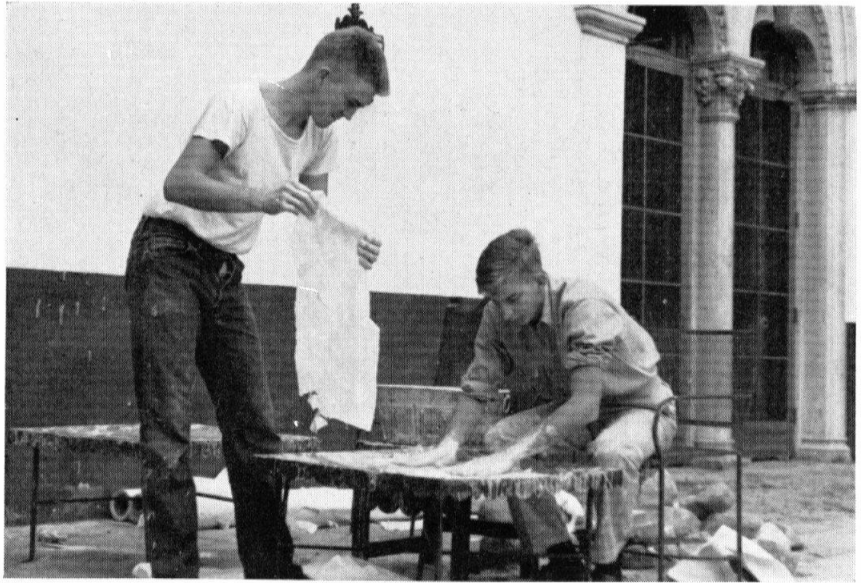
Robert Deffeyes
William Dietrich
Franklin Dryden
James Enright



George Epstein
Donald Evans
Alan Farley
Darrell Fleischman



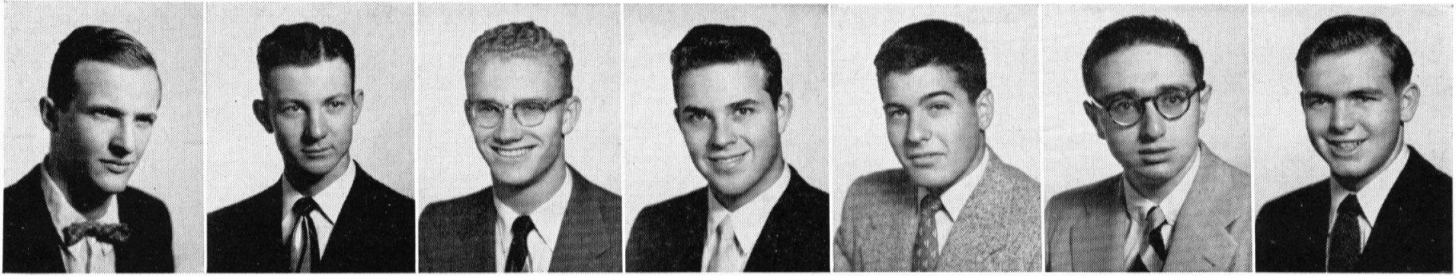
BLACKER



fall, flowed freely down the Hell Alley steps, and the lounge became a secluded alcove deep in the jungle of the Never-Never land. Guests waited patiently in line for a taste of rot-gut punch served from battered rum kegs, and for a glimpse of the grounded ship firing salvos of flame and smoke from its four cannons. The guys shouted, their dates gasped, the boat collapsed, and the dance was a tremendous success.

President Don Hook occupied himself with issuing the master key to absent minded students and R.A.s, as well as quelling liquid rebellions in the alleys.

Veep Frank Dryden carried the ball to the goal line with his Associate's Program by inaugurating his term in office with the annual Associate's Tea. The talk of the town has it that it was again highly successful and a good time was had by all. Beuf and Epstein afforded the troops a variety of activities which ran the gamut of extra-curricular intersexual associations. Highlights of the year were of course the Interhouse Dance and the annual spring formal dinner dance. Filling the interstitial weekends were theater parties, beach parties, party dances, exchanges, snow parties, and sometimes simply a total



Edward Gauss

Joseph Gibbs

James Girard

John Goetten

Harold Goldenberg

Stanley Grotch

George Hall

Jon Harford

Alan Helgesson

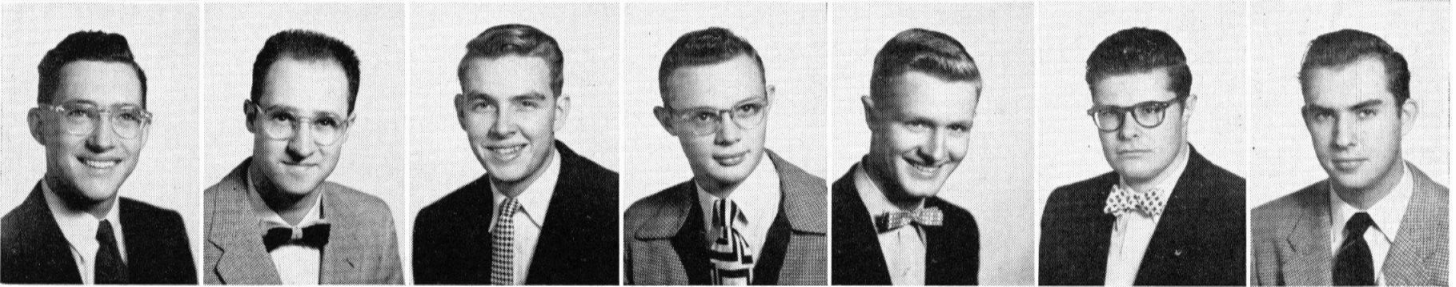
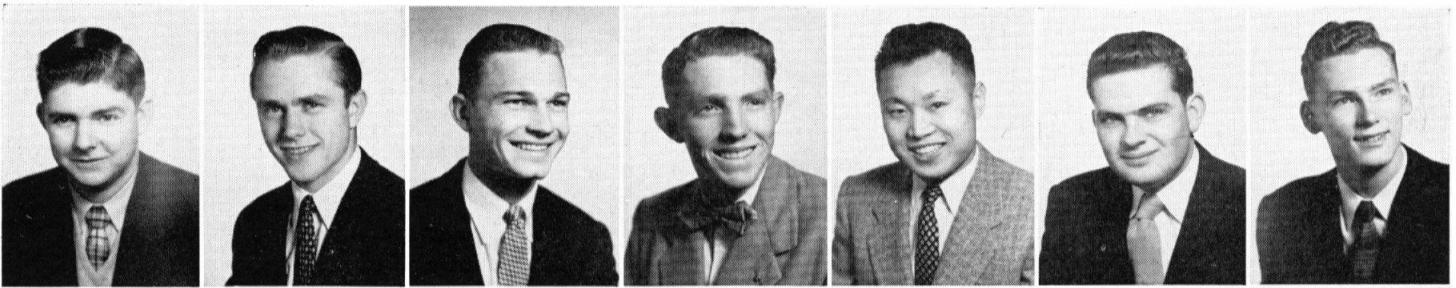
Donald Hook

Roy Jensen

Arthur Kamii

Richard Lawrence

Peter Lauritzen



Kenneth Laws

Walter Lee

Paul Lindfors

Joseph Lingerfelt

J. McKim Malville

Frank Mastrolly

Delbert McCune

William McDonald

Edley McKnight

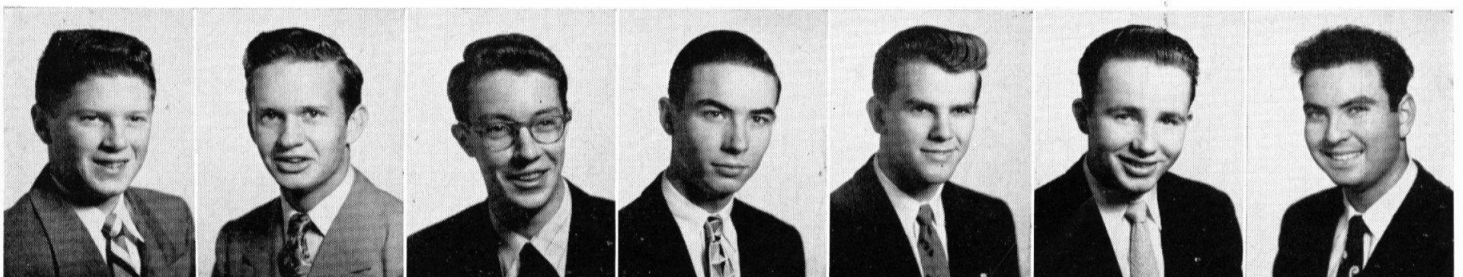
William McLaughlin

Carver Mead

Curtis Michel

Ralph Miles

Jerry Mitchell



eclipse of the lounge, designed to develop the originality and imagination of the indulgers.

Moneybags Jerry Mitchell guarded the house purse with an iron hand and spit fire at all unauthorized persons who attempted to draw out the house funds. Joe Gibbs recorded the minutes of the house meetings and the Executive Committee meetings, and was constantly struggling to keep his head clear of the requests for room changes, and as librarian, Al Poisner maintained and further organized the new house study hall. House morals ebbed away under the guidance of Pope Jim Enright, ex-occupant of club 23/33 who is now departed from this atmosphere of FYB to one of ultimate regimentation and free room and board. His successor, the morally popular Bob "Bernouli" Tambling, striving so diligently to maintain the high (? sob) moral ethics etched into the grain of Blacker men by his predecessors, clinched up in the clutches . . . or . . . uh . . . spazzed. This great religious leader found himself cast into the wake of human events by a dynamic, on-the-ball congregation who adeptly uncovered, organized, and executed with precision the cleansing of certain married house members, all before the visibly shaken Pope could call a meeting of his Cardinal sub-committee to investigate the situation and ascertain what was happening.

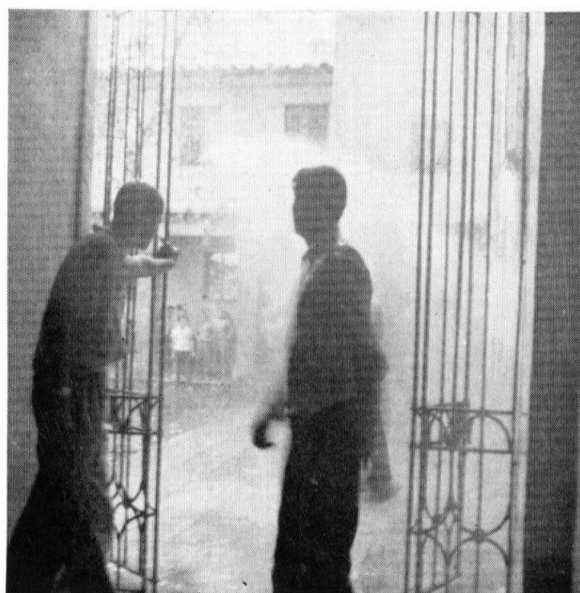
In the sports field Blacker held its own. The Discobolus Challenge Trophy again rested on the

Blacker mantle at the start of the year, and the house has battled for it several times since. At the end of the second term Blacker was a good solid third in the Interhouse Trophy race, having taken firsts in both basketball and swimming. Blacker men further distinguished themselves by placing John Goetten and Lynn Abbott on the all conference football team.

Blacker men also demonstrated their versatility and well-roundedness by being elected to many positions of leadership and responsibility. In a special election, John Peyton was chosen First Representative of the ASCIT, and in the general ASCIT election Fritz Trapnell was elected Publicity Manager; Bill McDonald, Second Representative; and Jon Harford, Rally Commissioner. Ralph Miles was chosen president of the Beavers, and a Blacker regime was swept into the YMCA administration.

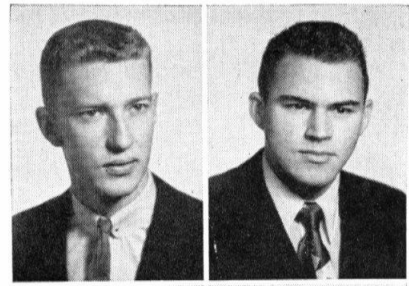
At the end of the second term the new house officers were elected and thoroughly baptized—Al Helgesson, president; George Epstein, vice-president; Paul Lindfors and Fritz Benning, co-social chairmen; John Velman, secretary; John Young, treasurer; Dick Stark, librarian; Bob Tambling, pope; and Ed McKnight, K of C. In an uncontested race, head waiter Dick Smith of basketball and "Hey, Bernouli, have you heard about the new French cars" joke fame walked off with the cherished title of H. H. A.

BLACKER





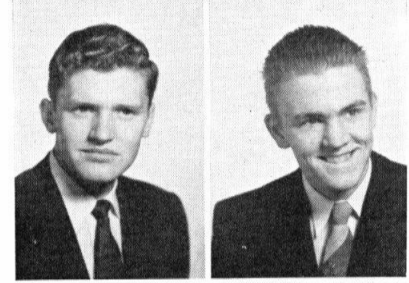
William Moeur
Peter Moretti



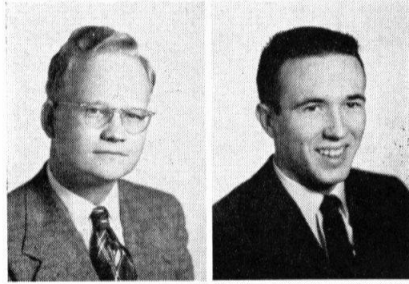
Richard Smith
Walter Specht



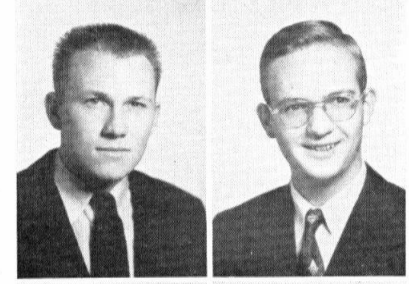
Charles Mosher
Bruce Nevelli



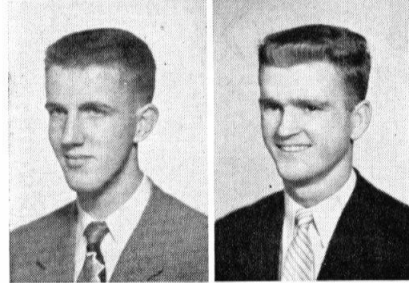
Richard Stark
John Stevens



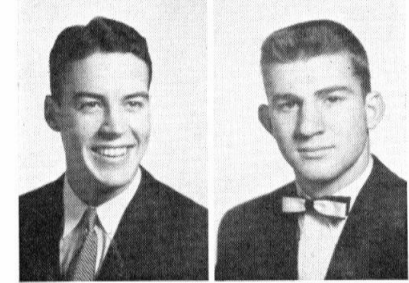
Ray Newburn
Albert Nichols



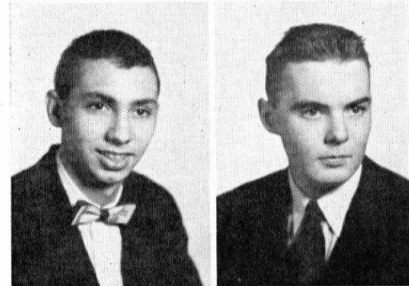
William Sunblad
Cornelius Sundt



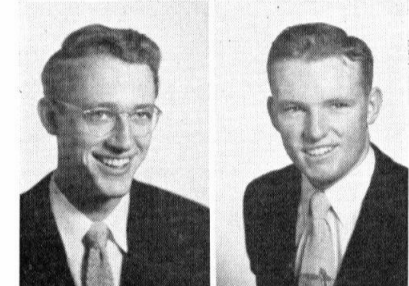
John Parks
John Peyton



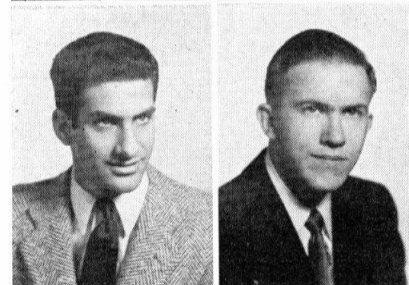
Frederick Trapnell
John Velman



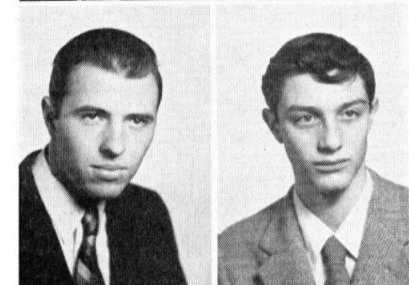
Alan Poisner
Gordon Reiter



James Wade
Van Walkley



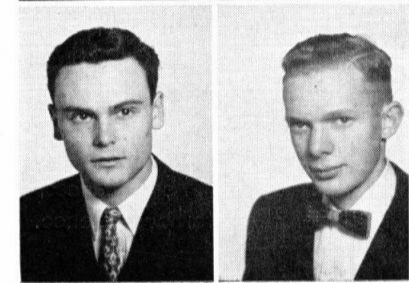
Leon Shameson
James Short



Walter Whirry
Leonard Wiener



Samuel Sims
Charles Smith



Roger Wileman
Harold Almond



Dabney House Officers: Seated: Pechacek, Bryan, Wallace; Standing: Taussig, Wagenseller, Berg, Howell, Schmid, Richards.

DABNEY

A new era began for Dabney this year when, as a result of last year's successes across the street in T.P., the incoming frosh arrived to see the Interhouse Athletic Trophy in place on the mantle in Dabney Lounge, as a fitting companion to that perennial resident, the Goldsworthy "Snake" Trophy. Before the frosh had time to recover from this bedazzlement they were plunged into the activities of another superlative Dabney social program. This year saw many new additions to social activity in Dabney. Small impromptu parties, at homes, in alleys, or perhaps in the tunnel far to the east, were liberally sprinkled throughout any weekend that was not already filled with football or basketball games, barn dances, theatre parties, formals, or the Interhouse Dance.

On the night of this year's Interhouse Dance an atmosphere of far off times and places drifted into a transformed Dabney lounge, dining room, and courtyard as the scene was artfully shifted from Pasadena to the burning sands of the great desert of Africa. A rising moon shown over a green oasis, backed by rolling sand dunes. Couples danced under a nomad's tent pitched beside a giant Egyptian pyramid. Diversion from dancing was found by entering the passageways leading into the heart of the pyramid, where carefully preserved examples of the art of ancient cultures were to be seen while sipping refreshments fit for sacrificial offerings to the gods.

Highlights of second term were the snow party,

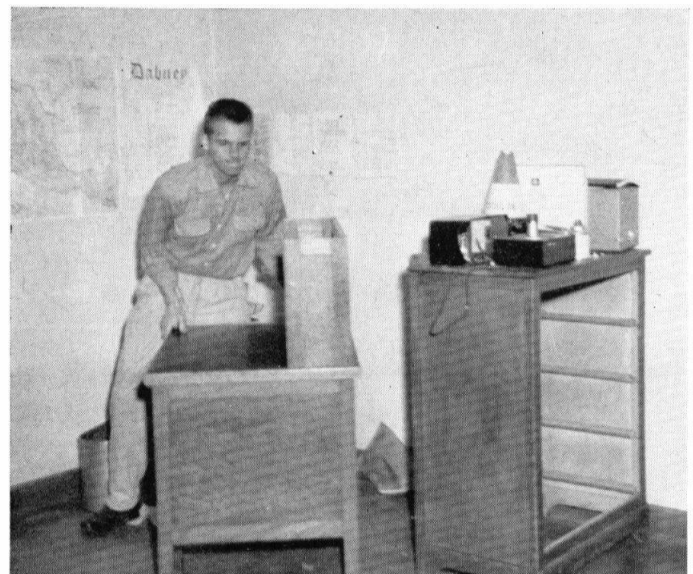
this year with real snow, and the latest addition to the series of annual costume party-parties, Nature's Challe. Features were Taussig's appropriately equipped appearance, the Shepard's beautiful home, and a record consumption of the offerings of an exemplary corps of waiters starring Hoot Campbell. At odd moments through the year, barn dances with Fleming, Blacker, and Throop gave ample opportunity to see that Dabney was out to win back the Acme trophy which had strayed away the previous year. Blake Wallace was the social vice-president, yielding to Johnny Bryant and Bob Kausen at the end of second term.

Though athletic spirit remained at a high level, Dabney's men in green, led by co-managers, Dicks Wagenseller and Schmid, started off the year slowly. A first in crosscountry, due in large part to the endurance of Bob Mandl, was the bright portion of first term events. Second term began on a brighter note as Dabney teams came in first in both tennis and track.—but then came swimming, and the realization that last year's team had gone on to better (?) things. With a two point lead at the end of second term, newly-elected managers Ray Weymann and Tom Plambeck took over with confidence, spirit, and determination to retain the trophy.

Improvement of the physical assets of the house, spearheaded by Bob Kausen and his committee, was a major project this year. Following conversion of the much-maligned "snake" room into a quiet and comfortable library, attention turned to the game room. Work crews swept up and washed out the accumulated litter and stains of the past several years, preparatory to covering walls, ceiling, trim, and painters with shades of green paint. The pool table and ping pong table were repaired. A rug, curtains, comfortable furniture, and new fluorescent lighting, completed the job. Used for social activities as well as games, this room further insures that no Dabney man will ever be without activities to consume his official 56 hours per week of leisure time!

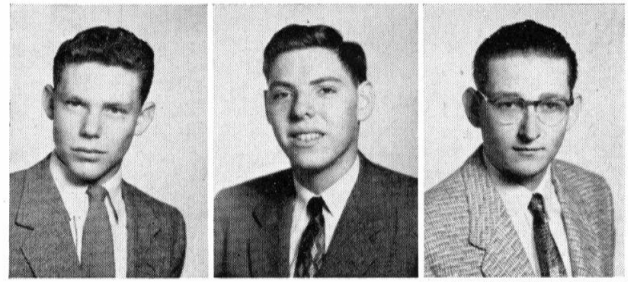
Not to be outdone by the plans of the house, Bob Jetter and Fred Peters turned room 7 into the Red Room by application of beautiful red paint to their previously drab floor. After a suspenseful wait for high level retaliation the house breathed more easily when the only repercussion was an edict that this would not be done again.

During the first part of second term the unaccustomed quietness of the frosh presented a problem. Minds turned over and reached the conclusion that it was time to take inventory of the frosh rooms. Since so urgent a situation could not wait for favorable weather, one Monday at eleven

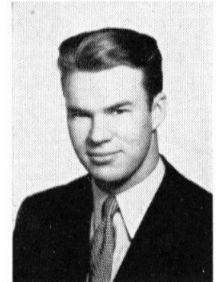


DABNEY

Peter Abbey
George Baker
Stanley Baker

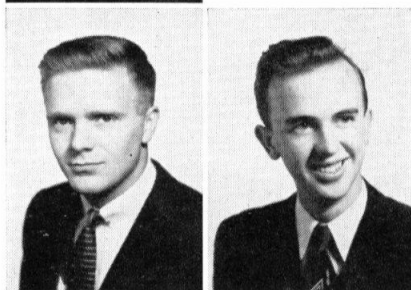


Kyle Bayes



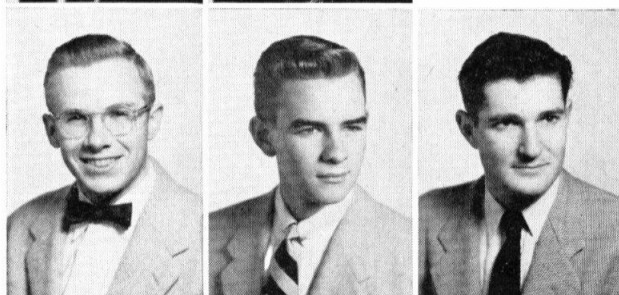
Ed Bryan

Howard Berg



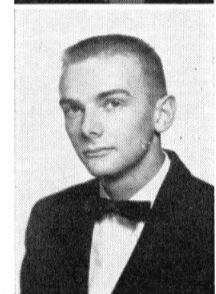
John Bryant
Robert Chambers

Robert Bradford



David Clark
John Clark
Paul Concus

Charles Brokaw

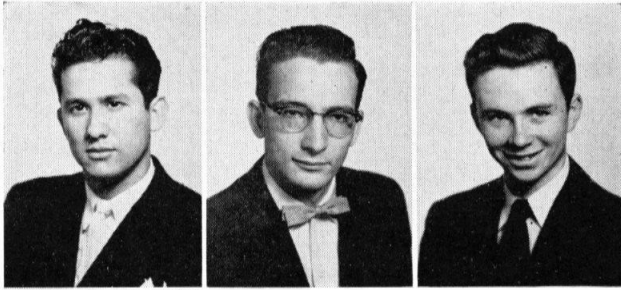


Robert Curley
Gary Dietrich
Everett Eiselen
Lewis Ellmore

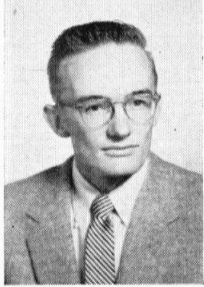


Terrell Feistel
Charles Finley
William Fletcher
Jerry Gallagher
Jay Glasel

DABNEY



Reinaldo Gutierrez
Edward Hershberger
Marshall Hollimon



John Howell



J. Warren Huttberg



Neal Huntley

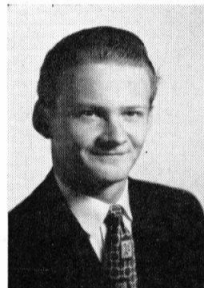


Robert Jetter

Hugh Leney
Donald Lewis
Bernard Lopez
Daniel Mack



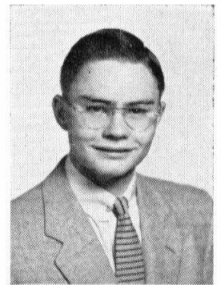
Arne Kalm
Robert Kausen
Milton Kimmel



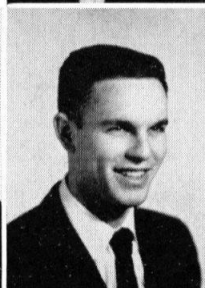
Ted Johnson
Anthony Kallas



Roger Johnson



George Madsen
Robert Mandl
John Merrill
Miles Nesman
Raymond Orbach



a somewhat damp Dabney court took on the appearance of Gimble's bargain basement as stacks of 25 desks, 25 lamps, 25 beds, 25 MRW's and assorted doors, chairs, shoes, and wastebaskets appeared there. Sophomores taking inventory made the amazing discovery that every frosh was attending chemistry lecture except for one (who shall go unnamed) who decided that it was proper to take a lengthy shower. Incensed by this beneficent gesture, the frosh later attempted to enact revenge by an early morning tire raid on sophomore cars, only to learn the impossibility of finding a time when all upperclassmen are asleep.

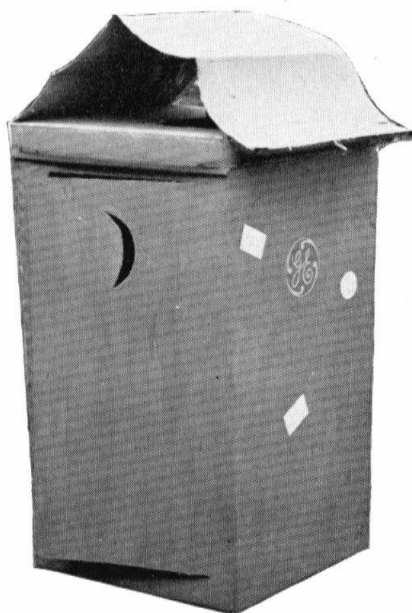
Greatest improvement of the year was shown when the men of Dabney, with negative experience, were turned into a glee club by the hard work of Ted Johnson. After "Climbing up the Mountain" every night after dinner for several weeks, the outcome was a tie for first place in the first annual inter-house singing contest.

After Dabney men came out on top in the ASCIT combined charities drive, members of the faculty again became Dabney waiters for an evening, as the men of Dabney sat down to delicious steaks, sooth-

ing music, and hilarious entertainment. MC'd by president DuBridge, Caltech presented its first TV program, "Science Speaks." This featured the delivery of several papers recording significant research as performed at Caltech, an acoustical experiment, and an enlistment plea from the AFROTC—in a rather unusual manner!

Election time this year found eleven Dabney men campaigning for important offices in the ASCIT. Three Dabney men were elected to the ASCIT board of directors, while others became a part of the staff of next year's Big T.

House elections came next. Dick Wagenseller received the president's gavel as Ed Bryan concluded a year of outstanding leadership. Bill Purvis took over the job of executive vice president from a frustrated, still unmarried, Bob Pechacek. Jim Moule gained control of the house treasury, previously guarded by Will Richards, and Tom Taussig yielded the secretarial duties to Dave Clark. Jerry Peck took charge of the librarian's duties from Howard Berg, while Pete Stair stepped into John Howell's historian's shoes, ready to record another full year of life in Dabney.

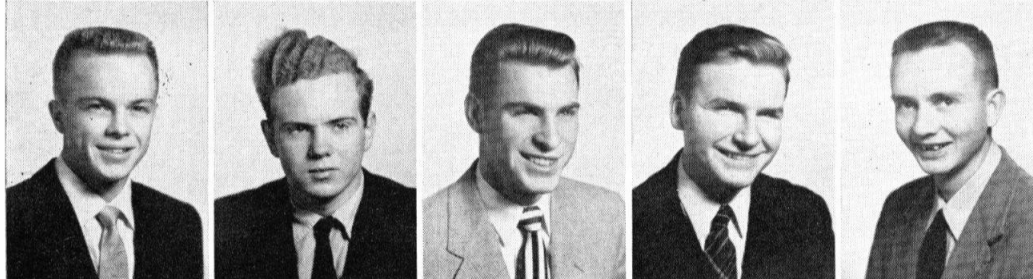




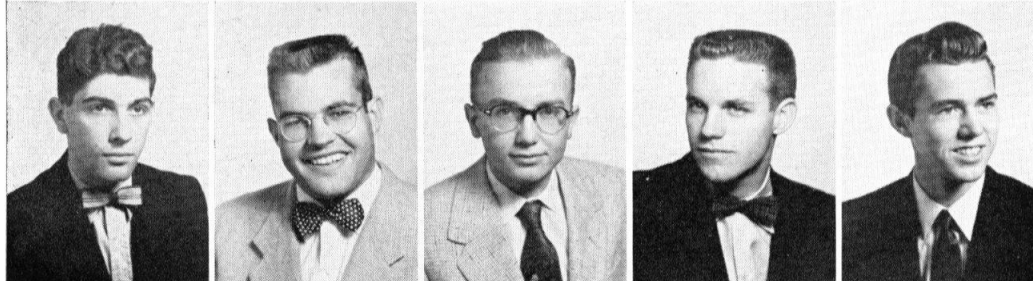
Robert Pechacek
 Jerry Peck
 Frederick Peters
 Walter Petersen
 Thomas Plambeck



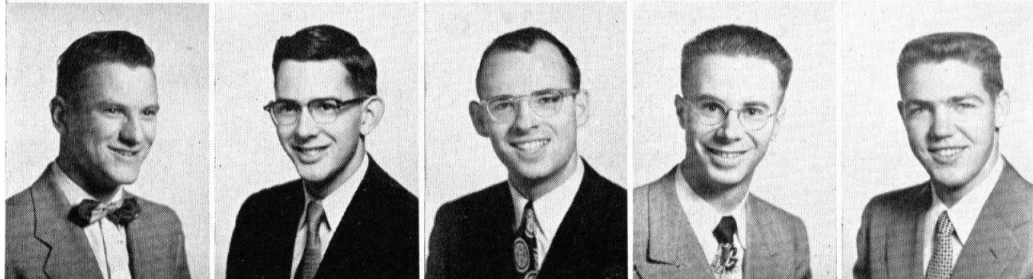
William Purves
 Willard Richards
 Fred Russell
 Richard Schmid
 Harrison Schmitt



Curt Schulze
 Attila Simanyi
 Richard Smisek
 Henry Stair
 Joseph Swindt



Thomas Taussig
 Hugh Taylor
 Terry Thomas
 Richard Wagenseller
 Frank Wallace



Ray Weymann
 Donald Wilson
 John Wolfe
 Gordon Zentner
 Edwin Berry

DABNEY



Fleming House Officers: Seated: Barlow, Handen, Pinkerton; Standing: Vurek, Grieser, Rosen, Furumoto.

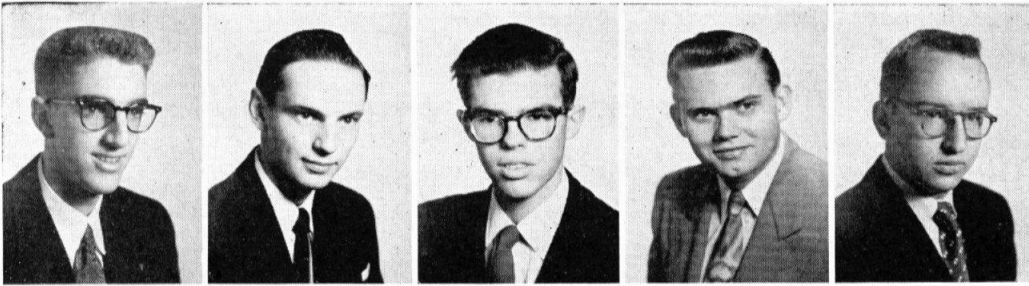
FLEMING

It was another great year in Fleming House. Phlegms again completely dominated the Tech varsity teams as they have since the house began in 1930. About half the football team, four of the first seven on the basketball squad, and four or five of the starting baseball nine, if you include Conley who spent most of the spring breaking javelin records, in part illustrate Fleming's dominance on the athletic field.

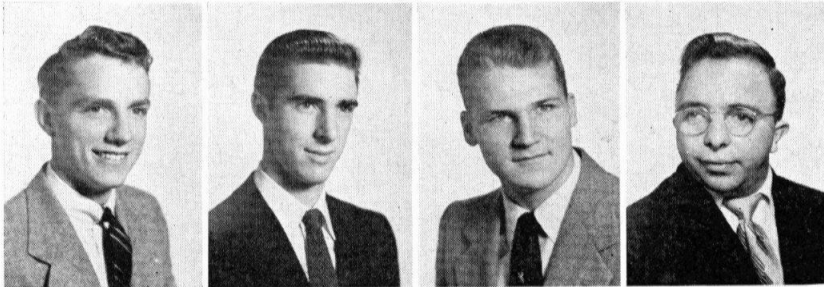
The Big Red led the field in just about every other campus activity too, overall G.P.A. excepted. Eric Ward put so much time, effort, and house funds into the fall social program that, among other great things, Fleming had far and away the finest setting seen in recent Interhouse Dances. Our lounge was transformed by magic and much hard work into an unbelievably beautiful tropical paradise. The east wall of the lounge was no longer merely a wall but a

verdant hillside of indescribable beauty blooming with a profusion of exotic flowers. The ceiling became a pure, black, star-studded, tropical sky with authentic twinkling of the stars engineered by some of the brighter electricians in the house. The Pasadena Parks Department gladly provided two truckloads of palm fronds entertaining the unfounded hope that they might never see them again. Local bamboo groves were harvested and many exotic plants were bought, scrouged or otherwise obtained, and all artfully arranged to provide not merely a scene, but a beautiful and striking effect nature herself might envy.

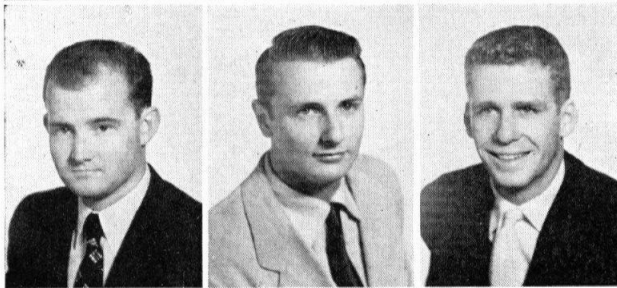
The social program was such a huge success, including barn dances, exchanges, and parties, that Social Chairman Ward is now one of Uncle Sam's dauntless defenders, and the beginning of the winter term found the house coffers empty and a



Richard Alvarez
Charles Anderson
William Barlow
William Berg
Marvin Bienstock



Mike Boughton
Baird Brandow
John Bush
Stuart Cameron



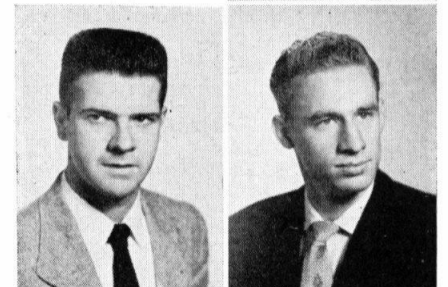
Keith Campbell
Chalon Carnahan
William Chambers



Paul Cramer

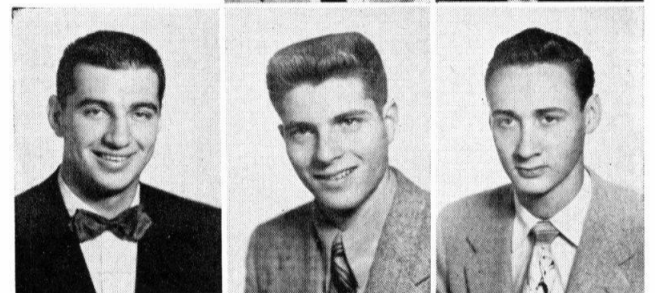


James Collins
Philip Conley



Ben Cummings
William Davis

Ernest Dernburg
Harold Dessau
Allen Diercks



Gerald Dudek
Don East
Eugene Epstein
Earl Evleth



Paul Farley
Philip Ferrell
Bern Folkman
Charles Fullerton
Horace Furumoto

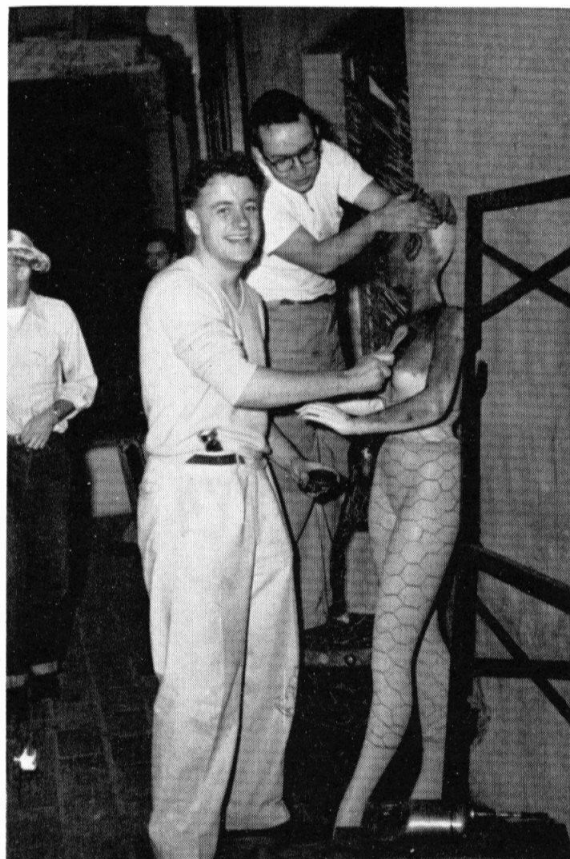
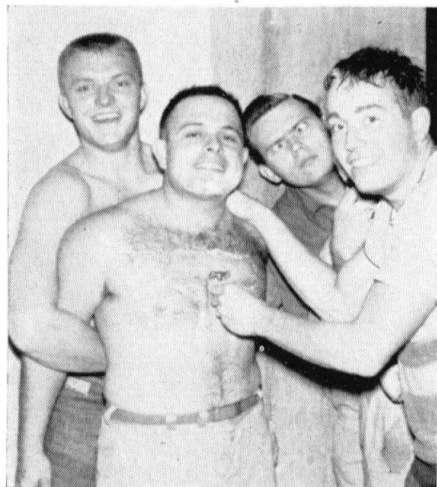


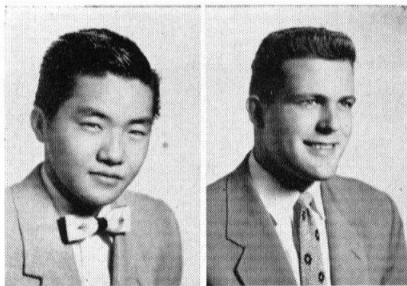
burdensome debt hanging over our heads. To take charge of the situation a mighty triumvirate, Mike Boughton, Bob Smith, and Bill Davis took over the job of social co-chairmen. Their first job was leading the house into a grand solvency campaign, namely work day, a Saturday morning when almost every member of the house dispersed among neighboring homes to find and perform odd jobs such as gardening, cleaning windows, and hauling trash. Work day was such a tremendous success that the winter term saw more events on Fleming's social calendar and a bigger surplus in funds at the end of the term than has been seen in a long time.

Co-athletic managers Benji Rosen and Ray Grieser provided the "Big Red Machine" with great leadership in the quest to return the Interhouse Athletic Trophy to the Fleming mantle where it has spent so many happy years. As always, facing the problem of finding anybody in the house with athletic talent not out for intercollegiate sports, Fleming still found itself in the thick of the fight at the end of the second term. The Discobolus, moreover, "came



FLEMING

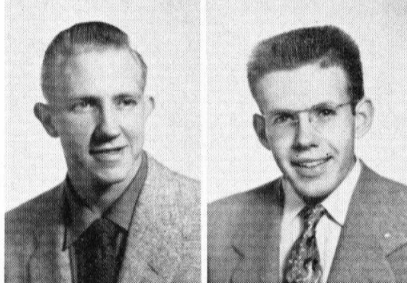




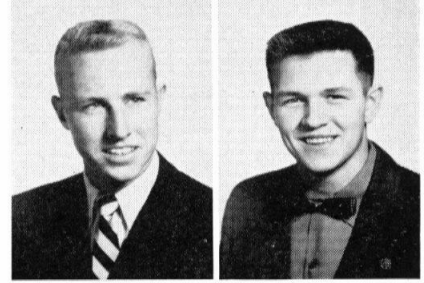
Warren Furumoto
Fred Garrison



Ronald Korsak
Charles Lehman



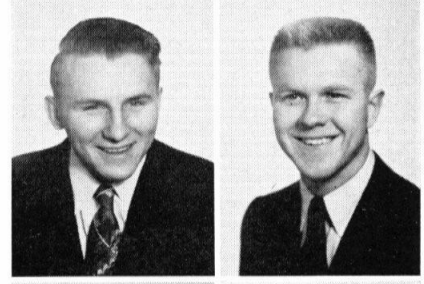
Lennart Gille
Alfred Goldman



Robert Lynam
Charles Luke



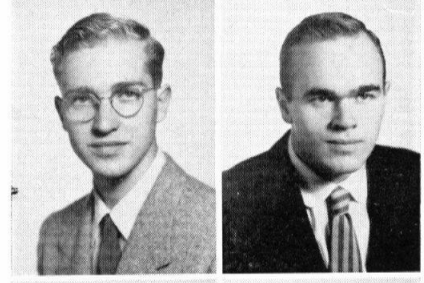
Raymond Grieser
William Haigler



Stephen Maqer
Richard Manley



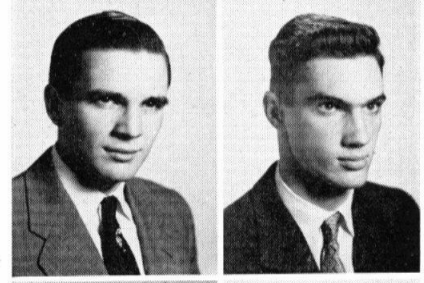
Ralph Handen
Robert Herzog



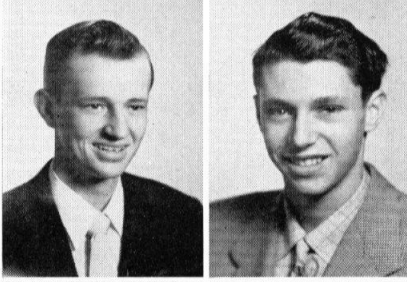
Robert Marshall
George McDonald



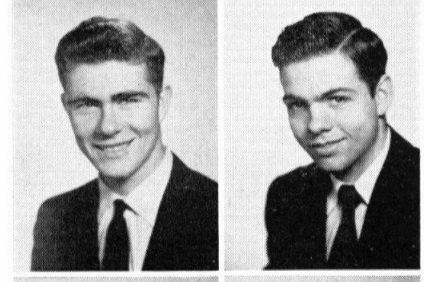
Richard Hodges
Grant Hudlow



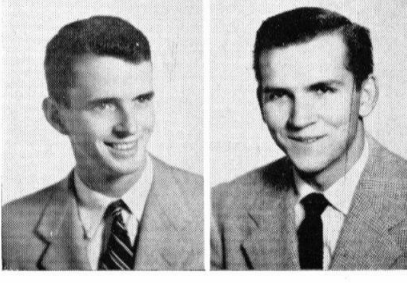
Robert Moore
John Myers



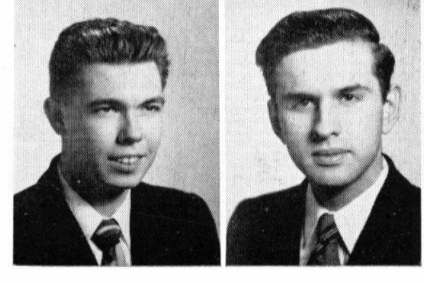
Richard Hunter
Richard Kaufman



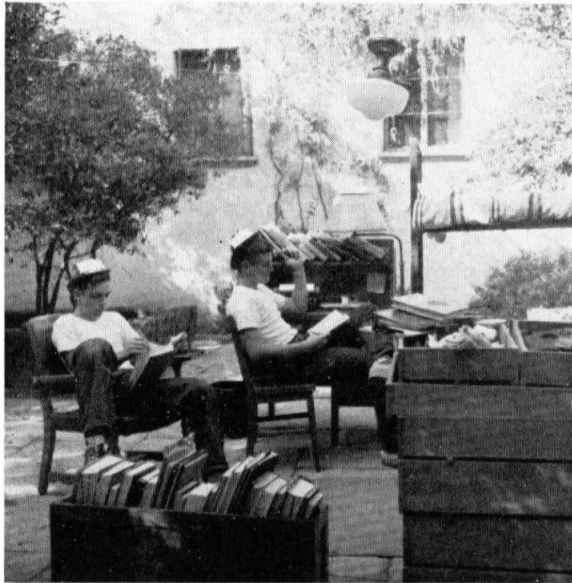
Edward Navroth
Robert Norton



John Kidder
James Koontz



Stanley Parkill
Roy Paul



FLEMING

home" for a whole term despite many challenges from the other houses.

The most important office of all, the presidency, was held down by Don Handen, who not only displayed much talent in house meetings, holding them down to a minimum of time and assessments, but he provided much of the spirit which the house is well known for.

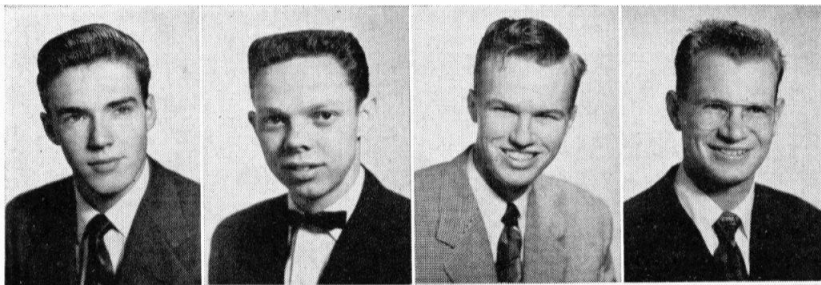
In charge of the guest program, whose introductions are always just a little bit different, was Jim Pinkerton. He showed a rare ability to keep guests in an interesting conversation as long as they were willing to stay around. Bill Barlow, house poet laureate, served as secretary, writing the house minutes in terse verse or worse. The "Crazy Korean" from Hawaii, Horace Furumoto, counted shekels and guarded the vaults of official Fleming House

currency, stationery, astutely enough to end his tour of duty with a large surplus. Jerry Vurek, librarian, guarded the house dust in the fan room when anybody was looking.

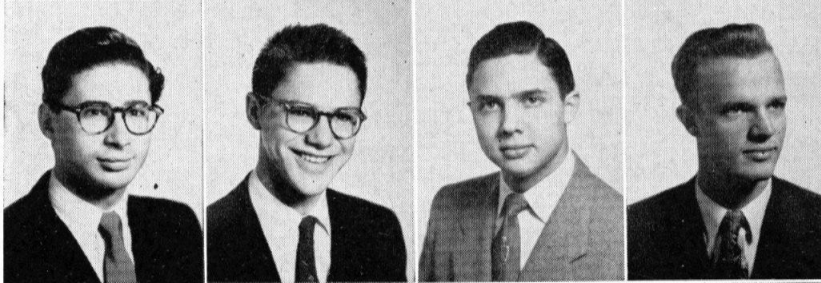
Election time found two Fleming men gaining ASCIT offices. Phil Conley was elected athletic manager and promptly rewarded the voters by starting a mumps epidemic. Bob Phelan, in a run-off vote, was elected head yell-leader.

Ray Grieser was elected president of Fleming for the coming year. To assist him Al Goldman is the new vice-president mainly in charge of guests, Mike Boughton is social chairman, Horace Furumoto and George McDonald will run the big red machine over in T.P., Dick Manley is curator of stationery and other currency, and last, but by all means least, Dave Yount is librarian.

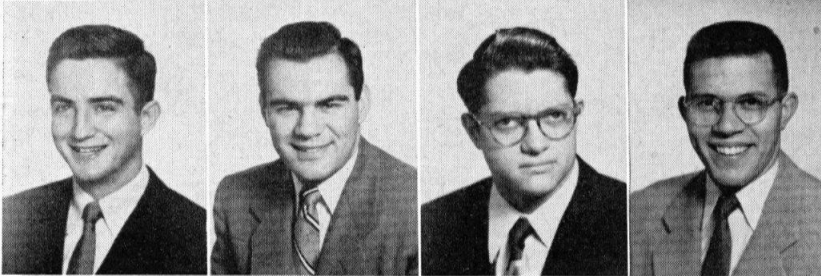




Rex Peters
Robert Phelan
James Pinkerton
Albert Pitton

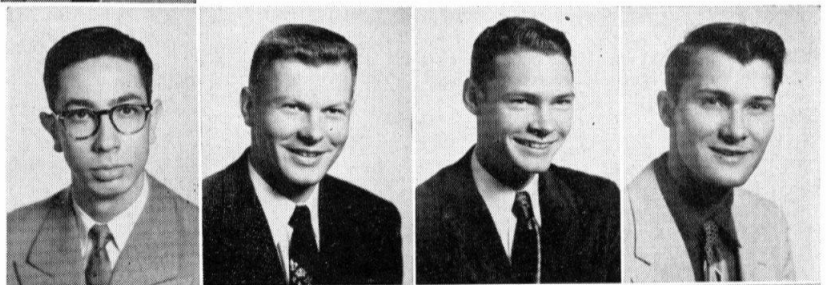


Sigmund Porter
Herbert Rauch
Walter Ravicz
Jon Robinson

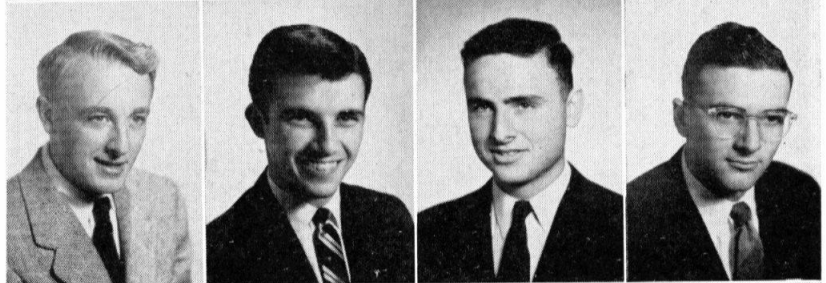


Benjamin Rosen
Ronald Saliba
Robert Smith
James Snyder

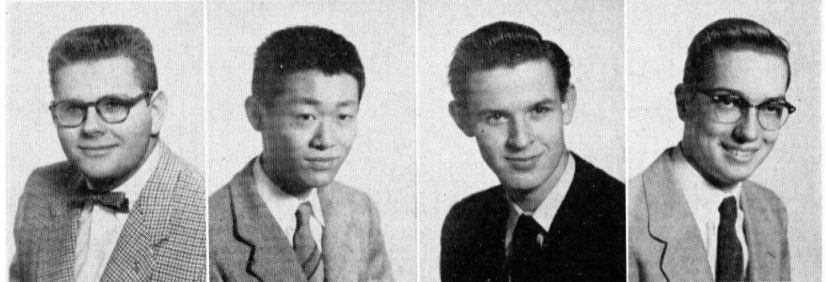
Luis Soux
Rafn Stefansson
Rodney Supple
Arlen Taylor



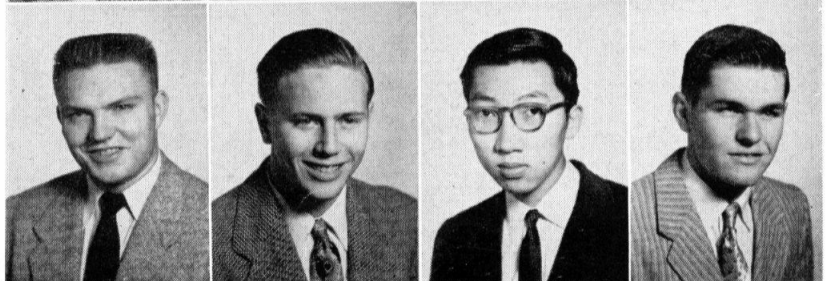
Donald Turcotte
Gerard Van Hoven
Martin Vogel
Gerald Vurek



Newman Wade
Paul Wang
James Welsh
Ray White



Larry Witlow
John Wise
Alva Yano
David Yount





Ricketts House Officers: Seated: Marinkovich, Autrey, Vodopia; Standing: Tucker, Griswold, Crocker, Schroeter.



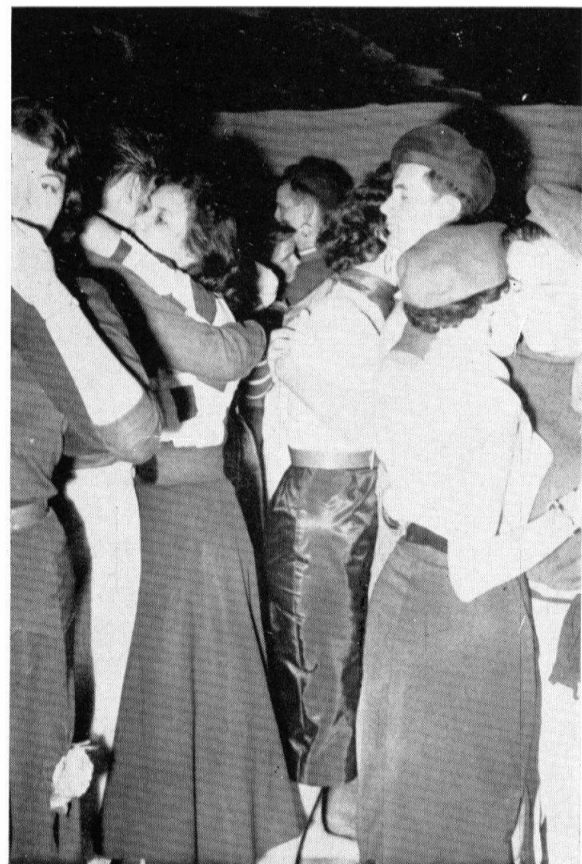
RICKETTS

Under the leadership of Bill ("Sam") Autrey, Ricketts House last year spoke from the northeast corner of the quadrangle with a louder voice than ever, as Ricketts men did more different things, did them better, and had more fun doing them.

Playing no little part behind Autrey in the success were Sam Vodopia as executive vice-president and Vince Marinkovich as secretary. Under Sam's gavel the proud institution of the Upper-Class Committee continued to function in Ricketts as it does nowhere else, while Vince did such a terrific job as secretary that in the new elections he was swept into the office of House Mother on a tide of popular demand. All this, while Phil Birkeland was breaking all records for the most times in and out of the office of treasurer.

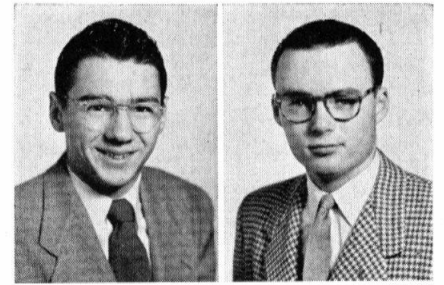
The social program never let up once, but on two occasions reached new heights. In November the house became a Wonderland of giant mushrooms, Cheshire cats with glowing smiles, and a great Jabberwock with broad mobile wings and shining eyes which watched over the way to places of darkness and evil. Frank Schroeter, social worker of the highest order, came through this Interhouse Dance with flying colors, while Jerry Crocker, his co-worker, never quite recovered, and vacated his post to let Frank finish the year as social vice-president all by himself. With a blaze of gas lamps, the social program reached another zenith in the winter term with the Seventh Annual Apache Matting Dance. In almost total darkness Rowdies and their guests could barely be made out in their strange "French" garb moving to the music. Of course no weekend went by without at least one party, and between exchanges, formals, open houses, theater parties, and every other kind of ball under the sun, Ricketts men never had a chance to stop and reflect about the advantages of co-education.

And the men in maroon extended their triumphs to the athletic field. While red coats predominated in the stands at every intercollegiate event, Athletic Manager Jim Griswold's teams took first place in basketball and second in practically everything else,

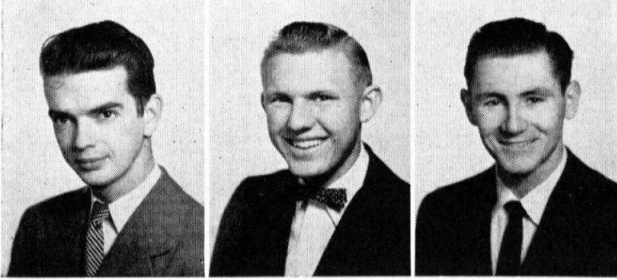




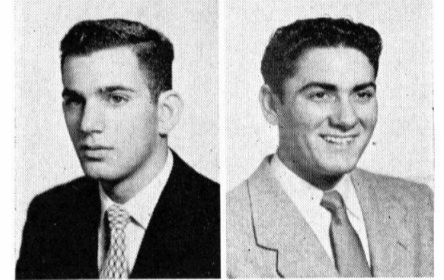
James Adams
John Adams
David Allen



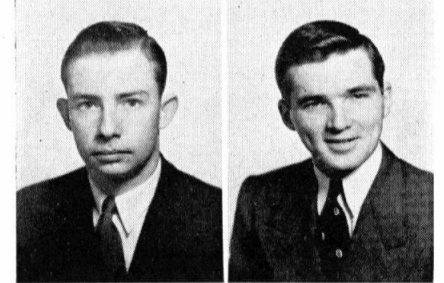
Thomas Bergeman
Philip Birkeland



William Autrey
Gilbert Beebower
Sidney Bellinger

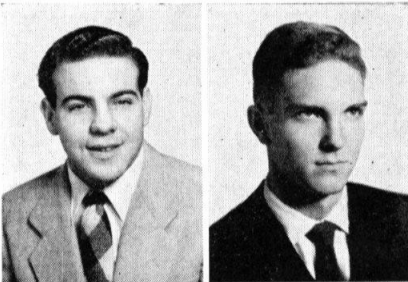


Howard Bloomberg
Louis Bogdanovic

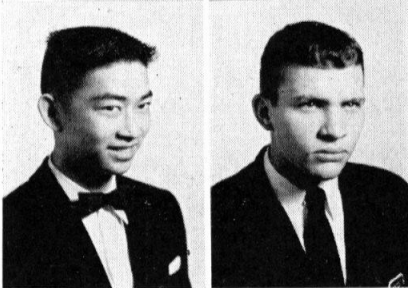


Garry Boyd
Ross Brown

RICKETTS

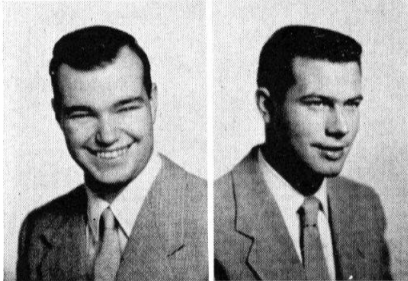
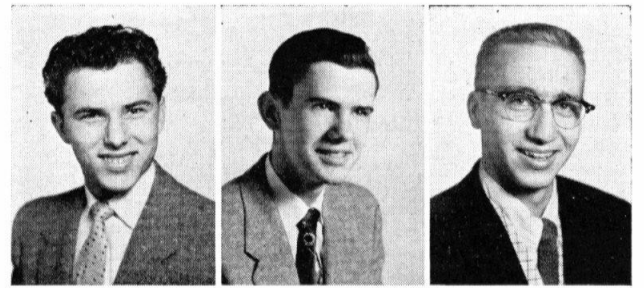


David Cantor
Daniel Chilton



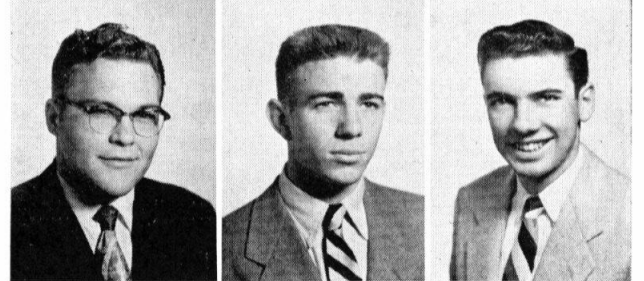
Chin-Kuang Chow
Jerry Crocker

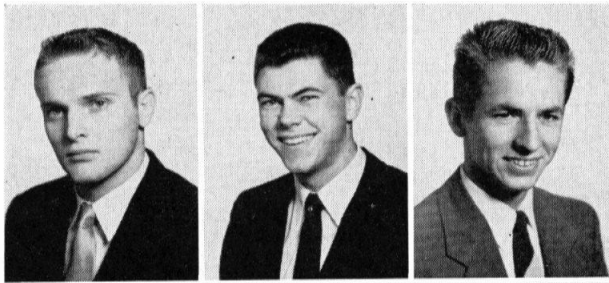
Rodney Farris
Lyman Fretwell
Harvey Frey



John Dresser
Charlton Dunn

Everett Gramer
Lawrence Griffith
James Griswold

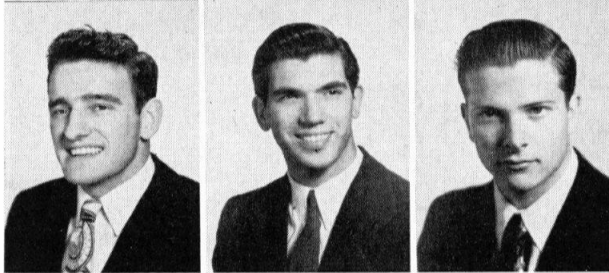




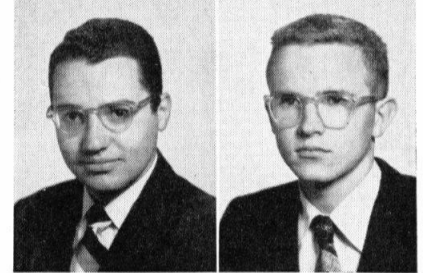
Walter Haengi
William Hecht
Charles Halsey



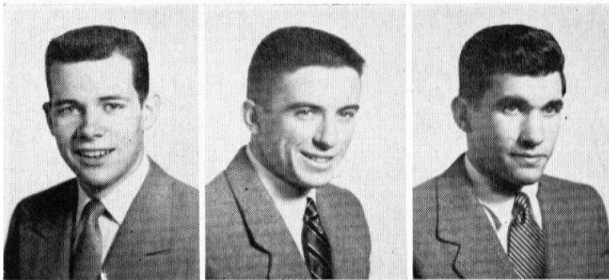
Richard Hundley
Russell Hunter



Lee Henderson
John Hickey
James Higgins

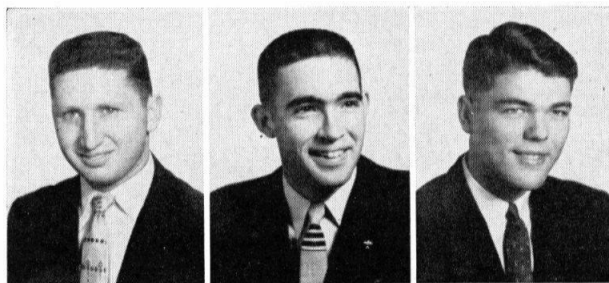


Richard Jali
Byron Johnson



Richard Johnson
George Johnston
Bruce Kaiser

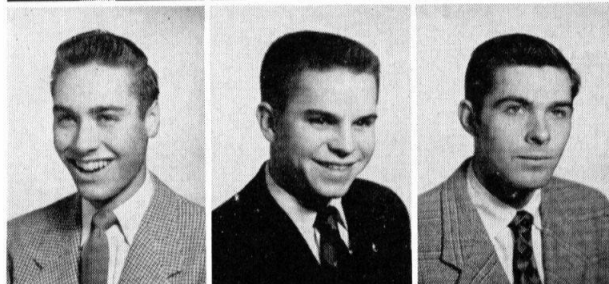
RICKETTS



Frank Kofsky
Harold Krick
Roger Lagerquist



Vincent Marinkovich
J. Howard Marshall



John Lansingh
James Lewis
Loren Linstrom



Paul McHorney
James Mebust

RICKETTS

so that at time of writing Ricketts trailed by only two points in the Interhouse Trophy race. Even Discobolus came to rest briefly on the "mantel" before moving on in his never-ending journey. The Ricketts crew, of course, was virtually unbeatable, while it yet remained for someone to explain how Ryle could take twelve ounces in two-thirds of one second.

Ricketts men not only spoke loudly but sang sweetly, and the Ricketts Glee Club pulled a first place tie with Dabney in the First Annual Interhouse Sing.

It was still impossible to go anywhere on campus without running into a Ricketts man as wheel of one group or another. Four of the Board of Directors wore red house coats—ASCIT President Moose Henderson, Vice-President George Johnston, Publicity Manager Jim Adams and Athletic Manager Bruce Kaiser — while Ricketts claimed six of the nine men on the Board of Control. Next year Adams and Marinkovich, as ASCIT president and vice-president respectively, will again represent Ricketts in ASCIT affairs.

Five of the seven editors of the California Tech, as well as the business manager and circulation manager, were from Ricketts. Editor of the Little T,

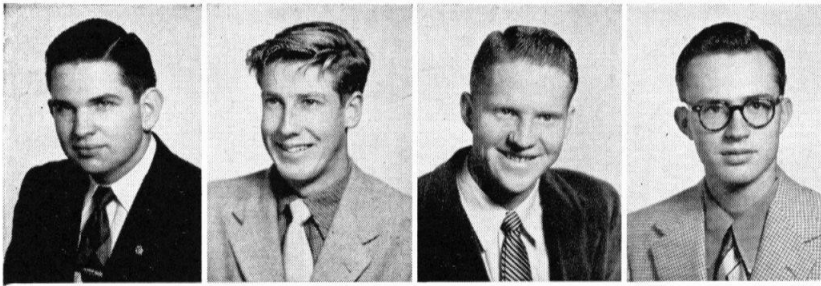
President of the Drama Club, Students' Day Director (and most of his committee), and most Sailing Club officers were Rowdies. Next year's president of the Caltech YMCA is Ted Matthes of Ricketts.

Ricketts' new frosh class lost no time in getting into activities. Forty per cent of the frosh football team, fifty per cent of the frosh baseball team, and six of the eight freshman class officers were from Ricketts.

As if this weren't enough, Rowdies continued to live up to their nickname with the lion's share of water fights and raiding activities. In the fall twenty-four adventurous Rowdies gave premature birth to Oxy's "beat Pomona" bonfire — with twenty-five per cent casualties, as six came home hairless. The brake drum rested safely in the hands of the class of '56, as the frosh failed even to get their hands on it twice. And a man who walked across the Ricketts courtyard at noon on a warm day took his life in his hands — or, if not his life, his dry clothes.

The voice of Ricketts spoke louder and stronger than ever last year; and the outlook for next year, under the lead of superb tenor Don Roberts, is bright.

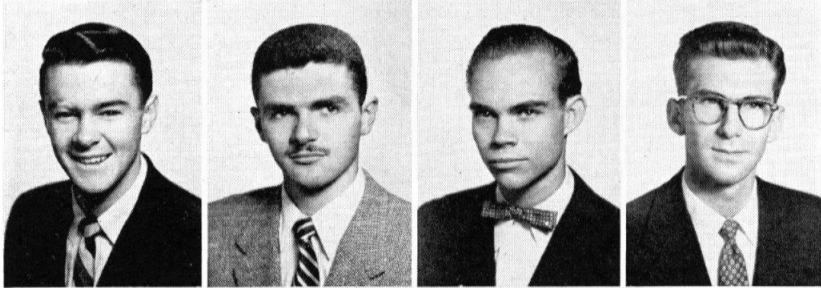




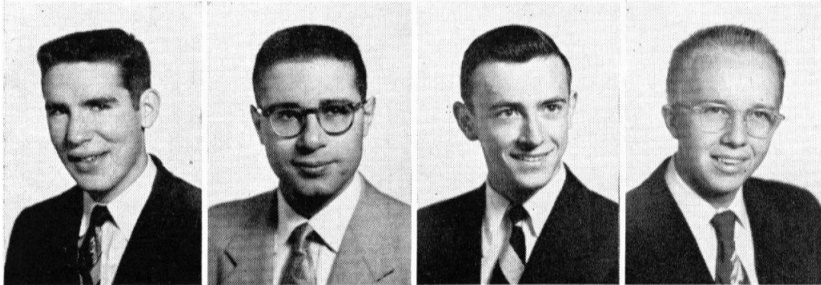
Reuben Moulton
Edward Park
George Patraw
Donald Pinkerton



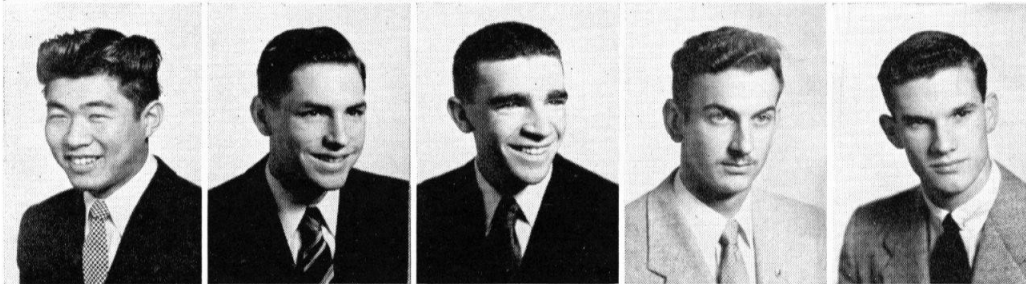
Richard Pratt
Ronald Ratney
A. Stuart Richart
Douglas Ritchie



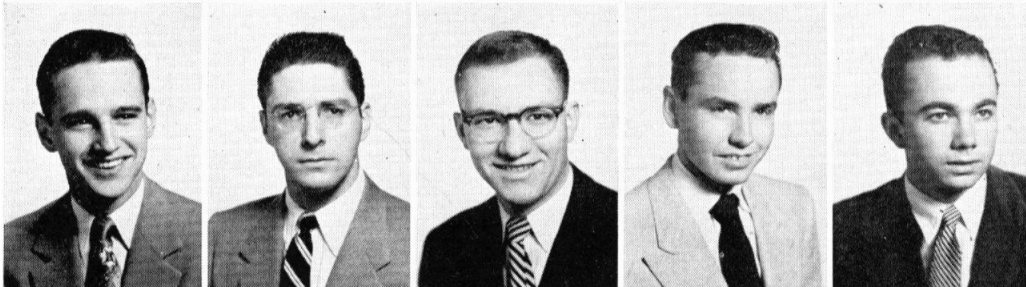
Donald Roberts
Jack Rocchio
Howard Rumsey
Robert Ryan



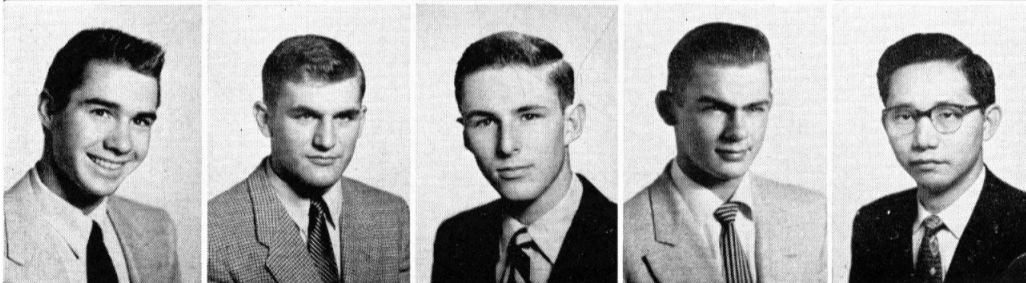
Frank Schroeter
Bernard Schweitzer
Thomas Slinger
Roy Stake



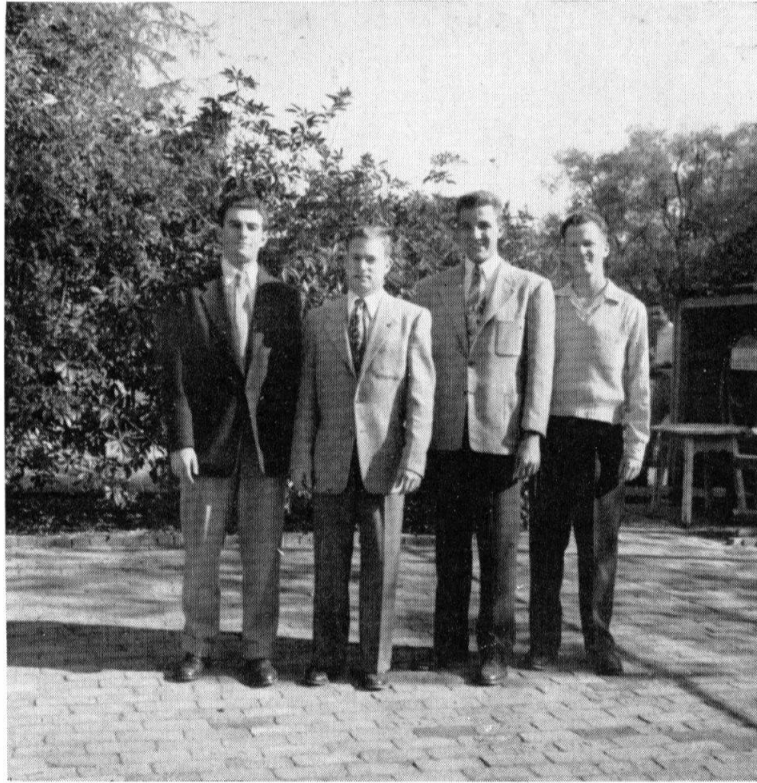
Arthur Takido
Martin Tangora
David Tansey
Jeffry Tucker
Thomas Tyson



Richard Van de Houten
Samuel Vodopia
John Wall
Ronald Wann
Bruce Watkins



Charles Wheatley
David Workman
James Workman
Merle Wyatt
Tetsuo Yamane



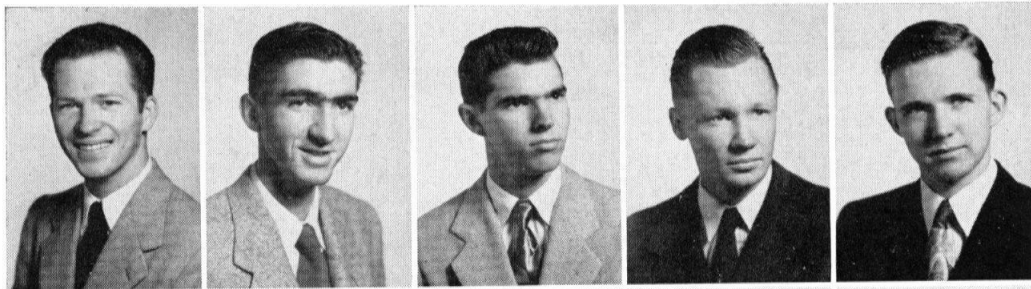
Throop Club Officers: Morden, Lloyd, Kaiser, Andelin.

THROOP CLUB

Have you ever wondered where the off-campus man goes after he's been wiped out in class? He doesn't jump into the third sub-basement of Robinson. Instead, he goes to the only place where the atmosphere suits his mood: Throop Club. There he can lose himself with the lost soul card sharks, or forget his troubles with the ninety pure ping pongers. However, this is not the sole extent of daily action. Precisely at 10:30 a.m. all trivial activity stops. Armed with encyclopedias and snakes, the Throops begin their telephonic race of wits with the housewives of America on "Merchant's Quiz." At the outset of the third term the Club had

received such priceless rewards as Barf's beverages and nylon hose, not to mention the hayrides for four which formed the backbone of third term's social program.

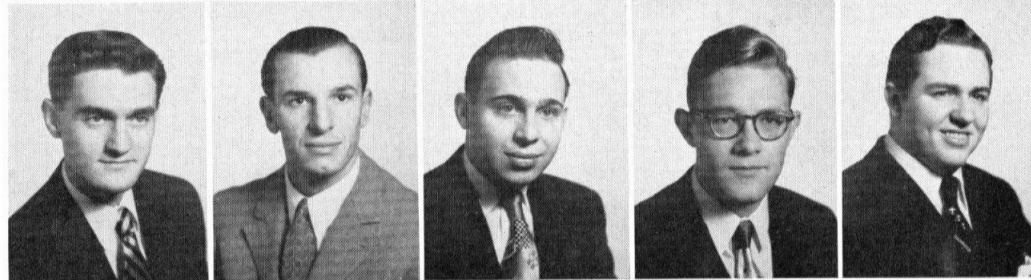
Throop Club spent its weekends in the usual rut, with socials such as the annual meeting of the Association of Thieves, Murderers, and Rapists (admission being granted only to a proven few) and the Reward (?) Party, where all deserving members were awarded a beautiful blind date by a considerate fellow member. Needless to say, a good time was had by all, even the stags.



John Andelin
Fred Anson
Gene Barnes
Arlen Bell
Robert Biles



John Billings
John Bondra
Stuart Bowen
Carl Bowin
John Burrow

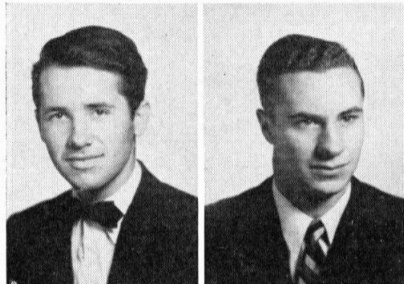
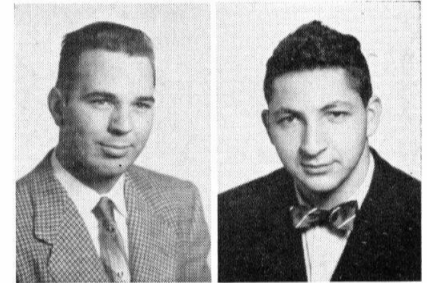


George Corporales
Vincenzo Cestari
Mark Cher
Ronald Cochran
Glen Crabbs



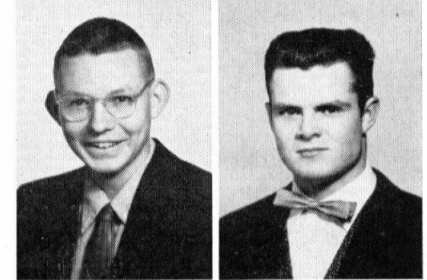
William Creighton
Howard Crosswhite

Eugene Dryden
Herbert Dubb



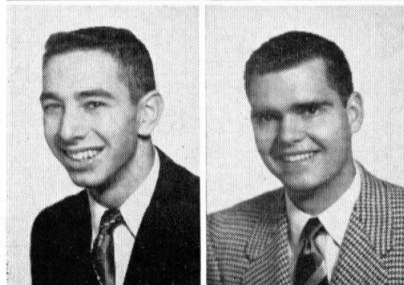
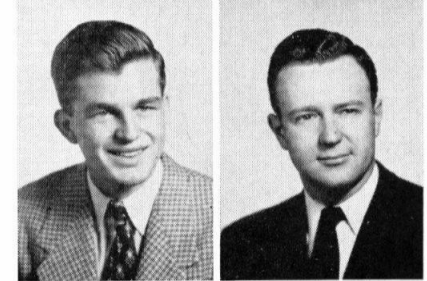
David Crowther
J. Scott Davidson

Jerry Eggleston
Craig Elliott



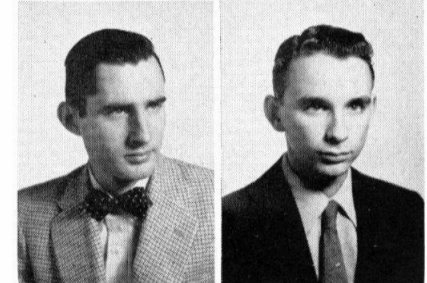
W. Ben Davis
William Dibble

Ronald Fuchs
Alfred Gale



Donald Doctor
Richard Dondanville

Alexander Gansa
Gary Gayron



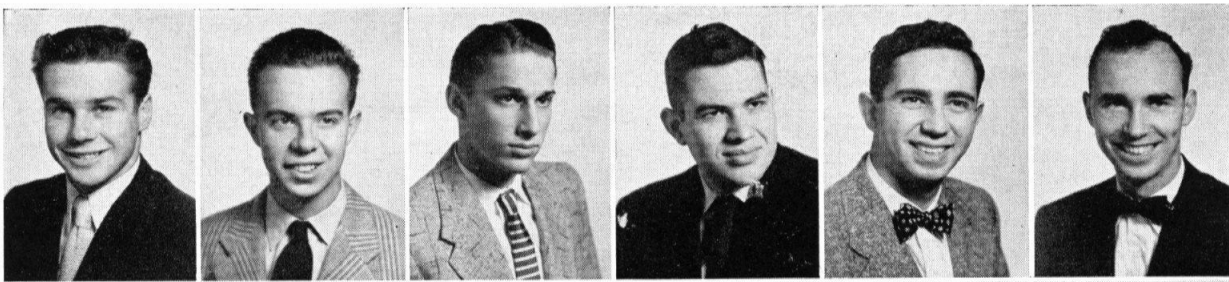


THROOP

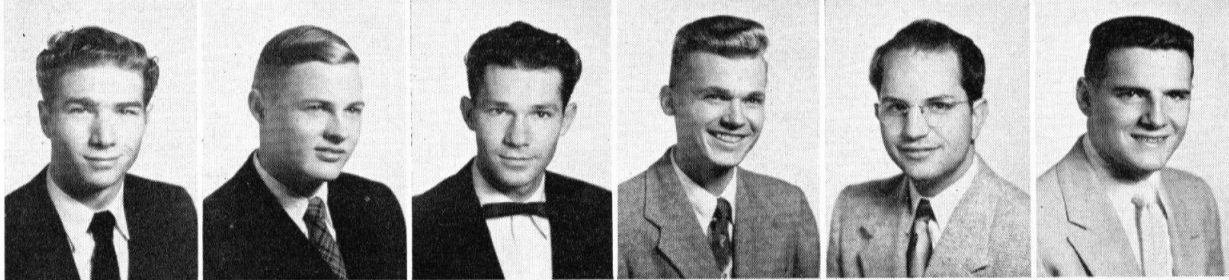
But all was not dissipation. Social chairman Gene Kaiser's "Manhattan Project," the reconstruction of the Temple of Isis, saw even Ed Gold working. The result of this labor was the Club's Interhouse Dance decorations, complete with a twenty-foot god, modeled by Kaiser himself, a fitting tribute to Gene's genius.

The last place standing in interhouse athletics might give the casual observer the impression that the club lacked spirits or muscles. The truth is that Throop's athletes have turned professional. Ricketts saw a sample of the Throop potential when Lukesh and Crawthers literally ran away with Discobolus by winning all four events. Johnny Lloyd, Joe Graetch, and "Twitch" Taylor added insult to injury, and left the Ricketts runners with little more than tired legs to show for their efforts.

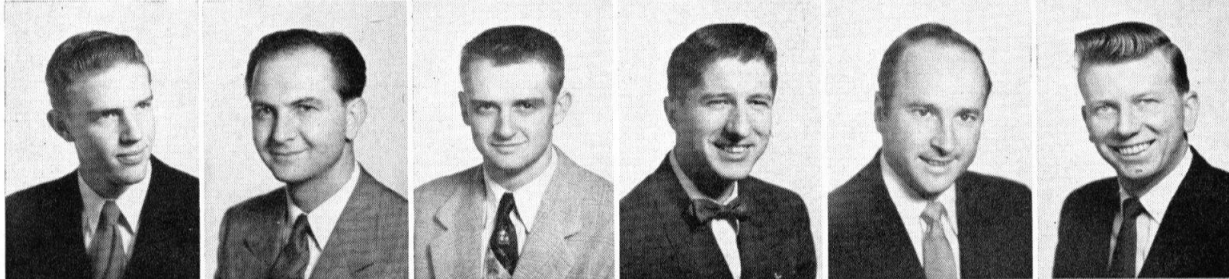
The days of penniless officers has come to an end with the election of Bob "I stand for graft" Christian to relieve Honest John Andelin of his I. O. U.'s. The other saints of 1953 consisted of president John Lloyd, veep Mannie Mordon, social chairman Gene "Live a little" Kaiser, and athletic manager Jim Lloyd. The devils infiltrating for 1954 are Satan John "Jack" Andelin, Jim "Beelzebub" Lloyd, keeper of the scribbles "Twitch" Taylor, muscle manager John Lukesh, and of course, crafty, grafty Christian.



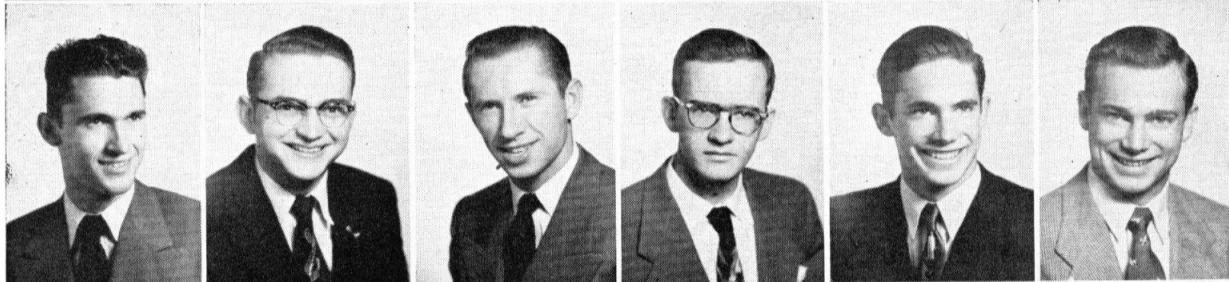
Robert Gelber
 Charles Goebel
 Allan Goldberg
 Melvin Goldberg
 Roger Golden
 Joseph Graetch



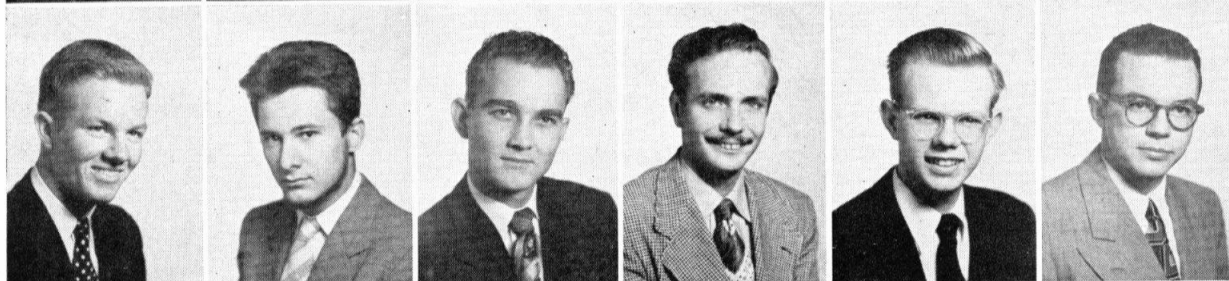
James Hall
 John Honsaker
 Paul Harrison
 Gerald Hooper
 Richard Hyde
 Kirk Irwin



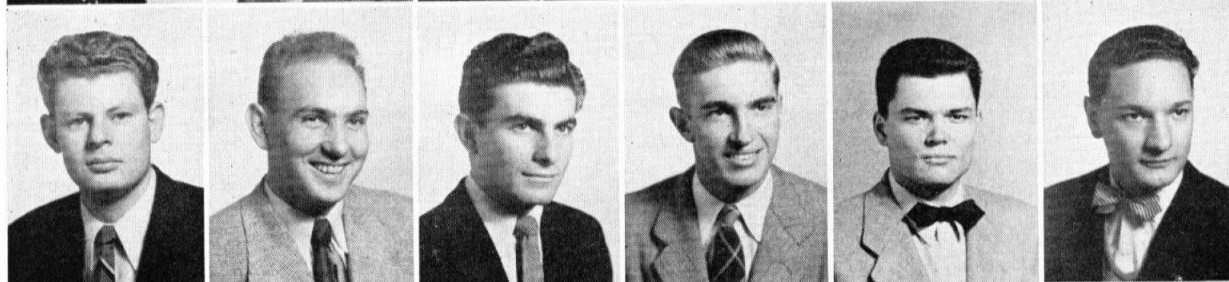
Wilfred Iwan
 Weldon Jackson
 Curtis Johnson
 Harvey Johnson
 Francis Joyce
 William Kerr



Louis Kilchenman
 Gerald Klaz
 Harold Kramer
 William Lindley
 James Lloyd
 John Lloyd



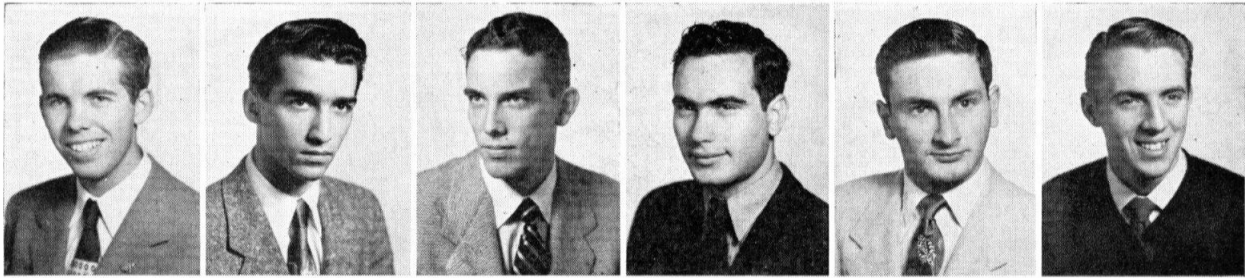
Truman Long
 Pierre Mahieux
 Norman Marsteller
 Robert Meade
 Don Nierlich
 Philip Miller



Theodore Matthes
 Hans Mol
 Manuel Morden
 John Moser
 Gordon Munn
 Marco Negrete



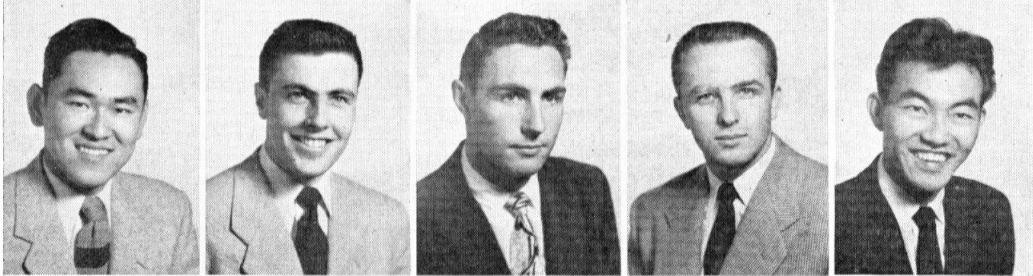
Edwin Nelson
 Eugene Nelson
 Richard Nielsen
 Vern Nogle
 Thomas Noonan
 James Okada



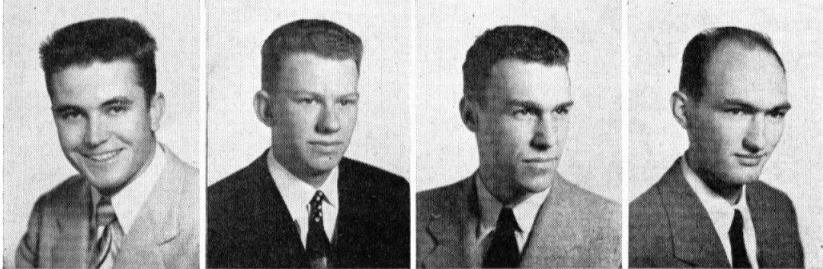
Robert Olson
 Richard Piccolini
 Philip Potter
 Gerald Pressman
 Richard Read
 Donald Reiterman



James Robins
 Howard Shanks
 Garson Shulman
 Neal Smith
 Robert Speiser
 Stephen Stewart



Takeshi Sato
 Simon Tamny
 Alan Teague
 James Townsend
 George Wada



Richard Webber
 Daniel Wenger
 Harper Whitehouse
 Robert Chapkiss

THROOP CLUB

and

OFF CAMPUS



STUDENT HOUSE STAFF

Student House Staff: Mrs. Lang, Miss Yurich, Mrs. Simmons,
Mrs. Southworth.

RESIDENT ASSOCIATES



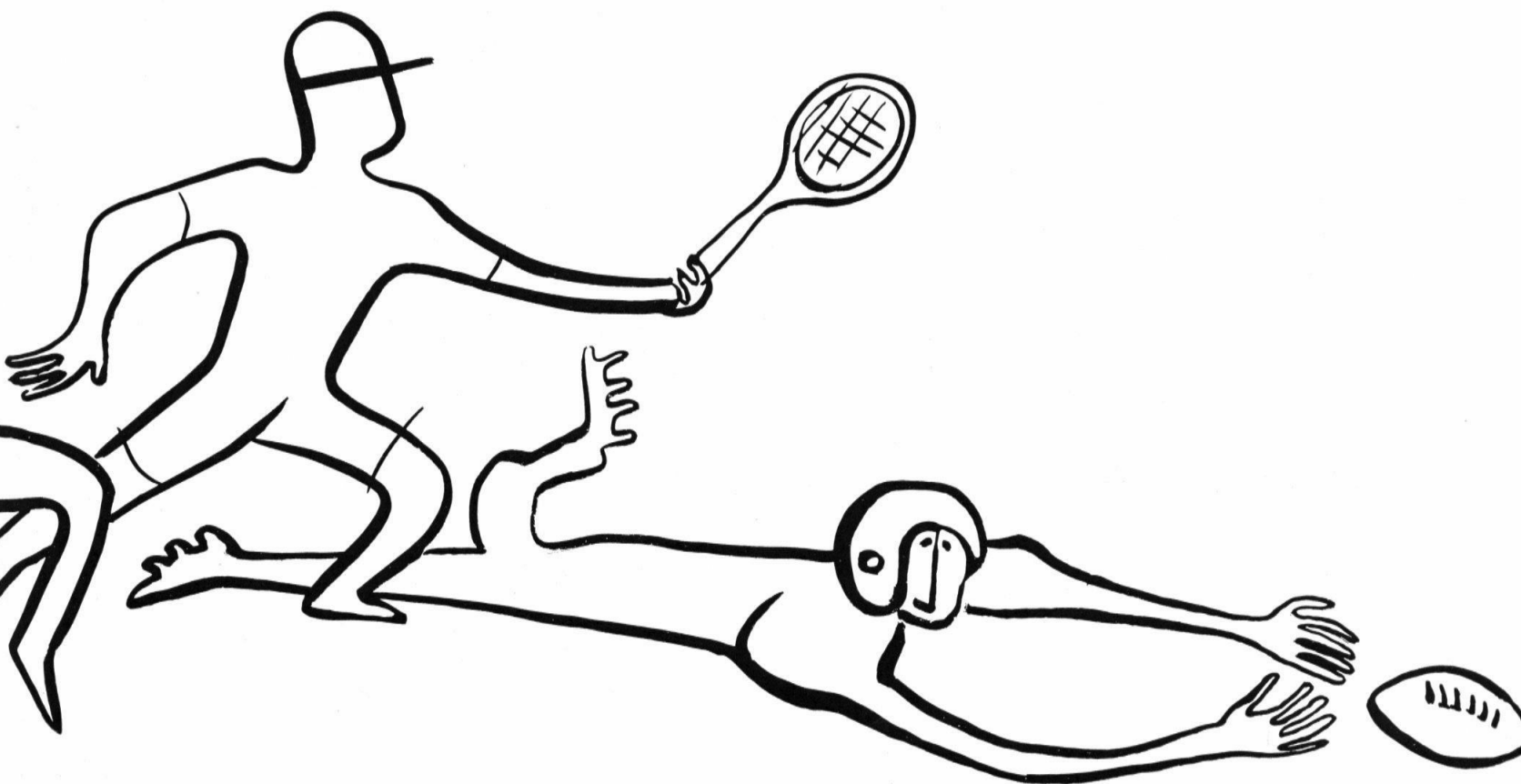
Resident Associates: Floyd Humphrey, Doug Campbell, George Tanham, John Rucknick
Bill Karzas.



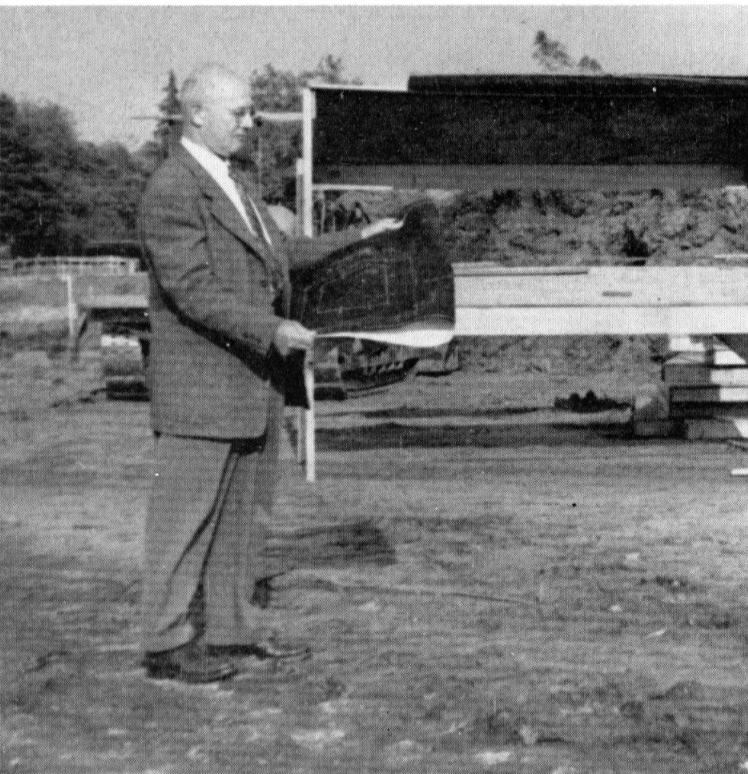
Mrs. Hale



SPORTS



ATHLETIC OFFICE

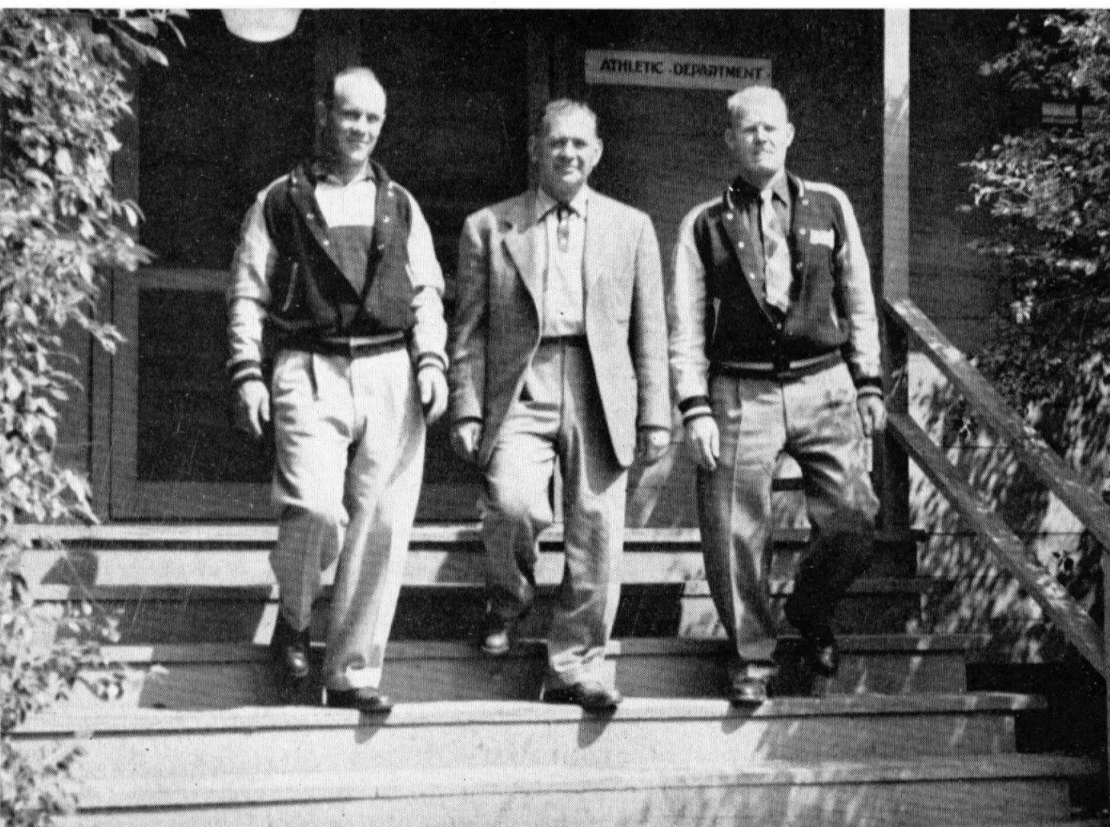


Athletic Director Hal Musselman



Miss McGee, Mrs. Kerns

Coaches Ed Preisler, Bert LaBrucherie, and Jim Nerrie

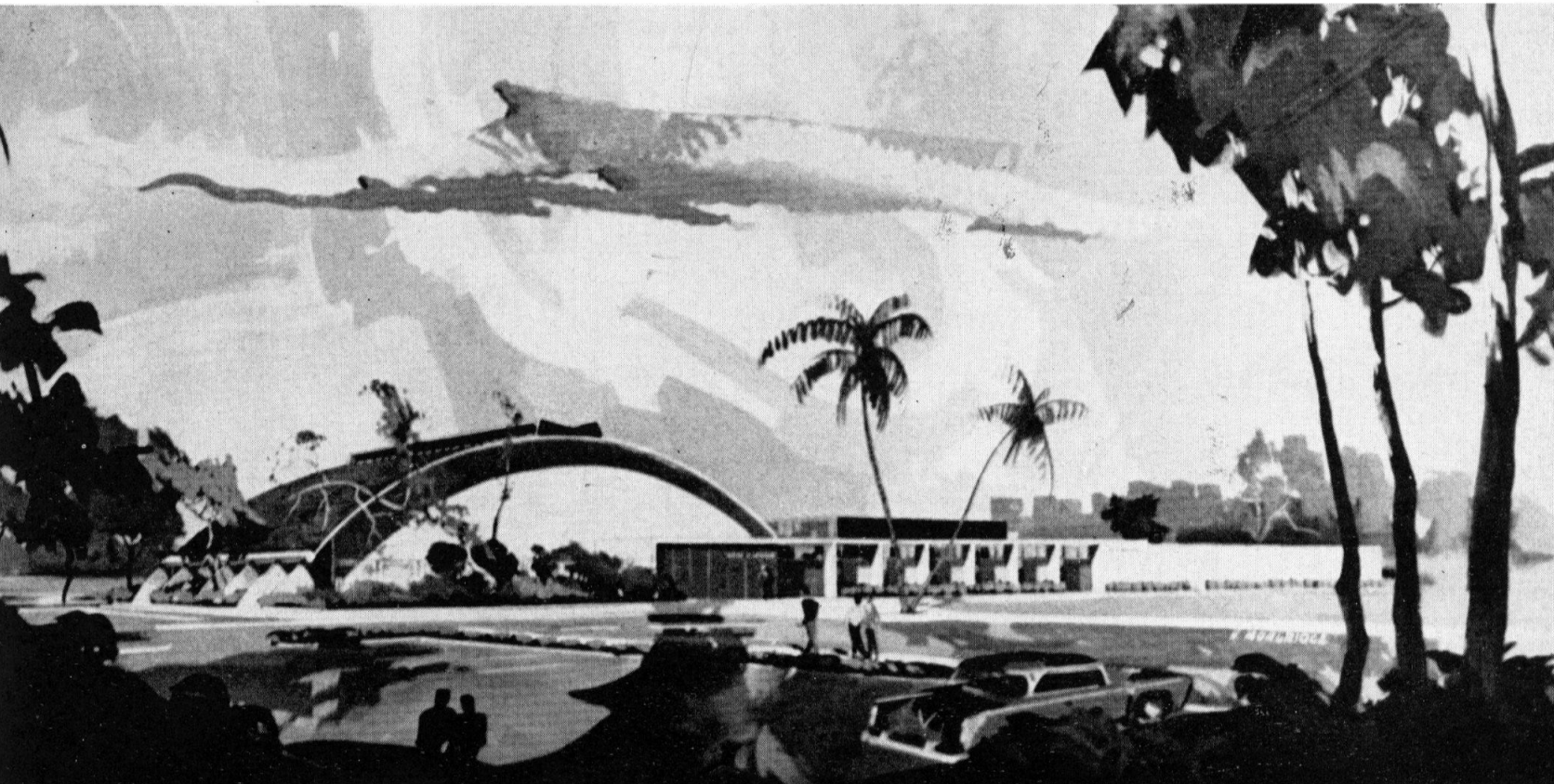




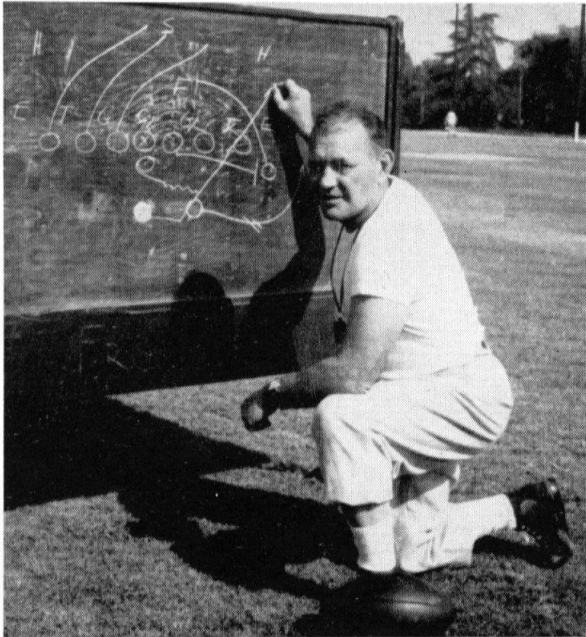
The Scott Brown Gymnasium and Alumni Swimming Pool under construction

CAL TECH'S NEW ATHLETIC CENTER

The Athletic Center as it will look when completed on October 1, 1954

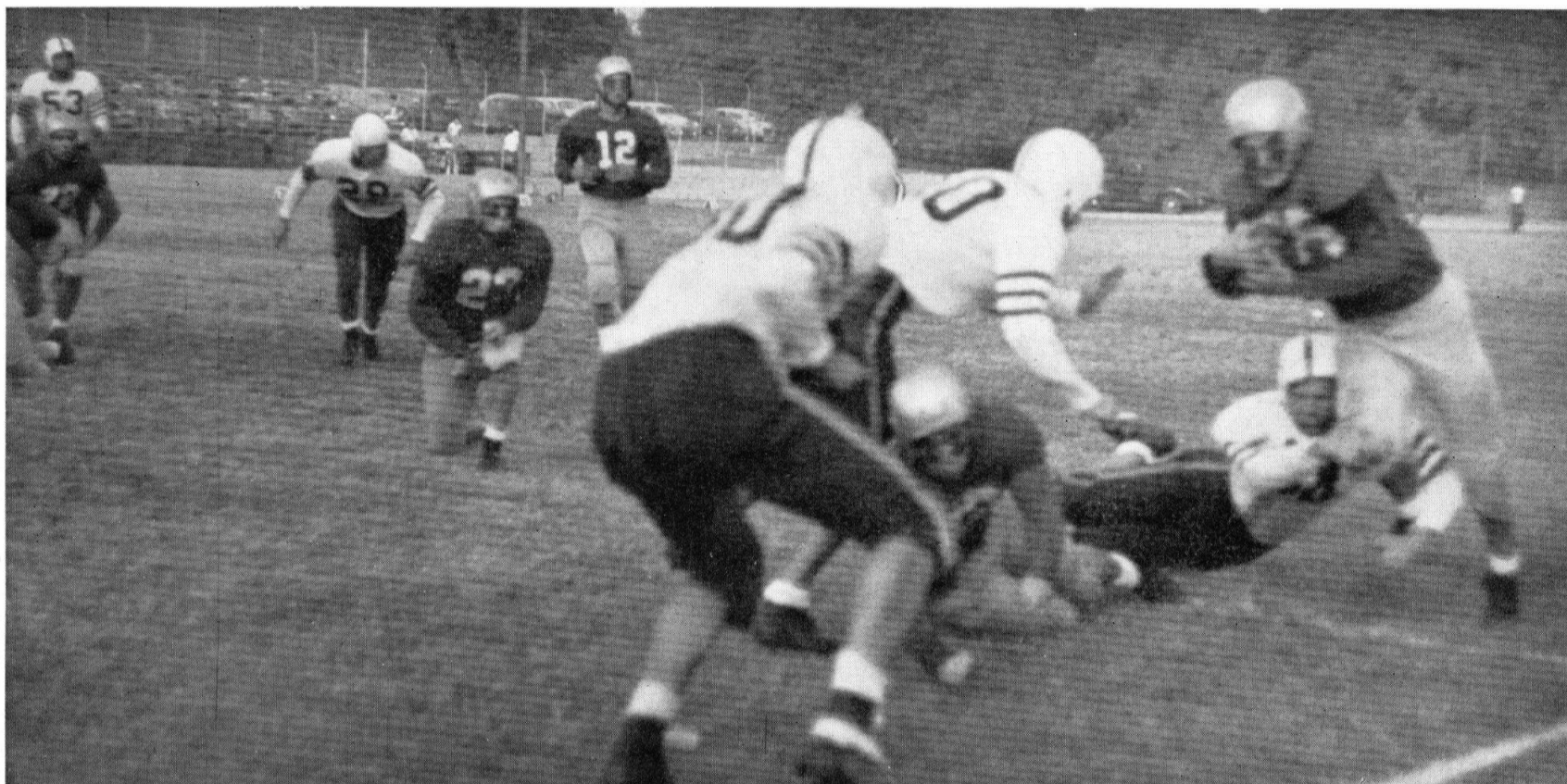


FOOTBALL



Coach Bert LaBrucherie

Although this year's footballers failed to score a win, it can be safely said that the team never lost its spirit. Not one of the twenty-five team members ever quit. It was a fighting ball club, lacking experience and depth, that played so well against a tough Oxy eleven. The team's thanks go to coaches Bert LaBrucherie and Pete Mehringer for their inspiring aid. At the fall sports banquet, co-captains Lynn Abbott and Hugh Taylor became co-winners of the Wheaton Trophy for good sportsmanship and great personal influence.





Standing: Coach Pete Mehringer, Steve Nathanson, Barry Raleigh, Van Bluemel, John Hickey, Pete Finley, Del McCune, Martin Vogel, Dave Workman, Coach Bert LaBrucherie. Kneeling: Art Takido, Jim Snyder, Walt Menetrey, Bob Christian, Collis Holladay, Kyle Bayes, Dick Manley, George McDonald, Manager Dave Clark. Sitting: Phil Conley, Art Miller, Hugh Taylor, John Goetten, Lynn Abbott, Lee Henderson, Ron Saliba, Chuck Lehman, Ray Grieser.

REDLANDS 27 CALTECH 6 . . .

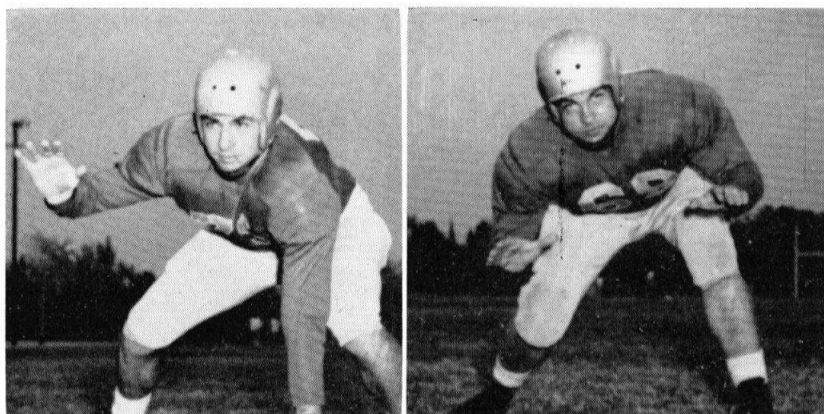
The Redlands Bulldogs played host to the CalTech Beavers on Sept. 26 and handed them their first loss. Play of the game for the Beavers was Q.B. Phil Conley's interception and 54 yard scamp setting up Tech's lone tally. Walt Menetrey later smashed across for the score. The Tech line held the Bulldog's ground game down, but three touchdown passes told the story.

SAN FRANCISCO STATE 52 CALTECH 0 . . .

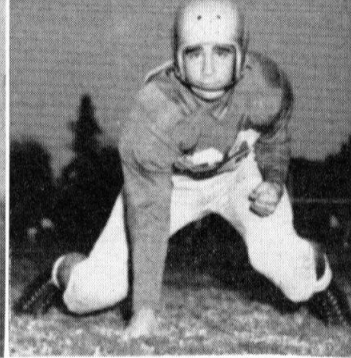
After a memorable plane trip to San Francisco, the Beavers settled down to ball game with S. F. State on October 9. But the speed and passing of the State team was too much for the inexperienced Tech eleven. The Beavers failed to click with a scoring combination and the game ended with the score 52-0.

POMONA 28 CALTECH 0 . . .

The Beavers met their second league foes, Pomona, at the Rose Bowl. The Sagehens had a lot of surprising power on both offense and defense and held the Techmen scoreless. Art Miller showed fine defensive ability in the Beaver line, and a Conley interception brought the Tech fans to their feet. But Pomona, who later became league champs, were too much for the undermanned Tech team.

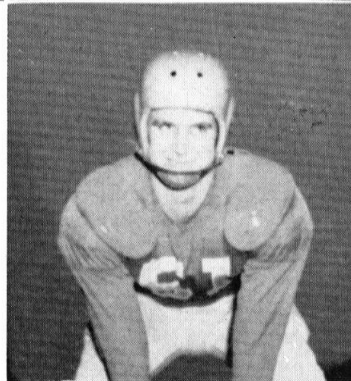


Co-Captains Lynn Abbott and Hugh Taylor.



Ray Grieser

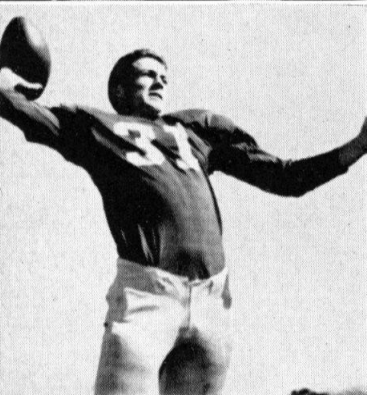
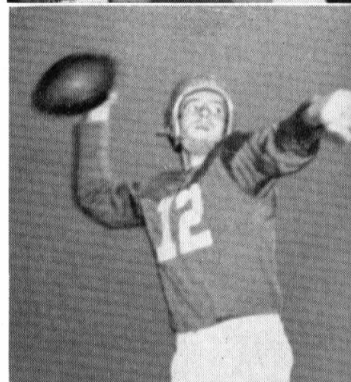
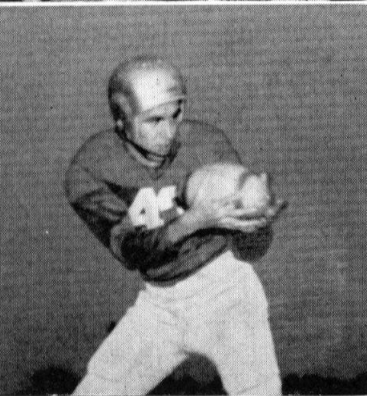
Moose Henderson



John Hickey
Collis Holladay
Chuck Lehman
Dick Manley

REDLANDS 33 CALTECH 13

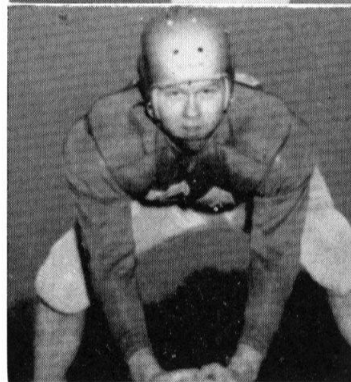
The Beavers played host to the Redlands team in their second clash of the season at the Rose Bowl. Although the Beavers outgained the Dogs, Redlands managed to take the breaks and score. Blocked kicks, fumbles, and pass interceptions were Tech's downfall. The Beaver defense played well, but the offense could only score twice—a Lehman to Conley pass for the first, and a Conley 78 yard "sneak" for the second.

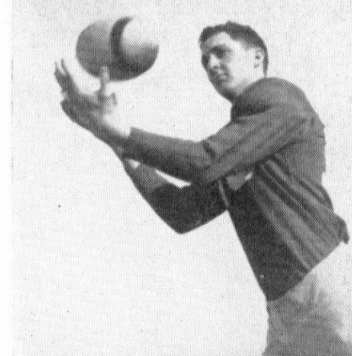
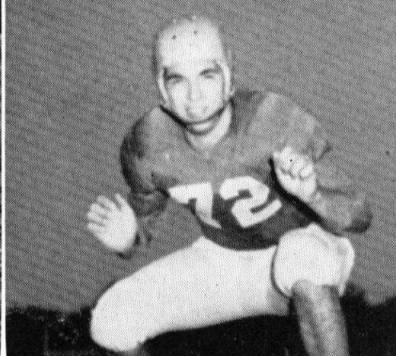
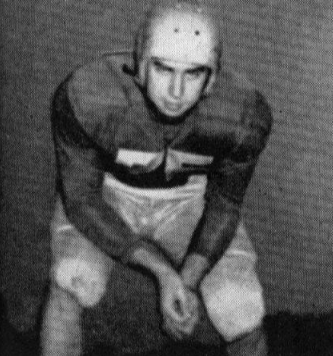


WHITTIER 46 CALTECH 6

Tech met the Whittier Poets on October 24 for their third league contest. The Beavers outdowned and outran the Poets, but lost 46-6. Again the passing of the Whittier eleven spelled doom for the Tech team. Quarterback Phil Conley scored our only TD.

Kyle Bayes
Van Bluemel
Bob Christian
Phil Conley
Pete Finley
John Goetten





John Meyers

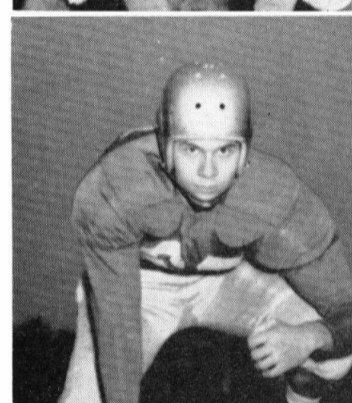
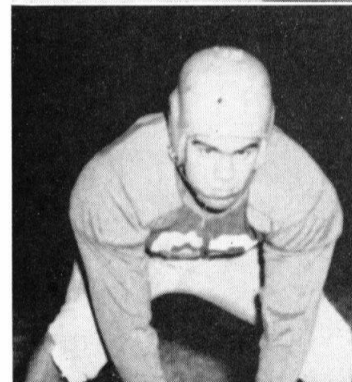
Steve Nathanson



Del McCune
George McDonald
Walt Menetrey
Art Miller

POMONA 26 CALTECH 6

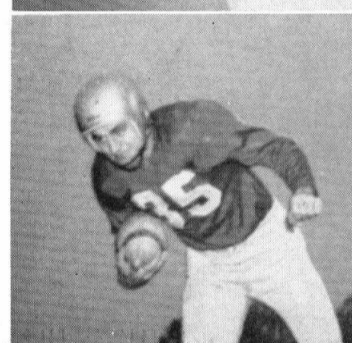
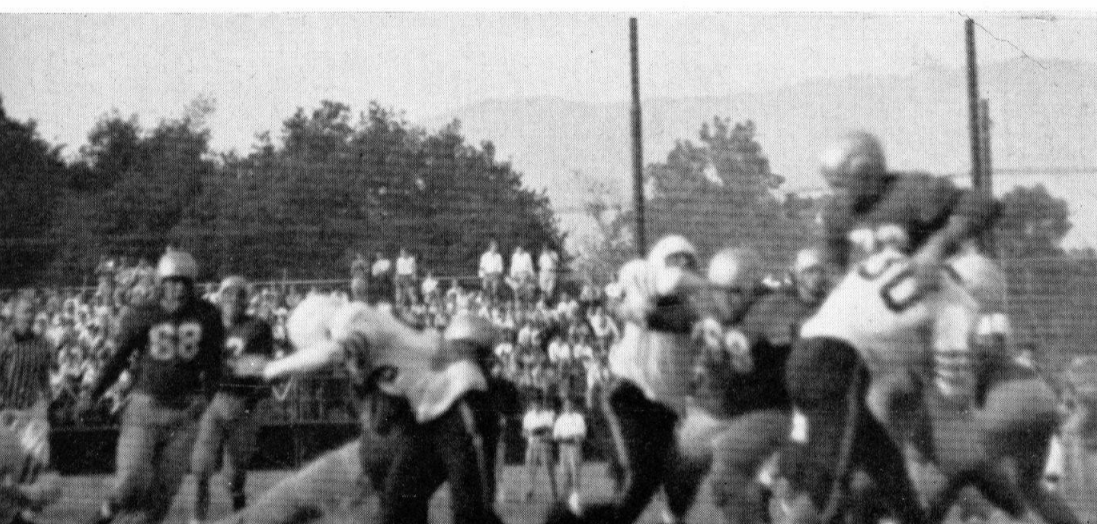
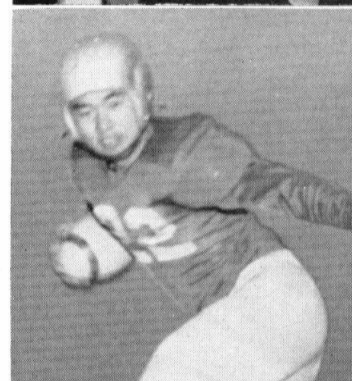
The Pomona Sagehens played host to the Beaver eleven for their second meeting of the season. The sun as well as the pounding Poet line slowed the Beavers and they finally bowed to a 26-6 defeat. The lone Tech score was an end smash by QB Phil Conley. Sophomore John Hickey put in a fine performance at tackle for the Beavers.



OCCIDENTAL 18 CALTECH 12

A spirited Tech eleven showed up at the Rose Bowl on November 13 for their last game of the season; the game with Oxy. The Techmen were eager to win from the start and never faltered the whole game. If Oxy would drive down the field, the Beavers would push them back. Although the score ended 18-12, the CalTech fans were convinced that theirs was the better team. Tech scores were by Phil Conley and halfback Art Takido.

Barry Raleigh
Ron Saliba
Jim Snyder
Art Takido
Martin Vogel
Dave Workman





Bruce Kaiser

A week before our first game, Bruce Kaiser, first string quarterback, broke his hip in a scrimmage with LaVerne. This tough break kept Bruce from the gridiron for the entire season. When he was finally able to get out of bed, he would never miss a game encouraging the team from the bench. The Techmen give 15 cheers for the little "Mouse."

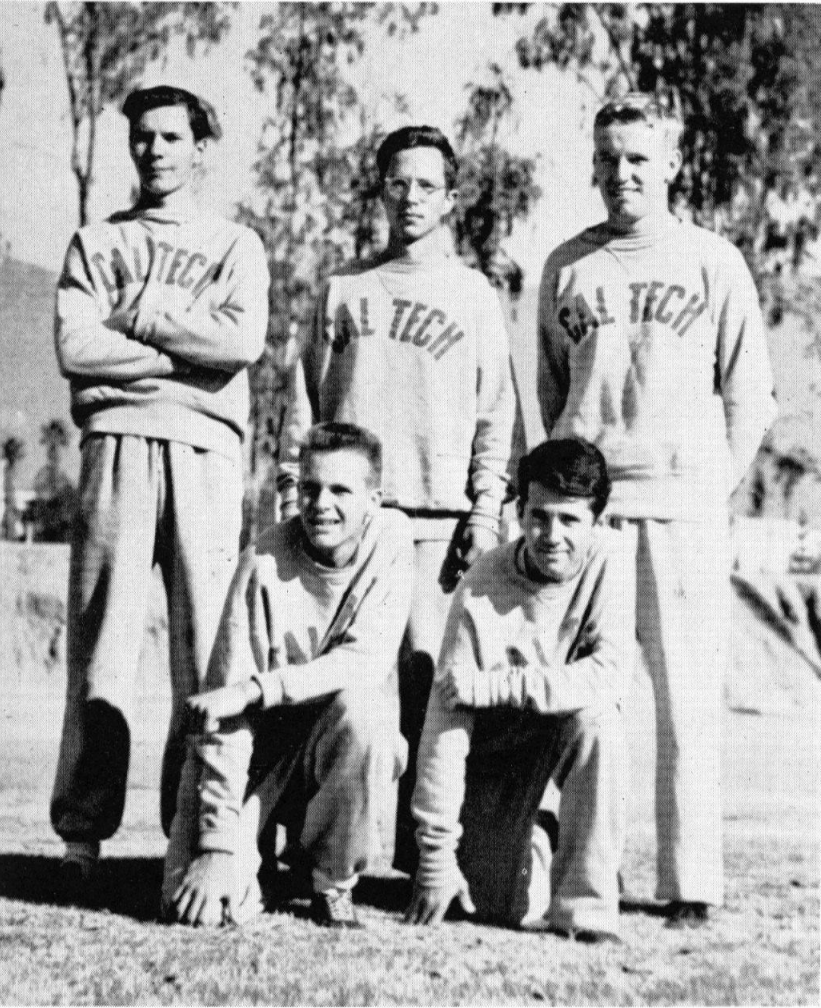
FROSH FOOTBALL

Blessed with a minimum of experience, this years Frosh footballers were unable to hit the win column losing to Redlands, Oxy, and Pomona. Hard luck hit the plucky squad when Q.B. Jim Mebust was injured in the first game keeping him out of action for the rest of the season. Frank Steger subbed in at that slot and did a fine job. Hard hitting guard Jay McBride also proved to be an asset to the team. Coach Preisler can be proud of his boys and the varsity eagerly awaits the aspiring candidates.

First Row: Dick Morse, Stuart Richert, George Hall, Don Doctor, Frank Steger, Jerry Swedlow, Dick Miller, John Lukesh. Second Row: Frank Kress, Manager; Al Goldberg, Fred Ishihara, John Varaday, Bob Gelber, Bill Mœur, Jerry Peck, Gene Wyatt, Larry Griffeth. Third Row: Bill Dietrich, Bill Iwan, Marty Tangora, Jerry Klaz, Blaine Navroth, Ed Nelson, Mike Bleicher, Coach Ed Preisler.



CROSS COUNTRY



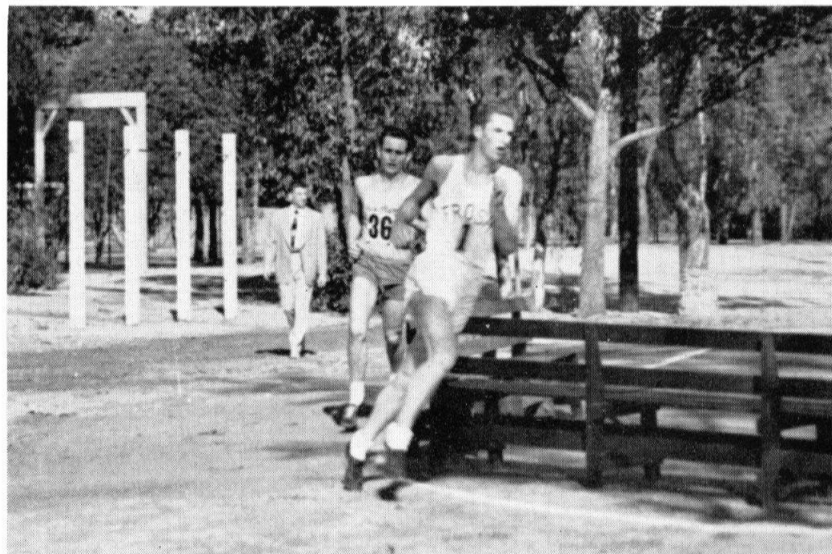
Leigh Gardner, Don Lewis, Bob Tambling, Dave Crowther, Van Walkley

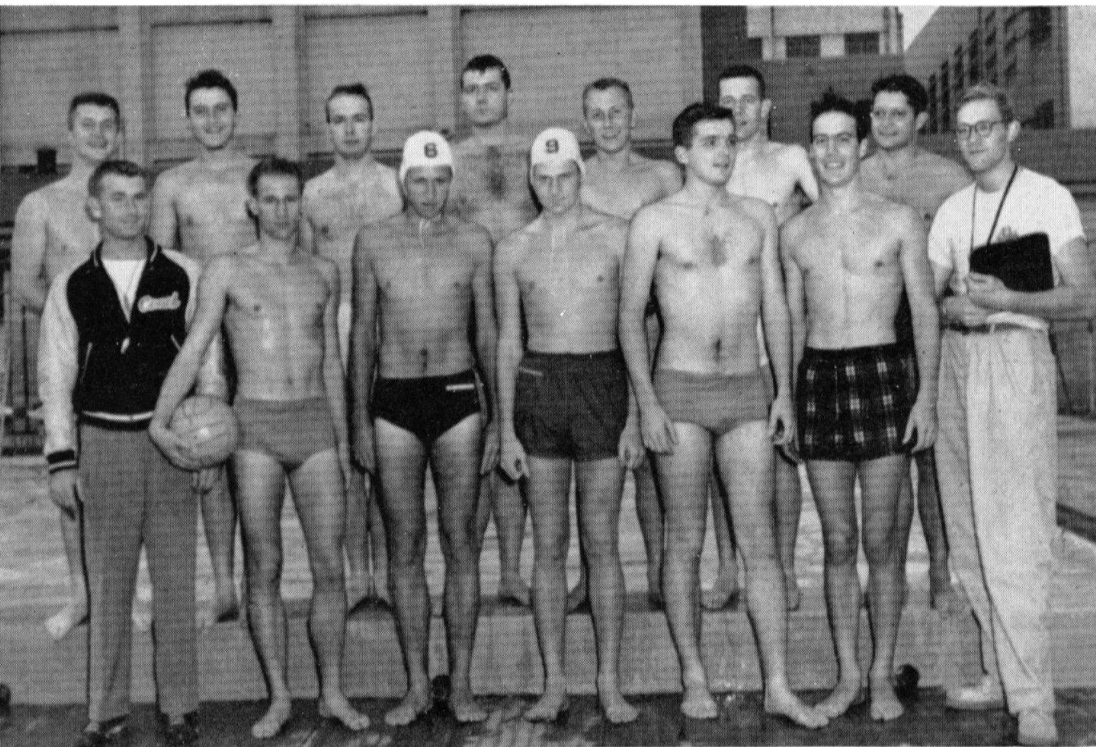
J. D. Cole led Cal Tech's harriers to a successful season this year losing only to top-rated Whittier and Oxy. Captain Dave Crowther and his teammates defeated Muir, Redlands, Pomona, Cal-Poly, and Chapman. Second seated Don Lewis with Van Walkley, Bob Tambling, and Leigh Gardner helped keep the Tech score low. Don Taylor and George Patraw also ran when one of the top five was unavailable for the meets. The fact that the entire team is composed of Sophomores and Juniors presents a bright light on next years harrier team.

Frosh Harrier Jim Workman

SEASONS RECORD

CalTech 20	Muir 37
CalTech 21	Redlands 34
CalTech 44	Oxy 17
CalTech 44	Whittier 17
CalTech 23	Pomona 32
	CalPoly 12
CalTech 7	Chapman 24





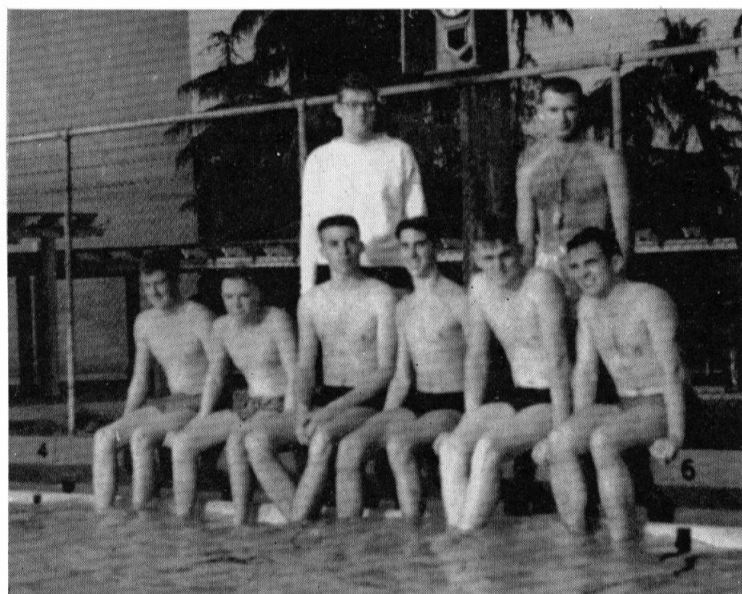
First Row: Coach Don Garman, Bill Davis, Bob Lynam, John Bush, Ross Brown, Fritz Trapnell, and Manager Ron Cochran. Second Row: Ed Bryan, Jim Ball, John Converse, Al Berner, Bill Sundblad, Dick Johnson, Bob Smith.

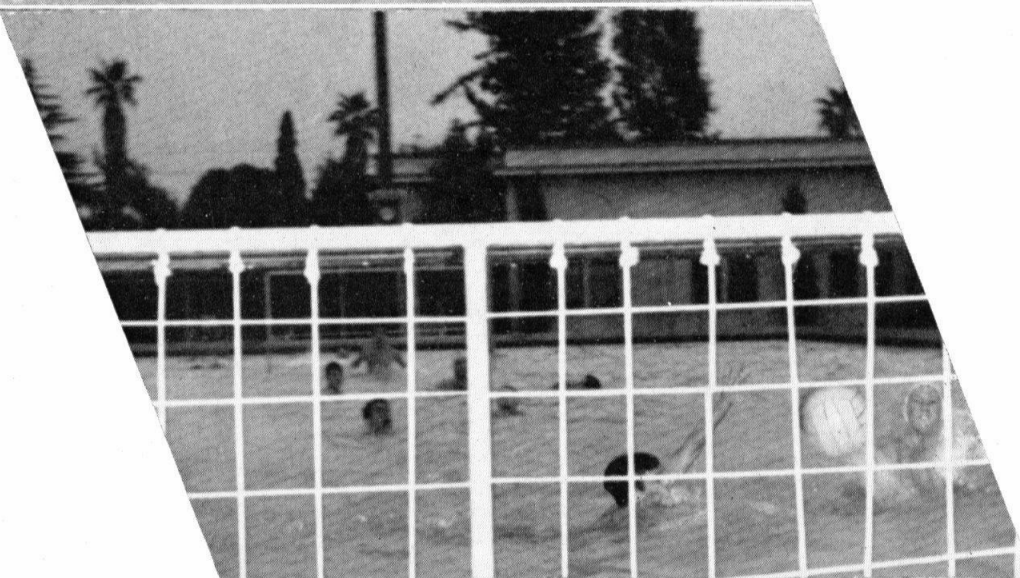
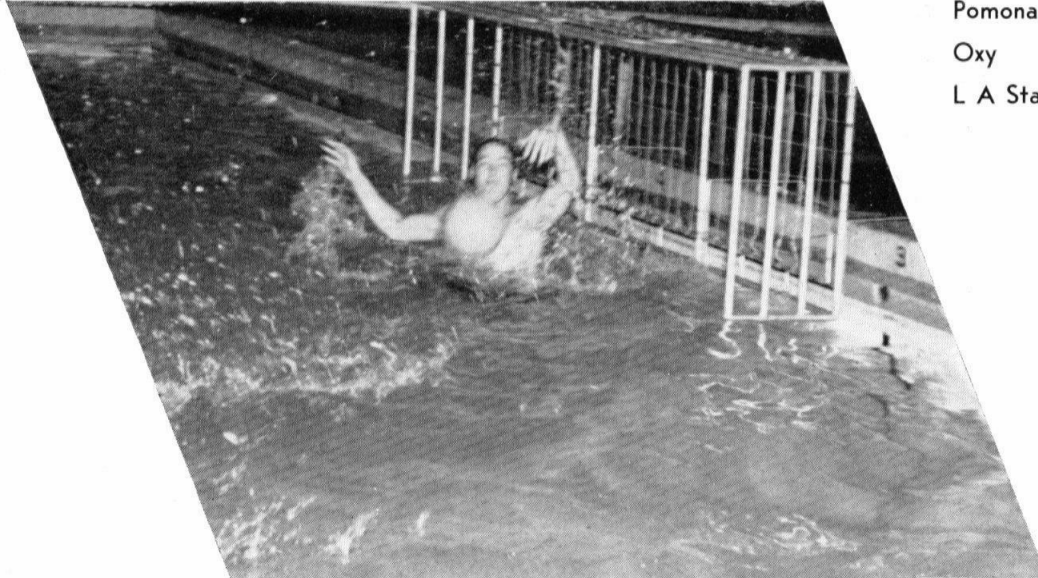
WATER POLO

Led by Captain Ed Bryan, this year's water polo team won two big games and lost four others by close margins. Jim Ball, Bill Davis, and John Bush could always be depended upon to make those precious goals, and goalie Fritz Trapnell always managed to make those great saves. Seniors Bob Lynam and Bob Smith were in there fighting, while Bill Sunblad, Ross Brown, John Converse, and Dick Johnson supplied depth and spirit. Coach Garman claims the team has tremendous potentialities and next year might be the year for the Techmen.

Seated: Ed Park, John Thomas, Bill Below, Baird Brandow, John Stevens, Bob Moore. Standing: Manager Ron Cochran, Coach Don Garman.

FROSH WATER POLO





VARSITY SCORES

LACC	5	4	CalTech
Pomona	9	6	CalTech
Fullerton	19	5	CalTech
Oxy	10	3	CalTech
L A State	10	19	CalTech
Compton	10	6	CalTech
Pomona	11	14	CalTech
Oxy	4	3	CalTech
L A State	8	7	CalTech

SOCCER

Another good season has ended, and the trophy is still here. The team showed its best spirit in the toughest games—two with UCLA and one with San Francisco State. Captain Rene Gutierrez, Sedat Serdengecti, and Moe Lerner made up the scoring punch, while Alwyn Senior, Ernie (most valuable player) Ophuls, Curt Schulze, Al Helgesson, and Rafn Stefansson held down the fort. A great deal of help was added by goalies Walt Haengggi and Charlie Miller while Ed Berry, Harry Bingham, John Peyton, and Letch Bennett were always in there fighting with the team. Managers Dave Tansey and Reub Moulton did a fine job in keeping the team spirit high.

The whole team's deepest and sincere thanks go to Coach Bob Huttenbach who kept the team fighting with his unique battlecry "Do something you miserable"

SCORES

CalTech	6	Thatcher	1
CalTech	4	Pomona	1
CalTech	11	Midlands	3
CalTech	2	Thatcher	1
CalTech	0	UCLA	2
CalTech	3	CalPoly	0
CalTech	4	Pomona	0
CalTech	1	USF	6
CalTech	1	UCLA	0



Standing: Coach Bob Huttenbach, Harry Williams, Ernie Ophuls, Frank Dryden, Al Helgesson, Alwyn Senior, Chuck Lehman, Rafn Steffansson, John Peyton, Jerry Gallagher, Coach Jones. Kneeling: Dave Tansey, Walt Haengggi, Rene Gutierrez, Ed Berry, Moe Lerner, Curt Schulze, Sedat Serdengecti, Letch Bennett, Fernando Carraro, Chuck Miller, Reub Moulton.



JUNIOR VARSITY SOCCER

First Row: Bob Norton, Fran Buuf, Walt Haengggi, Charlie Anderson, Dick Kaufmann, Dick Alvarez. Second Row: Leonard Wiener, Arnie Kalm, Ed Hershberger, Tom Trilling, Doug Ritchie, Rod Supple. Third Row: Rod Smythe, Attila Simanyi, Craig Elliot, Jerry Crocker, Dave Tansey, Darrell Fleishman, Dan Hook, Joe Lingerfelt, Don Pinkerton.





Fred Anson



Bill Chambers



Dan Chilton



Jack Chow



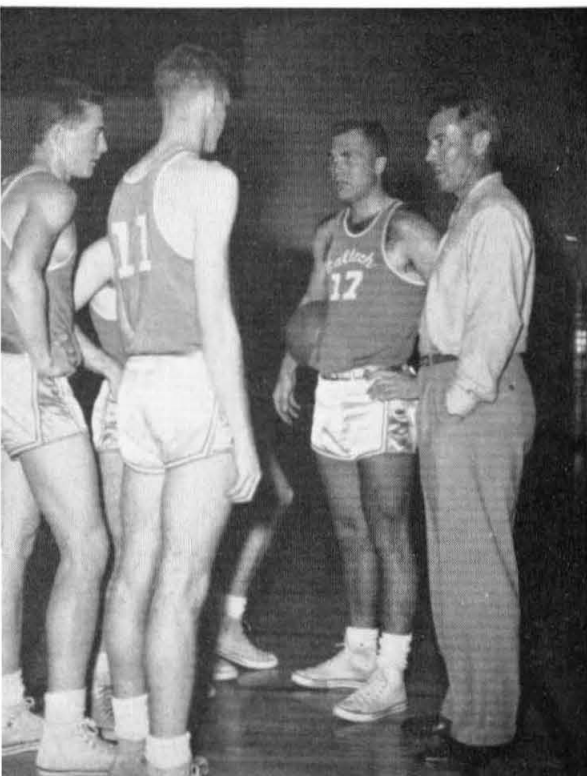
Phil Conley



Jim Koontz

BASKETBALL

Coach Shy and his boys



SCIAC CHAMPS



Jim Tyler



Dick Smith



Howie Shanks



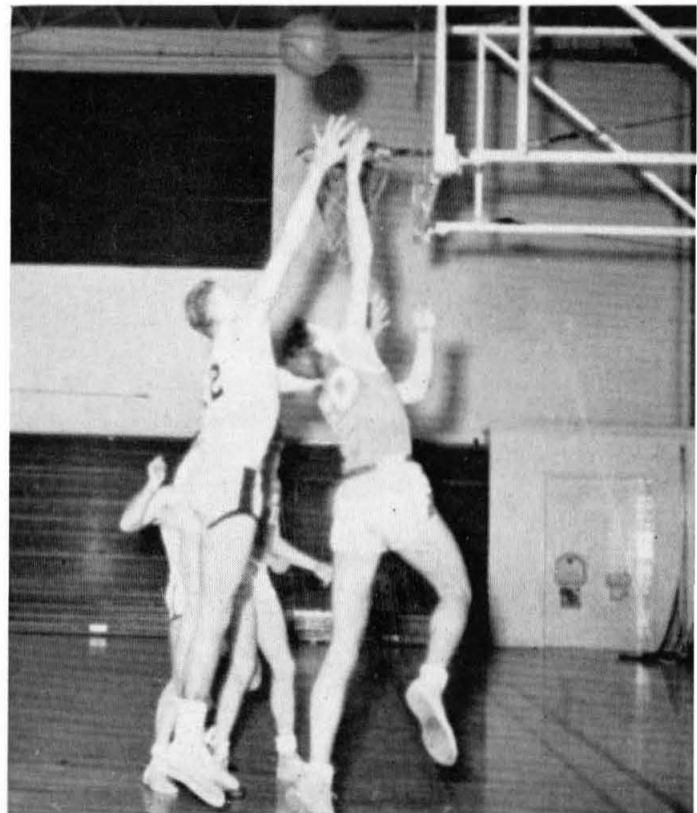
Gene Nelson



George Madsen

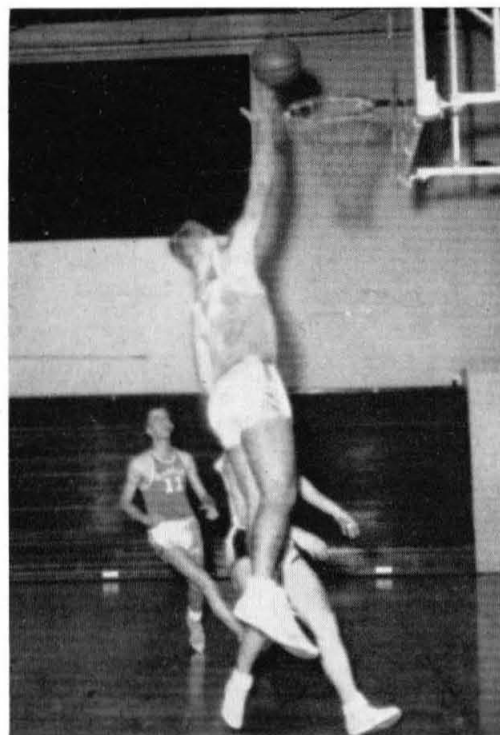
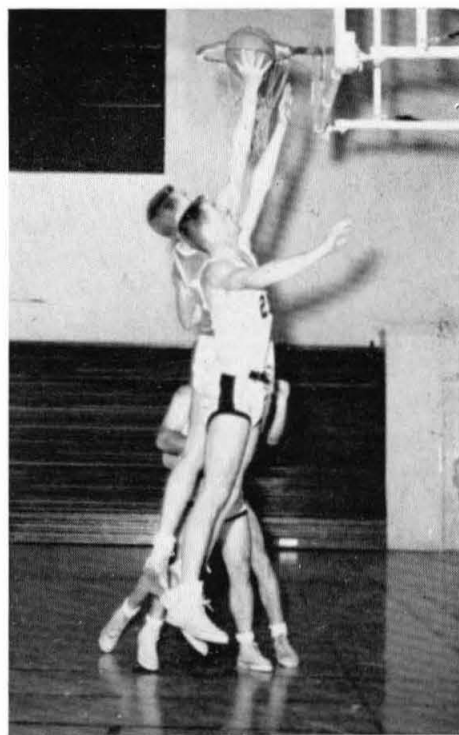


Paul Lindfors



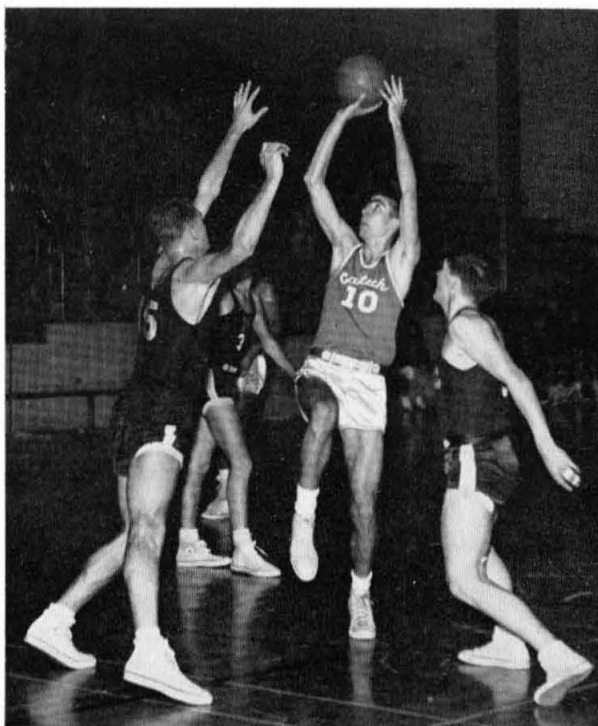
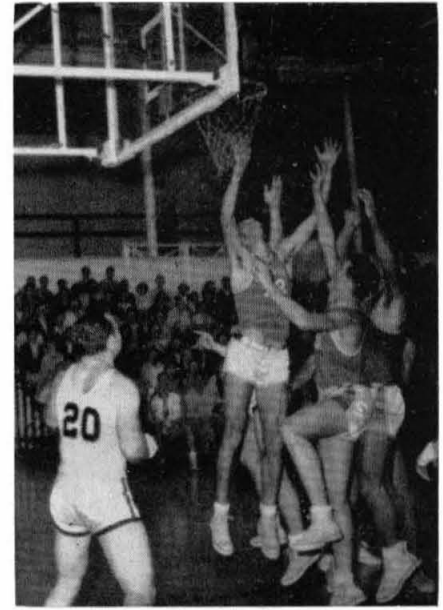


With perhaps the best basketball team in Tech's history, Coach Carl Shy brought home the SCIAC Basketball Championship for 1953-1954. The Beavers got off to a shaky start, squeaking by Oxy in an overtime period. In their second league encounter they put down a scrappy Pomona five, but the following week the Techmen lost a heartbreaker to Redlands. They bounced right back to smash defending champs Whittier on the Poets own floor but the Beavers turned right around and lost another thriller to the men from Whittier. With the gleam of glory in their eyes, the Engineers walked over Redlands, Oxy, and Pomona in the last two weeks of the season to clinch the championship. The team was led again by Captain Fred Anson who was named on the All-Conference Team and was number one scorer in the league, both feats for the third straight year. Fred is undoubtedly one of the finest basketball players to take the floor for CalTech. Named to the second team All-Conference were Bill Chambers, second high scorer for Tech, and Howie Shanks, stalwart guard.

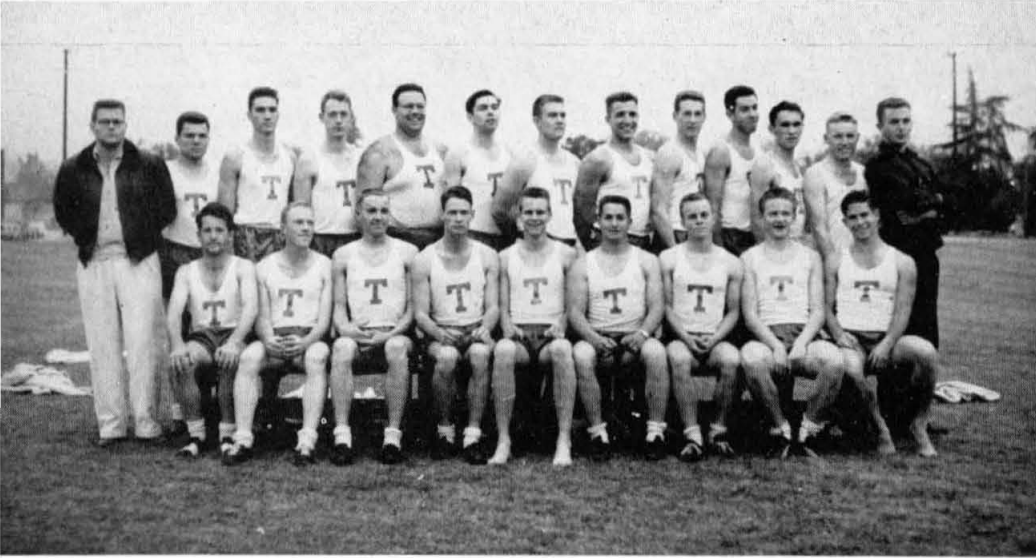


SCORES

LA State	70	CalTech	52
Oxy	63	CalTech	66
CalPoly	54	CalTech	72
LaVerne	68	CalTech	112
Pomona	63	CalTech	72
Chapman	62	CalTech	93
Redlands	59	CalTech	56
CalPoly	55	CalTech	57
Nazarenes	92	CalTech	59
LaVerne	47	CalTech	68
Whittier	53	CalTech	68
Nazarenes	94	CalTech	79
Whittier	55	CalTech	52
LA State	74	CalTech	68
Redlands	72	CalTech	74
Oxy	59	CalTech	76
Pomona	43	CalTech	67



The Big T regrets that no picture was taken of the Frosh Basketball team. This year's frosh basketballers, led by Coach Ed Preisler and co-captains Ed Nelson and Bill Hecht, won four games. They defeated CalPoly twice and LaVerne and Chapman once. Suffering from the loss of Frank Steger, their high scorer, they were unable to down a league foe. Other lettermen on the team were Jim Welsh, another top scorer, Herb Rauch, John Parks, Jim Workman, Chuck Luke, Bob Gelber, Howard Bloomberg, and Gary Dietrich. Coach Shy looks to these frosh to put depth in the varsity next year.



Back Row: Manager Newman Wade, Bruce Munn, John Myers, Phil Wade, Art Miller, Loren Lindstrom, Dick Hodges, Gene Kaiser, Phil Conley, Jim Tyler, Fred Witteborn, Van Walkley, manager John Lilley. Front row: Dave Crowther, Don Taylor, Paul Cramer, Rod Supple, Don Lewis, Sam Simms, Curt Shulze, Arne Kalm, Jim Lloyd.



Head Coach Bert LaBrucherie

TRACK

Rod Supple, Don Taylor, Dave Crowther

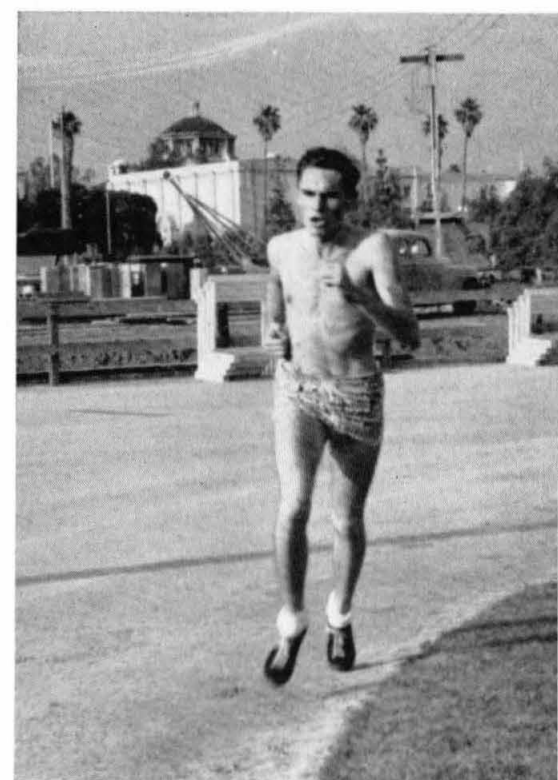




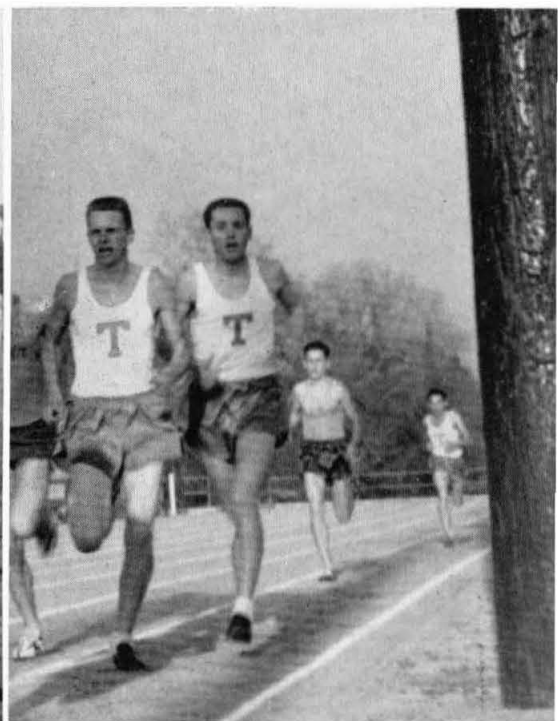
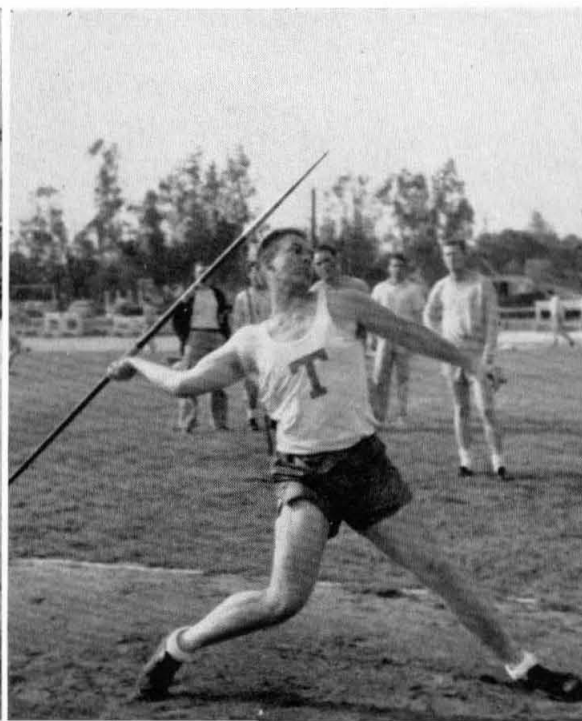
Bruce Munn, Jim Tyler, Curt Shulze; Loren Lindstrom

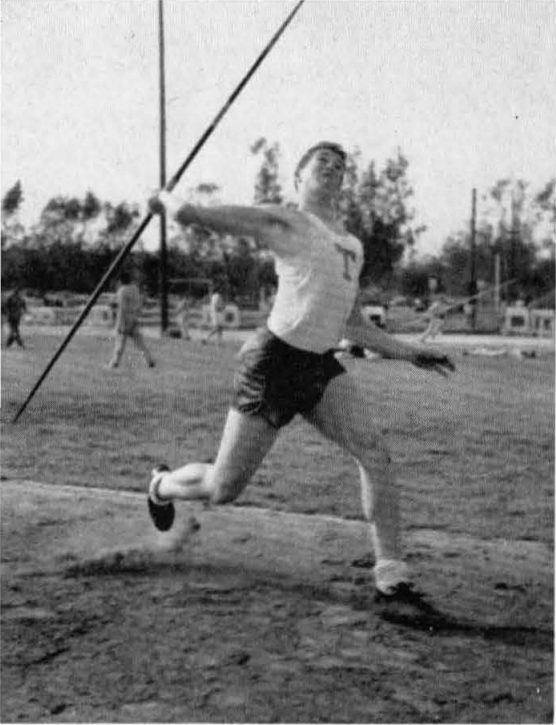


Coach LaBrucherie's trackmen are probably the most versatile in Tech's history. Javelin throwers become 220 men and broad jumpers run the 100 yard dash. At this writing Jim Tyler's century is down to :10.0 and his broad and high jumping is always winning points. Phil Conley's javelin can be counted on going the farthest and when he runs the 220, it's points for our side. "It's fun to run" Rod Supple is the middle-distance breadwinner for Tech, taking top honors in the 880 and 440. Led by javelin-throwing captain Dick Hodges, the team has managed to down LaVerne, CalPoly, Pasadena Nazarene, and Redlands, losing only to top-notch Oxy and Whittier teams. Always winning points for Tech are weight-men Gene Kaiser in the shot and Art Miller in the discus, Jim Lloyd in the pole vault, Don Taylor in the hurdles, and Don Lewis, Dave Crowther, and Paul Cramer in the distance events. The future looks bright as we are losing only five seniors.

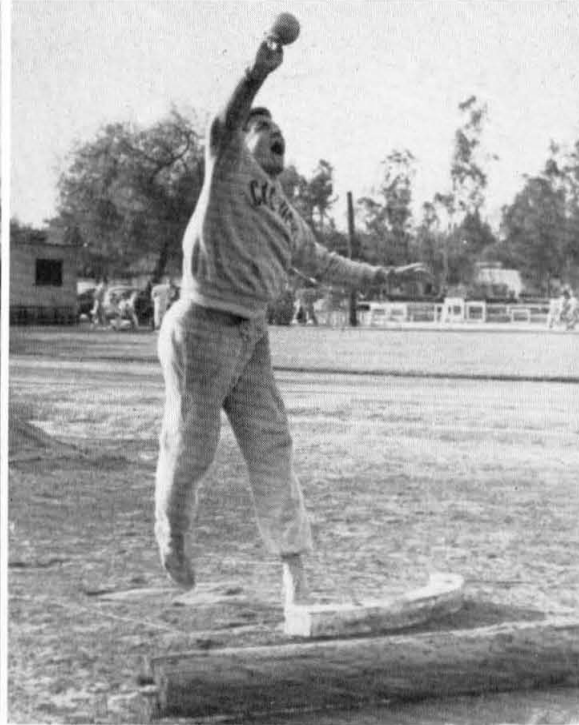


John Myers, Dick Hodges, Don Lewis, Paul Cramer, Fred Witteborn





Phil Conley



Gene Kaiser



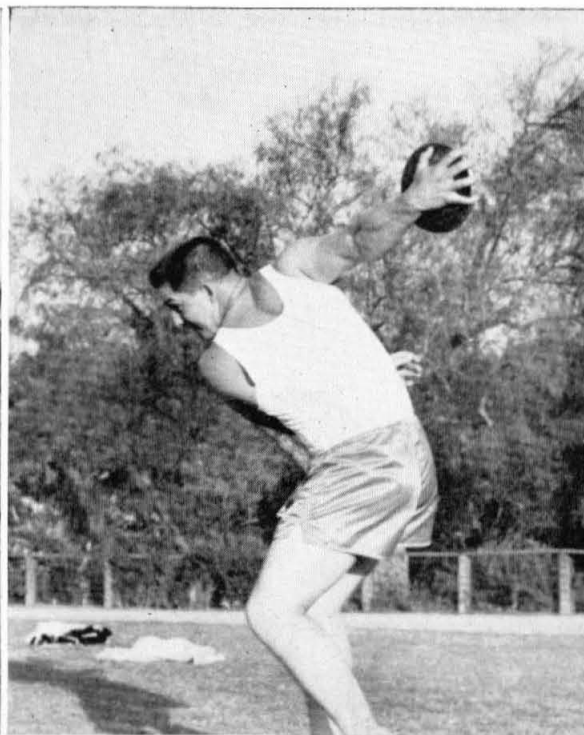
Art Miller

TRACK

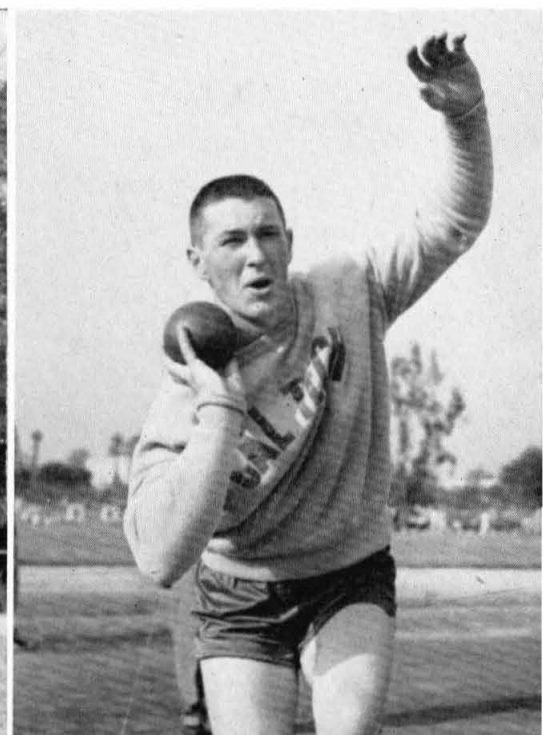
Jim Tyler



Sam Simms



Walt Menetrey





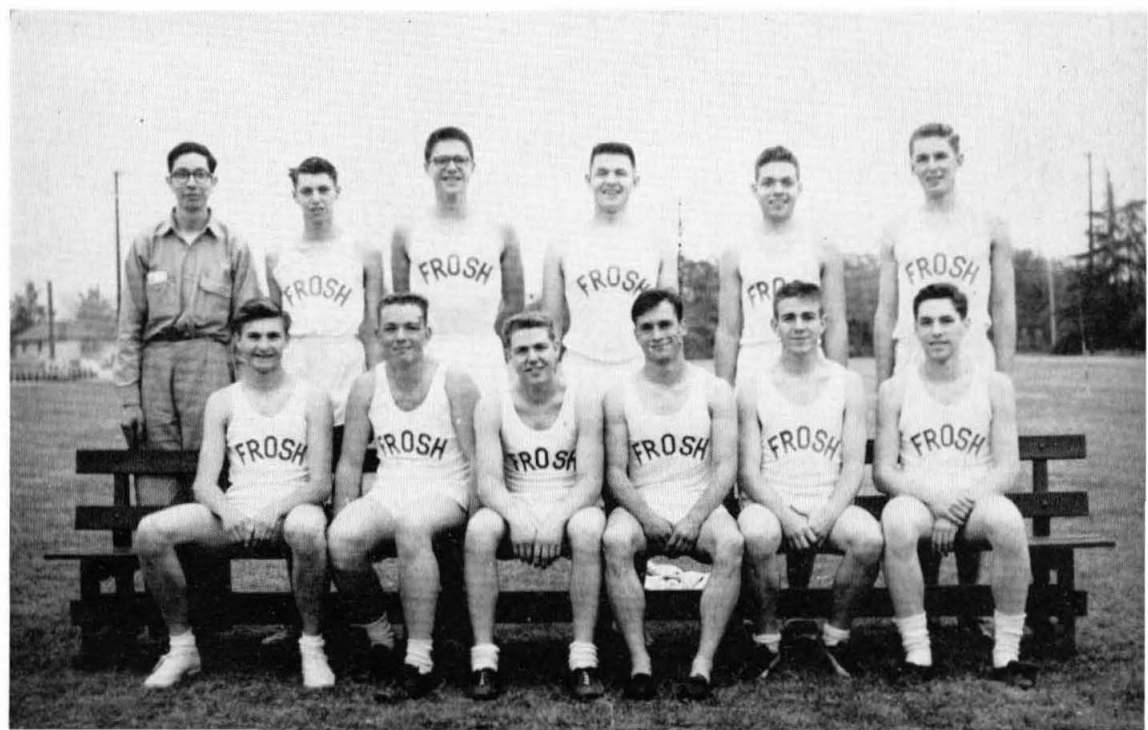
Jim Lloyd



Phil Wade

FROSH TRACK

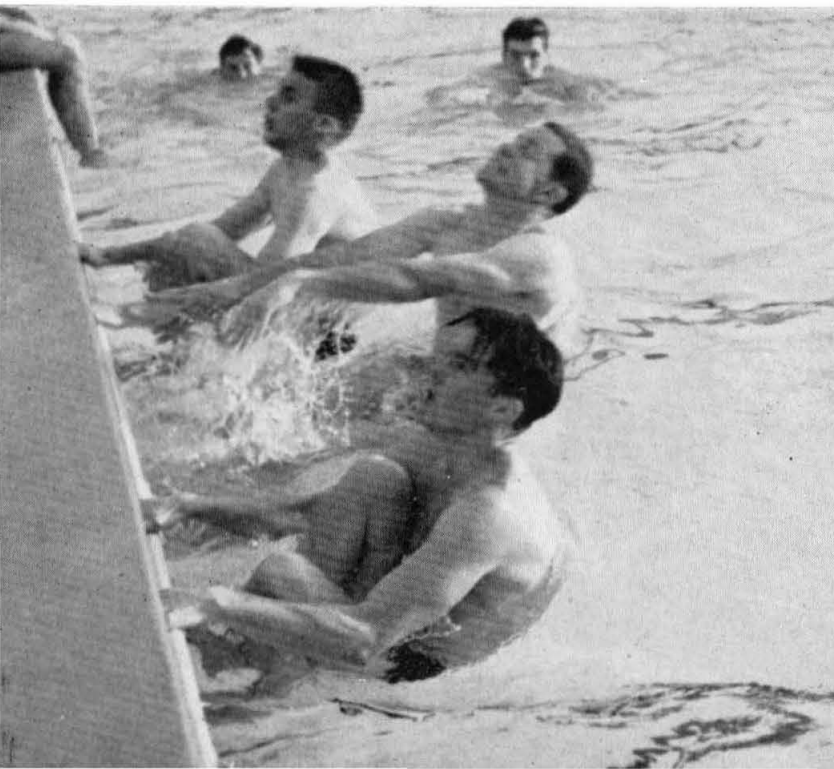
Standing: Manager Luis Soux, Dick Kaufmann, Herb Rauch, Chuck Luke, Bob Norton, Jim Workman. Seated: Jerry Peck, Grant Hudlow, Ed Barry, John Lukesh, Larry Griffith, Marty Tangora.

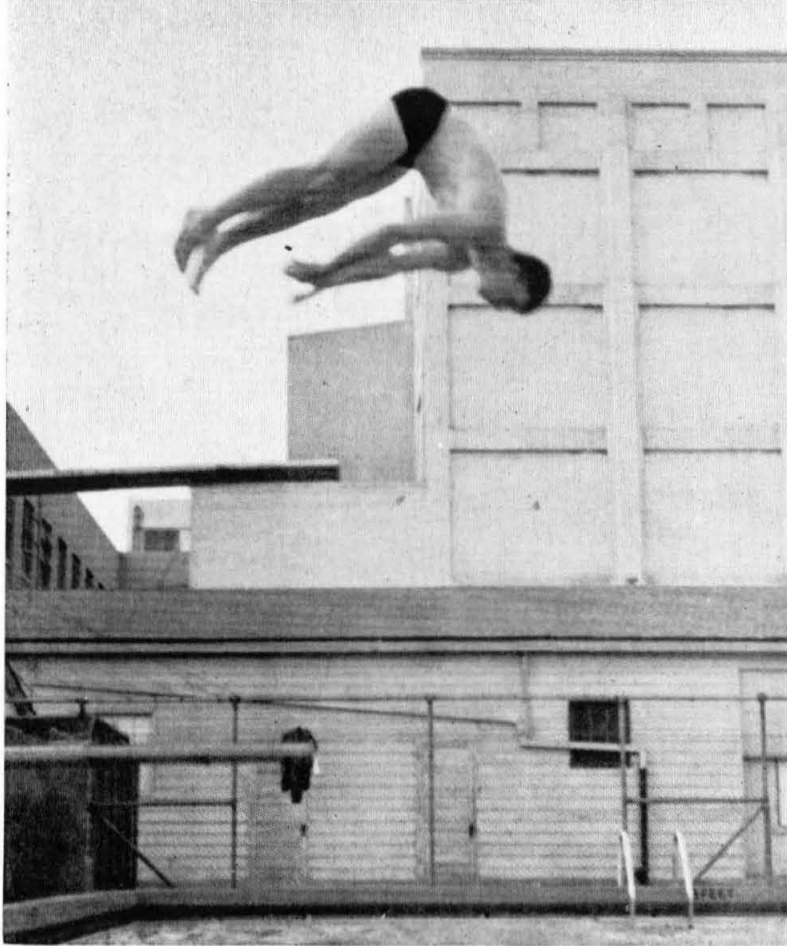




Jim Ball, Harold Almond, Ross Brown, Blake Wallace, Bob Smith, Dick Johnson, Manager Ron Cochran, Bill Davis, Don Roberts, John Bush, Coach Don Garman.

SWIMMING

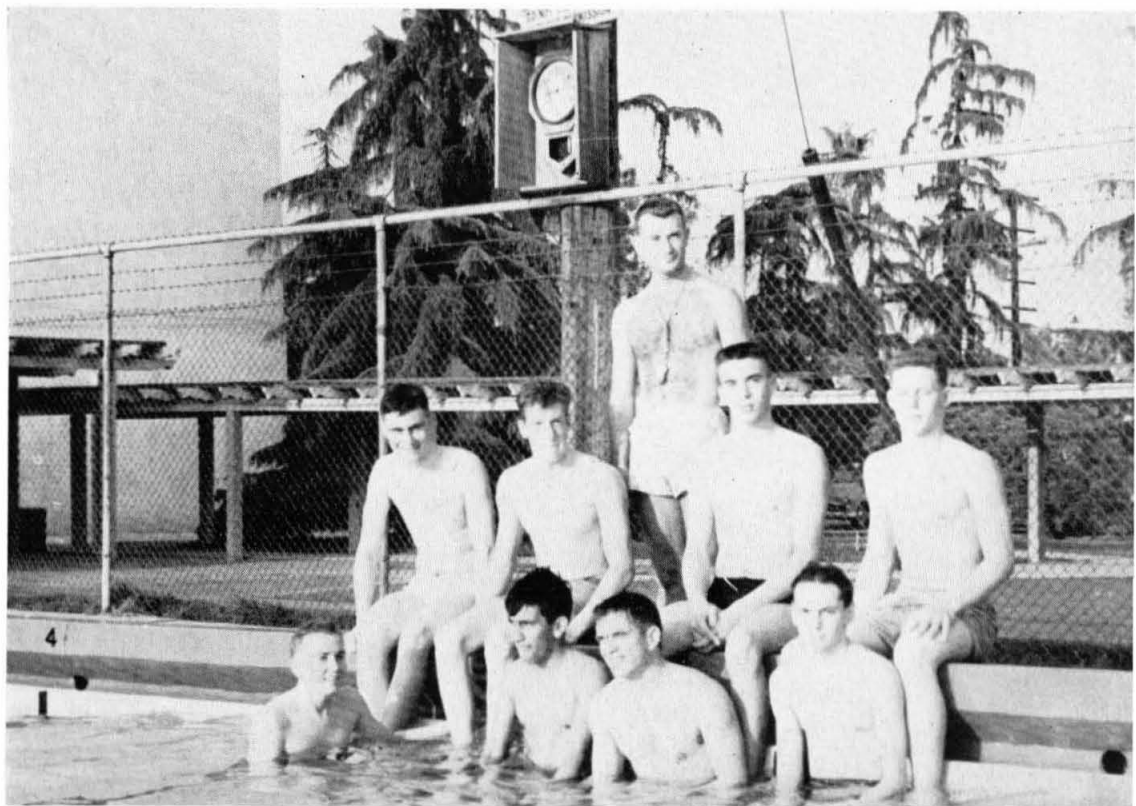




The Caltech mermen plan to take third place in the conference this year. So far this season they have defeated East Los Angeles Junior College and Redlands, losing to defending champs from Pomona and the swimmers of Occidental. Bill Davis, breast-stroker, is our lone nominee to take first place honors at the conference finals. Jim Ball is regularly cutting his time down in the 50 and 100 and John Bush's individual medley will take points. Don Roberts has recently turned in his best time in the back stroke and with his teammates Blake Wallace, Bob Smith, Dick Johnson, and Harold Almond, the team should have a successful season.

FROSH SWIMMING

John Thomas, Blaine Navroth, Tony Lopez, Ed Parks, Bob Moore, Coach Garman, Bill Below, Charlie Anderson, Pete Abbey.



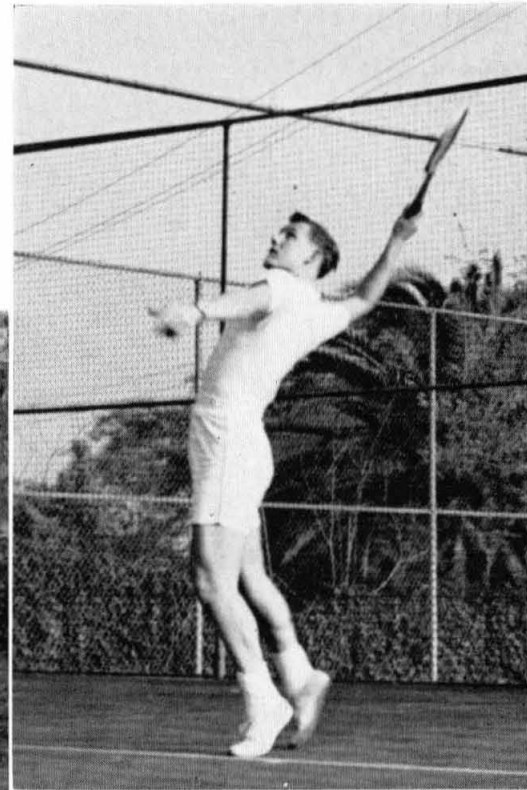


Coach Lamb, Alva Yano, Jim Ball, Dick Schmid, Al Poisner, Ben Davis, Gil Beebower, Gene Barnes.

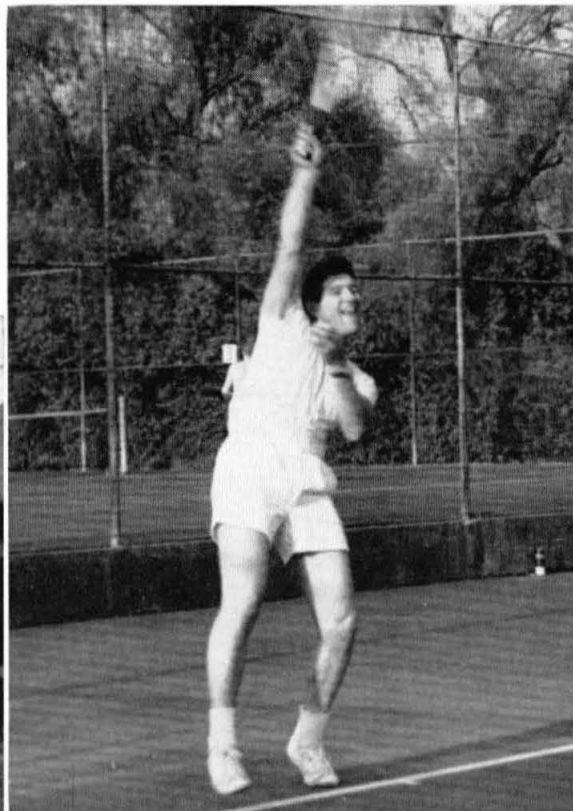
The Caltech net men led by Coach John Lamb and co-captains Alva Yano and Gil Beebower plan to take fourth place in the conference this year. They have scored wins against Loyola and Pepperdine in non-league play and trounced Occidental. Alva Yano, Gene Barnes, and Gil Beebower play 1st, 2nd, and 3rd singles respectively while Jim Ball and Dick Schmid are fighting it out for the fourth slot. Yano and Ball make up the first doubles team which makes a hard team to beat. A senior-less team this year gives hopes to a fine varsity next year.

TENNIS

Gil Beebower

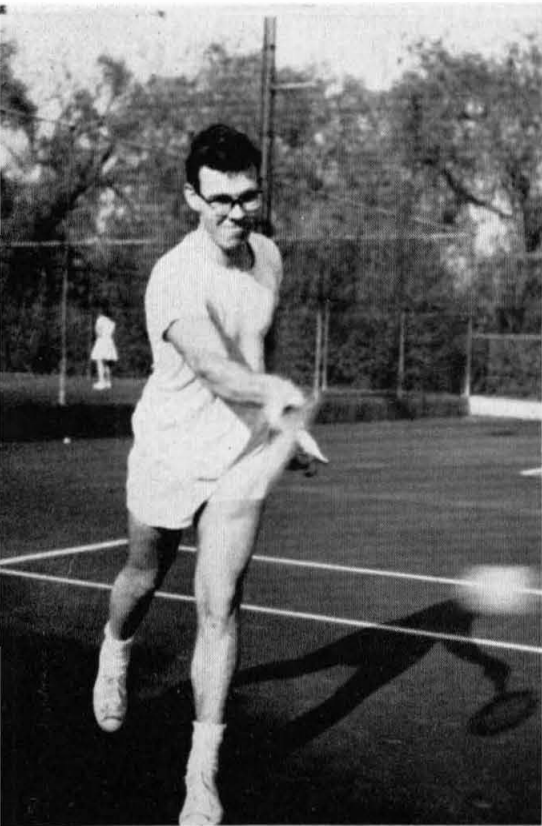


Dick Schmid

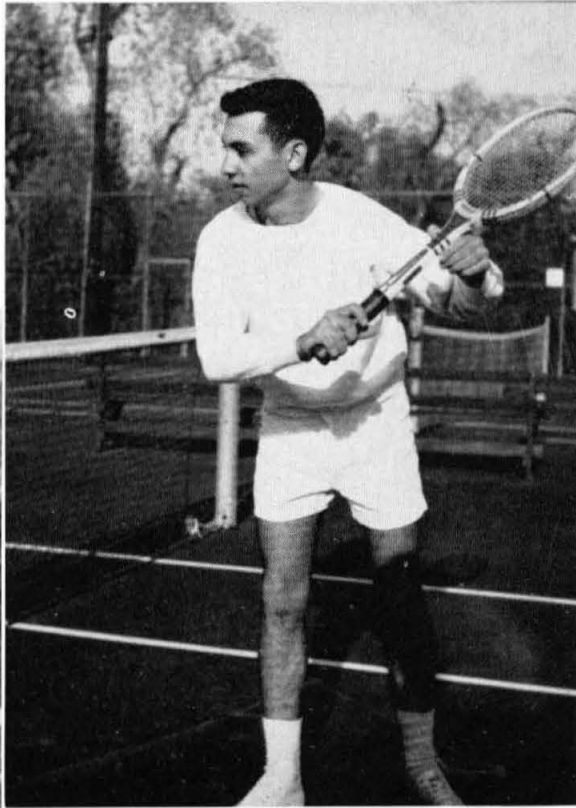


Alva Yano

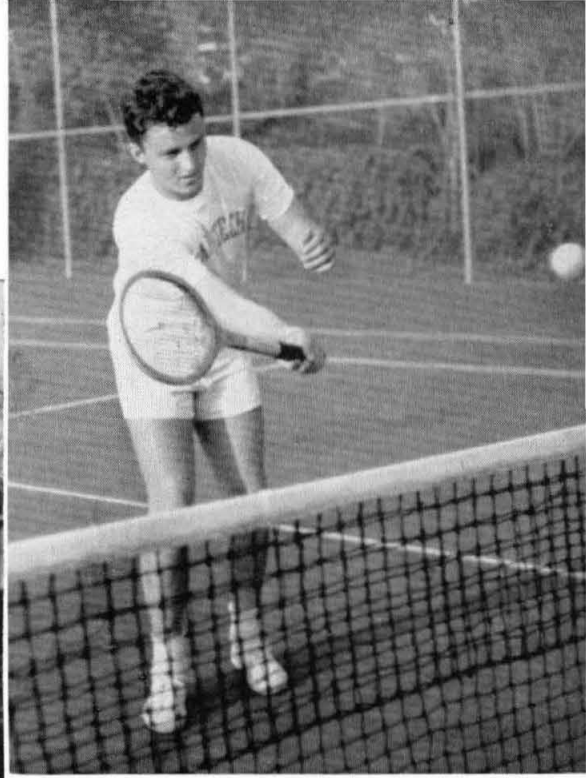




Ben Davis



Al Poisner



Jim Ball

Coach Lamb, Tom Hays, Dave Yount, Larry Harvill, Truman Long, Jim Giles, Gene Barston.



FROSH TENNIS



John Bush, Bruce Kaiser

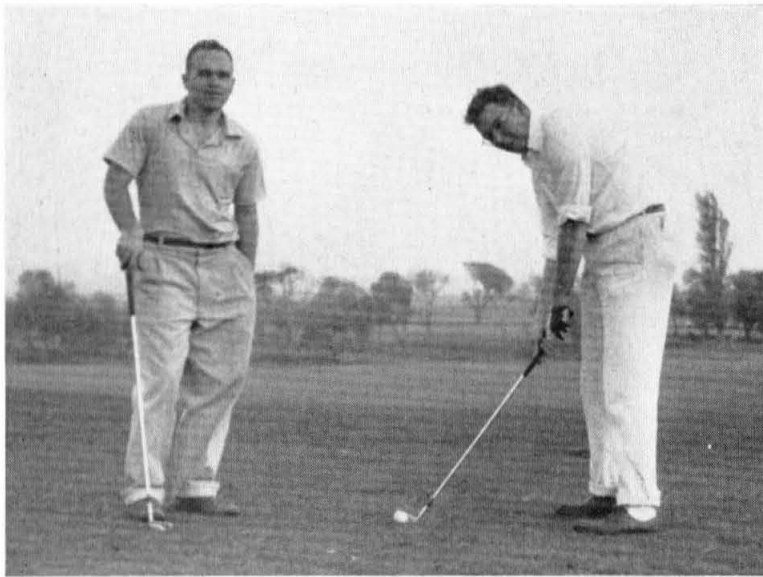


Coach Small

GOLF

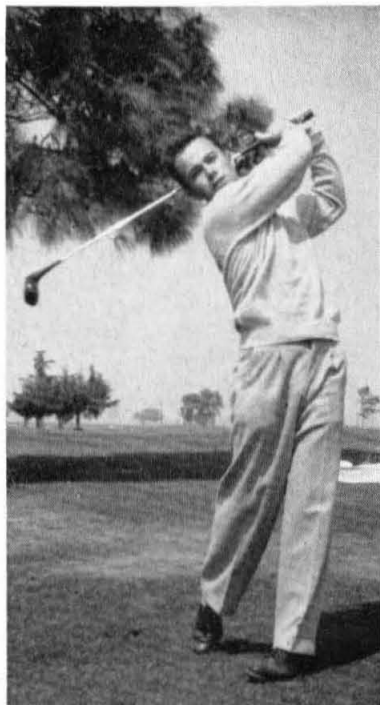
Besides losing three of this year's top four players, the golf team is also losing its coach. As Colonel Arthur Small moves on to a new assignment, he leaves a revitalized team and an expanded schedule. At this writing the team is favored to take conference honors and to make a good showing in both the Northern and Southern California Intercollegiate Tournaments.

Ending their collegiate golf competition this year will be Don Turcotte, perennial first man for the past three years; George Patraw and Bruce Watkins, two year lettermen who have consistently won points in the third and fourth positions; and Bruce Kaiser. Leading the team next year will be three-year letterman Paul Farley, present second man. Also returning next year will be George McDonald, Paul Lindfors, and John Bush.



George McDonald, Paul Lindfors

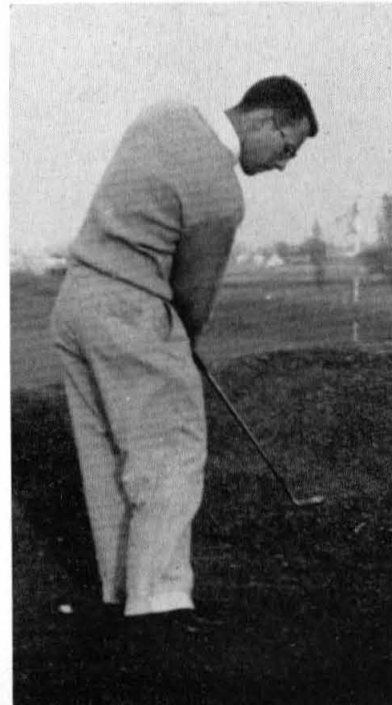
Tee Shot
Bruce Watkins



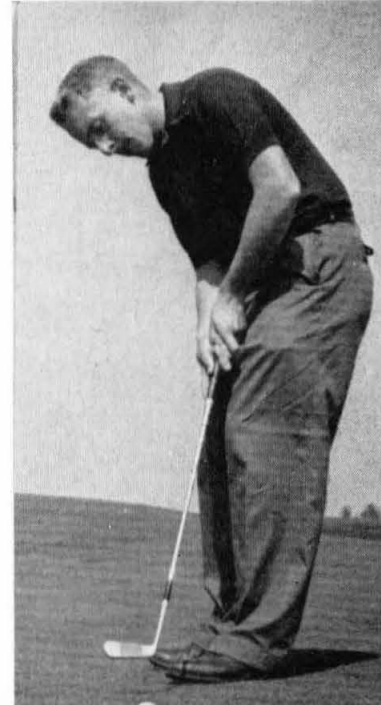
Fairway Approach
George Patraw



Pitching to the Pin
Paul Farley



Making up the Difference
Don Turcotte





First Row: Fred Garrison, Dan Chilton, Gene Nelson, Jim Koontz, Carl Johnson, Dave Hallman, George Madsen, John Kidder. Second Row: Steve Nathanson, Bill Bensema, manager; Ray Weymann, Collis Holladay, Jim Snyder, Carl Marquis, Ernie Ophuls, Dick Wagenseller, Herb Dubb, Don Hcok, Phil Conley, Bob Pechacek, Coach Preisler.

BASEBALL

Led by Coach Ed Preisler and co-captains John Kidder and Fred Garrison, the team has outscored Cal Poly and LaVerne. Lack of experience has hurt the club this year but the team has shown flashes of promise in their improved fielding. Southpaw hurler Ray Weymann, Jim Snyder, and Collis Holladay have made up the pitching staff while John Kidder has been behind the plate most of the time. If the hitting improves with the fielding the team is going to win games this year.

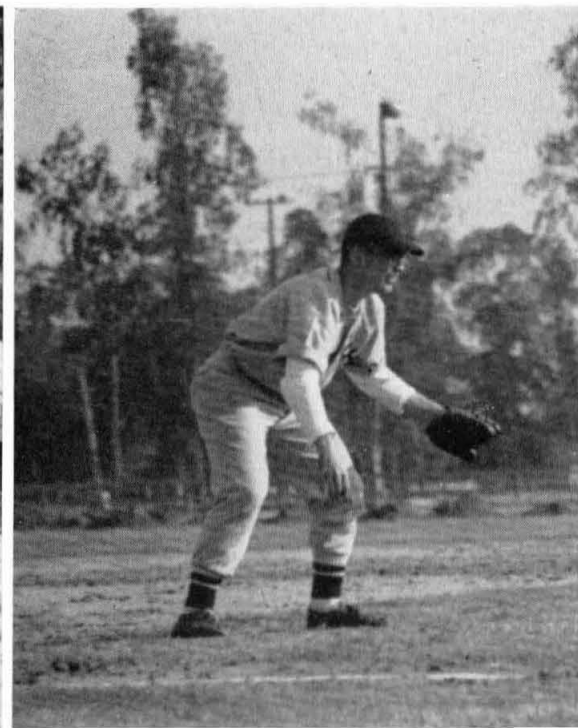
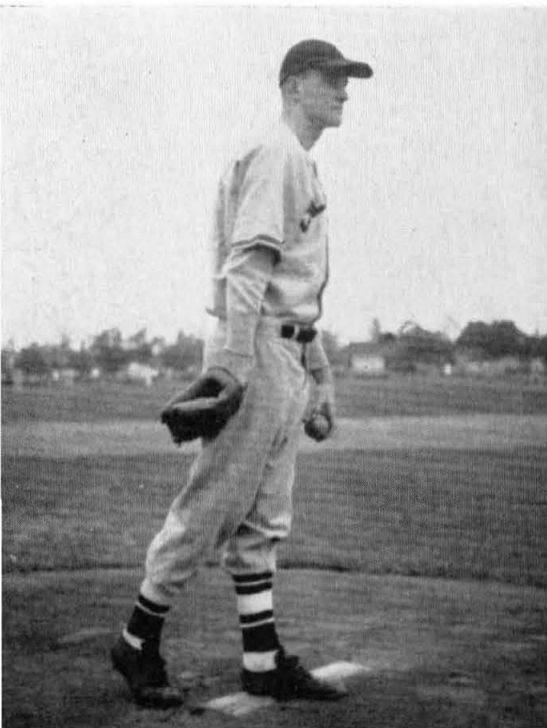


Coach Ed Preisler

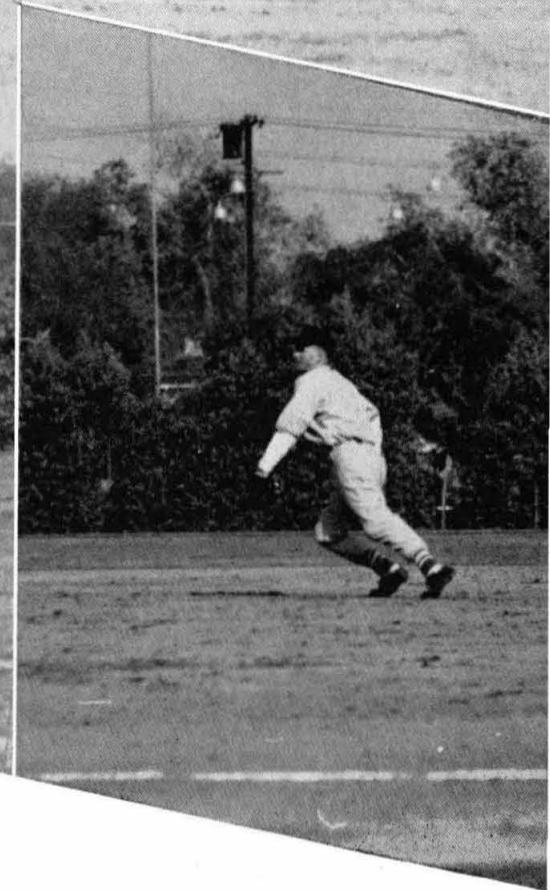
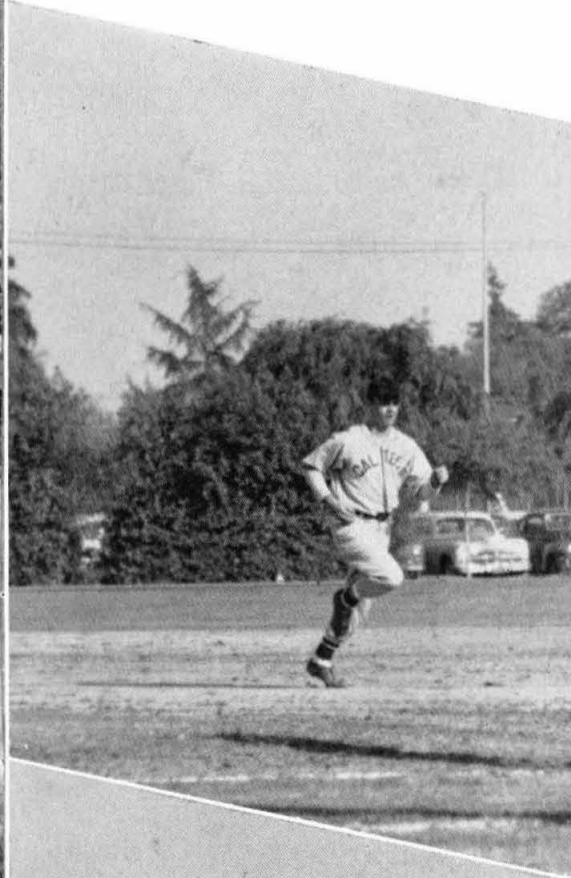
Ray Weymann

John Kidder

George Madsen

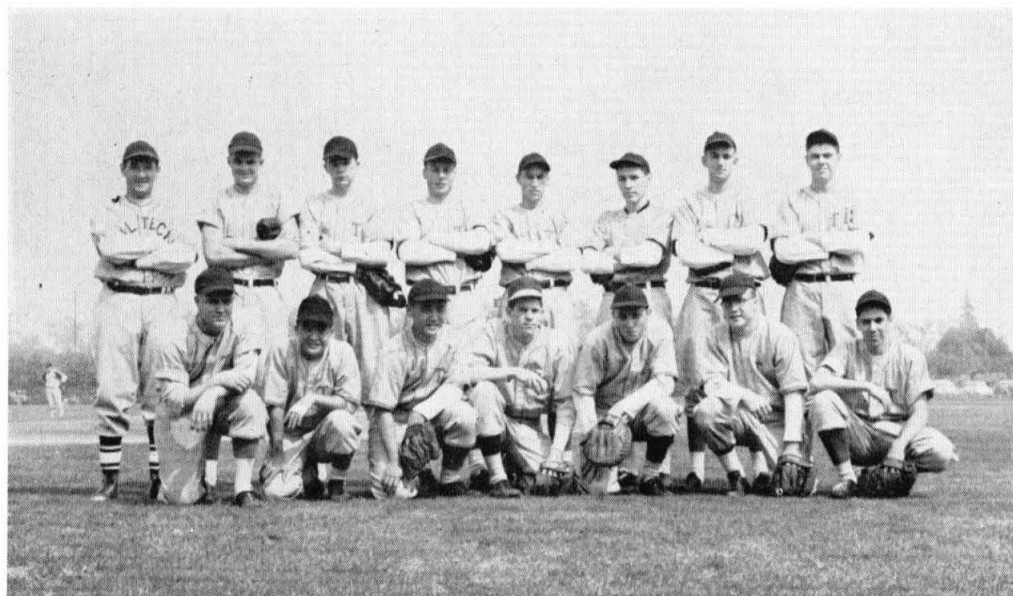


BASEBALL



Dick Wagenseller, Bill Autrey, Fred Garrison, Bob Pechacek, Jim Snyder, Jim Koontz.

FROSH BASEBALL



Standing: Coach Huttenbach, Craig Elliott, Ed Nelson, Bob Gelber, Al Goldberg, Marty Tangora, Howard Bloomberg, Bill Hecht. Kneeling: Ed Barry, Warren Furumoto, Fred Ishihara, Hal Morris, Mike Duke, Jim Mebust, Gary Breitbard.

Lack of experience and depth has hurt the frosh baseballers this year, but the plucky squad that never says die is expected to win some games this season. Coach Huttenbach says the team has potentialities and sluggers Ed Nelson, Warren Furumoto, and Al Goldberg will come into their own before the season ends. Converted outfielder Hal Morris is doing a fine job in the pitching position and the varsity casts an eager eye on this team.

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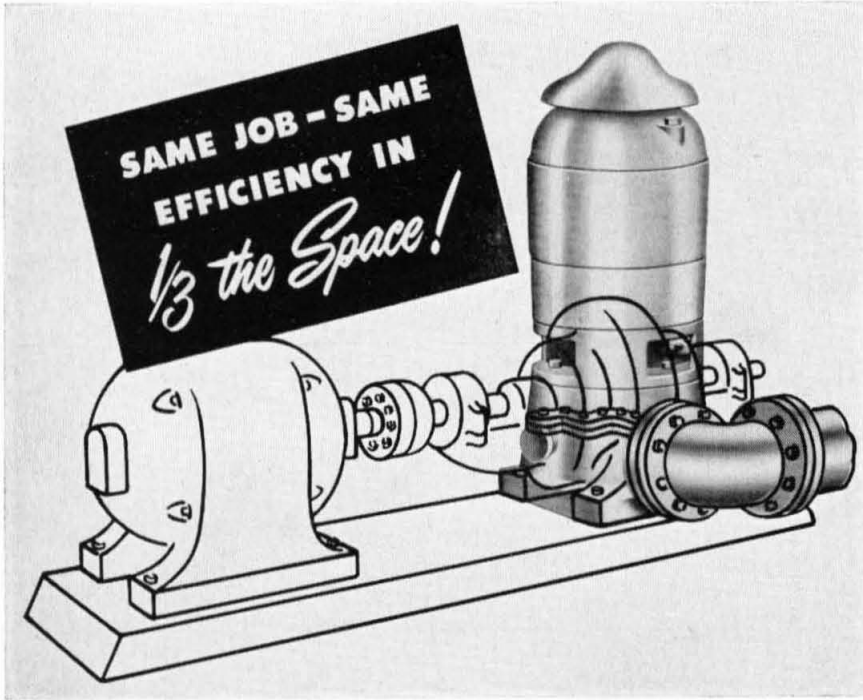
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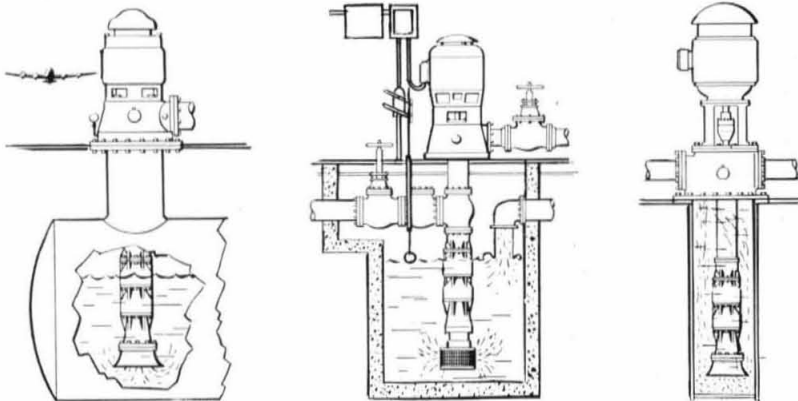
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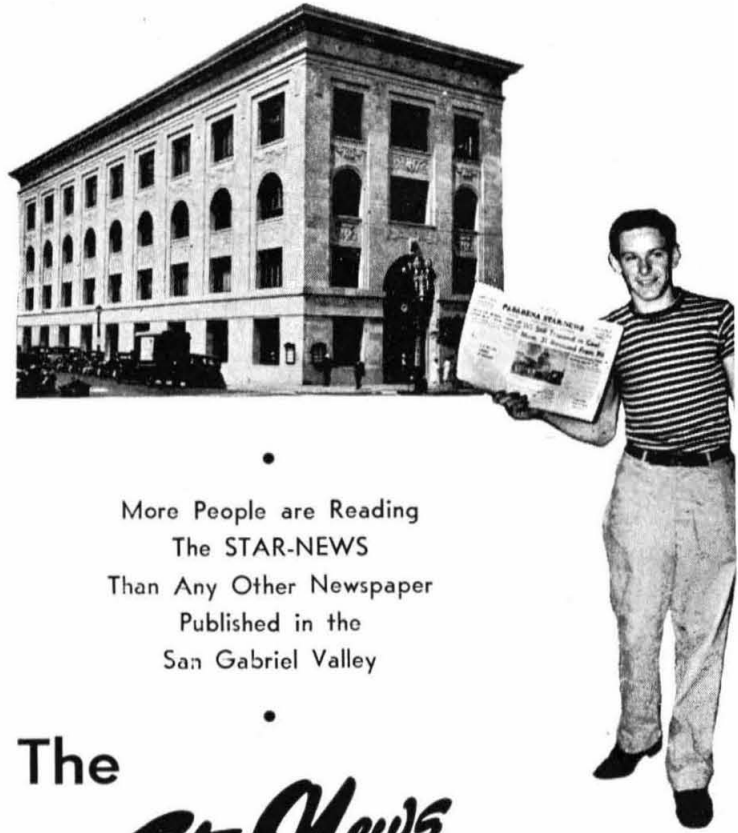
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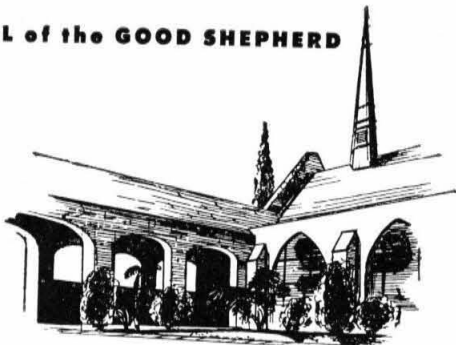
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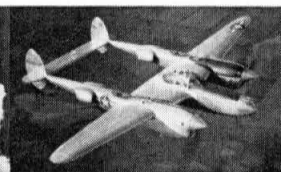
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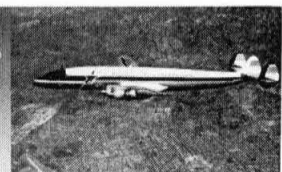
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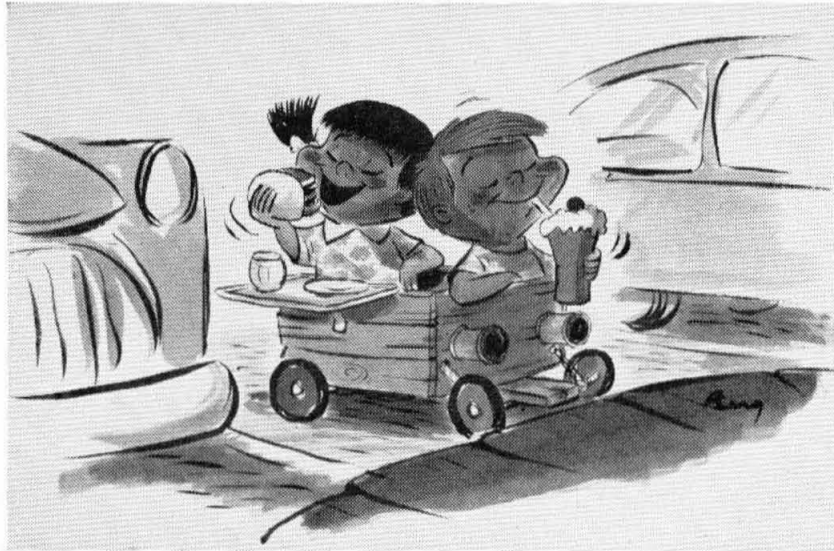


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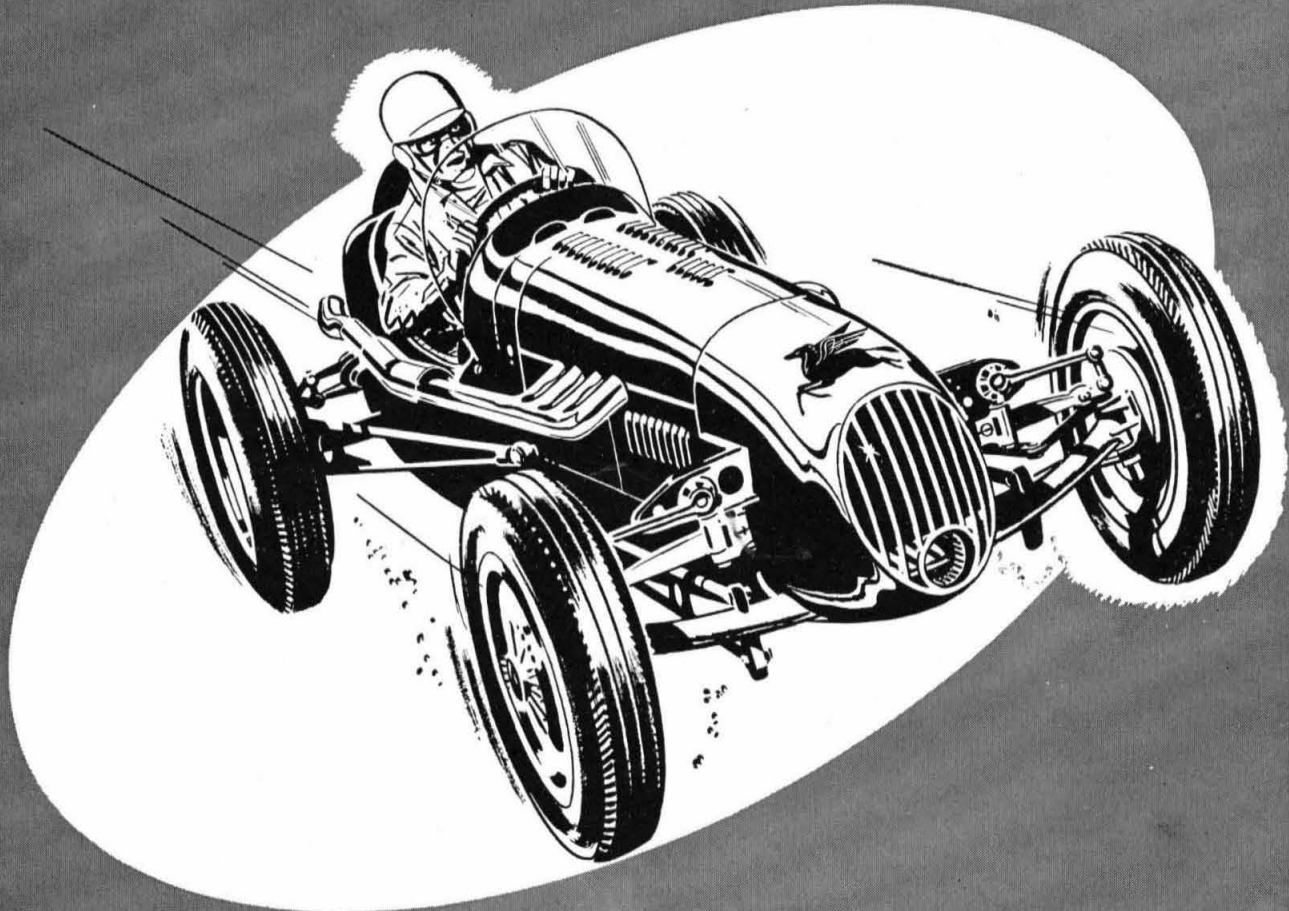
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