



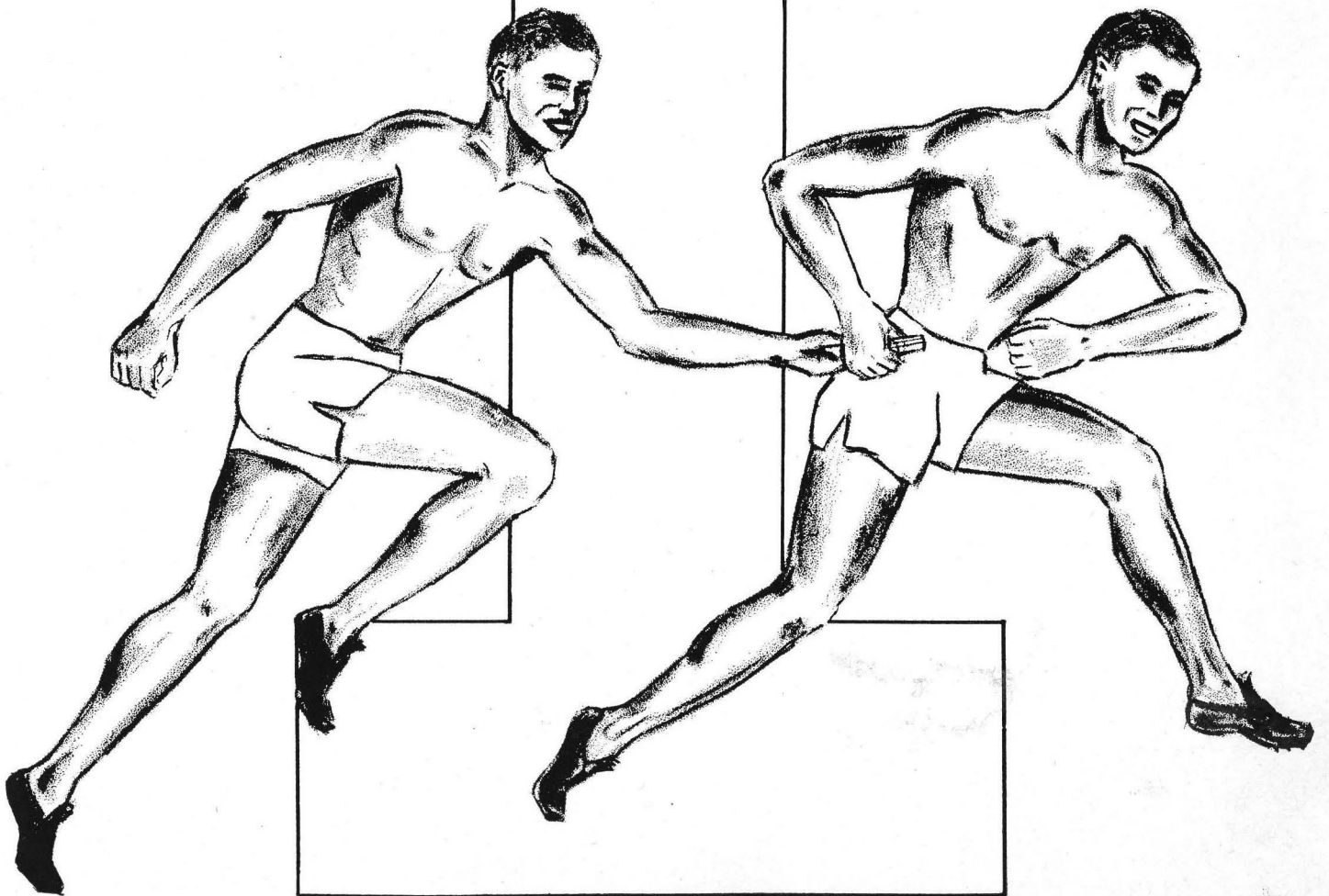
VOLUME 35 OF THE BIG T

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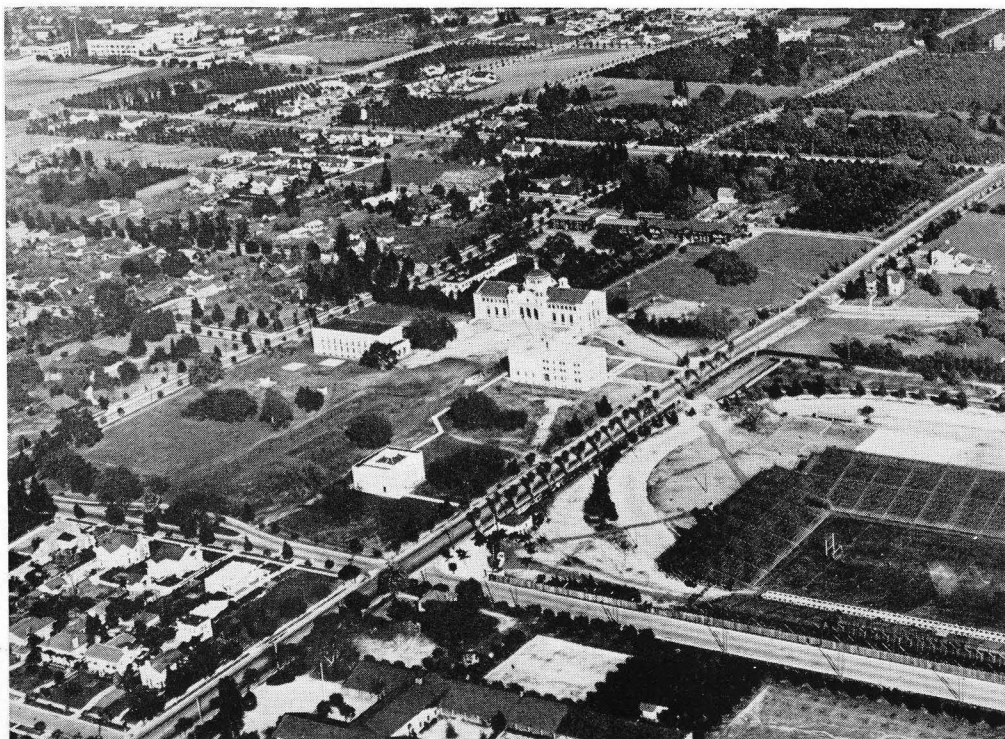
HUMR



IN THIS YEAR'S DEDICATION

we take cognizance of the fact that students, faculty members, trustees, and even buildings come and go at Cal Tech. We therefore dedicate this book to the one man who never changes, the perennial candidate for every office, the epitome of all our traditions, that jet-propelled Til Eulenspiegel, the Cal Tech Kilroy,

Richard D. Hibbard







In Memorium

Graham A Laing
Robert C. Gillis



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MILLIKAN

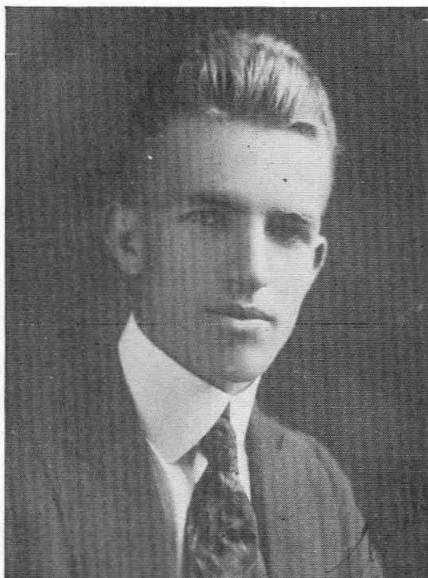


DUBRIDGE

Robert A. Millikan

first came to the California Institute of Technology some twenty-five years ago, when it had only some three or four permanent buildings and a handful of students and instructors. Since that time he has labored tirelessly to build the school to its present position of eminence. By the light of his own international reputation he attracted to this campus such men as Lorentz, Bohr, and Einstein. It was he, more than any other one man, who wrought into actuality the ideal originally expressed by the Board of Trustees of the Institute: "A school consisting of a small group of serious pupils, gathered about men who are masters in their fields and who are passing on their mastery to younger men, chiefly by the power of example."

If he had never measured the charge on the electron, won the Nobel Prize, made his contributions to the study of cosmic rays, or published a single one of his books, Dr. Millikan would have earned his claim to lasting fame through his work in making this Institute what it is today. He is fortunate among men, for he has the privilege of seeing during his own lifetime his memorial. This Institute is a living monument to Robert A. Millikan—it is the duty and privilege of all who come here to keep it worthy of him.



President Maurer, 1922

After Dr. Millikan became the Institute's chief executive, the first class to graduate was that of 1922. Its President was Frederic A. Maurer, a chemical engineer from Hollywood. One of the original members of the Institute's chapter of Tau Beta Pi, he was also extremely active in campus political activities. Employed after graduation as a chemical engineer and metallurgist, he worked many years for General Electric. When war came, Maurer was married and the father of two children, but he had maintained the reserve officer status which he won through Tech's ROTC, and was among the first to answer the call to active duty.

Frederic A. Maurer passed away on April 24, 1946, less than a year after his honorable discharge, leaving a record which typifies that which Tech tries to produce: Professional distinction, plus distinction of character.



Lieutenant Maurer, 1945

Lee A. DuBridge

was chosen by the Board of Trustees to be President of the California Institute of Technology only after a long and careful search for the best possible man. Their standards were high: The new President had to be young and vigorous, an administrator of proven executive ability, able to represent the Institute well to the public, and a productive scientist of distinction. Dr. DuBridge was Professor and Chairman of the Department of Physics at the University of Rochester, which during the war had loaned him to the Massachusetts Institute of Technology. Of his work as Director of the M.I.T. Radiation Laboratory, the largest research and development laboratory ever assembled, President Compton of M.I.T. has said, "It was Lee DuBridge who held the staff together, drew from them their best efforts, and gave the directing touch when necessary. It was a magnificent achievement." That Dr. DuBridge had the proper attitude as well as the proper background and aptitude was equally clear, for when offered the Presidency of another school he reached the conclusion, "That I wanted to be a scientist, and that as a scientist the only institutions, if any, I could ever consider being president of were M.I.T. and C.I.T." Now he has the job; of the first few months we can say, "So far, so good;" of the future, we may well be optimistic.

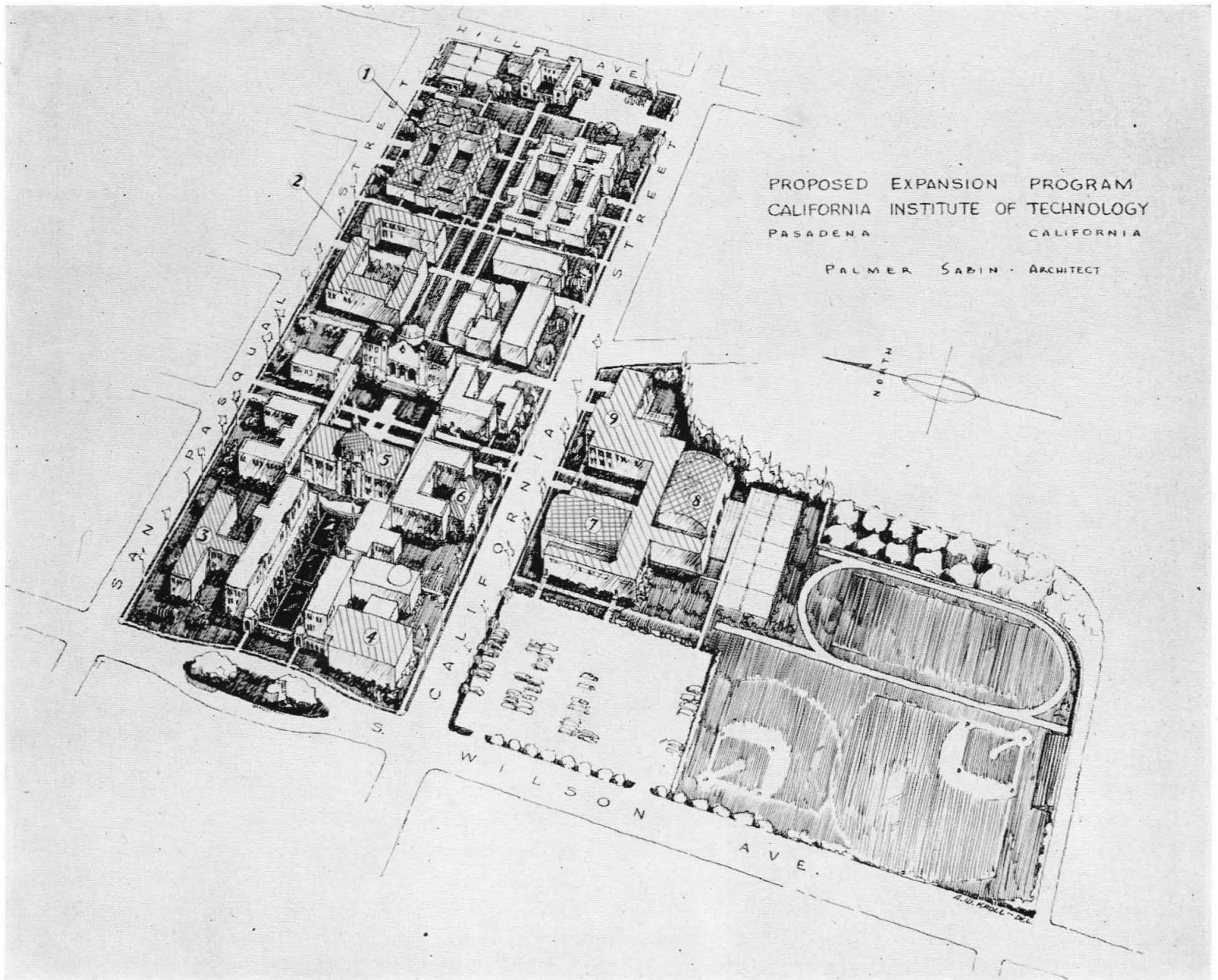
The Class of 1947 will be the first to graduate under Dr. DuBridge. Its President, John Mason, is a chemical engineer who during the war served the Army as a meteorologist. What further honor he and the men of his class are to reflect on the Institute is, as in the case of the new administration, for time to tell.

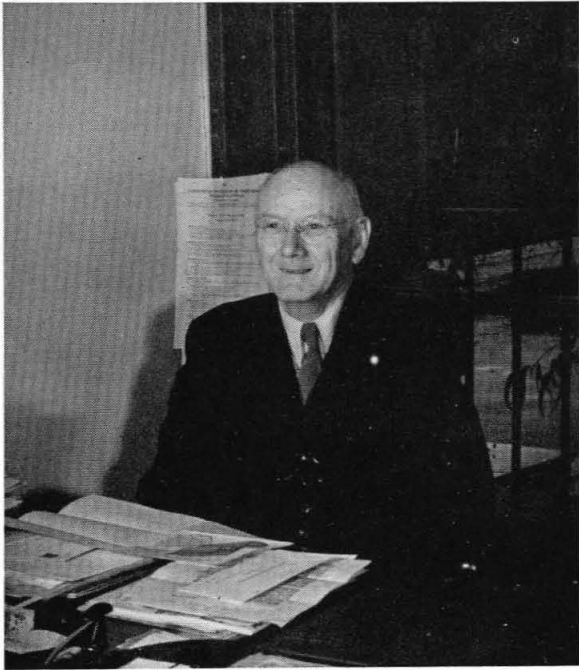
Outstanding among the reasons Dr. Lee A. DuBridge has ingratiated himself so completely and rapidly with the students and faculty of the Institute is his active support of the proposed plan of expansion. His many speeches were in no small measure responsible for the favorable outcome of the election permitting Pasadena to sell Tournament Park to the Institute. Such a transaction should make possible the proposed plan of expansion, illustrated below.

A second group of four Student Houses (1) is proposed, a mirror image of the first. Thus virtually all undergraduates will be able to have the advantages, tangible and intangible, of living on campus. In order that old Throop Hall may be devoted exclusively to the greatly increased administrative functions of the Institute, the Engineering departments are to have new quarters in a greatly expanded Engineering Building (2). The Biology department intends adding a third unit (3) to its laboratories on campus, and the Physics department also plans a small addition (6) to its facilities. A new auditorium (4), capable of seating the entire student body, is proposed to supplement tradition-packed Culbertson Hall, which will be retained for smaller meetings. Retained from the older Master Plan of expansion is the proposed Central Library (5).

A large parking lot is contemplated on the site of Paddock Field, but a new baseball diamond in the southwest corner of the present Park will be named in honor of Pasadena's greatest athlete, the world famous track man, Charles Paddock.

From the students' point of view, the essential features of the plan are a gymnasium (7), swimming pool (8), and Student Union (9). To quote from THE BIG T for 1922, "More can be expected from the basketball teams after the new gymnasium is completed."



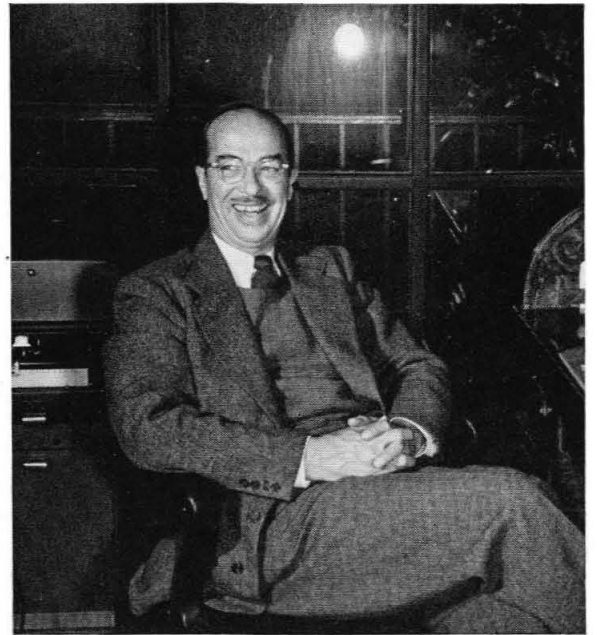


Franklin Thomas

DEAN OF STUDENTS

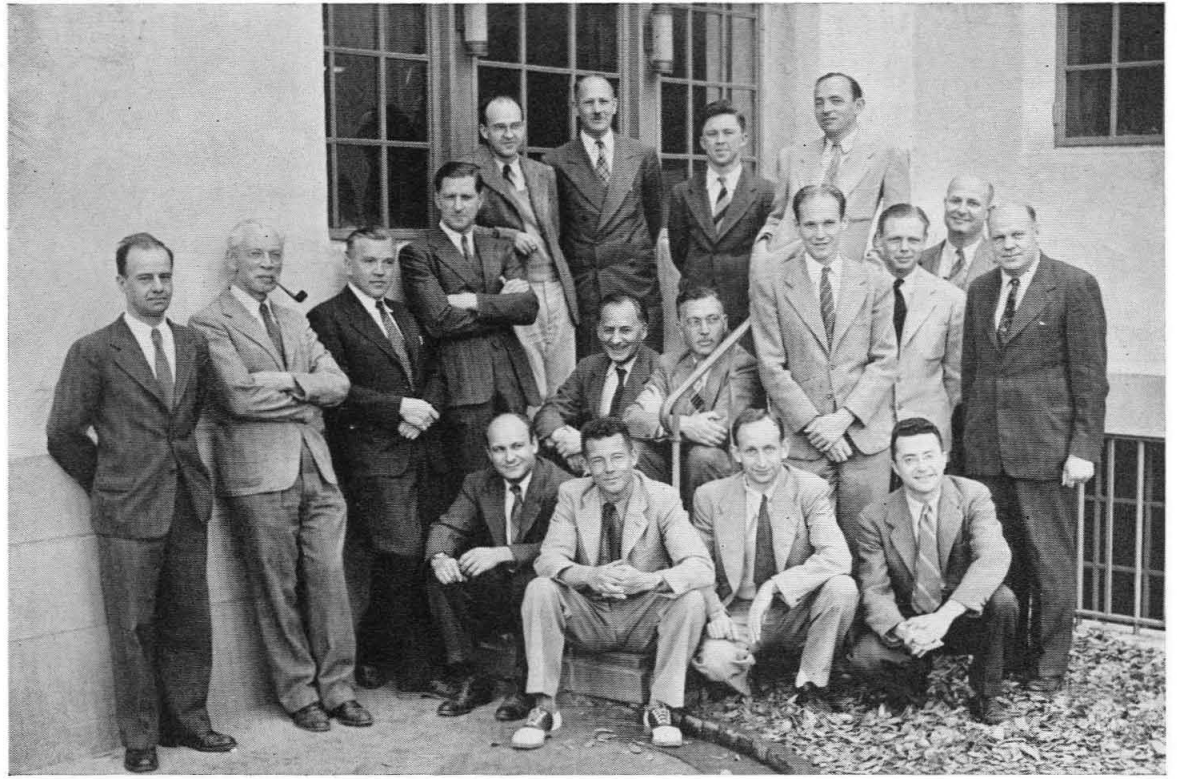
Foster Strong

ASSOCIATE DEAN FOR FRESHMEN



L. Winchester Jones

REGISTRAR AND ASSOCIATE
DEAN FOR UPPER CLASSMEN



Front seated: Jacob W. Dubnoff, James F. Bonner, Albert Tyler, Norman H. Horowitz. Back seated: Henry Borsook, Sterling Emerson. Standing: Geoffrey L. Keighley, Alfred H. Sturtevant, Fritz W. Went, Arie Jan Haagen-Smit, Samuel G. Wildman, George W. Beadle, Edward B. Lewis, Cornelis A. G. Wiersma, Herschel K. Mitchell, Anthonie van Harreveld, Gordon A. Alles, Ernest G. Anderson.

The Department of Biology is superbly equipped with the Kerchoff Laboratories and adjacent greenhouses, a farm at Arcadia, and the marine laboratories at Corona del Mar. George W. Beadle is the new Chairman of the department. The late Thomas Hunt Morgan's Nobel prize winning research on genetics and heredity has been continued by Professor Alfred H. Sturtevant, using the *Drosophila* fly. Other research work embraces the fields of plant and animal physiology, biochemistry, biophysics and embryology.



BIOLOGY



Left to right, first row: Stuart J. Bates, Dan H. Campbell, Ernest H. Swift, Don M. Yost, James H. Sturdivant, Robert B. Corey. Second row: Verner F. H. Schomaker, Laszlo Zechmeister, Joseph B. Koepfli, Carl G. Niemann, Howard J. Lucas, Stanley M. Swingle, Walter A. Schroeder

CHEMISTRY

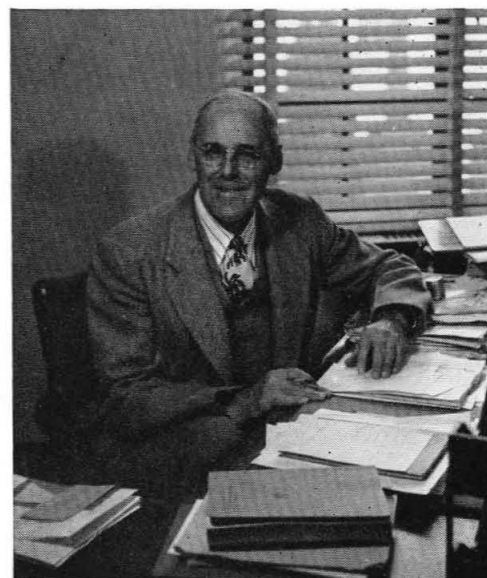
The Division of Chemistry and Chemical Engineering was highly honored this year by the presentation of the Willard Gibbs Medal to Professor Linus Pauling for his outstanding research work in chemistry, physics, and biology. Professor Pauling is director of the Gates and Crellin Laboratories and is particularly noted for his work on structural chemistry and the nature of the chemical bond.

The Chemical Engineering course, under the direction of William N. Lacey and Bruce H. Sage, is virtually without an equal, and consistently has a waiting list of applicants from throughout the nation.

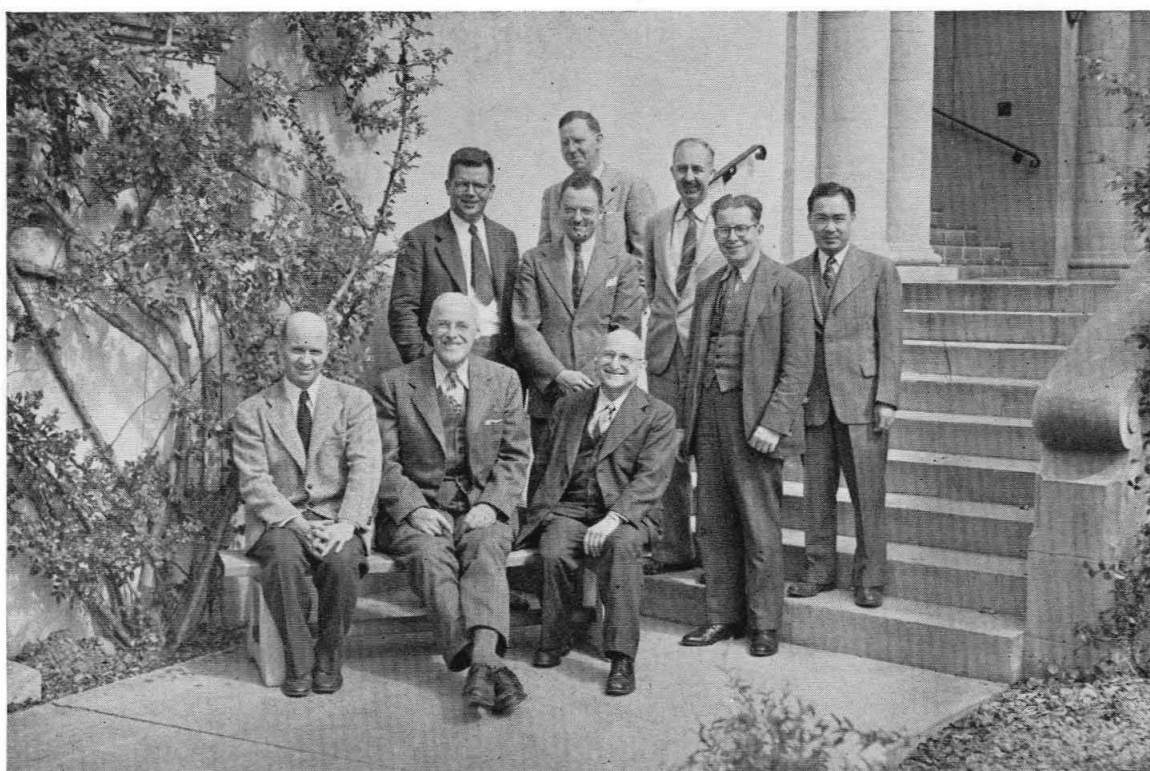


ABOVE: Left to right: Eldred W. Hough, Richard M. Badger, William N. Lacey, Bruce H. Sage.
LEFT: Linus Pauling.

GEOLOGY



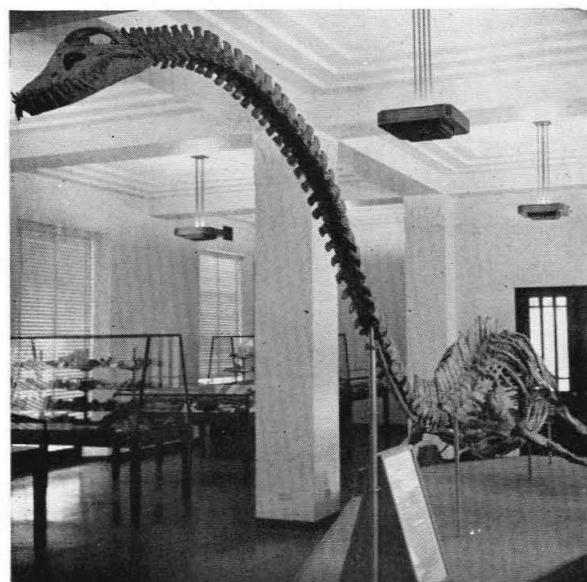
John Peter Buwalda

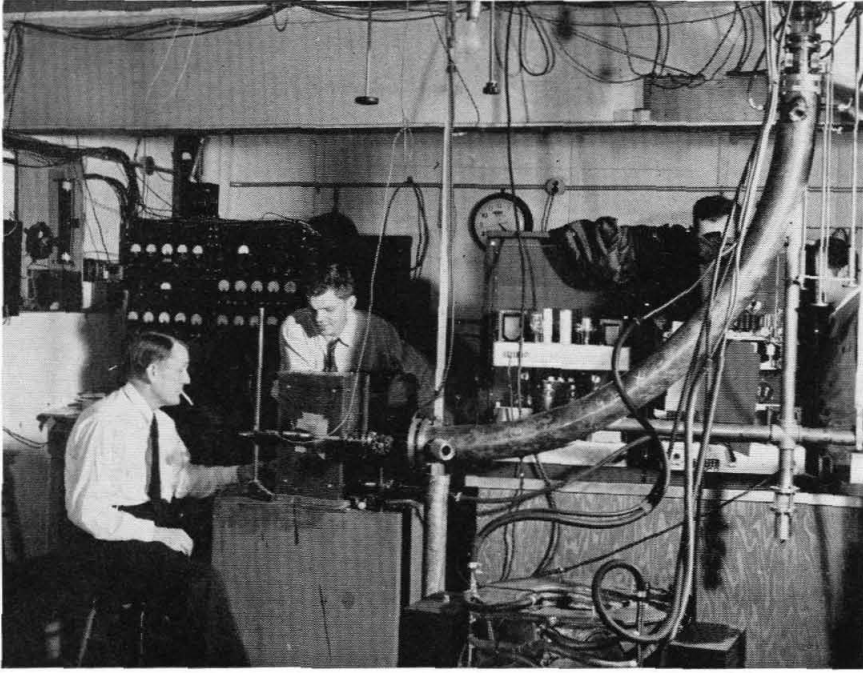


Left to right, seated: George Tunell, J. P. Buwalda, Beno Gutenberg. Standing: J. Wyatt Durham, Richard H. Jahns, Chester Stock, Ian Campbell, Charles F. Richter, Ch'eng-Yi Fu.

The Department of Geology, because of its fine facilities and advantageous location, is admirably suited for instruction and research in geology and related fields. Oil fields, the Southern Coast Range, and many world-famous mineral deposits are within easy range of week-end field trips, and an excellent collection of specimens is available for the study of vertebrate and invertebrate paleontology. The Seismological Laboratory is available for research work in seismology and geophysics. J. P. Buwalda is the Chairman of the Department, and Ian Campbell acts as Associate Chairman.

Research work and graduate instruction in Meteorology is carried on under Professor Irving P. Krick. Much of the technique of long range weather forecasting has been developed at the Institute.

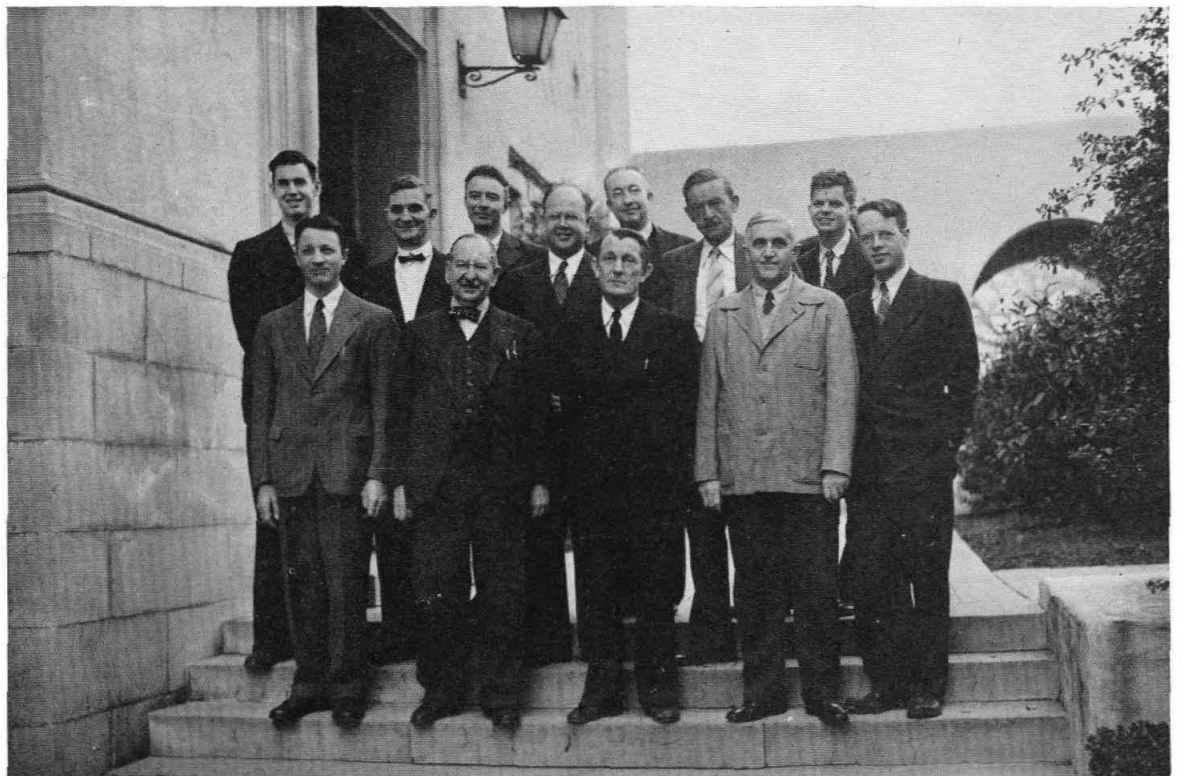


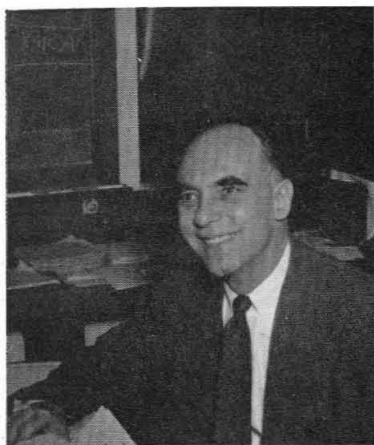


PHYSICS

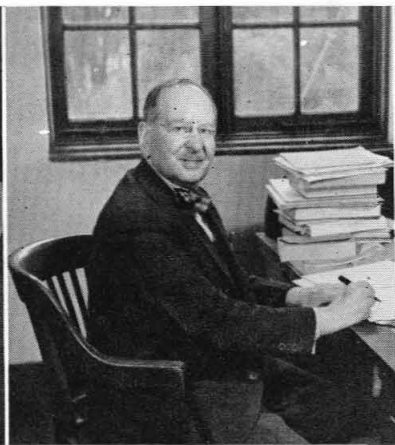
The research contributions of the Norman Bridge Laboratory of Physics have greatly enhanced the reputation of the California Institute for original scientific work. Current research projects include nuclear physics and cosmic rays. Among the outstanding men of the department are Robert A. Millikan and Carl D. Anderson, Nobel prize winners, Richard C. Tolman, technical advisor to Bernard Baruch, and J. Robert Oppenheimer, director of the Los Alamos atom-bomb laboratory. Earnest C. Watson is the Acting Chairman of the department and William R. Smythe supervises the Science course of the Institute.

Left to right, first row: H. Victor Neher, Paul S. Epstein, Charles C. Lauritsen, Gennady W. Potapenko, Leverett Davis. Second row: Robert F. Christy, William R. Smythe, J. Robert Oppenheimer, William A. Fowler, Jesse W. M. DuMond, Alexander Goetz, Thomas Lauritsen.





Carl D. Anderson



Paul S. Epstein

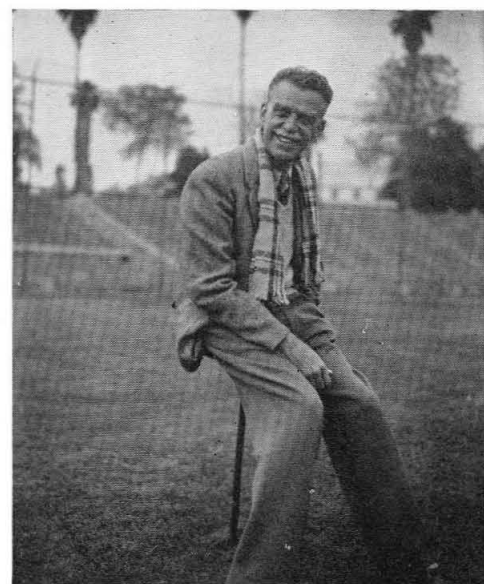


Irving P. Krick



Fritz Zwicky

E. C. Goldsworthy



ASTROPHYSICS

Left to right: Eric T. Bell, Morgan Ward, Aristotle D. Michal, Luther E. Wear, H. Frederic Bohnenblust, Robert P. Dilworth.



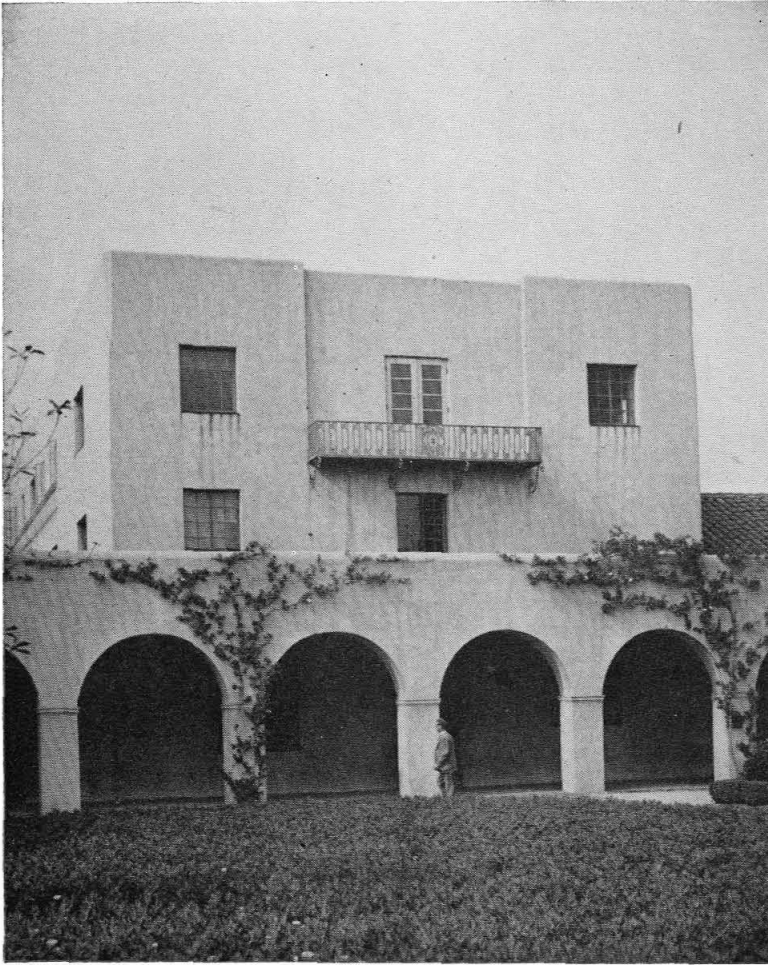
The work of the Department of Astrophysics, under the direction of Max Mason, Chairman of the Observatory Council, and Professor Fritz Zwicky, includes investigations of the galactic system, remote nebulae, and phenomena bearing directly on the constitution of matter. The completion of the new Astrophysical Laboratory on Mount Palomar, with its 200-inch reflecting telescope and Schmidt cameras, will supplement the facilities on Mount Wilson and enable the department to intensify its research greatly.

The Department of Mathematics, besides giving instruction to all undergraduates in elementary mathematics, conducts a course of advanced work for a limited number of students and carries on researches in pure mathematics. Prominent men in the department are E. T. Bell, A. D. Michael, and Morgan Ward.

Colonel E. C. Goldsworthy holds, in addition to a chair in the Department of Mathematics, the very important position of Master of the Student Houses.

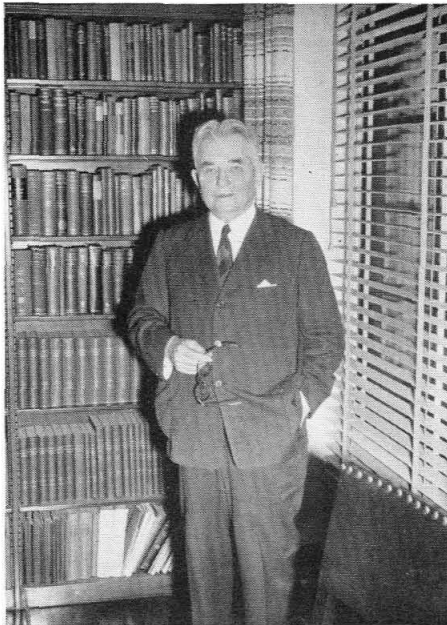
MATHEMATICS

HUMANITIES



The California Institute, unique among American technical schools, offers a well-rounded course in which the student spends much of his time in the Division of Humanities. Under the Chairmanship of Clinton K. Judy, instruction is offered in Literature, Languages, Philosophy, Economics, History, and Government. An Industrial Relations Section, under the direction of Professor Robert D. Gray, maintains a reference library and conducts surveys and research studies on problems in industrial relations. Because of the close association of the Division with the Huntington Library, many opportunities for research are offered the faculty and much benefit is derived by the students from the Library facilities. Dr. Wallace Sterling, Professor of History, has done extensive research at the Hoover Peace Library at Stanford, and is a recognized authority on current history. His course in current affairs is one of the highlights of the senior humanities program.

William B. Munro

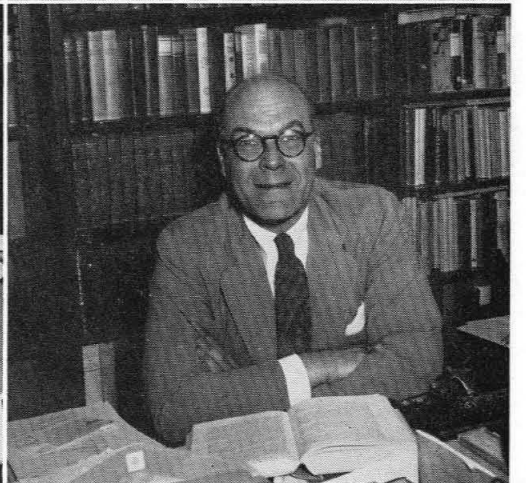


Clinton K. Judy



George R. MacMinn



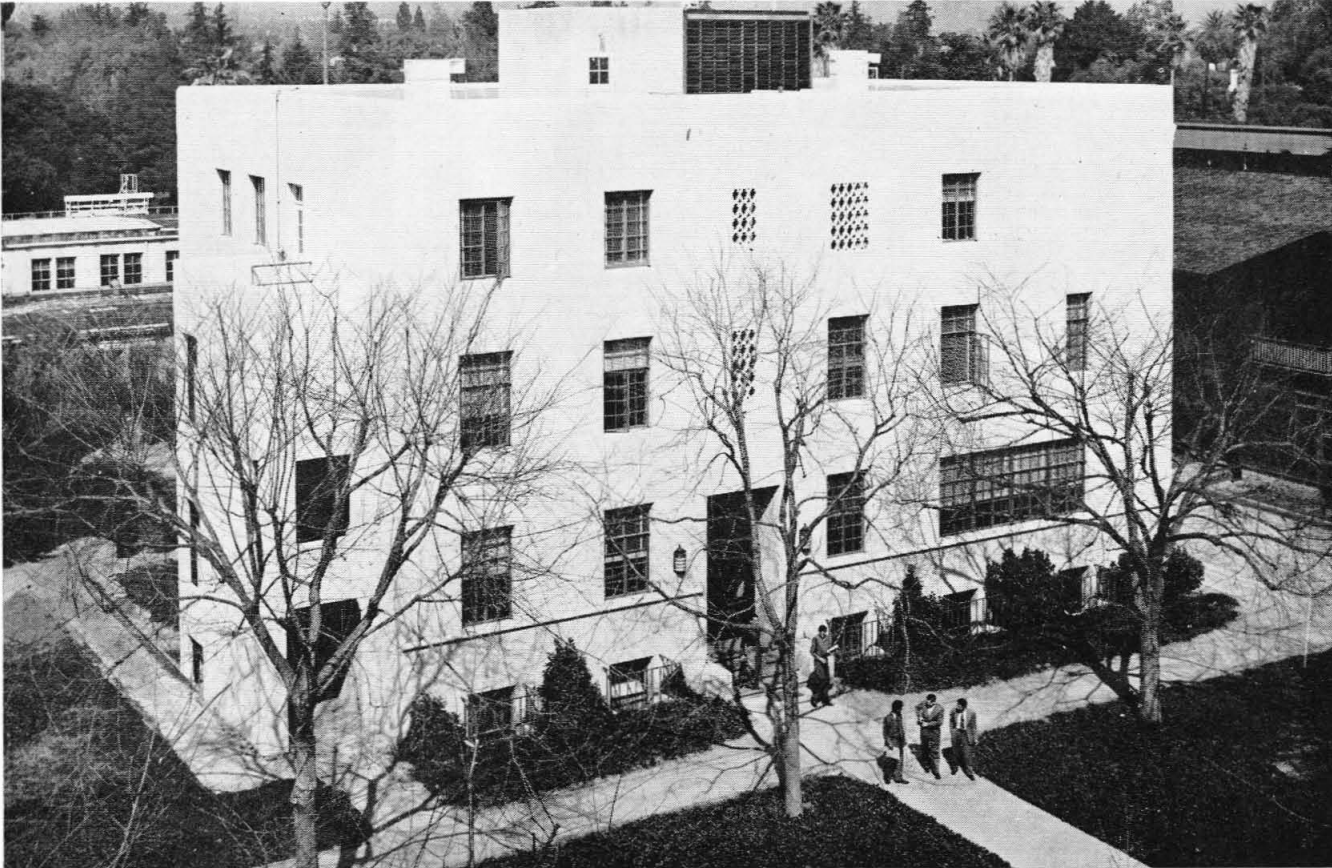


**J. E. Wallace Sterling
William Huse**

**Ray E. Untreiner
Harvey Eagleson**



ENGINEERING



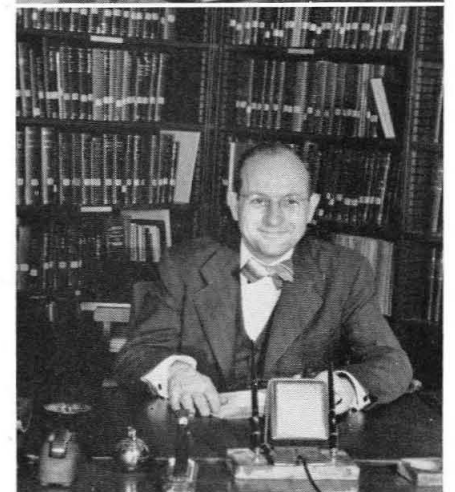
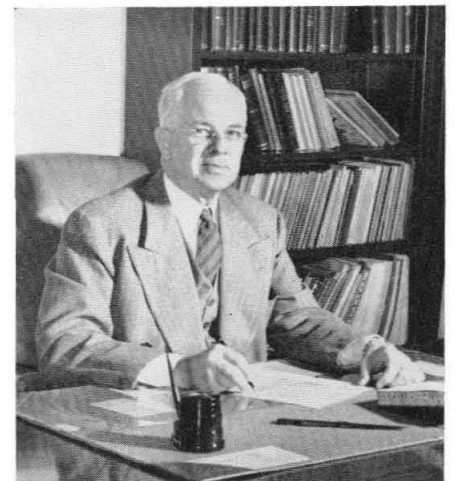
The engineering departments of the Institute are concerned with the development of applied science for purposes useful to the community. Thus, many of the members of the engineering faculty are known not only for their work at the Institute, but also for their contributions to industry and public utilities. Many industries, in appreciation for these services, have established research grants and fellowships at the Institute for advanced work in engineering.

The work in civil engineering includes the minimizing of earthquake effects, stress analysis and design problems in dams, sanitation, sewage treatment and disposal, soil mechanics, and highway construction. Professor Franklin Thomas, who heads the department, is a member of the board of directors of the Metropolitan Water District.

A High-Potential Research Laboratory and a million volt transformer designed by Professor R. W. Sorenson, donated by the Southern California Edison Company, Ltd., provides facilities for the research of the Electrical Engineering Department into high voltage phenomena.

The Department of Mechanical Engineering, under Professor Robert L. Daugherty, is concerned with problems in hydraulics, machine design, materials and processes, metallography, and thermodynamics.

Robert L. Daugherty
Donald S. Clark

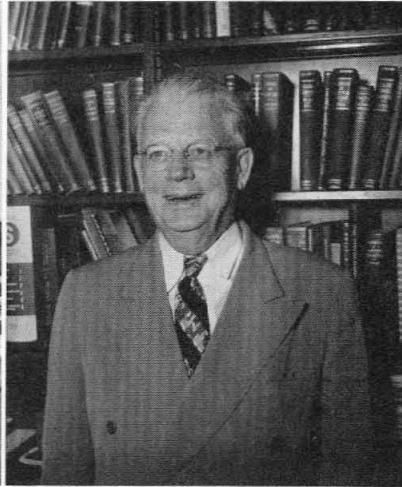


MECHANICAL

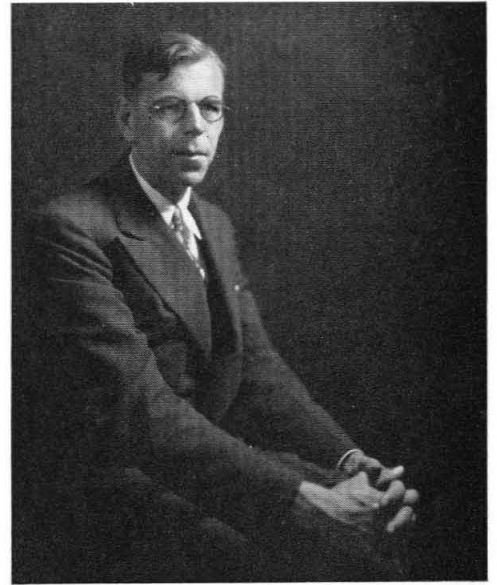
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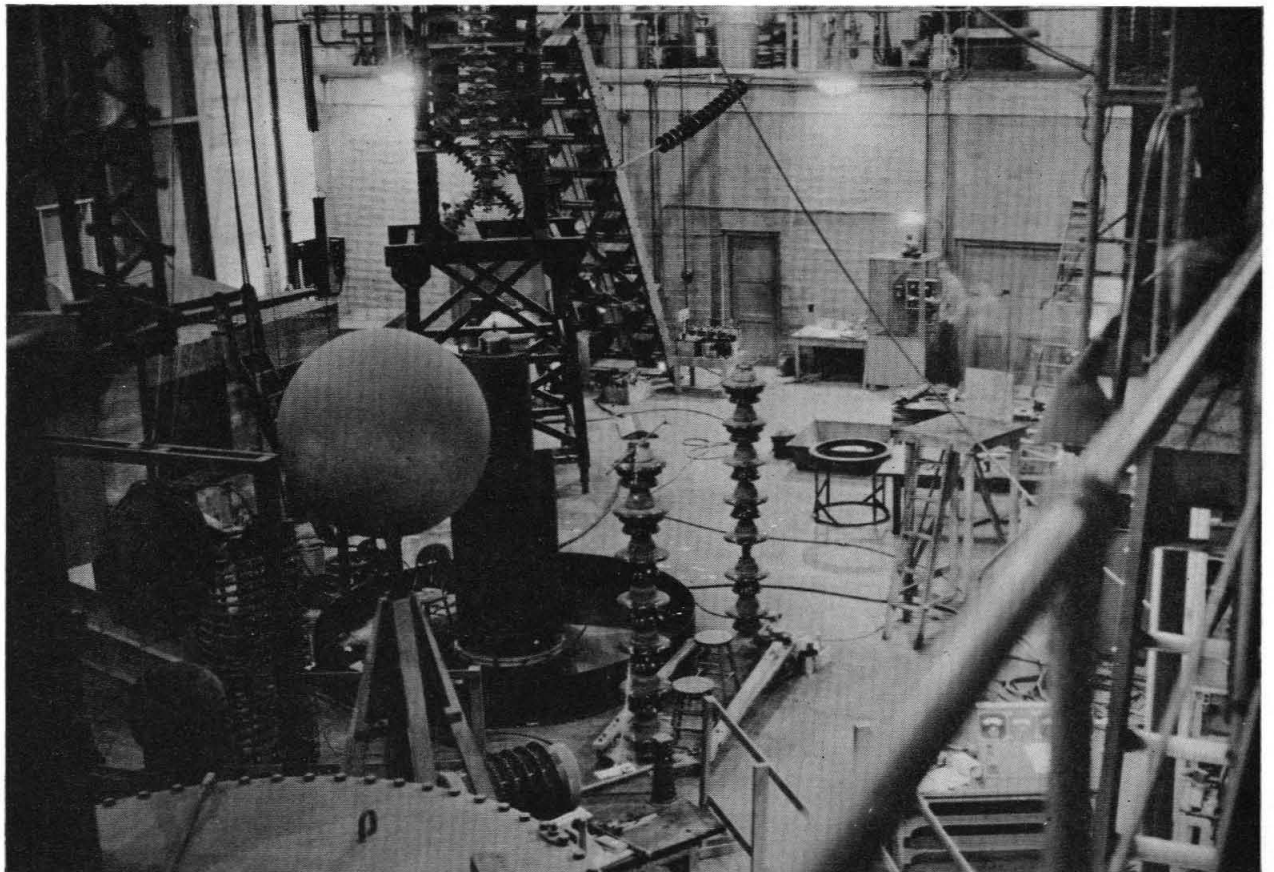
Frederick C. Lindvall



Royal W. Sorensen



Samuel S. Mackeown



AERONAUTICAL



Theodore von Karman



Ernest E. Sechler

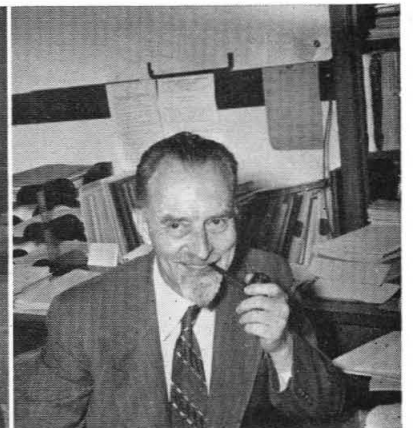


Clark B. Millikan



Franklin Thomas

Romeo R. Martel



CIVIL



T H E C L A S S E S

SENIORS



RAMON TERMINEL, SECRETARY



The class of '47 is perhaps one of the most unusual classes ever to graduate from Tech. It started out, back in the fall of 1944, as a small but active gang of 32 freshmen. Speeding through 4 academic years in 3, the class suffered severely from draftosis. By the Junior year a mere handful of 12 was left to carry on. But with the end of the war and the return of GI Joe Beaver she suddenly swelled her ranks to 154. Men from 18 to 29, from the classes of '40 to '47, graduated together this year.

JOHN MASON, PRESIDENT

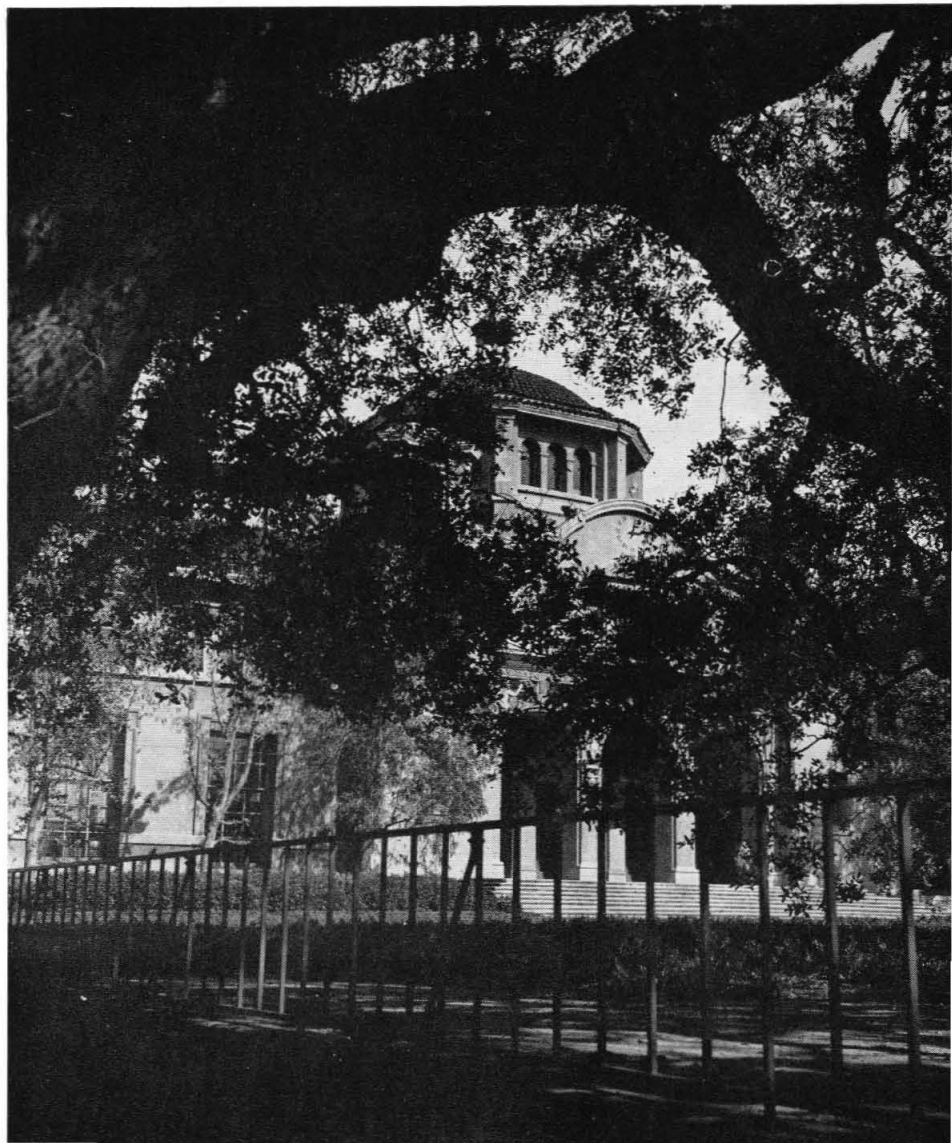


MANFRED EIMER, TREASURER



JOE ROSENER, VICE-PRESIDENT

Among the old guard were the class officers: John Mason, the president; Joe Rosener, the vice-president; Ramon Terminel, the secretary; and Manfred Eimer, the treasurer. These men, along with other prominent seniors such as Lang Hedrick, Norm Lee, Dean Johnson, Dave Caldwell, and Dave Douglas, led the student body in establishing the school traditions, rebuilding the school spirit, and developing a host of student activities. The class of '47 will be the first to graduate in the new post-war era, a symbol of a bigger, better Tech, the new Tech.

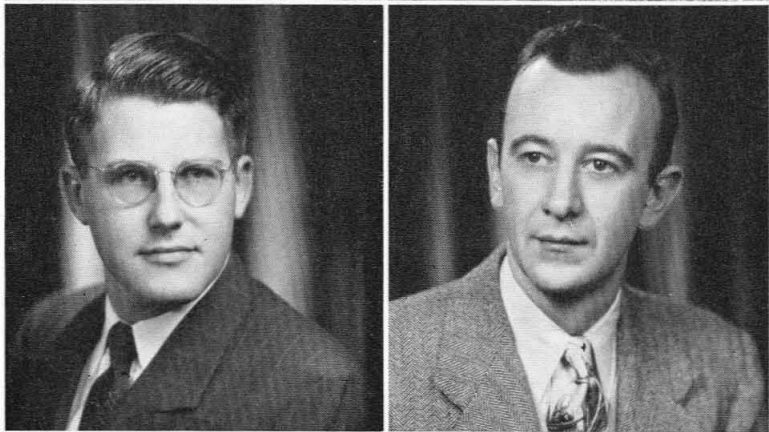


APPLIED CHEMISTS



JOHN BILLHEIMER . . . Another native son, from Pasadena . . . member of Chem Club, Throop Club . . . participated in Frosh debate in '37 . . . only known ambition is to graduate.

GEORGE GORDON GAMMANS . . . From North Hollywood . . . transferred from L.A.C.C. in Junior year . . . likes to tinker with things to see what makes them tick . . . a chemist at heart . . . an ardent conversationalist, but keeps his private life strictly under cover.



DONALD I. GRANICHER . . . Don has been one of the mainstays of Ricketts since 1939 . . . liked the Junior year so well that he went through it three times . . . His activities include 2 years as treasurer of Ricketts and chairman of the UCC, vice-president of the Chem Club, member of the Glee Club, Beavers, Senior Judge of the Court of Traditions . . . an enthusiastic booster of house sports.

HARVEY LAWRENCE . . . A native son from Los Angeles . . . genial Harvey is a long-time Throop Club man . . . started at Tech in '38 with 4 years in the RCAF and USMC in between . . . won his numerals on the frosh baseball team in 1939 . . . recently married.

PAUL A. LINAM . . . Entered Tech in 1943 and has gone straight through except for a year in the navy . . . Paul is a member of the Chem Club . . . sketches and paints in his spare time . . . noted for his quiet sense of humor.



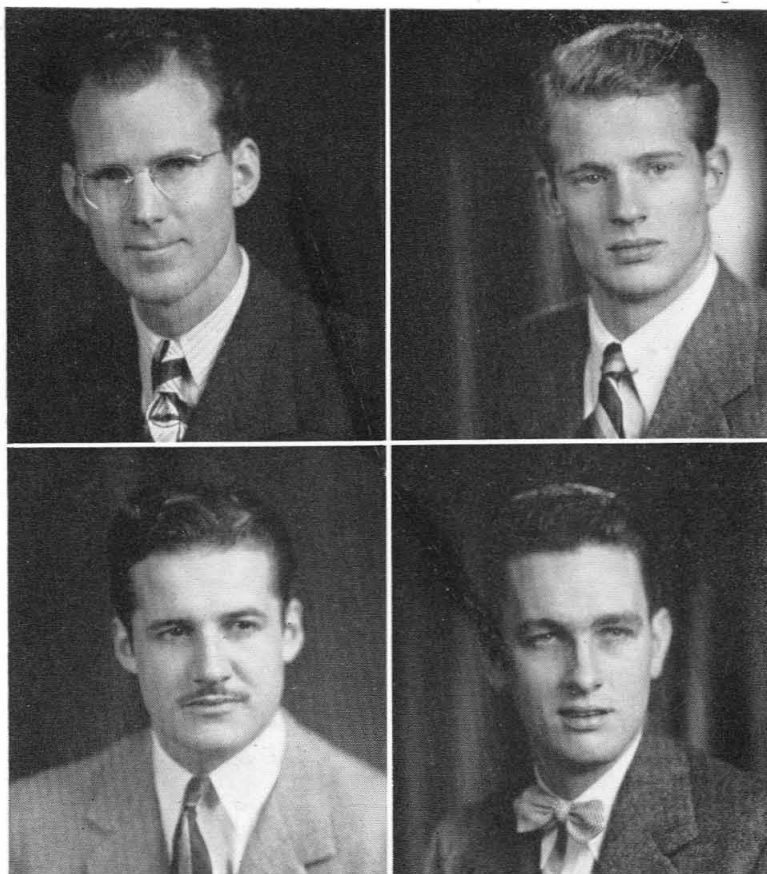
JOHN L. MASON . . . Honor key . . . senior class president and a Dabney House "elder statesman" . . . started at Tech in 1940 . . . Three year baseball letterman, Election Committee chairman, Chem Club treasurer . . . member of Beavers, Varsity Club, Publicity Committee, "California Tech" and "Big T" staffs . . . expects to continue academic pursuits (interrupted by three years in the Air Corps weather service) with grad work in Chem Engineering at Tech.

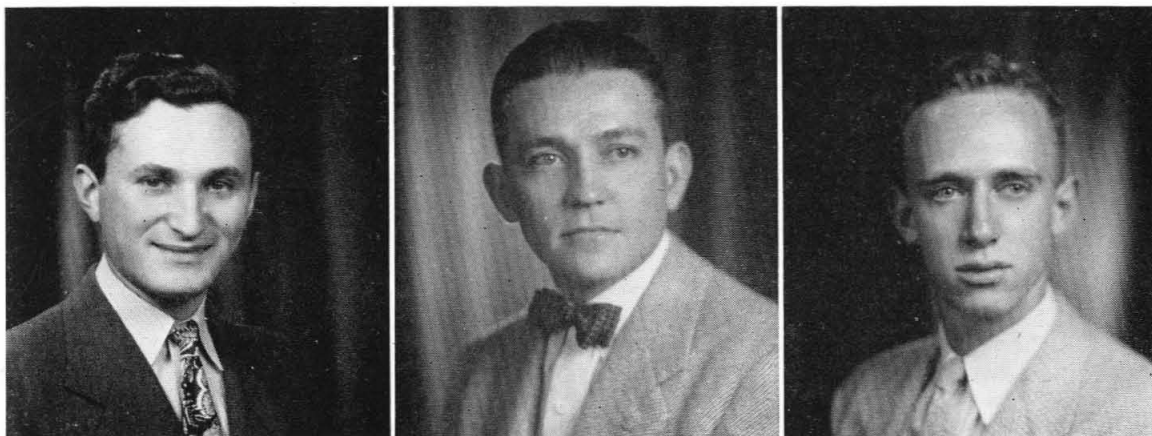
DONALD DALTON MON . . . Entered Tech in 1939 from Long Beach . . . served as secretary of the Beavers, V-P of the Junior Class, and as the first postwar president of Ricketts House . . . Don is forsaking Applied Chemistry for the Stanford Law School . . . Doubtless a wise choice since he is far and away the fastest talker in school.

ELMO MOOREHEAD . . . Moory was in Throop Club until his senior year when he joined Dabney . . . enthusiastic barn dance man . . . hobbies are soccer, skiing, and Lacey problems . . . plans to do grad work at MIT.

RAMON TERMINEL-SALIDO . . . Transferred to Tech in 1941 from University of Mexico as a soph . . . secretary of the senior class, a two-year soccer letterman and team captain, and a Varsity Club man . . . God's gift to women . . . plans to become the first president of Mexico with a CIT degree.

JEPHTHA A. WADE . . . Jep started out at Tech as a member of the class of '44 . . . vice-president and social chairman of Blacker . . . dancer and bridge player par excellence . . . pet hates: demand curves and Lacey problems.





JONAS BRACHFELD . . . Has compiled an excellent record since he came up to Tech from Mexico City, serving as treasurer of Tau Beta Pi and president of the Chem Club . . . Joni is headed for Med School, but is graduating as a chemist.

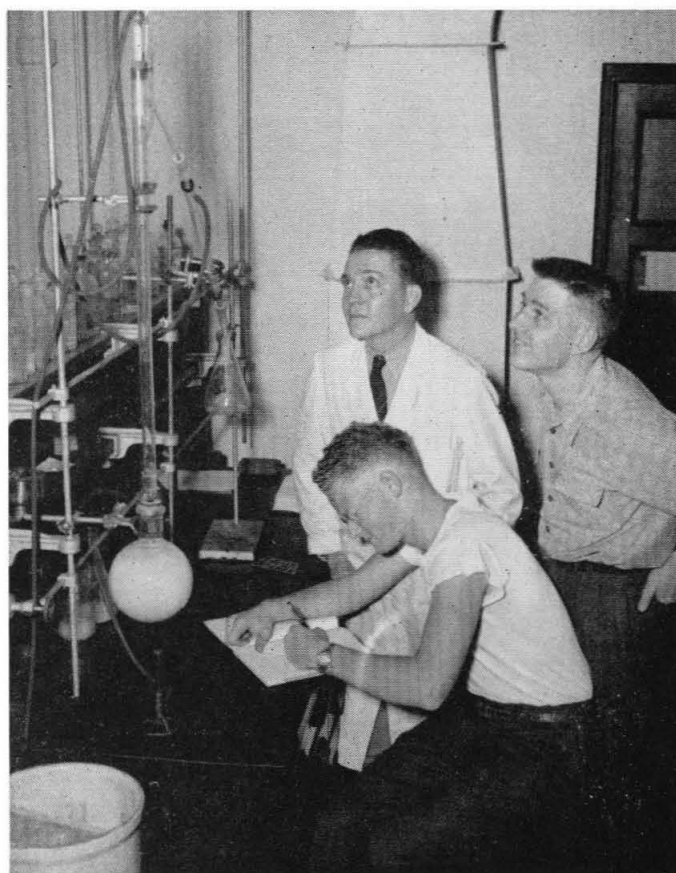
GEORGE HARDY . . . Home is in Pass-a-Grille, Florida . . . George is one of the younger and brighter men in the class . . . His g.p. average of 3.6 is just about tops. Formerly in Throop Club, then moved to Dabney . . . Member of Musicale and Chem Club.

DAVID L. DOUGLAS . . . Dave is president of Tau Beta Pi chapter, and also president of Dabney House . . . hails from Kilmarnock, Virginia . . . originally a member of class of '43, but four years in the Air Corps changed things . . . member of Chem Club, Beavers . . . one of the mainstays of the golf team . . . will be on campus in the fall.

CAMERA SHY

ROBERT H. HARRIS . . . Comes from Dayton . . . Bob is a gray ghost of the class of 1941 . . . was a member of Blacker from '37 to '41 . . . is now married . . . hobby, supporting wife . . . plans to get his Ph.D.

CHEMISTS



CHEMISTS

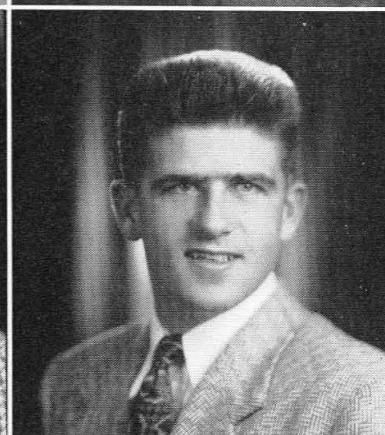
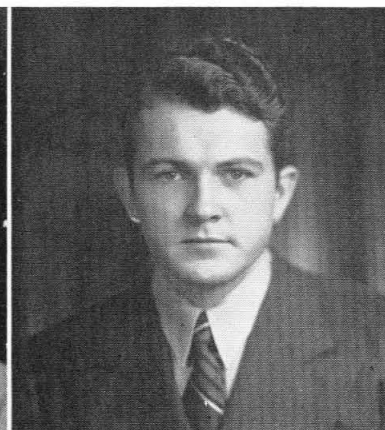
JOHN HARRISON . . . Pasadena's prodigy . . . won the McKinney prize . . . John is a member of Musicale and Chem Club . . . interested in music.

RICHARD HERNDON . . . From Los Angeles . . . Dick is one of the live wires of the chem section . . . spent weeks trying to make sugar in organic lab.

JOHN M. MAYS . . . Tau Beta Pi . . . lucky Jean entered in 1940 . . . took a few years off to serve Uncle Sam in the Air Weather Service . . . likes music, literature, and politics . . . opposed to exercise . . . plans to do grad work in Chemistry and marry a rich widow.

DALE JOSEPH MEIER . . . Tau Beta Pi, president of the Chem Club, Dale comes from "distant" L.A. . . . active in Ricketts House sports, varsity soccer . . . spear fishing enthusiast . . . plans to go right ahead at Tech.

ROLLIE J. MYERS, JR. . . . Rollie is from South Pasadena . . . known for his winning smile, crew haircut, and troubles with the German language . . . already has a research paper to his credit . . . plans to enter the grad school in September.



CAMERA SHY

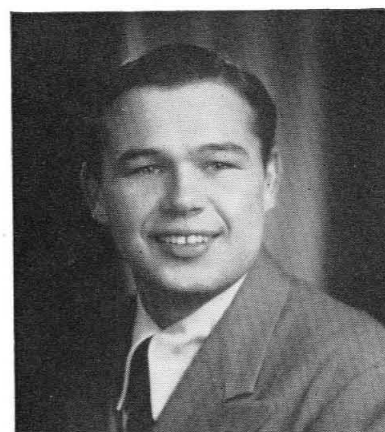
WILLIAM ROBERT KING, JR. . . . Just a local boy from L.A. . . . member of A.C.S. . . . took a two-year vacation in the Marine Corps . . . likes flying . . . decidedly unambitious.

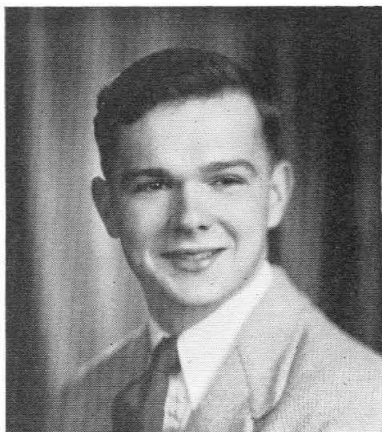
RICHARD M. MENDENHALL . . . Born and bred in Dayton, Ohio . . . one of the oldest men in his class . . . quiet and secretive . . . pet hate, answering questionnaires for the Senior Editor.



AEROLOGIST

DAVID OPPERMAN . . . The Count of Ricketts House . . . from Piper City, Illinois, but likes sunny California better . . . circulation manager of California Tech.





GEOLOGIST

EUGENE M. SHOEMAKER . . . Gene, even though his bridge is of dubious value, has shown himself willing to participate in activities to the extent of earning an Honor Certificate . . . Head Yell Leader . . . Senior Editor of this Big T . . . would like to get rich quick with oil, but prefers to fool around with rocks and sand.

MATHEMATICIANS

HAROLD KUHN . . . man whom Tau Beta Pi and Musicales are proud to call their own . . . "local native," coming from Los Angeles . . . scholar and mathematician of the first water . . . plans on a Ph.D. in mathematics as soon as possible.

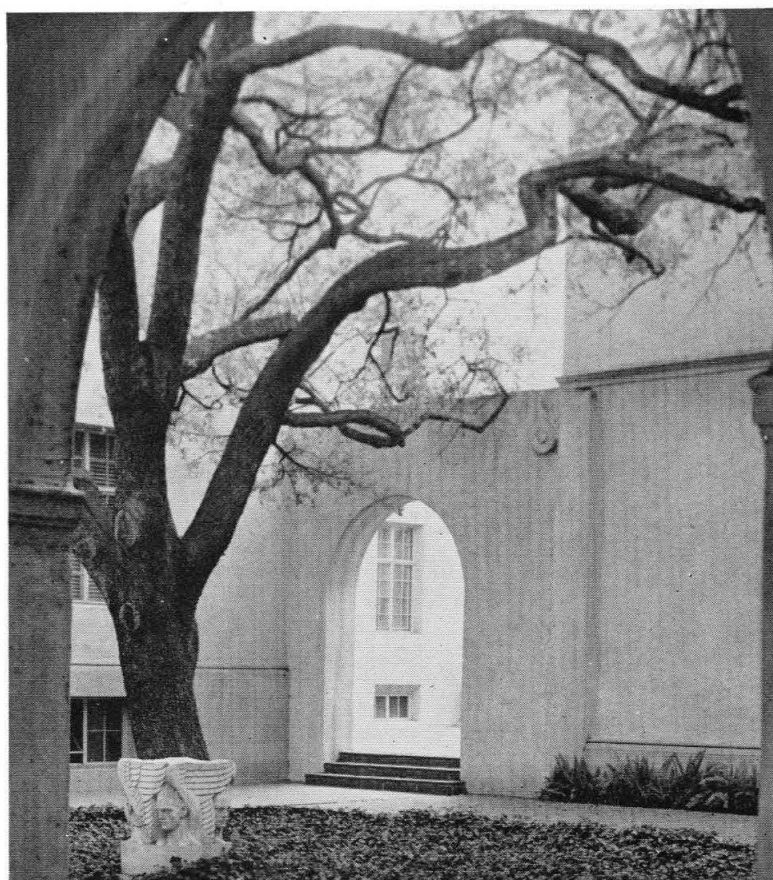
CHARLES H. McDOUGALL, JR. . . . Two honor keys . . . Mac came to Tech in '39 . . . was a real wheel until he left for the Navy in '42 . . . since his return he has settled down to married life . . . a football and track letterman . . . member of the Beavers and Varsity Club . . . was a prewar Ricketts man . . . has served as treasurer of Throop since . . . wants to get a job and lose 20 pounds (?).



CAMERA SHY

MYRON LIPOW . . . Another youthful prodigy, graduates at 19 . . . one of Pasadena's own . . . changed from chemistry to math as Soph after transferring from PJC . . . noted for his 5 by 5 figure and his good-natured disposition.

PETER SWERLING . . . strictly a local boy from Beverly Hills . . . plays tennis . . . easily the youngest of his class, turned 18 in March . . . noted for a spacious, well-stocked beach house . . . Pete thinks a Producer's life is a pretty good racket, especially with lots of contacts in Hollywood.



APPLIED PHYSICISTS



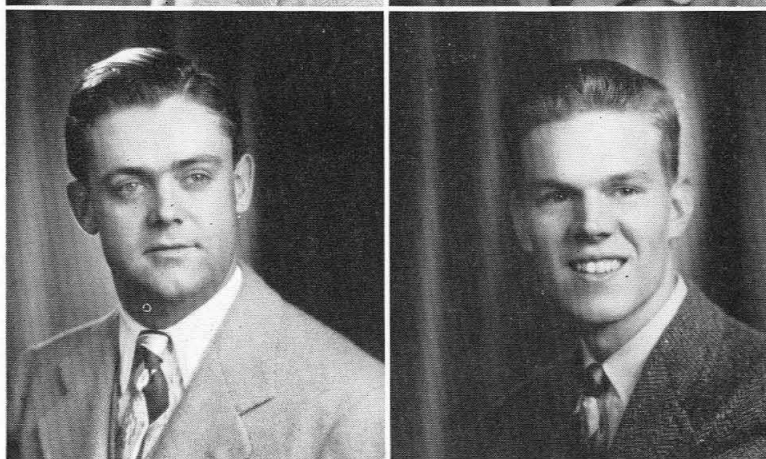
REED ANDERSON . . . Scholarship in '41 and '42 . . . Reed is a Throop man . . . has distinguished himself scholastically and forensically . . . played with the band and served as social chairman of Throop Club . . . likes cross-country and track.

ARTHUR F. BRIGHT . . . Looms from South Pasadena . . . business manager of California Tech . . . likes golf and tennis . . . appreciates music no end . . . enjoys monkeying with radio and photography . . . dabbles in football . . . old family man (wife Dorothy and son Clark, 3 years).



HARRY P. BRUEGGEMANN . . . Eminent photographer and astronomer . . . hails from St. Louis . . . kinda likes music, member of Glee Club . . . completed work on master's degree . . . old family man (wife Mary Lou and cute 21 month Linda Ann) . . . will lend talents to General Electric.

ARTHUR J. CRITCHLOW . . . A son of Baldwin Park, California . . . ex-Throop Clubber . . . Varsity football . . . plays chess like mad . . . radio authority par excellence . . . has lost all ambition for worldly acclaim, so will write and work on atomic power.

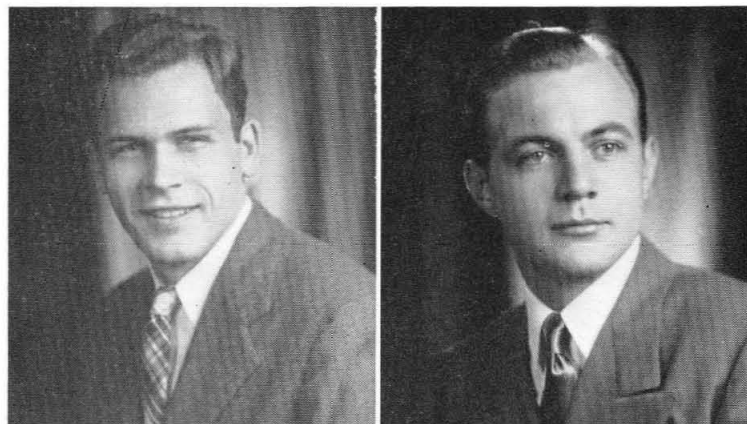
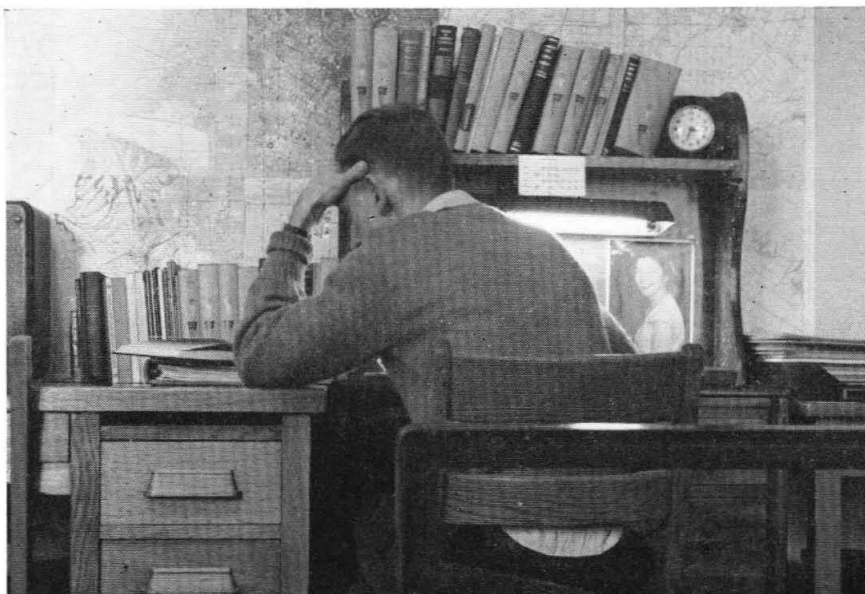


JOHN J. DENISTON . . . Native of Wisconsin, more recently from Pasadena . . . Master of Radar, enjoys cooking up weird electronic brainchildren . . . indulges in the Waltonian tradition but is too modest to tell fish stories . . . plans on doing communications development.

THOMAS N. WILSON . . . Tom transferred here in '45 from University of Toronto . . . member of the California Tech staff . . . wants to be an accomplished linguist . . . likes to swim . . . future plans are undecided but we know he'll do well in whatever he may try.



PHYSICISTS



GEORGE A. AUSTIN . . . In Who's Who Among Students, has an honor key, Tau Beta Pi . . . Fleming man from Michigan . . . active in house sports . . . served on Big T and Calif. Tech staffs . . . member of the Board of Control . . . Beaver president . . . great music lover.

JOHN RUSSELL BAUER . . . A well known member of Dabney House, Jack plays football and basketball . . . dabbles in literature and music . . . was feature editor of the California Tech in 1946 . . . plans to study international affairs.



DAVID O. CALDWELL . . . dangles honor key, Varsity Club T, Who's Who Among Students scroll from Key-chain . . . Chairman of Interhouse Committee, Prexy of Blacker, member of Beavers, Student Federalists, and IRE . . . on varsity football squad and sports tennis letter . . . has terrific little black book, yes-s-s . . . in Greek play . . . will do graduate work.

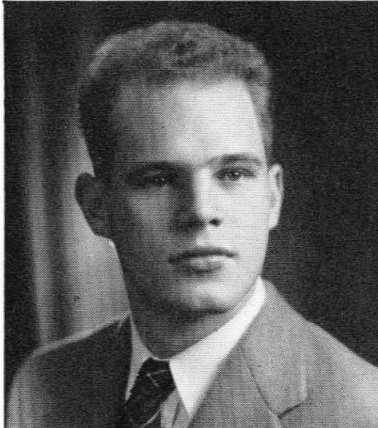
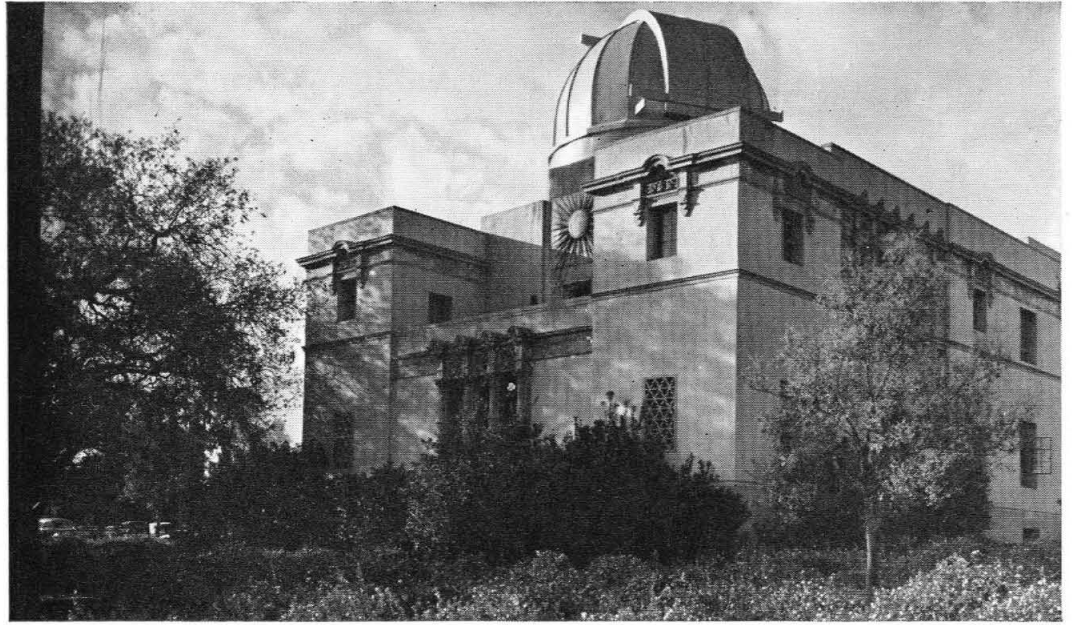
WILLIAM HAMMERLEE . . . Tau Beta Pi . . . lured out from Ohio . . . Fleming House letter in sports . . . Bill says that bridge helps him concentrate . . . exponent of horizontal engineering . . . plans to become a nuclear physicist after social vacation at Tech is over.



ROBERT W. KENNEY . . . Tau Beta Pi . . . Bob is a top-notch physicist from Portland, Oregon . . . member of AIEE, Radio Club, Musicale, YMCA . . . one of the most popular men of the senior class . . . wants to do graduate work in physics.

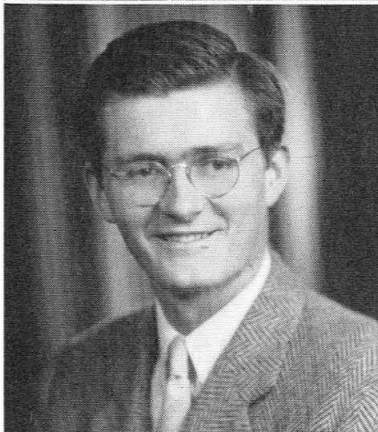
BARTHOLOMEW LOCANTHI . . . a married student from White Plains, New York . . . has been here off and on since 1938 . . . Bart is a member of the IRE . . . his hobbies are radio, photography, and tennis . . . hopes to work in research lab.

PHYSICISTS



DAVID E. MULLER . . . Right at home in Pasadena . . . interrupted school in 1944 for a stretch in the U. S. Navy . . . Dave returned very much domesticated.

ARNOLD HASTINGS NEVIS . . . Honor key . . . Dabney man from Glendale . . . Tech career was interrupted by three years in the Air Corps . . . photo editor of '47 Big T . . . plans to enter Harvard Medical School in the Fall . . . wants to be a medical missionary to the Orient.



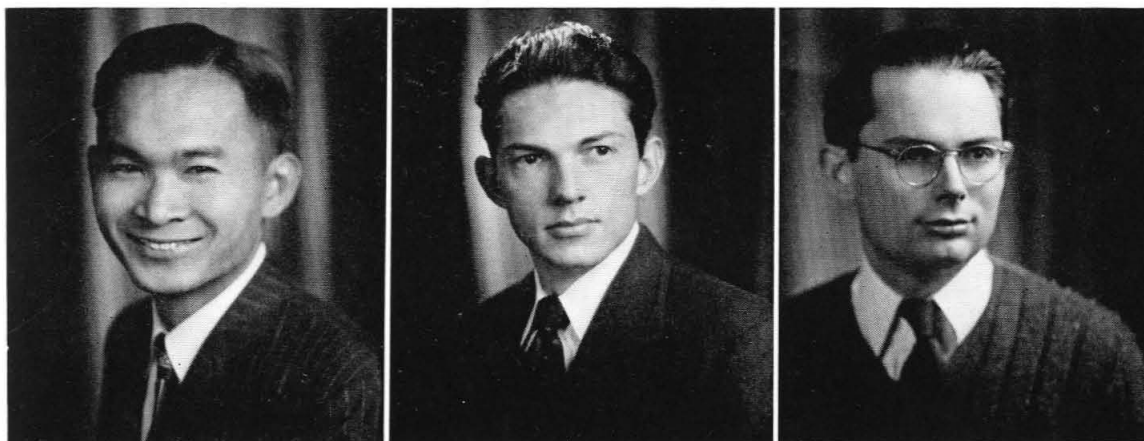
WALTER T. OGIER . . . Member of Tau Beta Pi and Musicales . . . Walt is from South Pasadena . . . ex-president of Musicales . . . plays piano to relax.

CHARLES B. SHAW, Jr. . . . Honor key . . . editor of this Big T and ex-feature editor of the California Tech . . . president of the Orchestra and Musicales, member of Glee Club . . . ex-Throop Clubber now of Dabney . . . late of honor standing . . . mean chess player . . . is an amateur wrestler from Dallas, Texas.



LEON SHENFIL . . . From San Francisco, California . . . a Ricketts man whose hobbies are bridge and tennis . . . can be found sleeping at all hours of the day.

ROBERT M. STEWART . . . A good physicist when he has the time for it . . . known for the many "combo's" he has led with his fine trumpet styling . . . member of Board of Control, Beavers, Dabney House . . . one of the Ski Club "schussers" . . . plans to continue school in the east.



CHAROEN VADHANAPANICH . . . Entered Tech and Ricketts House in 1940 from Siam . . . made his letter on the tennis and soccer teams . . . member of Varsity Club . . . Charlie was secretary of his junior class . . . member of Internations Association . . . wants to be a meteorologist in Siam.

JERRY DALTON WARD . . . Made honor key in '46 . . . Tech's gift from Beaumont, Texas . . . was president of Dabney House after Navy left . . . on Board of Control, Beavers, member of Ski Club.

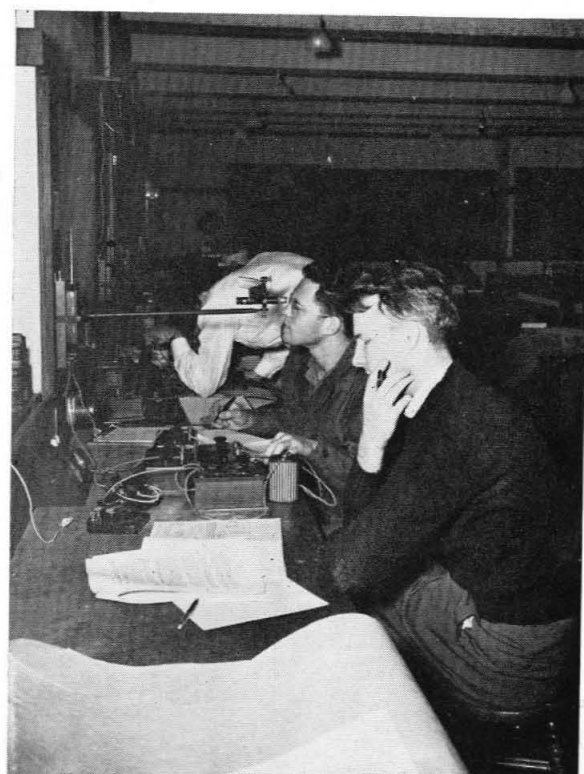
ERIC J. WOODBURY . . . Wears the Bent of Tau Beta Pi . . . comes from Pasadena . . . noted for scholastic achievement . . . enjoys music, member of Musicale . . . old family man . . . will do graduate work in physics.

CAMERA SHY

HAL BANBROOK . . . Local boy, received scholarships to Tech in his freshman and sophomore years . . . Blacker than Dabney . . . his hobbies are bridge and typhoon study . . . for the future he is thinking of studying higher mathematics.

RODERICK K. CLAYTON . . . Born in Tallinn, Estonia . . . another of our happily married physicists . . . Chairman of advisory committee . . . Throop Club . . . member of Lorquin Entomological Society since 1935 . . . will do biophysics research.

GEORGE G. KELLEY . . . Hails from Boman, Maryland . . . another of our physicists, which may or may not explain his interest in radio . . . likes music . . . married in February so big plans for the future include a home with his wife.



CIVIL ENGINEERS

DUDLEY E. BENNETT . . . Arlington, Calif. . . . UCC in Fleming . . . slings the discus, shot, and the bull incessantly . . . ASCE . . . BTO . . . Dud is noted for lending his left-handed golf clubs to right-handers.

FRANCIS ROBERT BOWERMAN . . . Tau Beta Pi . . . Frank hails from nearby Los Angeles . . . was president of ASCE . . . sports are golf and fencing . . . likes photography.

ROBERT K. BREECE . . . Member of Tau Beta Pi and ASCE . . . ex-class fo '44 . . . home town is Pasadena . . . his major interest is his wife and his minor is inventing a self-leveling transit.

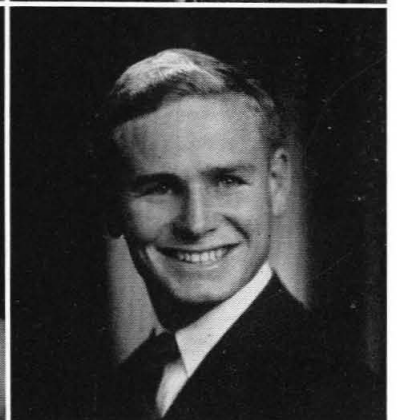
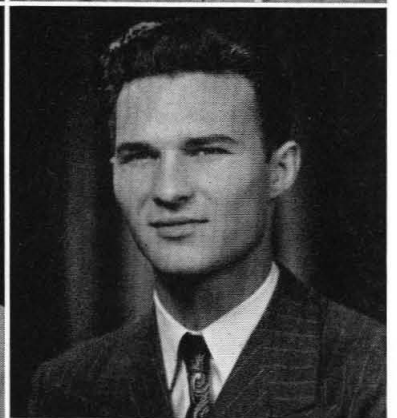
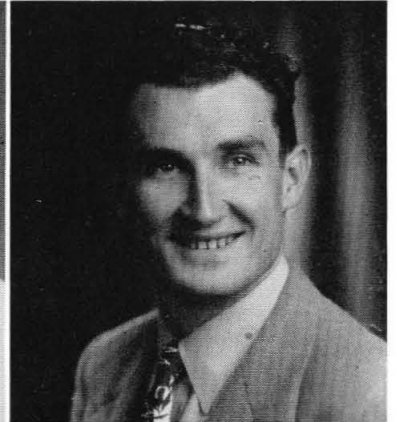
BYRNE EGGENBERGER . . . Member of Tau Beta Pi . . . was treasurer of ASCE . . . dropped from Sacramento . . . hobbies are golf and photography . . . is married and the proud father of two children.

DAVID S. HATCHER . . . A staunch member of ASCE and Throop Club . . . Hatch started at Tech in 1938 but the war held up his graduation . . . his greatest problem is keeping his car together.

R. M. KENDALL . . . Local boy from Alhambra . . . belonged to ASCE . . . hopes to be a structural engineer in the refrigeration field.

CHRESTEN M. KNUDSEN . . . Barely escaped from Redlands . . . Knude was Secretary of ASCE . . . is usually seen with red coat and blonde girl . . . uses pink magic to entertain his Fleming buddies . . . professes a deep interest in tiddy winks . . . says he plans to be a hobo.

LEVAL LUND, JR. . . . Honor certificate . . . a Hollywood man that is different—he's quiet . . . a member of ASCE, Ski Club, Throop Club . . . Blacker '43-'44 . . . Val likes football, basketball, swimming . . . collects stamps . . . future plans—highway engineer.

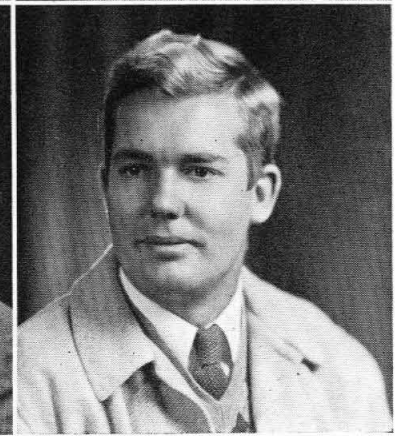
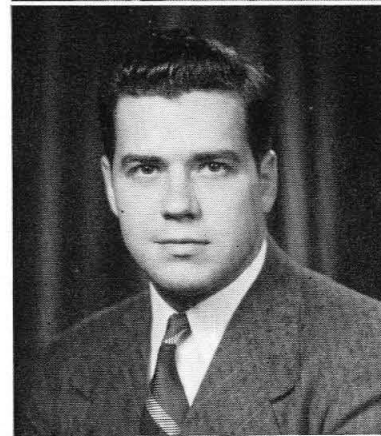
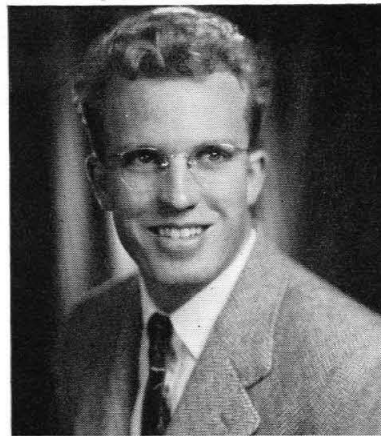


WILLIAM P. LUNDY . . . From Glendale, Oregon . . . likes all sports, received numerals in basketball and letters in track and cross-country . . . ex-Student Body Athletic Manager . . . senior representative on the Board of Control . . . member of the Varsity Club and the ASCE . . . hobby—reading.

ARTHUR E. PLATT . . . From San Diego, Calif. . . . likes fishing and photography . . . still doesn't know where he's going.

JOHN P. PRENDERGAST . . . Comes from Redlands . . . another ex-member of the class of '44 . . . Jack's main interests have been track, Blacker House, and Beer . . . his one ambition is to live in Southern California.

WILL RICHESON, JR. . . . Bill is from Glendale, California . . . member of the ASCE . . . swims and plays tennis, but prefers to do as little exercise as possible . . . wants to be a structural engineer in South America.



CAMERA SHY

LATHAM L. BRUNDRED, JR. . . . Lettered in skiing and swimming . . . belongs to ASCE and Beavers . . . Larry has been Secretary and Vice-President of Dabney and President of the Ski Club . . . he took time off in the summer term of '46 to get married.

JAMES F. CHALMERS . . . From LaJolla, graduated once as an M.E. . . . Jim is a member of ASCE and Ski Club . . . one of the married men of the class, he is the proud father of a lovely daughter who, he says, will never be allowed to date a Ricketts man.

RETURN F. MOORE . . . Handsome Ret hails from Long Beach . . . belongs to the Geology Club and ASME . . . participated in football and track in '44 . . . likes mountain climbing, fishing, and stamp collecting . . . one of the many married men in the senior class . . . worked this year on a Master's degree in Geology.



ROBERT BEARSON . . . Tau Beta Pi . . . Bob hails from Los Angeles . . . is an active member of AIEE . . . professes interest in nothing, but we know better.

ROBERT C. BELYEA . . . Smoothie Bob from Palm Springs is a Tech EE who majored in campusology at Scripps . . . Fleming House . . . AIEE . . . likes basketball, swimming, and photography . . . wants a B.S. from Tech and a better half from Scripps in June . . . plans to go East to work after graduation.



ELLIS H. BEYMER . . . Bemo hails from Orange, California . . . a member of the AIEE . . . hobbies are photography and radio . . . plays good tennis . . . ambition is to get position in the power engineering profession.

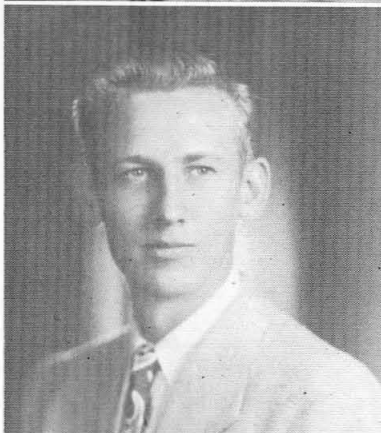
ROBERT L. BLINK . . . A quiet fellow, Bob plays a studious game of chess . . . member of AIEE . . . is married and calls Burlingame, Calif., his home . . . expects to do graduate work here or at Stanford.



CECIL A. CRAFTS . . . Known as "Cece" . . . hails from Eugene, Oregon . . . likes amateur radio . . . plans to be a big shot engineer.

C. BURTON CRUMLY . . . Tau Beta Pi vice-president . . . Board of Control . . . YMCA, IRE, AIEE, Radio Club . . . interests in swimming, tennis, bridge, and women . . . "C.B." spends his spare time designing and building electronic masterpieces and adjusting "Ermintrude" (his '31 Chevy).

RICHARD L. FELBERG . . . Dick is an orange rancher from Monrovia . . . made his letter in football as end on the 1946 team . . . tries to make the "Green Hornet" run in his spare time . . . plans to make Nan a permanent hobby this summer.



DARWIN L. FREEBAIRN . . . Dar is from Salt Lake City . . . member of AIEE . . . a clever fellow who likes to talk . . . can usually be found carrying a satchel . . . likes skiing, tennis, gardening and hypnotism.

LEWIS LEROY GRIMM . . . Honor key . . . a married Throop Club man, has been president and athletic manager of Throop Club . . . member of the Board of Control . . . Lew has played frosh and varsity basketball and manifold house sports . . . a proud papa.



ELECTRICAL ENGINEERS

WENDALL M. B. HAAS . . . says he's from Hollywood but goes to Mexico City on vacations . . . secretary of Inter-Nations Association, also belongs to ASME, SAE . . . likes airplanes, camping, airplanes, coin collecting . . . transferred from USC as a Junior . . . taught at Tech and Pomona this year . . . wants to be an aircraft engineer.

LANGDON C. HEDRICK . . . Hard-working ASCIT prexy, Lang has made two honor keys, three letters in varsity baseball . . . president of the Beavers . . . active in Varsity Club, YMCA . . . is often found in the Radio shack talking to a certain girl in Seattle . . . plans include Harvard in Fall.

JOEL M. KOWAN . . . Joe belongs to the Ski Club, Fencing Club, Musicale, IRE . . . worked on California Tech . . . plays tennis . . . takes 8mm. movies . . . took three years between Soph and Junior years via U. S. Army.

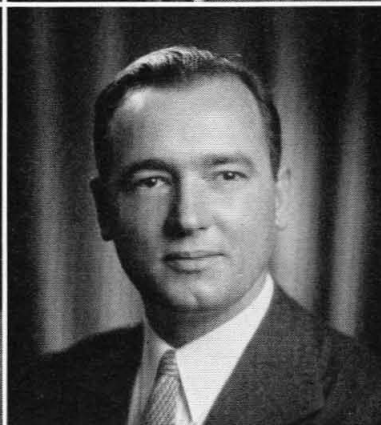
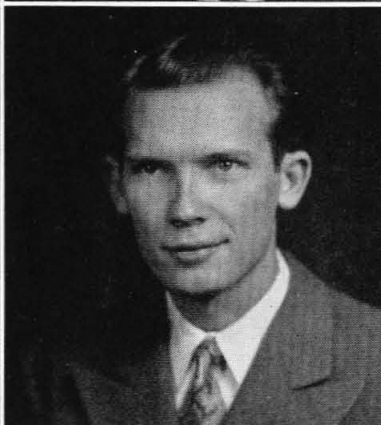
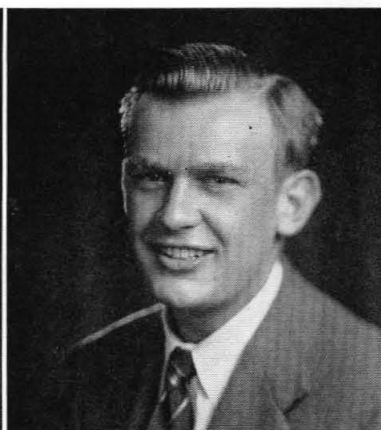
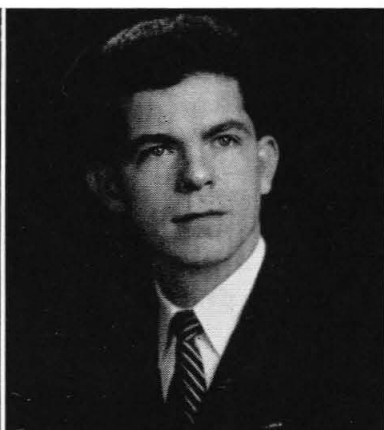
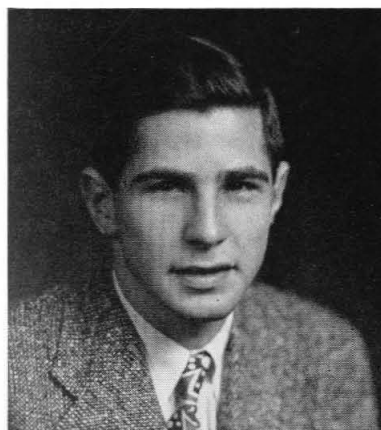
NORMAN RAY LEE . . . Norm hails from the deep south, Louisiana, that is . . . made honor key this year as ASCIT vice-president, chairman of Board of Control . . . on Court of Traditions . . . sparkplug of the championship 1944 football squad, now a three-year letterman . . . active in Varsity Club, Fleming House.

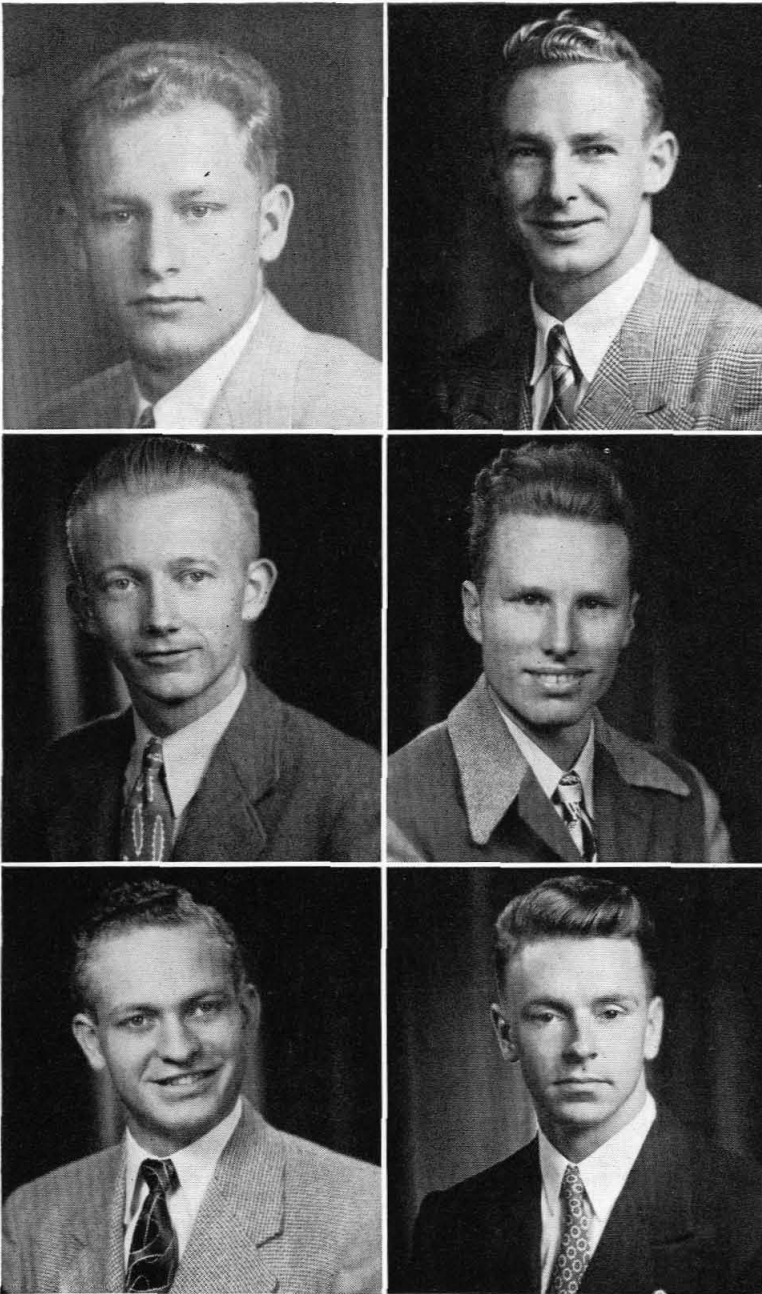
MERWIN E. HODGES . . . Tau Beta Pi, AIEE, Throop Club member from Eagle Rock . . . on the staff of the California Tech . . . YMCA officer, Tau Beta Pi secretary . . . likes to play pipe organ . . . wants to do EE research.

JOHN D. HOLMGREN . . . A local boy from Pasadena . . . Johnny is a member of the tennis team and the debating team . . . likes piano, reading, and stamps.

GORDON McCLURE . . . From Phoenix, Arizona . . . a member of IRE and Throop Club . . . played football in 1942-43 . . . his interests are chiefly in his wife and home . . . plans to obtain a master's degree in Business Administration.

CHARLES N. MILLER . . . Chuck was a Junior in '39, senior in '47—finally made it . . . belongs to Drama Club, Beavers . . . ASB Rep-at-large in early years . . . AIEE . . . played frosh baseball . . . hails from San Diego.





ALBERT H. J. MUELLER . . . Tau Beta Pi, Ski Club, IRE . . . an active Blacker man, Al skis, plays tennis and bridge . . . an opponent of 8:00 classes and an expert at dozing during lectures . . . plans to do grad work at Stanford.

LUCIEN ARTHUR PASCOE . . . Smiling swimmer from Oceanside . . . Lu likes skiing, is a member of the Ski Club . . . Throop Club . . . interested in photography . . . plans to be an engineer for So. Cal. Telephone.

CARL RASMUSSEN . . . Tau Beta Pi in senior year . . . another one of the older men in his class . . . studies all the time . . . interested in photography . . . went straight through in three years.

JOHN C. RIEDEL . . . Otherwise known as Jack . . . hometown boy from Altadena . . . hobbies are radio and photography . . . plans to do graduate work at Tech.

HERBERT N. ROYDEN . . . Ski Club, IRE . . . Herbie swims, skis, plays basketball . . . a bridge expert and exponent of the "Cho" bid . . . enjoys classical music and plays the piano.

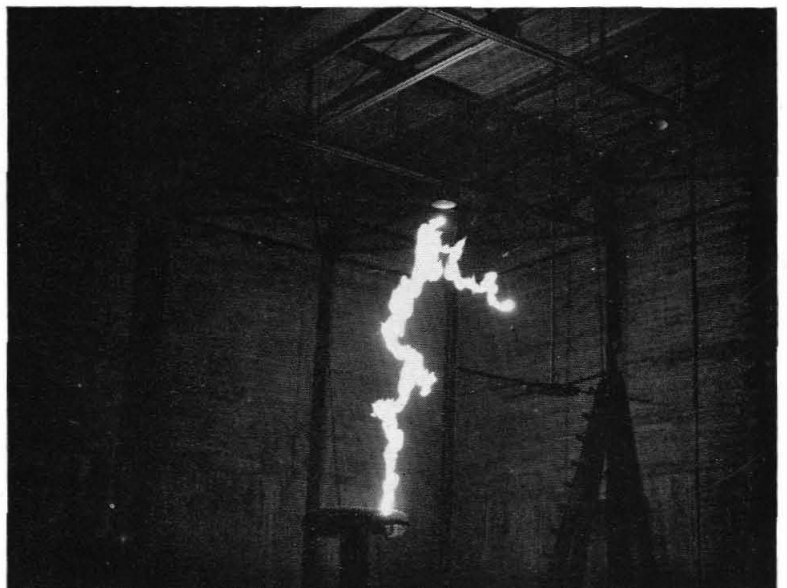
HENRY WILLIAM SCHROEDER . . . From Prescott, Arizona, transferred from University of Arizona in '43 . . . likes swimming, baseball, and track . . . flute playing and portrait sketching (of girls, of course) occupy his spare moments . . . Scripps holds considerable attraction for Hank.

CAMERA SHY

ORDWAY T. MANNING . . . Football player, made his letter in 1946 . . . motorcycle enthusiast . . . Ordway's big smile is a permanent feature . . . intends to enter Civil Service.

JOHN P. TERRY . . . Tau Beta Pi, Throop Club, Chairman of the Joint Branch of AIEE-IRE . . . Jack hails from Trenton, N. J. . . . attended Rutgers as a lower classman . . . participates in inter-house sports . . . spare time (?) Mrs. Terry . . . plans to work with electrical power systems.

ROBERT WENICK . . . Comes from Los Angeles . . . transferred into Tech in '46 from the University of Michigan . . . pet hate—hydraulics . . . wants to expose Newton as a charlatan.



KENNETH MELVILLE SHAUER . . . Dabney man from Pelham, New York . . . star trackman '44, '45 and '47, holds several school records, and the conference record in the 440 . . . is usually found at the bridge table or listening to classical records . . . AIEE . . . aspires to UCLA for grad work.

DONALD STEWART . . . A licensed ham, call letters W6VTA . . . Stew leaves Tech early every day to dash home to his wife in Van Nuys . . . hopes to raise a family.

ROGER D. STUCK . . . Easy going motorcycle fiend from Santa Paula . . . Rog has lived in three of the student houses . . . played volleyball for Fleming . . . "It took six years, but I made it."

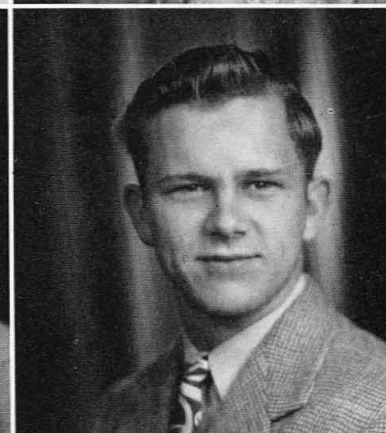
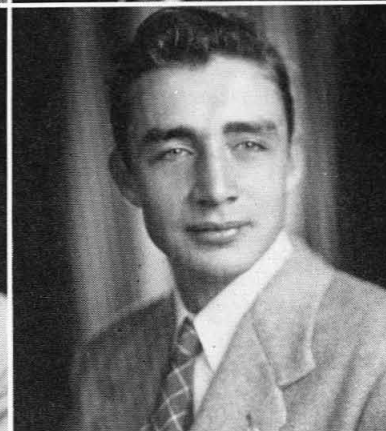
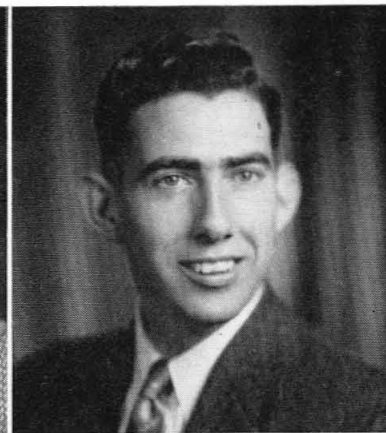
RICHARD GORDON SWEET . . . IRE, Radio Club . . . always found in Dabney lounge playing bridge or among piles of surplus radio junk in his room . . . Dick spends week-ends working on a fishing boat . . . his one ambition is to have a boat of his own some day.

RAYMOND B. TASKER . . . A son of sunny California . . . affiliated with Tau Beta Pi, AIEE, formerly a Throop Clubber and later a Fleming man . . . earned varsity letter in track and likes all sports . . . hobbies include all things from brick-laying to trick electrical circuits . . . will do radar engineering.

ARTHUR F. VIEWIG . . . Chess Club, Varsity Club, Glee Club . . . received Fleming House Purity Trophy . . . Smiling Art made his letter in baseball, converter par excellence for the football team . . . active in inter-house sports . . . ex-president of Fleming House.

ALLEN D. WEEKS . . . A Throop Club regular from Alhambra . . . likes music and church work . . . ex-member of Musicale . . . ASME . . . graduated as an M.E. in '43, but has finally seen the light.

EDWARD B. WINTERS . . . From the Redlands dominated territory of San Berdu . . . two-year letterman as quarterback on the football team . . . Varsity Club and AIEE . . . has his eye on Westinghouse or G.E. . . . Ed gave up females and USC to come to Tech.

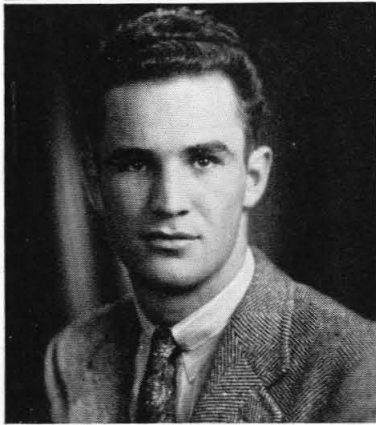


ELECTRICAL ENGINEERS



JOHN J. ATTIAS . . . J. J. is from New York City . . . vice-president of Blacker House . . . member of the SAE and ASME . . . likes a good bull session . . . feels that exams are VERY undesirable . . . thinks that sex is here to stay.

WILLIAM BELLEW . . . UCC in Dabney House . . . finds drawing and painting are his big interests outside of becoming a top M.E. . . . Bill is well known for his enormous appetite.



GLENN A. CHAFFEE . . . one of the local boys, Alhambra. that is . . . Glenn is the other half of the Demuth-Chaffee couplet . . . amazed everyone by developing into a triple-threat halfback during his first year of football . . . SAE, football and—oh, yes—Mrs. Chaffee manage to occupy Glenn's spare moments.

HAROLD COMLOSSY . . . known as Handsome Hal to the UCLA co-eds . . . he is Blacker's gift to the women . . . laziest man on the campus—second year as senior . . . versatile track man . . . an ardent football fan.

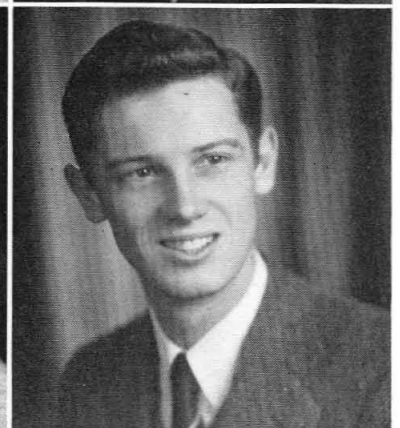
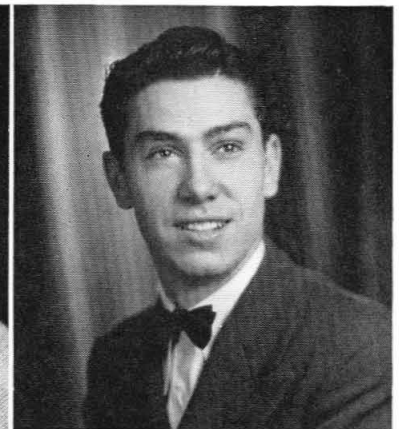
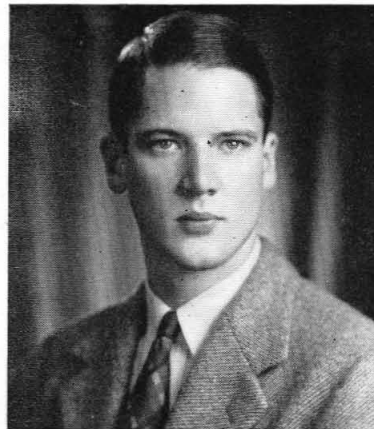
MECHANICAL ENGINEERS

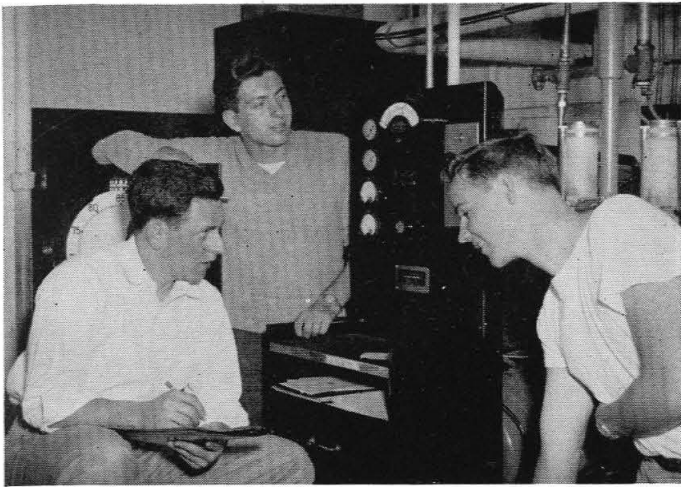
PHILIP RUSSELL CONRATH . . . Secretary to the ASME student branch . . . insists he is a victimized transfer student from Washington University, St. Louis, Mo. . . . plans to graduate from Tech in March, 1948.

EDWIN J. COWAN . . . President of the Fencing Club, ex-V-12 . . . Ed's room is proving ground for Scull's bombs . . . intends to continue at Tech in graduate work in industrial design.

JACK DEMUTH . . . Hails from Portland, Oregon . . . member of SAE . . . got his Atlas physique by lifting weights . . . keeps in shape by playing basketball and softball . . . can be seen walking through the campus flanked by a briefcase on the left and Chaffee on the right . . . is continually repairing his old jalopy . . . "I have to take my wife shopping."

RODNEY O. DARLING . . . Cheri comes from Victoria, B. C. . . . speaks French whenever he can find someone who will listen to him . . . member of the Internations Association . . . likes sailing, golf, and classical music . . . a model airplane fiend . . . wants to travel and see the world.





WESLEY DYNES . . . One of the glamour boys from Hollywood . . . member of the ASME and SAE . . . likes track and cross-country in his more ambitious moments . . . Weasel was elected Pope of Blacker House . . . plans to continue in administrative work (?) after graduation.

MANFRED EIMER . . . Fred entered Tech in 1942 . . . lettered in swimming and water polo and conference honorable mention in water polo . . . was Throop Club V-P in '44 . . . Treasurer of the senior class . . . has yet to miss a dance at Dabney House . . . hopes to continue at Tech in aeronautical engineering next year.

JACK EDWARD FROELICH . . . From Burbank, California . . . in Who's Who in American Colleges and Universities . . . ex-yell leader . . . has been both vice-president and president of Throop Club . . . enthusiastic baseball player and bridge pro . . . likes to build models.

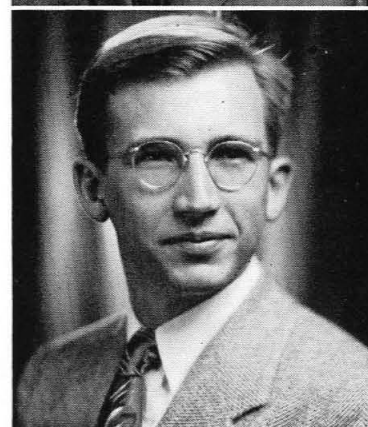
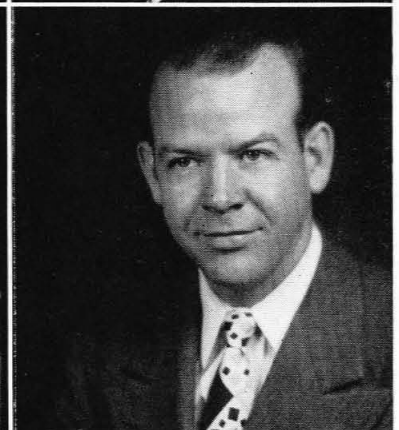
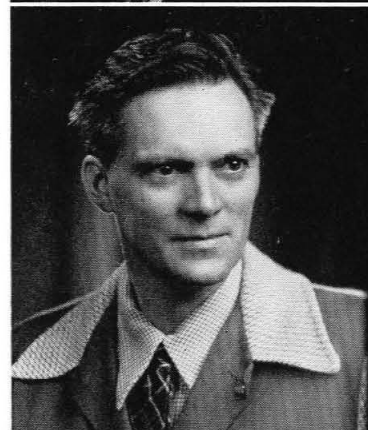
WILLIAM GIACOMAZZI . . . Bill, the Dabney bartender, former member of class of '43, took a turn as engineer in the AAF . . . managed swimming and water polo teams . . . Beaver, professes interest in skiing, flying, beach, beer (he's got the build for it) . . . plans to work in a San Jose refrigerator.

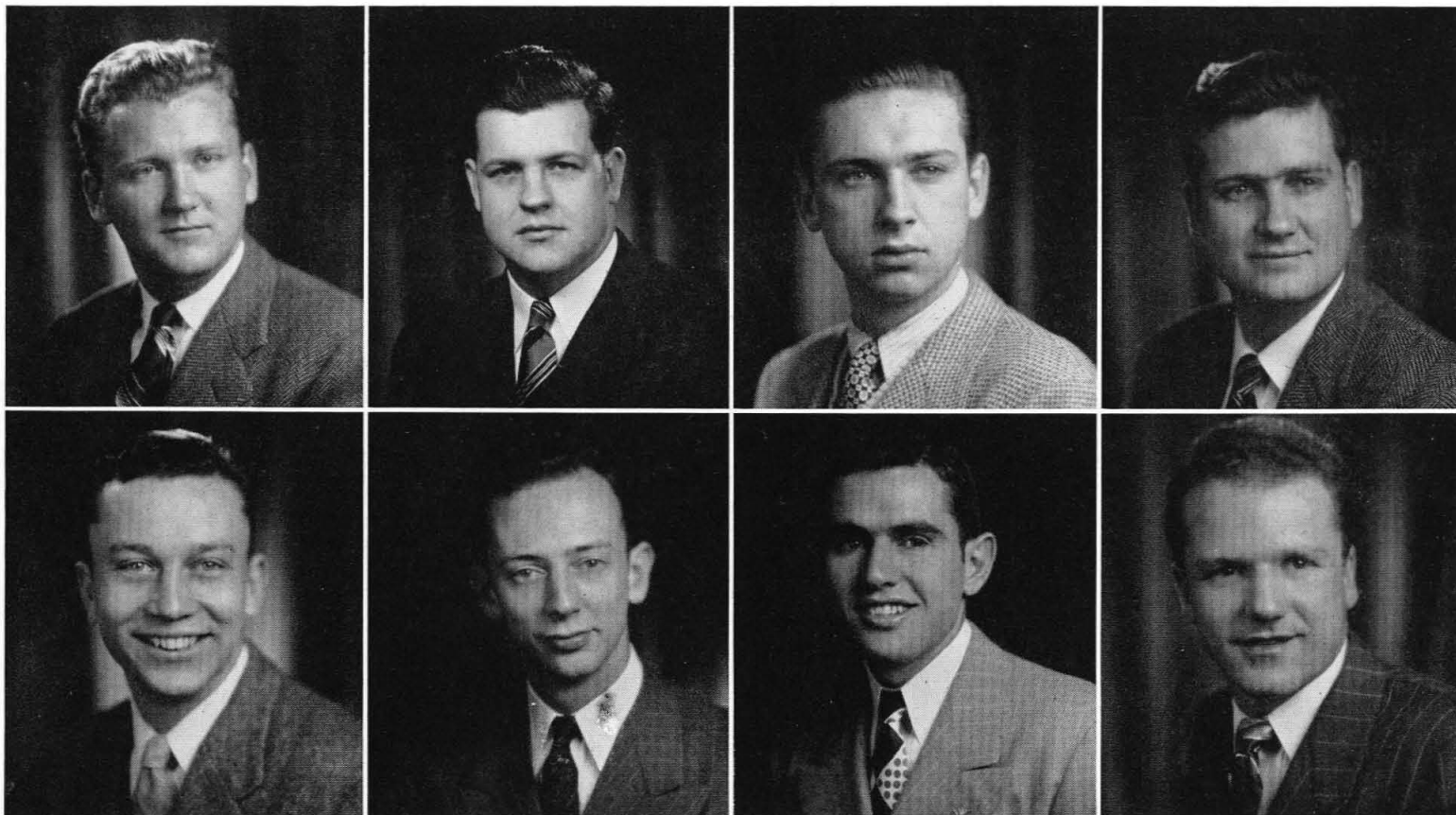
WALTER JOHN HAMMING . . . From the Windy City—Chicago . . . transferred from Illinois Institute of Technology in 1946 . . . likes fencing.

HARRY H. HAUGER, JR. . . . Bud is a member of the ASME . . . likes bowling, ice skating, tinkering, and models . . . took a two-year vacation in the AAF . . . his ambition is to head a happy family.

ROBERT G. HAWTHORNE . . . Member of Tau Beta Pi and author of a certain reeking M.E. exam in connection with this organization . . . comes from Santa Monica . . . loyal brother of Throop Club and SAE . . . gave all to sailing team in 1946 . . . likes boats and workshops.

HAROLD M. HIPSH . . . Tau Beta Pi man from Dabney . . . ex-class of '44 . . . is a former member of the band and SAE . . . his hobby is private flying . . . Hal, who is now married, hopes to own a Tandem Otto Cycle.





KENNETH F. HOLTBY . . . A Fleming old-timer . . . started at Tech in 1940 with three years time out for the Navy . . . Ken is a tennis letterman and Varsity Club man . . . likes swimming and skiing, too . . . a family man.

HENRY G. KOHLER . . . Arrived at Tech from Salzburg, Austria, via Mexico City . . . is a member of the Ski Club, SAE, Glee Club and Big T staff . . . plans to make his fortune soon and retire to a South Sea island.

C. DEAN JOHNSON, JR. . . . From Portland, Oregon . . . Dean is president of Fleming House . . . member of the Beavers . . . worked on '44-'45 Big T as co-editor, co-business manager, photographer, and flunkie . . . likes to meet and watch people . . . enjoys spending time and money on photography . . . plans to go to business school or do graduate work.

JAMES F. LANE . . . Tex's home-town is Alhambra . . . Throop Club pledgemaster in '42 and '46 . . . can be seen at all hours of the day around the bridge table in Throop Club . . . photography is his favorite pastime . . . is not ambitious.

RODIN LESOVSKY . . . Ex-Navy fly-boy . . . ASME . . . obviously a local boy from the way he drives a car . . . likes to travel . . . played football this year.

GEORGE W. LYON . . . Honor key '47 . . . Texan that the Navy brought west . . . two-year letterman football . . . Varsity Club . . . plays baseball . . . Tex is sports editor for the Big T '47 . . . a member of Fleming . . . plans to return to Texas with a certain blonde.

HOWARD KIRK LEWIS, JR. . . . Tau Beta Pi . . . ex-class of '44, comes from Honolulu . . . lettered in basketball and received numerals in swimming . . . Fleming House knows him as co-athletic manager, Pope Tripod III and 3rd assistant head waiter.

ROBERT S. MacALISTER, JR. . . . Mac is from Los Angeles . . . member of the SAE . . . likes the more rugged sports—golf and bowling . . . dabbles in engine construction . . . wants to head a happy family.

MECHANICAL ENGINEERS

DOUGLAS J. MacLEAN . . . Member of Tau Beta Pi and president of the Varsity Club . . . received the Wheaton Football Trophy Award (1946) . . . co-captained the football team, and lettered in track . . . from the City of the Angels . . . one of the most active men on campus . . . on week-ends Mac can usually be found at Scripps.

WARREN M. MARSHALL . . . Member of Tau Beta Pi and Varsity Club . . . from the state of the Rambling Wrecks . . . ex-member of the Student Faculty Relations Committee . . . likes football and track . . . builds model airplanes . . . Windy is looking for a wife.

ROB ROY McDONALD . . . Honor key . . . ASB prexy in '45-'46 . . . Beaver . . . Who's Who Among Students . . . letterman in skiing, president of the Ski Club . . . member of Throop Club and then Dabney . . . a home in Sun Valley might explain his big ambition to ski in Switzerland in the winter and Chili in the summer—with Sun Valley in between.

STEPHEN F. MORAN . . . Hails from Long Beach . . . his present hobby is hiding from the senior editor . . . wants to graduate from Tech and be a mechanical engineer . . . does not like to fill out questionnaires.

FRANKLIN O. MYERS . . . From Eugene, Oregon . . . transferred from Oregon State . . . likes to relax by listening to classical or semi-classical music . . . when exercise becomes necessary, Frank drags himself to a tennis court.

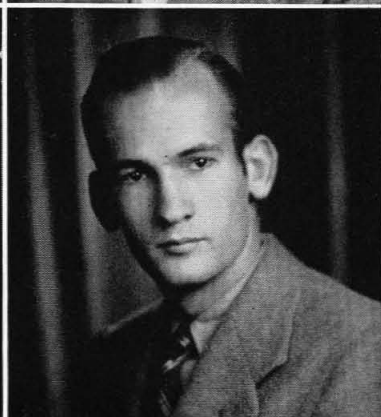
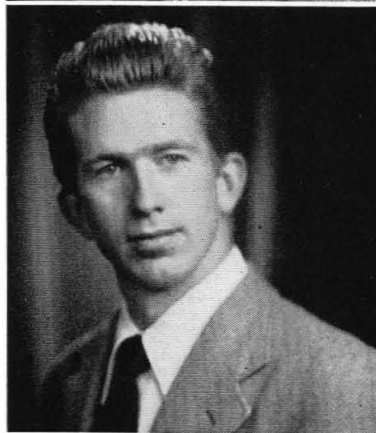
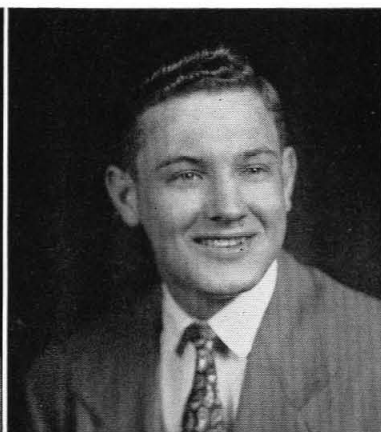
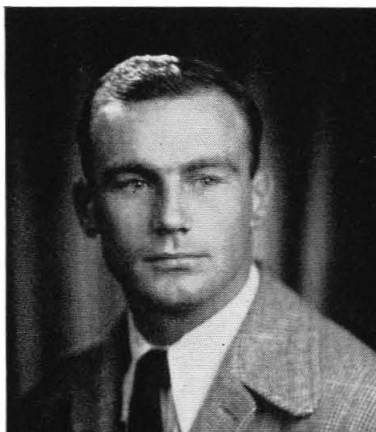
BLAINE R. PARKIN . . . Ex-class of '44, left school for the AAF in '42 . . . belonged to Dabney from '40 to '42 and is now a member of Throop Club . . . Blaine is married . . . he wants a position, not a job.

EUGENE S. ROSE, JR. . . . Tau Beta Pi . . . Genial Gene is from Vicksburg, Mississippi . . . member of SAE . . . spends his spare time fishing and building model airplanes.

JOSE ROSENER . . . Honor key . . . entered Tech in 1940 . . . played frosh and varsity football, swimming . . . letter in water polo . . . Ricketts House president this year . . . Junior class president and Senior class V-P . . . ambition, beachcombing.

WILLEM SCHAAFSMA . . . Ex-class of '44 . . . hails from Honolulu . . . Will holds frosh numerals and varsity letters in swimming . . . Fleming's first assistant head waiter . . . is a member of the Varsity Club, Skip Inn A.C. and the Fleming College of Cardinals.

JOHN R. SCULL . . . Big T photographer, swim team . . . a swimming and diving enthusiast . . . "J.R." made his letter in swimming and also likes photography and women . . . manufacturer of bombs, rockets, and explosions . . . intends to continue in graduate aeronautics.





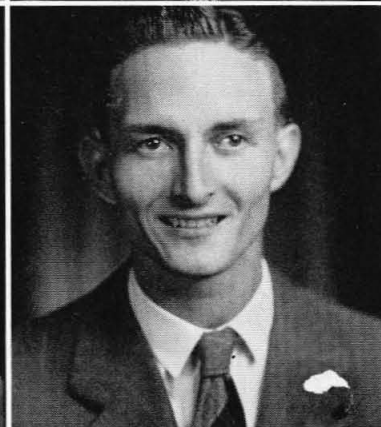
CARTER SINCLAIR . . . The hard-working secretary of Tau Beta Pi . . . also secretary of SAE . . . a local boy from Pasadena, belongs to Throop Club . . . made three years in the Army part of his education . . . spends spare time (?) tinkering with that old Oldsmobile . . . plans to sign over to G.E.

GEORGE SHIPWAY . . . His home town is Sierra Madre . . . another photography fiend . . . his main ambition is to retire—now.



LYLE D. SIX . . . Member of Tau Beta Pi . . . local talent . . . ex-member of the Ski Club, likes skiing and tennis . . . interrupted school in 1943 for a 3½ year stretch as an Army weather man . . . hobby is photography.

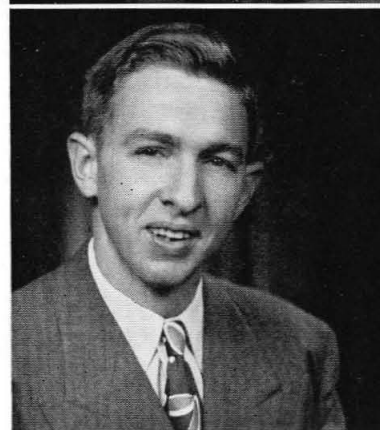
JAMES STEWART SMITH . . . Jungle Jim entered Tech in 1940 . . . honor key in soph year . . . worked on both the California Tech and the Big T . . . earned varsity letters in football, track, and soccer . . . was V-P of his Junior class and has been in the Beavers, Varsity Club, and Press Club . . . a Ricketts elder statesman.



STANFORD G. STILES . . . Tau Beta Pi . . . Stan is a Whittier man who wised up . . . lives in Blacker House . . . only track man who can jump two feet over his head.

CLAYTON ROBERT STURDEVANT . . . Tau Beta Pi and ASME . . . Clayt is Pasadena's own . . . likes water (to swim in), lettered in water polo and swimming . . . interrupted school in '42 to do research work for Douglas Aircraft, a stretch in the U. S. Navy, and get married.

FRANCIS DUANE SULLIVAN . . . "Sully" has received awards in baseball and football and belongs to the Varsity Club . . . he hunts, fishes, plays golf . . . the persistent type who gets what he is after.



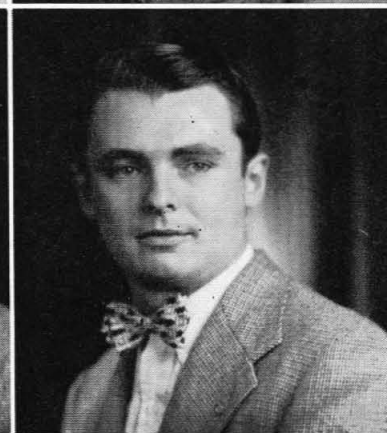
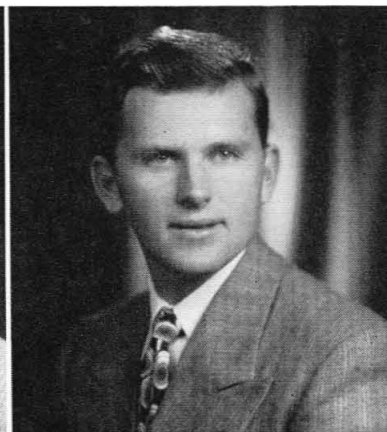
ROBER H. UTSCHIG . . . Tau Beta Pi . . . Bob likes music and photography . . . was a member of the band . . . an advocate of the illustrated super lab report . . . will continue in graduate aeronautics.

DAVID VAN DEERLIN . . . Comes from La Canada . . . Dave is a member of the Chem Club, ASME, and the select group of waiters in Dabney House . . . says he can break the Second Law of Thermodynamics.

ROBERT LAWRENCE WALKER . . . Tau Beta Pi . . . Bob hails from San Pedro . . . member of school band from '43 to '45 . . . member of SAE . . . likes to spend his spare time listening to good music . . . future plans—work (sob).

JERARD B. WERNER . . . A native Californian . . . one of the youngest men in the class . . . student chairman of the SAE and ASME . . . member of the CES Governing Board . . . whenever he can't find anything better to do, he likes to play bridge and collect things . . . wants to do BIG things and be a BIG wheel.

JAMES S. WIGGS . . . Jim is from San Dimas, California . . . member of Fleming House as frosh and soph . . . played frosh and varsity football . . . interrupted school in 1942 . . . returned to school in '46 as a married man and turned into a snake.



MECHANICAL ENGINEERS

CAMERA SHY

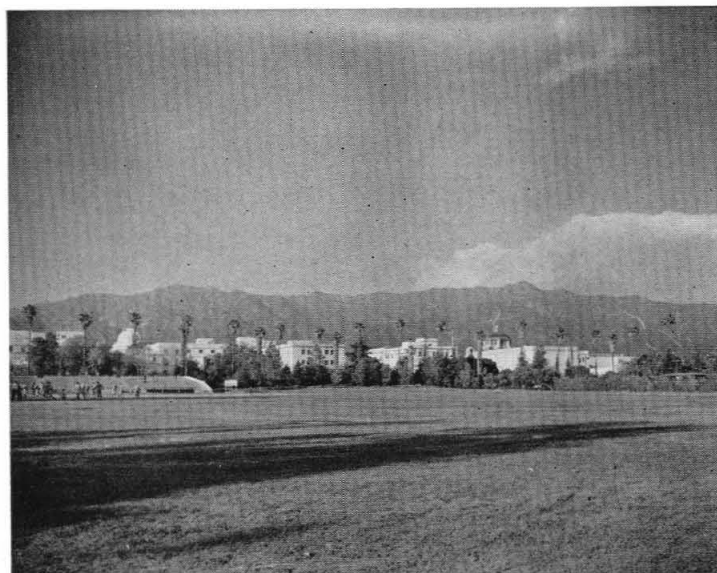
RICHARD BARNA . . . Dick is one of Tech's married men . . . transferred here from PJC as a soph in the V-12 . . . besides golf, his hobbies are his wife and child . . . his plans are to take it easy and enjoy life.

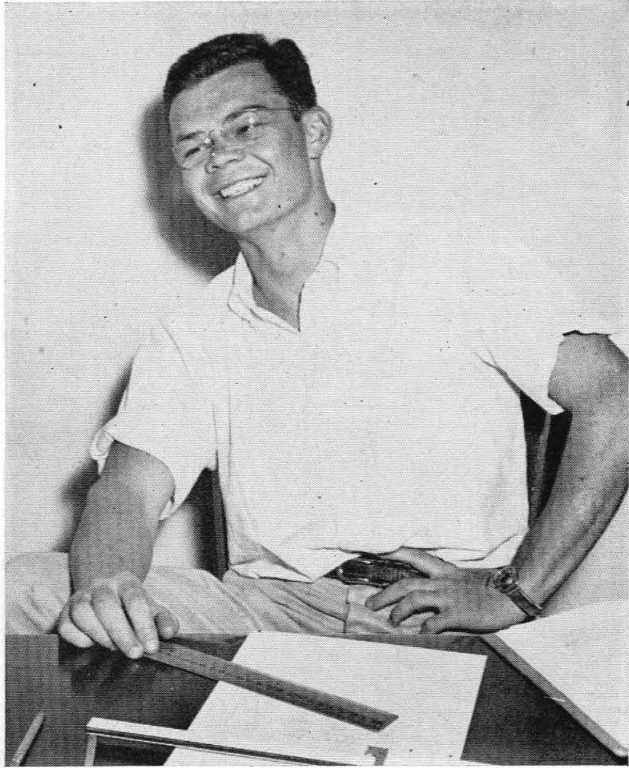
ARTHUR S. BOLLES . . . Better known as Snuffy, he hails from La Habra, California . . . has received awards in frosh basketball, swimming, and water polo.

GRAHAM A. HORINE . . . Hoze hails from Whittier . . . likes to spend his spare time collecting records . . . wants to become an outstanding mechanical engineer.

LLOYD F. MAULDIN . . . From Los Angeles . . . transferred from UCLA in 1946 . . . likes flying . . . UCLA still holds a considerable attraction for Lloyd.

EDWARD W. MILLER . . . Ed came to Tech from Westwood . . . always seen with two brunettes at basketball games . . . whiz JV basketball forward . . . is a member of ASME and Ricketts House.





Burrows

JUNIOR

This year was a particularly unusual one for the juniors. It began with the class consisting of a mixture of students continuing on from their sophomore year and veterans returning from pre-war years and busily renewing acquaintances with many old friends. Despite this disorganized beginning, the class was soon functioning smoothly, and as its first activity conducted the traditional Frosh-Soph mud brawl on Rodeo Day. As usual, regardless of who won the contest, the junior judges lost in a shower of mud.

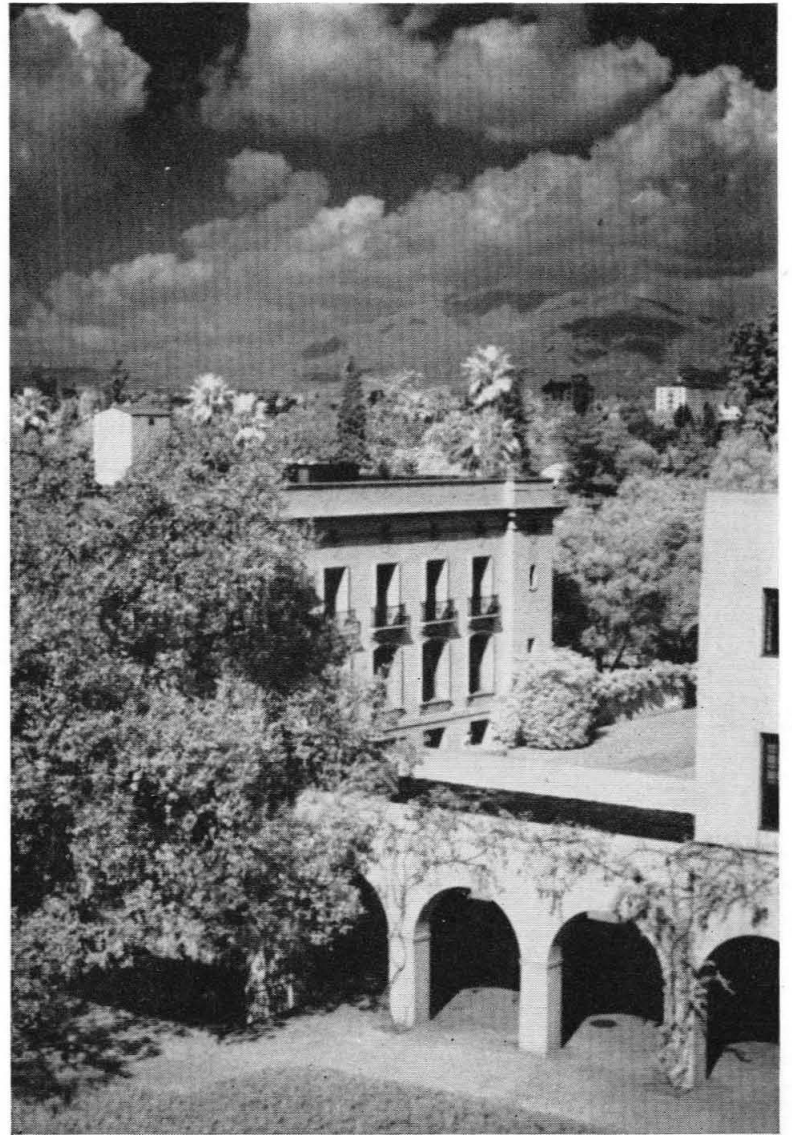
The class was an unusually well rounded one, having members participating in every phase of campus activities including athletics, student government, and the publications.

The year seemed to go very rapidly as the members accustomed themselves to each other and became adjusted to post-war life at Tech.

The climax will be the Junior-Senior Prom on Friday, June 13th at the elite and romantic Altadena Recreation Club. The date should have no detrimental effect on the enjoyment of those attending.

Officers for the year were Sage Burrows, President; Harold Baugh, Vice-President; Bud Mittenthal, Secretary; and Steve Morrison, Treasurer.

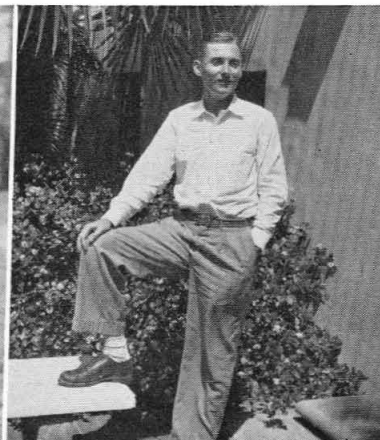
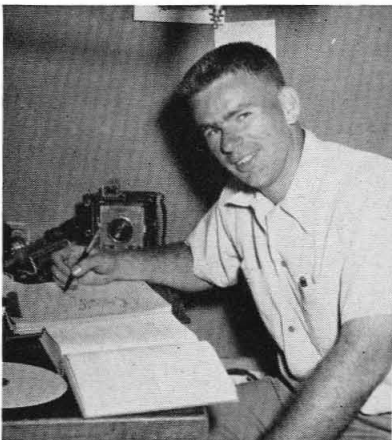




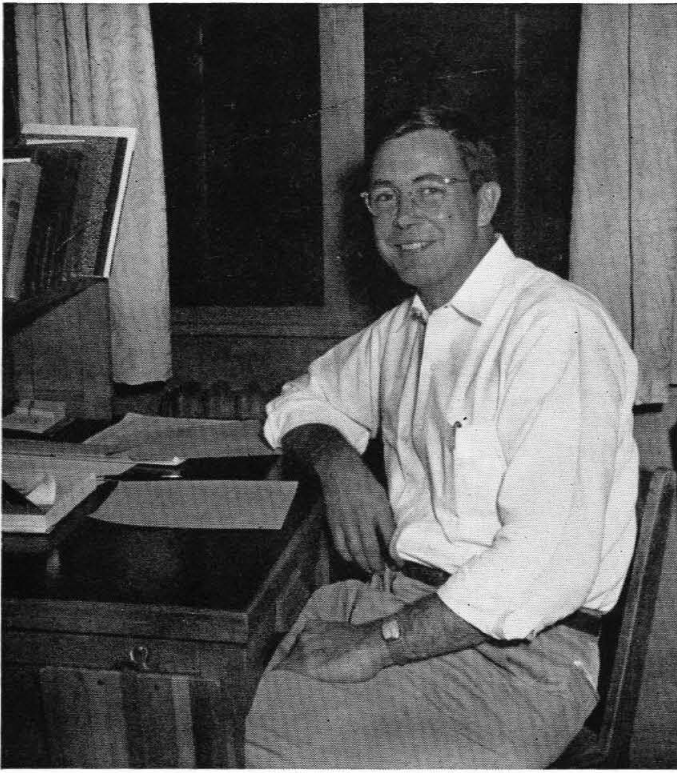
Baugh

Mittenthal

Morrison



CLASS



Browne

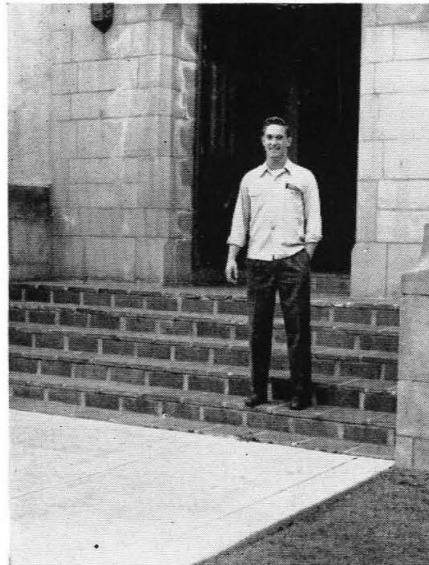
The ranks of those brave souls who entered in March of 1946 and sweated and toiled in the vineyards during the summer were more than doubled in October, forming the largest class ever enrolled in Tech. When the smoke of battle cleared from the Registrar's office on October 8, and the bodies were counted, over two hundred and sixty stalwart men and true formed under the banner of '49 and challenged the Institute to do its worst.

The starting was hesitant, but the machine accumulated steam enough to organize for the annual Mudeo battle with the Frosh. Led by husky President Dave Browne, the Soph crew slopped around in the mud with skill and courage, roundly trouncing the men of '50.

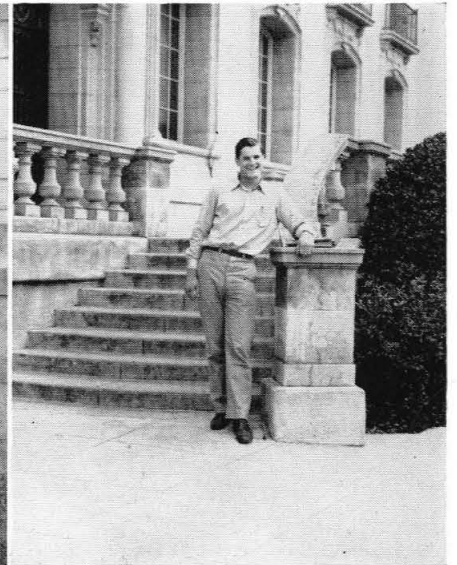
As a result of this victory, the traditional Frosh-Soph dance held in Dabney Lounge was sponsored by the losing Freshmen, and Soph Vice-President Chuck Forester, Secretary Don Hibbard, and Treasurer Bob Walquist were spared much labor and worry.

Enthusiastic in every phase of campus activity, the Forty-Niners are only getting started. The next two years should prove them leaders in returning Tech undergraduate spirit to the pre-war level.

Hibbard

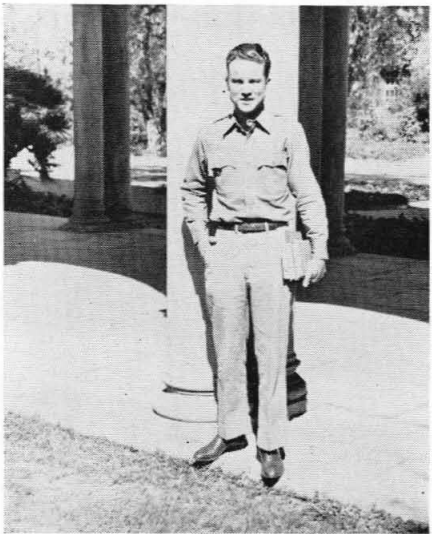
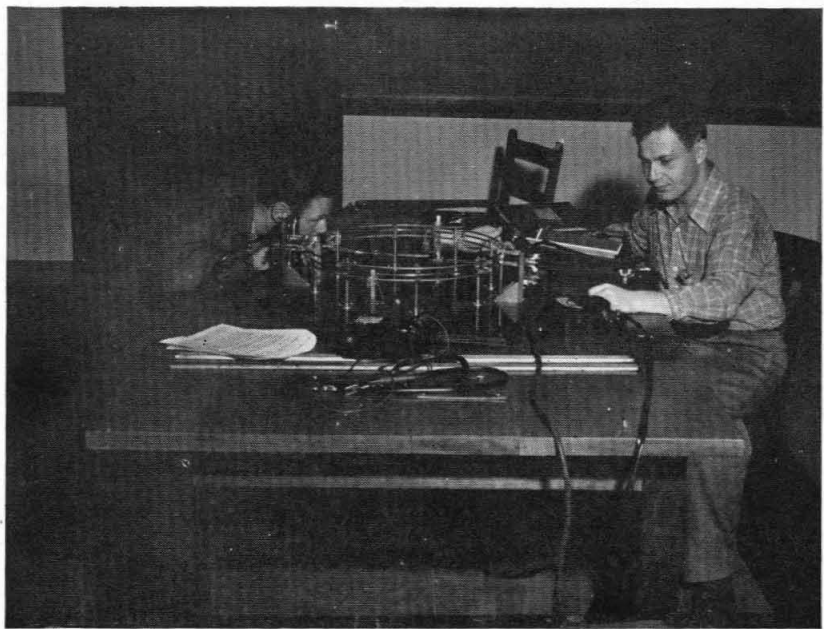


Walquist



SOPHOMORE

CLASS



Forrester



FROSH



The class of '50 is, in several respects, unique in the history of the Institute. The largest Freshman class ever to enter Tech, the present frosh group could probably also qualify as the most mature, since seventy per cent of the freshmen are veterans.

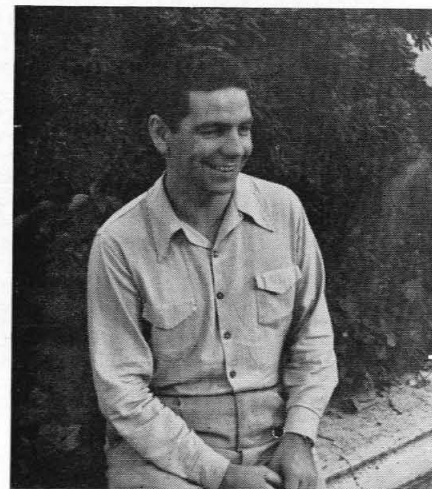
At frosh camp, revived for the first time since before the war, the new class became acquainted with Tech traditions and activities. In their zealous defense of the bonfire against the Oxy raiders, the freshmen gave evidence of their enthusiastic support of the program of re-establishing neglected traditions.

A highlight on the first term social calendar was the Frosh-Soph dance, sponsored by the freshmen after their losing battle in the annual Rodeo.

Eligible for varsity competition, many freshmen won letters in the various sports. Other frosh took an active role in student publications and organizations.

Class Chairman Dave Warren directed activities until the election of class officers, at the beginning of the second term. Newly elected were Ralph Lovberg, President; Bill Cox, Vice-President; Bill Culbertson, Secretary; Carl Fox, Treasurer; Chuck Norman, Athletic Manager; Bill Bradley, Publicity Manager; and Bill Haefliger and Dave Warren, Board of Control.

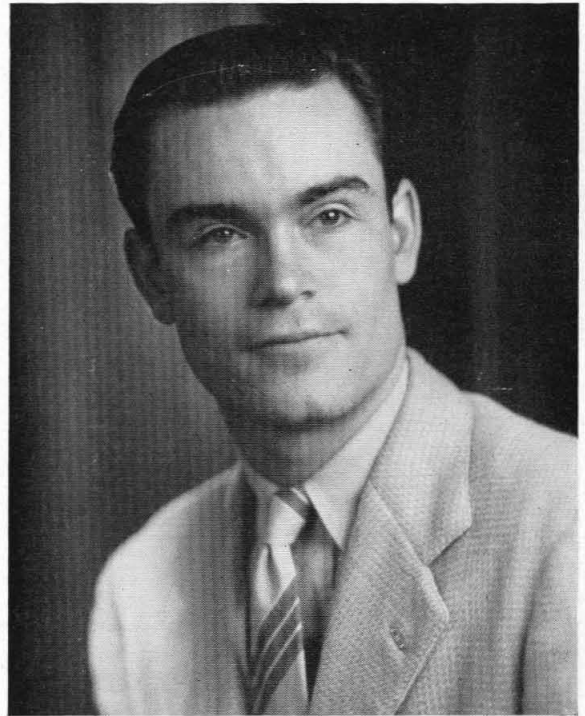
Culbertson





Loveberg

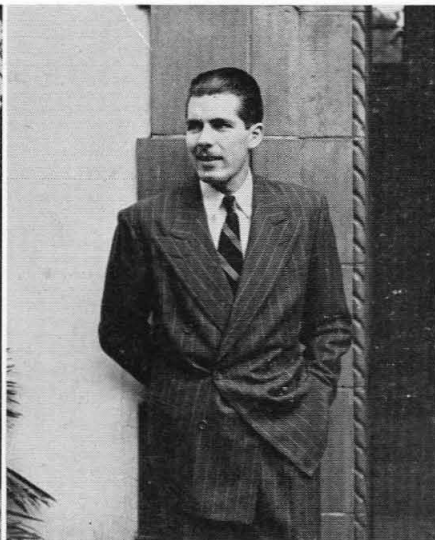
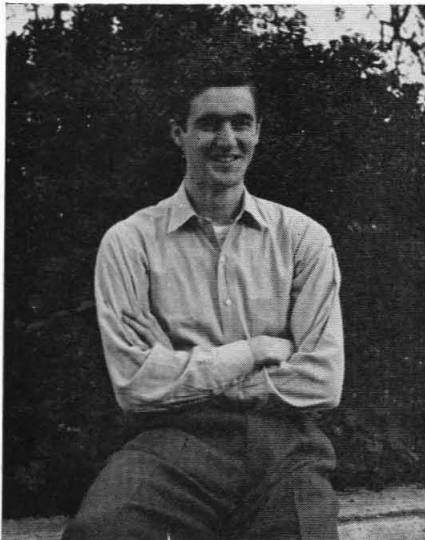
Warren



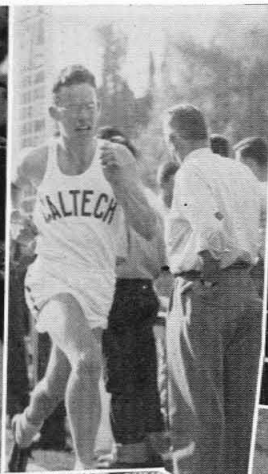
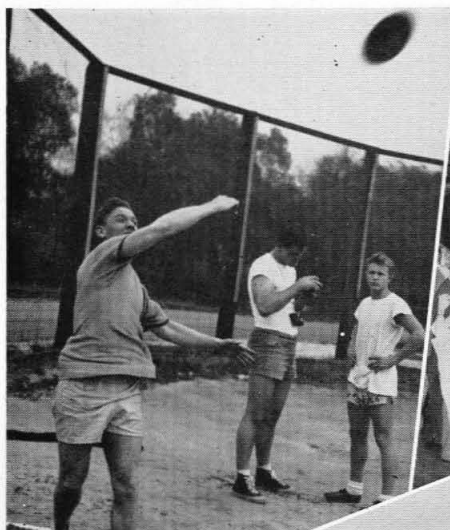
Cox

Fox

Bradley



CLASS





ACTIVITIES



LANGDON C. HEDRICK, PRESIDENT



BOARD OF DIRECTORS:



Bob Barraclough, First Representative; Don Brown, Second Representative; Dick Alexander, Treasurer; Norm Lee, Vice-President; Lang Hedrick, President; Paul Saltman, Athletic Manager; Frank Wolf, Rally Commissioner; Bruce Worcester, Secretary; Hugh Carter, Publicity Manager.

ASCIT

THE ASSOCIATED STUDENTS OF THE BOARD of DIRECTORS

With Langdon C. Hedrick as president and eight able assistants, this year's Board of Directors accomplished a Herculean task. It was not reactivation that was so necessary, rather it was revitalization. The range of the Board's interests ran the gamut of all student activities. The publications, the social life, the frosh camp, the Court of Traditions, the Honor System all owe, in a large part, their resurgent spirit to the unceasing ministrations of the Board.

This impressive list may long last as a reminder to all that our Board of Directors did a difficult job and did it well.

BOARD of CONTROL



Left to right, first row: Heath, Funk, Lee, Hedrick. Second row: Worcester, Warren, Roskowski, Crumly, Haefliger, Lundy.

Most vital of all Tech's traditions, the Honor System is responsible for our examinations without proctors and an honesty in all phases of student life which is paralleled in very few colleges. Instrument for enforcement of the system is the Board of Control, which judges violations. It is a credit to the men of Tech that there were no trials before the Board this year. Praise is also due the Board itself in this connection for the prominent publicity which it gave to the Honor System in pamphlets and in the California Tech. Norm Lee, as ASCIT Vice-President, was the Board's able and hard-working Chairman.

CALIFORNIA INSTITUTE OF TECHNOLOGY



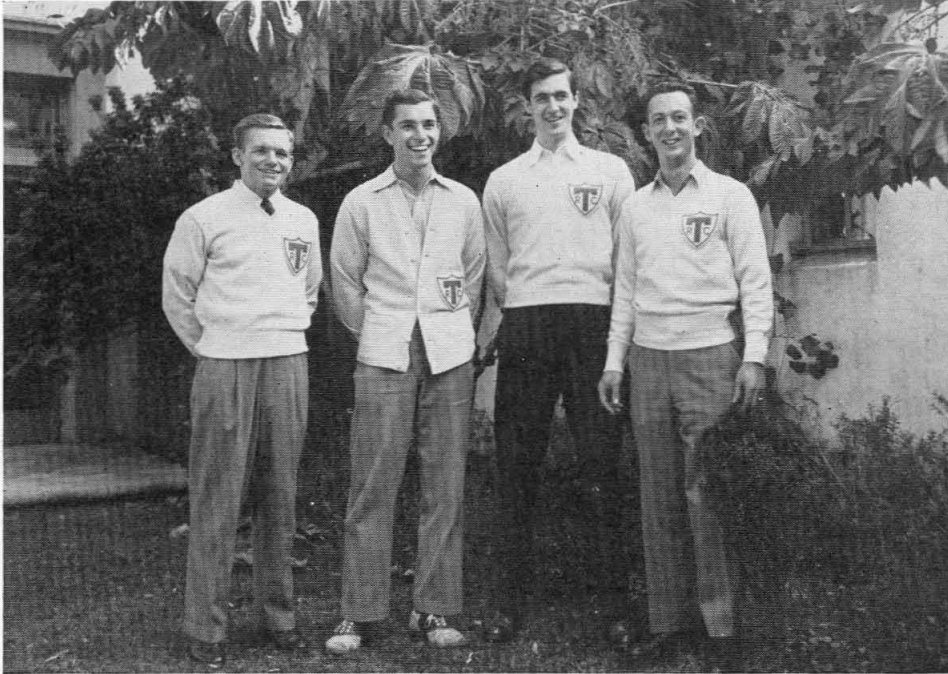
Left to right, first row: Warren, Lee, Wolf. Second row: D. Long, Granicher, Pilling.

COURT of TRADITIONS

The Court of Traditions, revived this Spring after a wartime hibernation, has had a difficult task of reorganization. Despite the absence of past records to guide its actions, Norm Lee has molded the Court into a working unit. Alive again are the traditions of the Bench under the Senior Oak between Dabney and Gates on which only seniors may rest their aching limbs, of the impropriety of underclassmen wearing corduroy, of the wood-gathering abilities of freshmen before the Pajamarino, and of the frosh guard of honor for the Ancient and Honorable Beaver.

For those individuals disrespectful of these revered customs, the Court has an ever-growing list of constructive work to be done for the student body.

RALLY



Left to right: Hickey, Wolf, Cox, and Baron.

The Rally Committee, over which Frank Wolf presided this year, arranges all Friday assemblies and pre-game rallies, including the annual Pajamarino. This year's Pajamarino featured a dinner in Tournament Park and a parade to the State Theatre where the Highlighters from PJC presented a show. The most popular of the Friday assemblies came during the second term when Ray Bauduc appeared with his jazz combo.

COMMITTEES

INTERHOUSE



The Interhouse Committee, composed of the presidents and vice-presidents of the student houses and Throop Club, is the policy-establishing group for those organizations. This year's committee organized and correlated house affairs; re-established Frosh rotation, selection, and initiation; revised Discolobus and interhouse athletic rules; modified the varsity rating system; acquired more on-campus parking; improved telephone facilities; and returned waiter service.

Left to right: Douglas, Johnson, Attias, Rosener, Shippee, Stokely, Williamson, Caldwell, Fullerton.

PUBLICITY



Left to right, first row: Dalton, Carter, B. Hedrick. Second row: Warren, Peterson, Sherriffs, R. D. Hibbard.

Increased interest in inter-scholastic sports by both students and faculty, as well as winning Beaver teams made this a full year for the Publicity Committee. Under manager Hugh Carter, the committee kept Southern California's newspapers well informed of Caltech sports and social events, and managed the appearance of Tech team members in the Pasadena papers.

OF THE ASCIT

ELECTION



The Election Committee, responsible for printing ballots, setting up polling booths, and tallying the results, had a busy year under John Mason with five ASCIT elections: two in the fall term to fill vacancies on the Board of Directors, one in the second term to pass on proposed amendments to the Corporation By-Laws, and the Spring ASCIT elections.

Left to right: Nevis, Royden, Mason, Sherriffs, Meier.



Left to right, seated: Bill Shippee, First Representative; Bill Muehlberger, Secretary; Bruce Worcester, President; Frank Wolf, Vice-President; Bob Poindexter, Treasurer. Standing: Bill Bradley, Business Manager, California Tech; Bob Crichton, Business Manager, Big T; Len Herzog, Editor, California Tech; Mike Sellen, Second Representative; Stan Barnes, Athletic Manager; Jack Ottestad, Rally Commissioner; Bill Karzas, Publicity Manager; Dick Roehm, Yell Leader; Tom Tracy, Editor, Big T.

NEW ASCIT OFFICERS



HONOR KEYS

When the Student Body Constiution was adopted, twenty-seven years ago, there was incorporated in it an entirely new institution, originated by the students of the Institute. This was the Honor Key System. Its purpose has been to encourage active participation in extra-curricular activities by all students. In order to do this there was provided a system whereby those students who had taken the most active and responsible parts in student affairs would in turn be honored by the Student Body. Points are assigned for every recognized extra-curricular activity. The actual number of points is chosen to be as nearly proportional as possible to the work and responsibility involved in the position. Then every man receiving a total of one hundred or more point during the year is presented with the highest award at the disposal of the Student Body—its Honor Key. Only the Student Body President is entitled to a key without additional points.

This Honor Key is not considered as a reward for the work done. That is done for the advancement of the Institute and not for the sake of a personal reward. The Honor Key is merely a recognition of the fact that the recipient has consistently served the Student Body.

Richard C. Alexander
Leonard F. Herzog II
Bruce Robinson, Jr.

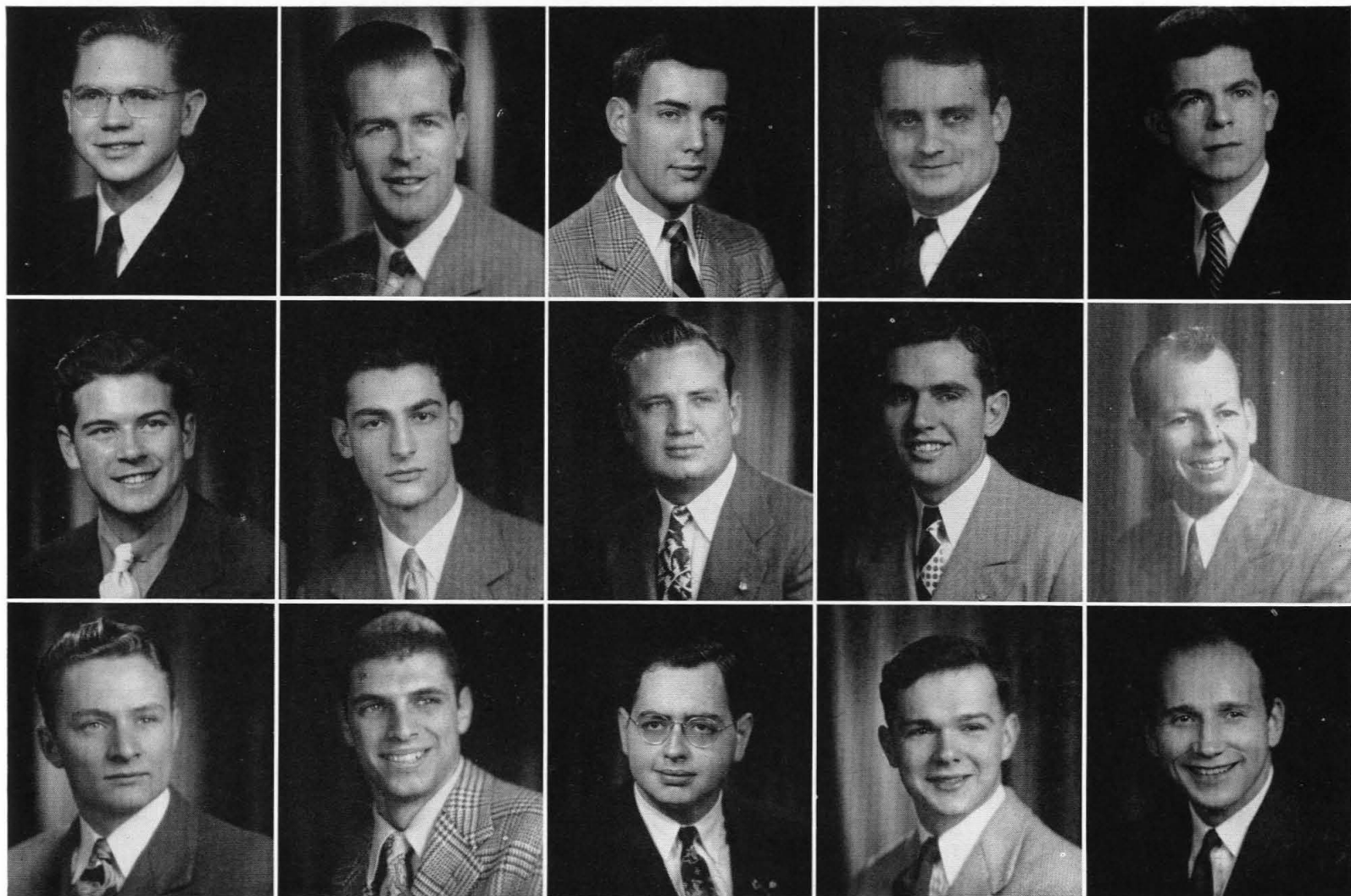
David O. Caldwell
William J. Karzas
Paul D. Saltman

Edward B. Crichton
Norman R. Lee
Charles B. Shaw, Jr.

Louis L. Grimm
George W. Lyon
Eugene M. Shoemaker

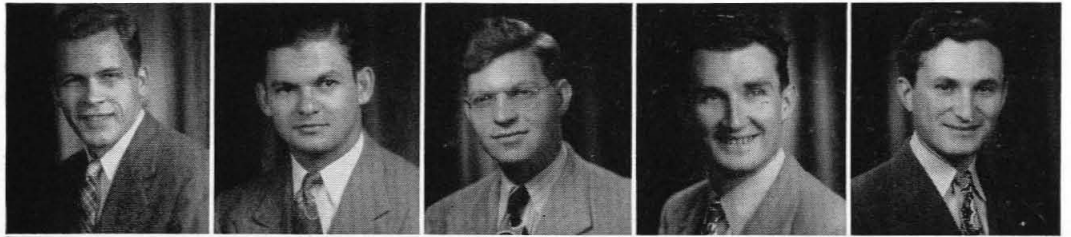
Langdon C. Hedrick
Arnold H. Nevis
Bruce A. Worcester

Not pictured: Hugh Carter, William Smyth

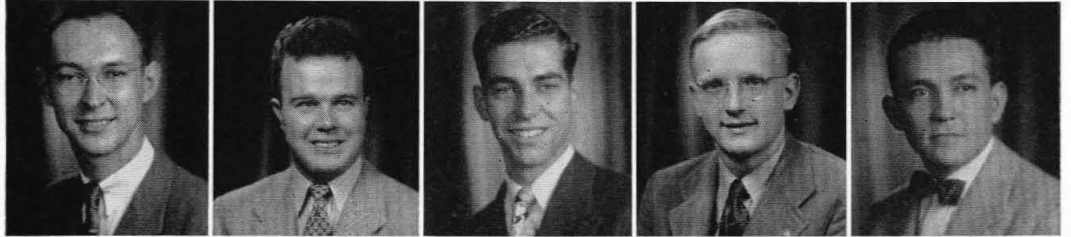


TAU BETA PI

Austin, G. A.
 Bearson, R.
 Beder, E.
 Bowerman, F. R.
 Brachfeld, J.



Breece, R. K.
 Christopherson, W. A.
 Crumley, C. B.
 Dixon, W. J.
 Douglas, D. L.



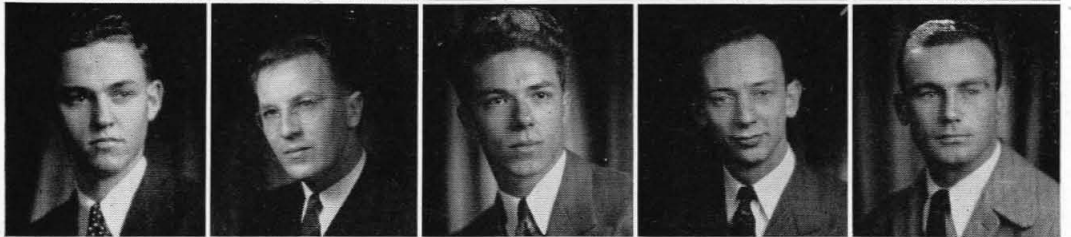
Eggenberger, B.
 Farrell, R. A.
 Fletcher, T. C.
 Gavril, B. D.
 Green, J. M.



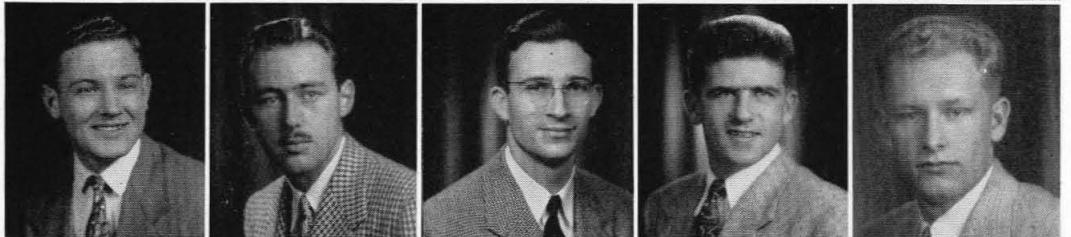
Hammerle, W. G.
 Hawthorne, R. G.
 Hipsch, H. M.
 Hodges, M. E.
 Holm, H. K.



Jarmie, W. H.
 Kenney, R. W.
 Kuhn, H. W.
 Lewis, H. K.
 MacLean, D. J.



Marshall, W. M.
 Mays, J. M.
 McEuen, A. H., Jr.
 Meier, D. J.
 Mueller, A. H., Jr.



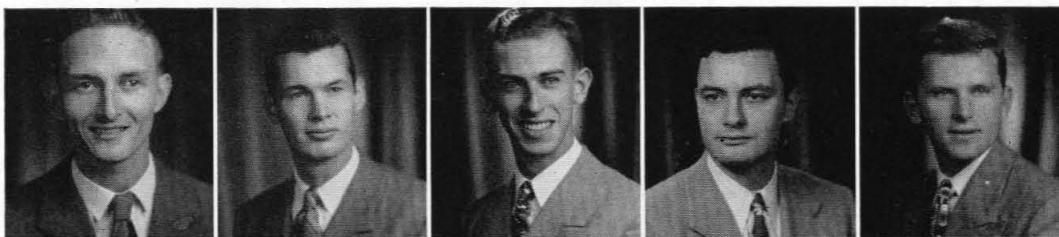
Murphy, C. G.
 Ogier, W. T.
 Rasumssen, C. F.
 Rasmussen, J. O., Jr.
 Roberson, H. L.



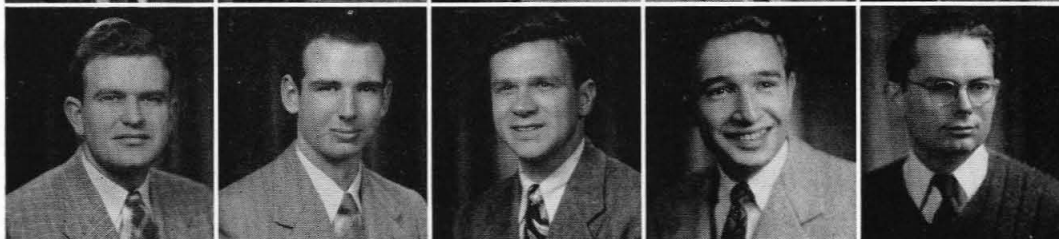
Rose, E. S.
 Sinclair, C.
 Six, Lyle D.
 Stiles, S. G.
 Stix, T. H.



Sturdevant, C. R.
 Tasker, R. B.
 Utschig, R. H.
 Valle-Riestra, J. F.
 Walker, R. L.



Wanlass, S. D.
 Whittlesey, J.
 Wilkinson, D. P.
 Winchester, R. L.
 Woodbury, E. J.



Woodson, W. L.
 Youtz, B. L.



Not pictured: D. Hausmann,
 G. Scott, J. Swain, and J. P.
 Terry.

Highest among campus scholastic honors is membership in Tau Beta Pi, national honorary engineering fraternity. Elections are made from an eligible list which includes the upper eighth of the junior class and the highest fifth of the seniors. Scholarship, however, is only a prerequisite; final choice is based on the possession of a well rounded personality.

Starting off this year with a small nucleus of former members the chapter, California Beta, soon assumed normal operations. Under the guidance of Dave Douglas as President, Burt Crumly as Vice President, Carter Sinclair as Corresponding Secretary, Harold Hipsch as Recording Secretary and Jonas Brachfeld as Treasurer, the chapter was completely reorganized. Twice this year the big BENT went up in front of Throop, signifying that a new group of pledges was hard at work.

The principal activities of the chapter are the banquets held in honor of the new members and the formal dance held during the third term. Highlight of the year was the election and initiation of President DuBridge in March. In conjunction with the Y a new project was initiated during the winter term - a tutoring service, which promises to be quite successful.



BEAVERS



Composed of members chosen on the basis of enthusiastic participation, both past and anticipated, in student body activities, the Beavers lend willing assistance to every project concerning the student body. Beaver men, distinguished by their white sleeveless sweaters, are the spark-plugs in almost all campus affairs.

This year the Beavers helped to organize the highly successful '46 frosh camp, aided in staging the Pajamarino, mobilized the student body for the house-to-house canvassing of Pasadena prior to the city election on the sale of Tournament Park to the Institute, re-established the guide service for visitors on campus, and published a weekly calendar of activities in the California Tech.

Officers for the year were Dale Vrabec, President; Chuck Forrester, Vice-President; Bill Smyth, Secretary; and Frank Rock, Treasurer.

Left to right, first row: J. S. Smith, Warren, Giacomazzi, Sherriffs, L. Hedrick, Carter, Navarro, Baron. Second row: Kachadorian, Dalton, Rosener, Douglas, Hamilton, J. Mason, Ottestad, Rock. Third row: Austin, Worcester, C. B. Shaw, Caldwell, Granicher, C. Forester, D. Johnson, Benton, Stokely, Vrabec, W. Smyth, Shippee, Saltman, Burrows.





Left to right, first row: Nobles, L. Hedrick, Hamilton, MacLean, Lee, Vieweg, S. Barnes, Lyon. Second row: Shauer, Jarmie, Baker, D. Long, Saltman, Manning, W. Marshall, Houser. Third row: Walquist, Felberg, Bass, Dahm, D. Hibbard, J. Mason. Fourth row: S. Butler, Funk, Curray, H. Lewis, Caldwell, Stokely, MacGinitie, Shaller, Petrusas.

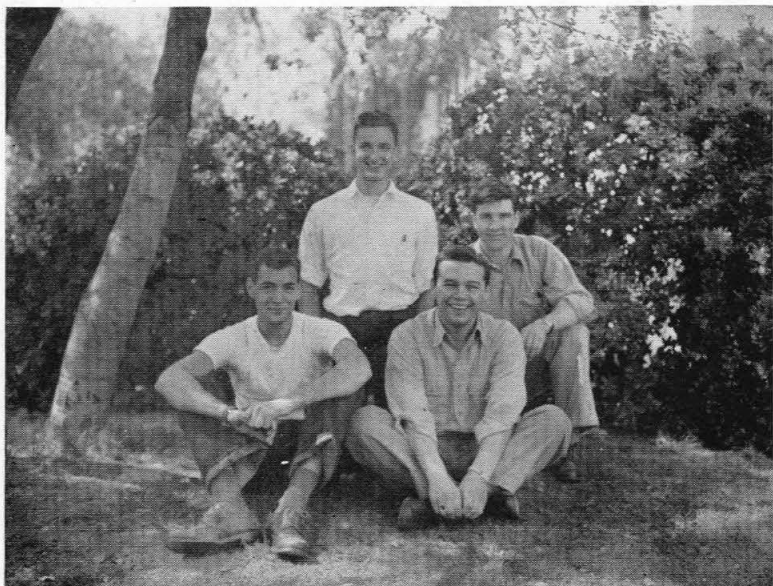
With membership limited to lettermen in intercollegiate sports, the Varsity Club has as its objective the promotion and support of all athletics on the campus. The Club has in addition the responsibility of enforcing the rulings laid down by the Court of Traditions.

The activities this year swung into high gear with the spirited initiation of the new football lettermen. Highlight of the winter term was a snow party at the ski hut, and in the Spring a beach sports carnival was held.

Heading the organization were Doug MacLean, President; Dennis Long, Vice-President; Bob Stokely, Secretary; and Bob Funk, Treasurer.



VARSITY CLUB



Left to right, first row: Crichton, Opperman. Second row: Bradley, Haeffliger.

The 1946 California Tech was distinguished by a galaxy of star editors: Dave Baron, first term, Bob Heppe and Bill Karzas, second term, and Len Herzog elected for third term and next year. The sports page was run by Bob Crichton and Dick King while Frank Valle-Riestra's column catered to music lovers. Lewis Grimm, Mike Sellen, and Bill Paine wrote the numerous features for the paper; Harold Baugh and Charles Walance supplied the photographs. Credit goes to many reporters for the regular news, and the intrigue-ridden Campus Brewin's.

Bill Bradley, Business Manager, successfully held the Tech out of the red, while Merwyn Hodges kept the accounts and Dave Opperman mailed out some four hundred subscriptions and exchanges each week.

Left to right, first row: Baron, Heppe, W. Karzas, Herzog. Second row: Kowan, Mittenthal, B. Karzas, Mackenzie, Valle-Riestra, Barnes, Peterson, Crichton, Sellen, Cotten. Third row: King, Bryant, Baugh, Robinson, Opperman, Gage, Walance.



CALIFORNIA TECH

EDITORIAL STAFF

Charles B. Shaw, Jr. Editor

Department Editors

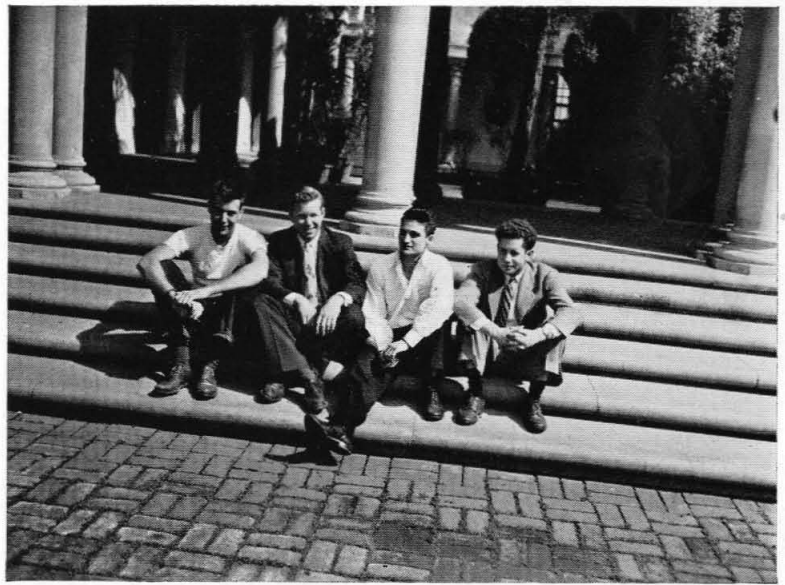
Arnold Nevis Photography
 Tom Tracy Layout
 Tom Moore The Institute
 Gene Shoemaker Classes
 Tom Stix Activities
 Bruce Robinson Student Houses
 George Lyon Athletics

Staff Members

Harold Baugh, Ralph Loveberg, John Scull, Don Spaulding, Bob Stone, C. Walance, Henry O. Wheeler Photography
 Wayne Herzig, Richard D. Hibbard The Institute
 Fred Eimer, Henry Kohler, John Mason, Gene Rose Classes
 Bill Bradley, Dick Cornelius, D. C. Oakley, D. W. Peterson Activities
 Carlos Navarro Cover Design
 Bob Crichton, George Hardy, Fred Steiner . Office

BUSINESS STAFF

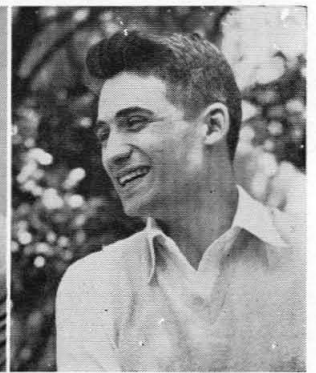
Joseph M. Green Business Manager
 Leigh Sheriffs Circulation Manager
 G. C. Barlow, Bob Crichton, Saul Kaplun, Paul Linam, H. L. Roberson, Bill Seiden, Fred Steiner, Bob Stubbins Salesmen



Left to right: Crichton, Steiner, Green, Kaplun, Hibbard.



SHAW



GREEN

Left to right, first row: Loveberg, Herzig, Bradley, Crichton, Stix, Scull, Tracy. Second row: Baugh, Moore, Walance, Kohler, Shaw, Lyon, Peterson, Robinson, Nevis.



THE BIG T for 1947



BAND

Left to right, first row: B. Hedrick, Warren, Edwards, Herzig, B. Youtz. Second row: Sellen, S. Zwick, Dixon, J. Rasmussen, Spellman, Lovelace. Third row: Hockaday, Utrecht, Van Lint, Matthews.

Under the direction of Audre Stong and the management of Don Lovelace, the Tech band furnished enthusiastic support for football rallies and games. For the Pajamarino, the horn blowers set the tempo, leading the parade atop a truck. The band plans an assembly during the third term, and will make its final appearance of the year at commencement.

The Caltech Orchestra was revived this year for its first postwar season. John Brockman, Musical Director and Conductor, and Bert Golding, Concert Master, both veterans of the prewar group, were largely responsible for getting the organization going again. It was decided to concentrate this year on building up a repertoire, no concerts being scheduled.



Left to right: B. Golding, Concert Master; Davenport, First Violin; Eschner, Second Violin; F. Smith, Piano; Honnald, Second Violin; Brockman, Conductor; Carus, Cello; C. B. Shaw, Tympani; Susskind, Cello; Mathews, Viola; Dixon, Clarinet; Sellen, Cornet; Lovelace, Trumpet; Inman, Flute; van Lint, Flute.

ORCHESTRA

GLEE CLUB



Left to right, first row: Tracy, Housman, Parker, Felbeck, Robinson, Carter, King, Sheriffs. Second row: F. Smith, Shoemaker, Lovberg, Arcand, Prevost, Ragon, Marshall, Alexander, Palmer, Armstrong.

A small but eager group of students compose the newly resurrected Glee Club. A wartime casualty that had to wait a year for rebirth, the Glee Club has made giant strides toward its object of providing an outlet for would-be Crosbys and at the same time presenting enjoyable programs. Tom Tracy is the President of the organization.

The Musicale consists of Techmen interested in classical music. Its collection includes hundreds of recorded compositions, for most of which pocket editions of the score are also provided. When the new phonographic equipment, ordered last year, was finally installed, lunch hour and Sunday evening recorded concerts were resumed in Dabney Hall for all interested. Rolf Sinclair succeeded Charles B. Shaw as President, but had to take a year's sick leave from the Institute, so Walter Ogier became President Pro Tem.



Left to right, first row: E. Zwick, C. B. Shaw, H. Woodbury, Ogier, Oberman. Second row: Kofahl, Ruden, Zablow, Talmadge.

MUSICALE



Left to right, first row: Walquist, Shaller, Ragon, F. Smith. Second row: Bellew, Stix, Mudgett, Seiden. Third row: Price, Cotten, Roehm, Caldwell, Worcester.

The Greek Play, brought back to Tech through the Olympian efforts of Carl Price, Tom Stix, and Fred Smith, once again resounded through Culbertson Hall. These three seized upon "The Clouds," Aristophanes' satirical treatment of Socratic philosophy, and converted it into a caricature of CIT cultists.

Bruce Worcester played the stupid Strepsiades with unusual fervor, while Bill Bellew, as Socrates, expounded tententiously on the glories of the abstract. Mitch Cotton performed admirably as the hopped-up chariot fan, Phidippides. An unusual device, borrowed from the original comedy was a debate between Old Tech and New Tech, fought by Dave Caldwell and Tom Stix.

Battling furiously as top scene-stealers were Fred Smith, Dick Roehm, Bill Seiden, Ed Fisk, Rex Ragon, Leo Breiman, Chuck Shaller, and Bob Walquist. The Sextet responded to the dramatic call as the Chorus of Clouds. Sparked by Tom Tracy, this included Bruce Robinson, Dick King, Dick Alexander, Burt Housman, Dave Metzler, Harry Brueggeman.

Walt Mudgett, Jack Ottestad, Bob Heppe, and Leigh Sheriffs rolled up their sleeves in the Augean task of arranging properties and stage.

Left to right: Stix, Cotten, Worcester, Price, Bellew.



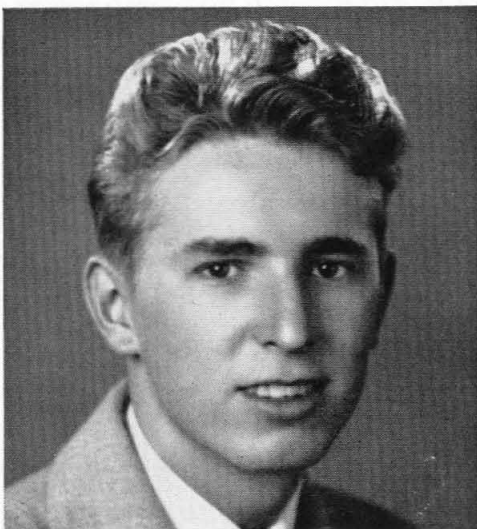
GREEK PLAY

DEBATING



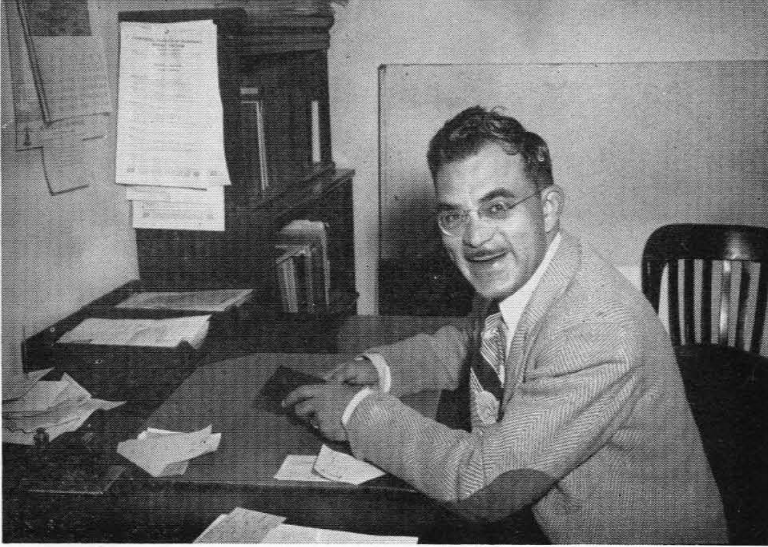
Left to right, first row: J. M. Green, Krumholz, Shore, Heath, Bauer. Second row: Sulmeyer, Freebairn, Dr. Shutz, Vrabolovich, R. Muehlberger, E. Zwick, Bowen.

Reactivated after a wartime lapse of three years, the California Gamma chapter of Pi Kappa Delta, national forensics fraternity, under the able supervision of Dr. John Schutz, enjoyed one of its most successful years. The debate, extemporaneous, impromptu, oratory teams scored notable victories over U.C.L.A., U.S.C., Occidental, Redlands, P.J.C., College of the Pacific, and other schools. Highlight of the year was the tournament held here in February, at which Caltech, competing against twenty-five other schools, emerged with a second place in debate. Officers of Pi Kappa Delta for 1946-1947 were Irving Sulmeyer, President; Bernard Shore, Vice-President; Paul Howard, Business Manager; Tom Vrebalovich, Secretary-Treasurer.



LITTLE T

The Little T serves upperclassmen as a ready reference manual and provides freshmen a complete insight into campus life. Containing improvements and additions, the handbook reappeared in full form last fall. Hugh Carter edited and managed the Tech "bible" with a profit to the student body.



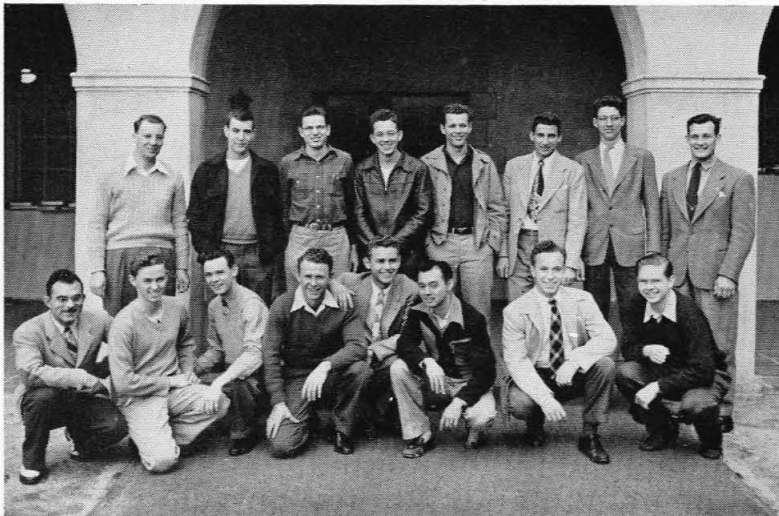
Wes Hershey

YMCA

The Caltech Y.M.C.A., revitalized by the very popular new Executive Secretary, "Wes" Hershey, has staged a tremendous comeback this year. Starting off without a program, Wes, ably supported by President James Harder, Vice-President Jack Ottestad, Secretary Gene Shoemaker, Treasurer Bob Crichton and many others, has continually expanded the "Y" program this year, with over fifty speakers appearing under its auspices.

Beginning with participation in Frosh Camp planning and program, the Y has sponsored the popular Luncheon Clubs, Forums on World Affairs, Lectures on Psychology and Sex, YM-YW Conferences and Asilomar. The Y Book Exchange, the Loan Fund, and the offices and lounge have been well used. The grateful student body, in return, subscribed the full quota for the Y finance drive.

Left to right, first row: Hershey, Jarmie, Harder, Norman, Ottestad, Chinn, Markoff, Alexander. Second row: Kenney, Crichton, Metzlar, Housmann, Edwards, Kariotis, Houghton, W. Muehlberger.



CHEM CLUB

Left to right, first row: Schneider, Rock, Meier, Granicher, Mason. Second row: Gibbons, Armstrong, Kofahl, Rasmussen, R. Green, Shippee.



The Chem Club, student affiliate of the American Chemical Society, has given Tech chemists and chemical engineers a valuable opportunity to meet men of industry by sponsoring talks by professional and industrial chemists.

Officers for the year were: Dale Meier, president; Don Granicher and Frank Rock, vice-presidents; Louis Schneider, secretary; John Mason, treasurer. Professor H. J. Lucas was faculty sponsor.

Reactivated in February, the Radio Club started temporary operations in the Fleming Fan room, with W6RRO on the 10, 20, and 40 meter bands. Slate for the future includes a permanent system of antennas for use with members' equipment, code practice and experimental facilities.

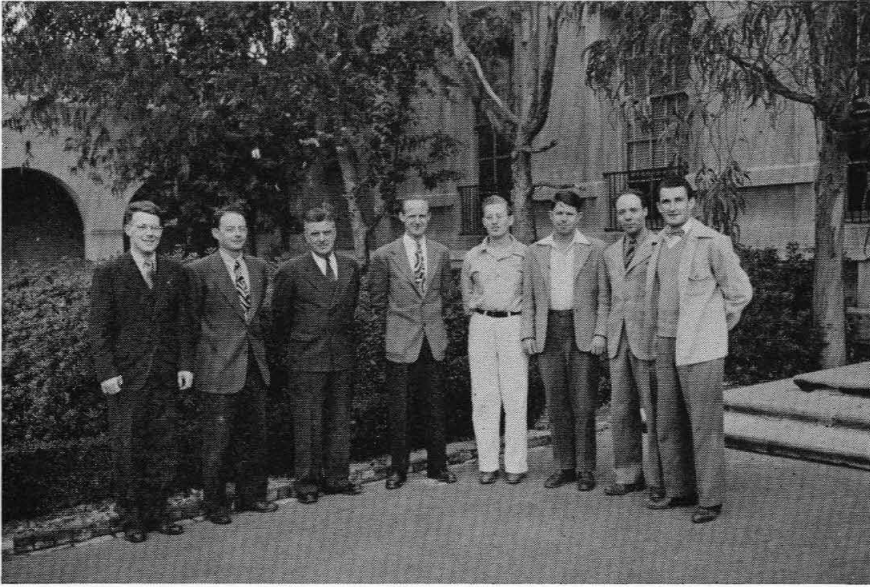
Elected President was Roy Gould; Secretary-Treasurer, Roger Chambers.



Left to right, first row: Dolan, Adams, Gould, Chambers. Second row: Kenney, Cook, Stone, Honnold, Krueger. Third row: L. Hedrick, Robinson, Mudgett, Alexander, Rolph. Not present: Crumly, Sweet.

RADIO CLUB

PROFESSIONAL



Left to right: C. Sinclair, Hatcher, Prof. Banta, Dr. Pickering, Werner, Fletcher, Terry, Bowerman.

ASCE

The Tech chapter of the ASCE has tried to bridge the gap between the student and the professional engineer. This year the chapter has carried through a very active program of field trips, seminars, and lectures by outstanding civil engineers. Social activities included picnics and hosting to the L.A. section of the ASCE. Officers were Francis Bowerman, president; David Hatcher, vice-president; Alfred Waters, secretary; and Byrne Eggenberger, treasurer.

Left to right, first row: Dr. Pickering, D. Stewart, Tasker, Fletcher. Second row: Terry, Crumly, Robinson, C. Miller.



Left to right, first row: Wong, Waters, Davis, Eggenberger, Hatcher, Bowerman, Lund, Richeson, Hall, Harris. Second row: Prof. Banta, Harrison, Kariotis, Williams, Carroll, Hybertson, Sulmeyer, Martin, Housmann, Heller, Gerke, Boettcher.

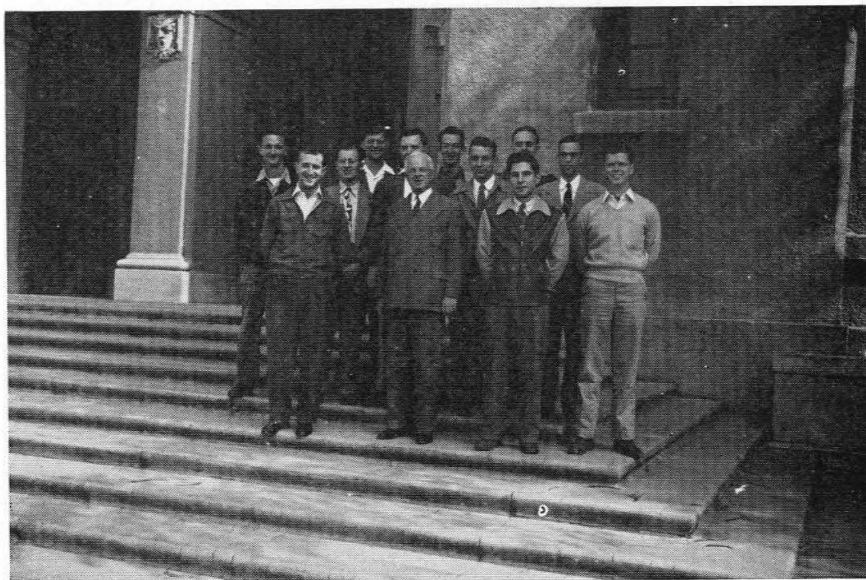
CES

The Consolidated Engineering Societies was newly formed in October of last year, the member organizations being ASCE, ASME, SAE, AIEE, and IRE. Through regular meetings of the officers of these organizations, their activities are co-ordinated for maximum advantage to all Tech engineers. On its own, CES presents speakers whose subject-matter is of interest to men in every field of engineering.

AIEE

Electrical engineering students, members of the Tech branch of the AIEE, have frequently been guests to the dinner-meetings of the Los Angeles section. Reciprocating, Tech played host to the latter in March, two Techmen delivering papers at the affair. Other meetings and field trips have been held jointly with the student IRE. Officers were Jack Terry, chairman, and Taylor Fletcher, secretary.

SOCIETIES

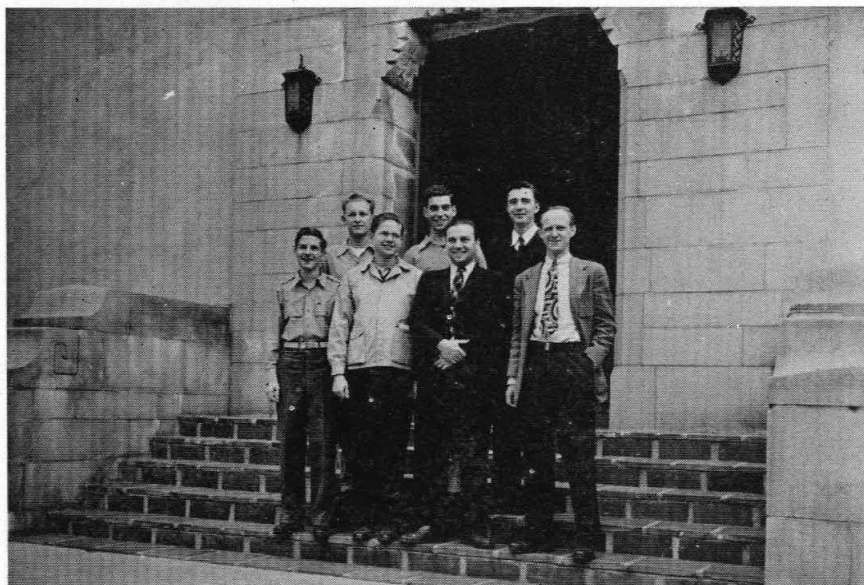


Left to right, first row: Attias, Prof. Daugherty, Haas, Poindexter. Second row: Sturdevant, Werner, Dynes, Lesousky, Van Deerlin. Third row: Beder, Baron, Grady.

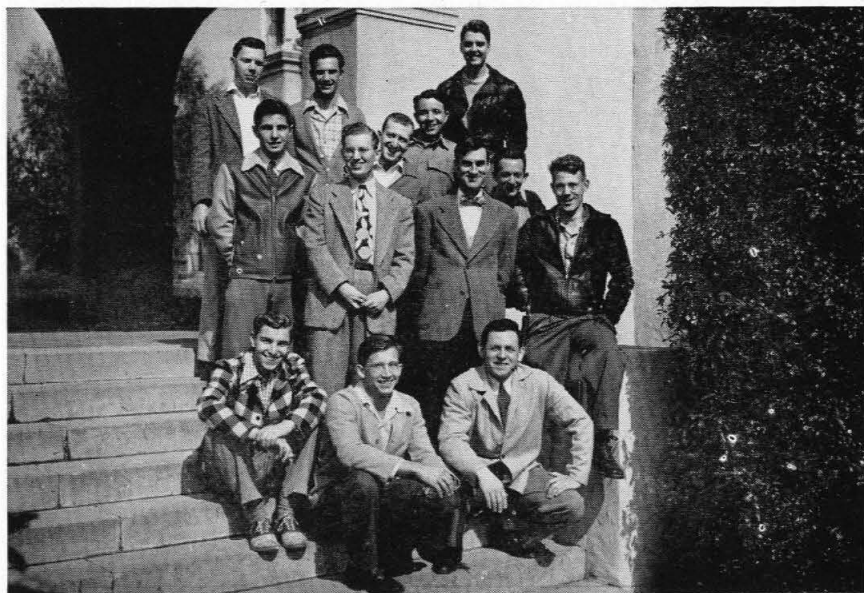
IRE

The Tech branch of the Institute of Radio Engineers this year joined forces with the student AIEE, Jack Terry serving as co-chairman, Bob Krueger as IRE secretary, Dr. W. H. Pickering as faculty advisor. Activities included a trip to the Don Lee television station, a film and lecture on GCA Radar, and presentations of papers on new electronic developments.

Left to right, first row: Wolf, Hawthorne, Rose. Second row: Haas, Werner, Prof. Kyropoulos, C. Sinclair. Third row: Dynes, Chaffee, Attias, Puter, Demuth, Baron.



Left to right, first row: Krueger, Alexander, Susskind, Dr. Pickering. Second row: Mueller, Crumly, Sweet.



SAE

The Society of Automotive Engineers, specializing in the engineering of transportation by land and air, has maintained an active student branch at Tech. High spot this year was a demonstration lecture on fuels and lubricants sponsored by the SAE for the CES group.

Student officers were Jerard B. Werner, Chairman; Carter Sinclair, Secretary; and Robert G. Hawthorne, Treasurer.



Left to right, first row: R. Anderson, Houser, Baraclough, Kowan, Ferrell, Whittlesey, Mueller, Bradley, Carus, Rosener. Second row: McDonald, Mitchell, Moorehead, Morrison, Jarmie, Fisk, Opperman, Pascoe, Heppe, Brown, T. Miller, Royden, Houghton, Johnson, Burrows, Blair.

With a record sixty-five members, but with unpredictable snow conditions in the surrounding race areas, the Ski Club's energy was devoted primarily to improvements on the Snow Valley hut. Wall board was installed, fifty bunks and mattresses, borrowed from the Institute, were placed on the second floor of the hut, and a cook stove and grill were bought and put downstairs. To this plush cabin the Varsity Club, Dabney House, and Fleming House came for their snow parties.

The hut was crowded with CIT skiers over the Thanksgiving and Christmas holidays, while eighteen enthusiasts journeyed to Sun Valley to frolic in the winter snow.

Larry Brundred was President of the club; John Whittlesey, Secretary-Treasurer; Warren Schlinger, Hut Manager; and Sage Burrows, Transportation Manager.



SKI CLUB



T H E H O U S E S

BLACKER



First row, left to right: Elder, McLean, Dynes, Attias. Second row: Caldwell, Parkhurst, Wade.



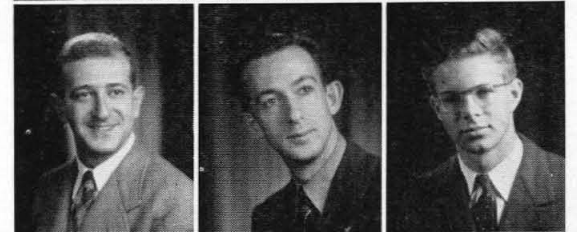
BLACKER

The benign countenances of Robert Roe and Nellie Blacker have, since building of the student houses, looked down upon many generations of Blacker gentlemen, but no year of the past has witnessed so profound a change as has this year. The war years left the house traditions in a chaotic state, but the enthusiastic perseverance of Dave Caldwell, President, and the inspiring encouragement of individual initiative by Tom Davis, Resident Associate, has rekindled the old Blacker spirit. Jack Attias, Vice-President, Ken Parkhurst, Treasurer, and John Elder, Secretary, along with the social committee, athletic manager, and upper-class committee have ably assisted in this task of renovation. The new post-war members and the returning pre-war members have eagerly cooperated in establishing new policies and re-establishing old traditions with an enthusiastic spirit that will last and guide many generations of future Blacker men.

Abell, J.
Allinder, F. S.
Arcand, G.



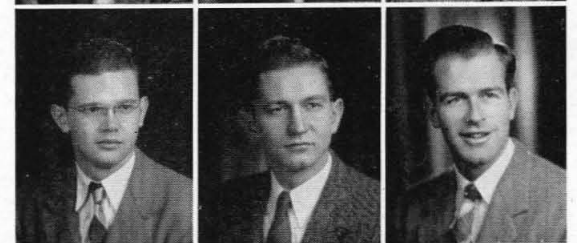
Attias, J. J.
Baron, D.
Bear, H. S.



Bear, J. C.
Brown, R. J.
Bryan, W. W.



Burriss, W. L.
Butler, W. A.
Caldwell, D. O.



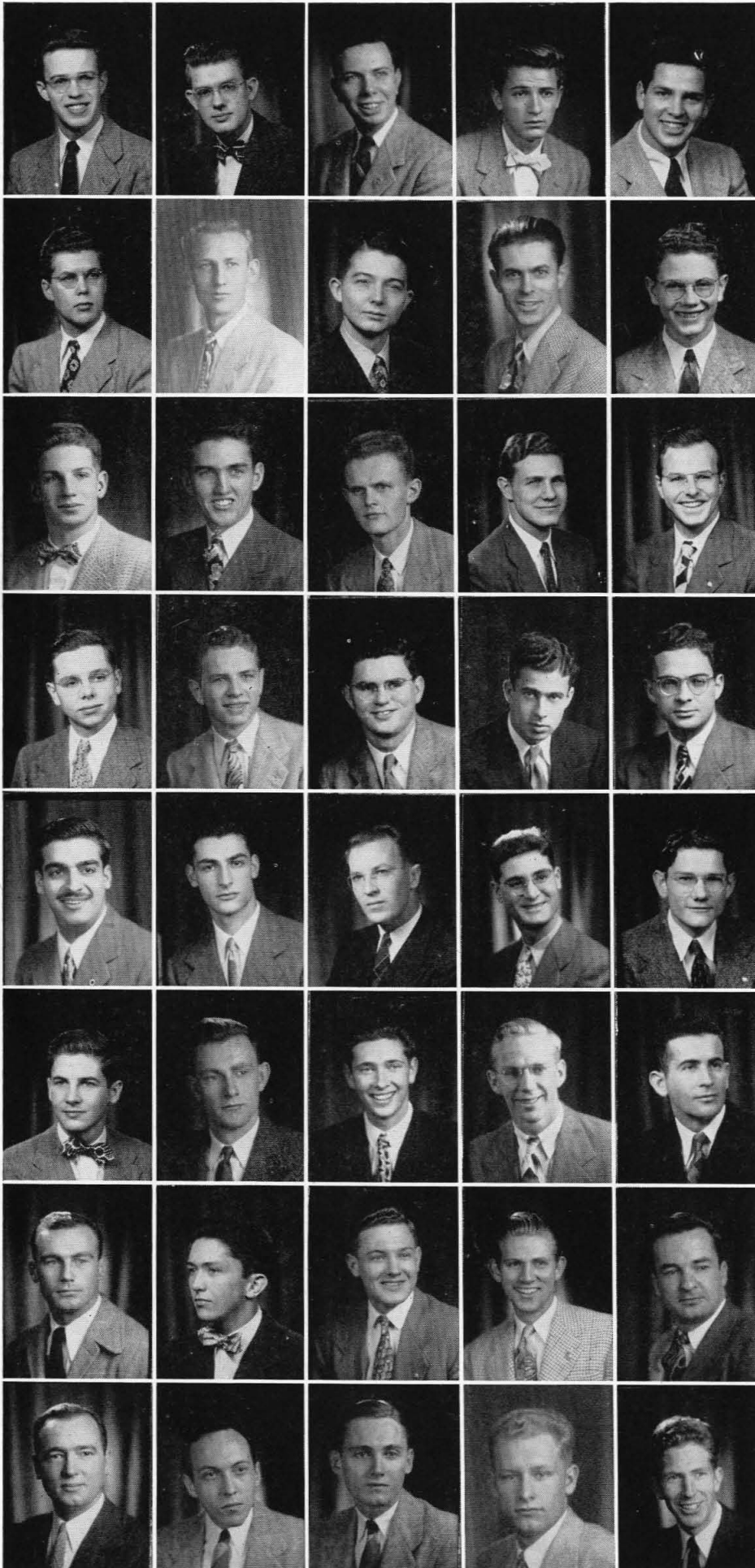
Chambers, G. R.
Cohan, H. J.
Comlossy, H. Jr.



Cornelius, R. C.
Cotton, M. L.
Cox, A. N.



BLACKER



Curry, J. R.
Drew, D. L.
Dynes, W. M.
Elder, J. K.
Feferman, S.

Felbeck, G. T. Jr.
Felberg, R. L.
Ferrell, R. A.
Gammans, G. G.
Goodwin, L. K.

Graham, F.
Hall, M. A.
Harris, A. V.
Heath, J. Jr.
Heppe, R. J.

Honer, R. C.
Howard, C. S.
Johnson, J. E.
Kahn, R. L.
Kaplan, A.

Karzas, B. C.
Karzas, W. J.
Kenney, R. W.
Kowan, J. M.
Krasin, F. E.

Krueger, R. E.
Krum, W. E.
Lang, T.
Lovberg, R.
Lutwack, R.

MacLean, D. J.
Marshall, J. C.
Marshall, W. M.
McGrane, J. F.
McKinnon, R. A.

Miller, C. N.
Mittenthal, L.
Morrison, S. C.
Mueller, A. H. Jr.
Myers, F. O.

BLACKER

They laughed as the Blacker team moved onto the football field to defend the Discobolus Trophy against Fleming's Red Wave. Wasn't Blacker traditionally weak and Fleming strong? An hour later saw the men of Blacker still in possession of the bronze booty after having scored the second in what was to be three consecutive successful defenses of the Discobolus; an accomplishment having been achieved only twice before in the history of Discobolus.

Thus may the Blacker teams be typified. Often the underdog but still having the ability to win when the chips are down.

Let the closing phrase be in the words of that great athlete and prophet Titus Andronicus written in the year 200 B.C. "Fugus futile Fleming," or, "Fleming may win the Interhouse Trophy in 1947 but watch out for Blacker in 1948."



BLACKER

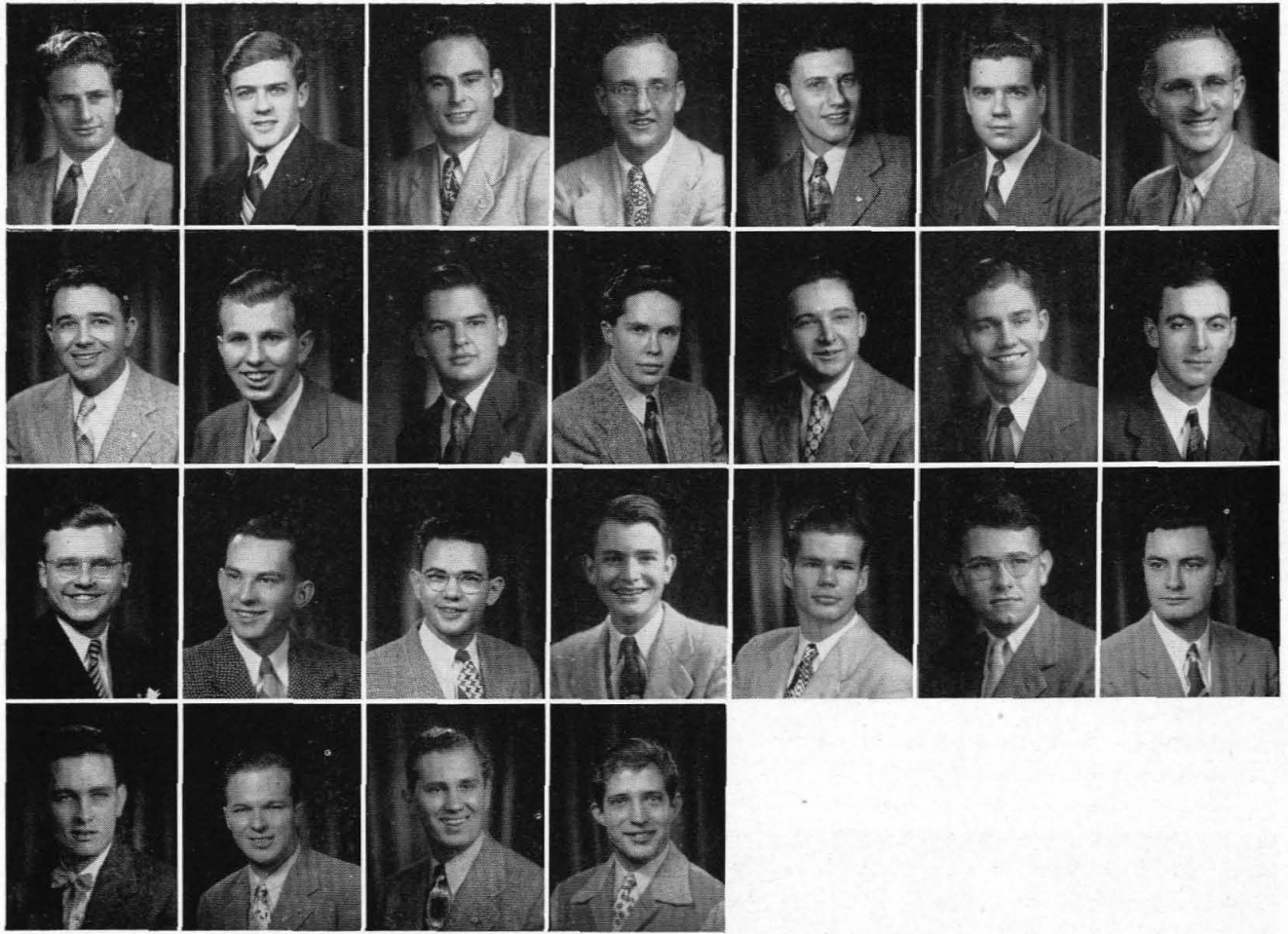
Blacker House lived up to its reputation of having repeatedly successful social seasons in an unprecedented manner. Social Chairman Jephtha Wade and his able staff did a fine job of preparing a well balanced and varied social calendar.

A series of unusual dances and parties was initiated with the fall Interhouse Dance, with Blacker Lounge attracting mobs of gaping and bemused couples with its shockingly startling surrealistic decorations based upon the theme, "The Lost Weekend." Frank Valle-Riestra and his decorations committee outdid themselves on varied Daliesque effects dominated by a gruesome "Lena the Hyena," a creation by staff artist Sol "Picasso" Feferman.

The Christmas season brought the traditional Christmas formal, outstanding for its gigantic Christmas tree. The season's second formal came on Valentine's Day, and the constantly crowded dance floor was proof enough of its success. An outstanding event was Doc's Party, a strictly pre-war Blacker House affair. Doc Eagleson's productive brain kept the crowded party occupied with games, contests, and a concluding presentation of intimate bedtime stories in Doc's admirable manner.

Exchange dances, the usual stag party, a riotous barn dance with Dabney, and many other events completed one of the most successful social seasons in the history of Blacker.





Top Row: C. R. Oberman, W. E. Palmer, K. L. Parkhurst, P. E. Peterson, R. J. Pollak, J. P. Prendergast, W. G. Prevost.

Second Row: A. T. Puder, F. C. Rock, W. J. Ramsey, D. B. Rolph, R. B. Ruddick, G. M. Sawyer, A. J. Shurig.

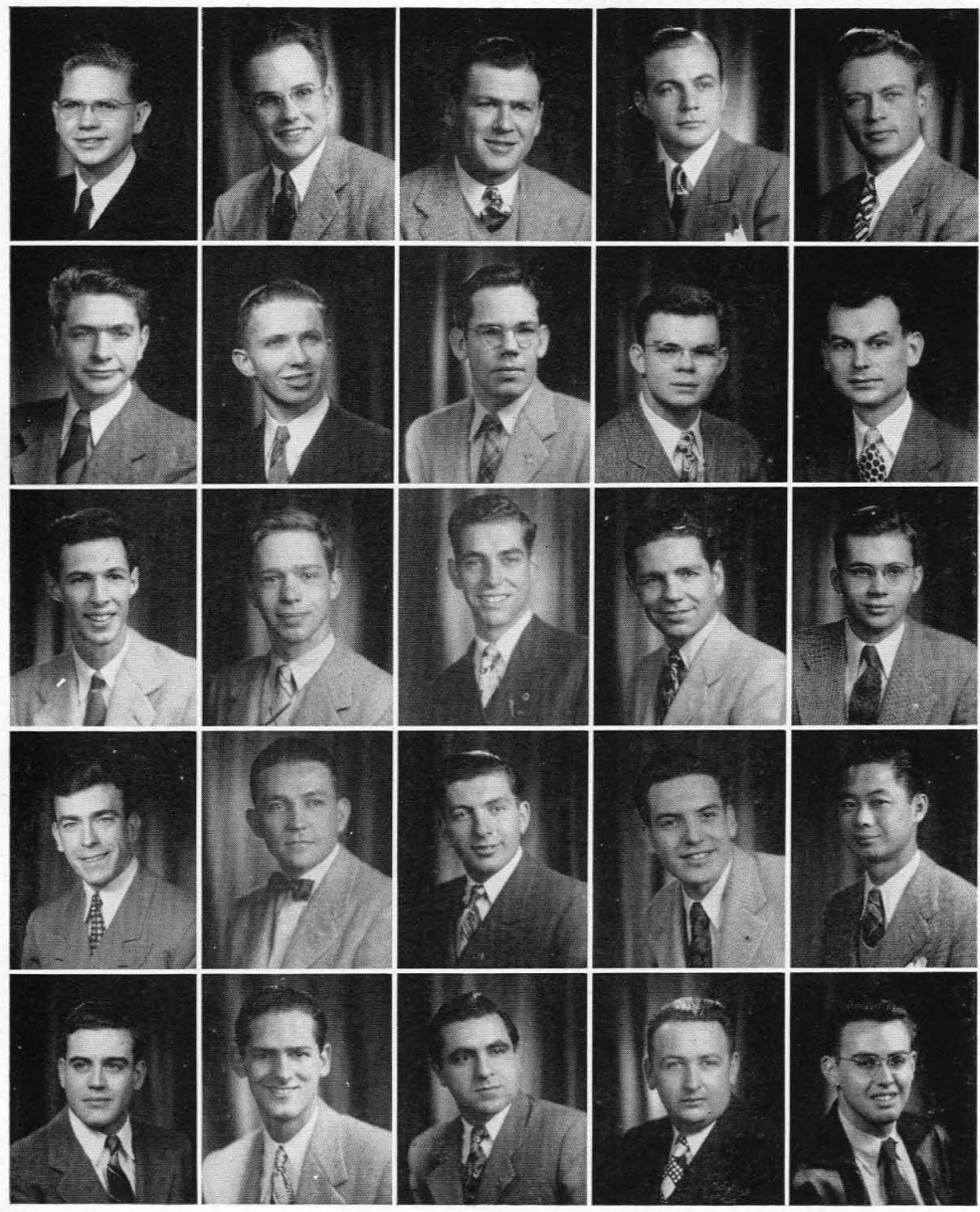
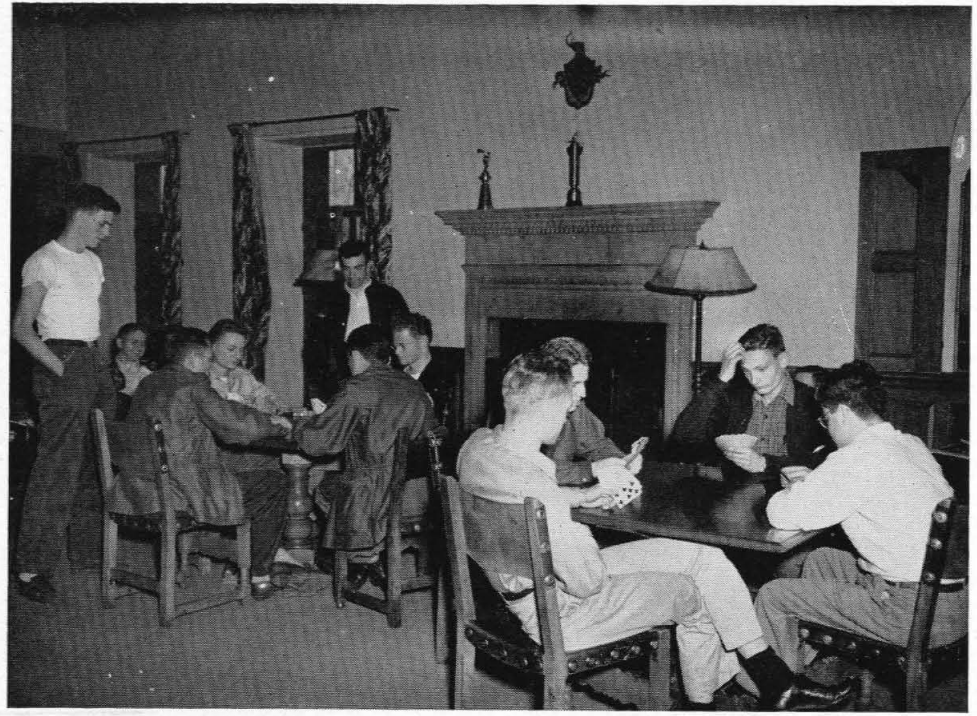
Third Row: D. P. Spalding, Jr., E. G. Spencer, K. L. Stiles, D. W. Stillman, W. A. Sylvies, J. H. Thomas, J. F. Valle-Riestra.

Fourth Row: J. A. Wade, Jr., W. P. Waters, J. B. Werner, G. P. Willson.



BLACKER

DABNEY



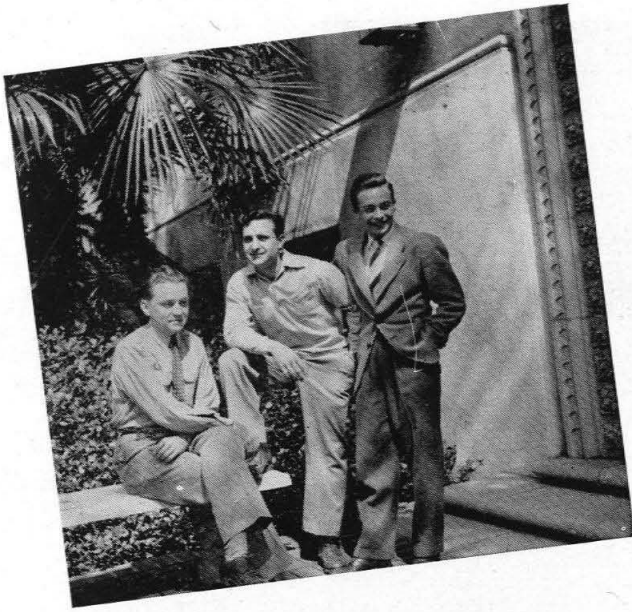
Alexander, R. C.
 Barr, J. G.
 Barraclough, R. P.
 Bauer, J. R.
 Bellew, W. R.

Bergreen, W. O.
 Blom, C. J.
 Burkholder, J.
 Burrows, J. S.
 Convis, W. D.

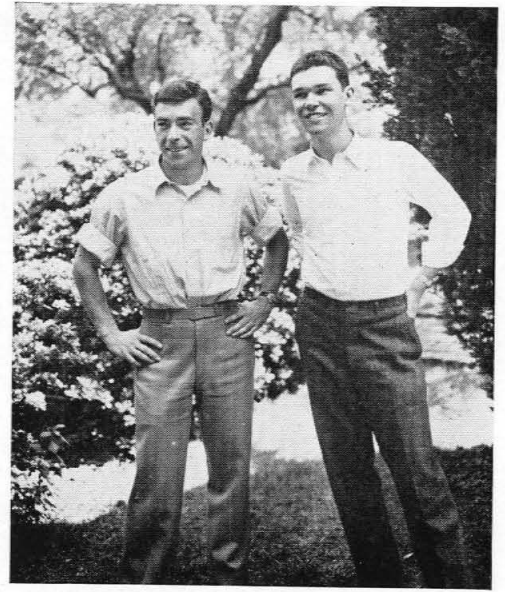
Corbato, F. J.
 Coulter, H. K.
 Crumly, C. B.
 Culbertson, W. C.
 Davison, W. F.

Dobrowolski, J. A.
 Douglas, D. L.
 Eimer, M.
 Fisk, E. P.
 Fong, S.

Fullerton, P. W. Jr.
 Gentile, M. D.
 Ghaffari, P.
 Giacomazzi, W. F.
 Gonzales, S.



Douglas, Auerbach, Navarro, and R. D. Hibbard



Dobrowolski and Smyth

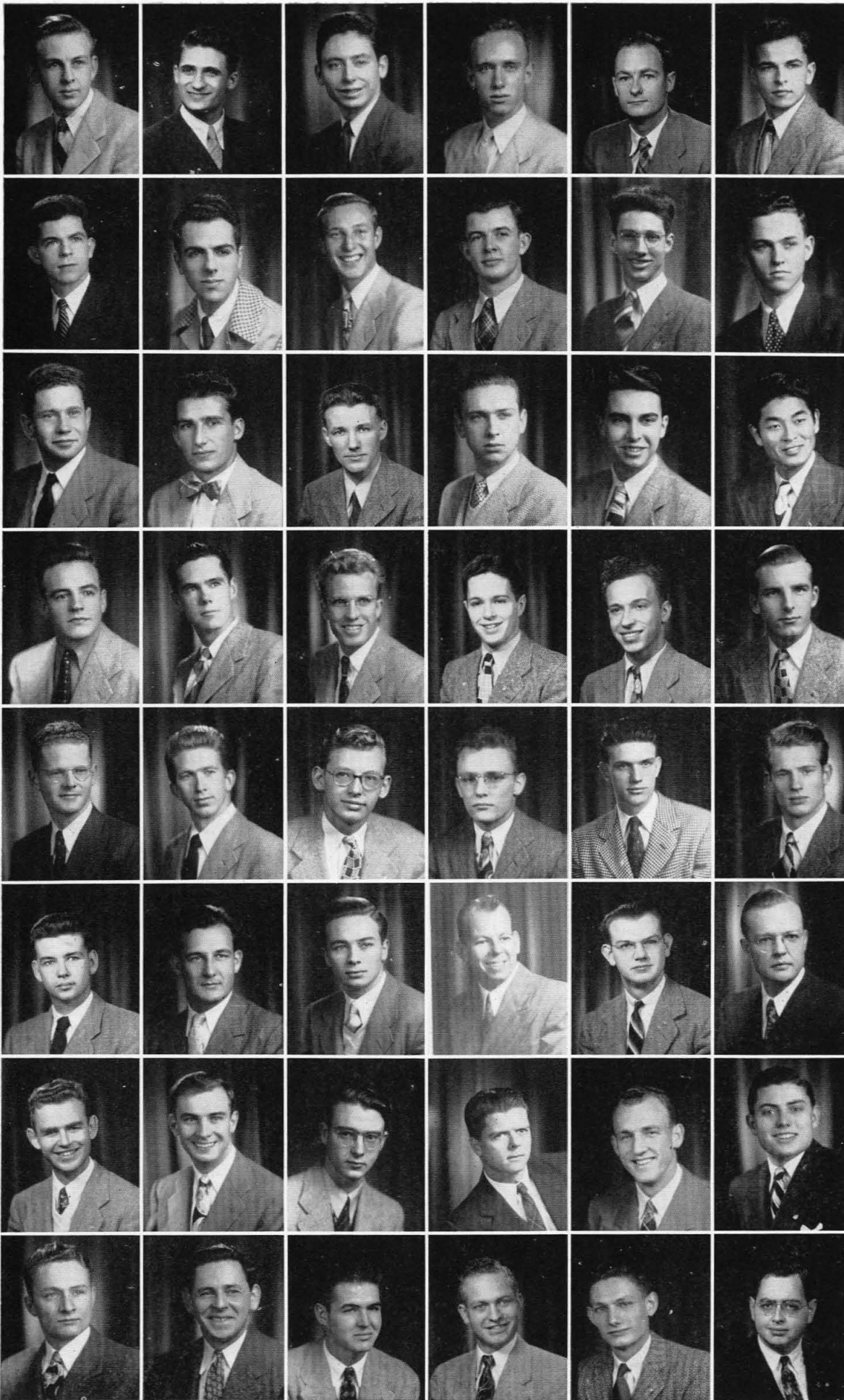


Hickey and Fullerton

From start to finish this was an outstanding year in the history of Dabney House. The members played leading roles in every phase of campus activity from athletics through student government to scholarship. Lang Hedrick completed a distinguished year as President of the student body. Other Dabney men serving on the ASCIT Board of Directors were Nat Gould as Vice-President (until the Army called him), Dick Alexander as Treasurer, Bob Barraclough as First Representative, Frank Wolf as Rally Commissioner, and Hugh Carter as Publicity Manager. Charlie Shaw was Editor of the BIG T, and Dale Vrabec served as President of the Beavers. The Tech chapter of Tau Beta Pi had Dave Douglas as President and Burt Crumly as Vice-President.

Dabney was extremely fortunate in having for Resident Associate "Chuck" Auerbach, who demonstrated an unusual combination of talents — both for leadership and fellowship. House officers were Dave Douglas as President, Paul Fullerton as Vice-President, Bill Smyth as Secretary, Carlos Navarro as Treasurer, Mal Hickey as Athletic Manager, and Joe Dobrowolski as Librarian.





Gould, R. W.
Green, J. M.
Hamilton, T. H.
Hardy, G. F.
Hayward, D. K.
Hedrick, B. B.

Hedrick, L. C.
Heiman, J. R.
Herzig, W. M.
Hockaday, R. C.
Houghton, W. J.
Jarmie, W. H.

Kaplun, S.
Kariotis, J. C.
King, R. G.
Kohler, H. G.
Kohnen, K. D.
Kono, E. H.

Lamson, P.
Long, H. A.
Lundy, W. P.
MacKenzie, D. B.
Markoff, D.
Marks, C.

Mason, J. J.
McDonald, R. R.
McIntyre, R. M.
Mitchell, E. E.
Moody, C. C. B.
Moorehead, B. E.

Morrison, D. R.
Muehlberger, W. R.
Navarro, C. B.
Nevis, A. H.
Noon, W. L.
Olson, N. E.

Ottestad, J. B.
Petzar, G. M.
Picciotto, R. A.
Poindexter, R. W.
Parten, K. M.
Pyle, W. D.

Robinson, B. Jr.
Rose, E. S. Jr.
Royce, D. F.
Royden, H. N.
Shauer, K. M.
Shaw, C. B. Jr.

DABNEY

DABNEY

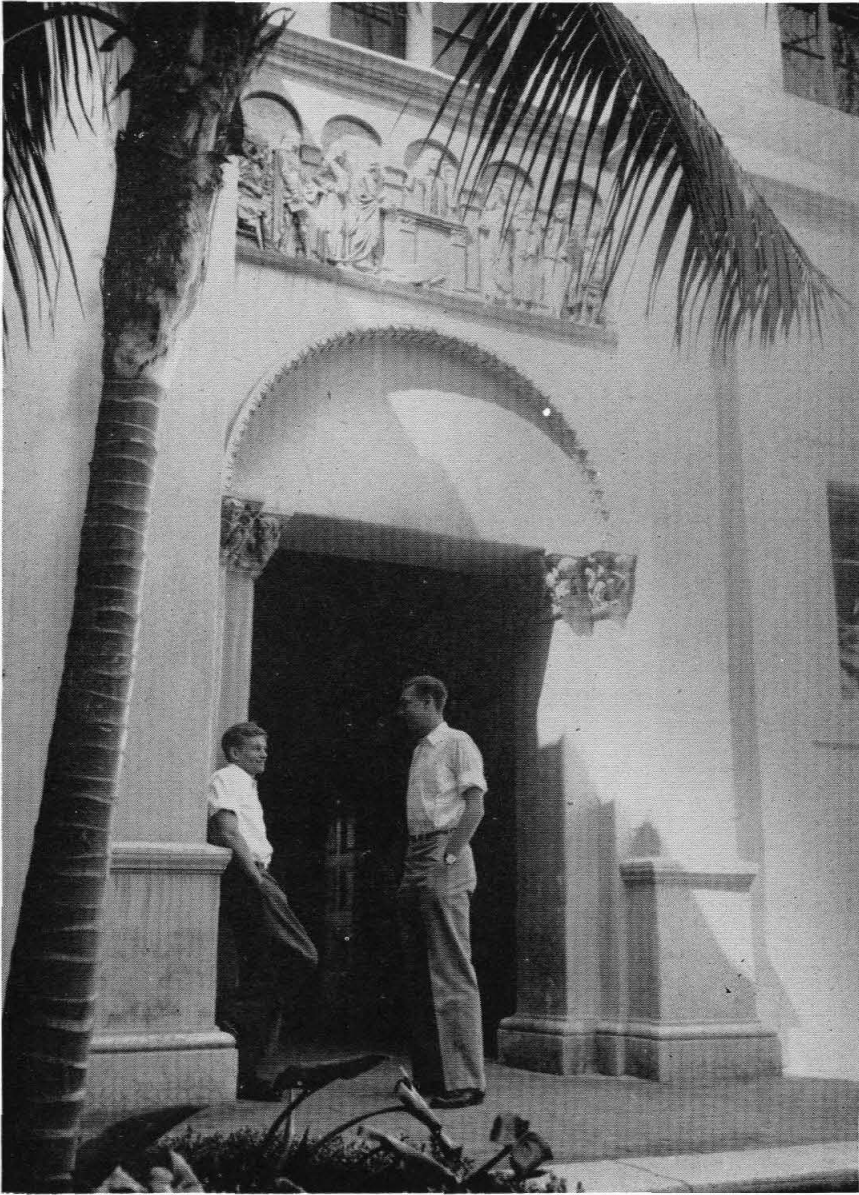


This year Dabney House has been among the top in every sport and many of its members have contributed to the success of the various varsity squads. Dabney is in a close second place in the interhouse trophy race.

The House basketball team took first place honors, thanks to the good team play of King, Dufort, Mason, Morrison and Moody. The football team suffered the loss of the star end Vrabec who broke his leg in the very first game. Mason and Auerbach coached the hardball team which placed second in the league. The steady pitching of Morrison and the fielding of Jarmie, King, Burkholder and Hedrick were major factors in the team's success. Ken Shauer produced a track team that took an easy second place. The Lilly Ski Meet had not been held when the Big T went to press, but with the school's ace skiers McDonald, Burroughs and Ward it seemed probable that Dabney would retain the cup for another year.

The Discobolus was won from Fleming by the tennis team of Lamson, Hamilton, Swerling, Wolf and Ottstadt. It was lost a few days later to Blacker in a hard fought water polo match. Eimer did a fine job coaching the team.





Sheathing their slide rules every weekend, the men and boys of Dabney dashed forth to play. Operating in every clime, the members frolicked in the snow, gambled in the Arroyo, and bounded on the beaches. Frequent dances held by the house added to the variety. The girls from Scripps, Pasadena J.C., Occidental, and U.S.C. all had their inning on the Dabney calendar. Highlighting the ingenuity of the program, Dabney sallied forth to the Pasadena department stores and invited the most comely lasses to the Department Store Dance held in the house lounge.

Dabney joined forces with Ricketts in the fall and Blacker in the winter to stage zestful barn dances where the members cavorted in red shirts and Dabney excelled in the flammers.

The semi-formals found the couples more resplendently clothed, but no more inhibited. The merriment and flammers continued. The Brentwood Golf Club, Pasadena Athletic Club and the Dabney court were the sites of these occasions and echoed to the sounds of Dabney revelry.

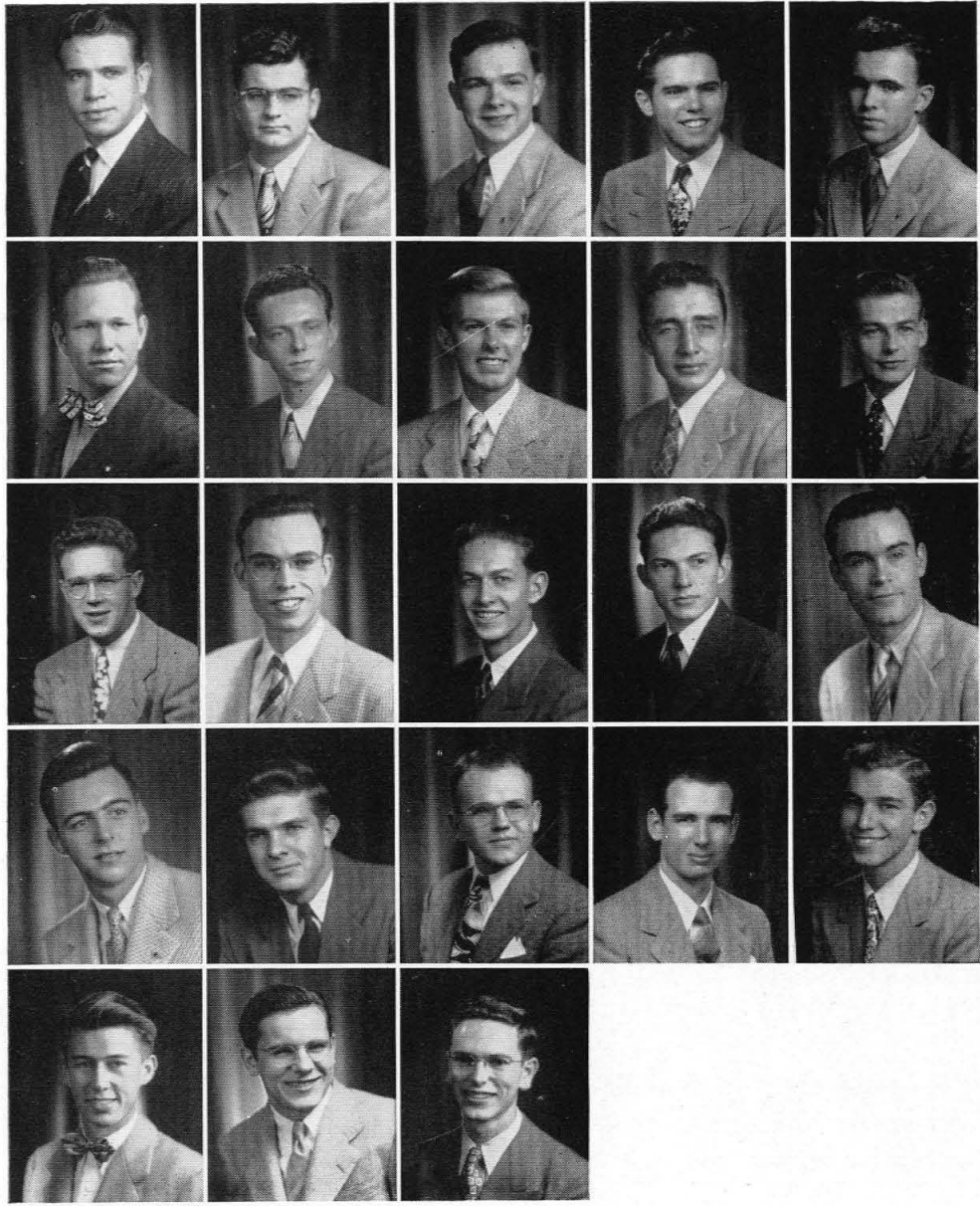
Picnics and beach parties filled several pleasant afternoons. Bystanders gaped as the motley crew herded their apple-cheeked, wholesome dates onto the beach for games. It was a great sight to see the pale, scrawny, study-worn bodies stretched upon their striped bedspreads.

Stag parties provided vicarious entertainment for all. A skit from life by the members of alley seven (who should know about it) won for them the coveted inter-alley trophy.

Whipped on by master reveler, Fullerton, the organization of events was carried out by the Dabney social committee: Henry Wheeler (cartographer extraordinaire), Chuck Auerbach (question and answer man), Hugh Carter, Dale Vrabec, and Dave Warren.

DABNEY





Shelton, F. H.
 Sherriffs, L.
 Shoemaker, E. M.
 Simons, W. H.
 Spellmann, R. A.

Steiner, F. A.
 Stewart, R. M.
 Stewart, R. M. Jr.
 Sweet, R. C.
 Sundsmo, A.

Turner, T. A.
 Van Deerlin, D. B.
 Walt, M. IV
 Ward, J. D.
 Warren, D.

Waters, R. R.
 Watson, H. T.
 Wheeler, H. O. Jr.
 Whittlesey, J.
 Wolf, F. J.

Woodson, W. L.
 Worrell, E. A.
 Young, J. D.

DABNEY





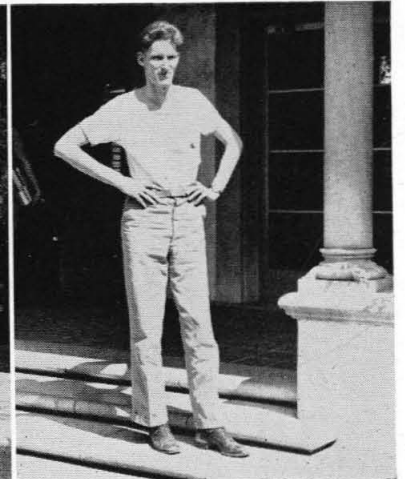
Looking back on the past year, Fleming can point with pride to her record of the first year of her existence since the war. Starting last September without any form of organization and with a majority of the men living in the house as total strangers, Fleming quickly reorganized around a small nucleus of old members. Being the last of the student houses to reactivate, Fleming's past position in athletics and social activities was jeopardized, but the house mantel again possessed all but one of the available trophies.

Not only excelling in athletics, the house showed herself to be active in other fields by capturing the Lincoln Debating Trophy which Blacker has held for the last sixteen years. The house was also active in student body affairs, being represented by Norm Lee as Vice-President of the ASCIT and Paul Saltman as Athletic Manager.

The house was extremely fortunate in having Neville Long, a former house member, as resident associate. His guidance and advice on house policy during the reorganization period was invaluable. Officers for the year were: Dean Johnson, President; Bob Stokely, Vice-President; Tom Stix, Secretary; Bob Funk, Treasurer; Kirk Lewis and Will Schaafsma, co-Athletic Managers; Barry Schuyler, Entertainment Chairman; Vince Honnold, Social Chairman; and Vern Edwards, Frosh Chairman.

Johnson

Stokely



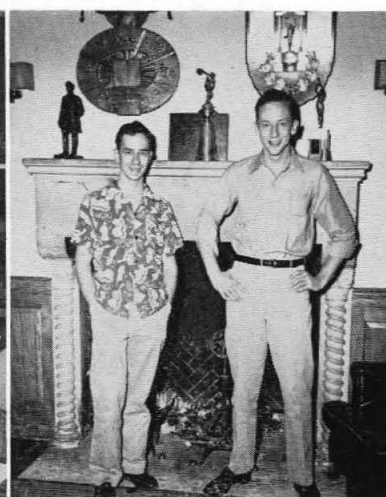
FLEMING



Stix



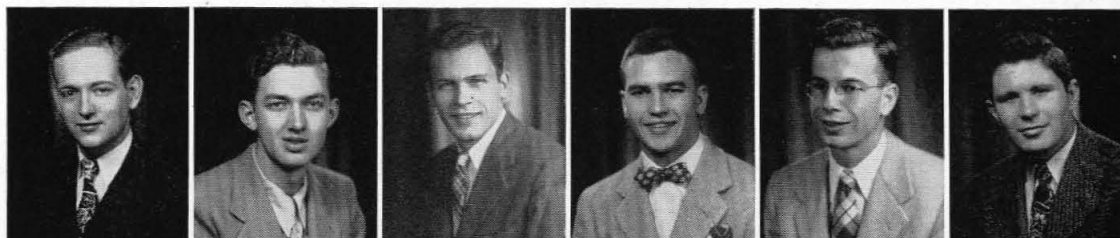
Funk



Lewis Schaafsma

FLEMING

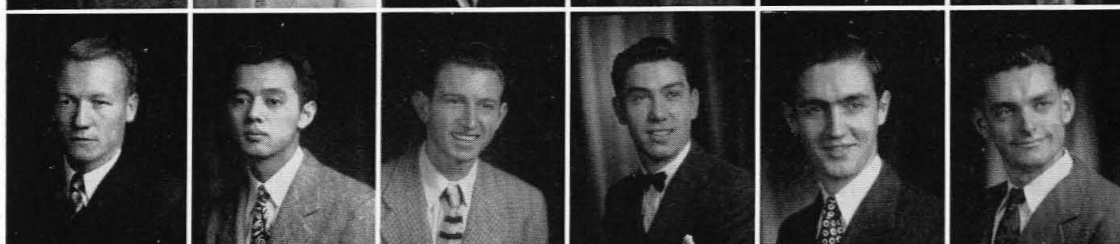
- Adams, C. H. Jr.
- Anderson, C. A. Jr.
- Austin, G. A.
- Baker, D. R.
- Barnes, S. M.
- Barrie, D. S.



- Belyea, R. C.
- Bennett, D.
- Bible, R. E.
- Boutelle, G. W.
- Bowen, G. H. Jr.
- Brown, D. R.



- Brown, E. J. Jr.
- Chinn, E. K. C.
- Cootes, W.
- Cowan, E. J.
- Cox, W. P.
- Davenport, G. L.

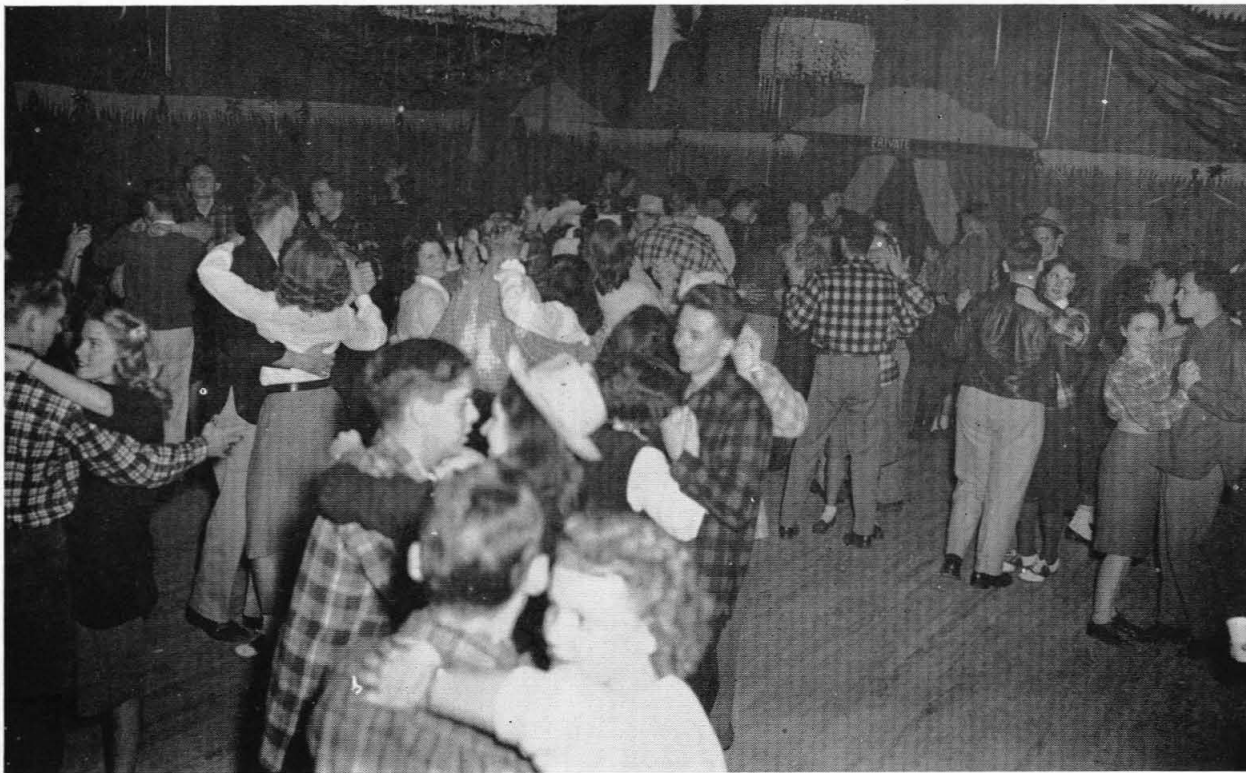


- Davis, J. R.
- Davis, R. L.
- Edwards, V. A.
- Englar, C.
- Eschner, A. Jr.
- Fairall, R. S.



- Funk, R. B.
- Furth, D. H.
- Glover, P. N.
- Hammerle, W. G.
- Hammond, K. J.
- Harris, W. N.





Under the direction of Barry Schuyler, entertainment chairman, Fleming started out the fall term with post-football game record dances in the lounge. The popularity of these dances was attested by the long stag-lines from all the houses. The big dance of the first term was the Interhouse Dance with Sadie Hawkins Day as the theme, followed by the traditional Fleming-Ricketts Barn Dance — a dance which proved to be one of the more “flowing” social functions of the year. The Fall formal in December was a great success, drawing even most of the snakes from their cubicles. Interspersed with these dances were several successful exchange dances with PJC, Oxy, Scripps and the Pasadena Playhouse.

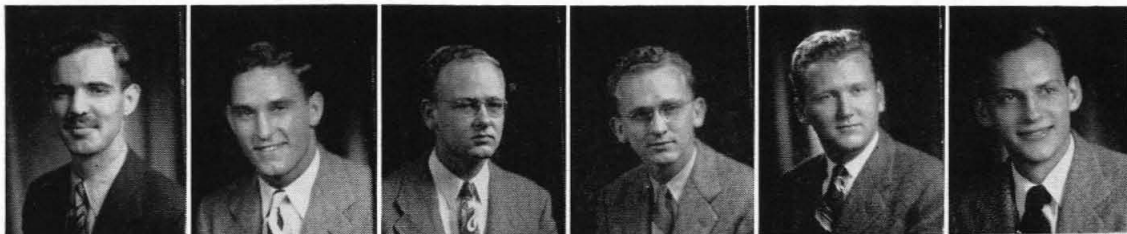
The new year started off with a ski party to Snow Valley (a very cozy affair), followed by the winter formal, complete with steak dinner and floor show, high up in the Altadena hills. With the advent of spring, many beaches were populated with Fleming men every week-end. In addition to several record dances in the lounge, the highlights of the spring term were the spring formal and a trek to Catalina for a week-end beach party, an old house tradition that was revived by popular demand.

FLEMING



FLEMING

Harrison, S. R.
Hibbard, D. E.
Holditch, G. S.
Holditch, J. E.
Holtby, K.
Honnold, V. R.



Housman, H. B.
Inman, J. K.
Johnson, C. D.
Johnston, H. F.
Keese, O. J.
Knudsen, C. M.



Larsh, A. E.
Lee, N. R.
Lewis, H. K.
Long, D. V.
Lovelace, D. E.
Lyon, G. W.



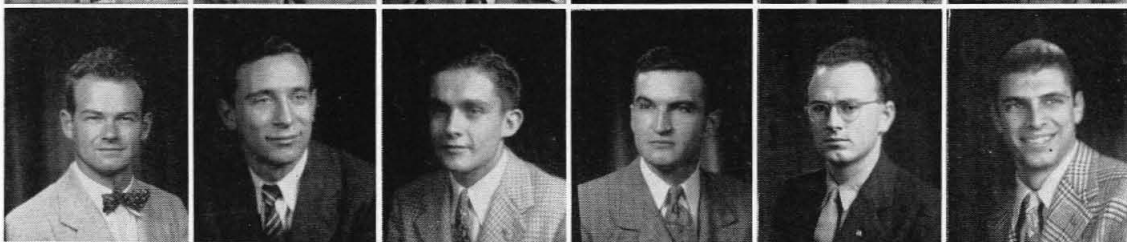
MacGinitie, W. H.
Machetanz, F. A.
Madden, D. W.
Moffat, J. P. Jr.
Mones, J. A.
Montgomery, J. A.



Mudgett, W.
Murphy, C. G.
Myers, R.
Myers, R. J.
Nicolai, F. H.
Norman, C. A.



Price, C. A.
Proud, W. H.
Quandt, R. L.
Ragon, R. B.
Ross, L. W.
Saltman, P. D.

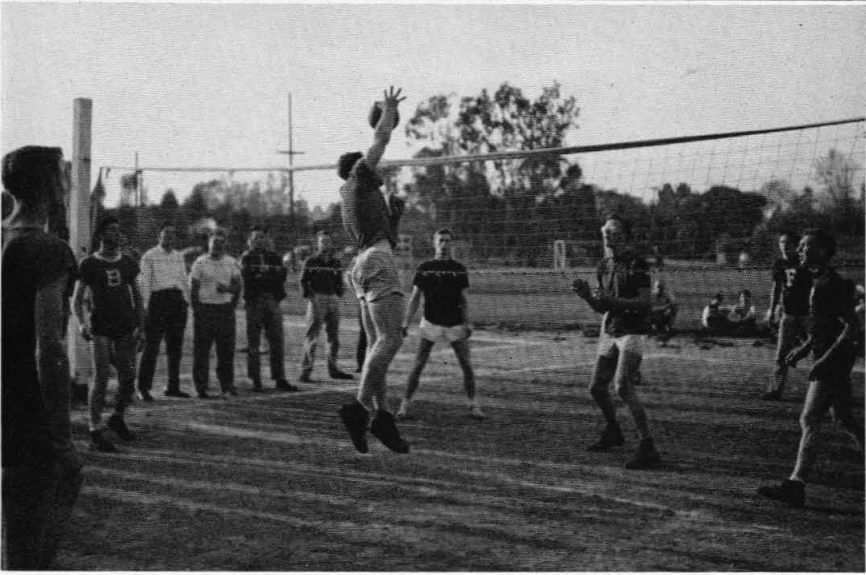


Scantlin, J.
Schaafsma, W.
Schroeder, D. C.
Schroeder, H. W.
Scull, J. R.
Seiden, W.



Sellen, J. M. Jr.
Shaller, C.
Shore, B.
Singer, I. M.
Smith, F. A.
Smoot, R. N.



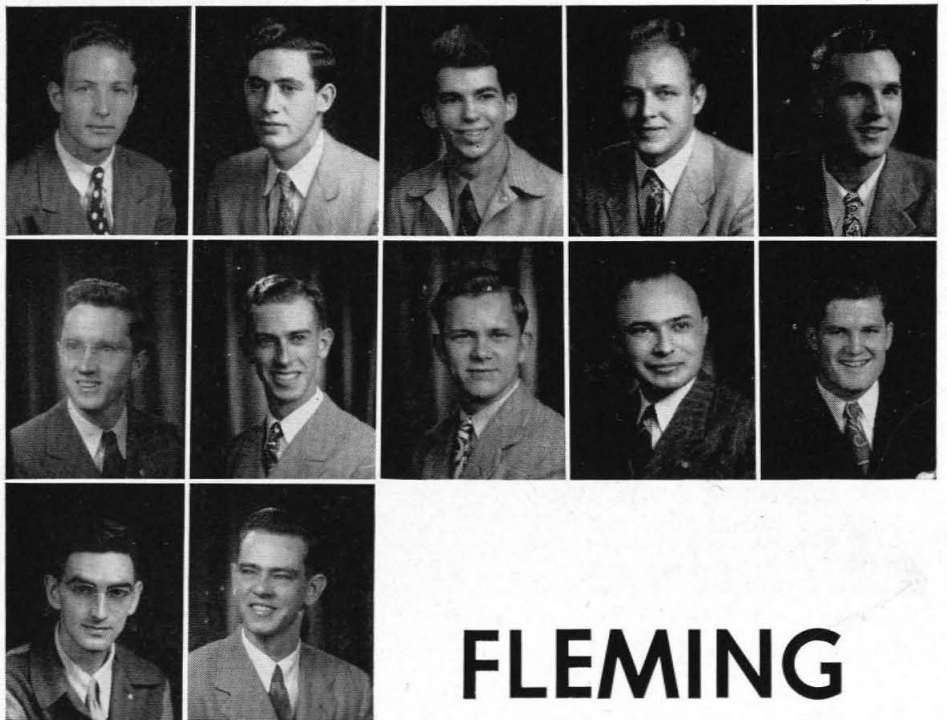


Returning from the war with even greater athletic vigor, Fleming immediately returned to its traditional athletic supremacy. The Big Red team took an early lead in the race for the Interhouse trophy and was never headed, retaining the "Old Lady" for the eleventh consecutive year. Participation reached an all-time high in Interhouse competition as evidenced by the awarding of house letters to over fifty men. Competition for the Discobolus was also keen, the high point in the rivalry for the trophy being attained in the now famed soccer victory by a supposed underdog Big Red team over the highly touted Ricketts team on the blood-soaked field of Tournament Park.

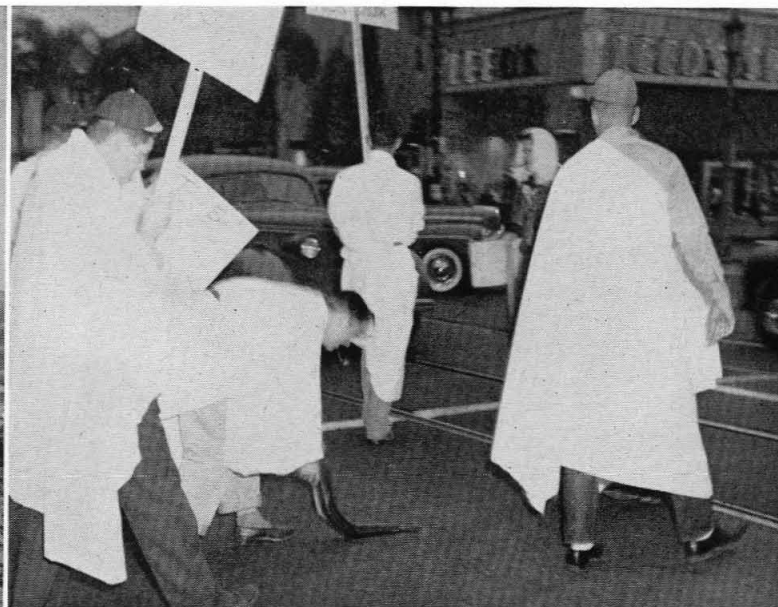
Stein, R.
Stix, T. H.
Stonerod, D. C.
Stuck, R. D.
Terriere, R. T.

Thomas, L. A.
Utschig, R. H.
Vieweg, A. F.
Walance, C. G.
Walquist, R. L.

Whiting, G. J.
Woods, W. C. A.



FLEMING



Fleming's representation in intercollegiate sports kept the varsity competition trophy hanging over the mantel. Outstanding among the fifteen varsity footballers were Hibbard, Funk, Bass, Walquist, the two Longs, Lee, co-captain. In basketball, "Bald" Saltman, Bass, Montgomery, "Red" Furth, "Dirty" Bill Cox, and Captain Harry Moore consistently numbered in Tech's starting lineup. Two of the mainstays of the cross-country team were Stan Barnes and Doug Brown. The track team was also ably supported by Fleming men, with Schroeder, Brown, "Smooth Boy" Bennett, Chin, Schaller, and Madden but a few of the thin-clads. Fleming's contribution to the baseball squad included Norman, MacGinitie, and Lyon. The house was ably represented in swimming by Captain Murphy, Schaafsma, Harris, and Montgomery.

Also athletic, but in a different and more compulsory nature, was the renewal of the traditional Fleming frosh initiations—a series of events that the frosh will long remember. Sparkplugged by "Wild" Bill Boutelle, Paul Saltman, pledge master, and Kirk Lewis as Pope Tripod, the frosh put on an amazing exhibition of physical endurance and agility as shown in the mighty egg-rolling contest and the famous "Holy Mackerel" surveying expedition.

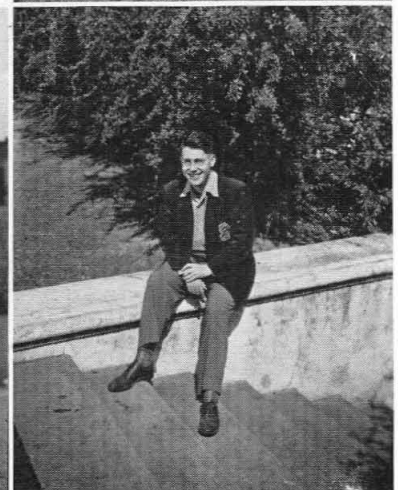
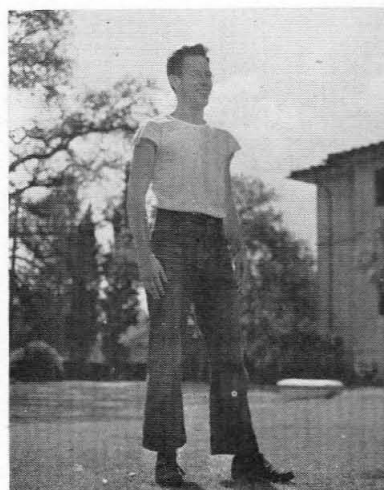
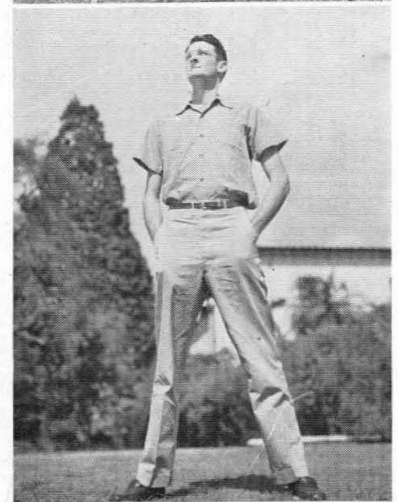
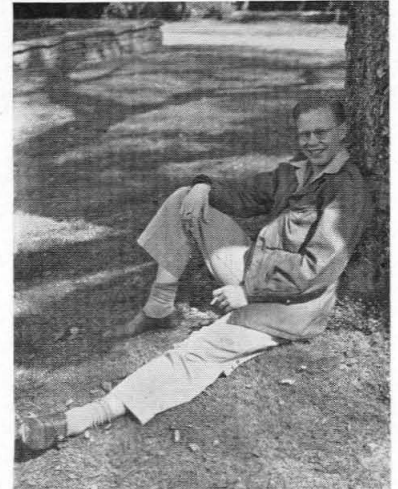
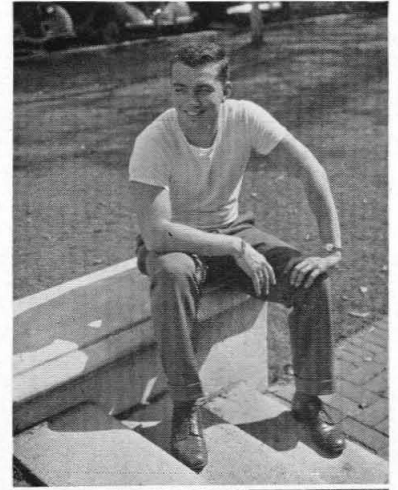
FLEMING





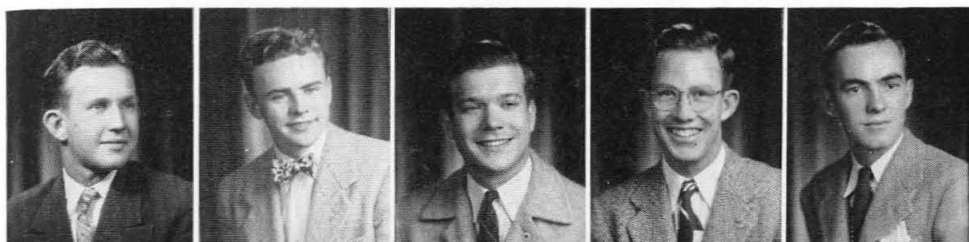
Getting back into its pre-war status, Ricketts again became active in the social activities and athletic affairs of the campus. The Ricketts men made it increasingly evident why they are called the "Rowdies" in bringing back many of the house traditions, among them the forever wandering brake-drum and the fondness of all true Ricketts men for water. These traditions were responsible for the Freshmen getting soaked while praying for rain with the able "Pastor" Stone presiding, and several full scale riots between the frosh and sophs over the brake-drum.

Resident Associate of the House this year was Paul "Bomb-Proof" Engelder. The elected officers of the House were: President, Joe Rosener; Vice-President, Bill Shippee; Secretary, Bob Dalton; Treasurer, Don "a new tire a month" Granicher; Athletic Managers, Tom Petrulas and Don Peterson; Keeper of the Morals, "Blackie" Stone; and House Librarian, Clete Sutter.

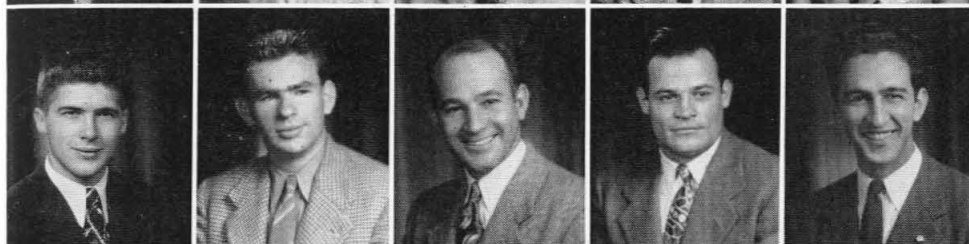


RICKETTS

Left: Peterson. Top to bottom: Rosener, Shippee, Dalton, Granicher



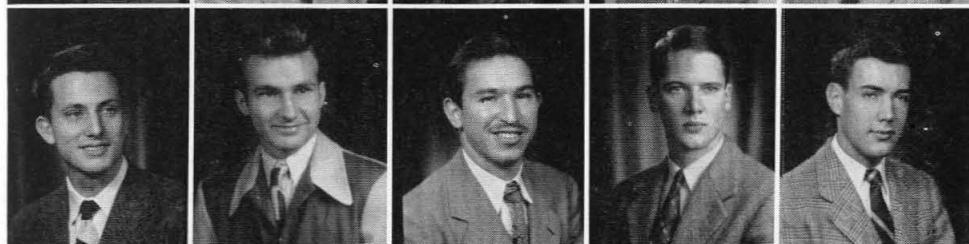
Allen, A.
Anderson, R. A.
Andres, J. M.
Armstrong, D. L.
Asquith, D. O.



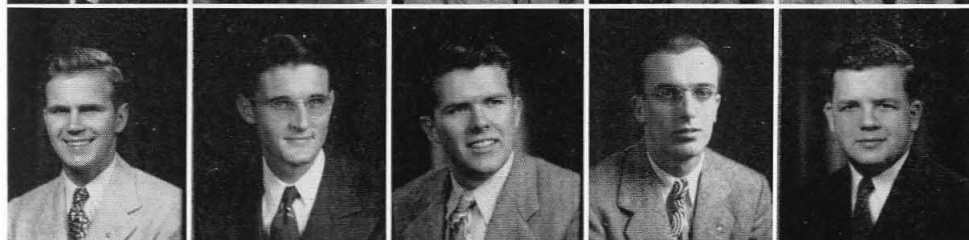
Bailey, W. H.
Baugh, H. W.
Benton, B. H.
Blair, J. M.
Biocourt, S. C.



Bowen, T. M.
Bradley, W.
Bratton, D. W.
Breiman, L.
Browne, D. Jr.



Butler, S. B. Jr.
Carus, M. B.
Check, A. J.
Conrath, P. R.
Crichton, E. B.

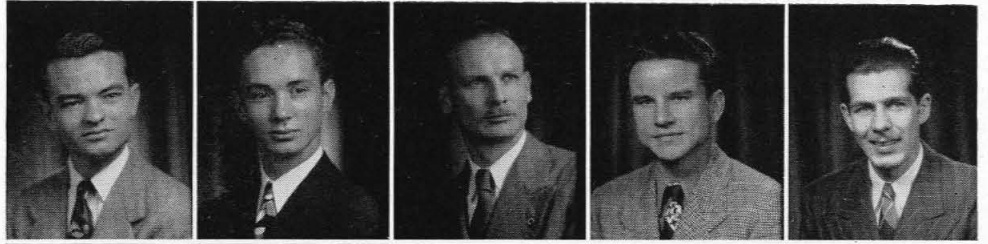


Dahm, L. P.
Dalton, R. D. Jr.
Darrow, R. A.
Drapes, A. G.
Dunbar, E. E.

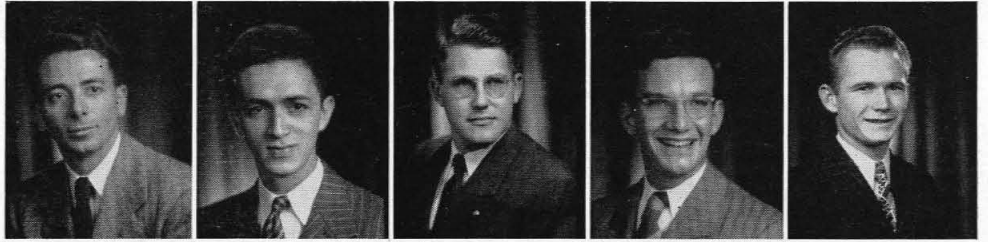


RICKETTS

Durham, D. L.
 Fay, A. P.
 Fehrenbach, J. J.
 Forester, C. F.
 Fox, C. E.



Gardiner, K. W.
 Garvil, B. D.
 Granicher, D. I.
 Greene, J. M.
 Greene, R. C.



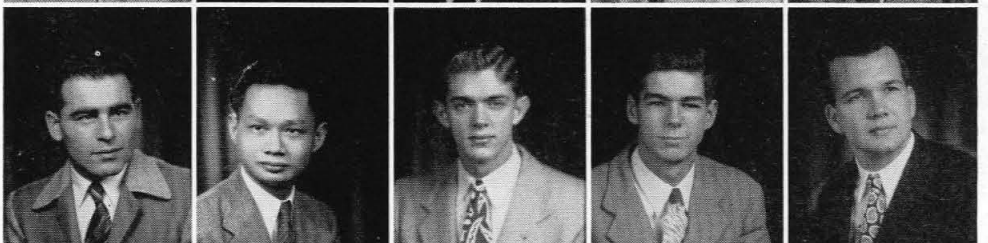
Haefliger, W.
 Haufe, R. C.
 Hogness, D. S.
 Holm, H. K.
 Holser, A. F.



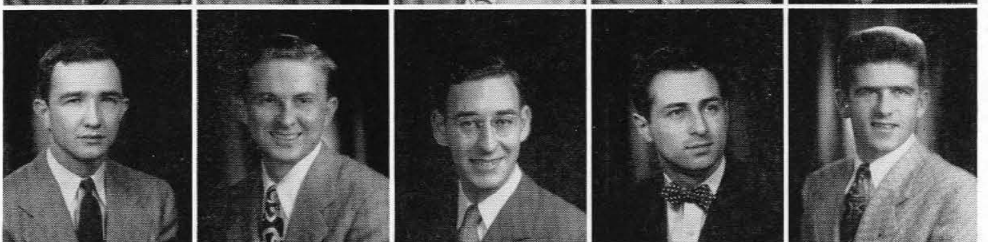
Houser, B. C.
 Howard, P. J.
 Hummel, J. A.
 John, W.
 Johnson, R. C.



Kachadoorian, R.
 Khaw, K. H.
 King, D. W.
 Lewis, H. B.
 Lord, R. J.



Malone, J. D.
 Markowitz, I. L.
 Marks, M. L.
 Mehl, R. M.
 Meier, D. J.



Mon, D. D.
 Myers, W. M.
 Oakley, D. C.
 Opperman, D. R.
 Otto, D. W.



Peterson, D. W.
 Petrulas, T. G.
 Pilling, R. R.
 Rider, J. L.
 Roberson, H. L.



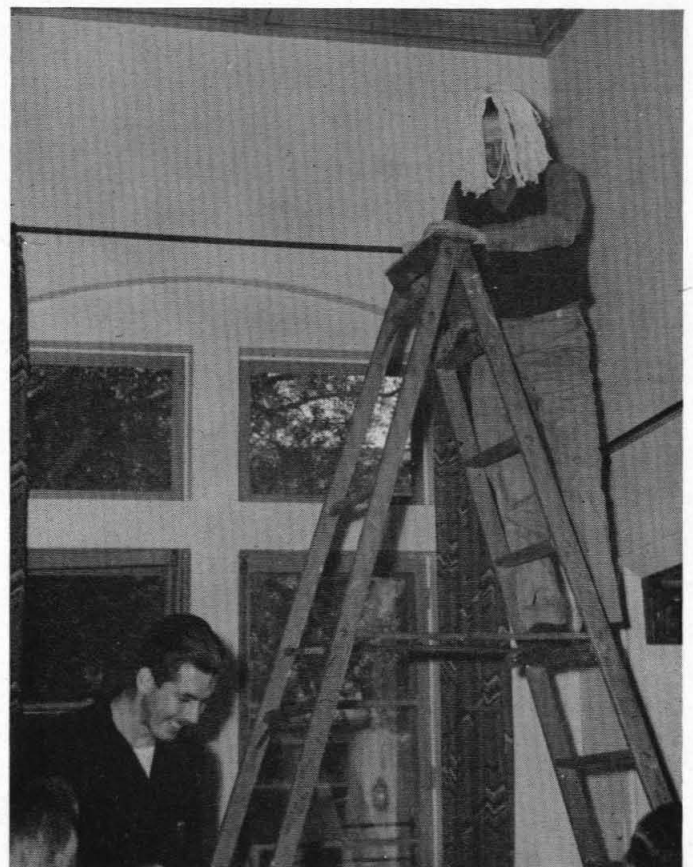


RICKETS

First, under the leadership of Tom Petrulas as athletic manager, and then under Don Peterson, Ricketts House has made a determined effort to capture the Interhouse Trophy. Teams better than the average have been fielded in most sports, but at the present time Ricketts stands in third place in the contest. During the course of the year, the Discobolus has paused in its wanderings for short tastes of the Rowdies' hospitality.

The best showing in sports by Ricketts was made by the powerful, tough football team which tied for first place with Fleming. Good showings were also made by the softball and basketball teams.

A feature of all Ricketts House contests has been the spirit displayed by both players and spectators, much of the spectator pep coming from the Freshman class who always eagerly accepted their invitations to be on hand at the games.



RICKETTS

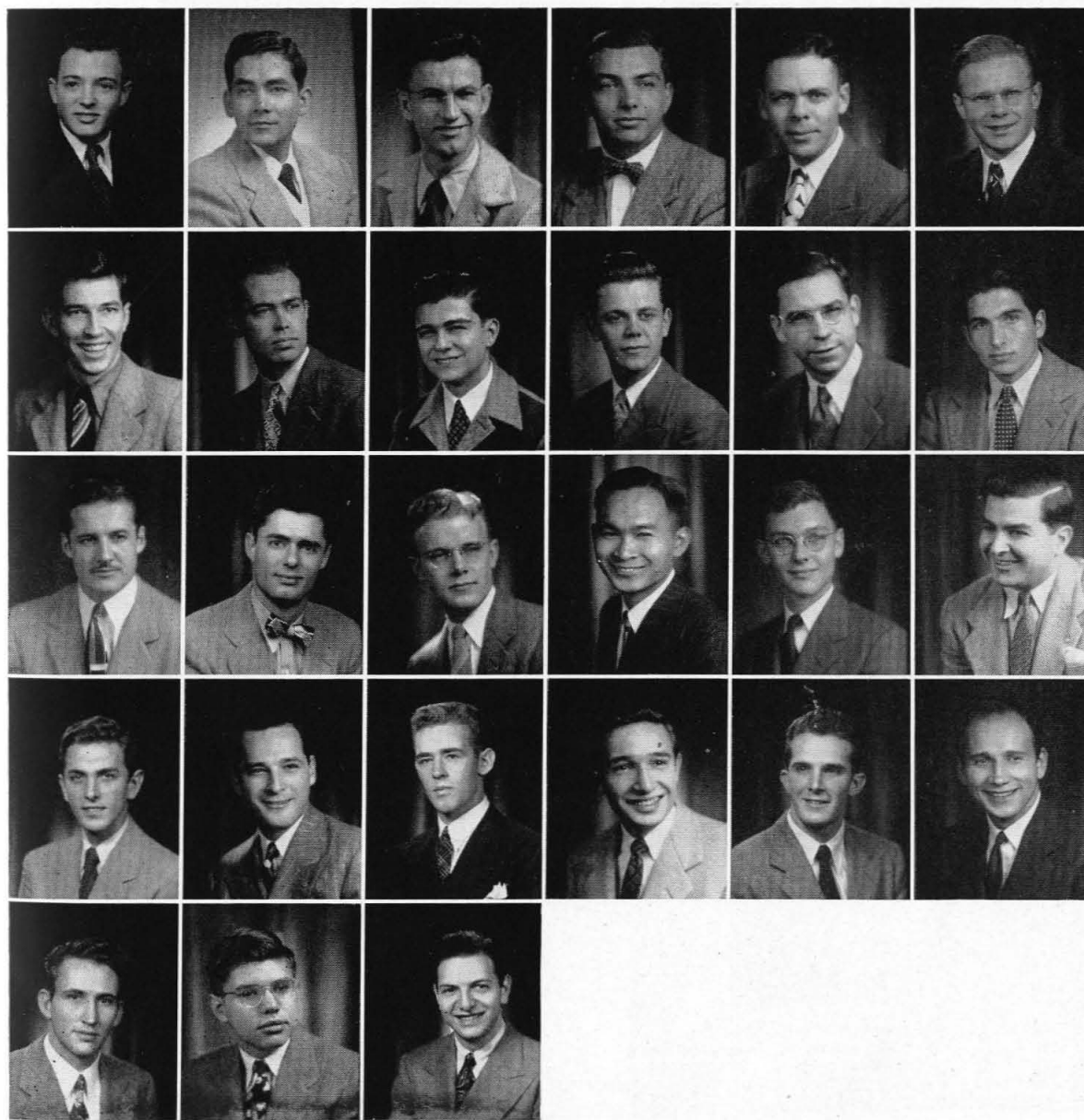


Ricketts has returned this year to its old form in presenting numerous successful and outstanding social events. The Rowdies showed a form hard to beat in the "Crew Races" at its barn dances with Dabney and Fleming. The dark tropical setting for the Interhouse Dance with Hal Lomen's music was the favorite of many couples. The final dance of the first term was a combination of Fleming-Ricketts Formal Dance. Unable to make suitable arrangements elsewhere, the two houses divided the dance between the two lounges. Everyone was pleased to discover that a swell time could be had "at home."

After a warm-up record dance, Ricketts opened up its second term program with a well-attended barn dance with Fleming. The Ricketts crew had things under control all the way. Everyone enjoyed the dancing to Rod Rodriguez's band. February 14 found Ricketts and Throop Club enjoying a Valentine Dance in Dabney Hall lounge with attractive decorations engineered by Ricketts chief decorator, Bob Houfe. The final event of the second term was the house formal at the Altadena Country Club. The dinner preceding the dance was well attended and many more couples arrived for the dancing, which was accented by the versatile "Rod" turning in an evening of very smooth music.

Third term sees a new group of officers take over determined to promote even better social events, and make Ricketts men the social lions of the campus.

RICKETTS



Roe, G. W. Jr.
Romero, M. A.
Root, W. H. Jr.
Rosener, J.
Shenfil, L.
Shippee, W. H.

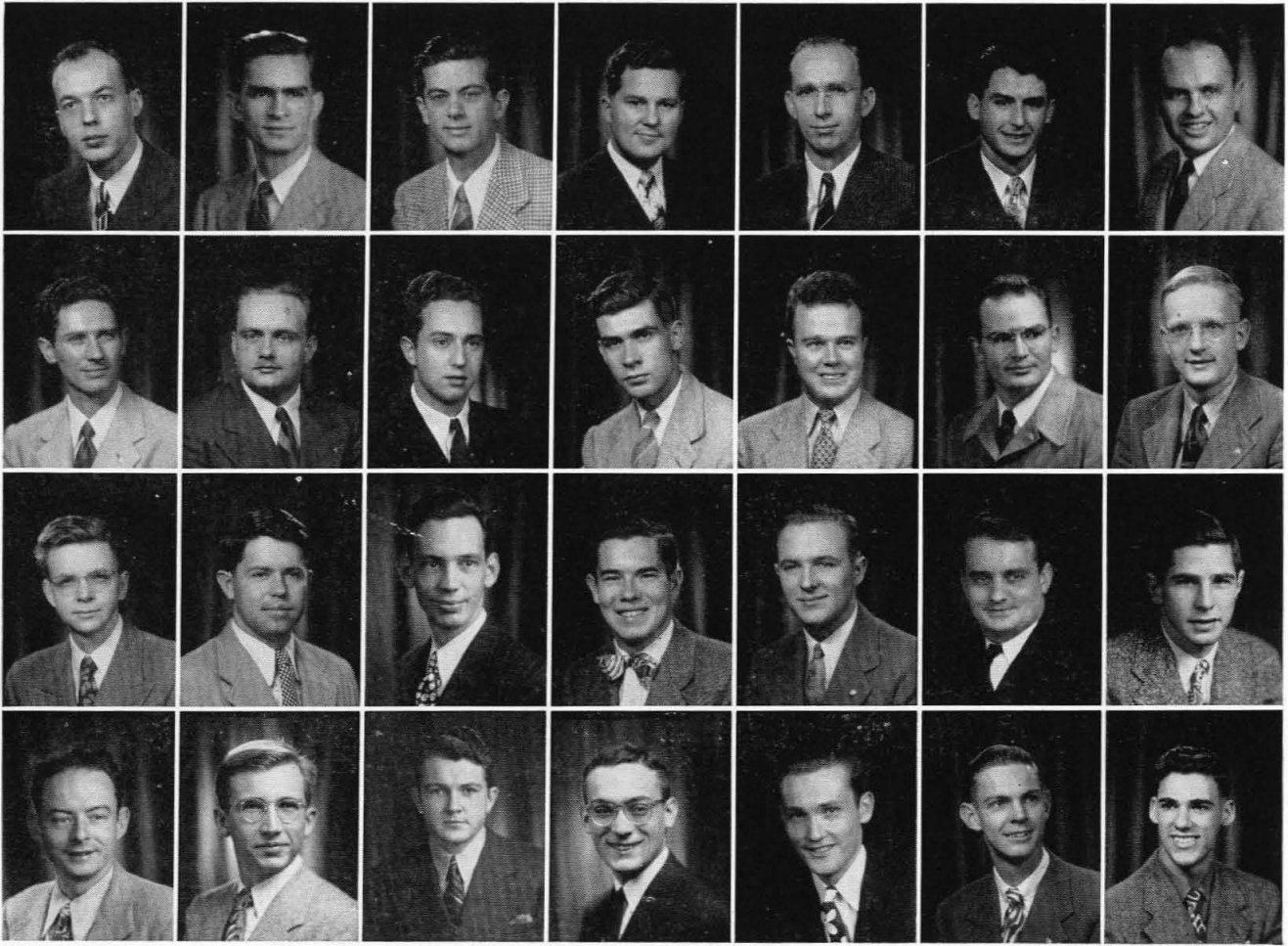
Smith, J. W.
Smith, J. S.
Sprecher, M.
Stiles, S. G.
Stone, R.
Streaker, H. A.

Terminel, R. S.
Thorpe, J. Jr.
Tracy, T. W.
Vadhanapanich, C.
Van Lint, V. A. J.
Viglierschio, D. R.

Vogel, M. C.
Wechsler, J. W.
Wilcox, J. R.
Winchester, R. L.
Woodward, G. W.
Worcester, B. A.

Wright, H. W.
Wright, R. B.
Zwick, S. A.

THROOP



Top row: Allen, J. S.; Anderson, R. M.; Bagley, A. S.; Barlow, G. C.; Bayley, R. M.; Benton, A. R.; Blight, A. F. Jr.

Second row: Booth, G. B.; Brady, F. H.; Buck, R. P.; Bulkley, E. O.; Christopherson, W. A.; Critchlow, A. J.; Dixon, W. J.

Third row: Famularo, K. F.; Fletcher, T. C.; Froehlich, J. E.; Gibbins, S. G.; Greer, P. H.; Grimm, L. L.; Haas, W. M. B.

Fourth row: Hatcher, D. S.; Hawthorne, R. G.; Herndon, R. J.; Hipsh, H. M.; Hodges, M. E.; Humphrey, F. B.; Jennings, D. B.

Froelich



Benton





Harris



McDougall

Throop Club is the center of the off-campus social life. It is composed of graduate and undergraduate non-resident students. During the war Throop Club went into eclipse, and only recently has it regained its pre-war status. The difficulties of bringing together a group of scattered men into one compact unit presented a real challenge to the officers. Many of the old traditions had long been forgotten. However, during the first post-war years under the able leadership of President Jack Froelich, Throop Club has regained much of its previous standing as one of the most active organizations on the campus.

The officers for the year were Jack Froelich, President; Robert Benton, Vice-President; Paul Harris, Secretary; and Charles McDougall, Treasurer. This coming year will see Bob Benton, President; Jerry Mathews, Vice-President; John Vrolyk, Secretary; and Gene Mooring, Treasurer.



Knight, W. L.
Koch, A. C.
Kofahl, R. E.
Kohl, J. L.
Kreml, W. J.
Lane, J. F.

Lawrence, H. J.
Lesovsky, R. V.
Lieberman, D. A.
Lund, LeVal
Martel, H. C.
Martinek, G. A.

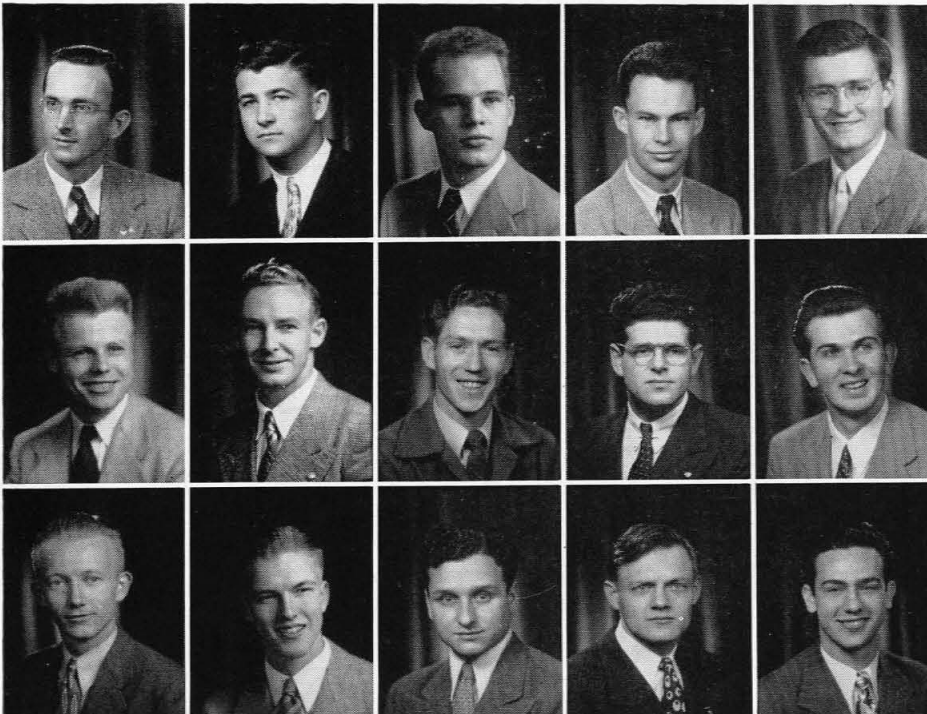
Mathews, J. O.
Maurus, R. A.
McDougall, C. H.
McLellan, A. E.
Merrifield, D. P.
Moore, D. W.

CLUB

An extensive social calendar for the year began at Throop Club with the phenomenally successful traditional stag party. As the football season unfolded, record dances were held in the big Throop Club lounge after each of the "home" games. An exciting exchange dance which filled the club lounge to capacity was held with Oxy, and a few weeks later formal Freshman initiation took place at a dinner meeting. The New Year was brought in with plenty of noise from the members and their dates at a gala New Year's Eve party.

As the second term progressed, members enjoyed the informal atmosphere of a bowling party, and the traditional Ricketts-Throop affair presented itself in the form of a Valentine's Day dance held in Dabney Lounge.

THROOP CLUB



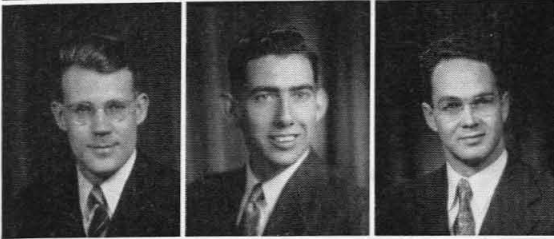
Mooring, E. C. Jr.
Muehlberger, R. P.
Muller, D. E.
Odgers, I. L.
Ogier, W. T.

Parkin, B. R.
Pascoe, L. A.
Payne, P. G.
Podell, H. L.
Powell, D. O.

Rasmussen, C. F.
Rasmussen, J. O. Jr.
Rypinski, C. A. Jr.
Satre, L. H.
Savant, C. J. Jr.



Schetne, H. A.
Selleck, F. T.
Shiells, J. F. Jr.



Sinclair, C.
Stewart, D. Jr.
Strain, D. C.

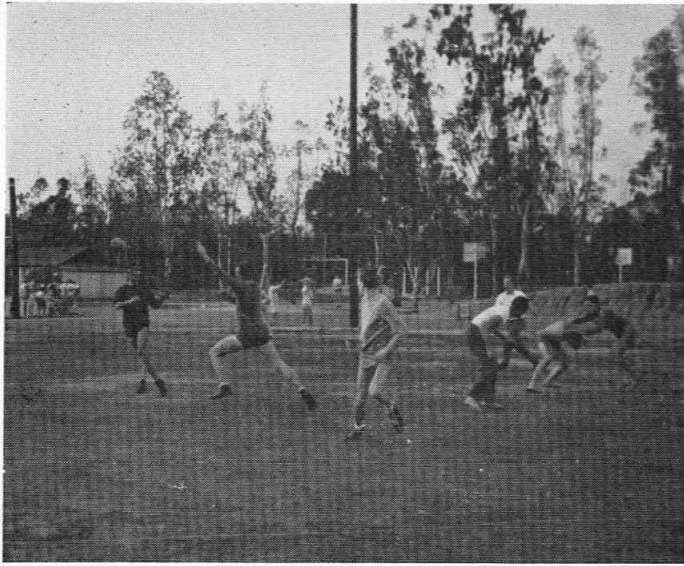


Stubbins, R. L.
Tarbel, B. D.
Vrolyk, J. J.



Waters, A. E.





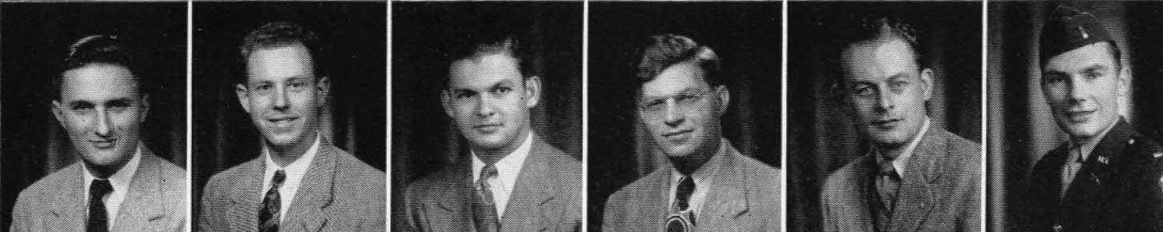
Throop club has always shown much enthusiasm in sports. It is usually quite hard to coordinate a group of non-resident students, but Throop did it in baseball, in which it almost won the championship. Throughout the entire season Throop has had a team for every event. Turning to a softer side, Throop retained the Interhouse Bridge Trophy on its huge lounge fireplace mantel for many months.

The future promises to hold many favorable developments in view of the talent which can be mustered for these various events.



THROOP CLUB

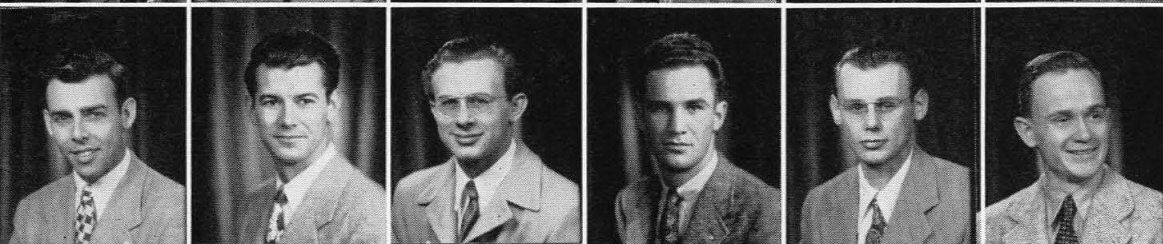




Anderson, R. G.
 Archer, W. E.
 Bearson, R.
 Beder, E.
 Beymer, E. H.
 Bezdecheck, W. D. Jr.



Billheimer, J. S.
 Blair, E. W. Jr.
 Blink, R. L.
 Bowerman, F. R.
 Brachfeld, J.
 Breece, R. K.



Brown, G. J.
 Brueggemann, H. P.
 Calhoun, W. D.
 Chaffee, G. A.
 Clark, H. E.
 Clark, P. T.



Conner, W. M.
 Crafts, C. A.
 Darling, R.
 Davis, W. K.
 Dayman, B. Jr.
 Demuth, O. J.



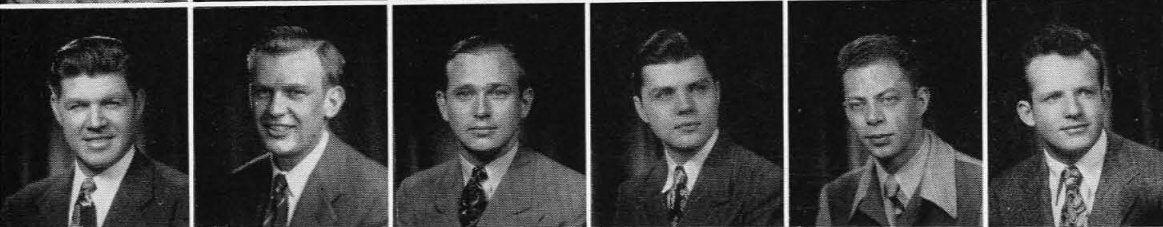
Deniston, J. J.
 Denney, J. M.
 Earle, G. W. Jr.
 Eggenberger, B.
 Eller, A. L.
 Emerson, F. M.



Erickson, R. A.
 Fisher, R. L.
 Freebairn, D. L.
 George, A. N.
 Gerhart, J. B.
 Gift, M. F.



Hale, C. D.
 Hammermister, O. E.
 Hamming, W. J.
 Harrison, J. W.
 Hauger, H. H. Jr.
 Herzog, L. F. II



Holly, D. H.
 Holmgren, J. D.
 Hughes, J. D.
 Johnson, G. M.
 Johrde, R. A.
 Jones, B. C.

Every campus has its "Barbs" (short for Barbarians), men who belong to no fraternal organization. At one time at Tech "Barb" and "Snake" could have been used as synonyms, for the only men who failed to join Throop Club or one of the Student Houses were those with no interest in life other than their grade-point averages. Today, such is far from being the case. Our unorganized men are for the most part men who are married, have homes in the immediate vicinity, or for other good reasons feel they find an adequate social life without the campus organizations. The major difference between these men and the prewar breed is the great interest so many of them have in student affairs. One of them, Len Herzog, was elected Editor of the California Tech for the coming year.



BARBS

Kendall, R. M.
 Kenney, J. T.
 Kermeen, R. W.
 Kidder, P. H.
 King, R. I.
 Kindel, J. F.



Kreston, M. S.
 Kuhn, H. W.
 Lanz, W. T.
 Lehr, C. K.
 Lewis, J.
 Lilienthal, D. M.



Linam, P. A.
 Locanthi, B. N.
 MacAlister, R. S. Jr.
 Martin, J. E.
 Mason, H. A.
 Matzdorff, R. E.



Mays, J. M.
 McClure, G.
 McEuen, A. H. Jr.
 McKenna, G. W.
 McPhate, J. A.
 Mitchell, O. L.



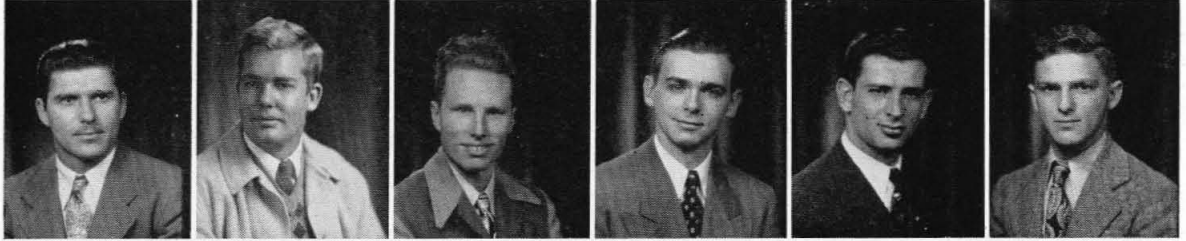
Moran, S. F.
 Morgan, G. R.
 Morrison, R.
 Mullen, J. K.
 Orr, C. B.
 Paine, W. O.



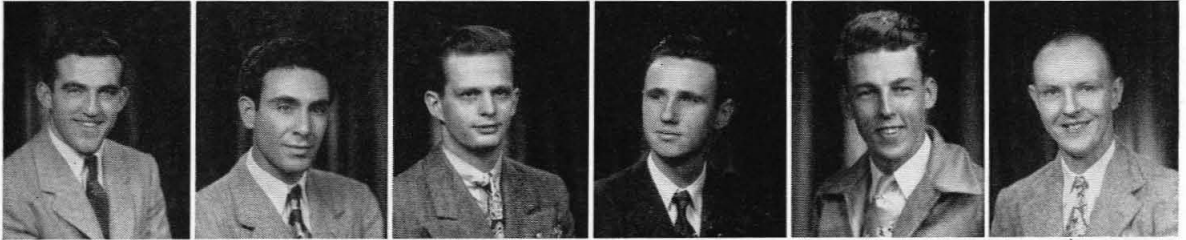
Parker, R. E.
 Pickrell, D. H. Jr.
 Platt, A. E.
 Poole, G. C.
 Quirmbach, C. F.
 Reber, J. J.



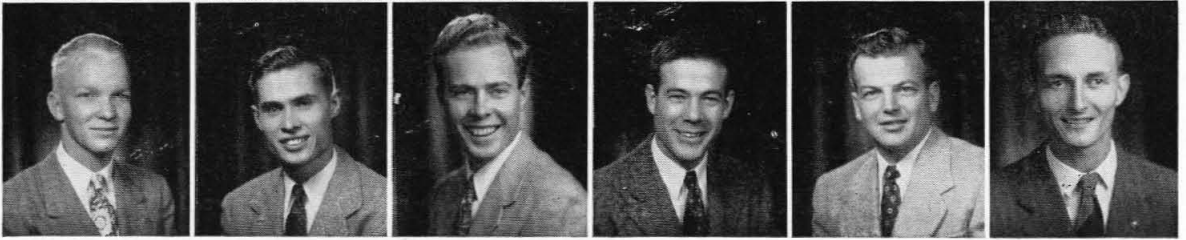
Revay, E. A.
 Richeson, W. Jr.
 Riedel, J. C.
 Roehm, R. M.
 Rose, T. W.
 Rudin, B. D.



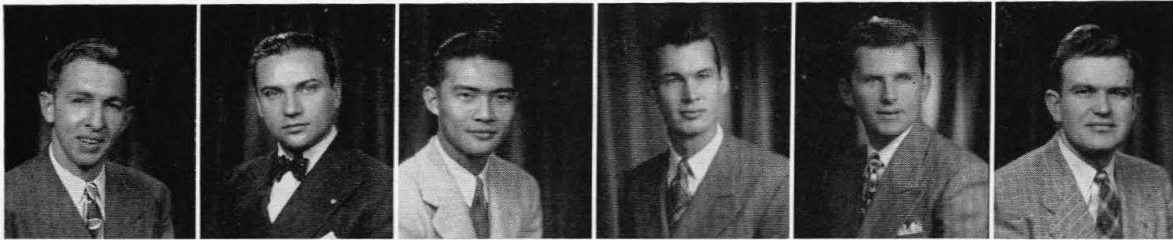
Rumer, W. I.
 Rutkin, B. B.
 Schneider, L. J.
 Shaw, C. M.
 Shipway, G. D.
 Silliker, D. L.



Sims, V. J. Jr.
 Six, G. D.
 Six, L. D.
 Spooner, M. E.
 Stert, R. L.
 Sturdevant, C. R.



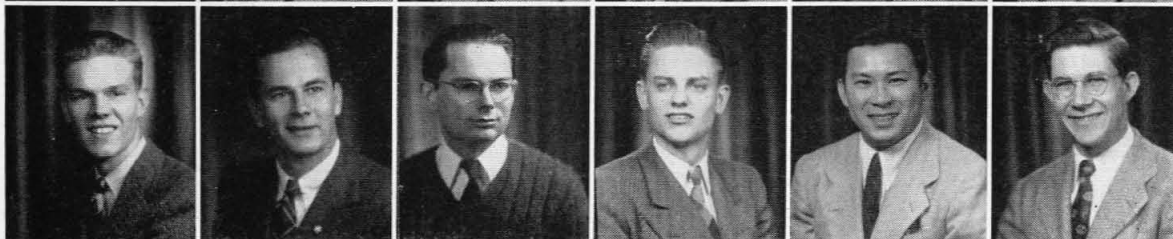
BARBS



Sullivan, F. D.
 Susskind, C.
 Tang, K. K.
 Tasker, R. B.
 Walker, R. L.
 Wanlass, S. D.



Weeks, A. D.
 Weisbord, S.
 White, J. L.
 Wiggs, J. S.
 Wilkinson, D. P.
 Williams, J. K.



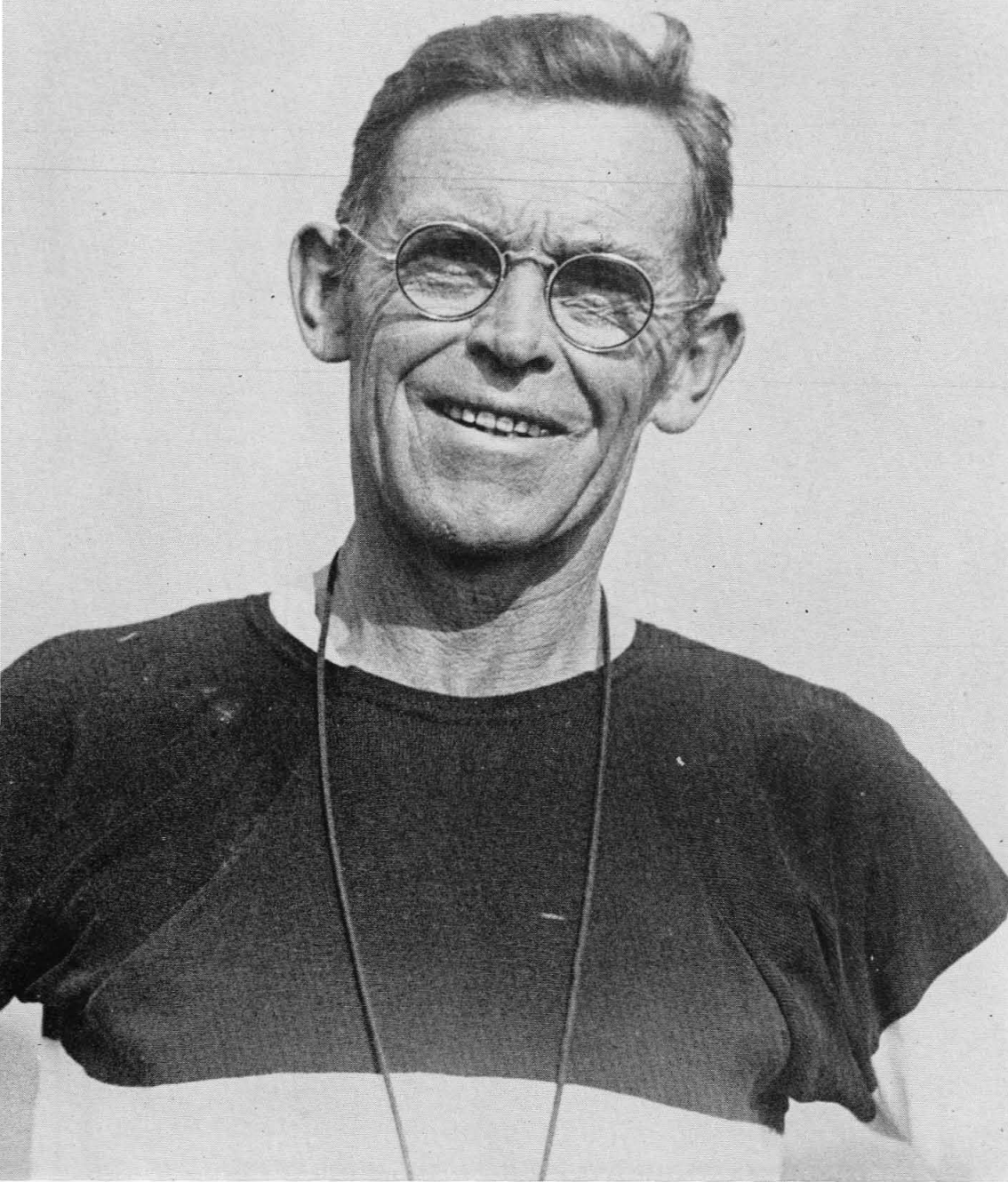
Wilson, T. N.
 Winters, E. B.
 Woodbury, E. J.
 Woodbury, H. H.
 Wong, A. K.
 Youtz, B. L.



Zacharias, R.



ATHLETICS



FOX STANTON

Coach W. L. (Fox) Stanton, football and track coach at Tech from 1921 until 1941, passed away at the home of his son in Olympia, Washington, on Thursday, November 27, 1946.

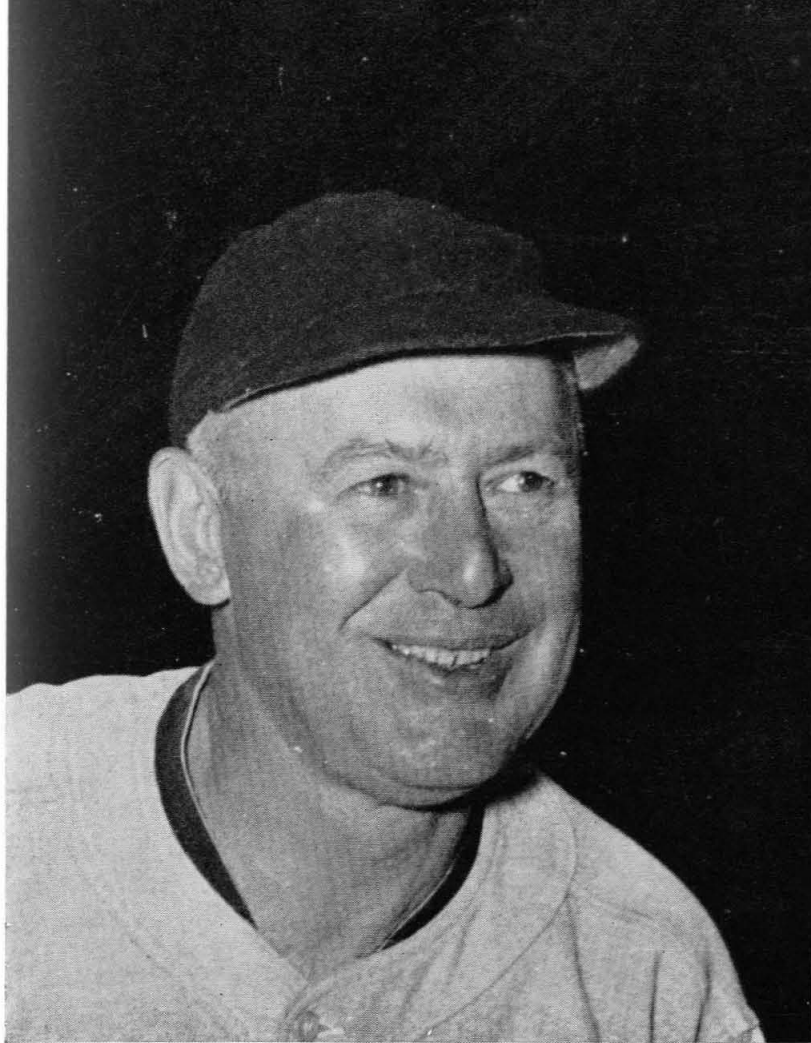
He was Captain and often Coach of Drexel Institute, Pennington Seminary, Brigade football and Dickinson College. He began serious coaching at Pomona in 1908 and stayed until 1915, winning the Conference Championship. He coached the 1916 Oxy conference winners, came to Tech in 1921, won the '23 Conference, tied in 1930 and won again in 1931.

He had supreme respect for the mentality of his team, and no play was considered too difficult for the minds of his players. He earned the reputation of "Moleskin Magician," and was also called the "Einstein of the Scrimmage Line," and "Fox."

He coached eight championship teams in the conference, but he will be most remembered for his fine character, sober point of view, and his great sense of honor.

HAL MUSSELMAN

Director of Athletics for Tech since 1942, Mr. H. Z. Musselman has been giving Tech teams a helping hand for twenty years. In a uniform, he is Coach Musselman, and has led Tech baseball teams to several Conference Championships, the greatest being in 1945, when he placed three men on the All-Southern California team. Mr. Musselman is always working to further Tech's athletic interests and we can look forward to many more successful seasons under his direction.



Above: Musselman, Hanes. Below: Anderson.

DOC FLOYD HANES

A familiar sight at all Tech athletic contests for many years has been "Doc" Hanes and his little black bag. "Doc" is every athlete's friend with his tape and lotions. For several years now, "Doc" has coached the track and cross country squads at Tech. Everyone remembers his terrific track squad of 1945, which trounced all comers on the entire coast. "Doc" inspires his men to great heights and should continue to turn out the best in track for many years.

MASON ANDERSON

Everyone at Tech was glad to welcome Coach Mason Anderson back after his transfer by the Navy prevented him from coaching the 1945 team. After his two years of coaching Tech teams to victory, notably the unscored-on 1944 team, he has resumed his posts of football coach and assistant in basketball.

He has shown himself to be a hard worker and a conscientious coach. His team this year, though inexperienced, upset the dope sheet and gave Oxy the licking of the year. We are looking forward to next fall and a successful year under Mason Anderson, a very worthy successor to the "Fox."



The Athletic administration is headed by H. Z. Musselman, who succeeded "Fox" Stanton in 1942 as Athletic director. He also coaches Tech's baseball team.

Coach Mason Anderson holds down the job as head football coach and assistant basketball coach. This is his first year on the permanent staff.

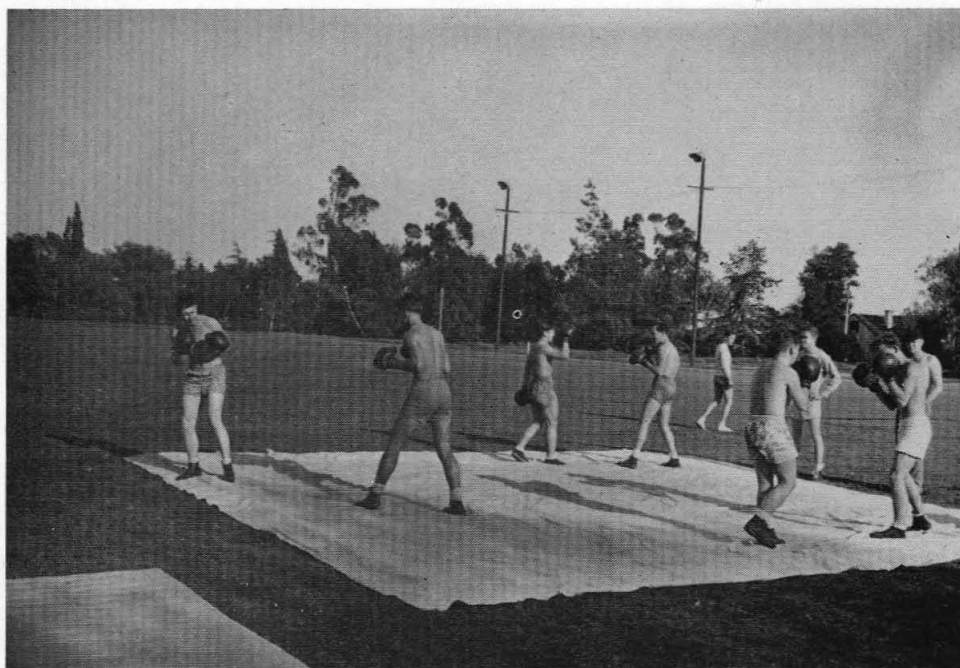
James Nerrie has charge of physical education classes and must listen to the groan of p.e. snakes. He joined the staff last September.

Miss Louise Magee has been main attraction of the Athletic office for some time. She is official secretary to Mr. Musselman and a friend of all.

Miss Miriam Coile joined the office force only recently. Her ready smile has helped to brighten the P.E. office.

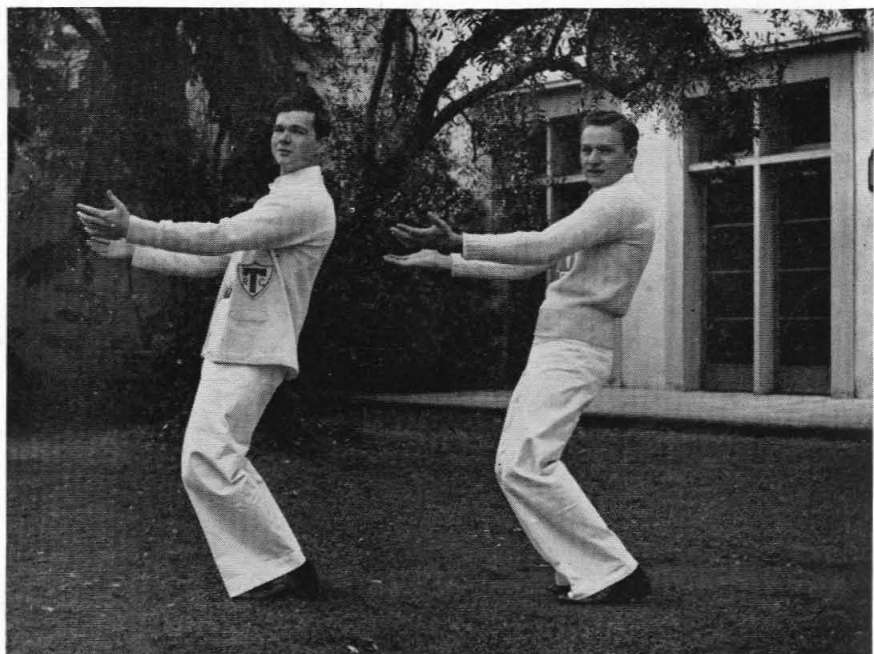


Top: The Physical Education office staff; Miss Louise Magee, Mr. Richard D. Hibbard, Mr. H. Z. Musselman, Miss Miriam Coile, Mr. James Nerrie, Mr. Mason Anderson. Center: A P.E. class gets a workout at boxing. Below: Yell leaders Gene Shoemaker and Bruce Robinson tune up.

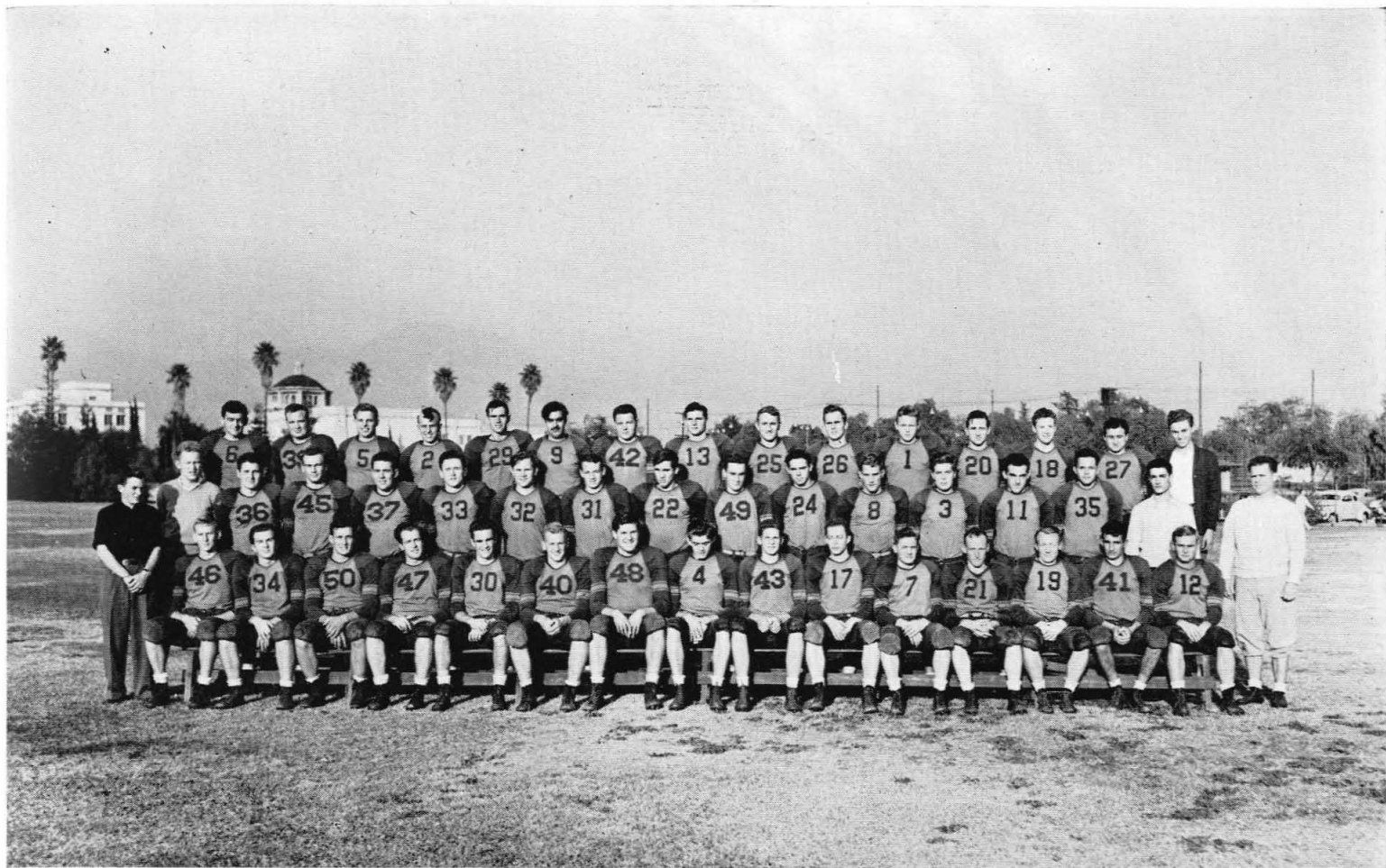


An important part of any school's athletic events is the spirit of the student body. This year, the students have been solidly behind every one of Tech's teams. Much of this spirit is due to the leadership of Gene Shoemaker and Bruce Robinson. Both boys deserve a vote of thanks from the entire student body for their fine work.

At a school like Tech it is hard to work in all the physical education that is desirable. Time is a supreme element here. But, as Stanton once said, "M.E., mental education, and P.E., physical education, go hand in hand. One without the other is inadequate." So Tech has developed a program that is designed to fulfill the needs of the students and, at the same time, make P.E. a pleasure. And "Fox" would be proud of the program now in use that is preparing the men for the development of their physical as well as their mental attributes.



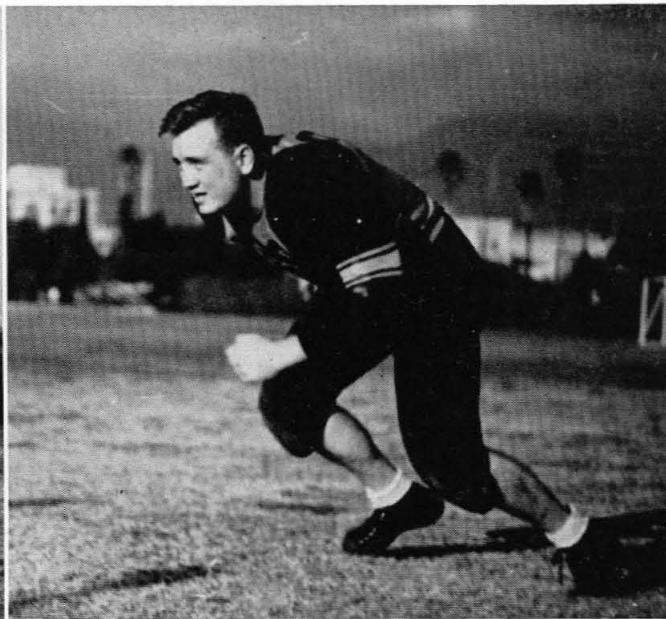
FOOTBALL



Top row: Bill Lanz, Norm Lee, Tom Coons, Fred Darms, George Lyon, Byron Karzas, Loren Stringer, Chuck Shaller, Gerald McKenna, Larry Dahm, Brad Houser, Stan Mendes, Dick Hartman, Chan Rypinski, Manager Jarmie.
 Second row: Manager Mueller, Lowell Parode, Doug MacLean, Forrest Allinder, Bob Funk, Art Viewig, Neville Long, Bill Boutelle, Hubie Clark, Herb Simons, Don Hibbard, George Felbeck, Bill Rumer, Stanley Stockton, Manager Karzas.
 Bottom row: Manager Rowe, Dick Felberg, Dave Powell, Bill Muehlberger, Dave Caldwell, Glenn Chaffee, Dennis Long, Bob Walquist, Dick Morgan, Fred Graham, Ray Jonrde, Warren Marshall, Ordway Manning, Erle Brown, John Kariotis, Leval Lund, Coach Mason Anderson.

1946 SEASON RESULTS

TECH 40	LA VERNE	0
TECH 19	OCCIDENTAL	6
TECH 7	WHITTIER	19
TECH 6	REDLANDS	21
TECH 14	POMONA	32
TECH 0	PEPPERDINE	34

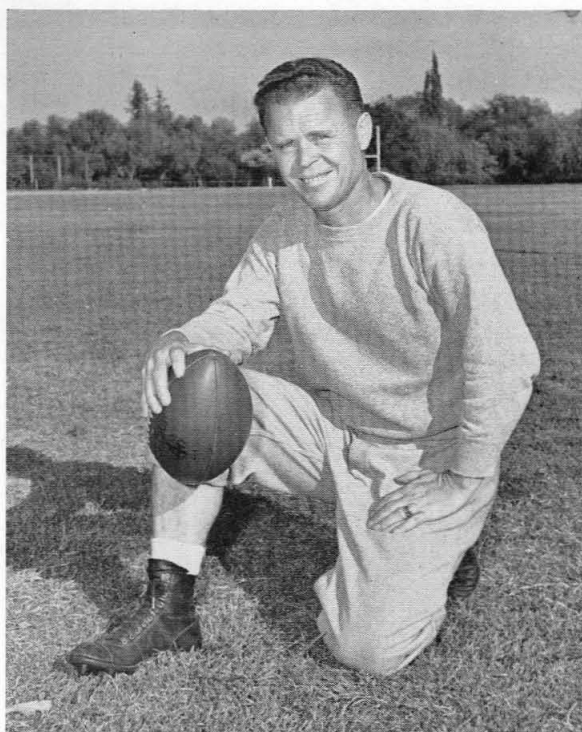


Douglas MacLean was Co-Captain of this year's varsity football team. He was awarded the Wheaton Football Trophy on the basis of scholarship, sportsmanship, ability, and moral influence. Mac played fullback, and was a hard-driving, spark of the team. His play helped swing the Oxy game so thoroughly. After his shoulder injury in the Whittier game, he was sorely missed, but got back in time to give Pepperdine a rough time.

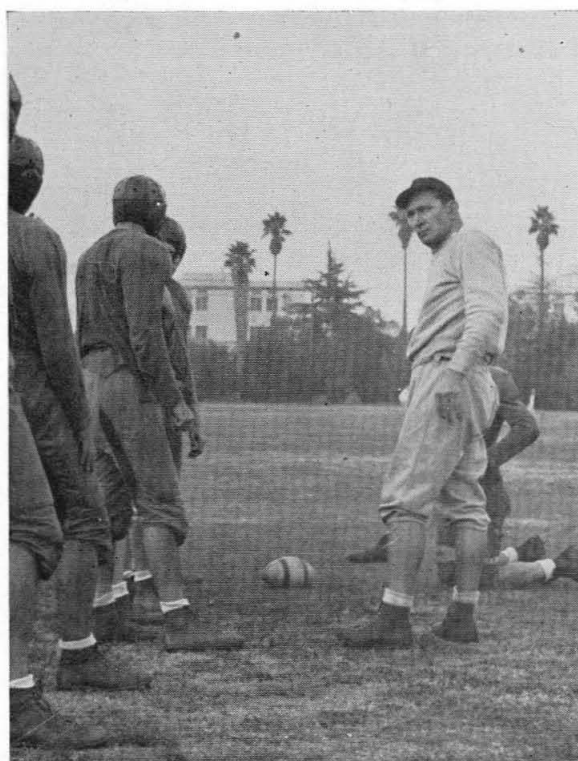
Norman Lee shared the Co-Captain spot with Doug. Norm is a three-year letterman, having played on the great undefeated, untied, unscored upon team of 1944 and the formidable squad of 1945. Norm was a big morale booster and lent much to the spirit of the team on the field. Injuries kept him out of most of the play and he was sorely missed in each case. Norm came to Tech from LSU, where he played frosh football. All of the football fans and players are deeply indebted to Norm for the work he has done in his three years with the team. He will be missed at the guard spot.

"Pete" Mehringer was line coach for Tech this year. Every lineman knows the helpful tips that Pete handed out. And he gathered lots of them in his career with the L. A. Bulldogs and when he made All-American at Kansas U. His description of what the Beavers should endeavor to do to the opposition earned him the name of "KABOOM" Mehringer. He did a fine job and is a great addition to Tech's coaching staff.

Coach Mason Anderson returned to Tech this year after missing the 1945 season. But everyone remembers the mighty team he fielded in 1944. It was under the watchful eye of Anderson that this team, undefeated, untied, unscored upon, rolled up the most impressive record that any Tech team could hope for. This year, Coach Anderson did a fine job with limited material and ever scarce time. He specializes in turning out teams that can fight. "It's the amount of fight in the man, and not the amount of man in the fight," was his favorite way of spurring his men on. Tech is very fortunate to have so worthy a man as her football coach.



**Above: MacLean, Lee.
Left: Anderson. Right:
Mehringer.**

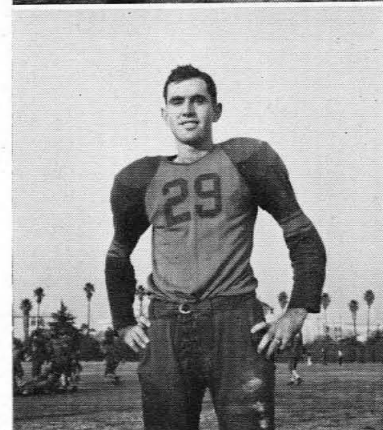
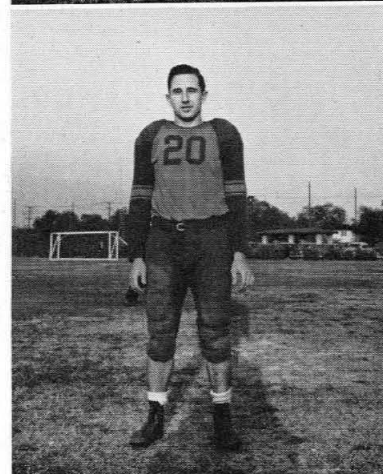


FOOTBALL

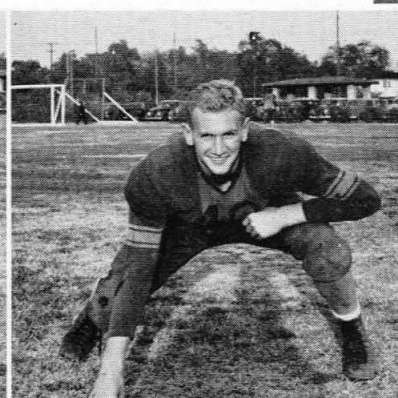
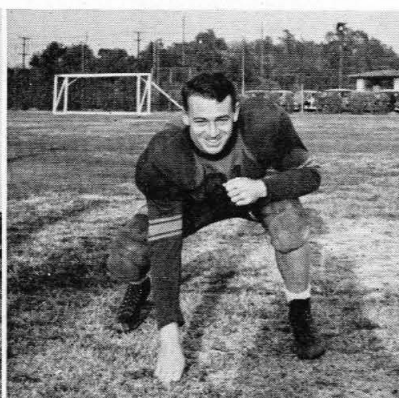
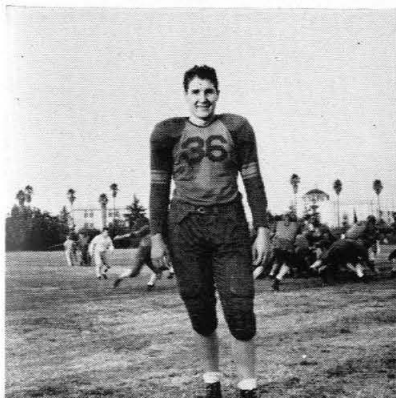
Coach Anderson held the first football practice a week before the start of the fall term. He was greeted by a group of spirited, inexperienced candidates. With only 7 lettermen returning, the squad had to get in plenty of work before their opener against La Verne College Oct. 19. During the week, the squad was heartened by the addition of Pete "KABOOM" Mehringer to the staff as line coach.

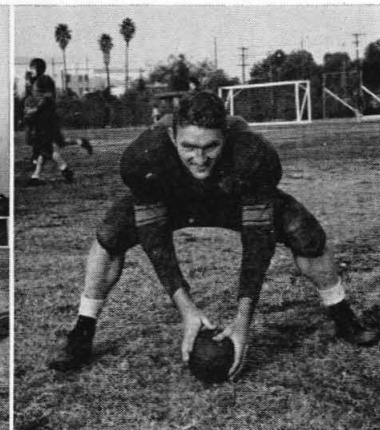
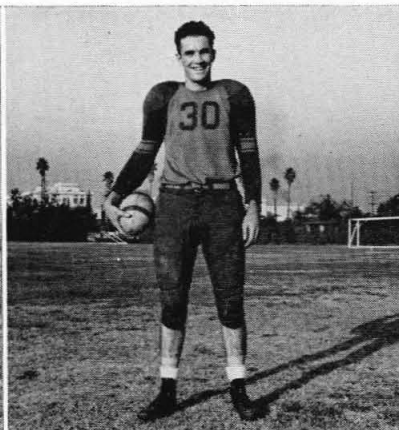
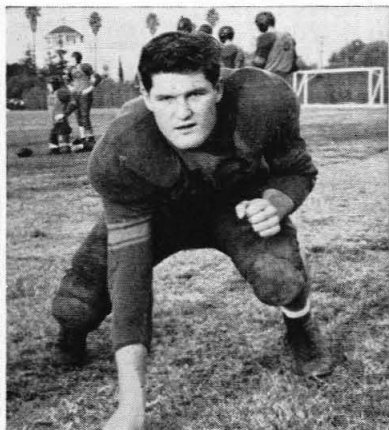
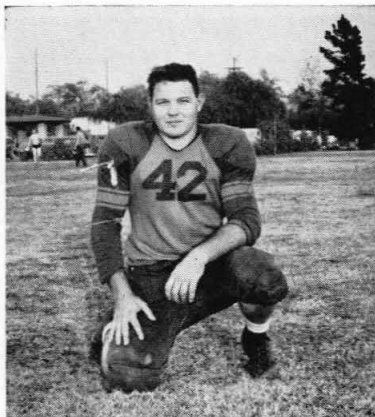
The Beavers went into the La Verne game warily, but found themselves immediately, and proceeded to roll over the leopards to the tune of 40-0.

This was only a dress rehearsal for the big game of the year the following Friday night against Oxy in the Rose Bowl. Having the edge in weight and experience, Oxy was given the nod to take the Beavers into camp by quite a bit. They did score the first touchdown when a tackle intercepted a pass and went 30 yards for a score. But then the Beavers took over. McKenna recovered an Oxy fumble. A flat pass from Chaffee to MacLean accounted for 8 yards and a score. In the second quarter, Tech intercepted a pass on the Oxy 47. It took only six plays for the Beavers to score on a pass from Bake to MacLean. Caldwell booted the extra point. In the third period, Chaffee threw a pass to Hibbard (D. E., not Richard D.), who made a spectacular catch. But the drive bogged down short of pay dirt. On the next play, Oxy fumbled and Hibbard was in fast to scoop up the ball. Chaffee tore through tackle for the final tally. Every man played an inspired game. Hibbard, Manning, D. Long, N. Long, Parode, Lee, and McKenna played bang-up ball. Big Bill Muehlberger steamrolled over hapless Tiger guards. Clark, Funk, Winters, and Mendes turned in fine games. The final score when the jubilant Beavers left the field was Caltech 19, Occidental 6.



Side: Clark, Mendes, Winter, Lyon. Bottom: Parode, N. Long, D. Long, Hibbard.

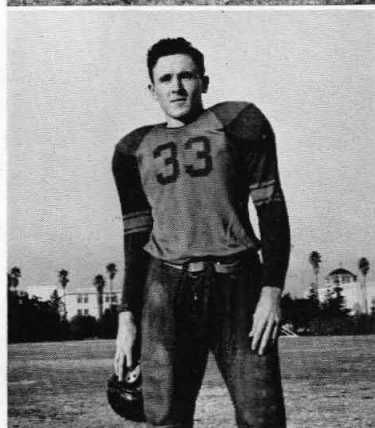




Walquist

Chaffee

McKenna

Stringer
Manning
Funk

Tech's football hopes hit a snag in the Whittier game as the Beavers came out on the short end of a 19-7 score. The Poets opened the scoring in the first quarter. The Beavers came right back fighting and, in the second quarter, started moving down the field with reverses featuring Funk and Clark. Clark broke over as he swept his left end and Tech was ahead. As the second half opened, the Beavers seemed headed for pay dirt again but the drive bogged down. The Poets drove to another score. Late in the fourth quarter, the Poets drove deep into Beaver territory only to be held at the goal line. But the stand was nullified when, on the next play, there was a fumble in the Tech backfield. Whittier recovered for the final tally.

The next Friday night in the Rose Bowl, the Beavers took on the Redlands Bulldogs. Redlands scored in the first quarter. The rest of the half, the Beavers stopped the Bulldogs' every effort, but could not gain the offensive. In the third quarter, the Bulldogs pushed over two tallies to put the Beavers deep in a hole. About the only bright spot for the Beavers up to now had been Chaffee's superb punting. He was reeling off 60 and 70 yard boots with amazing consistency.

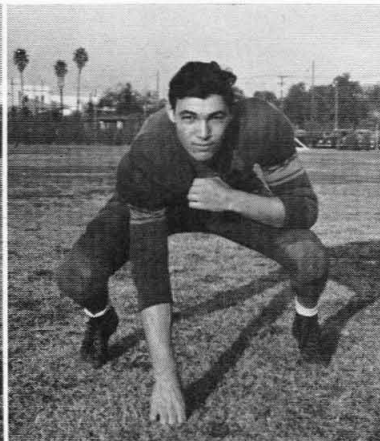




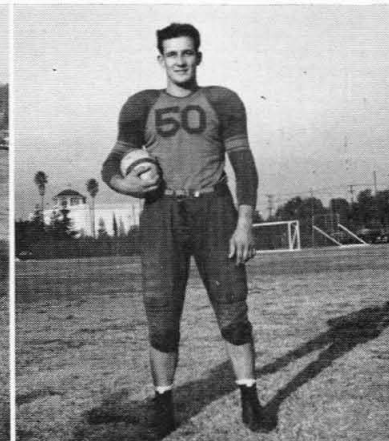
Marshall



Felberg



Bass



Muehlberger

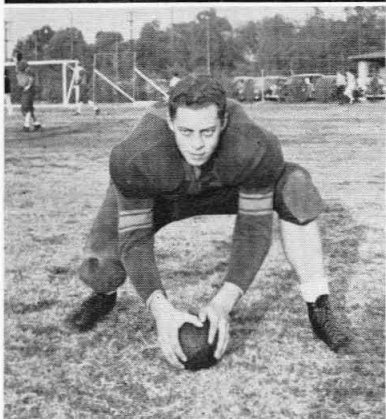
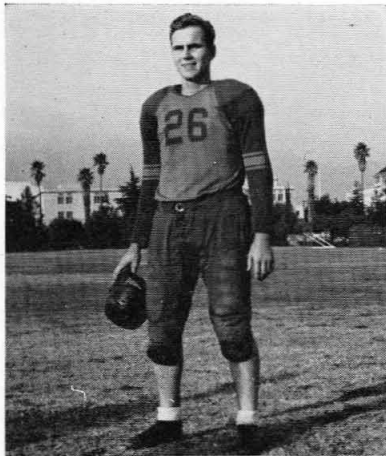
In the fourth quarter, the Beaver found his strength and went to work. Bass blocked a Redlands punt and recovered on the Redlands 30. After a 22 yard pass to Hibbard, Stringer powered over for 6 points. Tech kicked off and soon had the ball on the way for another TD, but the final gun stopped them short. The final score: Tech 6 - Redlands 21.

Pomona took advantage of innumerable breaks the next Saturday to turn back the hard luck Beavers 32-14. The Beavers started off with a rush rolling 65 yards in three plays only to lose the ball to the Sagehens on an interception. On the next play, a Pomona back broke away for a touchdown. The next Pomona score came after a Tech fumble on their own 35. Taking the next kickoff, the Beavers showed they still had plenty of fight by marching to the Pomona 20. But they lost the ball on downs. Then Parode recovered a Hen fumble. On the next play, Pomona intercepted a pass and scored from their 35 on four plays. Stringer tossed to Hibbard for 20, twice to Clark for 30, and then to Parode in the end zone. Viewig converted. The Hens scored again in the third stanza and in the fourth. But the Beavers kept plugging away. With Stringer passing, they moved 65 yards down the field and scored when he went over from the 2. Time ran out on the hard luck boys before they could score more.





**Dahm
Houser
Johrde**

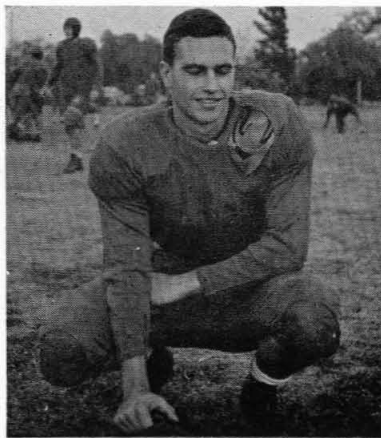


Nobody expected the Techsters to show much against the highly touted Pepperdine. The Waves were loaded down with talent. Horne was the Nation's leading scorer, and they had lost but one game. But the Beavers were unruffled by the record. Throughout the first half the Beavers stymied the Waves' every move and threatened to score repeatedly. The Tech line was a stone wall and the pass defense was air tight. Only when several Tech regulars went out because of injuries, did Pepperdine push over a score and that was the last play of the first half. However, the Waves' depth in reserve manpower asserted itself in the second half and the scrappy Beavers were forced to yield two touchdowns in each the third and fourth periods. The final score: Tech 0 - Pepperdine 32. In the final game of the season the Tech gridsters gave a fine account of themselves and their coaches. Every man played a superb, inspired game. Outweighed, outmanned, but never outfought, the scrappy boys from Tech turned what was expected to be a scoring spree into one of the finest games of season.

The end of the season ended with Tech having two wins and four losses. The Beavers tallied 86 points against their opponents' 113. This was an admirable record considering that at the beginning of the season Tech was extremely short on experience and reserves. The ever existing and relentless fight that was shown by the Beavers in every game is truly a credit to the men themselves and to Coaches Anderson and Mehringer. Tech is proud of the football team of '46 and extends its appreciation and thanks for the fine job that was turned in by every member of the team, both varsity and reserve.

Baker

Lanz



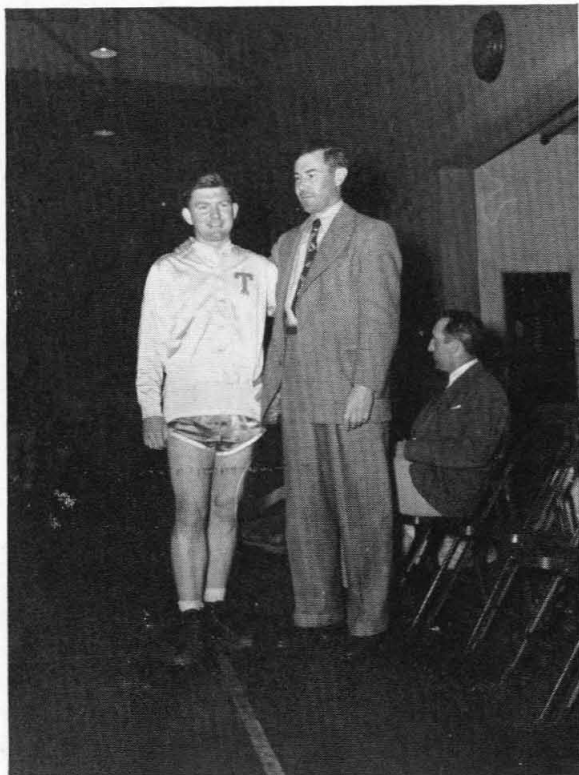
BASKETBALL



Kneeling: S. Holditch, Capt. Moore, Lund.
First row: Ottestad, Furth, Rumer, Montgomery, Mullen, Coach Shy.
Second row: Cox, Lewis, Bass, Stokely, Saltman, Bowen.

If the outlook wasn't brilliant for the Mudville nine that day, it was still very much brighter than the prospects Coach Carl Shy faced when he caught his first glimpse of what was to be the Caltech basketball team for the '46-'47 season. Cavorting on the Armory floor were about thirty eager but green casaba hopefuls willing to do or die for their Alma Mater, yet not knowing just how to go about it. From this first turnout Coach picked his material and began to mold his varsity quintet.

Taking a quick glance at the players we find Harry Moore holding down the left guard spot. The mainstay of the team's defensive play, Harry earned himself a berth on the All-Conference team through his smart floor work and his uncanny ability to bucket baskets. Also picked on the Conference squad was Paul "The Goon" Saltman. Acquiring his nickname from his 6' 5" frame, "The Goon" was the big offensive threat with his pivot shot from the center position. At right guard was Bill Cox, one of the smoothest players on the court. His sharp hips and elbows combined with his blanket guarding caused no end of trouble to the opposition.

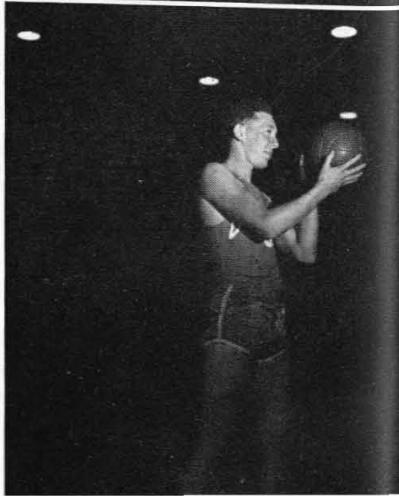
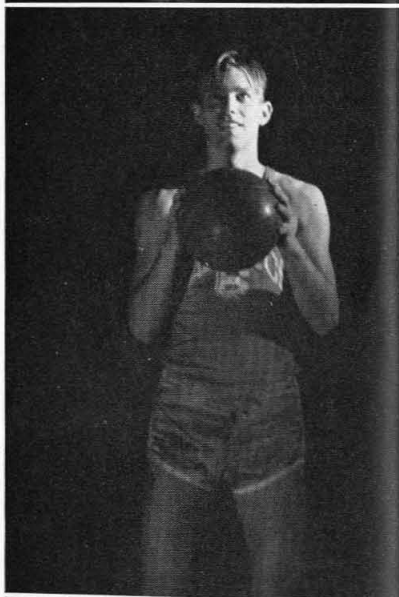
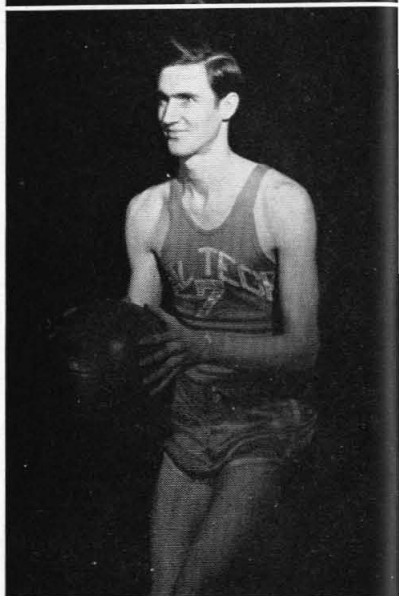
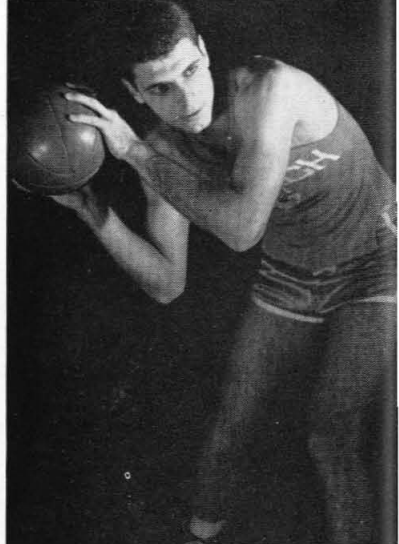
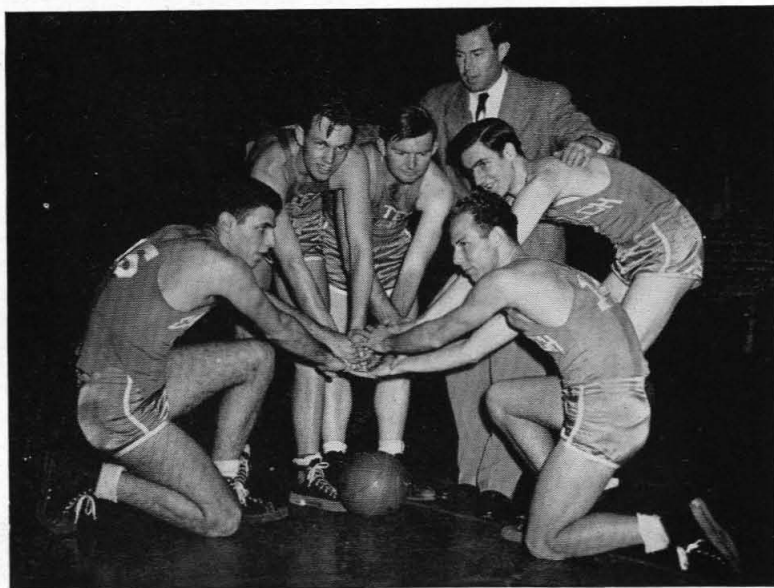


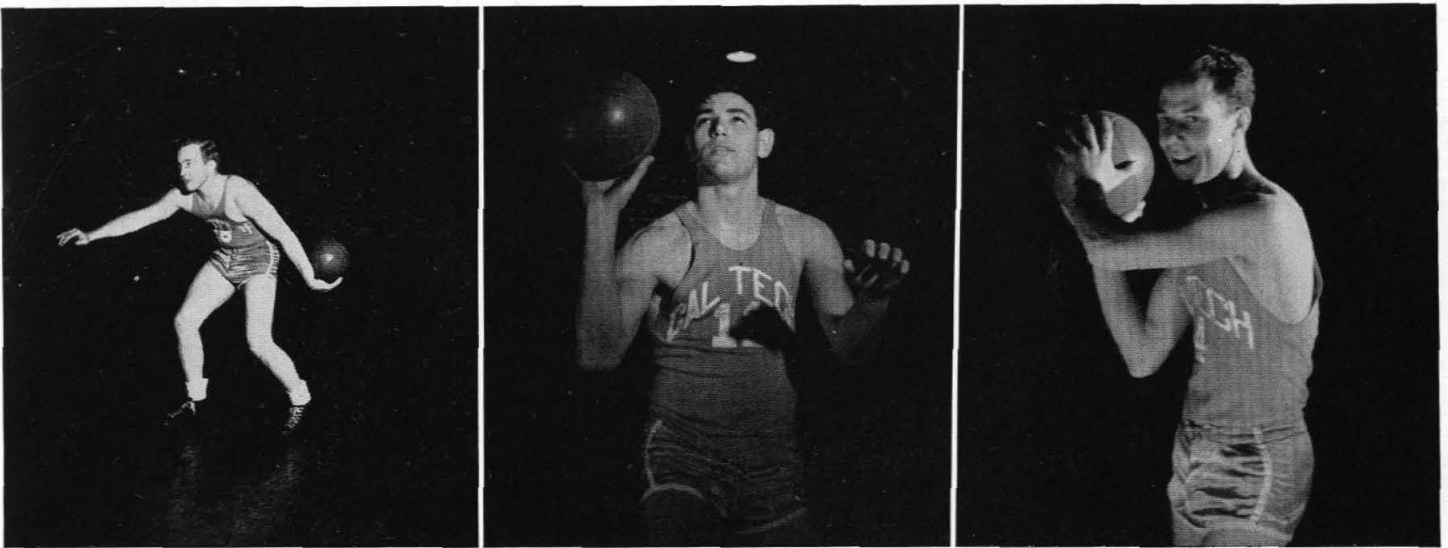
Left: Capt. Harry Moore and Coach Carl Shy.

Right: Lettermen Saltman, Cox, Bowen, Furth.

Below: Starting lineup of Saltman, Bowen, Moore, Cox and Montgomery get last-minute luck from Coach Shy.

Ted Bowen and Jay "Monty" Montgomery handled the forward jobs until an untimely sprained ankle in mid-season benched Monty. Ted was a pillar of strength on the offensive backboard and could always be counted on to hit the meshes for many points every game, while Jay kept the team clicking with his brilliant passing and dribbling attack. Filling in for Monty was Dan "Red" Furth, the fastest and shiftiest man on the floor. His shrewd ball-hawking and fire-ball fast breaking made Don the spark-plug of the team, and a man to watch in his next three years of play. Jack "Moon" Mullen, the daddy of the team, never let his 28 years show as he deftly handled the slow-break offense and constantly broke up scoring threats of the opposition. Big Manuel Bass, the "Texas Terror," wrecked havoc on any team that faced him from either the forward or center slot, while Bob Stokely's long arms and legs stopped many shots at the basket when playing guard. Not enough can be said about the men who, while seeing little game time, were constantly keeping the first string on their toes. Stan Holditch, Bill Rummer, and Val Lund at the forwards; Kirk Lewis at center; and Jack Ottestad at guard — all should be valuable men and possible starters next season.

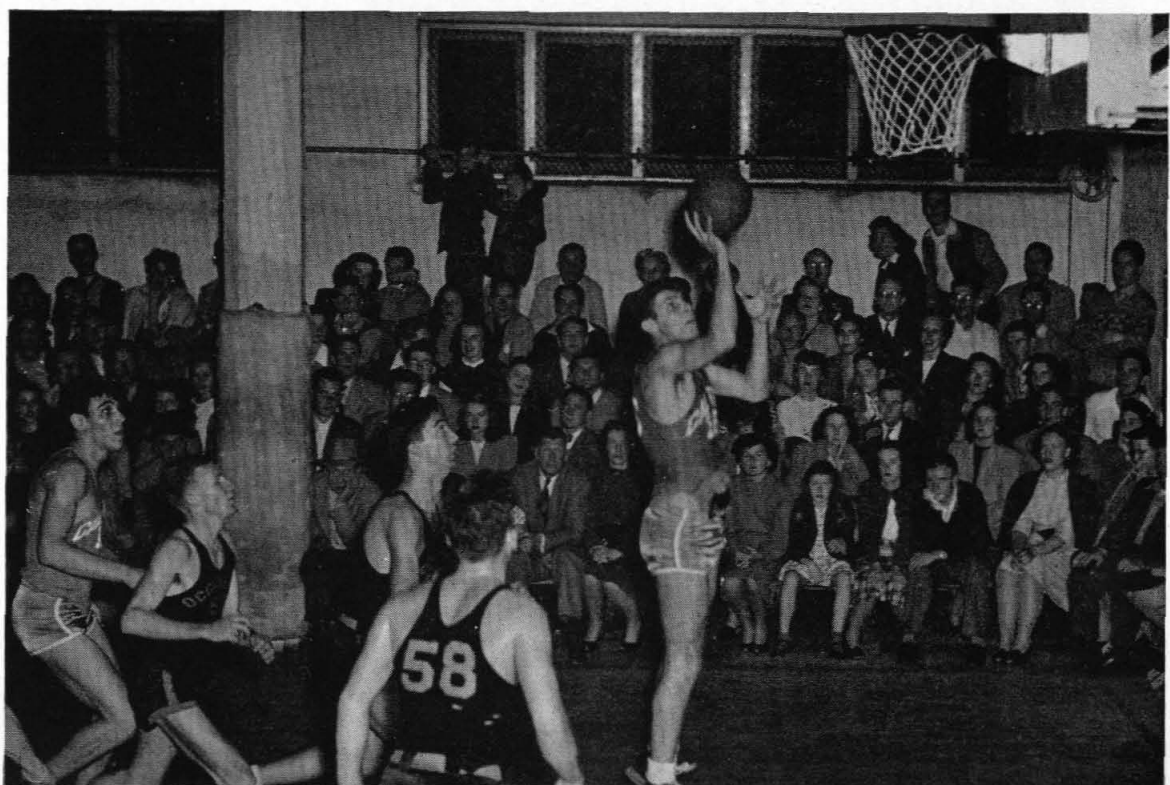




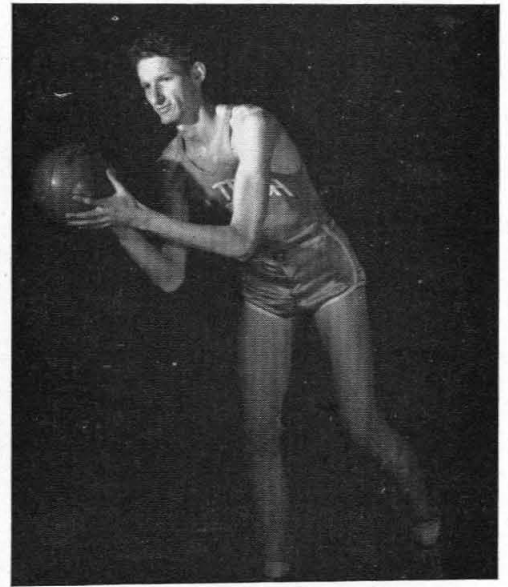
Top: Lettermen Mullen, Bass, Montgomery. Below: Saltman sinks one against Oxy.

The Engineers started their season by knocking over La Verne, 27-32, in a tight game. Still very green, but fighting hard, the team pasted a defeat on the highly favored Chapman five, 43-35. Never losing the will to win, the Beavers gave Loyola a hard and bitter battle, losing to the Lions by only one point, 39-40. The league began with the "Slide-Rule Lads" meeting the Sage Hens at Pomona. With a 12-point advantage at half time, the team got overconfident and were scratched by the Chickens, 47-33. Again after piling up a substantial lead, the Beavers blew the rematch to Chapman, 48-42.

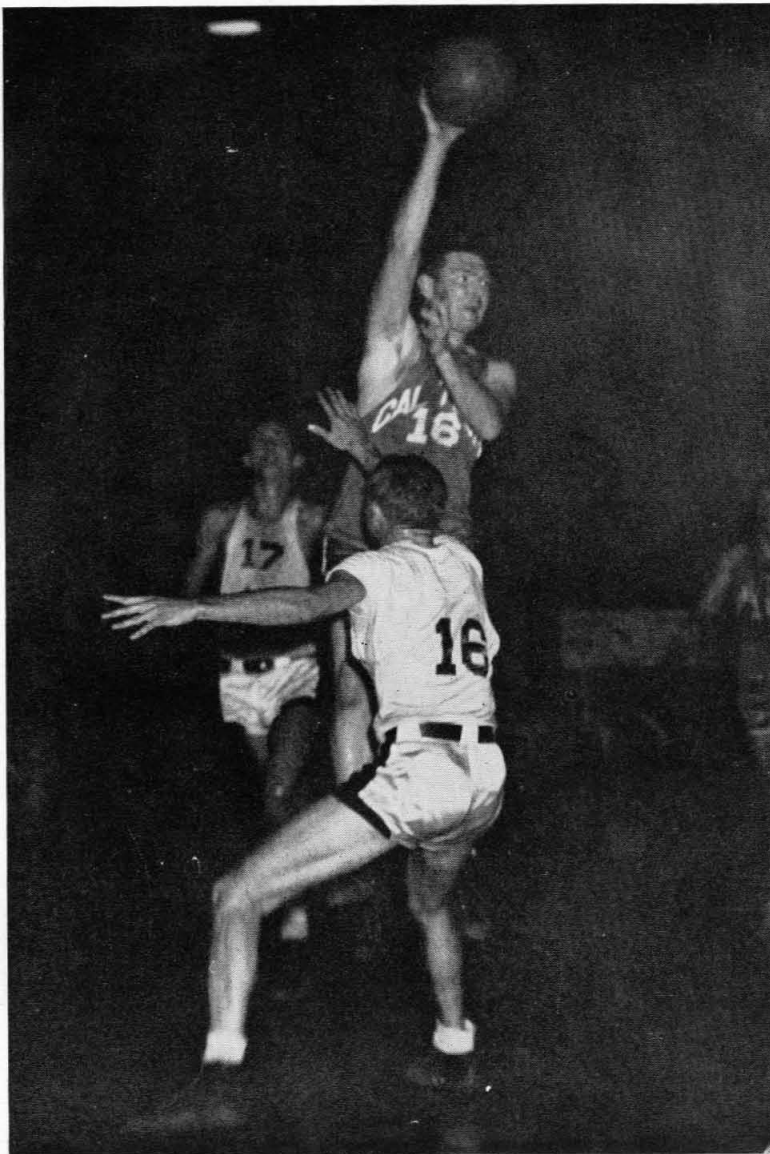
The big game had finally arrived and the mighty Oxy Tiger stalked into the ice-box they call the Armory only to get its tail twisted; the score at the final gun was 39-33. With the league now in a mad scramble, the "boys from the Arroyo" journeyed to the orange groves out Redlands way and, though leading at the half, got nipped by the Bulldogs, 46-42. The Pomona five visited the Armory with hopes high, but the Beavers toppled them in one of the most exciting games of the year, 40-38. It was inevitable that the Engineers had to meet the powerful basketball machine of Whittier and, outclassed, lost 36-69.



Letting the usual starters sit out, the fighting Techsters, led by Bass' 18 digits, trounced La Verne again, 46-30. Still smarting from the blows dealt out by Whittier, the "Calculus Kids" rode forth to do battle with the Bengals of Oxy in their crucial rematch. The team seemed too cramped on the cracker-box Oxy floor and was unable to hit the hoop. The score: Oxy 51, Tech 23. Tired of licking their wounds, the Beavers played brilliant ball to



Right: Letterman Stokely.
Below: Capt. Moore tosses a long one.

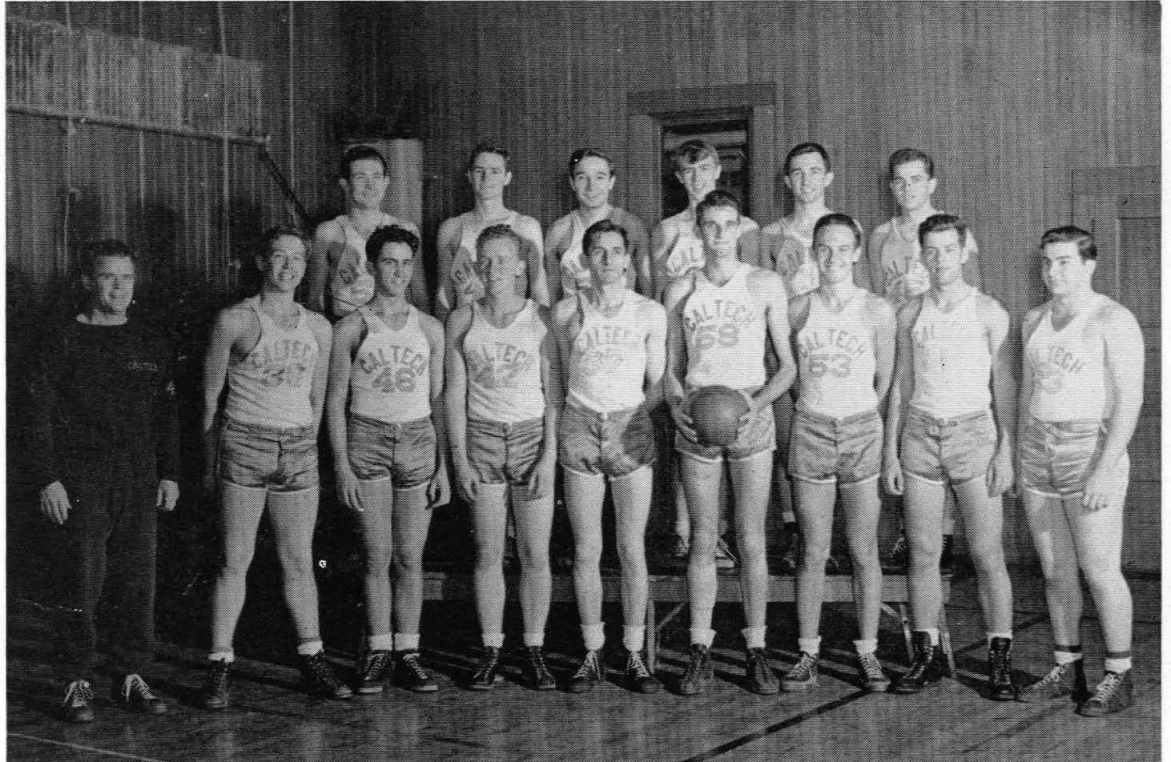


romp over the Redlands five, 46-42, in a game that saw the whole team working as a skilled, fighting unit. At Whittier, the varsity played to win the rematch with the Poets and, although playing an equally fine defense and floor game, the men couldn't get the range on the bucket. The score, 63-34. The last and most popular game with the team was the San Diego Naval Training Center encounter which saw the men not only being wined and dined in superb style by the Bluejackets, but also fast-breaking the sailors silly. Saltman led the scoring column with 18 points to bring the season to a victorious close by a score of 49-46.

The squad ended with a 50 per cent average, taking seven of the fourteen battles. Although not considered a formidable threat, Tech placed third in the league, copping three of eight conference games and losing twice only to Whittier. Not enough praise can be given to Carl Shy, the Beaver mentor. No other coach in the game could have created as fine a squad with the material at hand as he did. With a man of such ability at the helm, Caltech will always field a dangerous quintet.

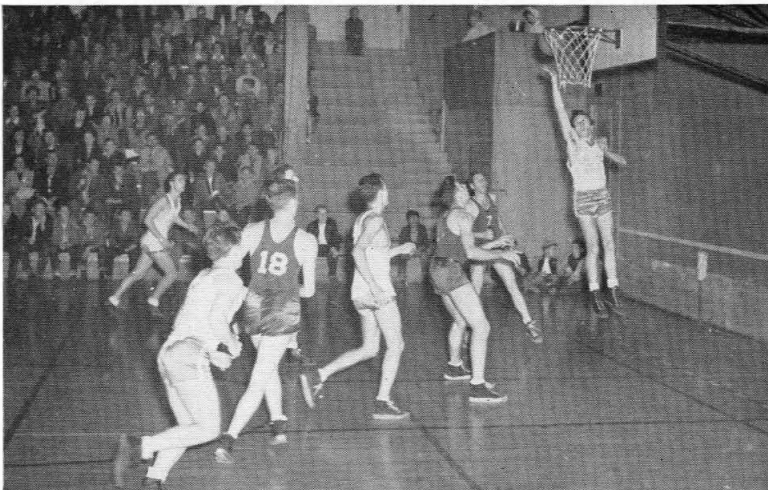
The prospects for next year are bright. The big loss will be Captain Harry Moore, the stellar guard. However, all the other members of the squad will be back with experience and will mold into a fine team for next year.

J V BASKETBALL



Back row: Davis, E. Miller, Winchester, Cox, Malone, Hedrick.
 Front row: Coach Mason Anderson, Pilling, Boicourt, Holditch, Swain, Dalton, T. Miller,
 Edwards, Viglierchio.
 Below: JV's in action.

This year, the JV's, training squad for the future varsity, ran into a lot of trouble. Although turning in a good brand of basketball, they ran into consistently good teams and managed to pull only one game out of the fire all season. Coach Anderson worked long and hard preparing the men for their advancement to the varsity squad next season. The whole squad worked hard and the varsity will be strengthened by the addition of such standouts as Malone, Dalton, Holditch, and Winchester next year. They showed fight and skill throughout the whole season, as did Davis and Miller. Coach Anderson and the entire JV squad are to be complimented for their fine job and efforts to make the season of '47 a good one.





The track season started off with a bang when Tech edged out Oxy for first place in the Conference Relays. It was a great day for both the Varsity and the Junior Varsity; out of 14 events entered, they garnered 5 firsts, 4 seconds, 1 third; three of the firsts being taken by the JV's. The other firsts were by Tech high point man Tillman in the shot and the 880 relay team comprised of Shaller, E. Brown, Funk, and Shauer. Winning this relay gave Tech the final possession of a trophy since this victory was the third one in three successive efforts.

The next week was not so successful as Oxy, in a dual meet, swept every first except the 440, 880, and mile, where Ken Shauer, Stan Barnes, Herb Simons, and Doug Brown showed their mettle. At this meet, there was some talk of a Jim Parker, who was purportedly an ace 440 man, but he didn't show so well in the mechanics of it. However, he showed up later in full force. Dwight Schroeder tripped an amazing light fantastic over the short sticks to the consternation of most of the Oxy timbermen. These few exceptions were far between and the final count was a rout at 86-45.

Top: Don Tillman, shot put and discus heaver, holder of school records. Herb Simons, 880 man, turned in fine races. Doug MacLean, javelin tosser and member of winning relay team. Bill Lundy, track manager and man with the hammer.
Below: "Doc" Hanes holds the 4-man 880 Conference Relay Trophy won by sprint stars Ken Shauer, Chuck Shaller, Erle Brown and Bob Funk.



Redlands' Bulldogs came up next and just barely eked out victory with a 2-point margin. Outstanding for Tech were Shauer and Tillman, who each scored two firsts. Ken scored in the 440 and 220 as well as anchored a flying successful mile relay team. Big Don slammed out the shot and discus for twin firsts. An oddity came in the 100, where Funk, Shaller and Root came in one, two, three. Barnes, as usual, won the 880 handily. MacLean captured the javelin, and Mart Walt tied for firsts in pole vault and high jump. "Cannonball" Chinn fell just short of a first in the broad jump, which might have made all the difference, but his was not the only instance where the tide could have been turned. This closeness made the loss a tough one — even tougher than the Oxy meet.

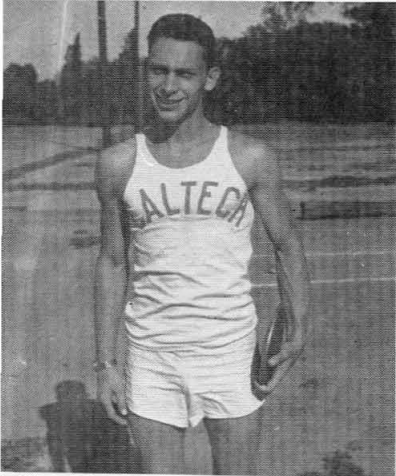
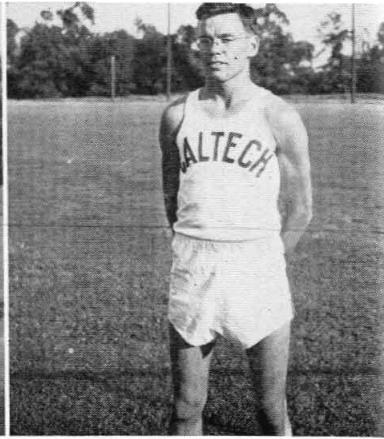
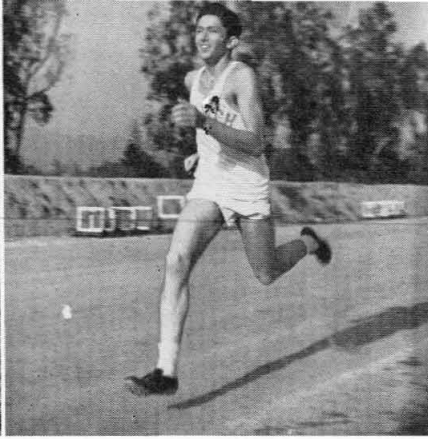
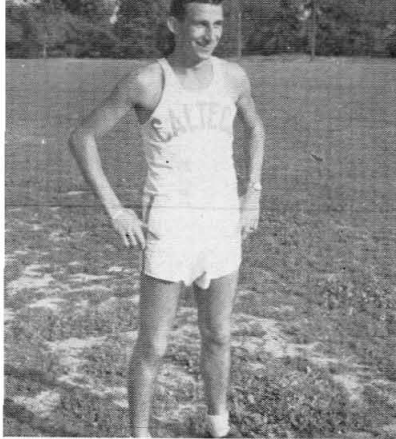
The team's next adventure was in Pomona-land, where the Beaver was again lucky to escape with his pants. The score was a reprint of the Oxy encounter. Golden egg of the day was Kenny Shauer's record-breaking 48.8 seconds 440. He scampered around the one-turn track 4/10 second ahead of Riddle, Pomona ace. A similar glory was Mart Walt's as he broke the frosh record in the pole vault with a soaring 12' 3 $\frac{3}{4}$ ". Other scattered sunbeams were Shauer's first in the 220, Tillman's in the shot, Chinn's in the broad jump and triumph by the mile relay team of MacLean, E. Brown, Barnes, and Shauer.



Top: Stan Barnes finishes a great 880 out in front.
Below: Manager Lundy, Marshall, D. Brown, Saltman, Shauer, Kariotis, Simons, Walt, Madden, Coach "Doc" Hanes, Schroeder, Herzig, Root, Corneilus, Barnes, Funk, Nevis, Shaller, Chinn, Green, Peterson, MacLean, E. Brown.

TRACK





Top: John Kariotis, frosh miler, shows much promise.

Mart Walt, frosh pole vaulter and high jumper, took many places in conference tilts this year.

Jack Marshall, half miler that should give Tech strength in coming seasons.

Dick Cornelius, 440 man, toured the one turn in good shape this year.

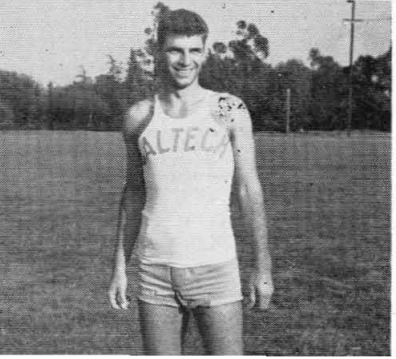
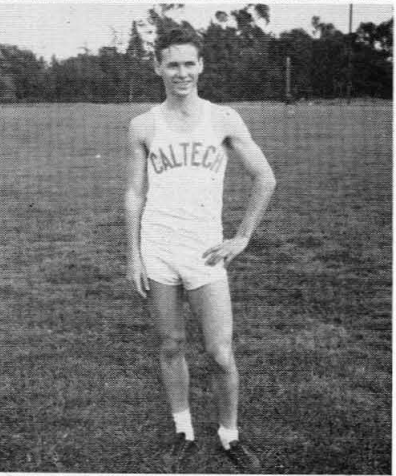
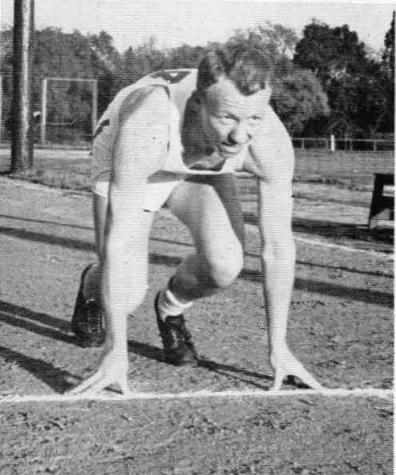
Side: Dudley Bennett, senior heaver of the shot and discus, added strength to Tech's squad this season.

Erle Brown, soph sprintman, member of that terrific winning 880 relay team.

Doug Brown, distance man, added points in conference meets.

Paul Saltman, hurdles runner, showed good form even after a late start this season.

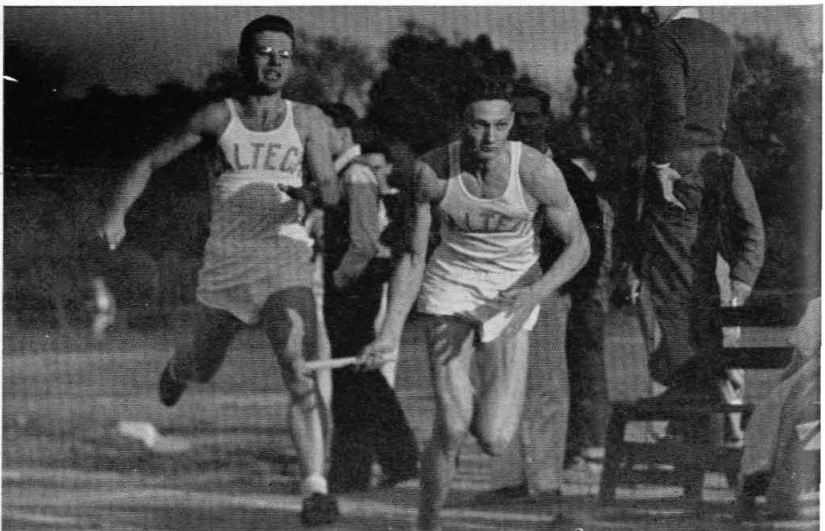
Bottom: Barnes passes the baton to Shauer for the final tour.



After a vacation in which conditioning suffered, the Engineers went into their toughest meet, against UCLA and Santa Brabara. There were few shining jewels to brighten the shellacing administered. Shauer turned in a beautiful race in the 440 to win it by 8 yards. Although only placing fourth in the 880, Barnes came within 3/10 second of the school record - running the distance in 1:58.7. That was the day Gold broke the UCLA record in 1:54.4. The relay was a standout, emerging with a resounding triumph.

Whittier surprised both themselves and Tech by marching in and coping that meet, 67²/₃ to 63¹/₃. Elroy "Smoke" Chinn broke the school record in the broad jump as our outstanding output of the day.

The ubiquitous Mr. Shauer scored again in both the 220 and 440, and in no uncertain terms. Stan Barnes ran a beautiful race in the 880, followed closely by Herb Simons and Jack Marshall as Tech scored 1, 2, and 3 in it. Tillman bagged the shot and placed second in the discus. This, with MacLean's first in the javelin, gave Tech an edge in the field events.





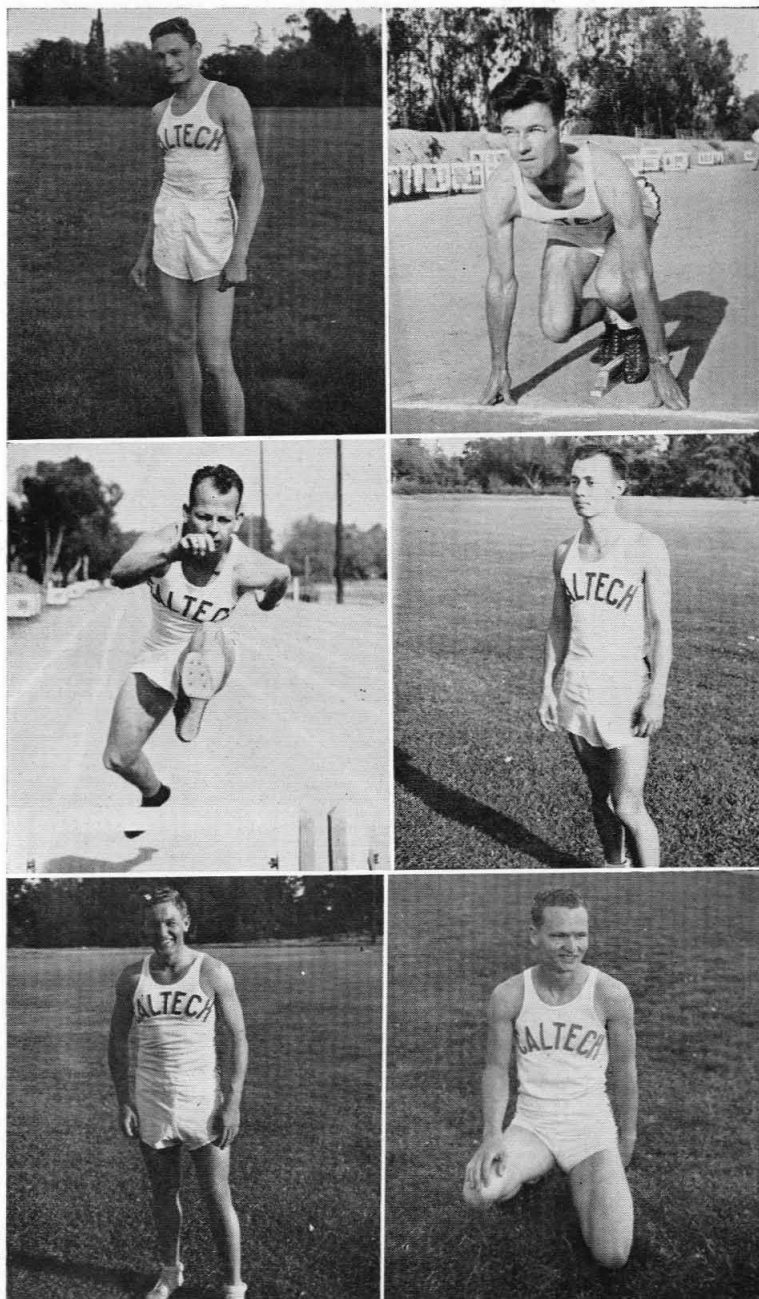
Top: Doug Brown nudges an Oxy man out for first. Below: Ken Shauer, 220 and 440 man deluxe. Ken was the sensation of the Tech squad this year as he was in 1945. He consistently defeated all opponents, being upset only once this season. His best time was the record-breaking 48.8 s. 440. The squad will miss Ken next year. Bill Root, 100 man that turned in points for Tech in needed spots. Arnold Nevis, low hurdles flash, good in the stretch. Elroy Chinn, "cannonball," "rabbit," the little boy with the long stride. Elroy now holds the Tech broad jumping record. He placed consistently. Warren Marshall, discus and shot strong man, turned in some good tosses. Dwight Schroeder, ace hurdles man, winning his event. It will be good to have him on the squad for three more years.

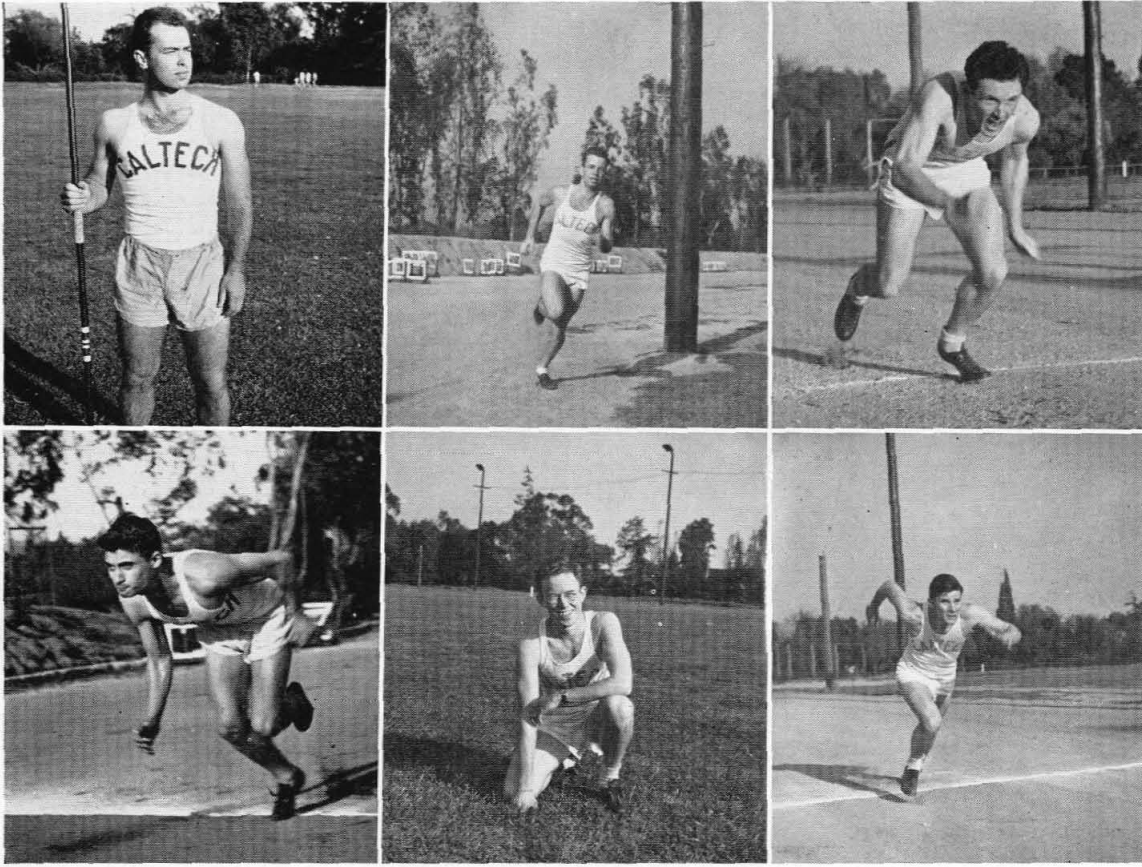
The fateful day of the Conference Meet rolled around with the underdog Beavers' call to give all for the laurel. Unfortunately, we got only the third place.

Parker from Oxy was present with bells on and proceeded to clang his way into firsts in the 440 and 220 with Shauer right on his neck. Parker's 40 time was a new conference record at 48.6 s. Barnes fared well in the 880 as he edged out Redlands' Wagner for 5 big points. Vaulter Walt got a tie first in his event and "Rabbit" Chinn leapt into second place, keeping up his record as a point gainer. The only event we placed two in was the discus, where Tillman and Bass shone with a second and fourth. Tillman was just edged out in the shot as Teagle broke Pomona's record. MacLean scored fourth in the javelin with a lusty heave that took a lot to beat.

In the hurdles, Schroeder shone alone for Tech with a place in the high and low.

This meet was a mediocre finish to a mediocre season. Only the work of the men and the encouragement of "Doc" made the season as much as it was. Already the boys are pointing toward next year. But, for this season, a vote of thanks is to be given to "Doc" Hanes and his track squad for their valiant efforts. With most of the squad returning next year, Tech should be in the thick of things, winning her share of the laurels.





Top: Jim Smith, javelin man with a long arm.

Stan Barnes, 880 flash, who turned in a large share of Tech's winners this season. Stan will be back for two more tries.

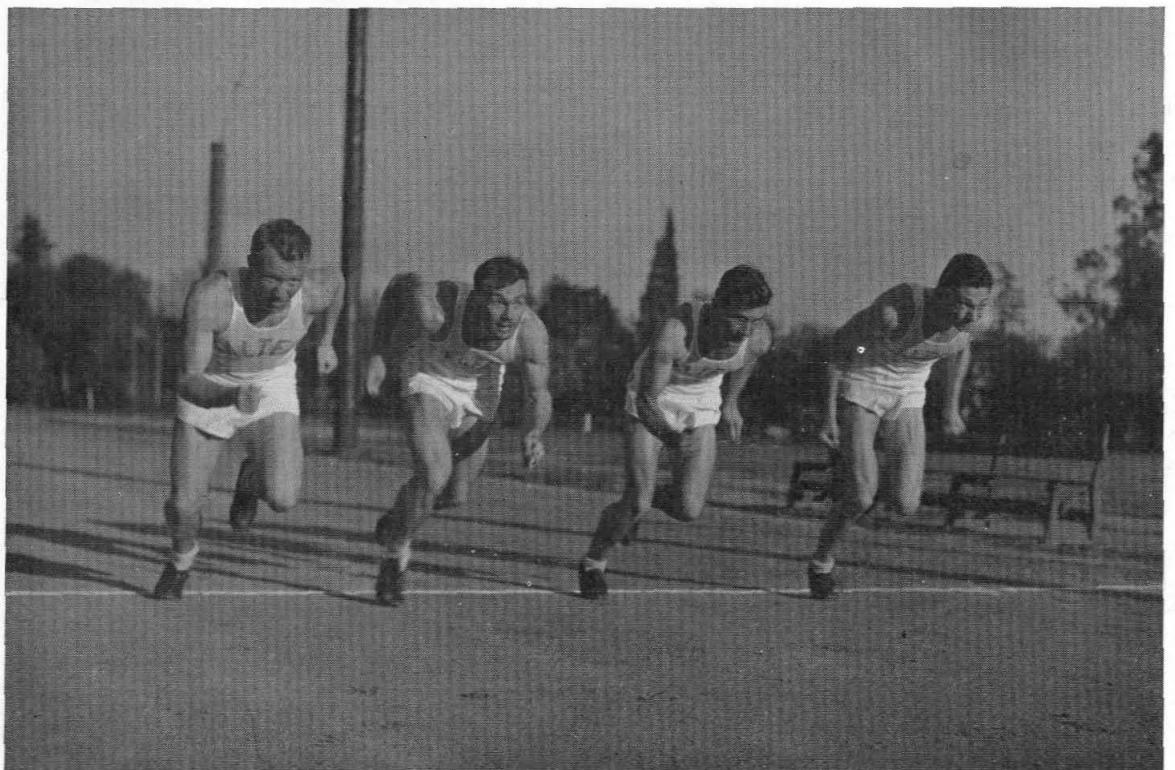
Bob Funk, scatty 100 and 220 sprinter. Bob added his share of points and will be on hand to carry the banner for two more years.

Joe Green, 220 and JV relay team, carried his share well.

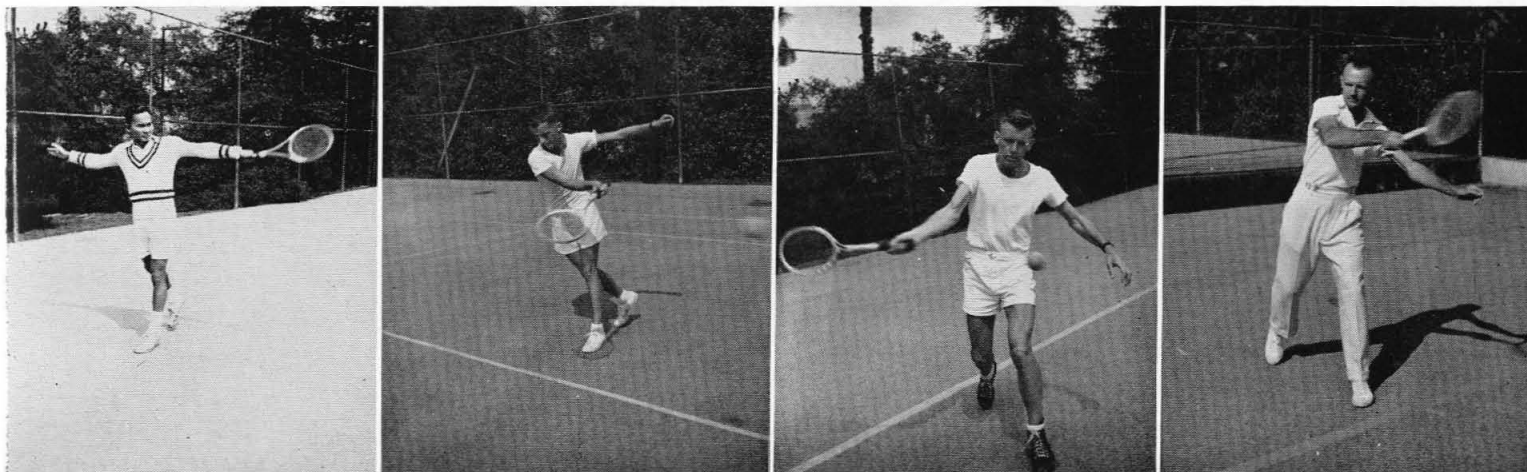
Don Peterson, 2-miler, was one of the boys to hold up under the gruelling event.

Chuck Shaller, 100 and 220 streak, came through with lots of points and held down a place on the 880 relay team.

Below: Erle Brown, Doug MacLean, Stan Barnes, and Ken Shauer take off on a practice for the relay tour.



TENNIS



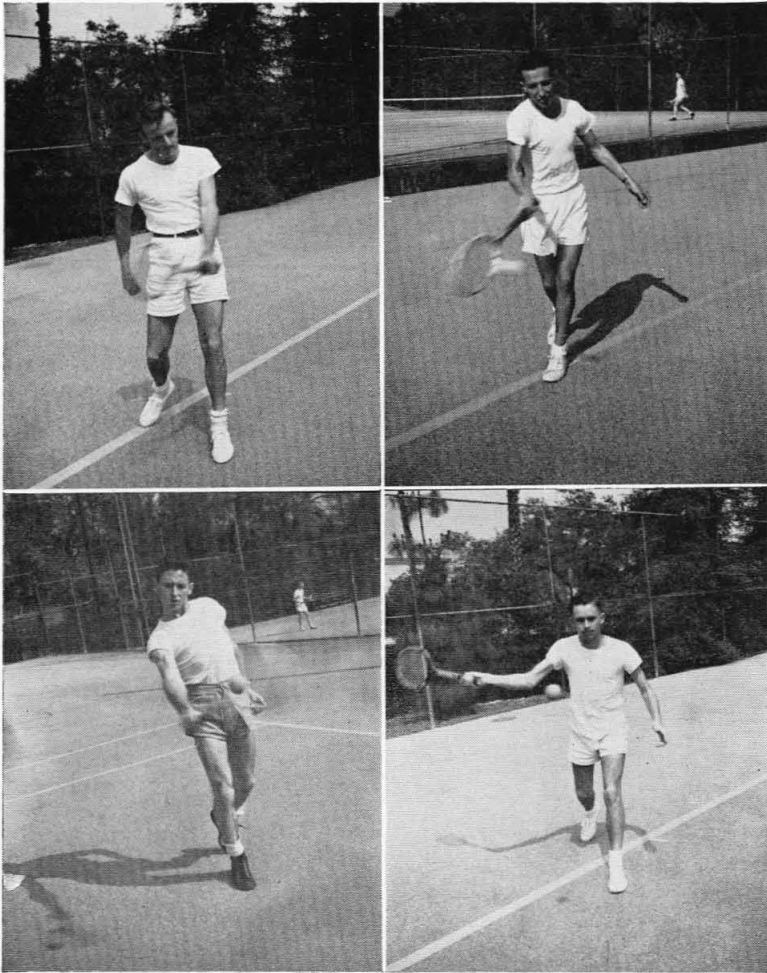
In their first week of competition, the Beaver netmen ran into some tough opposition on foreign courts. After journeying to Oxy for a league clash there, the Tech squad members found themselves suffering acutely from the absence of Charlie Vadhanapanich. However, Ed Alexander sparked the team's play by taking his singles match, 6-2, 6-2, and then teaming with Tom Hamilton to win a doubles encounter, 8-6, 6-2.

Those were the only bright spots in the Beavers' play, as the rest of the team did not fare as well. Larry Nobles and Dave Caldwell played a doubles match to a tie before darkness halted play. But these efforts could only give Tech the light end of a 6-2 score.

Top: Charlie Vadhanapanich, Larry Nobles, John Holmgren, Coach Jim Lamb.

Below: Coach Lamb, Holmgren, McGrane, Vadhanapanich, Alexander, Bryan, Manager John Heath, Palmer, Hamilton, Nobles, Suhrer.



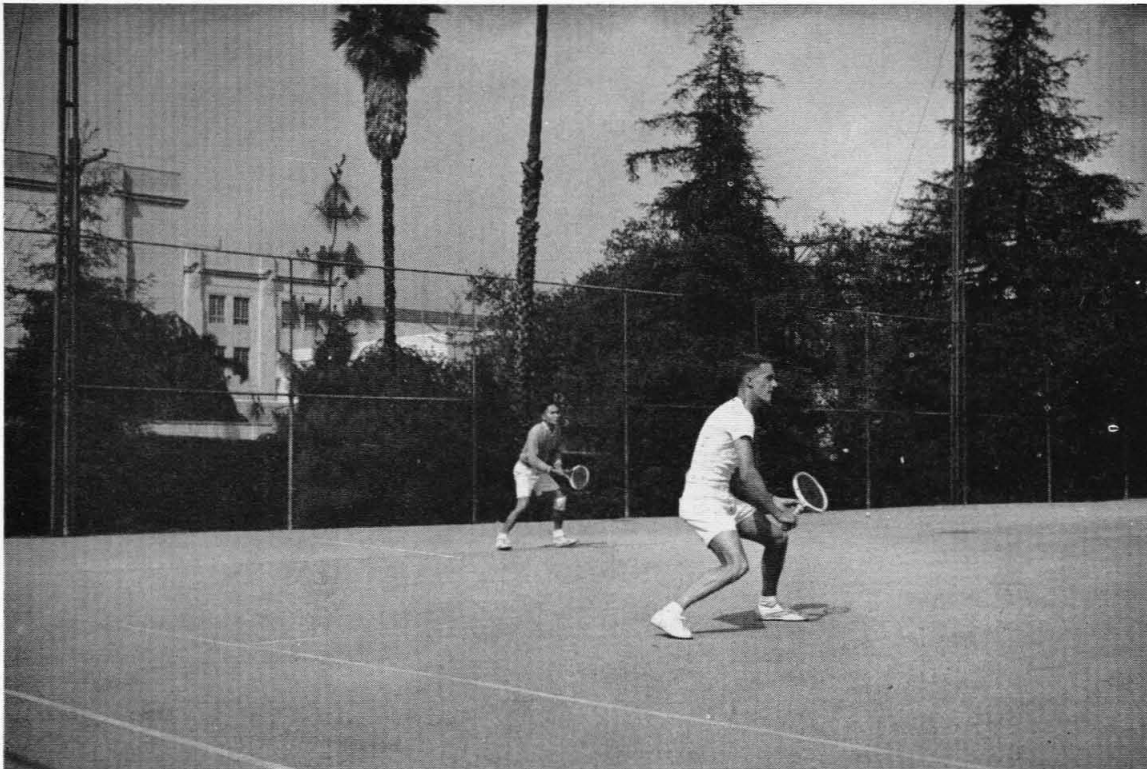


In the next conference clash, Whittier played host to the squad from Beaverland. Pulling one of the biggest surprises of the season, the Poets jumped on the Engineers and gave them a beating they'll not soon forget. Only two sets in the tournament went into extra games and the Tech men merely garnered four sets in all the play as they went down to defeat, 9-0. Coach Lamb was somewhat dismayed, especially after the fine showing the week before against Oxy.

The netmen have plenty of matches left and could set the courts afire once they get that old fire themselves. Coach Lamb has worked hard with the squad and has a fine team. Undoubtedly, they will come through as the season progresses and end up in the running, giving a rugged fight to every opponent.

**Top: Capt. Jim Suhrer, Ed Alexander.
Tom Hamilton, Ray Palmer.**

Below: Larry Nobles and Charlie Vadhanapanich get hot on a doubles set.



BASEBALL

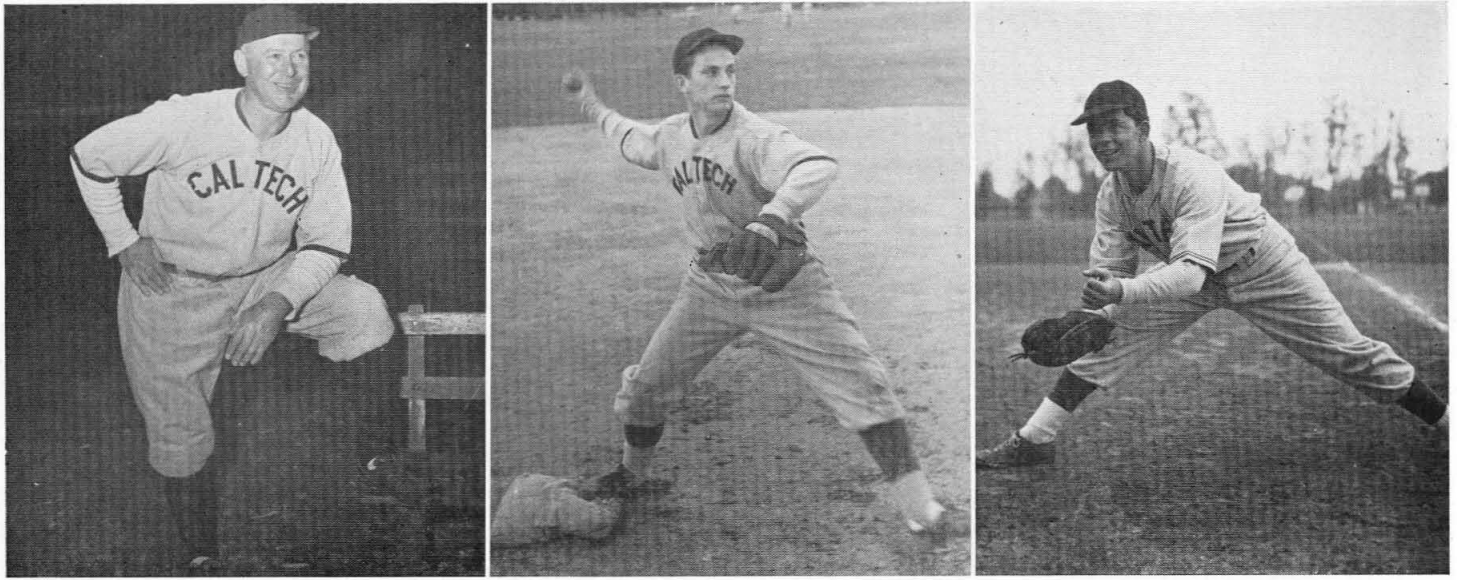


**Seated: McDonald, Butler, L. Hedrick, Spaulding, Boutelle, Norman, Sellen, Manager Sherriffs.
Back row: Coach Musselman, Burkeholder, Smith, Morrison, Holditch, McGinitie, White, Petrulas, Patterson, Lyon.**

Coach Musselman had a big job before him when about twenty men turned out for the first practice two weeks before the first game. Returning from last year's squad were Butler, Patterson, McDonald, L. Hedrick, McGinitie, Spaulding, and Petrulas. Two-year letterman John Mason returned to his first base spot. Additions to the squad that gave it strength were Smith, Morrison, B. Hedrick, Lyon, and Norman, a hot-shot Esquire player from San Diego.

The team started off slowly by losing to Pasadena JC, Muir JC, and Compton. But they gave the strong Pepperdine nine a real run for their money. The men from Tech played good ball with the exception of the third inning. This let-down was enough for Pepperdine to roll up seven runs. This proved too large a lead for the Beavers to overcome, as they lost, 11-5. Playing on an unfamiliar field, the team went to pieces the next Thursday and lost an unnecessary one to La Verne. Coming back the next Saturday, the Beavers picked up their first game from Chapman as McGinitie was credited with a win.

Opening the conference schedule, Tech journeyed to Whittier to take on the strong Poets. The Poets turned out to be as tough as reported and trounced Tech, 15-1. But the picture was not as black as the score paints it. While Whittier was collecting eleven hits, the Horsehidiers from Tech beat out eight, with Norman, Mason and L. Hedrick each getting two hits for four trips to the plate. Mason hit a triple and a double, while one of Hedrick's was good for two bases. But the difference came on the errors. Tech managed to mishandle the ball a total of eleven times in a single ball game. The Beavers' only score came when Chuck Norman scored in the ninth from third on a long outfield fly.



Above: Coach Hal Musselman, a man who knows baseball thoroughly and inspires his men to great heights. He has turned out some championship teams in his many years at Tech.

Co-Capt. Stu Butler, the spark of this year's team. A returning letterman, he has covered the second base spot superbly all year.

Co-Capt. Lang Hedrick, a returning letterman. Lang handles first part of the time and does a fine job pitching the rest, as was shown in the Redlands game.

Below: Coach Musselman gives the boys some pointers.

Oxy came to bat next at Tournament Park. The Beavers came within a strike of winning this one. The game was close until the ninth inning as both teams played tight ball. Going into the ninth, things looked good for Tech as they led, 7-5. The first two men went down easily under Hedrick's fire. With two away, a single advanced a man to third. Hedrick got two strikes on the next batter. He hit a lazy fly and it fell in right field just short of Patterson's glove. That was the break in the dam and seven runs poured through before Tech could stem the tide. Oxy walked away with the ball game, 12-7. Runs were collected by Patterson, Petrus, L. Hedrick, McGinitie, and three by Norman.



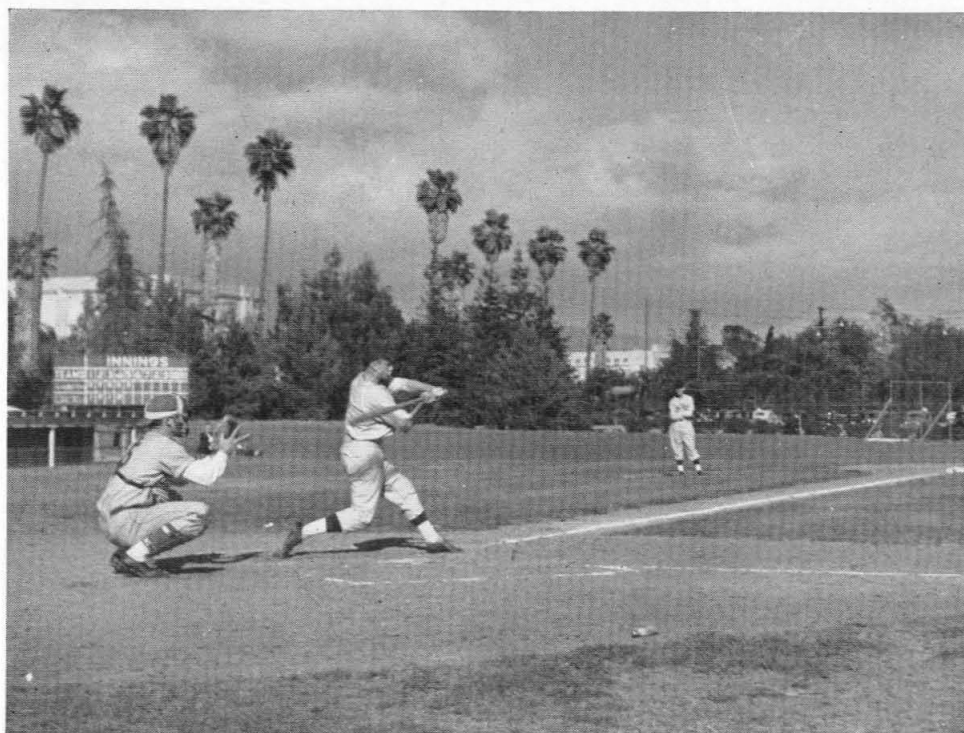


Redlands did not expect much trouble from Tech as they had beaten Oxy. But they soon found themselves in hot water as a result of this miscalculation. Tech took the lead early in the game and kept the Bulldogs in their place until the ninth inning. An error on the Tech team started what looked like a Redlands rally. They tied the ball game up. A sensational single-handed double-play by short-stop Chuck Norman saved the day. Chuck picked off a line drive and tagged the runner before he could get back to second. The score was tied up at 5-5. Tech's round at bat failed to change the score. Redlands came up and added a tally to make it 6-5. Tech tried hard, but couldn't put over another run in the tenth. The game ended with two men on base, and was a bitter defeat for Tech to take.

Above: John Mason, a two-year letterman. John, a southpaw, plays first base and outfield. He is a handy man to have at the plate.

Walter McGinitie, a top-notch pitcher and outfielder. Mac is credited with two wins so far this year and is one of the team's big stickers. Tom Petrulas, the rugged, fighting boy behind the plate. A returning letterman and a walk specialist. Often catches without a mask.

Below: Norman beats out a double.





Top: Dick Patterson, a hard-working centerfielder, batting in the No. 1 position. Pat is a returning letterman. Chuck Norman, shortstop and hitter deluxe. Also pitches in pinches. He came to Tech this year from San Diego, where he was all-CIF. Jack Smith, a frosh playing left field. A savvy baseballer with a good arm from outfield to home plate.

Center: Norman McDonald, two-year letterman, played on the championship team of 1945. Little Mac is a fine pitcher with lots on the ball and is a top-notch base coach. Don Morrison holds down third base, with a fast throw to first. A good man at the plate, too. Art Spaulding, the Daddy of the team, is a member of the Beaver pitching staff and returns from last year's squad.

Bottom: George Lyon, an outfielder with a big bat. A football two-year letterman, taking his turn at the gentleman's game. Bruce Hedrick, a frosh now playing outfield, but hopes to step in brother Lang's place as a Beaver hurler. Richartz, a fireball behind the plate and a morale booster. Shares the tough job with Petrulas.

The squad is fast improving as was shown in the Redlands and Oxy games. Pomona is of the same caliber as Oxy and Redlands, so the next game should bring Tech a victory. If the Beavers can keep the errors low and polish up their old hitting eye, they should win both Pomona games, the rematches with both Redlands and Oxy and give mighty Whittier a real game for their money. At any rate, the Beaver diamond men can be counted on to put up a good fight in any game and finish well up in the conference stading. Here is a lot of luck to go with their fight and let's hope it carries them to victories in the near future.



Top: "Doc" Hanes, Sellen, Curray, Marshall, Lundy, Shauer, Brown, Carroll.
 In front: Anderson, Peterson, Barnes.
 Below: Doug Brown, Lundy and Jack Marshall take the lead.

CROSS COUNTRY

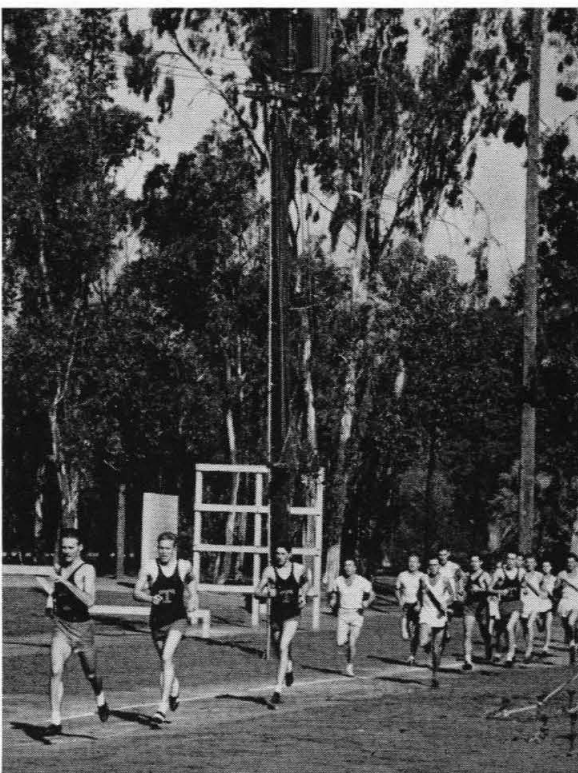
The Tech Harriers took on Pomona at Tournament park for the first meet. That was the closest meet of the season and defeat was bitter as the Sagehens walked off with the meet to the tune of 26 to 29. Doug Brown led the Orange and White boys with a second place and a time of 17:52.9, while Ken Shauer, Jack Marshall, Mike Sellen, and Joe Curray came in third, sixth, eighth, and tenth respectively.

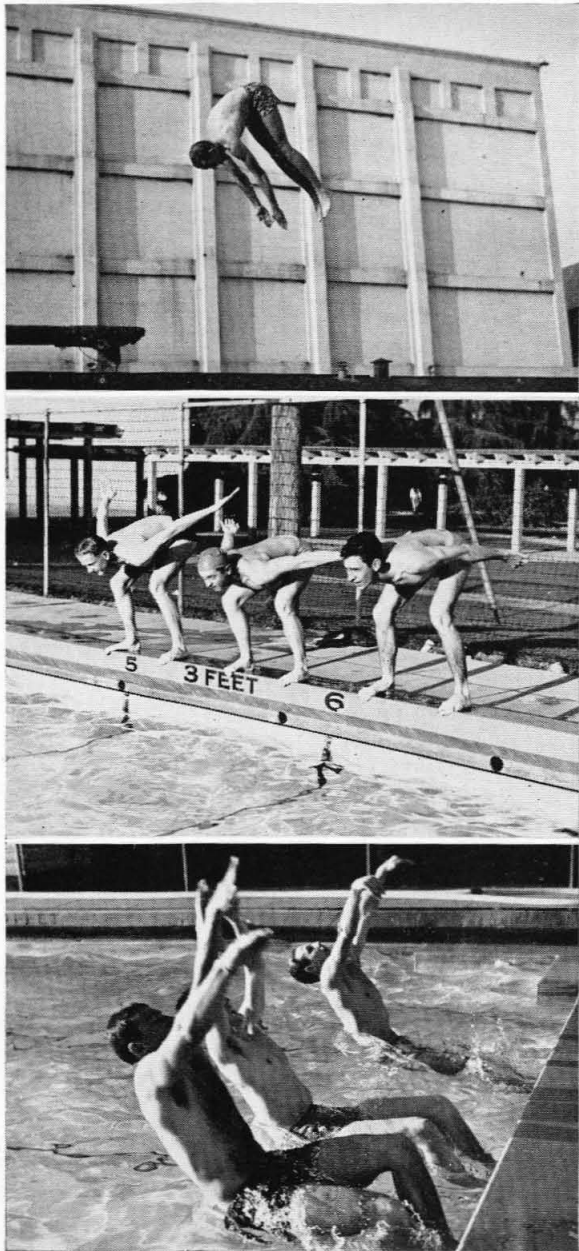
A three way meet was next on the schedule with UCLA and Compton. In this one, Tech ran up against some rough ones and the final score was Tech 77, Compton 44, and UCLA 19. Scoring for Tech were Ken Shauer, Doug Brown, and Jack Marshall.

When CIT met Redlands, Oxy, and Santa Barbara, the Beavers managed to topple Santa Barbara, but lost to Redlands and Oxy. There were some good times in this meet as Brown came in seventh with a 17:54.1, and Shauer finished eighth. The final score; Redlands 32, Oxy 50, CIT 54, and Santa Barbara 111.

In the last meet, Tech was nosed out by the other four conference members. Marshall led the Tech boys in thirteenth place with Curray and Shauer finishing fourteenth and fifteenth respectively.

The short season ended with Tech having beaten only Santa Barbara, but putting up a good fight in every race. With most of his team returning next season, "Doc" should turn out a team that will give all comers a bad time.





SWIMMING

In the first meet of the season, Tech took on the mer-men from Redlands. Although outpointed, the splashers from CIT were in the meet all the way and the final outcome depended on the final event — the 440-yard relay. McKenna led the way, taking a first in diving, while Montgomery came in ahead to take the 150-yard backstroke and Palmer took the 200-yard breaststroke. This first meet was very promising and Tech should give everybody a good fight for the points. The final score after the mist cleared away was Redlands 43, Tech 32.

The next week, the ambitious Techsters took on the conference champs from Oxy. The weather was fine, but Oxy was just too tough. The whole team put up a terrific fight all the way. Montgomery and Palmer shone for Tech that afternoon as they walked away with the 150 backstroke and the 200 breaststroke, respectively. Also adding points to the Tech score were Harris in the 50 free, Houser in the 220 free and the 440 free, while McKenna took second from the high board. But, in spite of these mighty efforts, Tech came up on the shorter end of the score by a count of 29 to 46.

With most of the season still to come and mighty Oxy out of the way, the splash boys from Tech should go on to several victories this season. At any rate, they can be counted on to give every opponent a real fight.

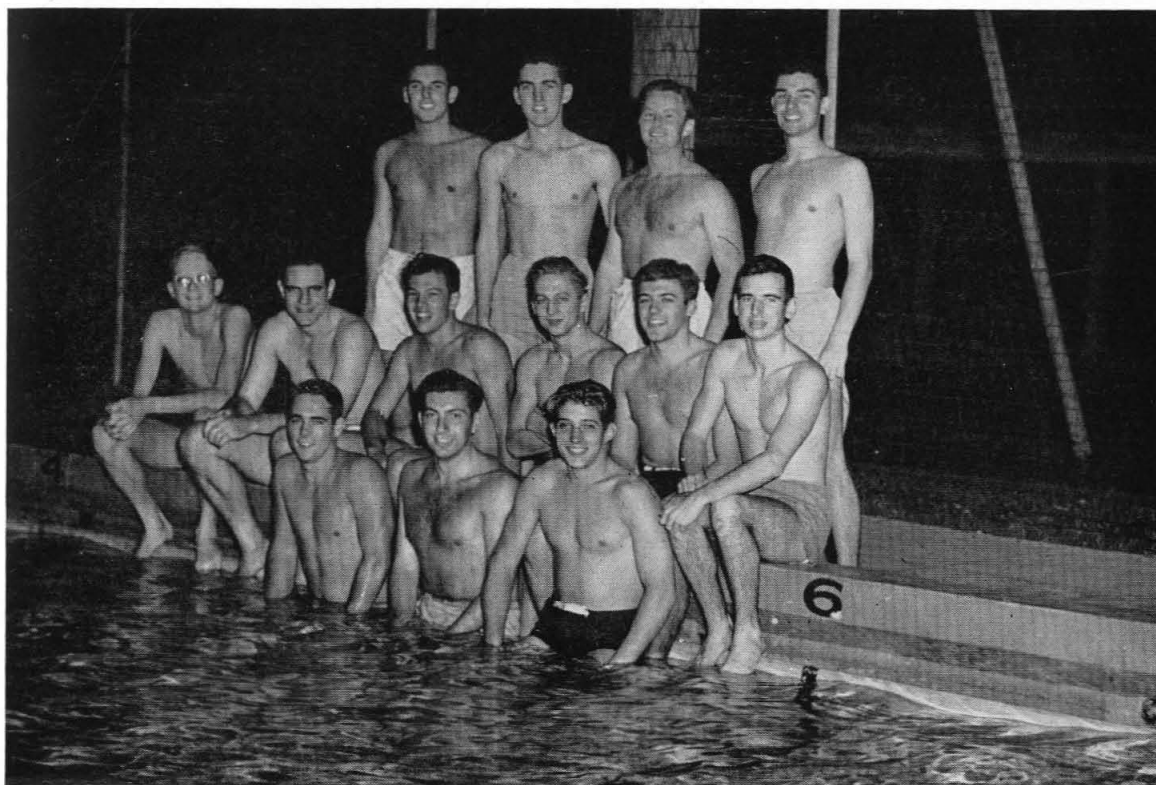
Top: Scull takes off on a high dive.

Dixon and Murphy prepare to beat a Pomona man in the 220. Montgomery and Hall get a lead off in the backstroke.

Bottom: Manager Schnieder, Coach Bob Merrick, Prevost, Sturdevant, Hall, Harris, Murphy, Montgomery, Eschner, Curry, Palmer, Robinson, Scull, Dixon, Waters. Adams, McKenna, Houser, Schaafsma, Rosener, Mitchell.



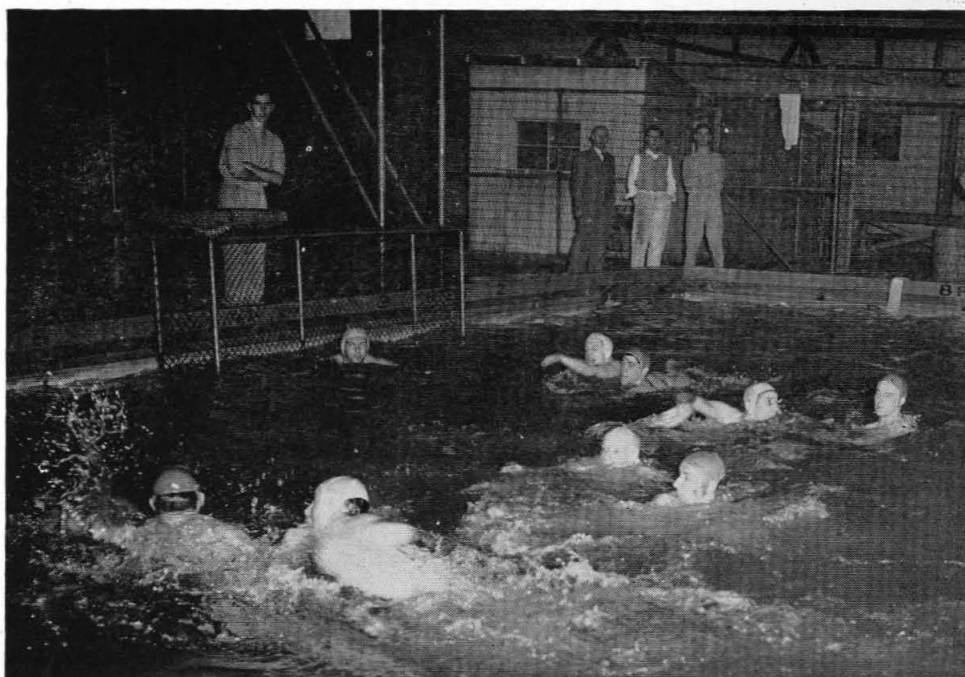
WATER POLO



**Top: Eschner, Hall, Waters, Smyth.
Dixon, Kenney, Hurley, Murphy, Palmer, Whittlesey.
Reinicke, Eimer, Wilson.
Below: The splash team in action.**

The Tech splash boys ran into lots of trouble this year. Every team was loaded down, while Tech was hampered by lack of experienced replacements. But the eager Beavers put up a good game fight in every encounter. The Oxy game was outstanding. The Beaver tankmen outplayed the Tigers throughout the second half, racking up 5 points to their 3. But the lack of replacements showed as Palmer, Dixon, Wilson, Waters, and Murphy tired under the gruelling pace. Another good game was the one with Fullerton. Fullerton had one of the best teams in the country. But the outclassed Tech men were never outfought. A vote of thanks to Captain Chuck Murphy and Coach Bob Merrick for their fine work.

UCLA 10	CIT 3
CIT 4	Compton 13
Compton 6	CIT 4
CIT 3	UCLA 13
CIT 3	Fullerton 19
CIT 7	Loyola 16
CIT 6	Oxy 9
El Camino 12	CIT 12



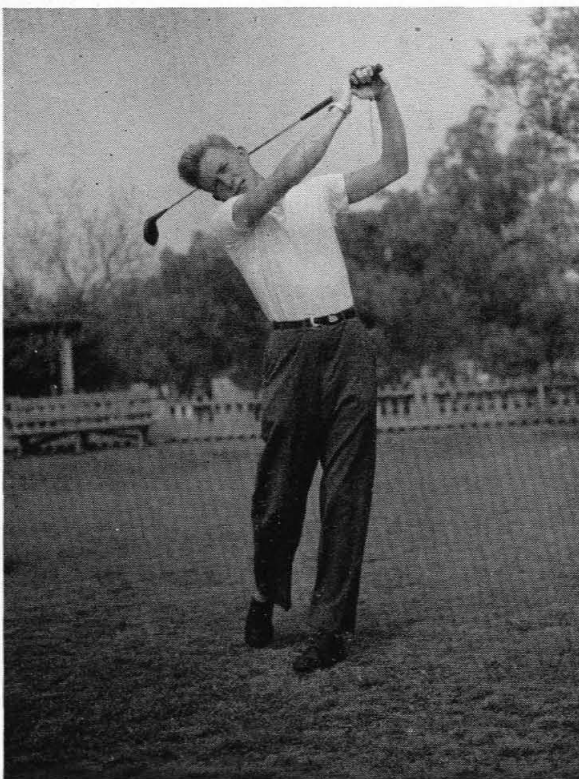
GOLF



The golf team, under Coach Anderson, is having a fine season. This proves there is some country club material at Tech. To open the season, the team coasted to a 14 to 4 victory over Whittier on the difficult Hacienda Country Club course. In this play, only one match was lost. Capt. Jerry Harrington came up with the fine score card reading a 1 under par 70. The squad showed great promise with Revay, Douglas, Moore, Burrows, and Benton looking good off the tee and on the greens.

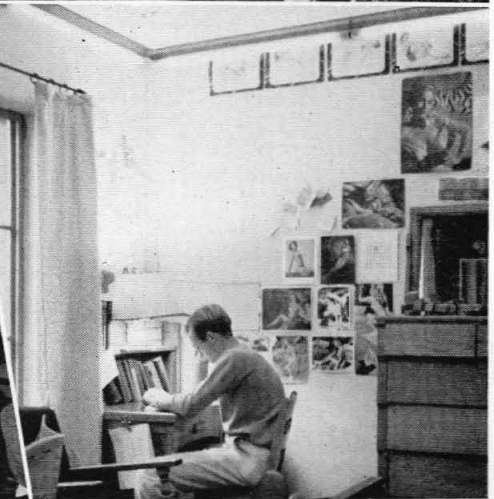
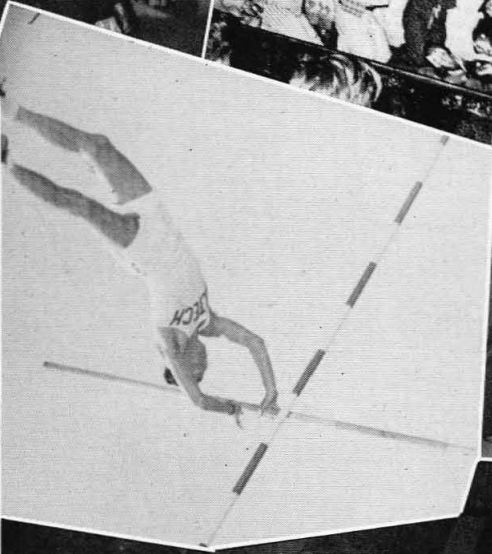
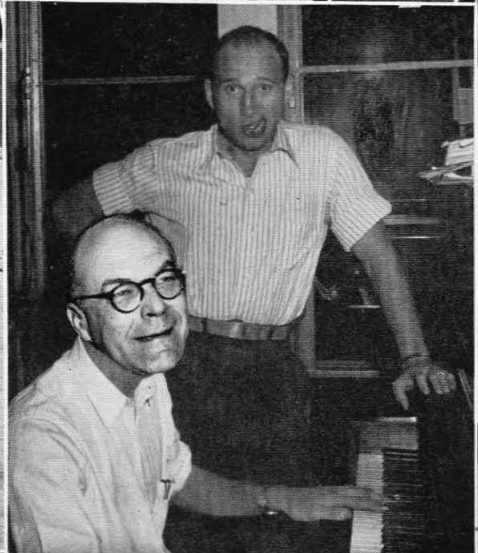
The next foe to go down under the woods and irons men from Tech was the Redlands Country Club boys. Losing only one match in six, the Beavers took an easy one from the Bulldogs. The score, 14½ to 3½. Harrington came up with a 74, Revay 77, and Douglas 79 to lead the victory parade.

The squad is a match of any in the conference and appears to be well on its way to a conference championship. Pomona is the team to beat. If the Beavers can get by the Hens all right, they shouldn't have to worry. A word of appreciation is to be handed out to all that had a hand in the molding of this fine team.



Above, back: Moore, Benton, Harrington, Moffet.
Front: Burrows, Douglas, Revay.

Below: Capt. Harrington tees off.



ACKNOWLEDGEMENTS

Probably no one man has contributed more to the success of the Big T than Arnold Nevis. Besides running his own highly important photography department, he has worked closely with Tom Tracey on layouts, and the two of them have done much to keep the other departments running smoothly. Leigh Sheriffs has given generously of his technical knowledge and experience, and Dick Alexander, as treasurer of the ASCIT, has contributed far more than simple duty would require. Considering the late date at which Joe Green took over the job of Business Manager, he has done as much as could be expected of him, showing great dexterity in extracting money from various sources, while holding down costs with an iron hand. Without exception, each and every member of the staff has done the work assigned him, and in a few cases have even come close to meeting the proper deadlines.

We must thank Bill Brightman and Ace Adams of the Gould Printing Company for their cooperation, and compliment them on their fortitude in the face of our amateurish blunders. Jack Cannicott of the Los Angeles Engraving Company, as usual, has been invaluable as a source of information and advice, as well as performing the expected professional services. The Walraven Company has worked hard to insure satisfaction with the covers and binding.

Charles B. Shaw, Jr., Editor





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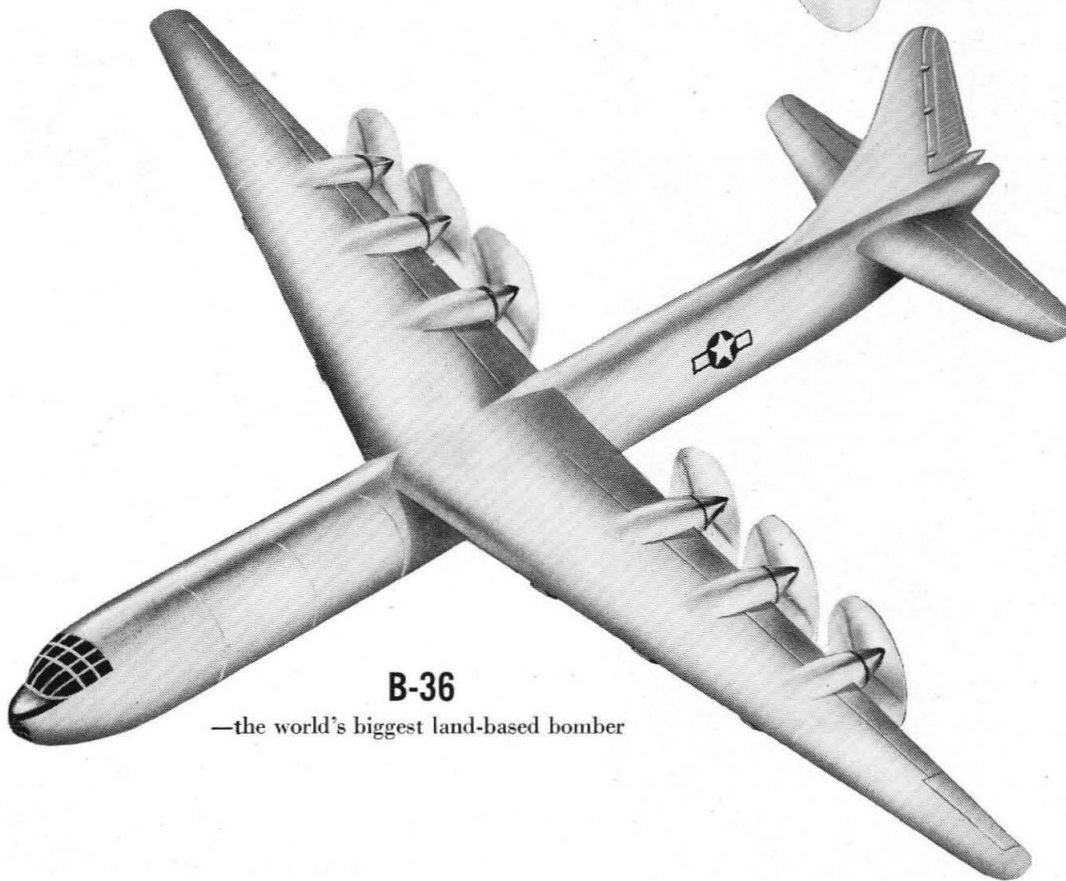
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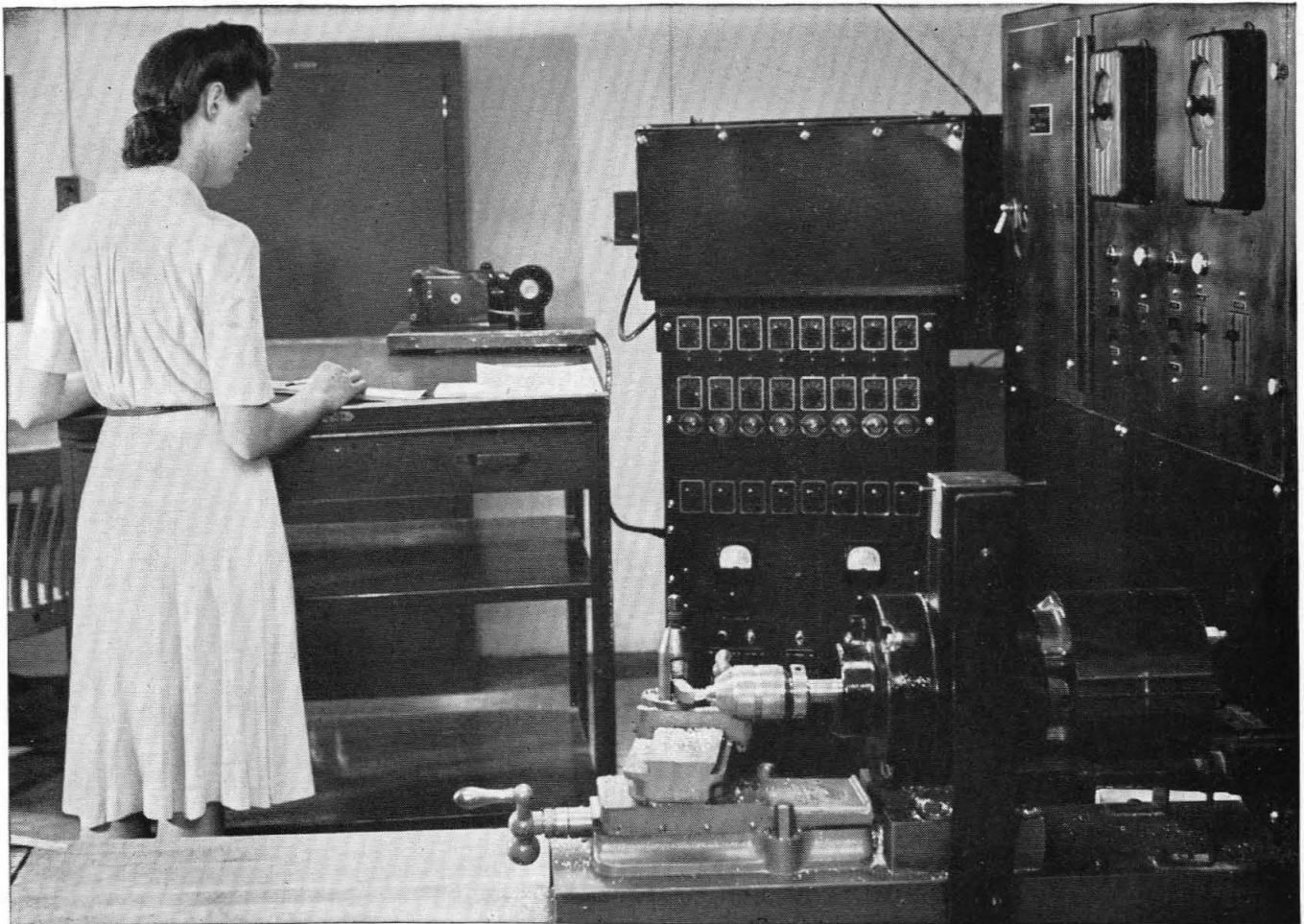
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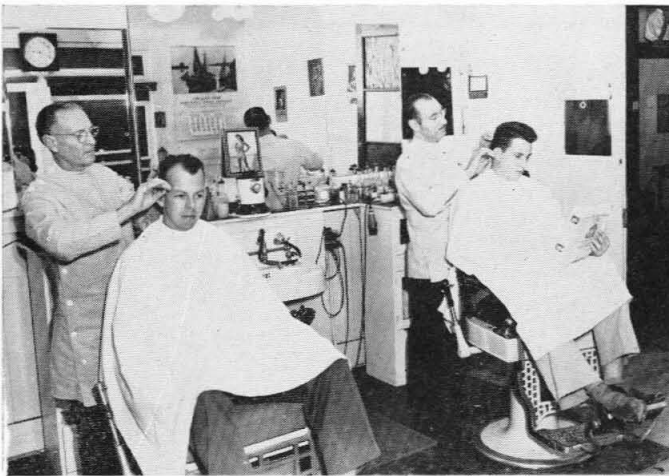
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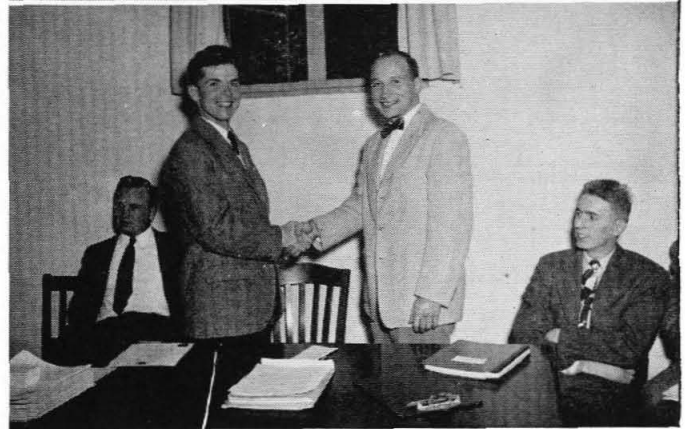
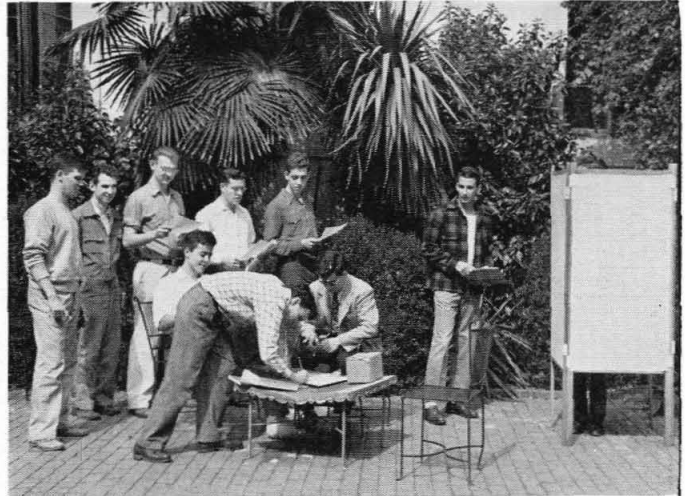
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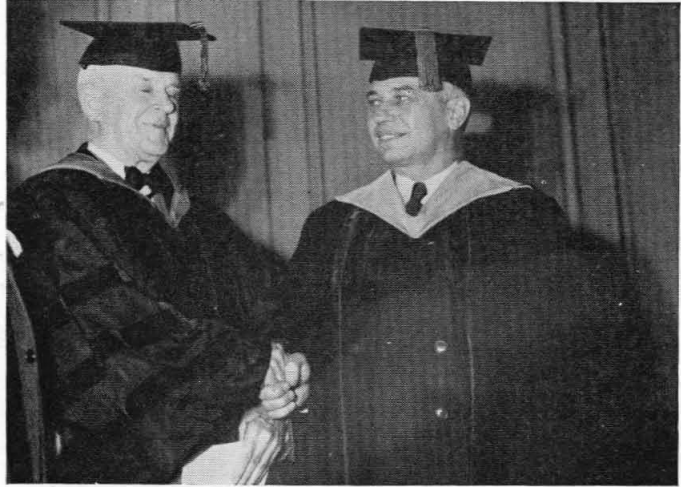
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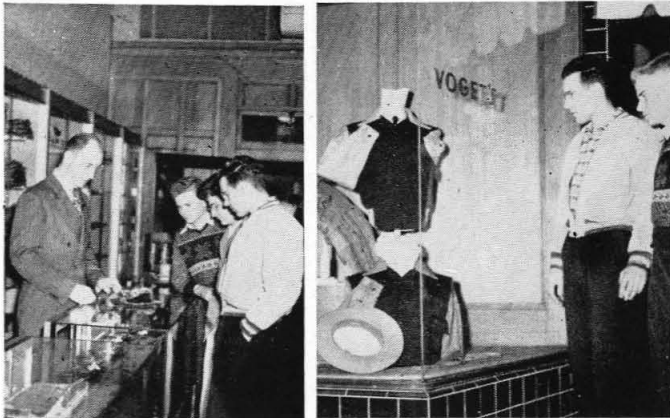
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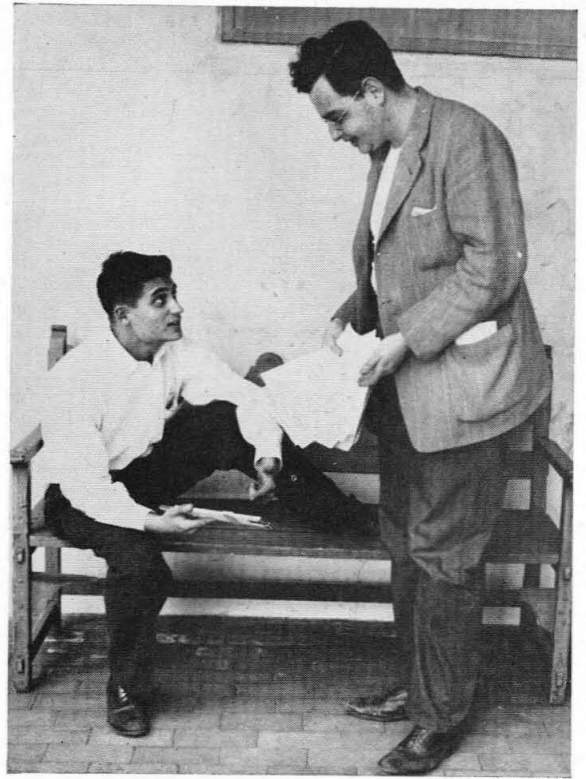
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