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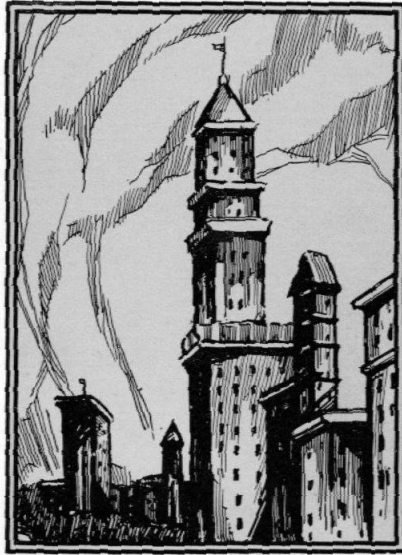
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*Manager*

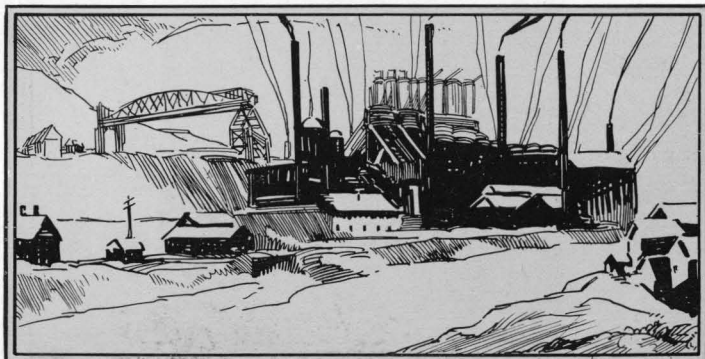
# THE BIG T



1 9 2 7  
VOLUME 17

PUBLISHED BY  
THE ASSOCIATED STUDENT BODY  
OF THE  
CALIFORNIA INSTITUTE OF TECHNOLOGY





## FOREWORD

*W*OVEN through the pages of this volume is the spirit of Science and Engineering. It is an effort to preserve adequately and fairly in living form one brief period of college history.

To some of its readers it is the closing page of a college career, and it is our hope that when, in future years, they turn its pages they may, in memory, walk again the halls of the Institute.



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*Humor*

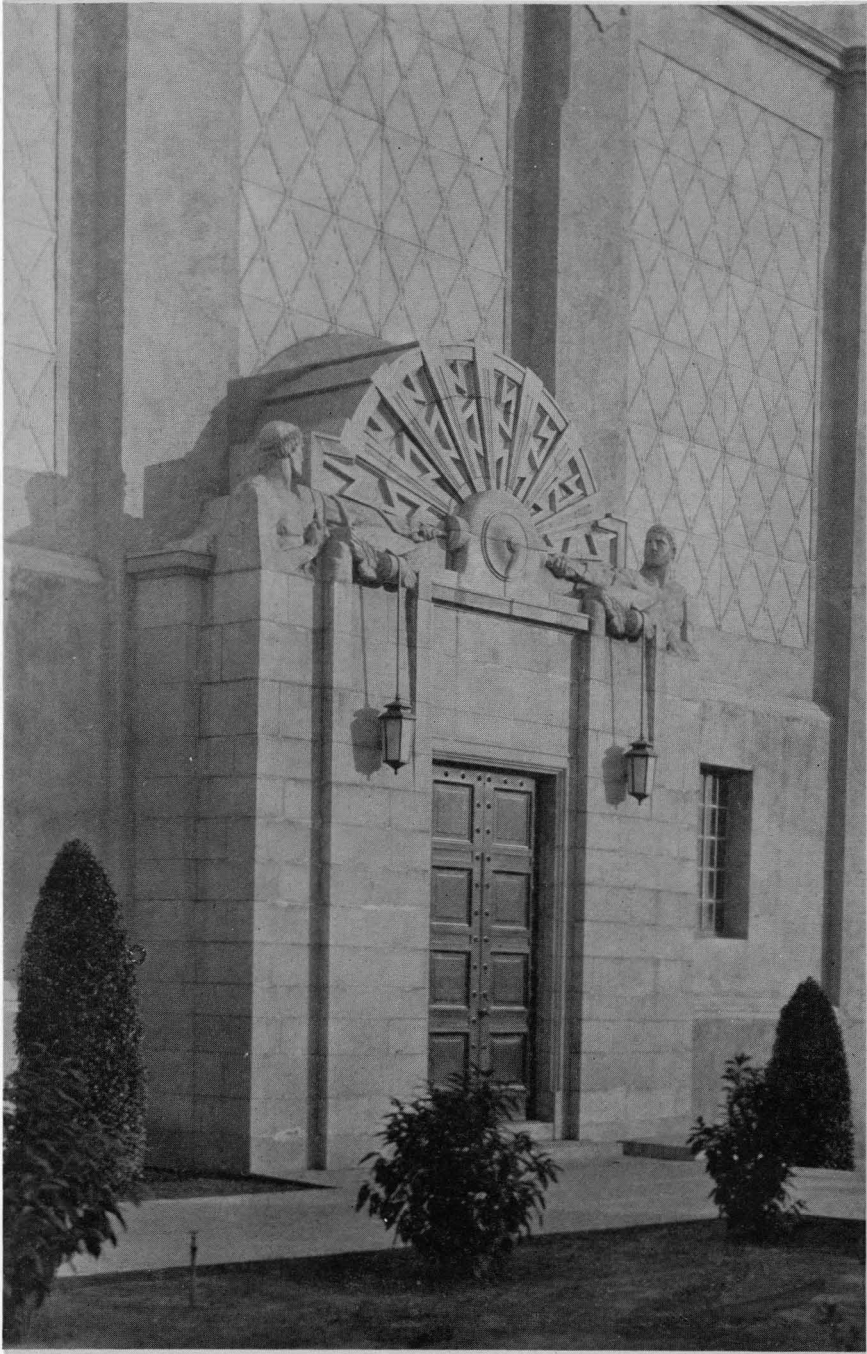


## DEDICATION

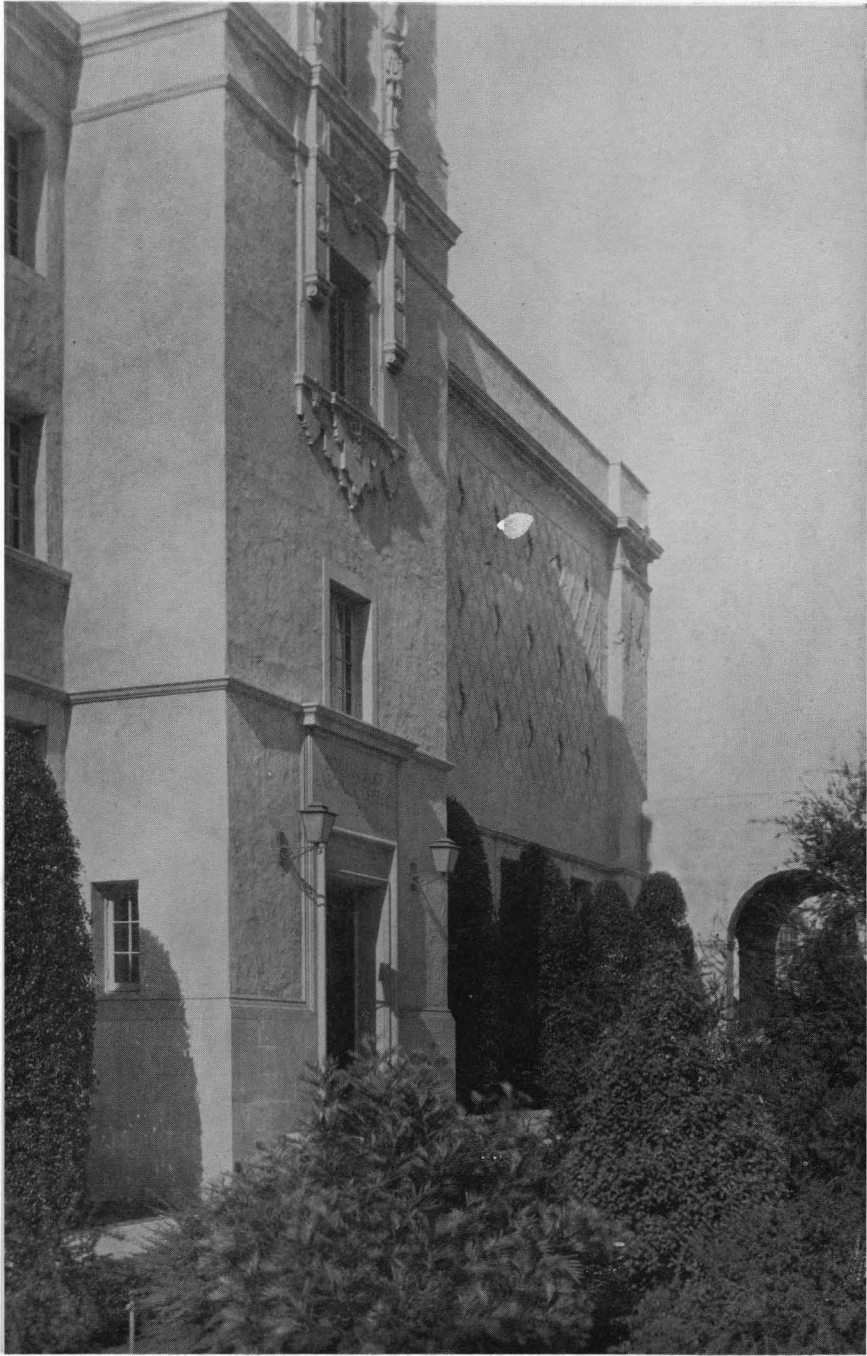


*TO A SINCERE FRIEND, the most loyal of all supporters of intercollegiate and intramural athletics at our Institute, a man of genuine merit.*

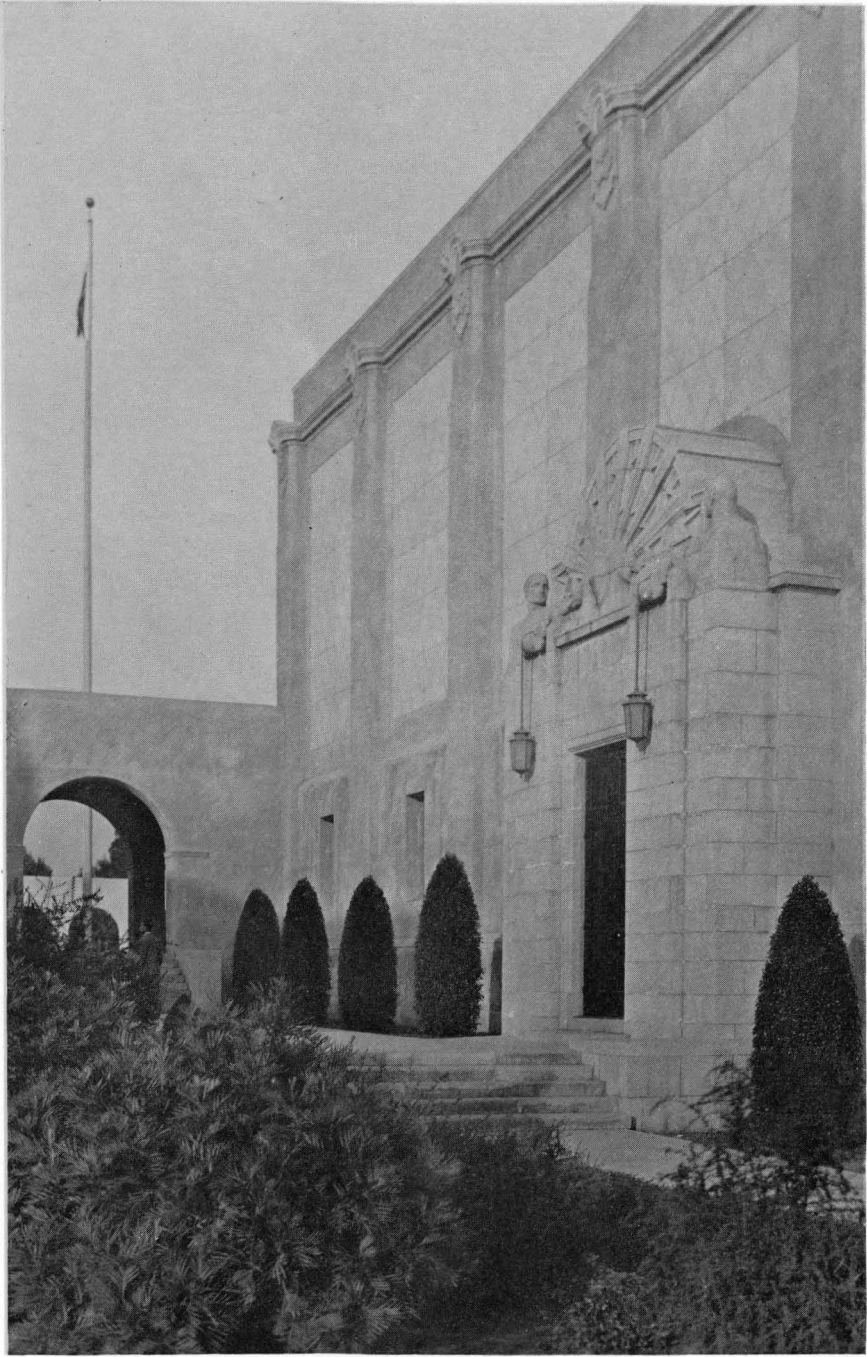
*Our memories of Coach Stanton will endure because of his prime interest in the physical well-being of every student with whom he came in contact.*







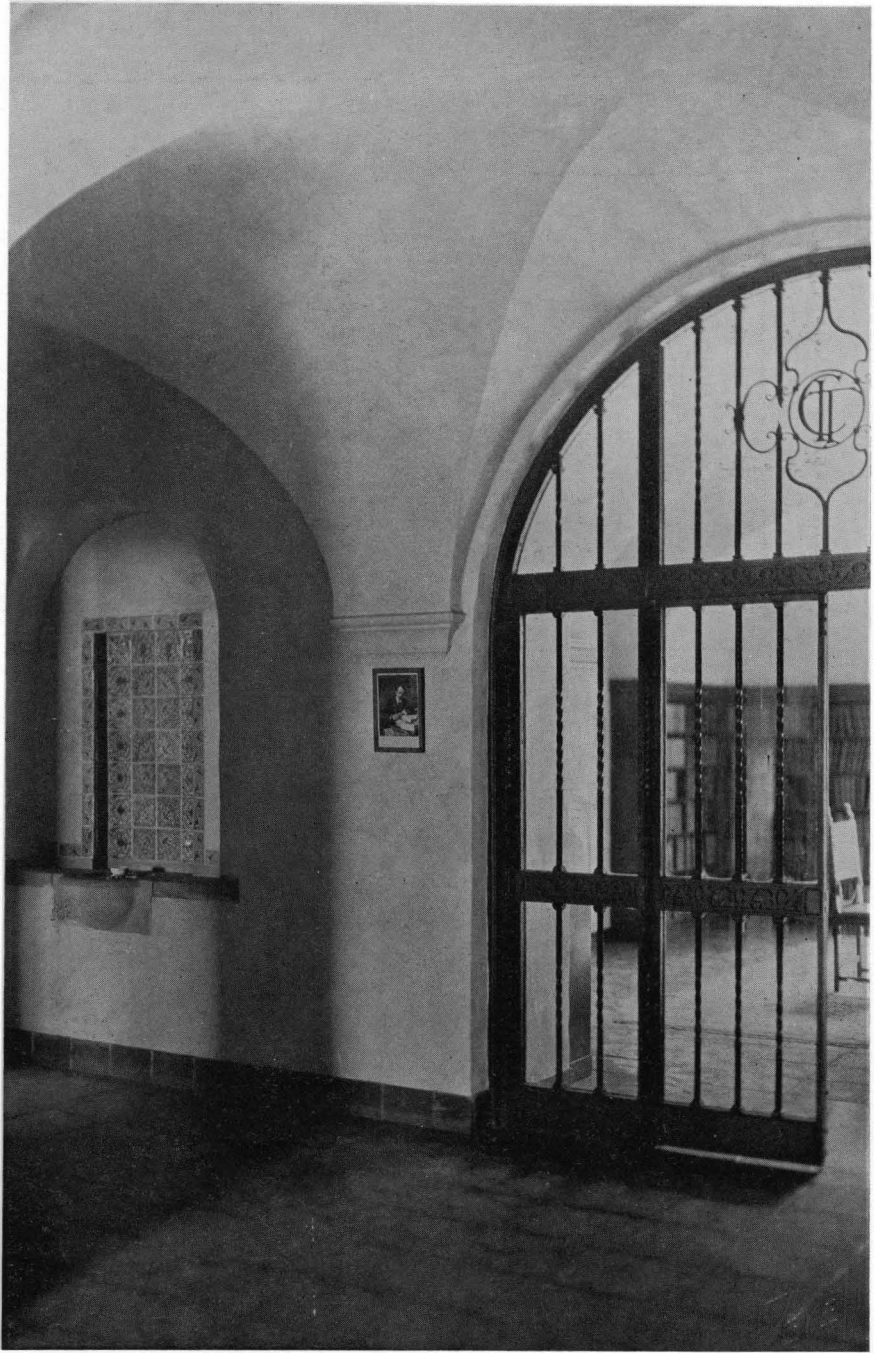


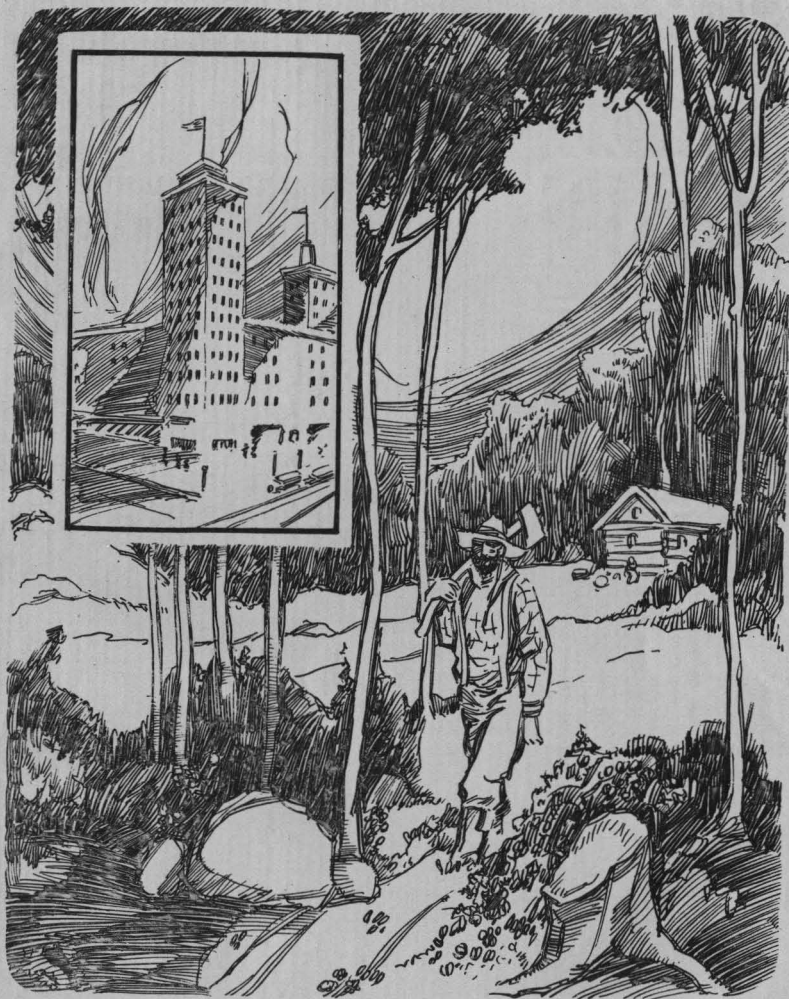






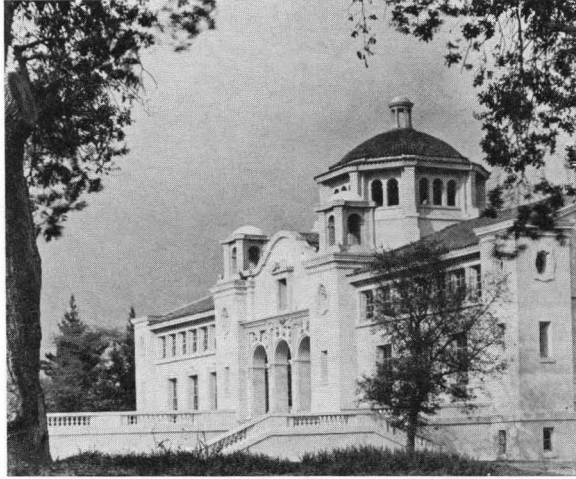




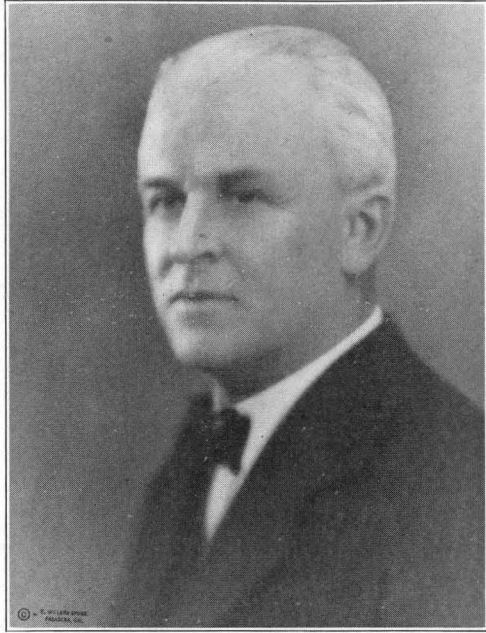


# THE INSTITUTE





## ADMINISTRATION



DR. ROBERT A. MILLIKAN  
President of the Executive Council

“From my point of view there are two things of immense importance in this world, two ideas or beliefs upon which, in the last analysis, the weal or woe of the race depends, and I am not going to say that the belief in the possibilities of scientific progress is the most important. The most important thing in the world is a belief in the reality of moral and spiritual values. It was because we lost that belief that the world war came, and if we do not now find a way to regain and to strengthen that belief, then science is of no value. But, on the other hand, it is also true that even with that belief there is little hope of progress except through its twin sister, only second in importance, namely, belief in the spirit and the method of Galileo, of Newton, of Faraday, and of the other great builders of this modern scientific age—this age of the understanding and control of nature, upon which let us hope we are just entering.”

ROBERT A. MILLIKAN.

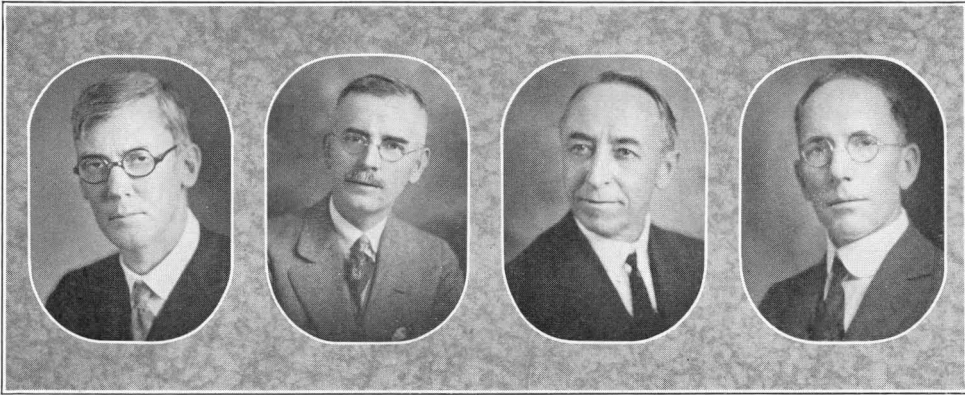
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The BIG T of '27

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HINRICHS

MACARTHUR

BARRETT

VAN BUSKIRK

Upperclassmen have always found in Dean F. W. Hinrichs, Jr., a friend and advisor whose sympathetic aid and understanding guidance are of the greatest value. Long schooled in the ways of the world and well acquainted with the problems of the student, Dean Hinrichs each year has been able to help a great number of men, who, for want of his guidance, might have been forced to leave the Institute. Students have known Dean Hinrichs as a severe critic, but withal, as a kind and sympathetic teacher whose advice is always wise. Thoroughly interested in every branch of student activity, Dean Hinrichs comes into contact with practically every student at some time in his undergraduate career. His keen interest in all phases of student life has won for him a warm place in the hearts of the men of California Tech.

The office of Dean John R. Macarthur has been a mecca for all freshmen ever since Dr. Macarthur was appointed as Dean of the first year men. During the college year practically every freshman comes into direct contact with Dr. Macarthur in a number of different ways. He has shown himself always willing to aid the men who seek his advice and kindly help, and the guidance and instruction afforded by his weekly lectures in Orientation are of genuine benefit to each member of the class. Dr. Macarthur has demonstrated an interest in the problems of every man in the class from the highest honor student to the man who finds difficulty in mastering his subjects. The freshman class and, of course, the college as a whole are deeply indebted to Dr. Macarthur, a kindly friend, a willing guide and an interested teacher.

As secretary of the Executive Council, Mr. E. C. Barrett has played a big role in the life of the Institute. It is chiefly through him that the undergraduates come into contact with the guiding forces of the college. Ever willing to listen and to aid, Mr. Barrett has gained the sincere admiration and respect of all who know him.

Guardian of the records and keeper of the secrets, Professor H. C. Van Buskirk has made the office of the Registrar assume a part in student life. With the assistance of Miss Dierkes, the Registrar's office has promoted the interest of the students in keeping their records clear and up-to-date, and each day the student body realizes more forcefully its indebtedness to Professor Van Buskirk and his capable assistants.

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THE BOARD OF TRUSTEES

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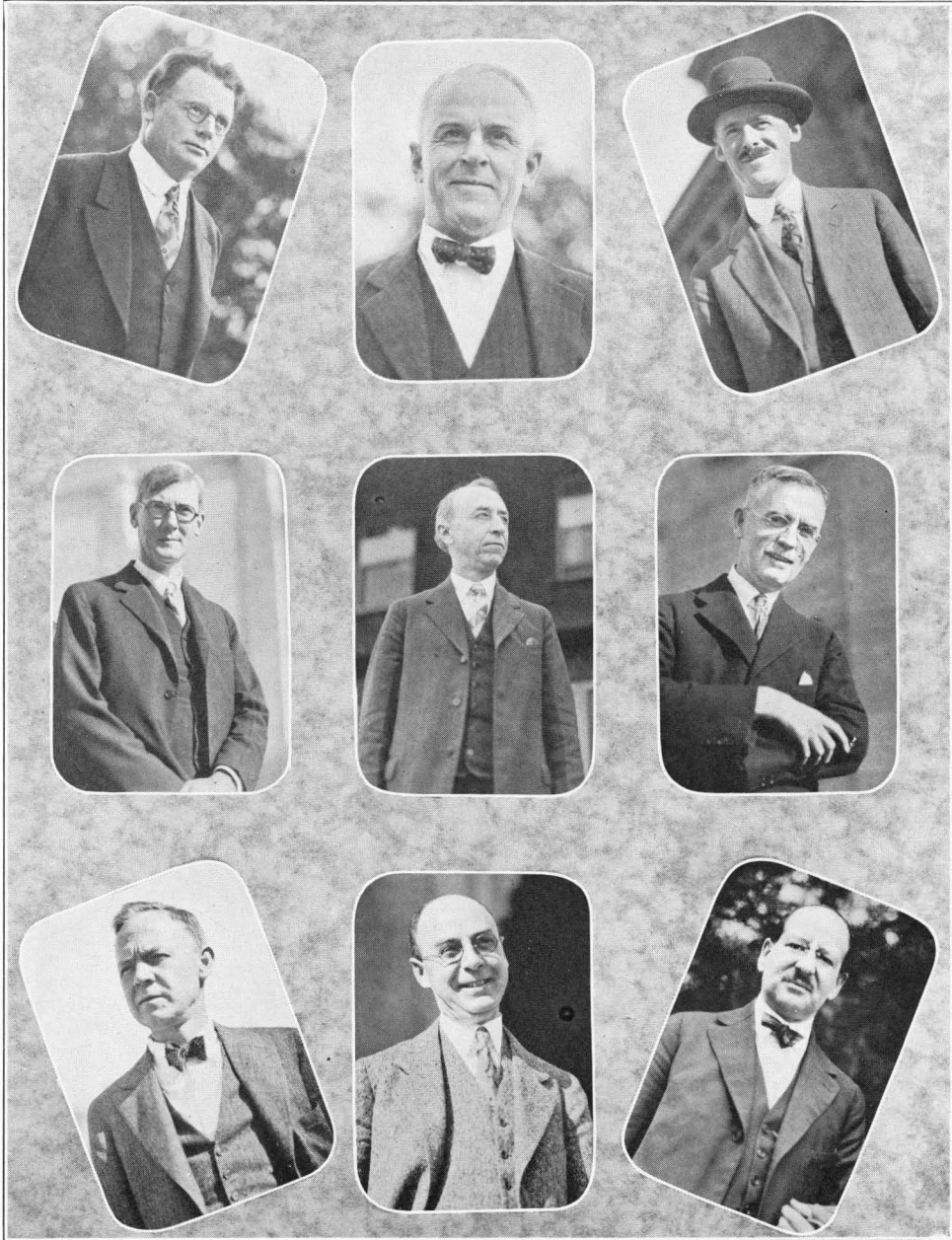
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## FACULTY



SORENSEN  
HINRICHS  
JUDY

MILLIKAN  
VAN BUSKIRK  
MACMINN

BUWALDA  
MACARTHUR  
EPSTEIN



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DAUGHERTY  
OGIER  
LAING

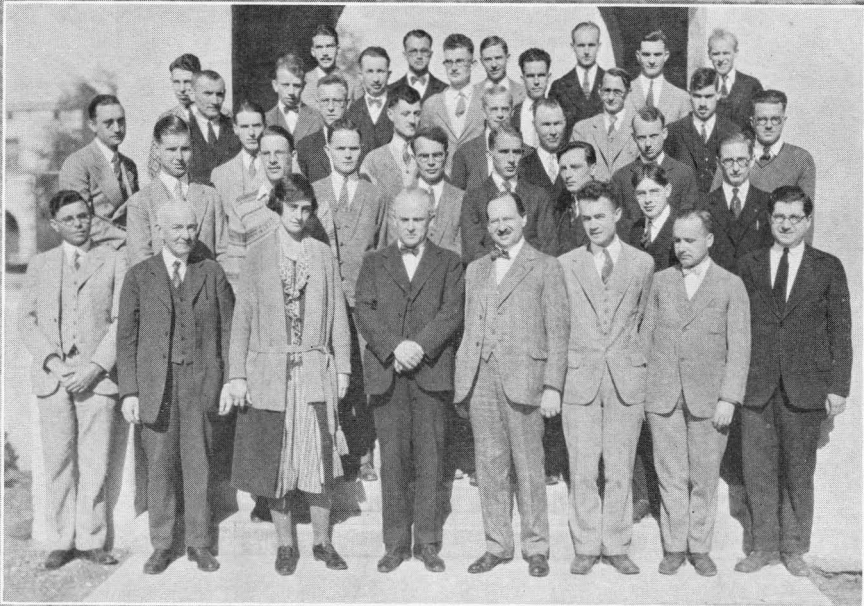
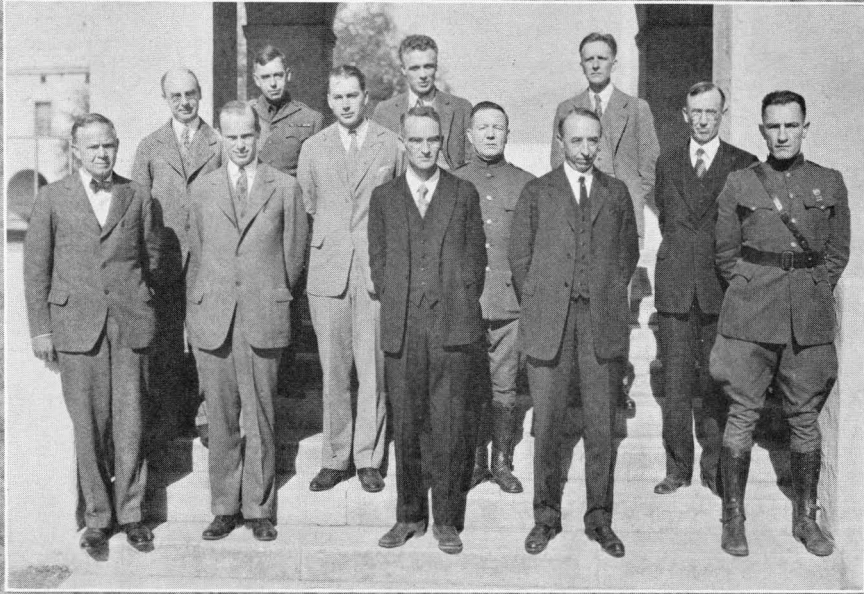
MICHAEL  
WATSON  
BATEMAN

ADAMS  
CLAPP  
THOMAS

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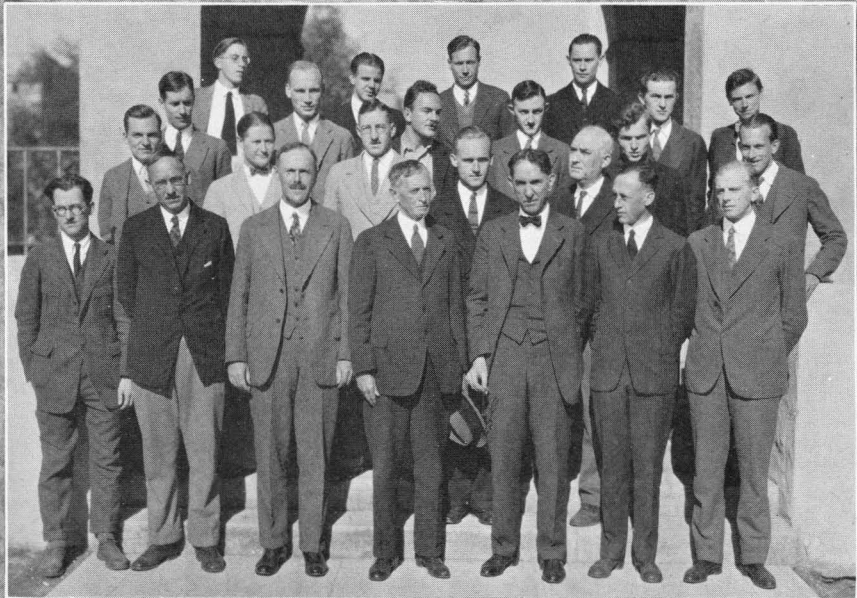
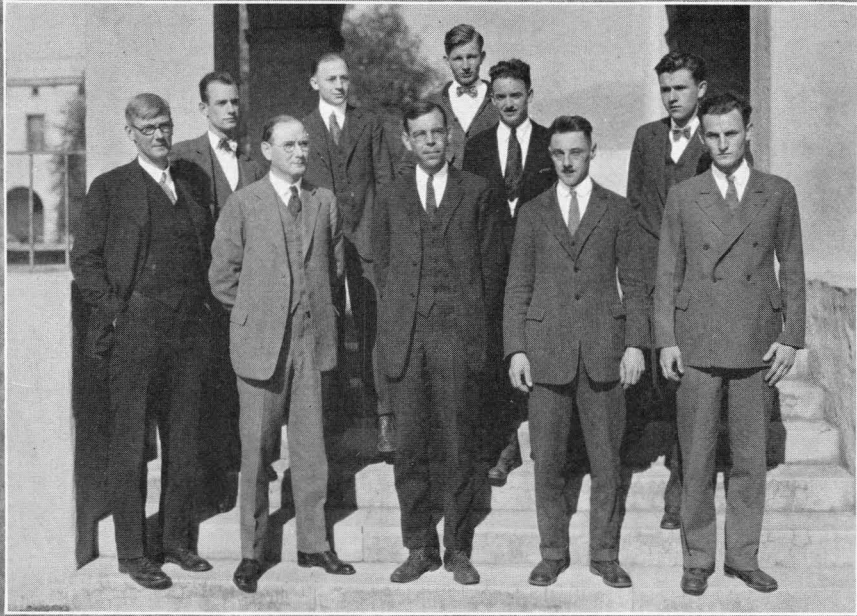


DEPARTMENTS OF MATHEMATICS, AERONAUTICS, MILITARY  
DEPARTMENT OF PHYSICS

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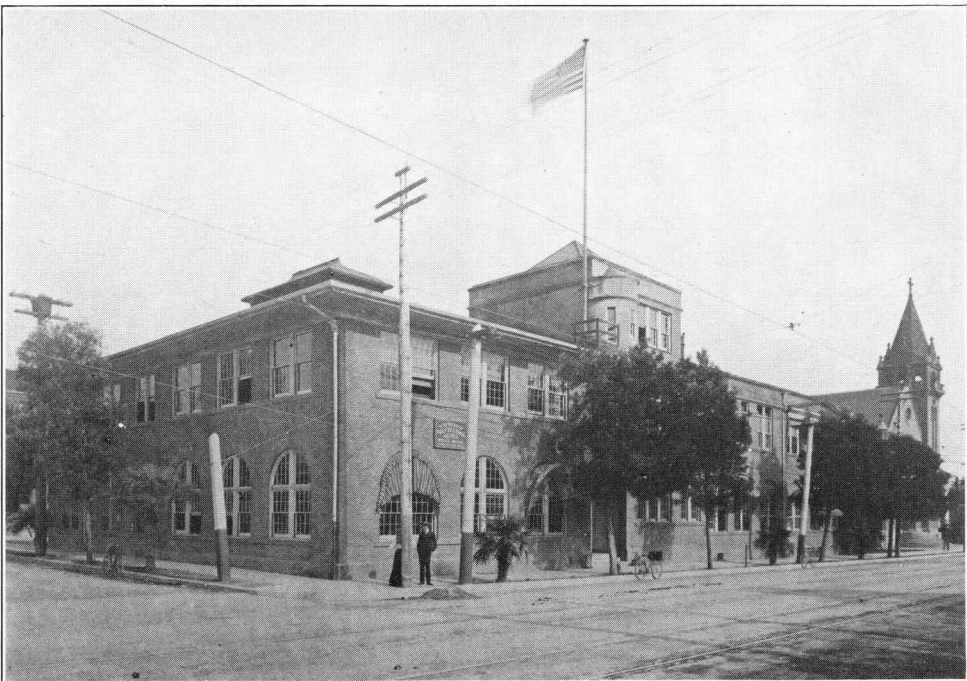


DEPARTMENTS OF CIVIL, MECHANICAL, ELECTRICAL ENGINEERING  
DEPARTMENTS OF CHEMISTRY AND GEOLOGY

## HISTORY OF THE INSTITUTE

The present California Institute of Technology was founded in 1891 by Amos G. Throop, at the corner of Fair Oaks and Kansas Streets, Pasadena, and was known when first opened as Throop University. In 1893 the Board of Trustees decided to make the Manual Training and Polytechnic Departments the leading features of the institution and accordingly changed the name to Throop Polytechnic Institute. It was the pioneer manual training school on the Pacific Coast, and was widely known for its high standards and thorough work. Several departments were added to meet the increasing needs of the community until in 1902 the Institute consisted of five schools: the College, the Normal School, the Academy, the Commercial School and the Elementary School.

In 1908 the present campus, then comprising 22 acres, was given to the Institute for the accommodation of the college and with the acquisition of this site, the Board of Trustees decided they could best serve the needs of the future by developing on the campus a non-coeducational, technical and scientific college ranking second to none. In accordance with this plan the Elementary School was discontinued in 1908 and the Academy in 1910. Pasadena Hall, the first building on the new campus, was dedicated in 1910 and Dr. James A. B. Scherer was installed as the first president of the new college, then having a student body of thirty-one and a curriculum leading to a B. S. degree in Civil, Mechanical, or Electrical Engineering. Under the leadership of Dr. Scherer the college grew to an enrollment of 400 in 1920. To accommodate the



OLD THROOP ACADEMY

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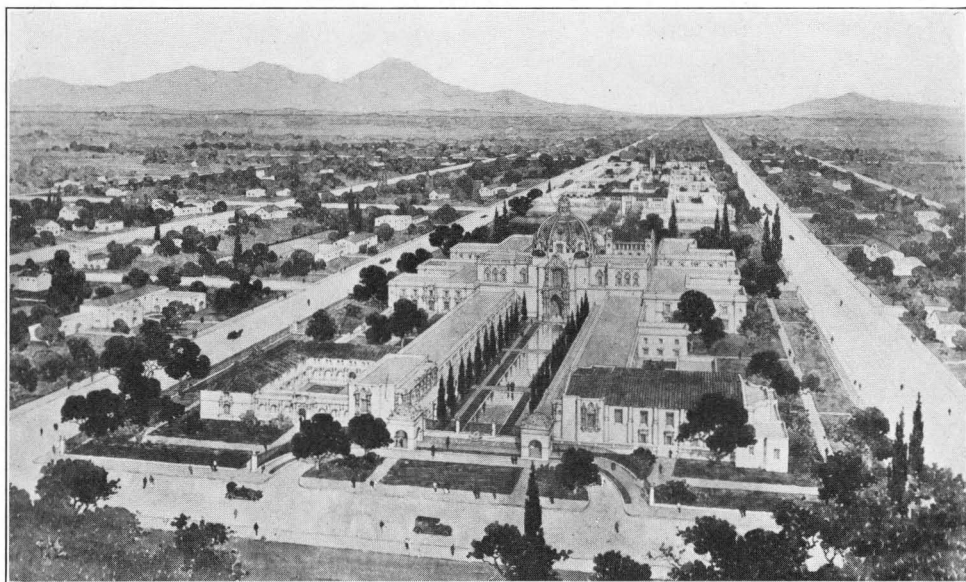
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increasing number of students the Gates Chemical Laboratory was built in 1917 and shortly after that the Norman Bridge Laboratory of Physics was completed, both offering the most modern facilities for scientific work. Courses were then offered leading to degrees in Physics and Chemistry. To utilize these advantages more fully, Dr. A. A. Noyes was appointed head of the Gates Laboratory and Dr. R. A. Millikan head of the Norman Bridge Laboratory.

To denote more exactly the scope of the institution, in 1913 the Board of Trustees changed the name to Throop College of Technology. In 1920, owing to the great increase in scientific research at the college and the rapid transformation into an institution of national importance, the college was again renamed, this time becoming the California Institute of Technology. At this time the name of Pasadena Hall was changed to Throop Hall in memory of the founder of the college.

In 1920 Dr. Scherer was forced to resign as president because of ill health and Dr. Millikan severed his connections with the University of Chicago to become permanently connected with the Institute. At this time the dream of the founders of the Institute in 1908 has been realized and California Tech has become one of the nation's leading scientific and technical colleges, with promise of a brilliant future. To keep pace with this development, there has been added since 1920, eight acres to the campus, the second unit of the Norman Bridge Laboratory, a High Voltage Research Laboratory, a steam plant for engineering research, and another wing to the Gates Chemistry Laboratory. The Department of Geology was added in 1925 and in 1927 the Daniel Guggenheim Fund established a graduate school of aeronautics. To afford opportunities for research and testing, a new Aeronautics Building is to be erected immediately. And lastly, a Humanities Building is expected before long.



THE PROPOSED CAMPUS

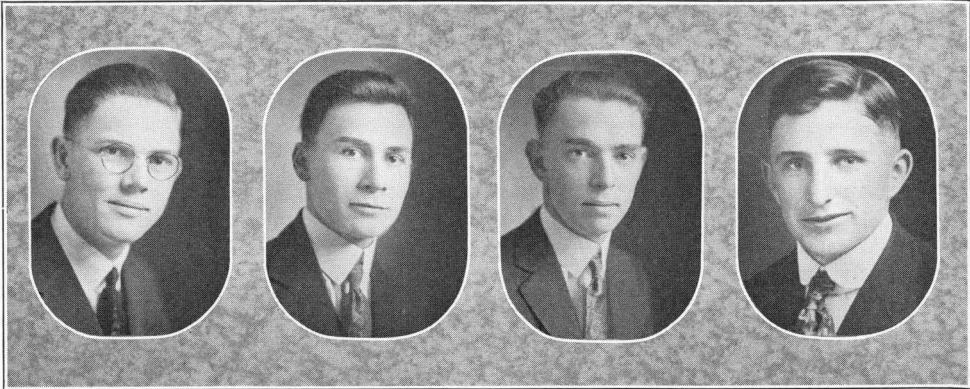
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F. GROAT

BLAKELEY

SALSBURY

HARTLEY

## ALUMNI ASSOCIATION

The Alumni Association of the California Institute of Technology was formally organized by a group of thirteen men at a meeting held June 7, 1915. This group elected Virgil Morse, President; Charles H. Wilcox, Vice-President; Robert S. Ferguson, Secretary-Treasurer. The Association was to hold one meeting a year on the first night after Commencement. These original organizers of Tech's alumni hoped by this means to create a perpetual bond of friendship between all alumni. As the best means of preserving their friendships and keeping alive the interest of the graduates in their Alma Mater, they organized the parent Alumni Association and provided for the subsequent formation of local chapters as authorized by the parent association.

The success of the attempt is strikingly illustrated when one considers that the last annual banquet of the Association held on June 10, 1926, at Culbertson Hall was attended by nearly one hundred members. At this banquet the officers elected for 1926-27 were Joe Hartley, President; Markham Salsbury, Vice-President, and Loren E. Blakeley, Secretary-Treasurer. At this meeting short reports were made of the activities of the Pittsburg and Los Angeles local chapters.

Perhaps the most important topic of discussion at the banquet and the one of most interest to the students at the college, was the completion of the Alumni roster. The Registrar is extremely desirous of keeping in touch with all of the alumni and suggested to the Association that a complete roster of its members would help greatly. The committee in charge of this work reported that the roster, containing the names, year of graduation, degree received, present address, and present occupation of all Tech graduates, should be ready for publication by January of this year. Keeping the list up-to-date will be part of the work of the Association and, thanks to them, anyone can now obtain complete and accurate information about any Tech alumnus.

The parent Association has grown rapidly in the short time of its existence, but this alone is not a complete indication of the activity of our alumni. Four local chapters have been organized at the time of writing and it is expected that a fifth will

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## The BIG T of '27

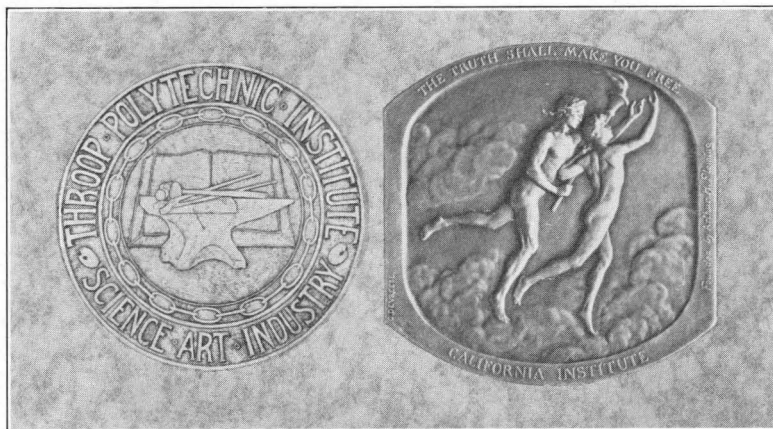
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be formed before the end of the school year. These chapters are located at Pittsburg, Schenectady, New York and Los Angeles. The presidents are, respectively, Edward Forgy, Fred Groat, Edwin Thayer and Markham Salisbury. The first three chapters named, due to their distance from the college, have a membership of only twenty or so while the Los Angeles chapter maintains contact with over two hundred members.

When there were a few Tech graduates in the same city a local chapter was started. The aim of these chapters is to strengthen and help the parent Association and to keep the bonds of good fellowship between Tech men in a strange place. Meetings are usually held once a month and are of different natures. One will stress the social side of the organization and another will have a business meeting followed by an instructive speaker.

The Pittsburg chapter has established a tradition indicative of their interest in Tech affairs. On the same night as the annual Football Banquet at the college, the chapter also has a banquet to celebrate another successful season.

Perhaps the Alumni Scholarship brings the Association to the attention of all students most frequently. This scholarship, established and maintained by the Southern California Chapter of the Alumni Association, is awarded annually to some freshman on the basis of scholarship, high school activities, and the impression he makes during his short speech before the Association. The scholarship amounts to tuition for the first year.



THE OLD AND THE NEW SEALS

## THE INSTITUTE AT WORK

### GEOLOGY

Although it is only in its second year, the Department of Geology has made wonderful progress under the able direction of Dr. John P. Buwalda, associate of the Carnegie Institution of Washington and formerly professor of geology at Yale University and at the University of California. In accordance with the plans of the Institute, several new courses have been arranged and the Geology Department is rapidly gaining an enviable name for the completeness of the work offered.

Several new men have been added to the staff, and a number of graduate students are pursuing research work along the lines of stratigraphic geology, petrology, and petrography, vertebrate and invertebrate paleontology, and seismology. The Seismological Research Laboratory that the Institute has been building in co-operation with the Carnegie Institution has been completed and it is hoped that all the equipment will be ready for use at the beginning of next year.

The paleontology division has been firmly established and under the guiding hand of Dr. Chester Stock is rapidly assembling a wonderful collection of fossil material. Two new courses in paleontology were given this year and the rest of the advanced courses will be offered in the very near future. Dr. Ralph Arnold, a prominent geologist of Southern California, has presented the Institute with his large collection of geological and paleontological works, and these, with the geological



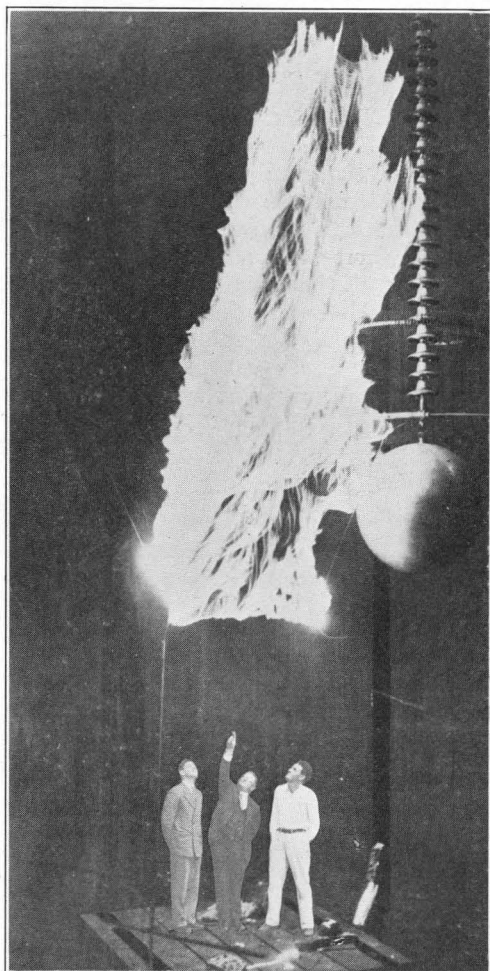
FIELD WORK IN GEOLOGY



library of Throop Institute, form the nucleus of the present rapidly expanding Geology Library. The mineralogy and petrography laboratories have been equipped and the arrival of some special microscopes has permitted work in microscopic petrography to be carried on. Research problems for seniors have taken them out of the laboratories and given them a taste of field work in their mapping of parts of Southern California.

## ELECTRICAL ENGINEERING

The Electrical Engineering Department has completed another very successful year. The continued popularity of the Electrical course among undergraduate students is rapidly being approached with the graduates. The number of graduate students in the department has trebled in the past year, and as a result there are many interesting research problems being investigated.



A LIGHTNING EXPERIMENT

Though California is reputedly very free from electrical storms, the spring of 1926 experienced oil farm losses caused by lightning, amounting to some tens of millions of dollars. The Union Oil Company being the greatest loser in this catastrophe, immediately initiated research on the problem of lightning protection. Since that time the General Petroleum Company has also furnished support for the study of the question. Data from the best sources in the country have been collected, giving the investigators the most complete information available as to the actual behavior of lightning, and with this as a foundation, experiments tending to the development of new information along these lines are being conducted in the High Voltage Laboratory. The effectiveness, the most suitable size, and the proper location of lightning rods is being studied, and as the work progresses, more and more is being learned of the complications and importance of the subject.

Another research problem, undoubtedly of great commercial importance, is the development of a switch capable of breaking high potential circuits carrying large amounts of energy, in a satisfactory manner. In this work the advantages of the Institute are apparent. The application of a vacuum in the switch construction seemed to hold possibilities but a commercial organization had tried and failed. With our equipment and experience our efforts have been crowned with a high degree of success—an achievement to be justly proud of.

With the construction of two high voltage laboratories and the development of many important electrical and manufacturing companies designed to utilize the vast natural resources of the Pacific Coast region, this part of the nation should stand high in the electrical world and Tech is prepared to take its proper place in aiding this development.

## ECONOMICS

The Economics Department forms a very important part of the Institute work. A graduate of a pure science course may desire to confine his activities to the laboratory, but it is hardly conceivable that should he examine his life closely, he would not find much profit derived from a general knowledge of the economic structure of our country.

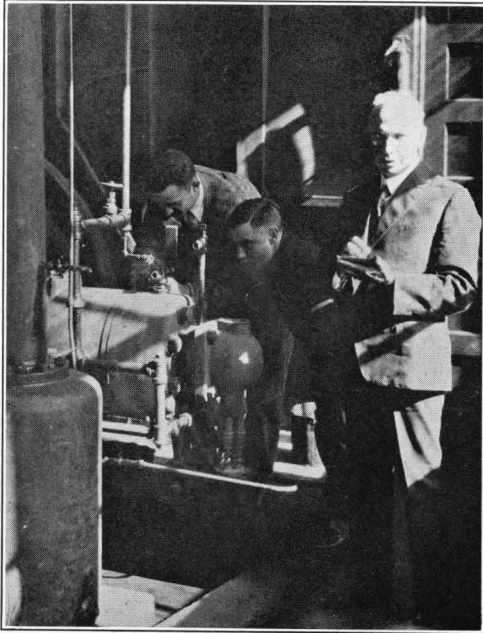
In the engineering profession itself there are varying degrees of concentration on the physical problems involved. However, the sale of the product invented or manufactured is the ultimate goal of the engineer's work, and the influence upon such sales of economic laws, sales management, and business laws is almost incalculable. The output of a plant may be of the highest order, but unless a great deal of attention has been paid to the market, the project is likely to be a financial disappointment. The Economic Department trains another class of men who intend their vocations to be definitely connected with the business side of the engineer's work. A comparatively few years ago few business men had any technical training at all. Recently there has come a demand for able men who have received training in both the fundamentals of engineering and the intricacies of business problems. An education combining these two types of learning is extremely advantageous to the men receiving it and, in consequence, to the enterprises with which these men become associated.

To accomplish this aim, the economic courses deal with economic laws from the human as well as the mathematical standpoint and also teach the practical methods used in manufacturing plants. This well balanced curriculum has made the department very popular as well as valuable.

## MECHANICAL ENGINEERING

Mechanical engineering is an essential and most important field in this day of industrial development. It is the aim of this department of the Institute to train men in a thorough and comprehensive manner to enable them to meet the complex demands of their profession and to make the most of the ever increasing opportunities in this field.

A new building housing the heating plant and the steam laboratory has just been completed, giving a new impetus to the work and filling a long felt need for adequate facilities. This unit contains the most up-to-date mechanical laboratory equipment and is without doubt the finest of its kind in the state.



TAKING DIESEL ENGINE DATA

An example of the type of experiments conducted by the department is the recently completed work of Professor R. L. Daugherty. He has been working for several years in conjunction with the Union Oil Company and Gould Pumps, Inc., on the properties of centrifugal pumps when used for pumping liquids, particularly oils, of different viscosities, and the results obtained by the use of an eight inch and a two inch single-stage volute pump have proven very valuable indeed.

The liquids used varied from gasoline to mixtures of fuel-oil and road-oil that had a very high viscosity. Oils at different temperatures were tried since the viscosity of heavy oils decreases rapidly with an increase in temperature. One of the most interesting results of these experiments is that this decrease in viscosity, as a result of raising the temperature, so increased the efficiency of the pump that it might

be more economical to heat the oils than to pump them cold.

## CIVIL ENGINEERING

The oldest of all engineering professions, Civil Engineering, has been practiced for countless centuries. At the present time the wealth of knowledge accumulated in the various branches has so increased that it is now impossible for a man to be master of more than one of these branches. Yet he should have some knowledge of the work of other engineers for many will often work together on a single large construction job.

With this idea in mind, the courses in this department are so chosen as to show the student some of the work in the various fields of civil engineering and so allow him to make a choice of what he desires to do in later life. Not until the senior year is any attempt made at specialization. Thereafter, men desiring to do more work in any special line have the opportunities offered by the graduate department open to them.

The Institute is very fortunate in having faculty members in this department who have had a great deal of experience and because of it are better able to correlate theory and practice for the student, to appreciate the qualifications demanded of an engineer, and to advise the men in all ways.

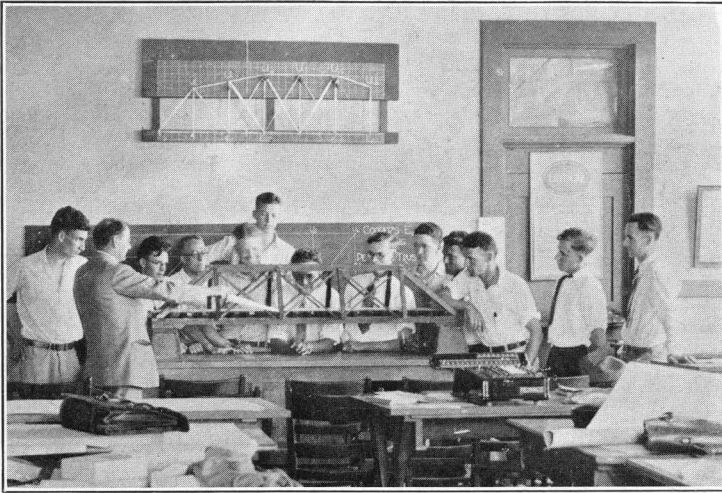
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SENIOR CIVIL ENGINEERS

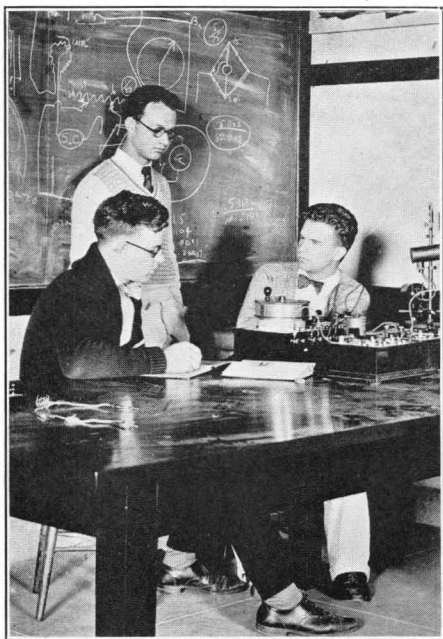
A considerable amount of research work is being carried on this year, part of it being done by graduate students and part by the faculty alone. Realizing that the design of structures to resist earthquakes would be comparatively easy if the nature and magnitude of the forces developed were definitely known, Professors Franklin Thomas and R. R. Martel, with the aid of C. F. Renz, an Iowa State College graduate, are investigating these forces. Shaking tables are used to produce the vibrations. To collect data on the work, Professor Martel spent the first term of the year in Japan. Professor Thomas is also conducting some tests on siphon spillways in cooperation with a committee of A. S. C. E. investigators. Tests are made on small laboratory models as well as on some large spillways on the Yuma Project. Mr. A. P. Banta, a Stanford graduate, is doing a considerable amount of work in sanitary engineering, the City of Pasadena sewage treatment plant offering exceptional opportunities for this kind of work. Other problems being studied are the absorption of rainfall by soils, methods of waterproofing concrete and of preventing deterioration in sea water, and the proper size and form of catch basin openings.

### PHYSICS

The Norman Bridge Laboratory of Physics is the greatest laboratory of its kind in the world. Directed by Dr. Robert A. Millikan and entertaining the world's greatest physicists, it has become the Mecca of all those scientists who delight in peering into the unknown.

The Institute was particularly fortunate this year in being able to entertain Dr. Lorentz of the University of Leyden, by many authorities reputed to be the world's foremost physicist. The department of Mathematics was also most fortunate in obtaining the permanent services of Dr. E. T. Bell of the University of Washington, who will give courses in higher analysis.

Under the five-year courses, undergraduate research is particularly encouraged and juniors and seniors are urged to do individual work under the direction of experienced teaching fellows. Some very startling and potentially valuable results are frequently obtained by the undergraduates during their investigations. For example, Hewitt Dix, working on his own problem, completed some valuable work on interfer-



PHYSICISTS AT WORK

ence this year. The experiment consisted in passing weak light which contained not more than one quantum of energy per unit length thru an interferometer of less than unit length. Under these conditions, interference should be impossible. However, exposures of from 30 minutes to 28 hours showed very definite interference rings, the presence of which tends to discredit the existence of the theoretical quantum.

Many other problems are being worked on by undergraduates in addition to the many investigations of the graduates and visiting professors. Both departments are under Dr. Millikan whose inspiring leadership has inspired the men on to perform in the past, and we hope in the future, some of the greatest feats of modern physical research. Such achievements have placed this laboratory in an enviable position and are doing much to develop an international spirit as well as promote learning in the field of physics.

## CHEMISTRY

In keeping with the other high standards of the institute, the Chemical and Chemical Engineering courses fit men to take up the work in the scientific and industrial world with a thorough-going foundation in science, mathematics, and the cultural subjects. The undergraduate work is of the best offered in the country and covers the field of chemistry under the direction of some of the nation's best chemists. Emphasis is placed upon research work, the foundation of all work in chemistry, and



A CHEMISTRY LABORATORY

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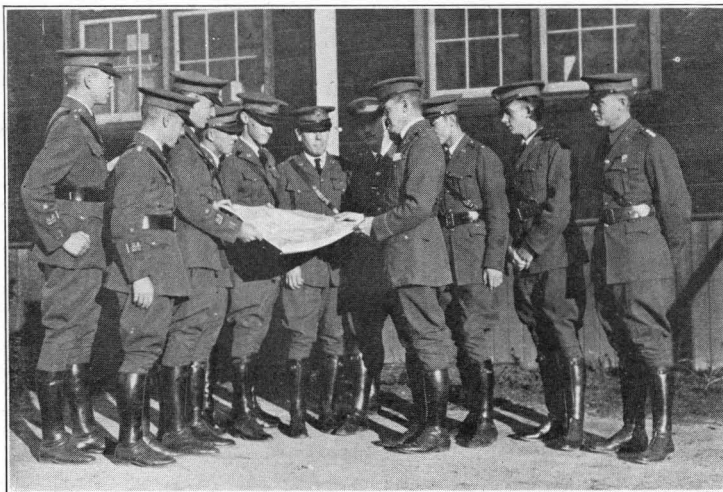
the interest in this field induces many of the students to remain for graduate work leading toward the solutions of important problems in the many branches of chemistry.

We are indebted to C. W. Gates and his brother P. G. Gates for the Gates Chemical Laboratory. To direct the endeavors of the searchers after Truth in the new edifice, the services of Dr. Arthur A. Noyes, one of America's leading chemists, were obtained. Under his efficient direction, the department grew and expanded with the rest of the Institute until its increased needs have been provided for by the completion this year of a new wing to the original building, likewise a gift of the original donors. The new wing has provided a large lecture room, space for the Chemistry Library, and numerous class and research rooms.

In addition to the regular laboratories, there is an industrial laboratory in the Steam Laboratory that provides facilities for producing materials, especially ammonia, on a large scale. This is designed primarily to meet the needs of the men specializing in the engineering side of chemistry, for in producing on a large scale many problems not found in the laboratory are encountered.

### MILITARY

It was with a great deal of satisfaction that the members of the military unit returning at the opening of college, found that they had again obtained the coveted Distinguished Rating. Only a limited number of college in each Corps Area receive Distinguished Rating each year, so that Tech is honored indeed in having this standing for two years in succession. All the energies of the department have been directed toward the same goal this year and it is to be hoped that we rank at the top once more.



THE OFFICERS RECEIVE INSTRUCTIONS

In November of this year, the faculty and members of the student body were pleased to learn of the promotion of Major Adams to the rank of Lieutenant Colonel. Colonel Adams came to us from Galveston, Texas, where he had been stationed since being relieved from active war duty. It is primarily due to Colonel Adams' wide experience and knowledge of organization that the Tech unit has made such a fine record during the past two years.

The fact that nearly one-third of the battalion is made up of juniors and seniors attests to the popularity of the military course. It is now an elective for upperclassmen in the engineering departments so that the work need no longer be carried in addition to a regular course. The engineering work of the department stresses the practical side and the young engineer gains much in the way of experience from the course. The practical problem undertaken this year was the construction of a suspension bridge. Valuable training in meeting new conditions and in the organization and handling of working parties is given all upperclassmen in the course of such jobs. A delightful summer as well as military and practical training is the good luck of the men going to summer camp—and not all can go for our quota has been over for the last two summers.

### GRADUATE SCHOOL

Within the past few years the graduate school has become one of the most important parts of the Institute and its work. After all, undergraduate work is only preliminary to graduate work and serves to prepare the student to work on his own. It is through research that additions are made to the accumulated knowledge of mankind, that we wrest new secrets from Nature, that we learn new truths. Opportunities are offered here for graduate study and research in mathematics, physics, chemistry, engineering, aeronautics, geology, and paleontology, leading to the degrees of Master of Science and Doctor of Philosophy.

Besides the permanent staff of instruction, many of whom are doing research, there were during the last year forty-five graduate students and eleven National and International Research fellows pursuing researches in physics and mathematics; seventeen graduate students and four National Research Fellows engaged in investigations in chemistry; eight graduate students working in geology; and twelve in engineering.

The part of this school that has advanced to the highest degree, that has produced the most, that has brought the most fame to the Institute for its work, is the Physics department. The quality of the work and the calibre of the men have attracted many internationally known physicists from other countries. This year we were honored by the presence of Dr. Lorentz of the University of Leyden. Important results are being obtained and published. Of the many problems under investigation only a few may be mentioned, but work is being done on extreme ultra-violet rays, soft X-rays, band spectra in the infra-red, ether drift, penetrating radiations, photoelectric investigations, earth tides, dielectric constants, electromotive forces, and many other problems.

The next largest department is that of Chemistry. Important researches include the following: study of crystal structure by means of spectral photography and X-rays; investigation of chemical reactions produced by radiation activated molecules; study of the rates of reactions; high temperature equilibria; and the structure of organic compounds. All the problems are not of so highly a theoretical nature for many industrial problems are being worked on and in the past a very important bio-chem problem was the preparation of insulin. Dr. Noyes has finished his system of qualitative analysis and now has it ready for publication, the result of a quarter of a century of work.

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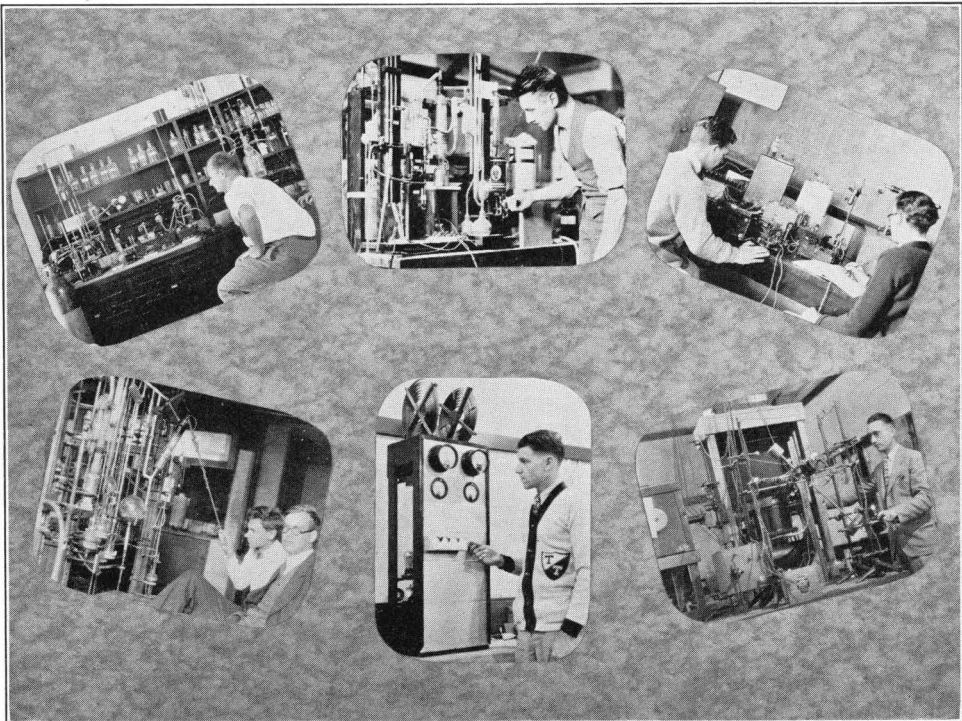
## The BIG T of '27

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The high tension laboratory has been the scene of much work on a switch that would be capable of successfully breaking high potential circuits carrying large amounts of energy. Much investigation into problems of lightning protection has also been carried on. Much of the other work has been centered around vacuum tubes and radio.

In the other fields of engineering several investigations have been carried on in conjunction with various corporations or companies. Work has just been completed on the properties of centrifugal pumps. Other problems under investigation are improvements in internal combustion engines, performance of blowers, siphon spillways, properties of soils when used as sub-grades for pavements, strength and disintegration of concrete in relation to its composition and texture, and activation treatment of sludges. A general study of the effect of earthquakes on buildings and an attempt to arrive at some conclusions regarding the nature and magnitude of stresses so produced is being made.

Other fields are not being neglected in the work. The newest is that of aeronautics which will prosper more next year with new equipment. The new seismological laboratory is completed and research work started. An extensive study of the Columbia and John Day series in Oregon as well as an intensive investigation of the fossils of the La Brea pits is being made.



GRADUATE RESEARCH



GOOD-BY

In four short, fleeting years, a life time spent,  
Which Mem'rys journal terms a single hour;  
A quick transition fraught with stern intent  
To master Life with wisdom's captured power—  
A glorious period, filled with youthful dreams—  
Vague, dim, yet somehow firm and real,  
When eager minds perceive the fitful gleams  
Of Future's promise they would fain reveal.

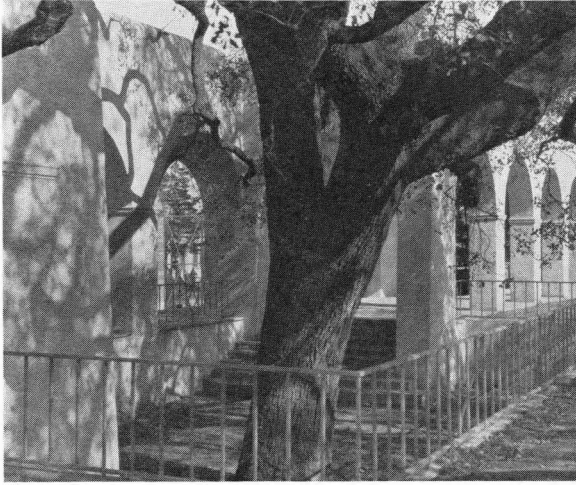
The last few moments of these years have passed.  
We pause, our fingers pushing wide the door  
To unknown tasks, and look behind once more—  
A nameless pain and unshed tears,—then on  
To conquer that which lies beyond the dawn,  
And challenge Destiny with hopes amassed.

H. FRED PETERSON, '27



CLASSES



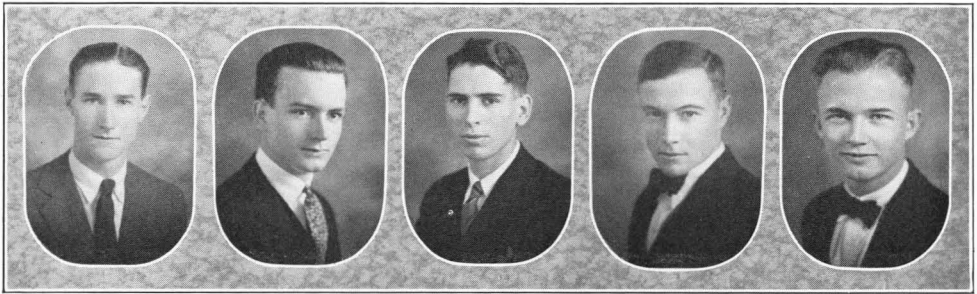


## SENIORS

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The BIG T of '27

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BOYD

AULTMAN

BELKNAP

SNYDER

BOWER

SENIOR CLASS

OFFICERS

WILLIAM W. AULTMAN	/	/	/	/	/	President
M. MAXWELL BOWER	/	/	/	/	/	Vice-President
JAMES BOYD	/	/	/	/	/	Secretary
KENNETH A. BELKNAP	/	/	/	/	/	Treasurer
LEONARD L. SNYDER	/	/	/	/	/	Athletic Manager

BOARD OF CONTROL

Charles A. Bradley Jr.  
 John G. Case  
 Frank A. Nickell

COMMITTEES

ANNOUNCEMENT

Theodore C. Combs, *Chairman.*  
 Louis H. Mesenkop  
 M. Maxwell Bower  
 James Boyd

DITCH DAY

M. Maxwell Bower, *Chairman.*  
 Eugene H. Riggs  
 Robert Creveling

CLASS DAY

Eugene H. Riggs, *Chairman.*  
 Leonard L. Snyder  
 J. Davis Shuster  
 H. Fred Peterson

SENIOR GIFT

Kenneth A. Belknap, *Chairman.*  
 Louis E. Medlin  
 Bernard N. Moore  
 Ralph M. Watson  
 William A. Minkler

SENIOR PICTURE

Robert Creveling, *Chairman.*  
 H. Fred Peterson  
 Theodore C. Combs

SOCIAL

Roland W. Reynolds, *Chairman.*  
 Frederick T. Schell  
 Donald R. Thompson  
 Kenneth A. Belknap

TREE

J. Davis Shuster, *Chairman.*  
 George E. Moore

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# The BIG T of '27

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## PAST OFFICERS

### JUNIOR YEAR

FRANK A. NICKELL	/ / / / / / /	President
LEONARD L. SNYDER	/ / / / / / /	Vice President
HARRY K. FARRAR	/ / / / / / /	Secretary-Treasurer
EDWARD P. JONES	/ / / / / / /	Athletic Manager
M. MAXWELL BOWER	/ / / / / / /	Board of Control
THEODORE C. COMBS	/ / / / / / /	Board of Control
FRANK P. MESERVE	/ / / / / / /	Board of Control

### SOPHOMORE YEAR

Thurman S. Peterson	/ / /	President
Frank A. Nickell	/ / /	Vice-President
Raymond Perry	/ / /	Secretary-Treasurer
Mason Logan	/ / /	Athletic Manager
Maxwell Burke	/ / /	Board of Control
Roderick Ward	/ / /	Board of Control

### FRESHMAN YEAR

W. Layton Stanton	/ / /	President
Charles H. Dix	/ / /	Vice-President
Roderick C. Ward	/ / /	Secretary-Treasurer
Albert P. Drasdo	/ / /	Athletic Manager
Robert M. Moore	/ / /	Board of Control

## VARSITY LETTERMEN

Alan E. Capon	Forrest J. Lilly
George F. Collins	Frank P. Meserve, Jr.
Theodore C. Combs	George E. Moore
Ray E. Copeland	Frank A. Nickell
Robert Creveling	H. Fred Peterson
M. Dick Darling	Lee W. Ralston
John B. Forster	Leonard W. Ross
Thomas L. Gottier	Murray N. Schultz
Robert F. Heilbron	Leonard L. Snyder
Vaino A. Hoover	W. Layton Stanton
Edward P. Jones	Howard R. Starke

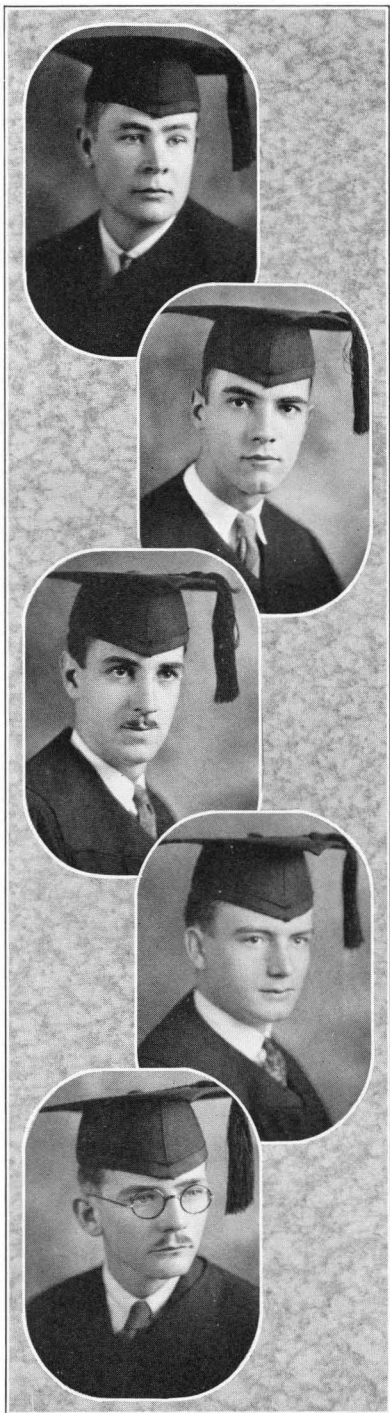
## HONOR KEY WINNERS

Henry P. Anderson	Robert F. Heilbron
Ellery R. Baxter	Frank P. Meserve Jr.
Charles A. Bradley Jr.	H. Fred Peterson
Theodore C. Combs	V. Wayne Rodgers
Harry K. Farrar	Robert T. Ross
Ward D. Foster	Howard R. Starke
Thomas L. Gottier	

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The BIG T of '27

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JOHN FRED AKERS—"Johnny"

La Habra, Calif.; Born 1906; Prepared at Fullerton Union High School and Fullerton Junior College; Entered 1925; Chemical Engineering; Chem Club (1, 2); Dorm Club (1, 2).

CARL D. ANDERSON—"Carl"

*Tau, Tau Beta Pi, Sigma Xi.*  
Los Angeles, Calif.; Born Sept. 3, 1905; Prepared at L. A. Polytechnic High School; Entered 1923; Physics and Engineering; Junior Travel Prize (3).

HENRY PIERCE ANDERSON—

"Horse Power"

*Gamma Sigma.*  
Buffalo, N. Y.; Born Mar. 9, 1903; Prepared at E. Orange High School (N. J.); Entered 1923; Civil Engineering; Track (1) Letterman (2, 3, 4); Varsity Club; A. S. C. E. (3, 4).

WILLIAM WHITESCARVER AULTMAN—

"Bill"

*Tau Beta Pi.*  
Hollywood, Calif.; Born Sept. 23, 1905; Prepared at Greeley (Colo.) and Los Angeles High Schools; Transfer from U. C. L. A.; Entered 1924; Engineering and Economics; Drama Club; Cosmo Club (2, 3, 4); Delta Mu Beta (2); A. S. C. E. (4); Class President (4); Glee Club (4); Tech Staff (2, 3); Big T Staff (4); Y. M. C. A. (2); Cabinet (3, 4); Orchestra (4); Plays (2, 3, 4); Exhibit Committee (4); Press Club.

FLORENT HOULDING BAILLY

Caracas, Ven.; Born Dec. 2, 1902; Prepared at Riverside High School and Riverside Junior College; Entered 1925; General; A. S. C. E. (4).

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MARSHALL ALBERT BALDWIN

Portland, Me.; Born Sept. 10, 1903; Prepared at Deering High School; Entered 1924; Engineering and Economics; Swimming (3, 4); Orchestra (2); String Quartet (3).

ELLERY READ BAXTER

*Pharos.*

Pasadena, Calif.; Born March 6, 1905; Prepared at Pasadena High School; Entered 1922; Civil Engineering; Baseball (1, 2, 3) Manager (4); Honor Key (4); A. S. C. E. (2, 3) Treasurer (4); Tech Staff (1, 2, 3) Sports Editor (4); Big T Staff (2, 3, 4); Athletic Council (4) Y. M. C. A. (2, 3, 4); Press Club.

KENNETH ALBERT BELKNAP—"Kenny"

*Pi Alpha Tau, Tau Beta Pi, Pi Kappa Delta.*

Los Angeles, Calif.; Born Jan. 13, 1904; Prepared at Franklin High School; Entered 1923; Engineering and Economics; Class Treasurer (4); Swimming (1); Aero Club (3); A. S. C. E. (2, 3, 4); Chorus (2); Debate (1, 2); Tech Staff (1, 2, 3, 4).

RUDOLPH CARTER BLANKENBURG—

"Blanky"

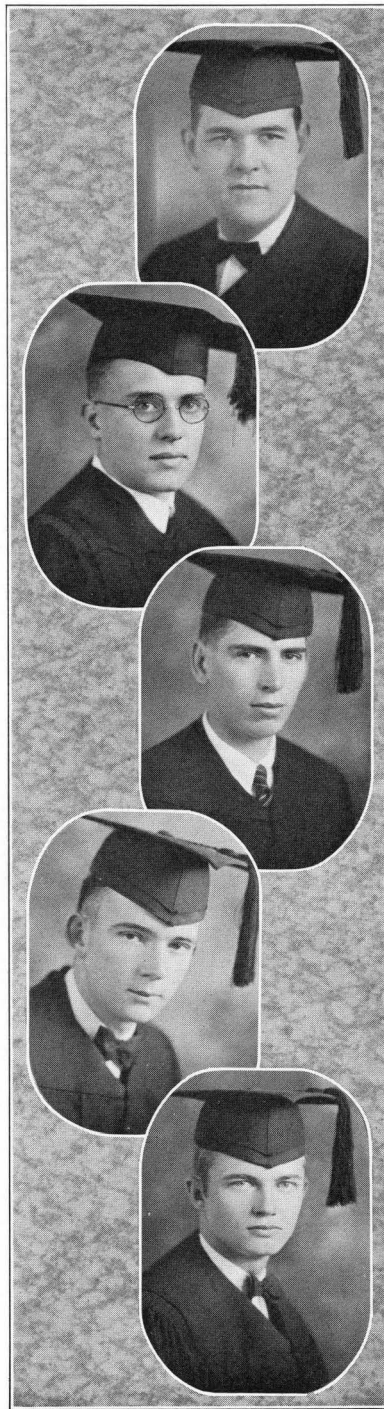
*Pharos.*

San Diego, Calif.; Born Feb. 7, 1905; Prepared at San Diego High School; Entered 1923; Electrical Engineering; Football (1, 2, 3) Baseball (1); Delta Mu Beta (2) Sec. Treasurer (3); A. I. E. E. (2, 3, 4); Tech Staff (2, 3).

M. MAXWELL BOWER—"Max"

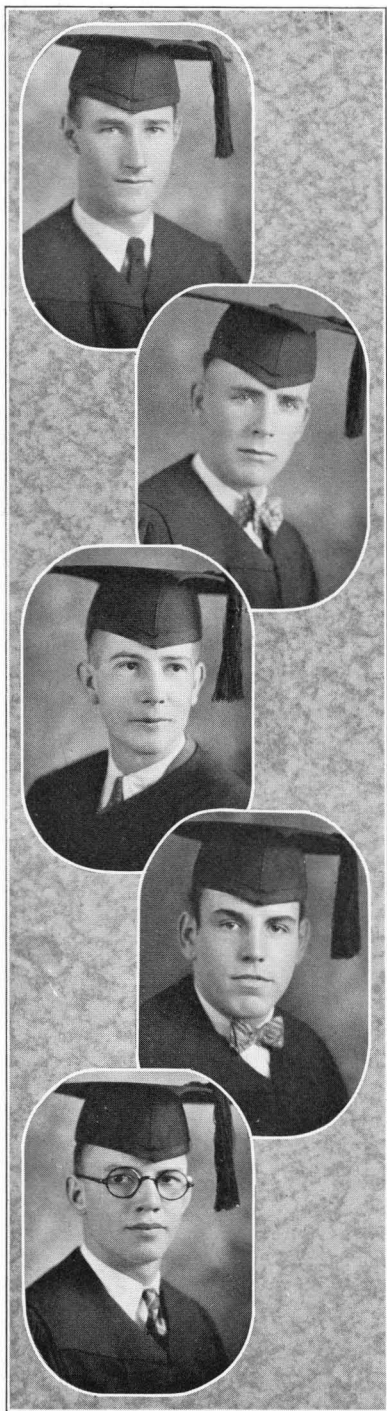
*Pharos, Tau Beta Pi, Pi Kappa Delta, Pi Kappa Sigma.*

Los Angeles, Calif.; Born Aug. 24, 1905; Prepared at Manual Arts High School; Entered 1923; Board of Control (3); Court of Traditions (3); A. I. E. E. (2, 3, 4); Class Vice-President (4); Debate (1, 2).





# The BIG T of '27



JAMES BOYD—"Jimmie"

*Pi Kappa Sigma.*

Kanowna, W. A.; Born Dec. 20, 1904; Prepared at Hollywood High School; Entered 1923; Engineering and Economics; Swimming (1, 2, 3, 4); Drama Club; Cosmo Club (2, 3, 4); Aero Club (3, 4); Delta Mu Beta (2); A. S. C. E. (2, 4); Publicity Committee (4); Minor Sports Manager (4); Class Secretary (4); Chorus (2); Tech Staff (2, 3, 4); Big T Staff (4); One Act Plays (3, 4).

CHARLES A. BRADLEY II—"Chuck"

*Gamma Sigma.*

Long Beach, Calif.; Born June 15, 1905; Prepared Long Beach High School; Entered 1923; Chemical Engineering; Baseball (1, 2, 3); Board of Control (4); Throopers (3) President (4); Honor Key (3, 4); Chem Club (4); Yell Leader (3); Exhibit Day Committee (4); Baseball Freshman Manager (1); Tech Staff Circulation Manager (3); Big T Staff (3); Y. M. C. A. (1, 2) Frosh Chairman (3) Treasurer (4).

EDWARD MARION BROWDER JR.—"Eddie"

Hollywood, Calif.; Born Jan. 6, 1906; Prepared at Hollywood High School; Entered 1925; Transfer from U. C. L. A.; Civil Engineering; Dorm Club (3); A. S. C. E. (3, 4); Glee Club (3); Chorus (4); Tech Staff (4); Big T Staff (4).

ALAN EDMONDS CAPON—"Cape"

*Pi Alpha Tau, Tau Beta Pi, Pi Kappa Sigma.*

Eagle Rock, Calif.; Born Oct. 3, 1906; Prepared at Los Angeles High School; Entered 1923; Electrical Engineering; Football (2, 3, 4); Basketball (2, 3, 4); A. I. E. E. (2, 3) Secretary (4); Varsity Club.

JOHN G. CASE—"Johnny"

*Pi Kappa Delta.*

Pasadena, Calif.; Born Oct. 5, 1906; Prepared at Pasadena High School; Entered 1923; Civil Engineering; Board of Control (4); A. S. C. E. (2, 3, 4); Band (1, 2, 3, 4); Debate (2, 3); Plutus (4).

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# The BIG T of '27

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## GARFIELD CLINTON COFFEE—"Johnnie"

Pasadena, Calif.; Born May 30, 1907; Prepared at Pasadena High School; Entered 1923; Mechanical Engineering; Tennis (1); Aero Club (3, 4); A. S. M. E. (3, 4); S. A. E. (3, 4).

## GEORGE FRANCIS COLLINS

*Gnome Club.*

Anaheim, Calif.; Born July 14, 1906; Prepared at Fullerton High School and Fullerton Junior College; Entered 1925; Mechanical Engineering; Football Letterman (4); Track (4); Dorm Club (3); Cosmo Club (3, 4); A. S. M. E. (3, 4); Big T Staff (4); Varsity Club.

## THEODORE CARLOS COMBS—"Ted"

*Gnome Club, Pi Kappa Delta, Pi Kappa Sigma.*

Ontario, Calif.; Born July 30, 1906; Prepared at Chaffey Union High School; Entered 1923; Civil Engineering; Track (1, 2) Letterman (3, 4); Board of Control (3); Drama Club; Honor Key (3, 4); Varsity Club; Aero Club (2, 3); Delta Mu Beta (2); A. S. C. E. (2, 3, 4); N. R. A. (2); Chorus (2, 3); Debate (3); Tech Staff (3); Big T Staff (1, 2); Associate Editor (3); Editor in Chief (4); Y. M. C. A. (1, 2) Vice-President (3, 4); Captivi (3); Press Club; String Quartet (3).

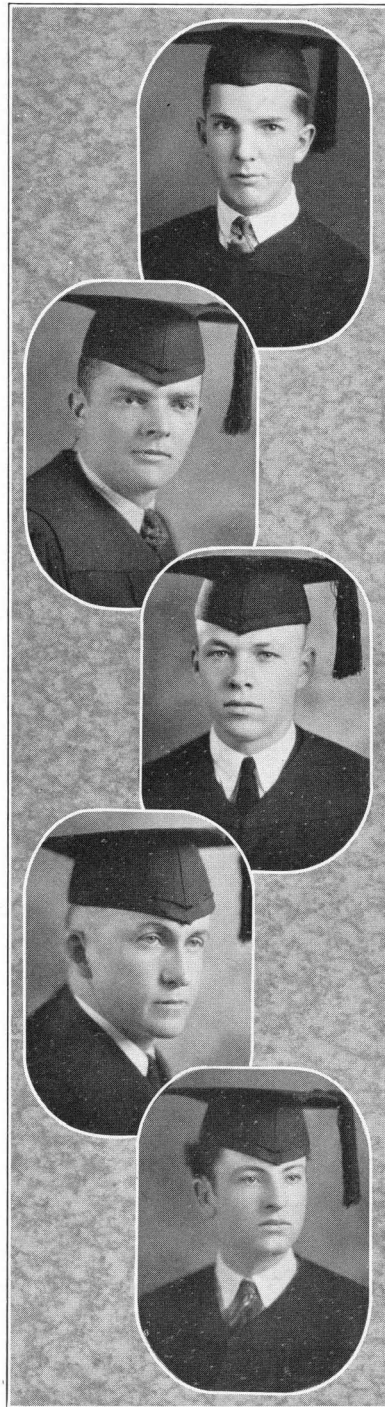
## RAY EDWIN COPELAND—"Cope"

*Gnome Club.*

Los Angeles, Calif.; Born December 3, 1904; Prepared at Manual Arts High School; Entered 1922; Engineering and Economics; Football (2) Letterman (3, 4); Athletic Council (2, 3, 4); Varsity Club; A. S. C. E. (3, 4); Track Manager (3, 4); Big T Staff Circulation Manager (3, 4); Chorus (4).

## RAYMOND EDWARD COX—"Ray"

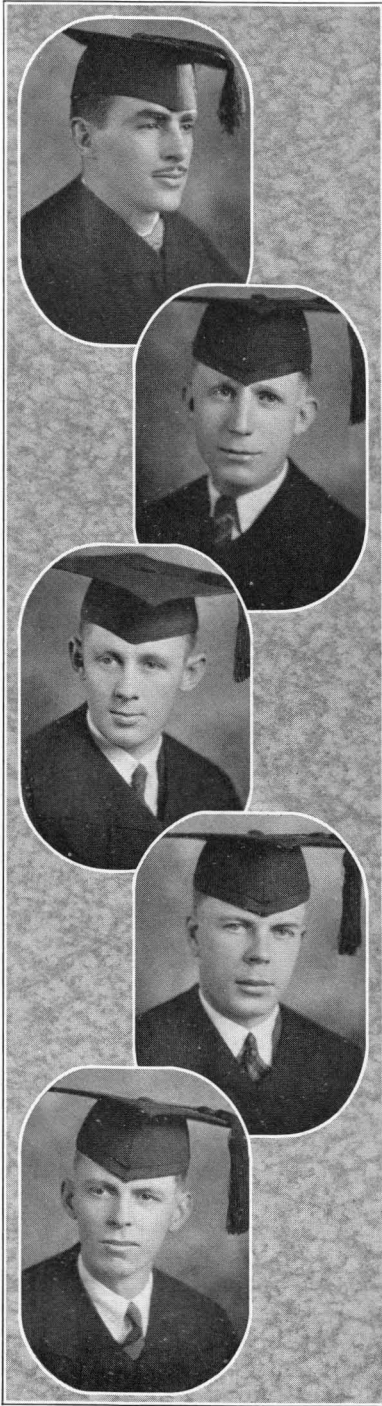
South Pasadena, Calif.; Born Jan. 1, 1905; Prepared at Jefferson High School; Entered 1923; Chemical Engineering.



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ROBERT CREVELING—"Bob"

Pasadena, Calif.; Born May, 1905; Prepared at Main Ave. High School, San Antonio, Texas and Texas A. & M. C.; Entered 1924; Track (3), Letterman (4); Football (3, 4); A. I. E. E. (3, 4); Varsity Club.

DEXTER PAUL CROWTHER—"Deck"

Anderson, S. C.; Born May 5, 1904; Prepared at Pasadena High School; Entered 1923; Civil Engineering; A. S. C. E. (3, 4); Chorus (3).

MORTIMER DICK DARLING—"Dick"

*Gnome Club.*

Hollywood, Calif.; Born Feb. 20, 1904; Prepared at Pasadena High School and Los Angeles High School; Entered 1922; Track (1) Letterman (2, 3, 4) Manager (1); Varsity Club; A. S. C. E. (2, 3, 4).

RICHARD CLYDE DATIN

Los Angeles, Calif.; Born 1900; Prepared at Hollywood High School; Entered 1923; Chemistry.

C. HEWITT DIX

*Sigma Xi.*

Los Angeles, Calif.; Born March 27, 1905; Prepared at Pasadena High School; Entered 1923; Physics; Class Vice-President (1); Y. M. C. A. (2); Freshman Scholarship.

RICHARD M. DODGE

Bakersfield, Calif.; Born Aug. 12, 1904; Prepared at Bakersfield High School and Bakersfield Junior College; Entered 1924; Mechanical Engineering.

FRED JUNIOR EWING

*Pi Alpha Tau, Tau Beta Pi, Sigma Xi.*  
Pasadena, Calif.; Born Dec. 20, 1906; Prepared at Brawley Union High School; Entered 1923; Chemistry; Travel Prize Winner (3); Blacker Junior Scholarship (3); Wrestling (3); Throopers (4); Chem Club (2, 3, 4); Debate (1).

HARRY KING FARRAR—"King"

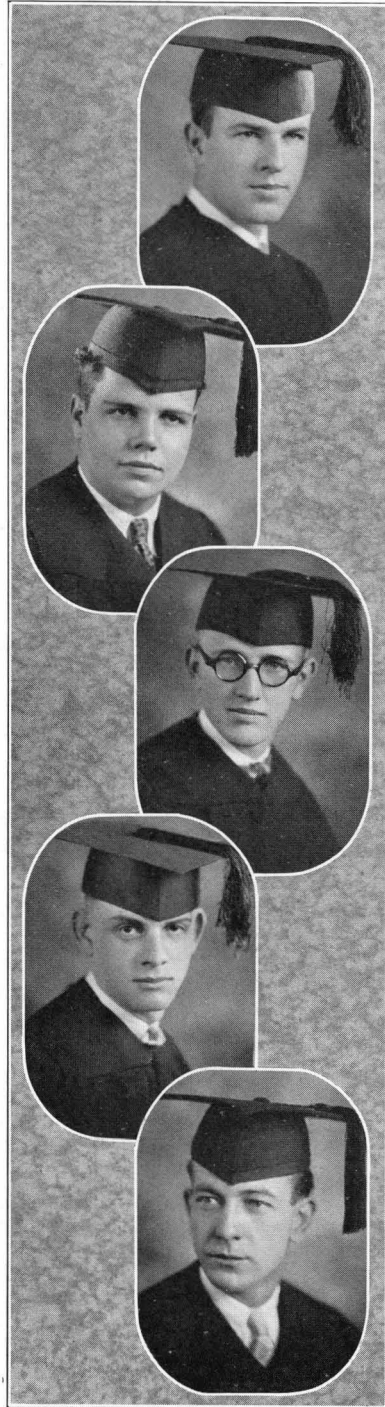
*Pharos, Tau Beta Pi.*  
Santa Ana, Calif.; Born Oct. 5, 1904; Prepared at Santa Ana High School; Entered 1923; Physics; Basketball (1); Football (2); Executive Committee (4); Drama Club; Honor Key (3, 4); Cosmo Club (2, 3); Delta Mu Beta (2, 3); A. I. E. E. (2); Class Secretary-Treasurer (3); Tech Staff (2, 3) Managing Editor (4); Big T Staff (3, 4); Y. M. C. A. Cabinet (1, 2, 3) President (4); A. S. B. Secretary (4); Press Club.

JOHN BLINN FORSTER

*Tau Beta Pi.*  
Los Angeles, Calif.; Born Dec. 26, 1904; Prepared at Hollywood High School; Entered 1925; Electrical Engineering; Track (3) Letterman (4); Radio Club (3, 4); A. I. E. E. (3, 4); Glee Club (4); Chorus (3); Varsity Club.

WARD DON FOSTER

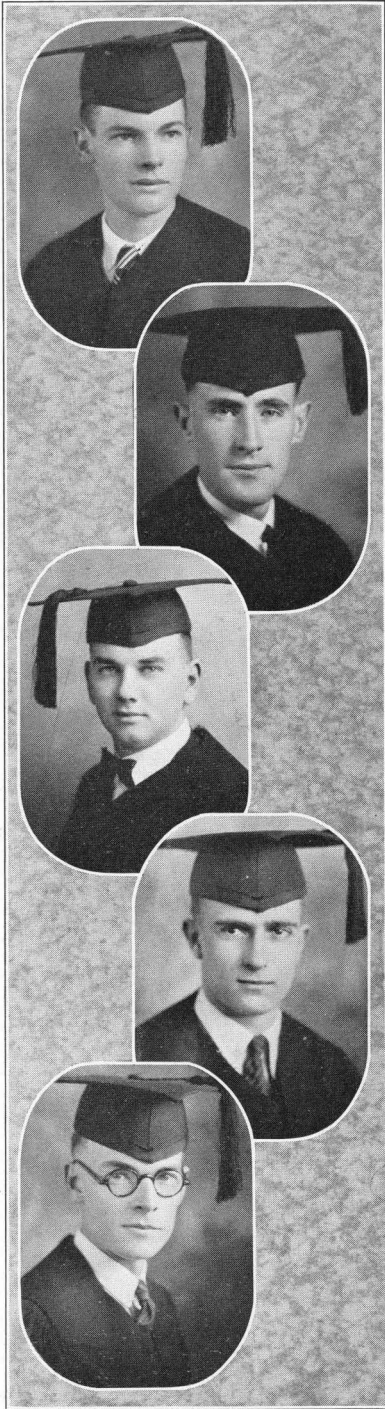
*Gamma Sigma, Tau Beta Pi, Pi Kappa Delta.*  
Los Angeles, Calif.; Born June 21, 1904; Prepared at North End High School, Kansas City, Mo.; Entered 1924; Engineering and Economics; Athletic Council (4); Executive Committee (4); A. S. B. President (4); Board of Control (4); Throopers (3, 4); Drama Club (3, 4); Honor Key (3, 4); Delta Mu Beta (3, 4); Honor Point Committee (3); Debate (2, 3, 4); Oratory (3); Extemporaneous (3); Tech Staff (3); Big T Staff (3); Plays (3, 4); International Debate Tour (3); P. K. D. National Convention (3); National Student Federation Congress (4); Press Club.



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The BIG T of '27

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DAVID Z. GARDNER JR.—“Dave”

South Pasadena, Calif.; Born April 30, 1906; Prepared at South Pasadena High School; Entered 1923; Electrical Engineering; Baseball (1, 3, 4); Radio Club (1, 2, 4) Vice-President (3); A. I. E. E. (4).

CHARLES LEWIS GAZIN

*Pi Alpha Tau, Tau Beta Pi.*

Colorado Springs, Colo.; Born June 18, 1904; Prepared at L. A. Polytechnic High School; Entered 1923; Geology; Track (2, 3); Band (1, 2, 3, 4) Manager (3); Orchestra (4); Blacker Scholarship (3, 4).

THOMAS LARIMER GOTTIER—“Goats”

*Pi Alpha Tau, Tau Beta Pi, Pi Kappa Sigma.*

Great Falls, Montana; Born Nov. 11, 1904; Prepared at L. A. Polytechnic High School; Entered 1923; Electrical Engineering (4) Letterman (3); Tennis (1); Executive Committee (4); A. S. B. Treasurer (4); Honor Key (4); Varsity Club; Delta Mu Beta (3, 4); A. I. E. E. (2, 3) President (4); Tech Staff (3); Big T Staff (3).

REGIS SAMUEL GUBSER—“Reggie”

Los Angeles, Calif.; Born Jan. 26, 1905; Prepared at Loyola High School; Entered 1923; Electrical Engineering; A. I. E. E. (3, 4); Tech Business Staff (4); Y. M. C. A. (4).

SHERMAN FRANK HALE

Moneta, Calif.; Prepared at Gardena High School; Entered 1921; Civil Engineering; Cosmo Club (2); A. S. C. E. (3, 4); Y. M. C. A. (2, 3, 4); Dorm Club President (4).

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The BIG T of '27

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RAY IRVIN HALL

*Gamma Sigma.*

Los Angeles, Calif.; Born Jan. 13, 1902; Prepared at Manual Arts High School; Entered 1922; Civil Engineering; Football (3, 4); Baseball, (3, 4); Aero Club (2); A. S. C. E. (1, 2, 3, 4); Chorus (2, 3).

CLARENCE L. HASEROT—"Clarie"

*Gnome Club, Tau Beta Pi.*

Los Angeles, Calif.; Born May 25, 1904; Prepared at L. A. Polytechnic High School; Entered 1923; Geology; Chem Club (1, 2); Delta Mu Beta (2, 3); Geology Club (4); Band (2, 3); Chorus (3, 4); Straight Eight (1, 2, 3); Debate (1); Tech Staff (1, 2) Correction Editor (3) Assistant Copy Editor (4); Big T Staff (2, 3, 4); Plutus (4).

ROBERT FREDERICK HEILBRON—"Bob"

*Gnome Club, Tau Beta Pi, Sigma Xi, Pi Kappa Delta.*

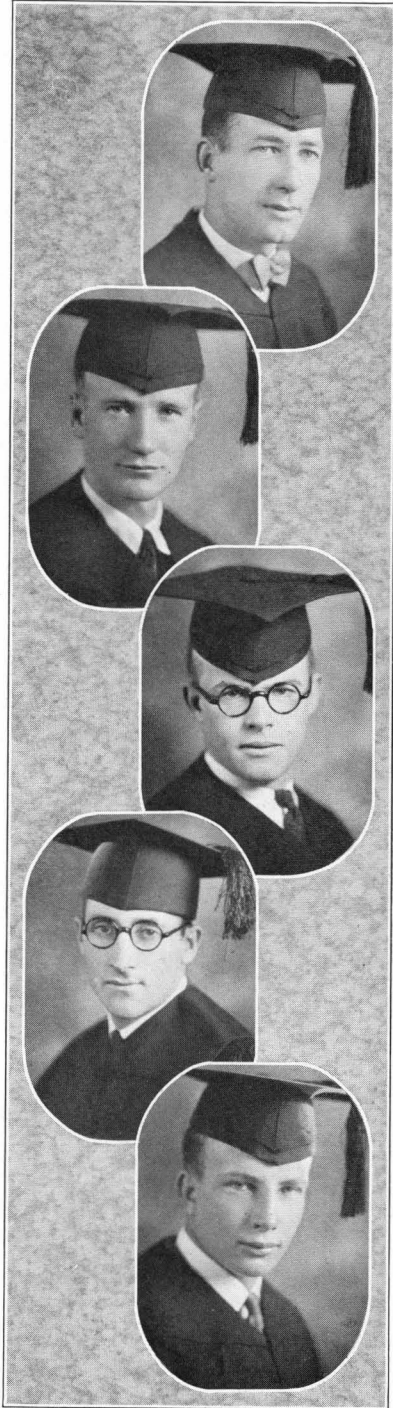
San Diego, Calif.; Born Dec. 10, 1905; Prepared at San Diego High School; Entered 1922; Physics and Engineering; Football (1, 2) Letterman (3, 4); Track (2, 3, 4); Basketball (1); Board of Control (1); Court of Traditions (1); Honor Key (4); Varsity Club; Chem Club (2); Debate (1); Tech Staff (1, 2) Managing Editor (3); Associate Editor (3) Editor in Chief (4); Big T Staff (2) Associate Editor (3, 4); Greek Plays (2, 3); Freshman Scholarship (1); Sophomore Travel Prize (2); Junior Travel Prize (3); Rhodes Scholarship (4); Press Club.

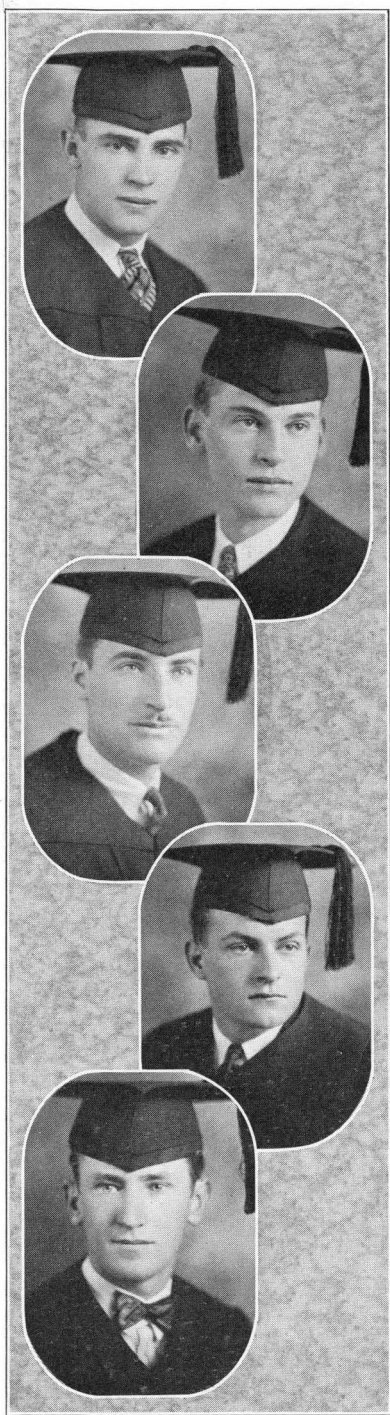
DONALD ROBERT HINKSTON—"Don"

Battle Lake, Minn.; Born July 23, 1897; Entered 1922; Electrical Engineering; A. I. E. E. (3) Vice-President (4); Glee Club (2, 3, 4); Chorus (2, 3).

VAINO ALEX HOOVER

Hollywood, Calif.; Born July 27, 1905; Prepared at Hollywood High School; Entered 1923; Electrical Engineering; Football (1); Track (1) Letterman (2, 3, 4); Varsity Club; A. I. E. E. (3, 4); Freshman Scholarship (1).





EDWARD PALMER JONES—"Eddie"

*Gnome Club.*

Alhambra, Calif.; Born Sept. 14, 1904; Prepared at Alhambra High School; Entered 1923; Civil Engineering; Football (2) Letterman (3, 4); Track (2) Letterman (3, 4); Varsity Club Vice-President (4); Delta Mu Beta (2); A. S. C. E. (2, 3, 4); Class Athletic Manager (3); Tech Staff (3); Big T Staff (3).

GEORGE ROBERT KAYE—"Bob"

*Pi Alpha Tau*

Trinidad, Colo.; Born Sept. 16, 1903; Prepared at Los Angeles High School; Entered 1922; Chemical Engineering; Rifle Team (1, 2, 3, 4); Cosmo Club (3); Chem Club (2, 3); Rifle Club President (2, 3); Tech Staff (3).

ARCHIE PAUL KING

LeRoy, N. Y.; Born May 4, 1901; Prepared at Main High School; Entered 1923; Physics and Engineering; Tennis (1); Swimming (2); Radio Club (1); A. I. E. E. (3, 4).

WILLIAM HAY KRELLE—"Bill"

*Gamma Sigma.*

Hollywood, Calif.; Born July 14, 1905; Prepared at Omaha Central High School; Entered 1923; Civil Engineering; Athletic Council (4); A. S. C. E. (3, 4); Basketball Manager (3, 4); Chorus (3).

HILMER E. LARSON

Pasadena, Calif.; Born Aug. 30, 1904; Prepared at Pasadena High School; Entered 1923; Electrical Engineering; Tennis (2) Letterman (3, 4); Rifle Team (2); A. I. E. E. (4); Rifle Club (2, 3); Chorus (2, 3).

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# The BIG T of '27

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## FORREST JAMES LILLY—"Forrest"

*Gamma Sigma.*

Los Angeles, Calif.; Born Feb. 26, 1904; Prepared at L. A. Polytechnic High School; Entered 1923; Engineering and Economics; Baseball (2) Letterman (3, 4); Varsity Club; Tech Staff Advertising Manager (3) Assistant Business Manager (4).

## MASON A. LOGAN—"Cutie"

*Sigma Alpha Pi, Pi Kappa Sigma.*

Pasadena, Calif., Born Sept. 11, 1905; Prepared at Pasadena High School; Physics and Engineering; Football (1); Swimming (1); Rifle Shooting (2); Radio Club Secretary (1) President (2, 3) Vice-President (4); Rifle Club Secretary (2); A. I. E. E. (4); Exhibit Committee (4); Y. M. C. A. (1) Cabinet Member (2, 3, 4); Tech Staff (3); Big T Staff (2).

## BENJAMIN RHEES LOXLEY—"Ben"

Pasadena, Calif.; Born Jan. 6, 1905; Prepared at Pasadena High School; Entered 1922; Electrical Engineering; Cross-country (2, 4); Radio Club (4); Dorm Club (2); A. I. E. E. (3, 4); Chorus (3); Tech Staff (4).

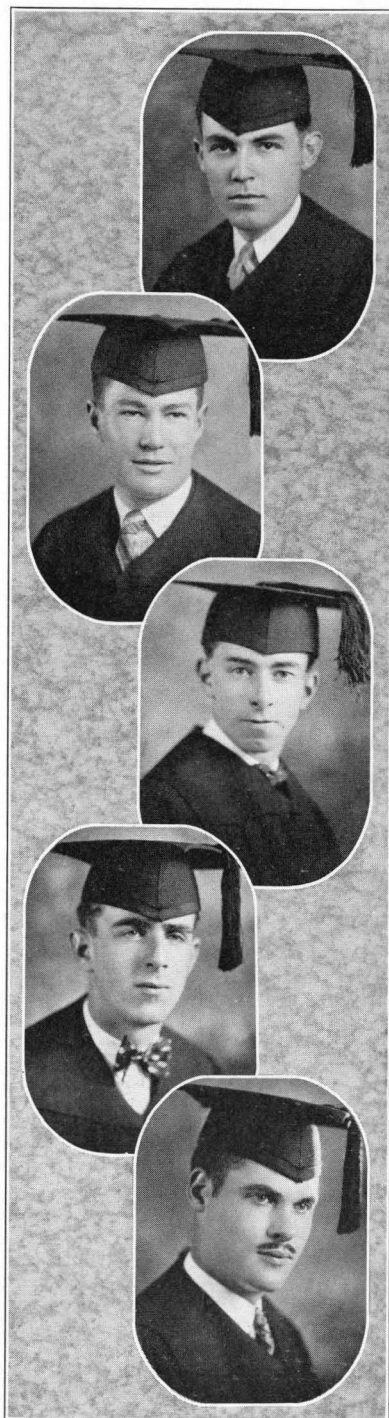
## JOHN ELY MARSLAND—"Ely"

*Tau Beta Pi.*

Venice, Calif.; Born Jan. 19, 1907; Prepared at Venice Union High School; Entered 1923; Chemistry; Chem Club (1, 2, 3, 4); Band (1, 2); Tech Staff (4).

## JOHN HAVILAND MAXSON—"Max"

Pasadena, Calif.; Born July 18, 1906; Prepared at Pasadena High School; Entered 1923; Geology; Chem Club (2, 3); Geology Club (4); Debate (1); Tech Staff (4).

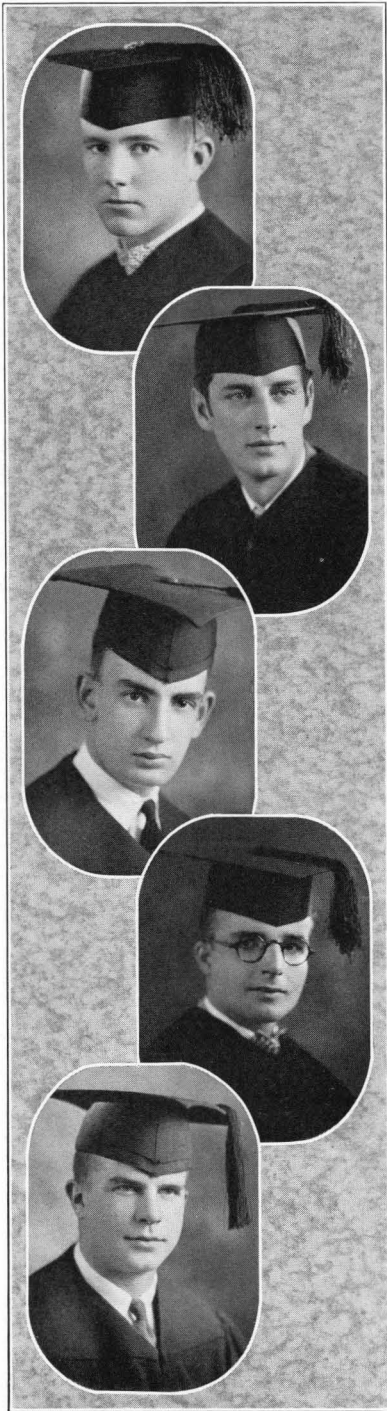




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The BIG T of '27

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LEWIS EVERETT MEDLIN—"Lew"

*Pharos.*

Beaver City, Neb.; Born Feb. 21, 1900; Prepared at Merrill (Neb.) High School; Entered 1923; Engineering and Economics.

LOUIS H. MESENKOP—"Kop"

Hollywood, Calif.; Born Feb. 6, 1903; Prepared at Decatur (Ill.) High School; Entered 1924; Electrical Engineering; Radio Club (3, 4); Glee Club (4); Orchestra (4).

FRANK PIERCE MESERVE JR.—"Junie"

*Gnome Club, Pi Kappa Sigma.*

Redlands, Calif.; Born Sept. 19, 1905; Prepared at Redlands High School; Entered 1923; Civil Engineering; Athletic Council (2, 3, 4); Football (1, 2) Manager (3); Track Letterman (2, 3, 4); Executive Committee (4); Board of Control (3); Honor Key (3, 4); Dorm Club (1); A. S. C. E. (3, 4); Exhibit Committee Chairman (3, 4); Student Relations Committee (3); Chorus (3); Big T Staff (3, 4); Plays (4); Athletic Manager (4); Varsity Club.

WILLIAM A. MINKLER—"Bill"

*Pi Alpha Tau.*

Pasadena, Calif.; Born June 22, 1904; Prepared at Riverside Polytechnic High School; Entered 1922; Electrical Engineering; Football (1, 2, 3); A. I. E. E. (2, 3, 4); Exhibit Committee (4); Chorus (3); Orchestra (4).

CAROL G. MONTGOMERY—"Monty"

*Tau Beta Pi, Sigma Xi*

Denver, Colo.; Born July 25, 1909; Prepared at East Side High School; Entered 1925; Physics; Aero Club (4).

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The BIG T of '27

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BERNARD NETTLETON MOORE

Los Angeles, Calif.; Born Jan. 23, 1906; Prepared at L. A. Polytechnic H. S., Los Angeles; Entered 1923; Geology Club (4); Chem Club (2, 3).

GEORGE EDWARD MOORE—"George"

*Pharos, Tau Beta Pi.*

Los Angeles, Calif.; Born Oct. 28, 1903; Prepared at Jefferson (Ore.) High School; Transfer from O. A. C.; Entered 1923; Football Letterman (2, 3, 4); Track (2, 3); Varsity Club; Exhibit Committee (4).

ROBERT MERRELL MOORE—"Bob"

Syracuse, N. Y.; Born Aug. 1, 1904; Prepared at Omaha, Syracuse and Pasadena High Schools; Entered 1923; Physics; Board of Control (1); Radio Club (2).

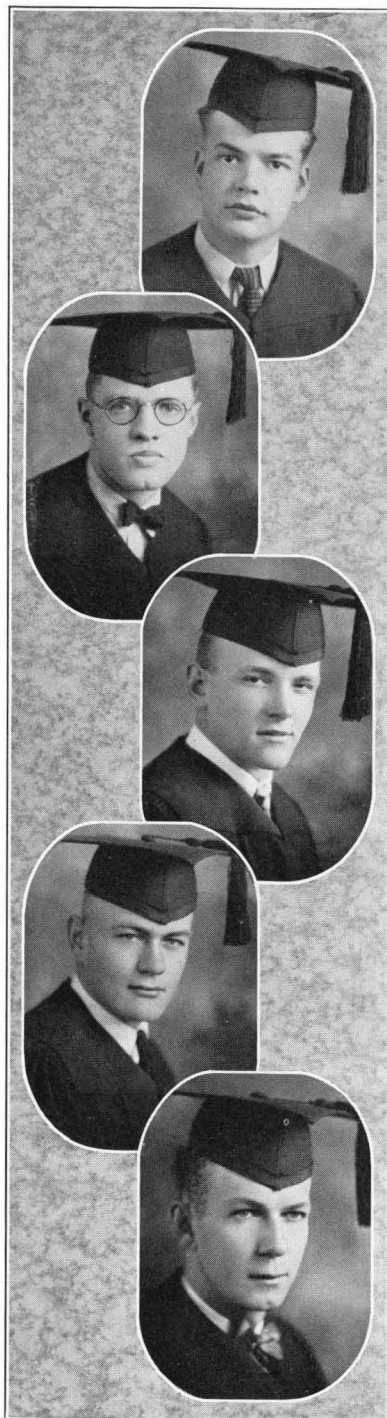
FRANK ANDREW NICKELL—"Nick"

*Sigma Alpha Pi, Pi Kappa Sigma, Tau Beta Pi.*

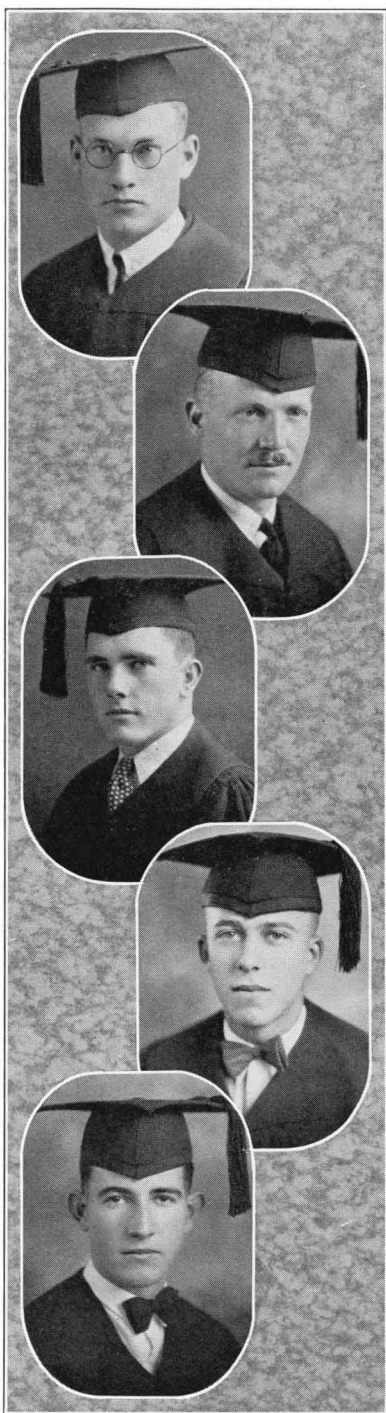
Denver, Colo.; Born March 1, 1906; Prepared at Los Angeles Polytechnic High School; Entered 1923; Geology; Football Letterman (2, 3, 4); Boxing (1); Board of Control (4); Varsity Club; Dorm Club (1); Delta Mu Beta (2); Class Vice-President (2); Class President (3); Tech Staff (3); Big T Staff (3).

CARROLL OSCAR NORDQUIST—"Cyanide"

Los Angeles, Calif.; Born Oct. 25, 1904; Prepared at Manual Arts High School; Entered 1922; Civil Engineering; Athletic Council (4); A. S. C. E. (2, 3, 4); Baseball Manager (2, 3); Tech Staff (2, 3, 4); Big T Staff (2); Y. M. C. A. (1, 2, 3, 4).



# The BIG T of '27



## FRANK FRED PETERSON

San Diego, Calif.; Prepared at San Diego High School; Entered 1923; Mechanical Engineering.

## H. FRED PETERSON—"Peter"

*Gnome Club, Pi Kappa Delta, Pi Kappa Sigma.*

San Bernardino, Calif.; Born Aug. 30, 1901; Prepared at San Bernardino High School; Entered 1921; Football (1, 3); Baseball Letterman (2, 3, 4); Basketball (3); Board of Control (4); Drama Club; Honor Key (3); A. S. C. E. (3, 4); Class President (2); Big T Circulation Manager (3) Staff (4); Plays (3, 4); Press Club; Varsity Club.

## THURMAN STEWART PETERSON—"Pete"

*Sigma Alpha Pi, Tau Beta Pi.*

Los Angeles, Calif.; Born May 5, 1905; Prepared at Los Angeles High School; Entered 1923; General Course; Football (4) Letterman (3); Basketball Letterman (2, 3, 4); Baseball Letterman (3) Honor Key (2); Varsity Club; A. S. C. E. (2, 3) Vice-President (4); Honor Key Committee (3, 4); Class President (2); Band (2, 3); Chorus (2); Tech Staff (1, 2); Big T Staff (3).

## ROLLAND ALSON PHILLEO—"Rolly"

*Tau Beta Pi, Pi Kappa Sigma.*

Azusa, Calif.; Born Jan. 18, 1906; Prepared at Covina Union High School; Entered 1923; Civil Engineering; Track (1); Dorm Club (1, 2, 3); A. S. C. E. (2, 3) President (4).

## LEE WALTER RALSTON—"Ralstine"

*Sigma Alpha Pi, Pi Kappa Sigma.*

Redlands, Calif.; Born Sept. 15, 1905; Prepared at Redlands High School; Entered 1923; Mechanical Engineering; Track (3) Letterman (2, 4); Cross-country (1, 2, 3) Captain (4); Varsity Club; Aero Club (3, 4); A. S. M. E. (3) Vice-Chairman (4); Band (1, 2, 3, 4); Straight 8 (2, 3).

ENGLE FITZ RANDOLPH—"Oogle"

Redlands, Calif.; Born Feb. 8, 1903; Prepared at Redlands High School; Entered 1923; Electrical Engineering; Baseball (1); Tumbling (4).

ROLAND WILLIAM REYNOLDS—"Roly"

Los Angeles, Calif.; Born Sept. 3, 1905; Prepared at Franklin High School; Entered 1923; Chemical Engineering; Baseball (2, 3, 4); Throopers (3, 4); Chem Club (1, 2, 3, 4); Exhibit Committee (3); Chorus (2, 3); Tech Staff (2, 3); Big T Staff (3, 4).

EUGENE HOWARD RIGGS—"Jiggs"

*Pi Kappa Sigma.*

Pasadena, Calif.; Born Dec. 12, 1904; Prepared at Pasadena High School; Entered 1922; Engineering and Economics; Rifle Team (1, 2, 3, 4); Rifle Club (1, 2, 3, 4); Band (2, 3, 4); Chorus (2, 3); Straight 8 (3); Tech Staff (2, 3, 4); Orchestra (4).

VINCENT WAYNE RODGERS—"Wayno"

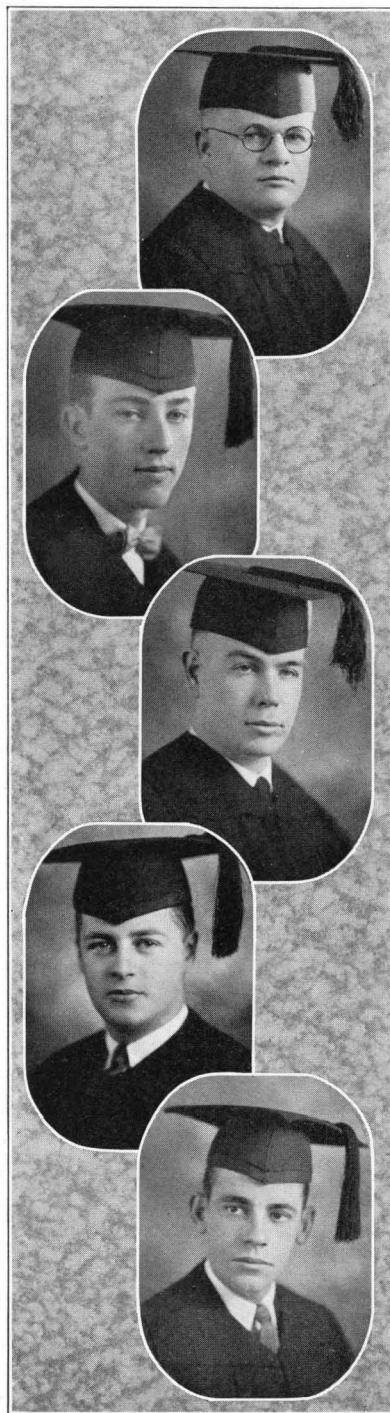
*Gnome Club, Pi Kappa Delta, Pi Kappa Sigma, Tau Beta Pi.*

Telluride, Colo.; Born June 21, 1906; Prepared at Manual Arts High School; Entered 1922; Civil Engineering; Rifle Team (1, 2, 3); Manager (3, 4); Baseball (2); Executive Committee (5); Board of Control (5); Drama Club (4, 5); Honor Key (4, 5); A. S. C. E. (3, 4, 5); Vice-President A. S. B. (5); Debate Manager (3); Drama Club Manager (3); Chorus (3, 4); Debate (1, 2, 3, 4); Extemporaneous (2); Pi Kappa Delta National Convention (4); Debate Trip (4); Tech Staff (3, 4); Big T Staff (3, 4, 5); Press Club; Y. M. C. A. (1, 2, 3, 4); Plays (3, 4, 5); N. R. A. (4, 5).

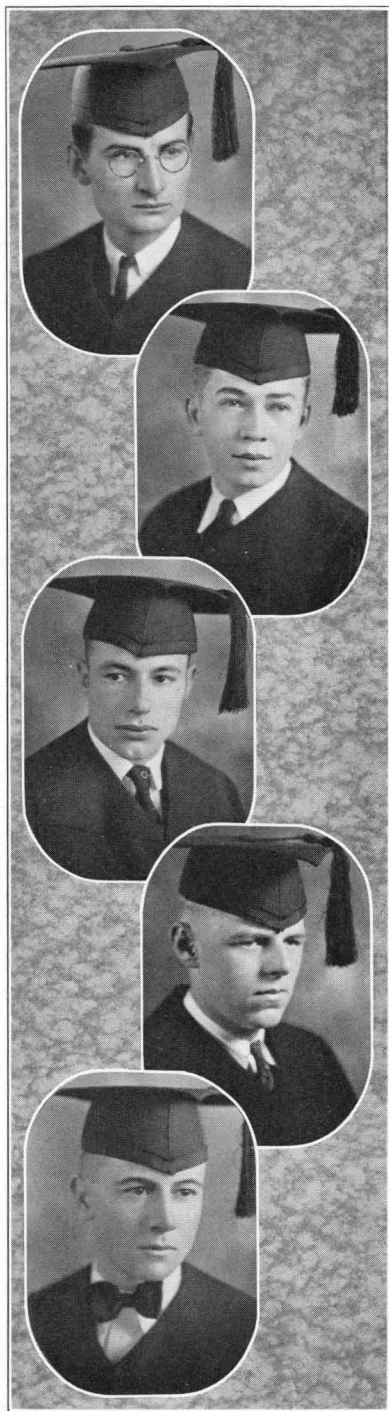
LEONARD WIKOFF ROSS—"Buzzie"

*Sigma Alpha Pi.*

San Diego, Calif.; Born Sept. 15, 1903; Prepared at San Diego High School; Entered 1923; Civil Engineering; Tennis Manager (1) Letterman (2) Captain (3, 4); Throopers (4); Varsity Club; A. S. C. E. (2, 3) Secretary (4); Press Club; Honor Key (4); Football Manager (4); Tech Staff (2, 3) Sport Editor (4); Big T Staff (3) Senior Portfolio Editor (4); Athletic Council (4).



# The BIG T of '27



## ROBERT TROWBRIDGE ROSS—"Bob"

*Gnome Club, Pi Kappa Delta.*

Pasadena, Calif.; Born April 4, 1906; Prepared at Pasadena High School; Entered 1923; Physics; Executive Committee (4); Drama Club (3, 4); Honor Key (3, 4); Press Club; Delta Mu Beta (1, 2, 3); Debate Manager (3, 4); Chorus (2, 3); Debate (1, 2, 3, 4); Extemporaneous (4); Tech Staff (2, 3); Big T Staff (3, 4); Y. M. C. A. (2, 4); Plays (3, 4); Debate Trip (3); Freshman Debate Coach (3, 4); Publicity Manager of A. S. B. (4).

## FREDERICK TAYLOR SCHELL—"Freddie"

*Sigma Alpha Pi, Pi Kappa Sigma.*

Xenia, Ohio; Born Aug. 15, 1905; Prepared at Central (Ohio) High School; Entered 1923; General Course; Football (3, 4); Band (2, 3, 4); Chorus (3); A. I. E. E. (2, 3); Y. M. C. A. (1, 2, 3, 4).

## MURRAY NAVARRE SCHULTZ—"Irish"

*Gnome Club*

Los Angeles, Calif.; Born Dec. 13, 1903; Prepared at Manual Arts High School; Entered 1922; Chemical Engineering; Track (1) Letterman (3, 4) Captain (5); Court of Traditions (3); Varsity Club; Throopers (5); Tech Staff (3, 4); Yell Leader (4).

## JOHN DAVIS SHUSTER—"Dave"

*Pi Alpha Tau*

Pasadena, Calif.; Born July 31, 1906; Prepared at Pasadena High School; Entered 1923; Electrical Engineering; Basketball (1); Drama Club; A. I. E. E. (3, 4); Orchestra Manager (4); Band (2, 3, 4); Debate (3); Y. M. C. A. Cabinet Member (4); Plays (3, 4).

## LEONARD LEROY SNYDER—"Pinky"

*Pharos, Pi Kappa Sigma*

Pasadena, Calif.; Born May 8, 1905; Prepared at Pasadena High School; Entered 1923; Mechanical Engineering; Track (3); Baseball (1, 2) Letterman (3, 4); Varsity Club; A. S. M. E. (2, 3) Chairman (4); Class Vice-President (3); Class Athletic Manager (4); Glee Club (4); Chorus (3).

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The BIG T of '27

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THOMAS SCOTT SOUTHWICK—"Suthick"

Los Angeles, Calif.; Born June 25, 1905; Prepared at Los Angeles Polytechnic High School; Entered 1923; Geology; Delta Mu Beta (2, 3, 4); A. I. E. E. (2).

GLEB A. SPASSKY

Ekaterinburg, Russia; Born Jan. 26, 1903; Prepared at Harbin School of Commerce, Harbin, China; Entered 1923; Electrical Engineering; Cosmopolitan Club (2, 3, 4); A. I. E. E. (3, 4).

W. LAYTON STANTON—"Layt"

*Sigma Alpha Pi. Pi Kappa Delta,  
Pi Kappa Sigma.*

Pasa Robles, Calif.; Born Jan. 9, 1906; Prepared at Glendale, Citrus, Pasa Robles High Schools; Entered 1923; Geology; Athletic Council (4); Football (1) Letterman (2, 3) Captain (4); Track (1, 2, 3, 4); Baseball (1, 2, 4); Executive Committee (2); Exhibit Committee (4); Class President (1); Representative at Large (2); Debate (1, 2, 3); Varsity Club.

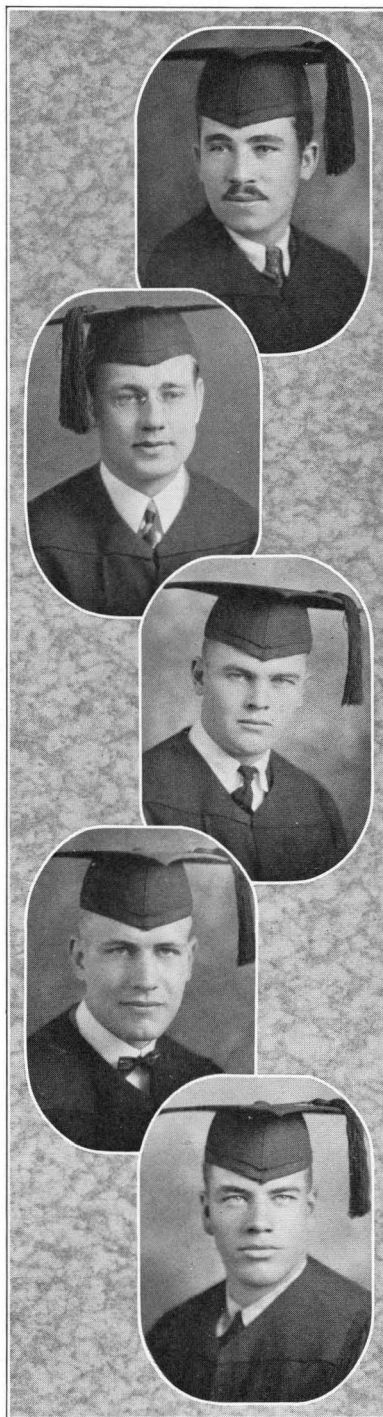
HOWARD RICHARD STARKE—"How"

*Pi Alpha Tau, Tau Beta Pi.*

Tarentum, Penna.; Born May 12, 1905; Prepared at Huntington Park Union High School; Entered 1923; Mechanical Engineering; Basketball (1) Letterman (2, 3) Captain (4); Honor Key (4); A.S.M.E. (4); Glee Club (4); Tech Staff (4); Orchestra (4); Varsity Club.

RAYMOND EARL ST. CLAIR—"Ray"

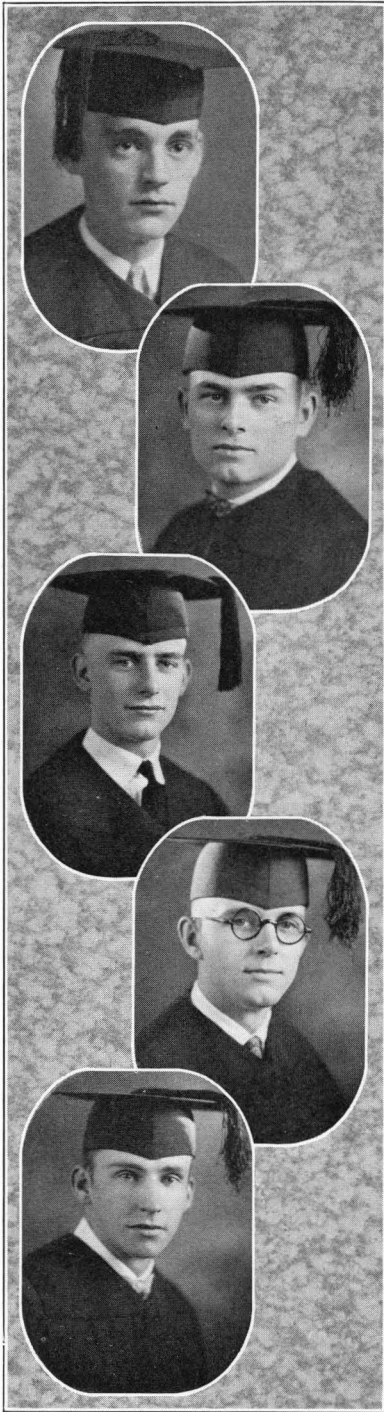
South Pasadena, Calif.; Born July 30, 1903; Prepared at Atascadero (Calif.) High School; Entered 1923; General Course; Throopers (4); Drama Club (2, 3, 4); Press Club; Chem Club (1, 2, 3); Chorus (1, 2, 3); Tech Staff (1, 2) Asst. Managing Editor (3) Managing Editor (4); Big T Staff (2, 3, 4); Plays (1, 2).



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The BIG T of '27

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DONALD S. STONE

*Pharos.*

Dillon, Montana; Born Aug. 22, 1904; Prepared at Beaverhead Co. High School, Dillon, Montana; Chemical Engineering; Entered 1922.

CHARLES ALBERT SWARTZ

*Tau Beta Pi, Sigma Xi.*

Pasadena, Calif.; Born Feb. 4, 1905; Prepared at Concordia (Kansas) High School; Entered 1923; Physics.

FREDERICK G. THEARLE

*Tau Beta Pi.*

Chula Vista, Calif.; Born March 11, 1904; Prepared at San Diego High School; Entered 1923; Mechanical Engineering; Aero Club (1, 2) President (3, 4); Alumni Scholarship (1).

DONALD RAW THOMPSON—"Don"

*Pi Kappa Sigma.*

South Pasadena, Calif.; Born July 27, 1905; Prepared at South Pasadena High School; Entered 1923; Chemical Engineering; Chem Club (1, 2, 3, 4); American Chemical Society.

RUSSELL EDGAR THOMPSON—"Russ"

Los Angeles, Calif.; Born Oct. 24, 1904; Prepared at Manual Arts High School; Entered 1923; Electrical Engineering; Football (2); Track (3, 4); Tennis (1, 2, 3); Radio Club (4); A.I.E.E. (2, 3, 4); Chorus (1, 2, 3); Tech Staff (3, 4); Big T Staff (4); Y.M.C.A. (1, 2, 3, 4); Orchestra (4).

FRANCIS EARL TURNER—"Earl"

Anaheim, Calif.; Born June 4, 1905; Prepared at Anaheim High School; Entered 1923; Geology; Rifle Club (2, 3, 4).

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The BIG T of '27

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ROBERT BRAINARD VAILE JR.—“Bob”

*Tau Beta Pi.*

Alhambra, Calif.; Born May 5, 1907; Prepared at Los Angeles High School; Entered 1923; Electrical Engineering; A.I. E.E. (4); Radio Club (4).

C. JACKLEY WALLACE—“Jack”

San Gabriel, Calif.; Born April 10, 1904; Prepared at Alhambra High School; Transfer from U. C. L. A.; Entered 1924; Electrical Engineering; Football (2, 3, 4); Basketball (3, 4); Delta Mu Beta (2, 3, 4).

RALPH MEYHEW WATSON—“Ralph”

*Pharos, Tau Beta Pi.*

Pasadena, Calif.; Born Jan. 14, 1905; Prepared at Pasadena High School; Transfer from U. C. L. A.; Entered 1924; Mechanical Engineering; Football (3); Swimming (3, 4); A. S. M. E. (3) Secretary (4); Band (2, 3, 4); Straight 8 (2, 3); Orchestra (4).

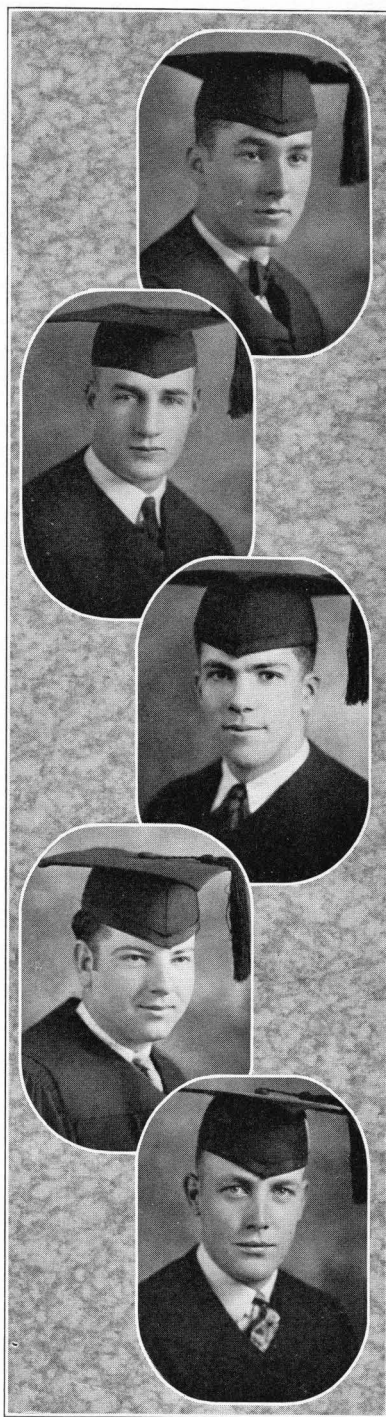
JOHN LEVI WEISEL—“Johnny”

Los Angeles, Calif.; Born Aug. 27, 1904; Prepared at Franklin High School; Transfer from U. C. L. A.; Entered 1925; Mechanical Engineering; Aero Club (4); Radio Club (3); A.S.M.E. (4).

C. KENYON WELLS—“Kenny”

*Tau Beta Pi.*

Pasadena, Calif.; Born Feb. 4, 1905; Prepared at Pasadena High School; Entered 1923; Mechanical Engineering; Track (3); Aero Club (3) Secretary (4); Glee Club (4).

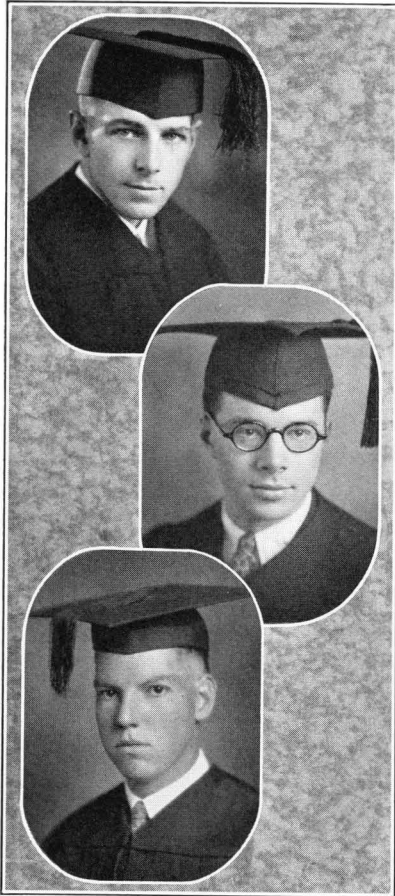




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The BIG T of '27

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RUSSELL EDGAR THOMPSON—"Russ"

*Gnome Club.*

Hollywood, Calif.; Born Dec. 5, 1904; Prepared at Hollywood High School; Entered 1922; Electrical Engineering; Yell Leader (2); Throopers (3, 4); A.I.E.E. (4); Glee Club (1,3); Big T Staff (4); Radio Club (2, 3, 4).

BORIS VASSILIEVICH ZBRADOVSKY—"Boris"

Harbin, China; Born Nov. 8, 1905; Prepared at Harbin Commercial High School; Entered 1924; Electrical Engineering; Cosmopolitan Club (2) Secretary (3) President (4); Dorm Club (2, 3, 4); A.I.E.E. (4).

TED REDMOND GILLILAND—"Ted"

Danville, Illinois; Born March 16, 1903; Prepared at Danville (Illinois) High School and U.C.L.A.; Entered 1922; Electrical Engineering; Leave of absence Sept. 1923, to Sept., 1924, and Mar., 1926, to Mar., 1927; A.I.E.E. (3); Radio Club (4).

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# The BIG T of '27

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## CASUALTIES

- JAMES ADRIAN JR.—Dropped out during second term '23-'24.  
ELVIN ANDERSON—Left at the end of the first term '23-'24.  
ARTHUR B. ANDERSON—Now an automobile salesman in Los Angeles.  
WENDALL L. ANDREWS—Working on a farm in Oregon.  
WILLIAM ARNOLD—Member of the class of '28 at C.I.T.  
FRED ARMSTRONG—Dropped out at the end of the first term '23-'24.  
J. C. BAIRD—Left during the second term '23-'24.  
PAUL H. BAUER—Left at the end of the first term '23-'24.  
DIXIE BANN—Living at Gadsden, Arizona.  
LAURENCE BERG—Left at the end of the first term '23-'24.  
EDWIN L. BIDWELL—Dropped out during last half of '23-'24.  
CARL BLOOM—Member of the class of '27 at Occidental.  
DAVID BOGEN—Member of the class of '27 at the University of Cincinnati.  
TOWNSEND BROWN—Doing research work at Zanesville, Ohio.  
MAXWELL BURKE—Member of the class of '28 at C.I.T.  
GEORGE S. BURRELL—Attending Cornell University, class of '27.  
WAKEFIELD BYRKIT—C.I.T. Member of the class of '28.  
EARL L. CALVERT—Now going to University of California.  
DONALD CLARK—Left during the third term '23-'24.  
WILLIAM D. CLARK—Studying at the School of Optometry.  
F. HARRIS CLOYES—Killed in electrical work, 1925.  
GEORGE W. COFFEY—Taking a course in electrical engineering at U.S.C.  
WALTER CRUZAN—C.I.T. Member of the class of '29.  
RALPH CUTLER—C.I.T. Member of the class of '28.  
EDWIN A. DOANE—Now attending School for Honor Students, University of Wisconsin.  
ALBERT DRASDO—Graduated from Stanford, December, 1926.  
HAROLD A. DRESSER—Dropped out during the last half of '23-'24.  
RALPH C. FARRIES—Working with the Southern California Edison Co.  
GLENN FEELY—Stanford. Member of the class of '27.  
K. M. FENWICK—C.I.T. Member of the class of '28.  
ELMER H. FISHER—Left at the end of the third term '25-'26.  
ALFRED L. FOSTER—Graduated from C.I.T. in 1926.  
CHARLES B. FOSTER—Dropped out during the last half of '23-'24.  
WILLIARD H. FRANCIS—Studying architecture at Berkeley.  
RALPH A. FREEMAN—Drafting for Los Angeles County.  
W. E. FROGGATT—Now a senior at U.C.L.A.  
WILLIAM FOWLKES—Left during the last half of '23-'24.  
DONALD H. FRY JR.—Now attending Stanford.  
JOHN GALBIAN—Left during the last half of '23-'24.  
HERBERT A. GALE—Member of the class of '27 at U.C.L.A.  
EDWARD R. GILMORE—C.I.T. Member of the class of '28.  
FREDERICK GLEASON—Left at the end of the second term of '23-'24.  
EARNEST GORDON—Now a student at Oregon Agricultural College.  
ROBERT N. GREEN—Left during the last half of '23-'24.  
J. H. GUNNING—Now a junior at Massachusetts Institute of Technology.  
PERCY S. HALLETT—Deceased, 1925.  
ROBERT HALLSTEAD—Dropped out at the end of the first term '24-'25.  
ERCELL B. HARRISON—Dropped out at the end of the second term '24-'25.  
CHARLES HARTWELL—Now living at Yuma, Arizona.  
JAMES C. HARTWELL—U. S. C. Class of '23.  
ALBERT HAYDON—Working in San Francisco.  
JOHN D. HERTZ—Attending the Oregon Agricultural College.  
WILLIAM J. HEWSTON—In business in Ventura.  
GEORGE HODEL—Newspaper reporter in Los Angeles.  
JAMES E. HOLLAND—With Montgomery Ward & Co., Sacramento.  
GEORGE HOOK—Dropped out at the end of the first term '23-'24.  
LOZELL E. HOOKWAY—Now a member of the class of '28.  
HUGH HOSSACK—Now a member of the class of '28.  
WILLIAM M. HOUGHTON—Now doing architectural work in Los Angeles.  
FRANK M. HUDSON—Dropped out end of first term '23-'24.  
NORMAN B. HUME—With the Los Angeles Engineering Dept., Married.  
WILLIAM D. JACKSON—Now a member of the class of '27 at U. S. C.

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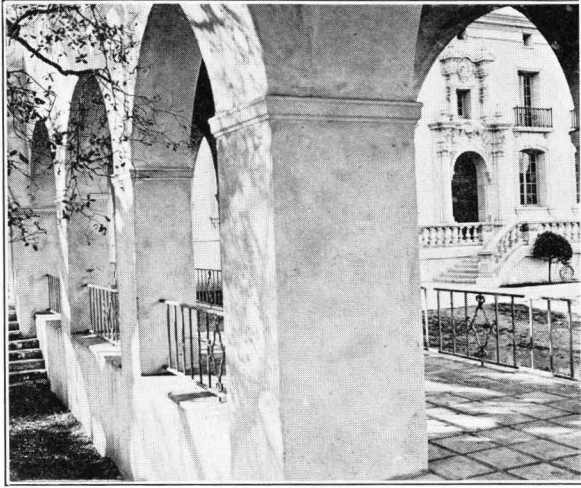
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The BIG T of '27

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- VERNON P. JAEGER—Attending Redlands University.  
JAMES B. JEROME—Dropped out at end of first term '23-'24.  
JOSEPH J. JOHNSON—Now a member of the class of '28.  
GEORGE S. KANEKO—Now a member of the class of '28.  
STEPHEN T. KASPEROWICZ—Dropped between second and third terms '23-'24.  
CHARLES F. KETCHAM—Dropped out at the end of the first term '23-'24.  
CLARENCE F. KIECH—Graduated with the class of '26.  
HAROLD F. KIENLY—Now attending Pasadena J. C.  
JOHN G. KIRKWOOD—Dropped out at end of third term '24-'25.  
S. E. KANDRASHOFF—Studying mechanical engineering at the University of Nevada, class of '28.  
LESLIE KREUTZER—Dropped out end of first term '23-'24.  
DALE C. LAMBERT—Working for the Washington Power Co. at Spokane, Wash. Married.  
EDWARD M. LEVINE—Dropped out end of first term '24-'25.  
R. F. LOHSE—Died in 1924.  
ROBERT E. LONGAKER—Dropped out in latter part of Freshman year.  
RUSSELE LOVE—Now a member of the class of '28.  
RANDOLPH MATSON—Working for the Associated Oil Co. at Fellows, Calif.  
PAUL MAYHEW—Working for the Standard Oil Co. at Bishop, Calif.  
THURLOW H. McCOMB—Now a member of the class of '28.  
THEODORE A. MCGEE—Dropped out end of first term '24-'25.  
WILLIAM D. MERRITT—Dropped out at end of first term '23-'24.  
DAVID R. METZ—Attending the College of Pharmacy, Berkeley. Married.  
W. B. MILLER—Dropped out end of first term '23-'24.  
CYRUS G. MINKLER—Now a member of the class of '28.  
HORACE S. MOORE—Dropped out at the end of the third term '24-'25.  
FRANK Y. MURAI—Member of the class of '27 at Berkeley.  
CARL MUSCHENHEIM—Dropped out in the latter part of the freshman year.  
WIEDLER MUSSELMAN—Dropped out in latter part of freshman year.  
JAMES H. MEYERS—Studying journalism at San Diego State College.  
DONALD C. NETZ—Killed at Yosemite in the summer of 1925.  
WILLIAM L. OLSEN—Now a member of the class of '28.  
LEWIS ORSATTI—Working at the Miller Engine Works, Los Angeles.  
WINTHROP OWEN—Attending Southern Branch.  
RAYMOND PERRY—Graduated from Stanford, Class of '26.  
RUSSEL W. POWERS—Working with the Los Angeles Engineering Dept.  
EVAN E. PUGH—Member of the class of '28.  
EDWARD RAYMOND—Dropped out end of first term, '25-'26.  
PHILIP REES—Attending U. S. C. Dental College.  
ALAN A. ROBINSON—Dropped out at the end of the first term '32-'24.  
ROGER ROBINSON—Dropped out the latter part of the freshman year.  
FRANK M. ROUSCH—Dropped out latter part of freshman year.  
THOMAS R. RUNNELLS—Dropped out at the end of first term '23-'24.  
GEORGE VERNON RUSSELL—Studying architecture at the University of Wash.  
MAXWELL H. SCHACKNER—Dropped out at the end of the third term '24-'25.  
RICHARD SCHECK—Engaged in the automobile business in Los Angeles.  
MALCOLM SCOTT—Doing structural building.  
KENICHI SHINTANI—Dropped out at the end of the third term '24-'25.  
BUNDE B. SKOV—Dropped out during the latter part of the freshman year.  
JOHN F. SNYDER—Dropped out at the end of the first term '23-'24.  
JEROME W. STAFFORD—Dropped out at the end of the third term '25-'26.  
CECIL D. ST. HELEN—Now an electrician at the Institute.  
DONALD T. TARR—Now a member of the class of '28.  
RALPH S. THACKER—Now a member of the class of '28.  
GUY TOLLE—Dropped out at the end of the first term '23-'24.  
AUBREY B. UPWARD—Now a transitman for the Shell Oil Co.  
JOSE ALFONSO VALDIVIESO—Dropped out during the latter part of the freshman year.  
WILLIAM W. VAN SICKLE—Now working in Los Angeles.  
ALVIN G. VINEY—Now a member of the class of '28 at West Point.  
ARCHIE WADE JR.—Dropped out the end of the first term '23-'24.  
W. N. WALKER—Now a member of the class of '28.  
RODERICK D. WARD—Now a member of the class of '27 at Stanford.  
CARL WESTLUND—Working on a farm at Colusa, Calif.  
ALBERT H. WHITE JR.—Working on a ranch at La Habra, Calif.  
RICHARD B. WHITTINGTON—Now a member of the class of '29.  
WILLIAM C. WICKMAN—Now a member of the class of '28 at Iowa State University.  
WILBER WYRE—Dropped out at the end of the first term '23-'24.  
EARL ZELLER—Now studying chemistry at Harvard.

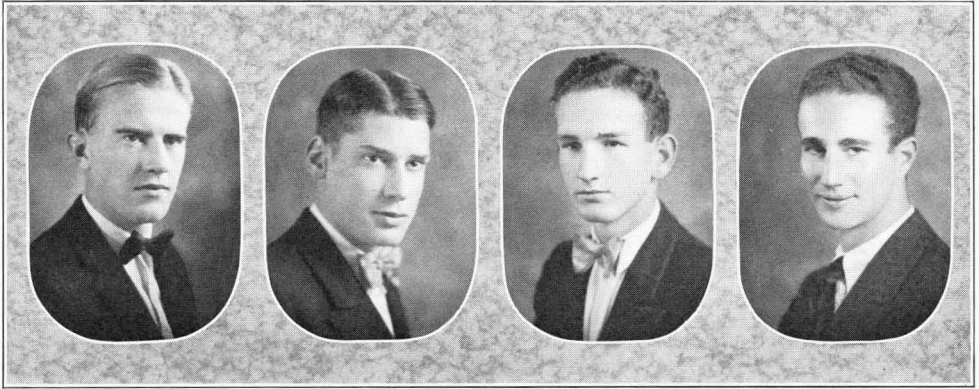


## OTHER CLASSES

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The BIG T of '27

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JACOBSON

JOUJON-ROCHE

JACOBS

MILLER

JUNIOR CLASS

OFFICERS

EDWARD JOUJON-ROCHE	/ / / /	President
RAY JACOBSON	/ / / /	Vice-President
MORTON JACOBS	/ / / /	Secretary-Treasurer
ELBERT MILLER	/ / / /	Athletic Manager

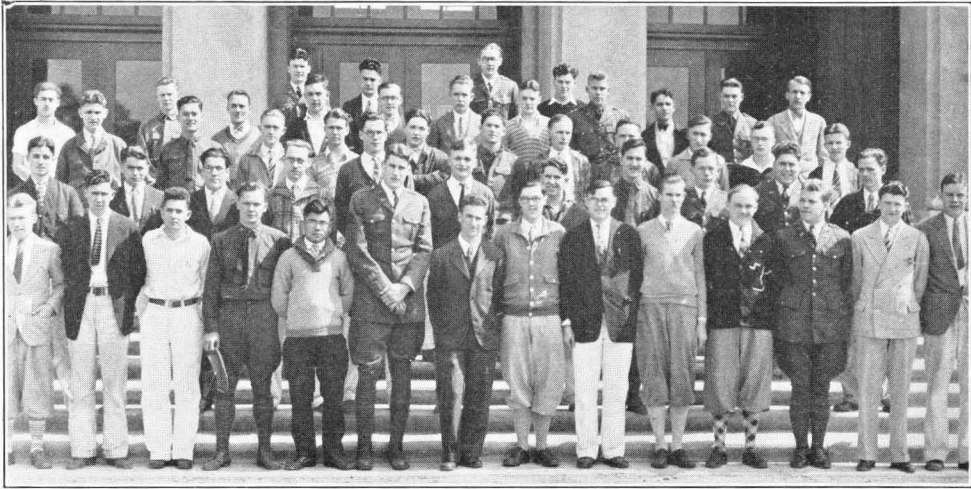
BOARD OF CONTROL

ROBLEY EVANS  
DOUGLAS KINGMAN  
KENNETH ROBINSON

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## The BIG T of '27

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The year 1926-27 proved to be a banner year for the junior class. It was not so much the unprecedented size of the class, although this is the largest class that has ever weathered three years of Tech's rigors, nor the exceptional abilities and brilliance which the members of the class displayed individually and collectively, but rather that happy union of these two essential factors which makes the class of 1928 one of which Tech may well be proud.

In a resume of the history of the current year, numerous achievements of the class of '28 are conspicuous. In accordance with the requirements of the college a great deal of attention has been paid to scholastic standing, with the result that relatively few men have failed to stay with the class. The unusual mental caliber of the class is evidenced by the necessary increase in travel prizes from two to eight.

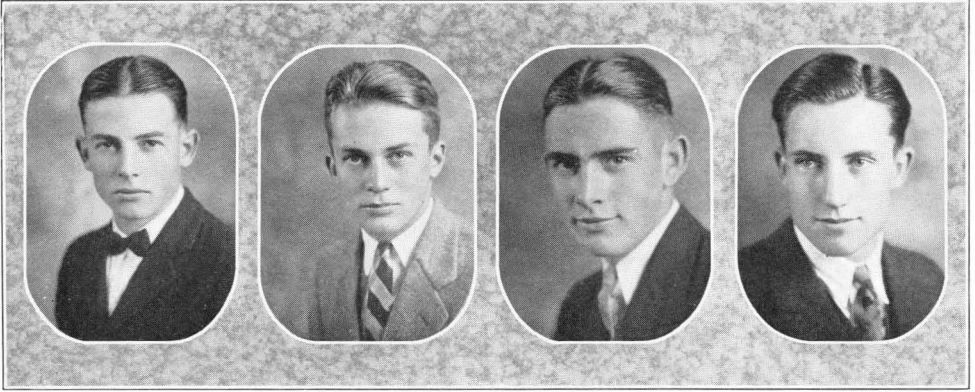
Not only in scholarship, but on the athletic field the junior class also demonstrated its unusual ability. Out of a total of eighteen football letters, seven are worn by juniors. The captain of the basketball team for the ensuing year was select from the junior lettermen. Even though the seniors carry the honors in track several letters were awarded to junior aspirants. In baseball juniors are competing for key positions on the team.

The intramural football championship was won by the junior class. In track and basketball the juniors placed a close second. The minor intramural sports of wrestling and boxing were also won by the juniors. Intramural baseball is yet to come but in past years the class of '28 has always had a good team and it will probably be well towards the top again this year. With the large number of points already amassed in intramural athletics, the juniors seem well on their way toward an intramural championship. In addition to athletic attainments, a great number of juniors have demonstrated exceptional ability in the cultural fields of forensics and dramatics.

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The BIG T of '27

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KINGMAN

STURGESS

BEWLEY

DALY

SOPHOMORE CLASS

OFFICERS

FREDERICK BEWLEY	/	/	/	/	/	President
CLINTON STICKNEY	/	/	/	/	/	Vice-President
KENNETH KINGMAN	/	/	/	/	/	Secretary-Treasurer
HUBERT O'HAVER	/	/	/	/	/	Athletic Manager

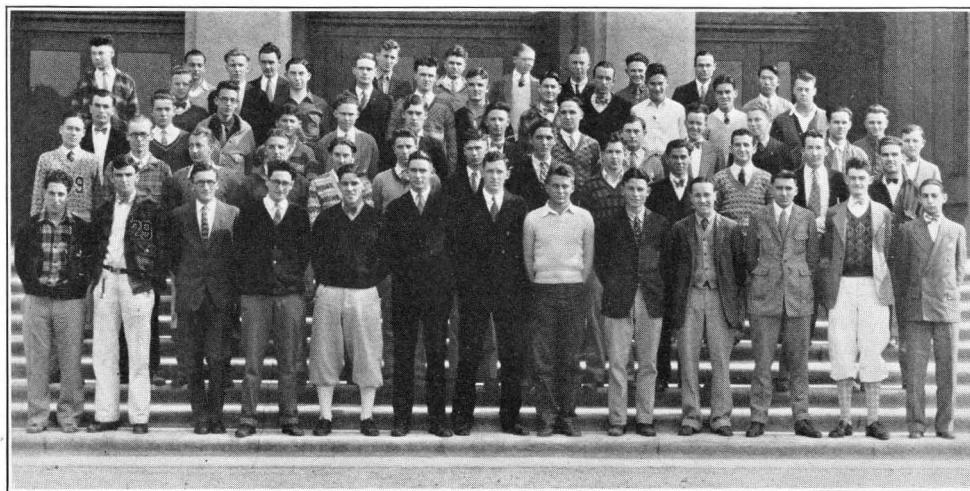
BOARD OF CONTROL

ROSCOE DOWNS  
FRED WHEELER

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## *T h e B I G T o f ' 2 7*

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A warm reception was tendered the freshmen by their traditional enemies, the sophomores, during the first few days of their life at the Institute. The class rivalry which soon developed was permitted full expression at Tournament Park a few weeks later.

The two classes, clad in old clothes of every conceivable kind and vintage, lined up on opposite ends of the football field. A determination to win was shown by both classes—the freshmen because of their desire to have revenge for the humiliations they had already suffered at the hands of their opponents—and the sophomores rankling under the memory of their defeat as freshmen the preceding year.

The whistle blew, and the struggle was on—the two teams at first appearing to be pretty evenly matched. Shortly, however, the superior organization of the sophomores began to make itself evident. The great ball would make a short movement toward the freshman goal—then it would halt a few moments, only to resume its onward march. There was much rejoicing on the one side, accompanied by gnashing of teeth on the other, when the huge sphere was finally pushed across the freshman line for the initial score of seven points.

This success on the part of the sophomores so disheartened the first year men that the battle was very much one sided from that time forth. Toward the end of the last half, the contest took on much of the aspects of a foot-race. The ball would start down the field toward the freshman goal; and once started would go so fast that it would almost run away from the frantically running and pushing sophomores. As is the custom, the juniors acted as referees for the contest, which was very well managed.

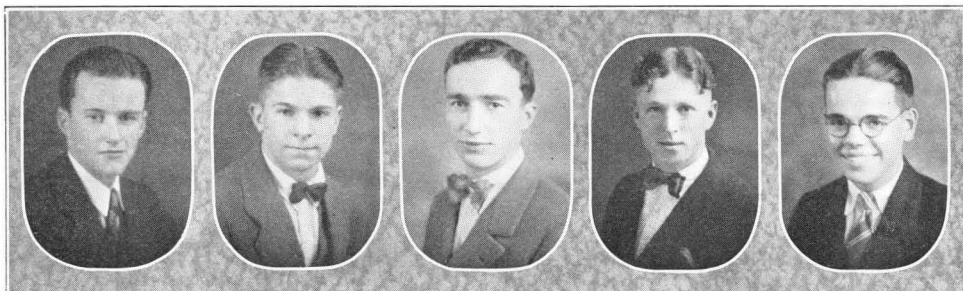
As a result of their defeat, the freshmen gave an excellent dance for the two lower classes shortly after they were emancipated. Thus ends the hostility and rivalry between the two classes.



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The BIG T of '27

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CRAWFORD

TOWLER

OAKS

HERD

HACKER

FRESHMAN CLASS

OFFICERS

ROBERT OAKS	/	/	/	/	/	President
CHARLES HERD	/	/	/	/	/	Vice-President
WILLIAM TOWLER	/	/	/	/	/	Secretary
FRANKLIN CRAWFORD	/	/	/	/	/	Treasurer
WILLIAM HACKER	/	/	/	/	/	Athletic Manager

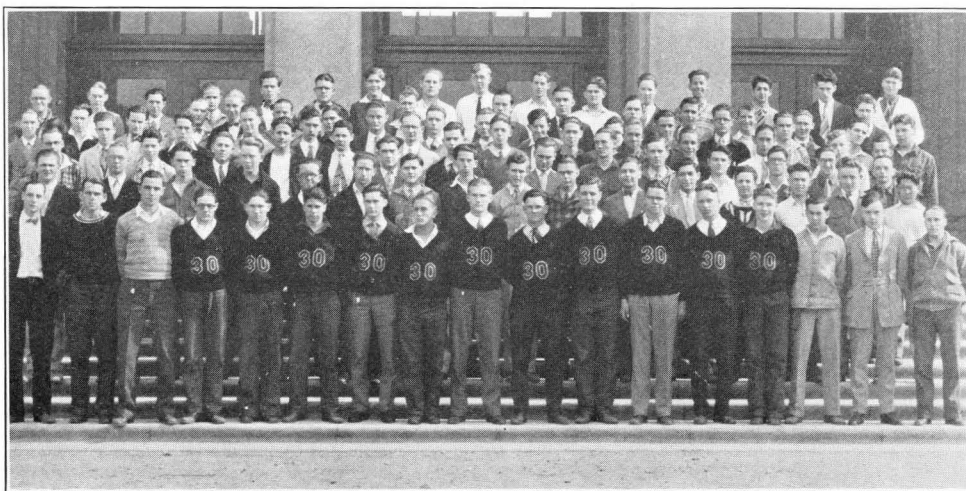
BOARD OF CONTROL

HORACE ALLEN

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## The BIG T of '27

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The time of one's college course which carries with it the most memories is perhaps one's freshman year. Along with the newness of college ways and life comes the newness of being a "frosh," just a mere, down-trodden freshman. He is called upon to do some task here, to refrain from doing something there—and to suffer punishment for his shortcomings.

As all who have been thru the experience know, this manner of treatment has as its aim the impression upon the late high school graduate that he is in an entirely new and strange world in which he is known not by his past records but rather by what he can accomplish now, and during his four-year stay in this world. He must realize that although he has just reached the top of one ladder, he is only at the bottom of a second and higher one. The freshman must also learn to know and to respect the traditions as established by former classes. We present members of the Institute enjoy a great privilege due to the relative youth of our college. We have the chance to instigate the traditions and customs which in years to come will form the most cherished part of the college life.

Such a new custom was started during the past year—or rather a still embryonic tradition was modified. It had been the practice in the few previous years for the freshmen rules to be enforced by the sophomores and the Court of Traditions throughout the year. However, this year, it was decided that a full three terms was longer than was necessary in order to obtain the desired results so the time was shortened to approximately two-thirds of a college year.

As a consequence of this decision, the freshmen threw off their shackles February twenty-first and took their place with the other students as college men. Amid doleful sounds from a tuba and a saxophone, intermingled with the screeching of a fire siren, the first year men buried the hatchet of rivalry between the two lower classes—and forthwith proceeded to enjoy the privileges of sophomores.

The BIG T of '27



SHOOTING THE OXY CROWD



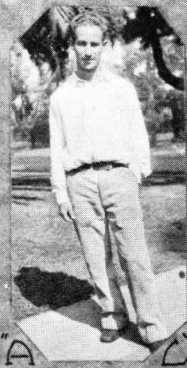
FIGURING IT OUT



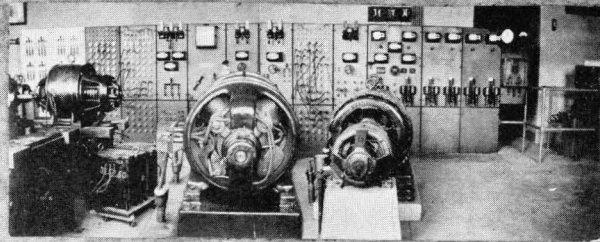
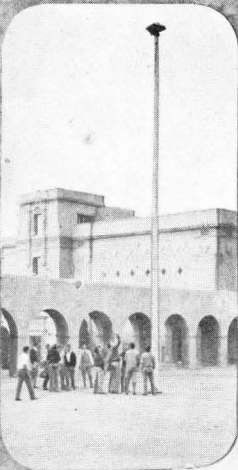
TECH CO-ED



LOOKING IT OVER



"A" "C"



THE PRIDE OF THE JUICERS



BEFORE

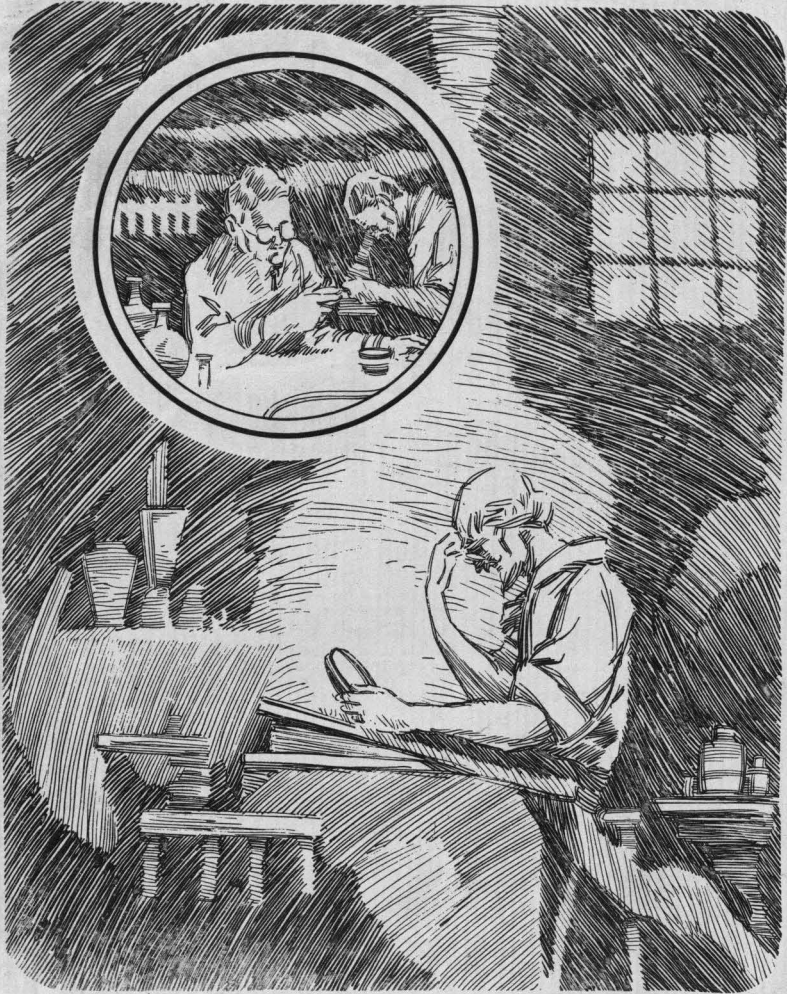
P.A.C.C.



AFTER



TAKE YOUR PICK



# STUDENT BODY



## ADMINISTRATION



WARD FOSTER

Ward Foster, president of the Associated Student Body, is a well-rounded man, one whom we can be proud to have at the head of our student organization. He leads the list in the fields of writing, dramatics, oratory and debate. Ward is the second man in six years to be elected to the office of president who has not established a reputation as athlete. He is our traveling representative, for in the past two years he covered 11,000 miles, carrying Tech's fame to many colleges and universities in the Northern and Eastern part of the country.

The enthusiasm which marked his election has not evaporated into thin air, but has grown and maintained the spirit of the student body at a high level. Ward's personality and ability, which swept him into office by a very large majority, aided him in his efforts to obtain support for all activities on a scale never before realized.

The contract between the student body and the football team, originated and put across by Ward, was the medium of getting 200 Tech rooters out to see the varsity beat the Bulldogs at Redlands. The entire year was marked by a phenomenal increase in the support rendered to all the teams and activities. The success which has attended his efforts, has shown that the faith of the student body in him has not been misplaced. Ward Foster will leave behind him an enviable record of co-operation and spirit which will be hard to beat in future years.

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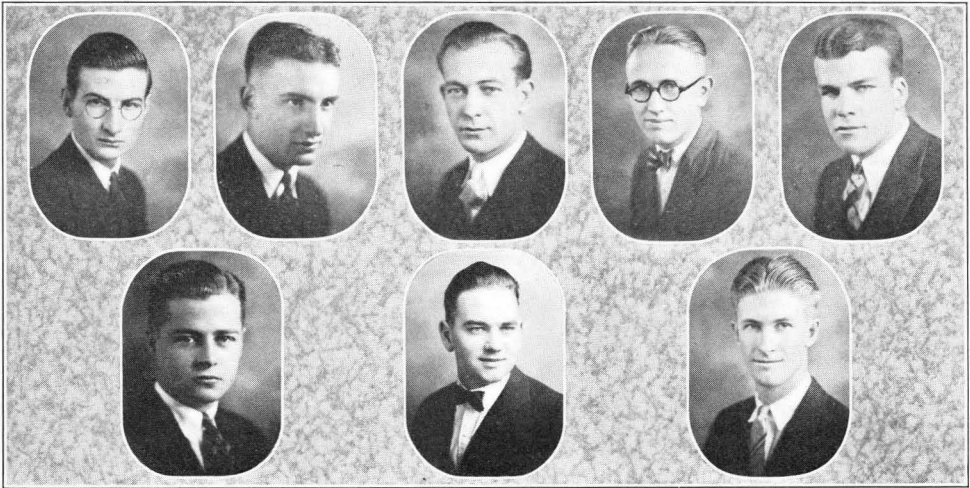
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The BIG T of '27

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ROSS
MESERVE
FOSTER
FARRAR
CHILBERG  
RODGERS

GOTTIER

EVANS

### EXECUTIVE COMMITTEE

WARD D. FOSTER - - - President	ROBERT T. ROSS - Publicity Manager
V. WAYNE RODGERS - Vice-Pres.	FRANK P. MESERVE - Athletic Mgr.
HARRY K. FARRAR - - - Secretary	GUY L. CHILBERG - Repres. at Large
THOMAS GOTTIER - - - Treasurer	THOMAS H. EVANS - Repres. at Large

The Executive Committee, or the "Ex Committee" as it is popularly known on the campus, is in reality the mainspring of our student government. The personnel of the Ex Committee is so constituted as to be a representative group of the student body.

A statement of the scope of the Executive Committee will perhaps best show just how it functions. They determine the policies of the student body. The athletic, debate and other awards are passed upon by the Ex Committee. Another duty is that of certifying the bills of the student body.

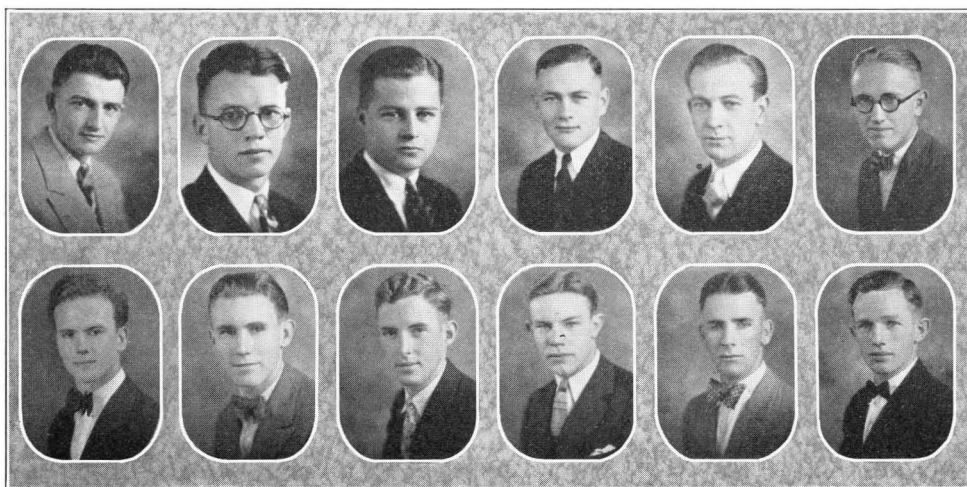
The committee works so smoothly and efficiently that the majority of the student body is unaware of the work it is doing. A successful administration can only be experienced when the Ex Committee and the president harmonize in thought and action. The position which the committee occupies in relation to our student affairs makes it absolutely necessary for the student body to exercise great care in the selection of the men to serve on the committee.

Heretofore the treasurer of the Associated Student Body has been elected at the beginning of the third term so that he might gain experience under the old treasurer. This year the constitution was changed to allow for the election of the Editors and Managers of the "California Tech" and the "Big T" so that they might also gain information and experience from the men in office.

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The BIG T of '27

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EVANS, CASE, RODGERS, NICKELL, FOSTER, FARRAR  
ALLEN, WHEELER, DOWNS, ROBINSON, BRADLEY, KINGMAN

BOARD OF CONTROL

<i>Seniors</i>	/ /	Wayne Rodgers, Chairman, Ward Foster (ex-officio) Charles Bradley, Frank Nickell, John Case
<i>Juniors</i>	/ /	Kenneth Robinson, Douglas Kingman, Robley Evans
<i>Sophomores</i>	/ / / /	Roscoe Downs, Fred Wheeler
<i>Freshman</i>	/ / / / / /	Horace Allen

BOARD OF CONTROL

The personnel of the Board of Control includes the Associated Student Body President as an ex-officio member, together with three men elected from the senior class, three from the junior, two from the sophomore and one from the freshman. The Vice-President and Secretary of the Student Body preside over the meetings and record the business transacted but they do not have a vote. This membership gives the whole college a representation on the Board, but puts a premium on experience in the college traditions.

The Board of Control has devoted a great deal of effort this year upon the freshman rules. The result is a more complete and definite set of traditions which will greatly improve underclass relationships. The Board of Control retains direct supervision of the Honor System, the most important of Tech traditions. It turns the other traditions over to the Court of Traditions, a subsidiary committee. The extent of the Honor System is shown by the fact that when necessary the regular examinations are allowed to be taken at home, sometimes with the understanding that the first half is to be written without books and the latter with. The maintenance of a candy counter without an attendant also demonstrates the remarkable efficiency of the Honor System. Even more valuable than the convenience, is the moral influence of the system as a builder of character.



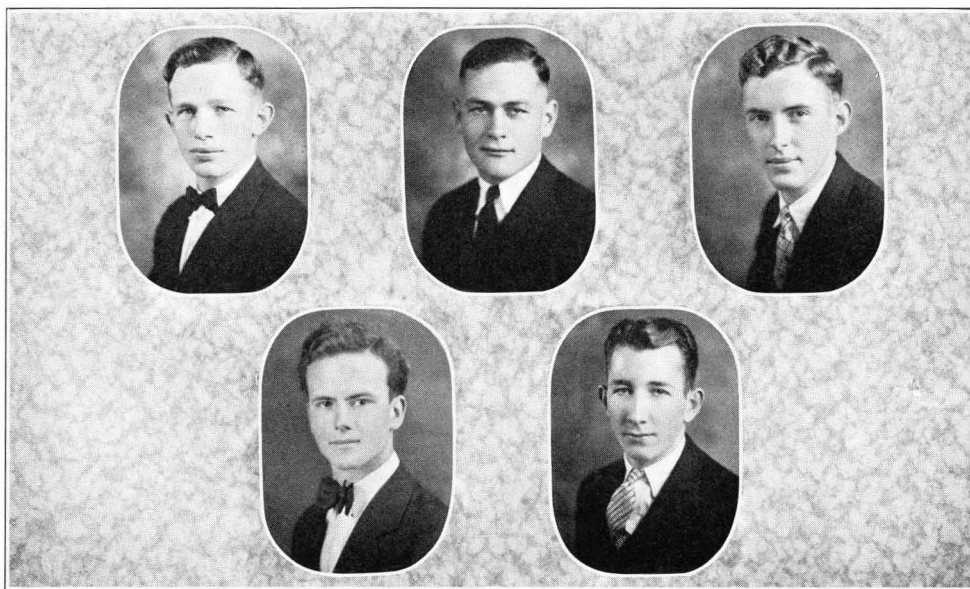
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The BIG T of '27

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KINGMAN

ALLEN

NICKELL

SCOTT

DOWNNS

### COURT OF TRADITIONS

The Court of Traditions is a committee subordinate to the Board of Control. It is composed of a Senior Judge, a Junior Judge and Clerk, a Sophomore Judge, a Sophomore Prosecutor, and a Freshman Representative, making five members in all. The Senior Judge is appointed from the three elected senior members of the Board of Control. The four classes are represented on the Court of Traditions, thus a square deal is given as far as possible, to both the freshman and sophomore organizations. In past years, the rules governing the actions of the freshmen were enforced immediately after registration in the fall, and continued in force until late in the third term. The length of time over which these traditions were enforced has in recent years caused a great deal of discussion. This year a new plan was introduced, and the Court of Traditions was relieved of its responsibilities of enforcing the freshman rules two weeks before the end of the second term.

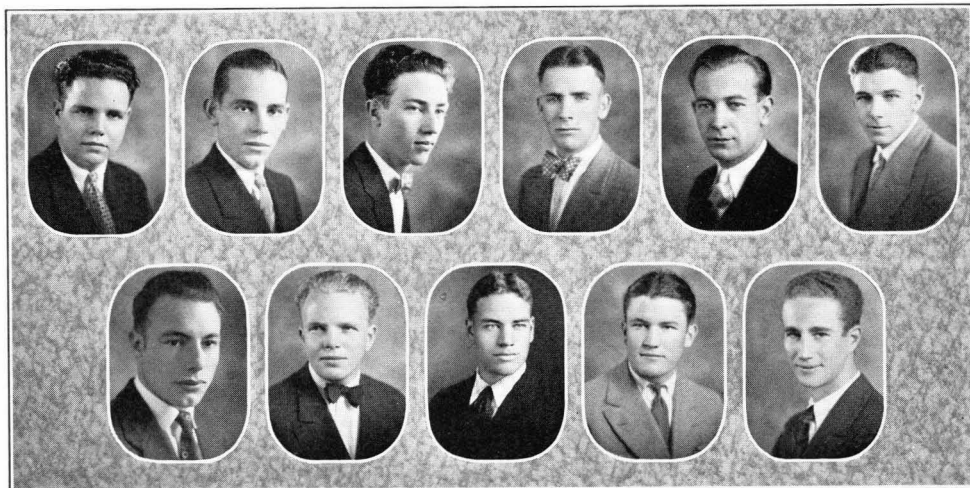
The general traditions of the college, particularly those with reference to the freshmen, are enforced by the Court. Needless to say, the Court, with its representatives on the campus, is the bane, or perhaps the spice, of a freshman's existence. Its members interpret the rules, try cases of infringement, and mete out the punishment to those men who are found guilty.

Aside from the beneficial effects which the enforcement of a few traditions exerts upon the freshmen, the punishments when carried out are often exceedingly entertaining to the student body. At other times, the offending freshmen are made to perform tasks around the campus that will improve its general appearance.

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## The BIG T of '27

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EWING                      ROSS                      REYNOLDS                      BRADLEY                      FOSTER                      WIEGAND  
SCHULTZ                      BERRY                      ST. CLAIR                      SCULLIN                      MILLER

### THE THROOPERS

The Throopers Club was formed two years ago for the purpose of planning and conducting programs for rallies and assemblies, extending the courtesies of the Institute to visitors, and for looking after student body affairs generally. This year, the Throopers have shown, by the good work they have done, that they have amply fulfilled their purpose. Each member worked hard and did his best for Tech, and deserves the unstinted praise of the student body.

This year, the outstanding achievements of the Throopers have been the Oxy rally, the Tech radio program, and the securing of transportation for the student body to all our visiting games. The Oxy rally was as big a success as was the football game the next day, when the Beaver took the Tiger into camp. The frosh provided the biggest bonfire that ever illuminated an Oxy rally, which was followed by a peppy pajamerino through the streets of Pasadena. Tech night, in Desmond's radio contest, was featured by a good snappy program, arranged and put on by the Throopers. A rally for the Branch game was held at the same time in the Dugout, where the radio program was being received. Also, the Throopers arranged for bus transportation to the four visiting football games, so that the rooters could go in a body. This resulted in excellent student body attendance at these games, and the success of our football season can partly be laid to this support. Besides this, the Throopers have put on several smokers and mixers in the Dugout, in conjunction with the Tech Y. M. C. A. The programs presented were as excellent as the cider and doughnuts which were served.

## COMMITTEES



### EXHIBIT DAY COMMITTEE

Frank P. Meserve, Jr., chair- man	W. Layton Stanton
William W. Aultman	Charles A. Bradley, Jr.
George E. Moore	William A. Minkler
	F. Sherman Hale

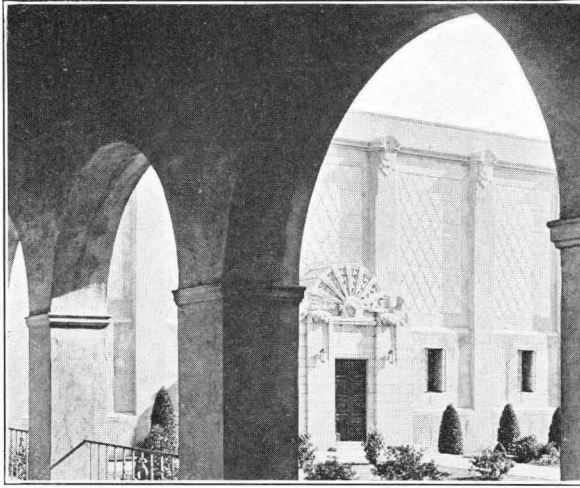
### DUGOUT COMMITTEE

Kenneth H. Robinson	Fred W. Bewley	Kenneth A. Belknap
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### ELECTION COMMITTEE

John G. Case	Fred W. Bewley
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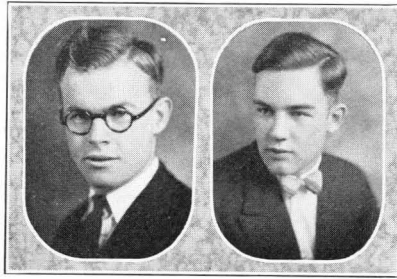


## ACTIVITIES

## PUBLICATIONS

### THE CALIFORNIA TECH

HEILBRON



FOLSOM

The California Tech, under the leadership of Robert Heilbron, has progressed steadily forward this year. At the start of the school year it was announced that the Tech would come out twice a week as a four-page paper, instead of once a week as was the policy last year. This new schedule has been faithfully adhered to, and in addition the Tech has frequently appeared as a six-page paper rather than the promised four-page affair. It is the hope of the editor that it will be possible, through natural growth, to put out a six-page paper twice a week during the next college year.

Many special editions have been put out during the year. The first to make its appearance was the edition which was distributed at the football banquet. This edition surpassed all former editions of this kind in that it was all football and did not contain any material that was merely to fill space.

Other special editions for the year were: The Press Club Edition, which was put out by the Press Club as the peak of attainment in the journalistic line; The Hot Rivet, published by the Press Club initiates; the Sophomore Edition, put out by a staff composed entirely of sophomores; the Junior Edition, put out similarly by a staff of juniors; the Senior Edition; and biggest of all, the souvenir edition put out on exhibit day to extoll the glories of the Institute to the visiting multitudes.

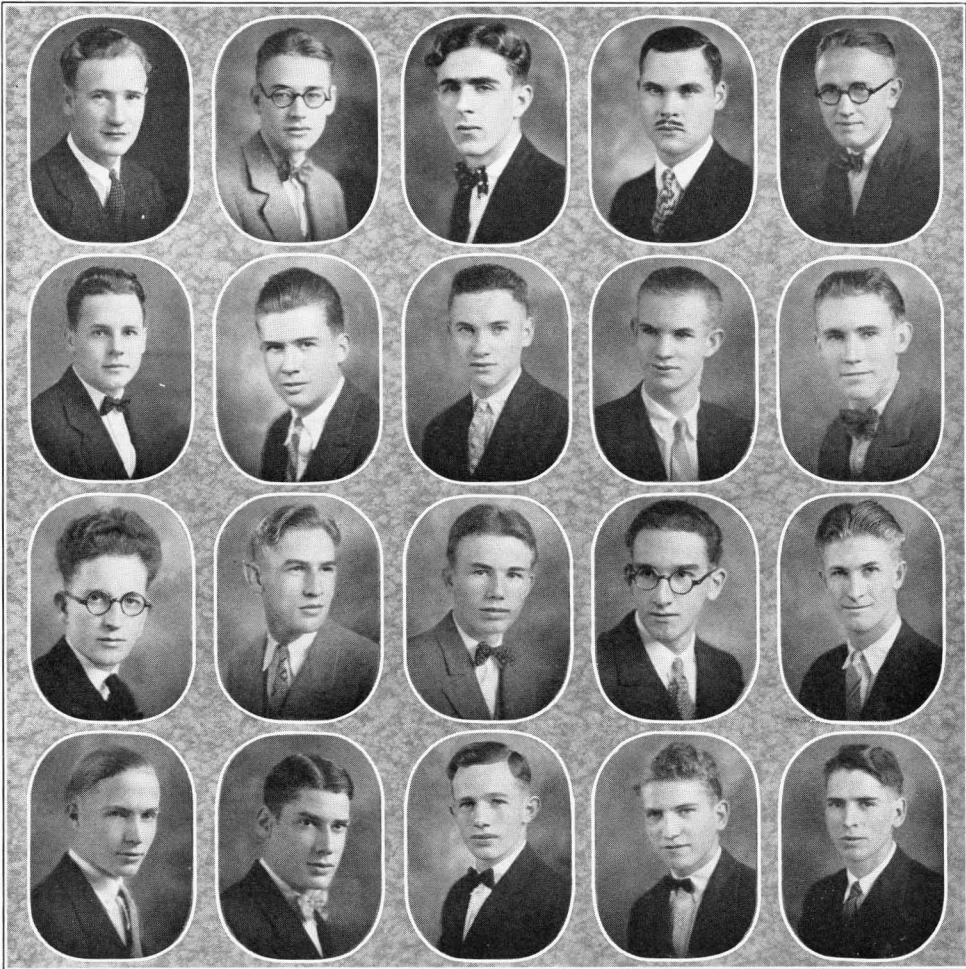
The Tech this year has been characterized by its fine appearance and the high class of the articles appearing in it. This has been due in no small degree to the work of Professor MacMinn's journalism class which practically all of the staff members attended. A constructive criticism of the Tech each week did much to bring about an improvement in the quality of the paper.

The business end of the paper was ably handled by Richard Folsom and his assistants. Folsom was always able and willing to secure the amount of advertising necessary to preserve the desired balance between the number of inches devoted to news and the number devoted to advertising. Whenever a six-page edition came out which necessitated more than the customary amount of material Heilbron merely had to tell Folsom and he knew that the required amount would be in.

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The BIG T of '27

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STAFF

EDITORIAL

HASEROT  
ELLIS

VON BEROLDINGEN

MARSLAND  
LANGSNER

MAXSON  
MCMILLAN

FARRAR  
WHEELER

REPORTORIAL

BURKE  
SECHLER

TAYLOR  
HULL  
JOUJON-ROCHE

MINKLER  
D. KINGMAN

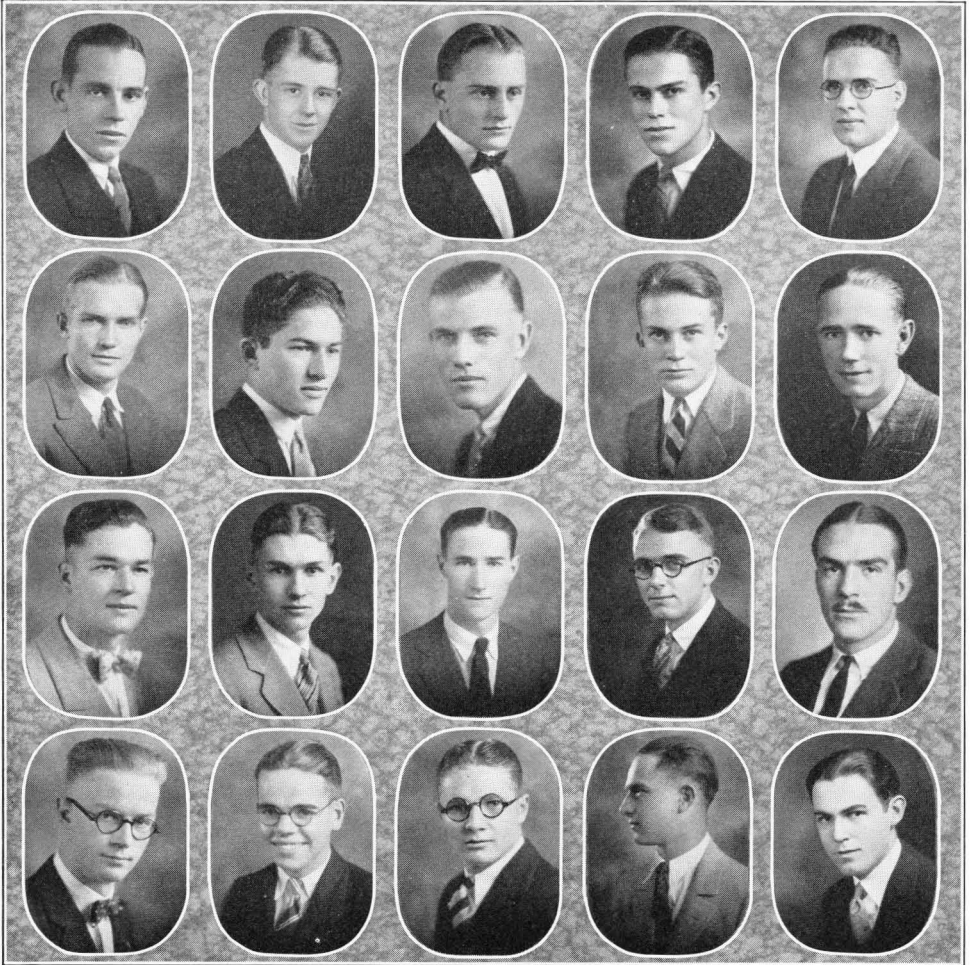
TUTTLE  
GRANT

EVANS  
BELKNAP

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The BIG T of '27

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STAFF

SPORT

ROSS  
TUCKER

TUTSCHULTE  
BERMAN

BODE  
CUTLER

ALLEN  
STURGESS

BAXTER  
HILLMAN

BUSINESS

GRAMATKY  
ROBINSON

McCOMB  
HACKER

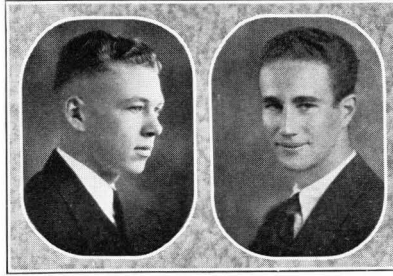
BOYD  
GILBERT

THOMPSON  
GUBSER

GILMORE  
LILLY

## THE BIG T

COMBS



MILLER

The "Big T" as the annual record of student activities at the California Institute of Technology, has developed from a small monthly publication, "The Polytechnic," to its present size of about two hundred and seventy pages.

"The Polytechnic," as a monthly publication was mainly a collection of literary efforts, and contained little or no news. It first made its appearance in 1896, and as a leaflet of about twenty pages continued until 1911. The "Throop Tech" came into existence in February 1913 as a quarterly publication of similar nature. The final or graduation edition of each year grew in size until it was found advisable to make it the only issue of the year.

The first real annual was published in 1919 by a self-appointed staff of editors. Since that time the annual has been accepted as an official student-body publication with manager and editor elected during the preceding year. In 1919 this annual was called the "Orange and White" and in the following year the name of Throop College of Technology was changed to the California Institute of Technology, with a consequent change of the title of the annual to the "Big T."

Much might be written of the difficulties of publishing the "Big T." Paramount, however, is the matter of raising sufficient money to allow the annual to be self-supporting without charging an exorbitant price for individual copies. In endeavoring to keep the standard of quality that is maintained by surrounding colleges, it must necessarily use a great many engravings and the best of workmanship. With a circulation of less than five hundred copies the cost of each book is considerable. In each copy of this edition the pro-rated cost of engraving was about two dollars. If it were possible to increase the circulation to a thousand it would be one dollar. The manager must, therefore, secure more advertising to decrease the individual cost.

It is the editor's duty to see that the publication shall be all-inclusive and that it be a memento which every student can be proud to possess for the rest of his life. To this end it is necessary to obtain artistic photographs and original, correct articles.

The publication of the annual before the completion of the college year necessitates the leaving out of a part of the year's activities. For this reason, the results of the awarding of honor keys and the final standing of Tech teams in swimming and baseball can only be approximated.

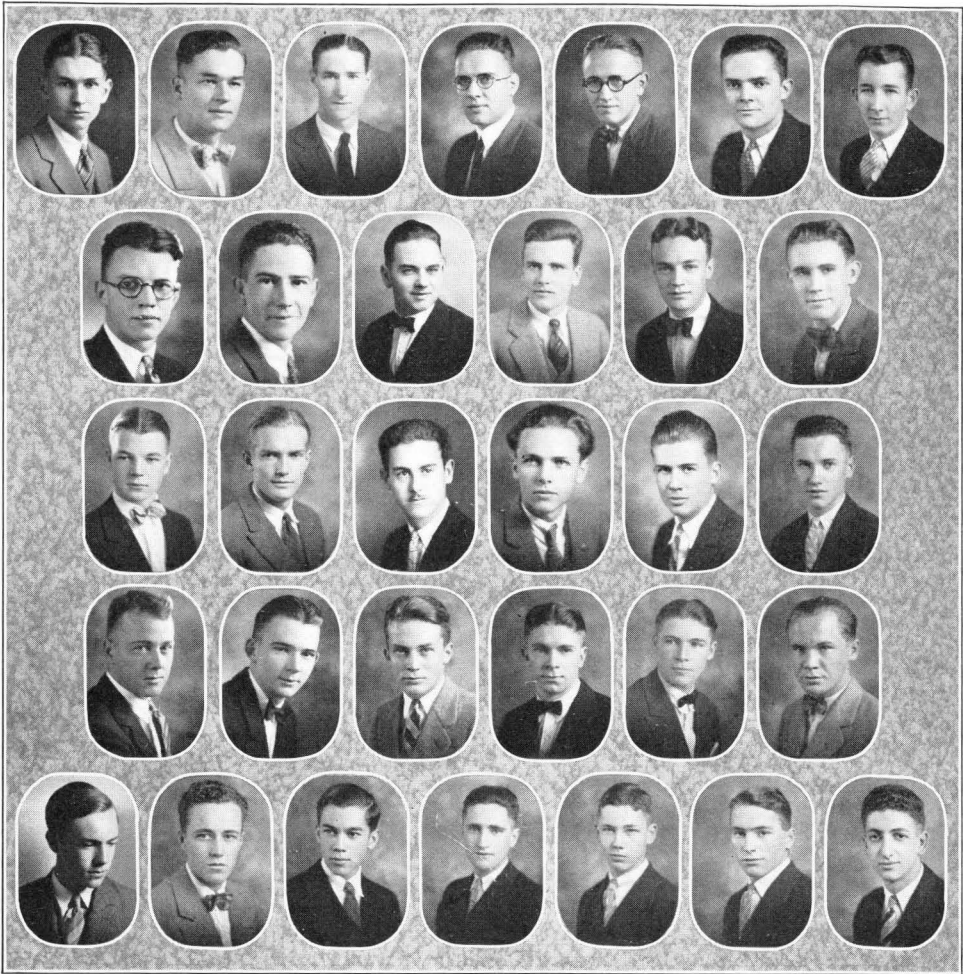


# The BIG T of '27



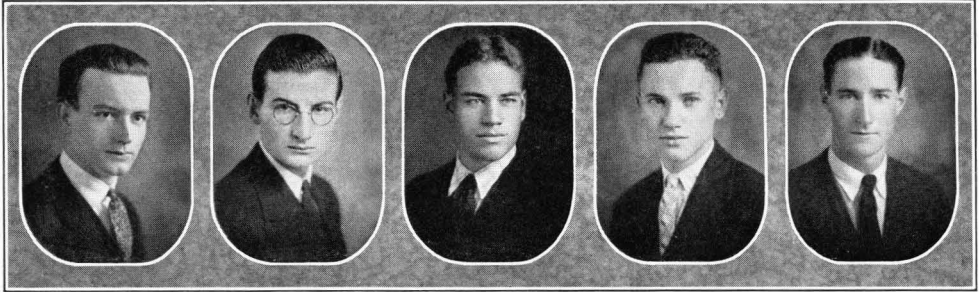
AULTMAN Activities editor	BURKE Greeks editor	REYNOLDS Classes editor	MUNKLER Athletics editor	R. ROSS Organizations editor	BELKNAP Administration editor	THOMPSON Photo editor
PETERSON Editorial	HASEROT Associate editor	RODGERS The Institute editor	L. ROSS Portfolio editor	WIEGAND Humor editor	NAGASHI Snapshot editor	
SHUSTER Student Body	ST. CLAIR The Year editor	MESERVE Athletics	LOVE Art	GILMORE Circulation	GRANT Activities	
JOUJON-ROCHE Art	MOHR Humor	T. ROBINSON The Year	HULL Organizations	D. KINGMAN Advertising	K. KINGMAN Advertising	
LIEDHOLM The Institute	I. BERMAN Photos	KRELLE The Year	GREEN Athletics	STILLWELL General	FOLSOM Advertising	HACKER Managing staff

# The BIG T of '27



McCOMB Managing staff	GRAMATKY Art and Adver- tising	BOYD Activities	BAXTER Portfolio	FARRAR Organizations	COLLINS Advertising	SCOTT Managing staff
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PUBLICITY STAFF



AULTMAN

ROSS

ST. CLAIR

LANGSNER

BOYD

The work of the publicity staff of the Associated Student Body of the Institute consists in enlightening the world in regard to the activities of the students of California Tech. Their work does not include any of the publicity accorded the administration or faculty of the Institute, there being sufficient news concerning the undergraduate body to keep the personnel busy throughout the year. Not only was the city of Pasadena informed of our activity through the medium of the local papers, but all Southern California knew of Cal-Tech doings because of news articles in the Los Angeles dailies and in other publications in the Southland.

Did you know that—

The publicity accorded the annual Frosh-Soph tilt resulted in a considerable audience attending the fracas?

The athletic prowess of the teams representing Tech became the talk of the state through desirable publicity?

Patrons of our inter-collegiate contests were drawn from the general public to a greater extent than ever before?

The bonfire rally did not surprise any of the natives of Pasadena because they all heard about it in advance?

Dramatic productions at Tech received the same attention as is paid the most prominent theatres resulting in widely heralded acclaim?

The Glee Club, professional societies, orchestra, band, and the fraternities have this year received more publicity in the newspapers than ever before at Tech?

## FORENSICS

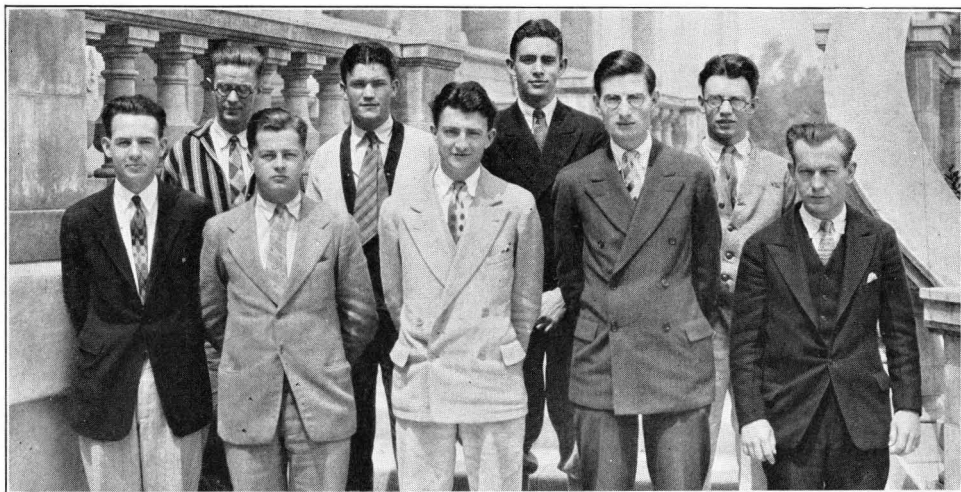
### DEBATE

The debating work for the forensic season of 1926-27 was quite satisfactory from the forensic point of view. Considerable interest was shown in debating and a goodly number took an active part in the work. From the point of view of debates won and lost the season was not as desirable as it might have been as all of the debates were not victories. This, however, could hardly be hoped for and the results which were attained were nothing to be ashamed of.

A new departure was made from the method of deciding the debates this year over the methods which were used in previous years. Formerly it was possible to have no-decision debates, but this year the system of having three judges decide upon the debates eliminated the possibility of a tie and one school or the other had to win.

Tech is not a place where much interest is manifested in public speaking, most interest being centered on technical and scientific studies, although those subjects known as the humanities do come in for their share of attention. Unfortunately, from a forensic point of view, public speaking does not get much attention and consequently Tech is likely to suffer in competition with colleges which do put some emphasis upon this subject. The fact that Tech does as well as it does in the forensic field bespeaks the high ability of its representatives in this activity. Great credit is due these men for the time and effort which they have expended. Particular credit is due Mr. Untereiner who, as coach, has done much to aid Tech's representatives in their various forensic affairs.

At the provincial convention of Pi Kappa Delta, the national honorary forensic fraternity, Tech's representatives participated in a round of debates with the other colleges represented and broke even, winning and losing an equal number. In these contests the judging was done by one expert judge who in this case was Professor



Varsity Debate Team

Lyon of the University of South Dakota. Each college entered two teams, one to uphold the affirmative and the other the negative side of the question, Resolved: that there should be a federal board of education with a secretary on the President's cabinet.

About half of those who took part in debates this year were seniors and due to their graduation this June there seems to be sufficient opportunity for the members of the other classes to show what they can do next year. Those lower-classmen who have been doing work in debating this past year should have gathered sufficient experience to enable them to do big things in the forensic field next year and Tech ought to go far in its debates.

### SCHEDULE OF DEBATES

The proposition for debate during the conference season was, Resolved: that the eighteenth amendment of the Constitution of the United States should be repealed. The debate dates and decisions are:

February 17—La Verne aff. forfeited to Tech neg.

February 22—Robley Evans and Robert Ross aff. won from Whittier neg.

February 24—Robley Evans and Robert Ross aff. lost to Southwestern neg.

March 3—Ward Foster and Edward Gilmore neg. won from Loyola aff.

March 10—Robley Evans and Robert Ross aff. lost to Pomona neg.

March 10—Ward Foster and Edward Gilmore neg. lost to Redlands aff.

March 21—Fred Bewley and Wallace McMillan aff. lost to Linfield neg.

On March 17 Wayne Rodgers and John Case lost to Willamette University on the proposition, Resolved: that the foreign nations should immediately relinquish all control in China excepting that usually exercised by consulates and legations.

At the Pi Kappa Delta Provincial Convention the question was, Resolved: that there should be a federal board of education with a secretary on the President's cabinet. The results of the debates are:

April 1—True Robinson and Conrad Scullin neg. lost to Redlands aff. Occidental neg. defaulted to Tech aff.

April 2—True Robinson and Conrad Scullin neg. lost to College of the Pacific aff

Wayne Rodgers and Edward Gilmore aff. won from U. C. L. A. neg.

Tech met Stanford April 20 in a no-decision debate upon the proposition, Resolved: that newspaper reporters should be barred from courtrooms during trials. Ross and Foster made the trip to Stanford, accompanied by coach Untereiner.

### EXTEMPORANEOUS SPEAKING

The Southern California Extemporaneous Speaking Contest was held at Tech about the middle of the first term. The six contestants in this spoke upon some phase of "The Present Situation in Mexico."

Tech was very ably represented in this contest by Robert Ross. It was only by a very slight margin that Ross lost second place to Arthur White of U. C. L. A. Ross made such an extremely forceful and entirely extemporaneous talk on "The Religious Situation in Mexico" that the general opinion of the audience, other than that of the judges, was in his favor for the top place.

In the extempore contest held at the Provincial Convention of Pi Kappa Delta, Ross took second place. Mr. Watson of Redlands received the coveted first place. In this contest Ross spoke upon the influence of commercialism upon American art.

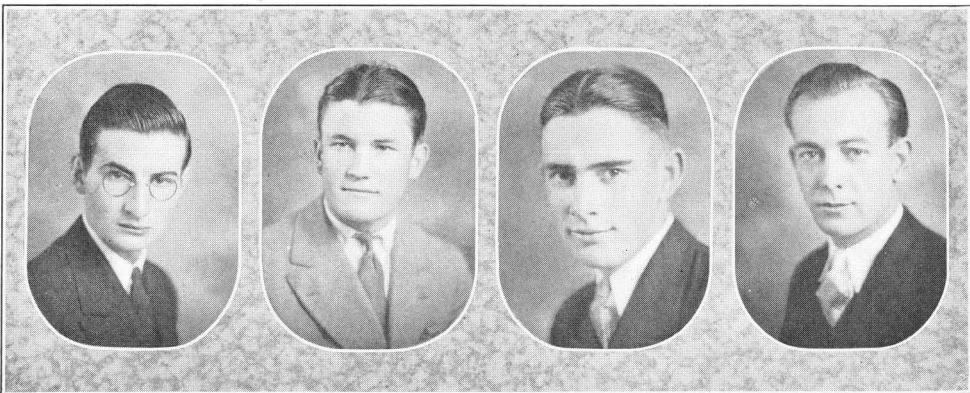
Since Robert Ross is graduating this June his loss to the forensic squad will be deeply felt. It is very fortunate that Tech has a very strong group of under-classmen upon whom they can depend for next year.

### ORATORY

Ward Foster represented Tech in the oratorical contest which was held during the Pi Kappa Delta convention and took first place. He delivered an oration entitled "Wings of Power" which was the same one with which he won the conference championship a year ago.

On April 21 the Old Line Oratorical Contest was held at Pomona.

The one oratorical contest open to all students is the Conger Peace Prize in which an award is made for the composition and delivery in public of the best essay on some subject related to the peace of the world. Last year Foster won this prize, a gift of \$100, against a field of three very good orators. This year the contest was held on May 16th and was won by Fred Bewley.



ROSS

SCULLIN

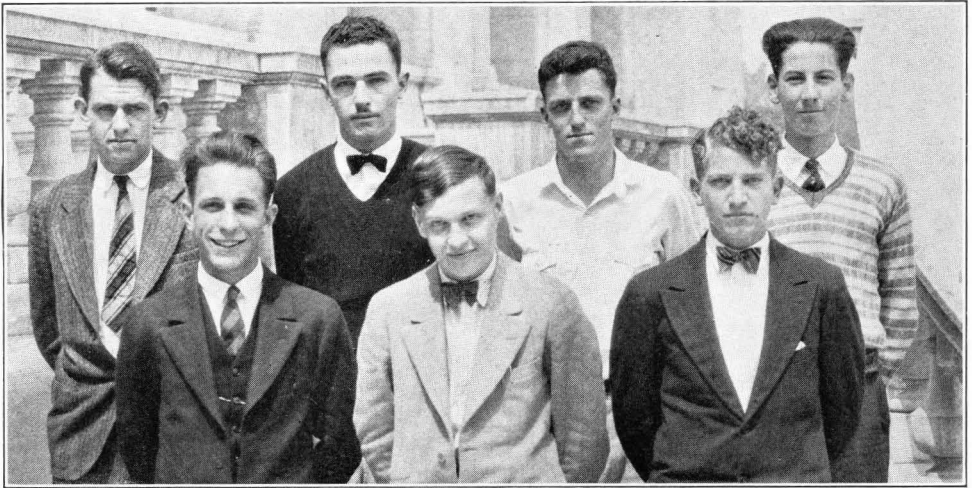
BEWLEY

FOSTER

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The BIG T of '27

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HUBBARD

ZIPSER

WERN

HUMPHREYS

WILMOT

GRANT

CROMLEY

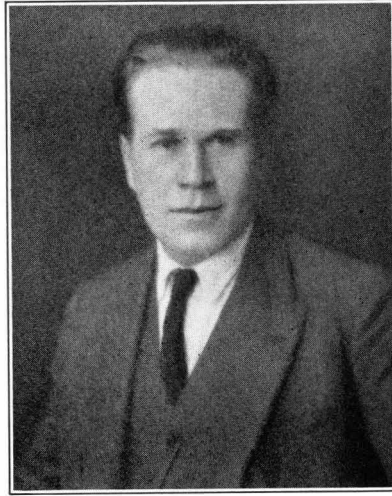
The debate team representing the class of 1930, under the capable tutelage of Ward Foster and Robert Ross, met with unusual success in their debates this year. The proposition chosen for the series of contests proved to be a very interesting one, namely, Resolved: that the initiative and referendum laws of the State of California should be abolished. Under the efficient management of Donald Grant, the freshman squad made several appearances, the two most important of which resulted in victories for Tech over the Southern California freshman team.

The first debate of the year was held on the afternoon of April sixth at the University of Southern California. Wendell Humphreys and Andrew Wern were the Tech representatives who successfully upheld the negative side of the question on this occasion. A return debate was held the following afternoon in Culbertson Hall in which Sidney Zipser and Donald Grant succeeded in repulsing the attacks of the negative team from Southern California and added an affirmative victory to the Tech list. This debate was held before the Institute Women's Club, and was greatly appreciated by the Club members.

The Tech teams displayed throughout the season an argumentative ability and impressive presentation worthy of men of much wider experience, and are to be congratulated upon their splendid showing. The recent successes, however, are of greatest importance when considered as indicating the strength of future varsity squads, for it cannot be doubted that these men will assist materially in furthering Tech's varsity forensic work in years to come.

The freshman debaters consider themselves very fortunate to have had such seasoned and excellent debaters as Ross and Foster acting as coaches and advisors and it is felt that the timely aid and efficient direction of these men played no small part in the many successes which have been attained during the year just completed.

## DRAMATICS



GILMOR BROWN

The 1927 dramatic season at Tech was without a doubt the most successful in the history of the Institute. Not only was the quality of presentation far superior to that of previous years, but there were actually more performances given. In addition to the regular performances of the Pi Kappa Delta presentation of Aristophanes' "Plutus," a special offering of this Greek comedy was made for the annual meeting of the California Institute Associates. Then, too, there were the two evenings of one-act plays presented by the Dramatic Club. And the stimulus furnished by the activity of the leading forensic and dramatic organizations was sufficient to encourage other societies, notably Tau Beta Pi and the Big T staff, to attempt more than had ever been done before in dramatic work.

The "Plutus" of Aristophanes was presented under the auspices of Pi Kappa Delta, forensic fraternity, and under the direction of Gilmore Brown, our celebrated director of public speaking and dramatics. On November 30 and December 1, 1926, the public performances of this Greek "comedy of Wealth" were given, marking the fourth annual Greek play to have been presented by men of the Institute, and singularly, being the very first production of any of the plays of Aristophanes in Southern California. The special repetition of "Plutus" on March 8, 1927 was no less successful than the original production in spite of changes in some of the leading roles.

Three one-act plays, "Brothers," "In the Zone," and "Action," were offered to the public on March 4 and 5 by the Dramatic Club, being the third of the Club's performances in the past three years.



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The BIG T of '27

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SCENE FROM "PLUTUS"

Of the Dramatic Club plays "Brothers," by Lewis Beach, was a serious treatment of two more or less humorous characters—rough, common, crude men of the open spaces, brothers in blood, but rivals antagonistic in all else. "In the Zone," by Eugene O'Neill, also of a serious vein, was a melodramatic study of an incident in the lives of seamen on board a ship carrying munitions during the first years of the World War. The comedy relief for the evening was furnished by the third play, "Action," by Holland Hudson. This comedy, being of farcical nature, drew many laughs from the audience and was especially enjoyed when the play ended with the figures of eight dead men draped on the stage.

The staff for these plays consisted of:

Director     /     /     /     Gilmor Brown	Publicity Manager   L. von Beroldingen
Assistant     /     /     /     Maurice Wells	Assistant     /     /     /     Edwin McMillan
General Manager   /     William Aultman	Electrician   /     /     /     George Kaneko
Stage Manager   /     /     Andrew Wern	Assistant     /     /     /     Paul Ely
Assistant     /     /     /     Kenneth Miles	Properties     /     /     /     William Morton



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A TENSE MOMENT IN "ACTION"

The casts of the Dramatic Club plays were:

**BROTHERS**

by Lewis Beach

Seth     /     /     /     Frederick Bewley  
 Lon     /     /     /     John Daly  
 Pa     /     /     /     Wakefield Byrkit

**IN THE ZONE**

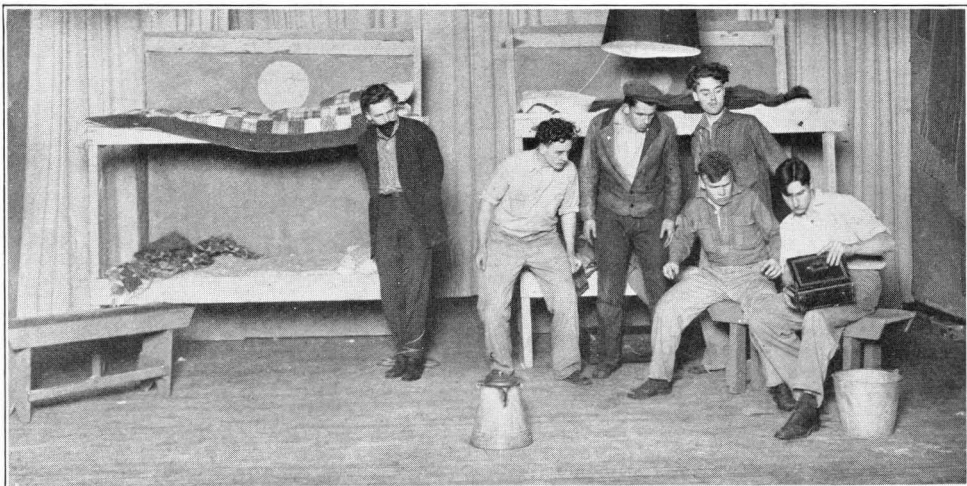
by Eugene O'Neill

Smitty   /     /     /     Bennett Preble  
 Davis   /     /     /     Russell Love  
 Swanson /     /     /     Walter Cruzan  
 Scotty   /     /     /     William Aultman  
 Ivan     /     /     /     John Case  
 Jack     /     /     /     Walton Hubbard  
 Driscoll /     /     /     James Boyd  
 Cocky   /     /     /     Anthony Schuck

**ACTION**

by Holland Hudson

Stage Manager /     /     Kenneth Robinson  
 Rowdy     /     /     Wendell Humphreys  
 Friendly Voice /     /     Kenneth Miles  
 Samuel Max   /     /     Robert Ross  
 George Max   /     /     Maxwell Burke  
 First Burglar /     /     Davis Shuster  
 Second Burglar /     /     Lloyd West  
 First Bootlegger /     /     Frey Hamburger  
 Second Bootlegger /     /     John Thatcher  
 First Dry Agent /     /     True Robinson  
 Second Dry Agent /     /     Walter Cruzan  
 First Patrolman /     /     Robert Stroud  
 Second Patrolman /     /     Sidney Zipser

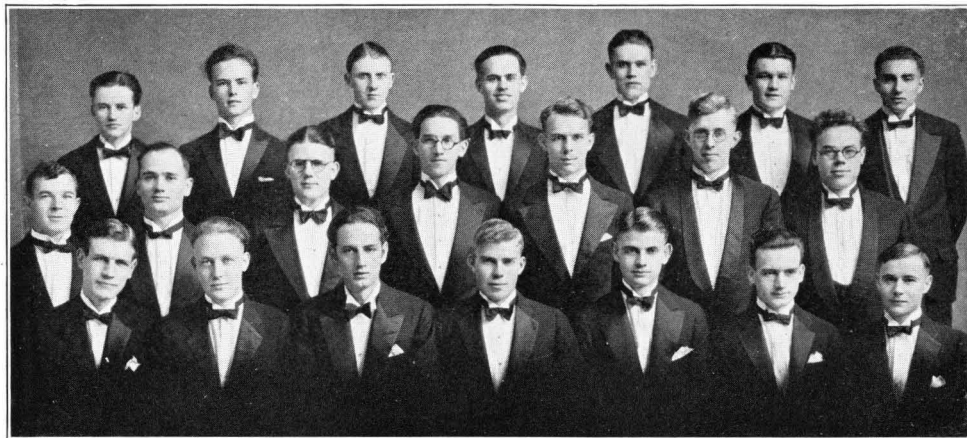


A SCENE FROM "IN THE ZONE"



## MUSIC

### GLEE CLUB



CRAWFORD, ALLEN, WEST, DICKINSON, McFADDIN, SCULLIN, SPRINGSHOLZ  
HAMBURGER, JOHNSON, LONG, TUTTLE, JOHNSON, ELY, SUTHERLAND  
STARKE, WELLS, MESENKOP, OLSEN, FORSTER, AULTMAN, SNYDER

The Tech Glee Club has just completed one of its most successful and busiest years—successful in many more ways than one, and busy all the time. Financially, the season has been gratifying to say the least, and from the standpoint of real enjoyment nothing more could be wished unless it be that the Club make more appearances before the student body itself.

The beginning of the year found the director and manager of the Club nearly swamped with applications for admission to the exclusive circle of melody makers. So great was the demand that it was found necessary to hold try-outs for the various positions; so numerous were the applicants that even the old members were forced to display anew their vocal ability, and defend their supposedly impregnable positions. As a result of these tryouts the personnel of the Club underwent a rather extensive revision; four freshmen were admitted to the ranks, while several new members also dropped in from the upper classes. Unusual and unexpected strength was discovered in the all-important field of piano accompaniment, for three versatile men proved to be quite capable with their fingers as well as with the vocal chords.

As a mark of distinction, all members of the organization are awarded very attractive pins upon their entrance into the activities of the Club. Those who are fortunate enough to retain their membership for two seasons are awarded white sweaters, and these are indeed marks of distinction, for the steadily increasing number of applicants makes it more difficult year by year to hold a membership for a longer period than one season. This year but seven men were fortunate enough to receive the white sweater in recognition of their services. These men were: Starke, Forster, Snyder, Hamburger, Sutherland, Springsholz, and Dickinson. Some of these men have had more than two years' experience.

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## The BIG T of '27

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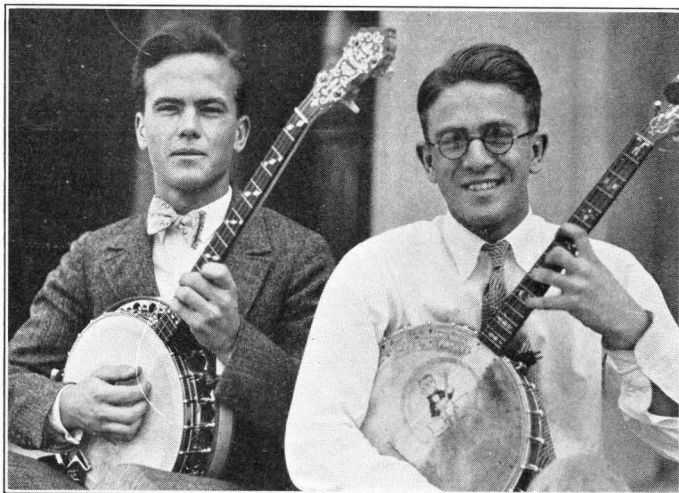
The Glee Club got off to an early season start on a heavy schedule by presenting an afternoon concert before the girls of the Broadoaks School. The selections were apparently very satisfactory and well received. At any rate the Club members were well received and delightfully entertained, along with a number of other Tech men, at an informal dance.

Somewhat later in the season an exchange program was negotiated with the combined glee clubs of Whittier College, and very pleasing numbers were presented by both organizations. Not long after this the Club made one of its periodic appearances over the radio, when the group of entertainers took part in the broadcasting of a program presented by Tech as the C. I. T. offering in the inter-collegiate competition for musical and entertaining supremacy of the Southern California conference.

At frequent intervals concerts were arranged and presented before the student bodies of various high schools in Southern California. These concerts are invaluable in spreading the name of the college, and aid greatly in establishing firm bonds between these schools and the Institute.

Another exchange of programs was arranged with Pomona College in April, and here again the Club demonstrated its worth as a body of entertainers. A third exchange program was held in May, this time with the Occidental College Girls' Glee Club. This latter event has now apparently become a permanent institution in the relations between the two colleges, and it is to be hoped that it will indeed become a regular occurrence. Several concerts were also given at Tech student assemblies which were heartily appreciated by the men of the Institute.

A large measure of the credit for the season's many successes belongs to Mr. W. W. Ogier, of the faculty of the Institute, because of his untiring efforts as director of the Club. Mr. Ogier is a graduate of Tech and therefore doubly interested in the work of the Glee Club. Mr. Ogier was very ably supported during the past year by the members of the Club, and especially the Club president, William Olsen, and the Club manager.



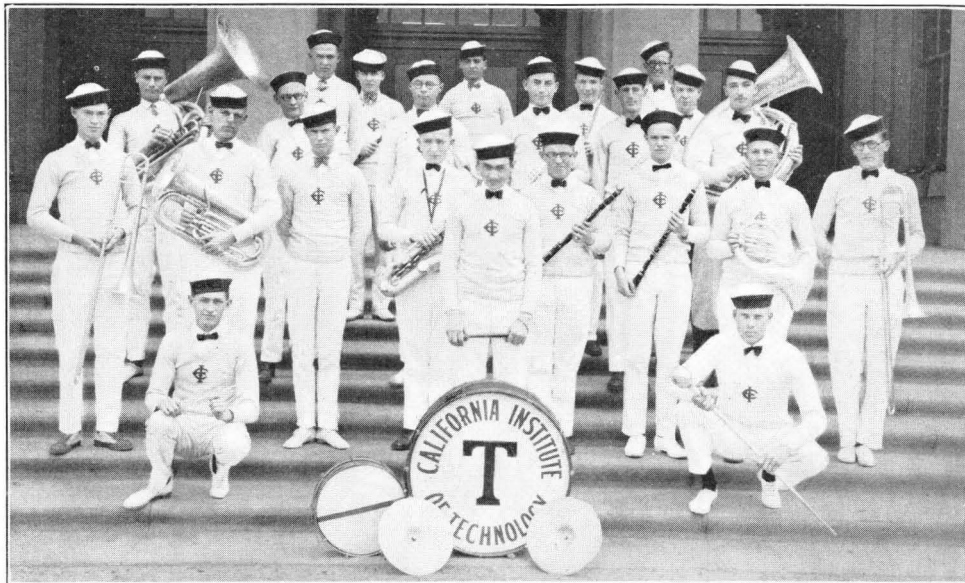
GLEE CLUB ENTERTAINERS

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# The BIG T of '27

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## BAND



*Front:* INGERSOLL, CORBIN, OLSEN  
*Rest, Left to Right:* ASQUITH, DOUGLASS, SHUSTER, ORELLI, TAYLOR,  
HUSTON, MINKLER, HOLMES, LORD, ALLISON, REINEN, GAYLORD, HAWES,  
GAZIN, CARBERRY, HEMMING, RIGGS, WERN, FINK, NASH.

Tech has always been able to point with pride to its band and this year has been no exception to the rule. In fact, Tech has even more reason to be proud of it than ever before, for it surely has shown itself up to a good advantage.

During the football season the band was at every game with some special stunt relating to the opposing college. Between halves the band put on a fancy drill, performed this special stunt—usually the formation of the opposition's initials—made a big, white T, and then returned to the bleachers to play some more. Thruout the game at every available opportunity the band rendered some musical number. As an accompaniment to the college songs they were indispensable. Without any exaggeration it can be said that the band far surpassed any other in the conference.

The military parades would not have been complete without the band. The splendid showing of the battalion, which has received distinguished rating for the last two years, was in no small part due to the support of the band. The men of the battalion just naturally couldn't help keeping in step and presenting a strict military appearance when the band played.

Tech was represented by the band at several public functions. Notable among these were the Tournament of Roses and the Armistice Day parade.

The members of the band under the able leader, Herbert Ingersoll, and their pompous drum major, Bill Olsen, showed from their excellent work that they had spent much time and thought on their drill and practice. They deserve great credit and praise for their work, and Tech is very proud to have such a fine representation in the musical line.

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The BIG T of '27

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PERSONNEL OF THE BAND

OFFICERS

HERBERT INGERSOLL, *director*  
WILLIAM OLSEN, *drum major*  
HAROLD HUSTON, *manager*  
HARLAN ASQUITH, *librarian*

INSTRUCTOR

Mr. Alexander Smith

CORNETS

Herbert Ingersoll    John Case  
John Crawford        Myron Eaton  
Eugene Riggs         Howard Holmes  
Clyde Shields         Christopher Orelli  
Louis Gazin            Vern Pearson  
Otto Reinen

CLARINETS

Gordon Minkler        Dean Carberry  
Thomas Edson         John Gaylord  
Ezra Hollister

BARITONES

William Olsen         Ralph Watson

TROMBONES

Harlan Asquith        Winton Hoch  
True Robinson

TUBAS

Matthew Triggs        Paul Douglass  
Andrew Wern

ALTOS

Davis Shuster         Kenneth Fink

PICCOLOS

Roland Hawes         Walton Hubbard

SAXOPHONE

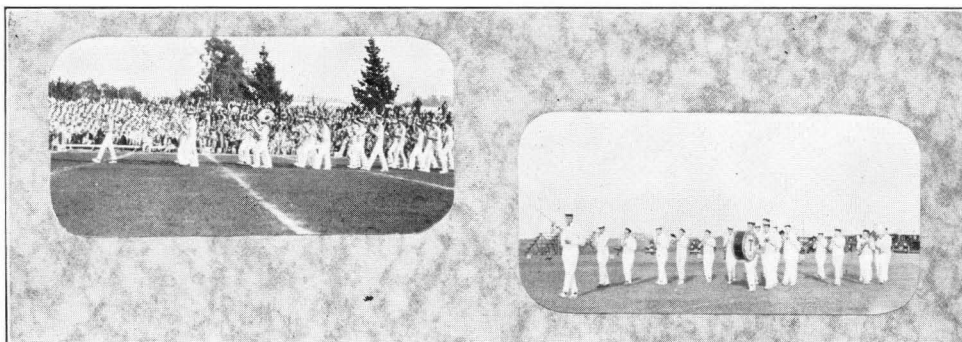
Frederick Schell      Schild Lufkin  
Lee Ralston            Robert Hemming  
Fred Wilson             Stanley Lord

DRUMS

Harold Huston         Harold Corbin  
George Taylor         Don Allison

FLUTE

Ludwig Donner



ORCHESTRA



*Left to Right:* SHUSTER, DAY, AULTMAN, THOMPSON, MESENKOP, EVERETT, ZAIKOWSKY, GATES, MERRILL, TAYLOR, S. W. LOHMAN, FOLADARE, K. E. LOHMAN, KIRCHER, BLAND, TODOROVITCH, STARKE, ASQUITH, R. BLAND, GAZIN, RIGGS.

For the first time in many years Tech has had an orchestra. This year saw the first genuine attempt for some time to organize an orchestra, and it is due largely to the efforts of Russell Thompson, who did a great deal of work of organization, that the present orchestra exists. The orchestra has been organized on a business basis, with a president, manager, and librarian. It is represented by practically all instruments, and is especially well represented in the bass section by four cellos, a trombone, and two bass viols. At the beginning of the year the orchestra was without a leader, but soon the Institute secured the services of Reginald Bland, a director of music in one of the Los Angeles high schools, for one afternoon each week. Mr. Bland is very well pleased with the work of the orchestra, and according to him the members have done extremely well, considering the amount of time spent for practice.

Both faculty and students have displayed great interest in the orchestra, as is shown by the response to the request for players. Six of the players are members of the faculty. Practice is held once a week, and enthusiasm for practice has been sustained at a high level thruout the year. There are a great many men at Tech who have musical ability, and who have played in orchestras before coming here. Heretofore, because of the pressure of their scholastic work, a great many of these men have been unable to continue with their music. When they are able to use their music ability without detracting from their studies, which the orchestra makes it possible for them to do, they are naturally eager to grasp the opportunity. The enthusiasm of the members can also be attributed to the fact that classical and semi-classical numbers are played with the intent to show that classical music can be as interesting as jazz. Judging by the manner in which the music of the orchestra has been received by the student body and by all others who have heard it, the attempt has been a decided success.

Two radio programs were presented by the orchestra, and three concerts were given in assembly. It is planned to extend the activities of the orchestra still further during the next season.



## ASSEMBLIES

The slogan for the past year seems to have been: "Bigger and Better Assemblies". The Friday assemblies were well attended, especially the first part of the year during the excitement of the football season. The Monday assembly programs were exceptionally good. The good work of the Institute authorities, the Throopers, the Y. M. C. A., and other worthy organizations and parties, was evident from the excellence of all the assemblies.

All during the football season, the Friday assemblies were the essence of pep. Led by Ward Foster, whose spirit was inspiring, the student body pledged itself to the support of the football team. The team had the backing for a conference championship and did wonderfully well, as witnessed by coming within one yard of bringing the banner to Tech. During these rallies the Throopers put on some bright, original little skits.

The musical programs presented during the year were very enjoyable and it is certain that everyone appreciated them exceedingly. The Persinger String Quartet and the Russian String Quartet were a great source of pleasure to all who were fortunate enough to hear them.

Dr. Millikan gave a wonderful series of three lectures which he had presented at Yale. The changes in religious conceptions due to scientific progress were clearly traced. Dr. Millikan provided a super-abundance of food for thought in these lectures, and everyone greatly appreciated them.

Dr. Lorentz was delightful in his usual way, and it is hoped that the grand old man will be here many more times. Dr. Sherer was very interesting, and his talk on "Dreams" gave everyone the hope that their own dreams may come true as his did.

Every assembly was a gem in itself which will not soon be forgotten.



ASSEMBLY ENTERTAINERS

HONOR KEY WINNERS



CLASS OF 1927

William W. Aultman  
James Boyd  
Theodore C. Combs  
Harry K. Farrar  
Ward D. Foster  
Thomas L. Gottier  
Robert F. Heilbron

Frank P. Meserve, Jr.  
Roland W. Reynolds  
V. Wayne Rodgers  
Leonard W. Ross  
Robert T. Ross  
Howard R. Starke  
Russell E. Thompson

CLASS OF 1928

Richard G. Folsom  
Gunner F. Gramatky

True W. Robinson  
J. Conrad Scullin

CLASS OF 1929

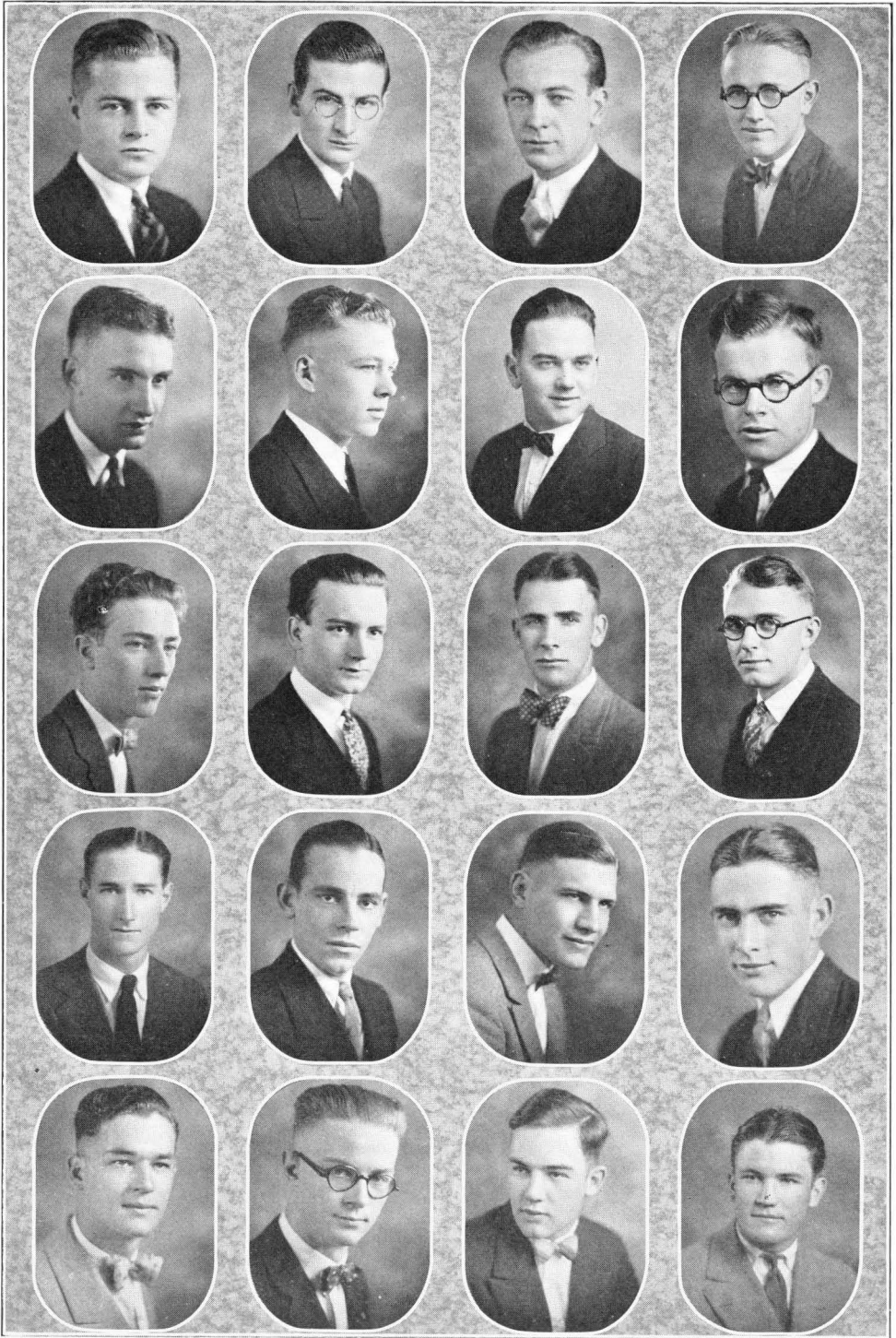
Frederick W. Bewley

NOTE: This list is complete only to date of printing and is subject to later alteration.

The Honor Point System is for the purpose of promoting participation by all students in student activities. Before this year Honor Keys were awarded to all men receiving twenty-four or more honor points in one year, the number of points given depending on the importance and extent of the activities participated in.

This year it was decided to amend the constitution to have a different system of awarding keys. Practically the same number of points were allowed to each activity as before and the honor point committee took the advice of the heads of each department as to the time spent and the ability of the individual in deciding the number of points actually given. Under the new system a man is eligible to receive a key if he receives forty honor points in two years or twenty-four points in one year. In order to make it a greater honor to receive a key it was also decided to limit the number of keys to five per cent of the student body. The main change in the awarding of the keys is that the Executive Committee is the final judge as to who is actually to receive them, for in case the number eligible to receive keys exceeds the allowable five percent some men must necessarily be eliminated.

The BIG T of '27



Rodgers  
Meserve  
Reynolds  
Boyd  
Gramatky

R. Ross  
Combs  
Aultman  
L. Ross  
T. Robinson

Foster  
Gottier  
Bradley  
Starke  
Folsom

Heilbron  
Thompson  
Bewley  
Farrar  
Scullin

## MILITARY

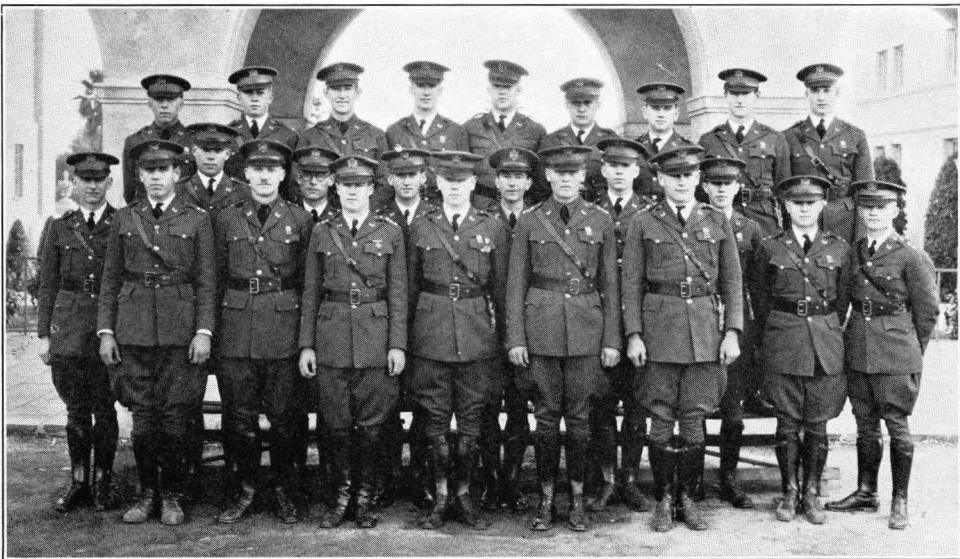
Under the able leadership of Lieutenant-Colonel Adams the military department has enjoyed a very successful year.

The first term was spent in drilling the battalion in the school of the soldier, which is an excellent preparation in leadership and discipline needed in the more difficult problems set before the engineers.

The second term was devoted to engineer drill in building a suspension bridge, capable of carrying any ordinary load imposed by infantry on the march. Half of one company was employed each week for two hours while the rest of the company was excused from drill. The other two companies were drilled in extended and closed order formations.

At the beginning of the third term the battalion was given practice drill and was examined by the army board for honor college rating. Tech has been awarded that honor for the last two years and it is hoped that the battalion did well enough to be awarded it again this year. The results of the examination will not be announced until late in the summer. This rating confers considerable honor, since there are only twelve colleges and universities in the country that are awarded it. As has been the custom in past years the department held its parade on exhibit day for the benefit of visitors, who were able to see that engineers are efficient in all lines of work. The remainder of the year was spent in practical problems in tactical maneuvers.

Many of the advanced course students were afforded the privilege of shooting on the Pasadena Police pistol range in Eaton Canyon during spring vacation. Several of the men firing won sharpshooter's badges, while nearly all the rest qualified as marksmen.



COMMISSIONED OFFICERS

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The BIG T of '27

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PI KAPPA SIGMA



*Founded at the California Institute of Technology, 1925*

HONORARY MEMBERS

Lieutenant-Colonel Lewis M. Adams  
Lieutenant Louis J. Claterbos

CLASS OF 1927

M. Maxwell Bower  
James Boyd  
Alan E. Capon  
Thomas L. Gottier  
Frank P. Meserve, Jr.  
Frank A. Nickell  
Hilmer Fred Peterson

Rolland A. Philleo  
Lee W. Ralston  
Eugene H. Riggs  
V. Wayne Rodgers  
Frederick T. Schell  
Leonard L. Snyder  
W. Layton Stanton

Donald R. Thompson

CLASS OF 1928

Guy L. Chilberg  
Richard G. Folsom  
Harold M. Huston

J. Edward Joujon-Roche  
William H. Mohr  
William L. Olsen

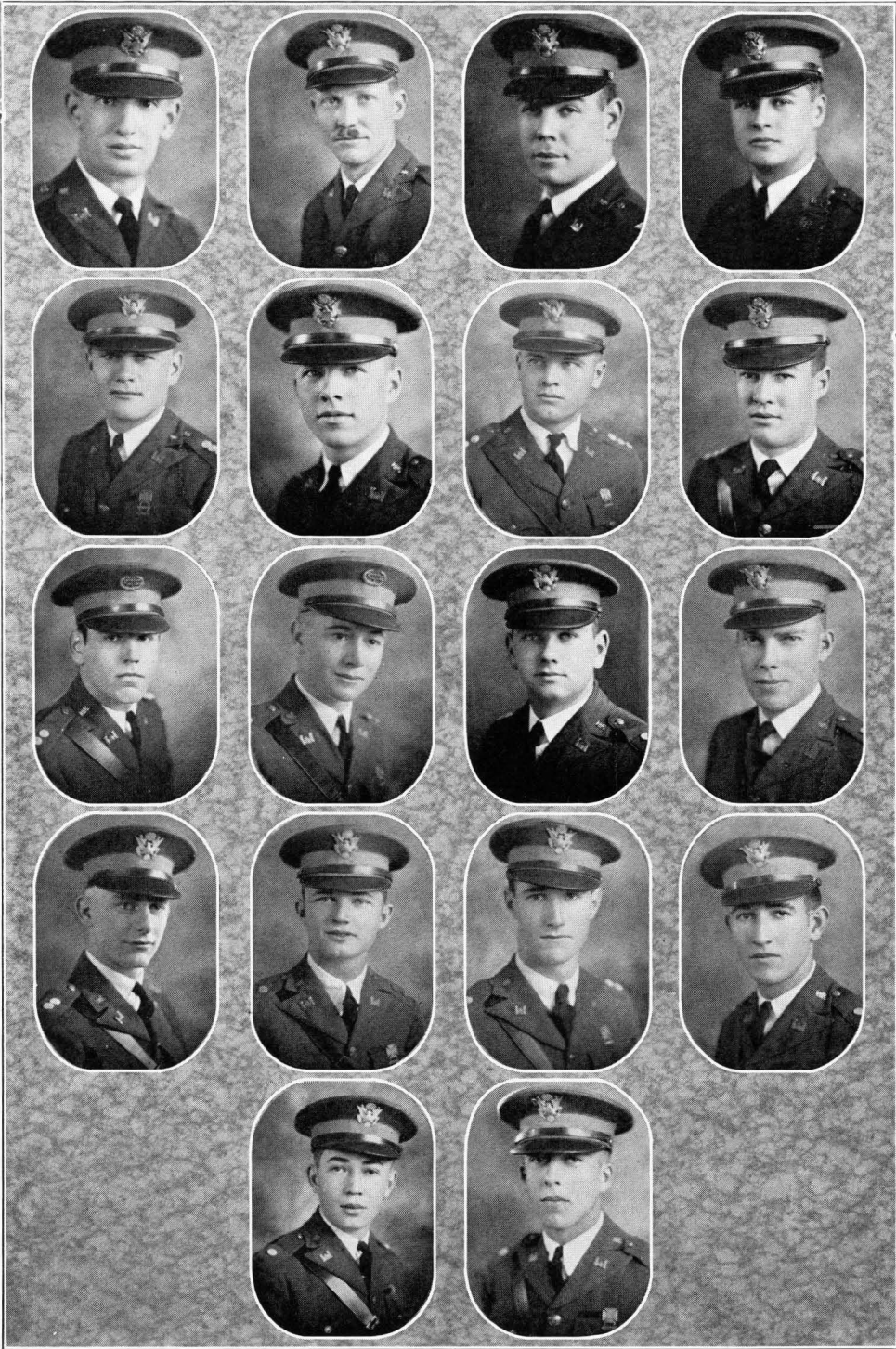
James Conrad Scullin

ASSOCIATE MEMBERS

Theodore C. Combs

Mason A. Logan

The BIG T of '27



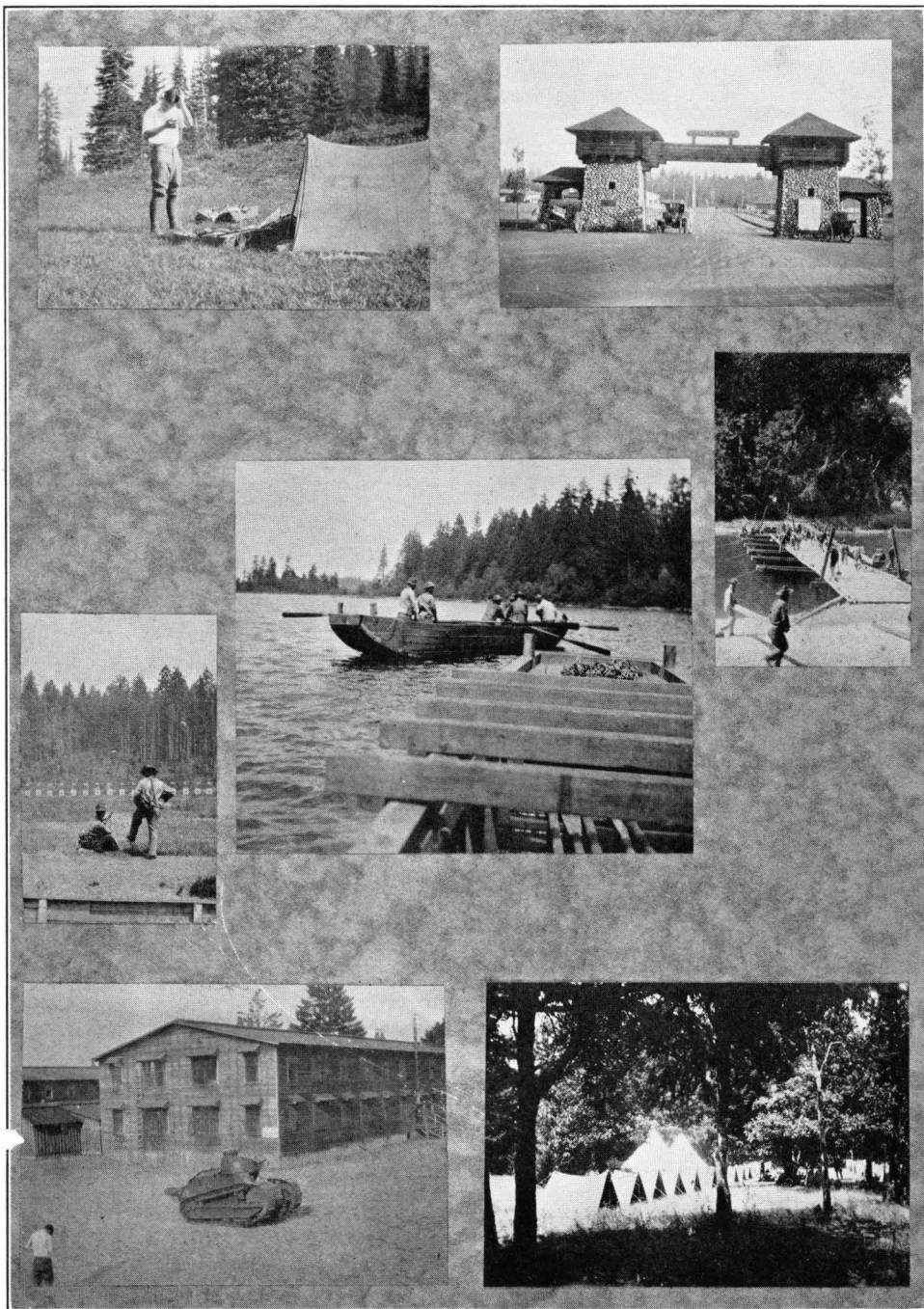
Meserve  
Nickell  
Capon  
Thompson

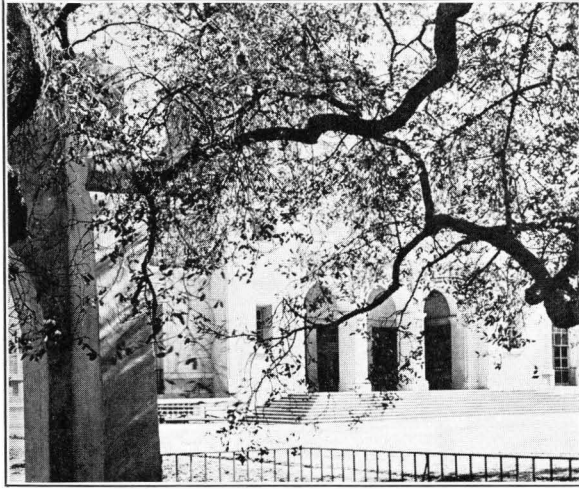
Peterson  
Combs  
Snyder  
Bower  
Schell

Riggs  
Stanton  
Cottier  
Boyd  
Philleo

Rodgers  
Logan  
Olsen  
Ralston

The BIG T of '27





## ORGANIZATIONS



## HONOR SOCIETIES

There are many goals of recognition for Tech men to strive for in their activities. These cover scholarship, forensics, athletics, journalism, dramatics, military, and general student activities. Various societies recognize different achievements: Tau Beta Pi elects from the scholars, Sigma Xi honors research men, Pi Kappa Delta is the forensic honor society, the Varsity Club is composed of men of exceptional athletic ability, the Press Club selects men interested in journalism and literature, the Dramatic Club consists of men who have participated in college dramatics, Pi Kappa Sigma recognizes men prominent in military activity, and the Honor Key System honors men who have distinguished themselves in many student activities.

The California Beta Chapter of Tau Beta Pi was granted a charter in 1921 and since that time has done much to stimulate scholarship on the campus.

Sigma Xi, national honorary fraternity for the promotion of scientific research, was brought to the campus last year and has served to create much interest in graduate and undergraduate research.

Pi Kappa Delta, national honorary forensic fraternity, organized the California Gamma Chapter at Tech in 1921 and has encouraged forensic activity on the Tech campus. The fraternity has established the custom of presenting a Greek play annually and has done much to stimulate interest in classic culture.

The Varsity Club, composed of varsity lettermen, proposes to promote athletics and to raise the standards of sportsmanship at the Institute.

The Press Club endeavors to improve campus journalism and literary interest. Initiates to the Club are responsible each year for the publication of a razz sheet known as the "Hot Rivit".

The Dramatic Club recognizes those who have distinguished themselves in campus dramatics. The club presents a group of plays each year which add greatly to the enjoyment of campus life. Mr. Gilmor Brown, director of the Pasadena Community Playhouse, also directs the Institute dramatic endeavors.

Pi Kappa Sigma fosters military training at the college and has done much to raise the efficiency of the Institute Battalion.

The highest award given by the Student Body in recognition of general student activity is the Honor Key. Wearers of the Honor Key are not organized, but from the basis of the award it is seen that they do much to further the interests of the Student Body.

Many of the Societies, besides carrying out their regular programs, entertain the Institute at large with social functions such as dances and dramatic offerings. For this reason, a large amount of the social life of the college centers around them.

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The BIG T of '27

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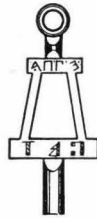
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The BIG T of '27

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TAU BETA PI



FACULTY

Dr. Robert A. Millikan  
Dr. Arthur A. Noyes  
Dean Frederic W. Hinrichs

Mr. Robert T. Knapp

Prof. William H. Clapp  
Prof. Franklin Thomas  
Prof. Royal W. Sorensen

CLASS OF 1927

Carl D. Anderson  
William W. Aultman  
Kenneth A. Belknap  
M. Maxwell Bower  
Alan E. Capon  
Fred J. Ewing  
Harry K. Farrar  
John B. Forster  
Ward D. Foster  
C. Lewis Gazin  
Thomas L. Gottier  
Clarence L. Haserot  
Robert F. Heilbron

John E. Marsland  
Carol G. Montgomery  
Bernard N. Moore  
George E. Moore  
Frank A. Nickell  
Thurman S. Peterson  
Rolland A. Philleo  
V. Wayne Rodgers  
Howard R. Starke  
Charles S. Swartz  
Frederick G. Thearle  
Robert B. Vaile, Jr.  
Ralph M. Watson

Carlos K. Wells

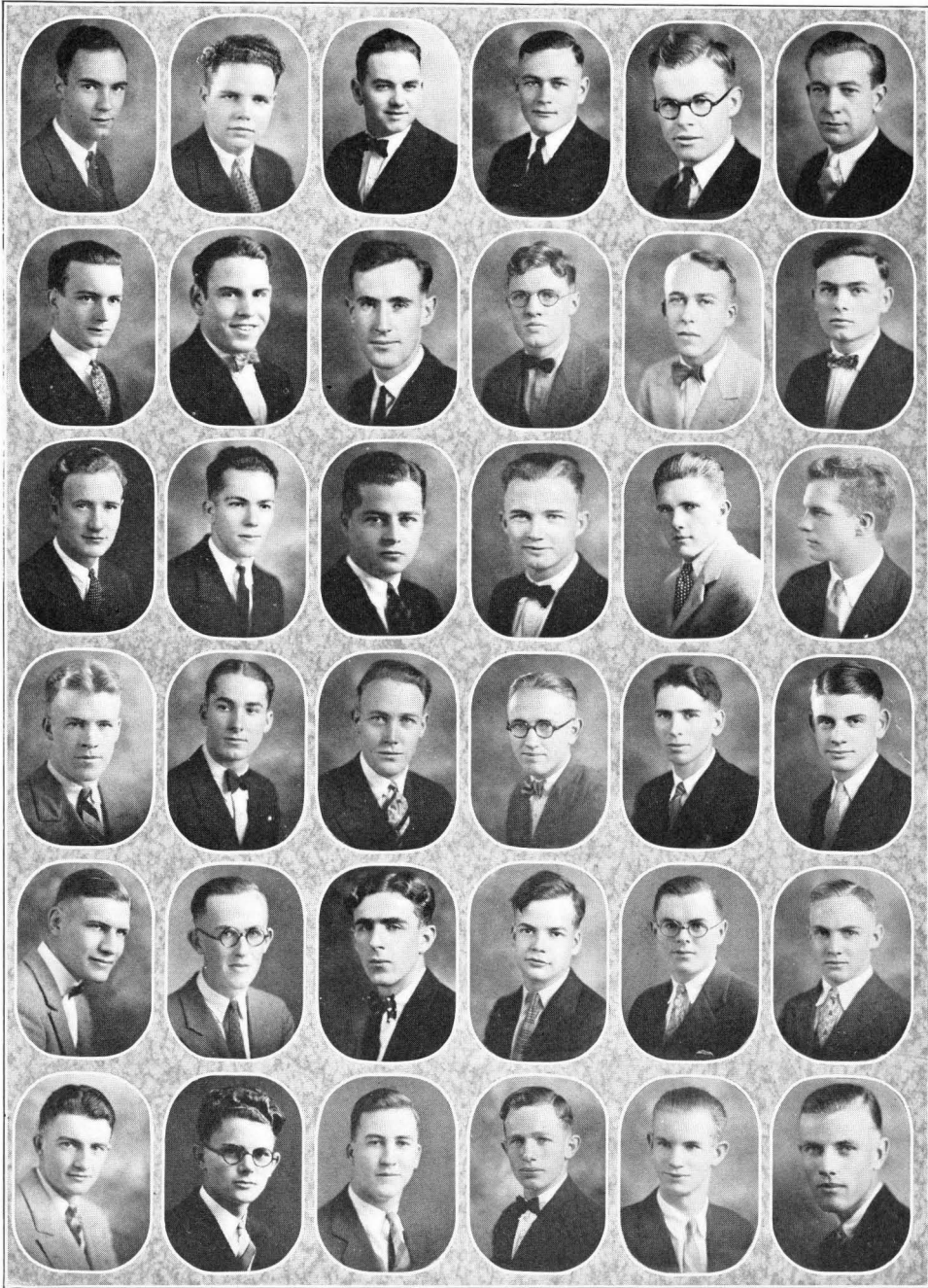
CLASS OF 1928

Robert I. Coulter  
Ralph Cutler  
Robley D. Evans  
George T. Harness  
Douglas Kingman  
Charles Lash

Albert E. Lombard, Jr.  
Russell Love  
Edwin E. McMillan  
Henry E. Nash  
Firth Pierce  
Joe W. Schweinfest

Kenneth A. Solomon

The BIG T of '27



Anderson  
Aultman  
Haserot  
Love  
Starke  
Evans

Ewing  
Capon  
Watson  
Vaile  
Lash  
Pierce

Gottier  
Gazin  
Rodgers  
Wells  
Marsland  
Harness

Nickell  
G. Moore  
Bower  
Farrar  
B. Moore  
Kingman

Heilbron  
Philleo  
Peterson  
Belknap  
Coulter  
MacMillan

Foster  
Swartz  
Montgomery  
Forster  
Lombard  
Cutler

SIGMA XI

ASSOCIATES

J. Stuart Campbell  
C. Hawley Cartwright  
Claude D. Hayward  
G. Robert Jaffray

William A. Lewis  
Richard D. Pomeroy  
Nathan F. Scudder  
Joy A. Van den Akker

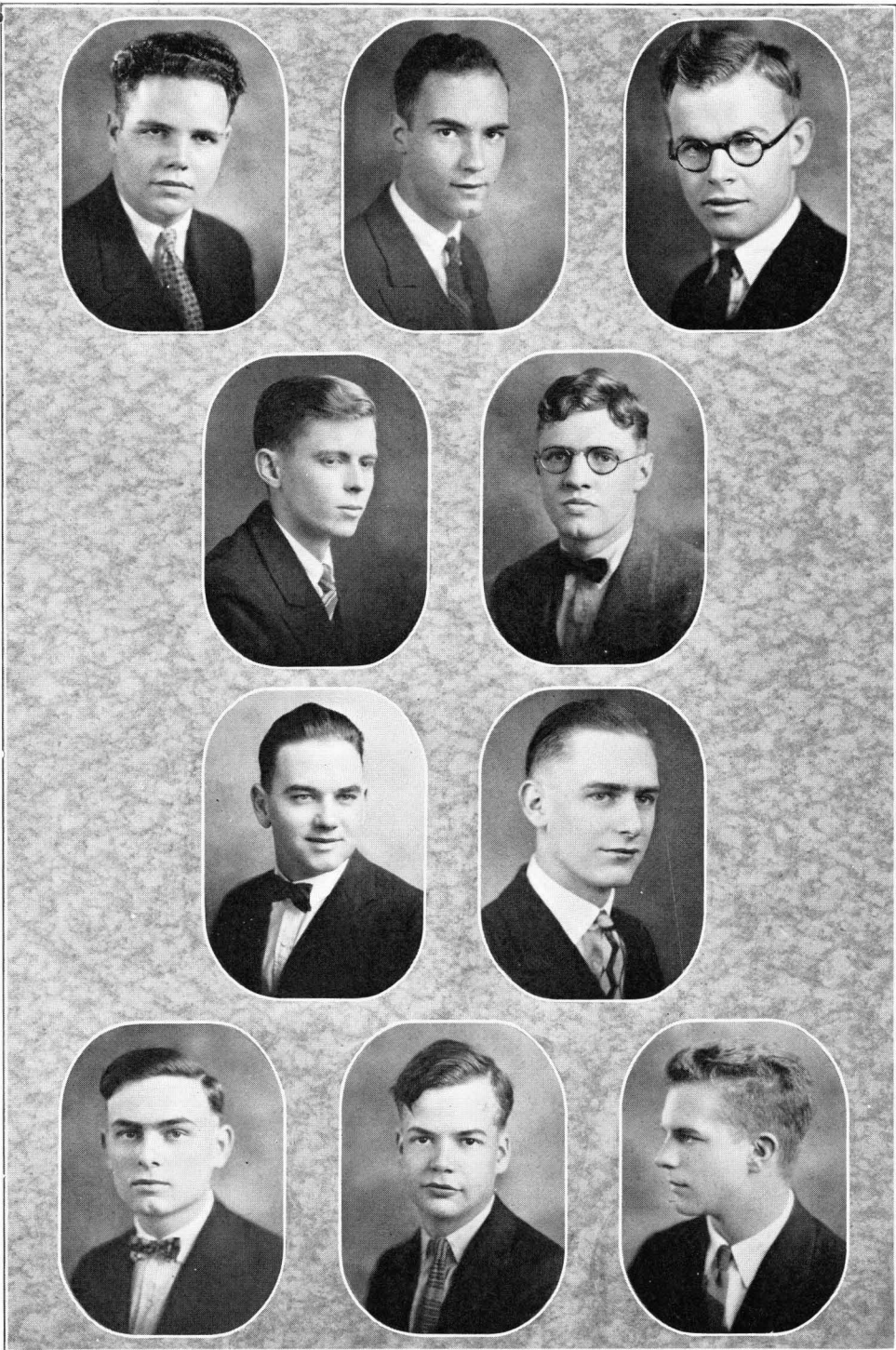
UNDERGRADUATE ASSOCIATES

Carl D. Anderson  
C. Hewitt Dix  
Fred J. Ewing  
Thomas L. Gottier  
Robert F. Heilbron

Carol G. Montgomery  
Bernard N. Moore  
George E. Moore  
Charles A. Swartz  
Fred G. Thearle

Donald R. Thompson

The BIG T of '27



Ewing

Dix  
Gottier

Anderson

G. Moore  
Thompson

Heilbron

Swartz

B. Moore

Montgomery

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*T h e* B I G T *o f* ' 2 7

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PI KAPPA DELTA



FACULTY

Dr. John R. Macarthur  
Mr. Gilmor Brown

Mr. Walter W. Ogier, Jr.  
Mr. Raymond E. Untereiner

CLASS OF 1927

Kenneth A. Belknap  
Maxwell M. Bower  
John G. Case  
Theodore C. Combs  
Ward D. Foster

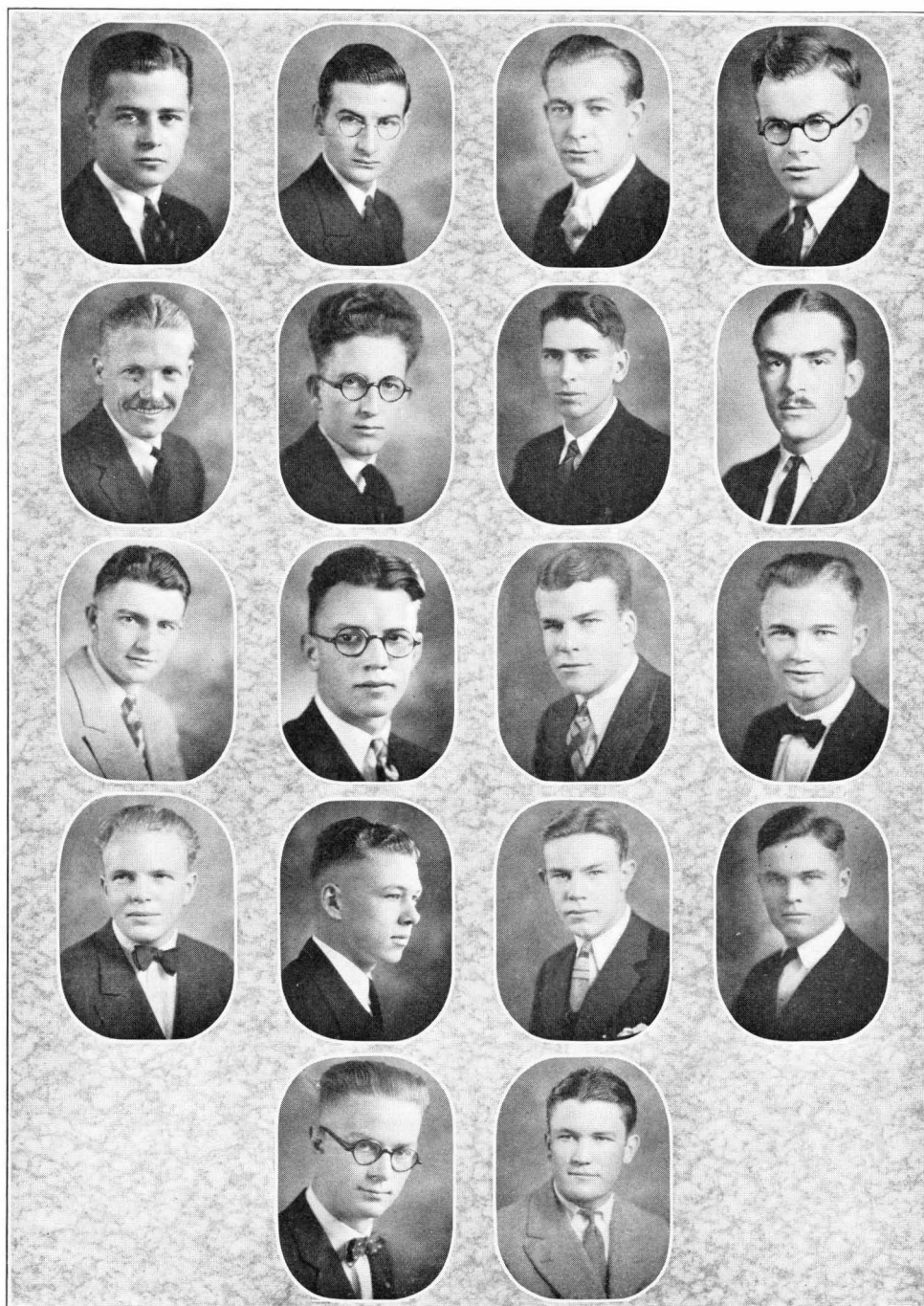
Robert F. Heilbron  
H. Fred Peterson  
V. Wayne Rodgers  
Robert T. Ross  
Layton Stanton

CLASS OF 1928

William A. Berry  
Maxwell F. Burke  
Guy L. Chilberg  
Robley D. Evans

Edward R. Gilmore  
Kenneth H. Robinson  
True W. Robinson  
J. Conrad Scullin

The BIG T of '27



Rodgers  
Peterson  
Evans  
Berry

Ross  
Burke  
Case  
Combs  
T. Robinson

Foster  
Belnap  
Chilberg  
K. Robinson  
Scullin

Heilbron  
Gilmore  
Bower  
Stanton



THE PRESS CLUB



HONORARY

Mr. William D. Crane	Prof. George R. MacMinn
Mr. G. Robert Jaffray	Prof. Clinton K. Judy
Mr. Louis W. Jones	Mr. Roger F. Stanton

CLASS OF 1927

William W. Aultman	H. Fred Peterson
Ellery R. Baxter	Leonard W. Ross
Theodore C. Combs	Robert T. Ross
Harry K. Farrar	V. Wayne Rodgers
Ward D. Foster	Raymond E. St. Clair
	Robert F. Heilbron

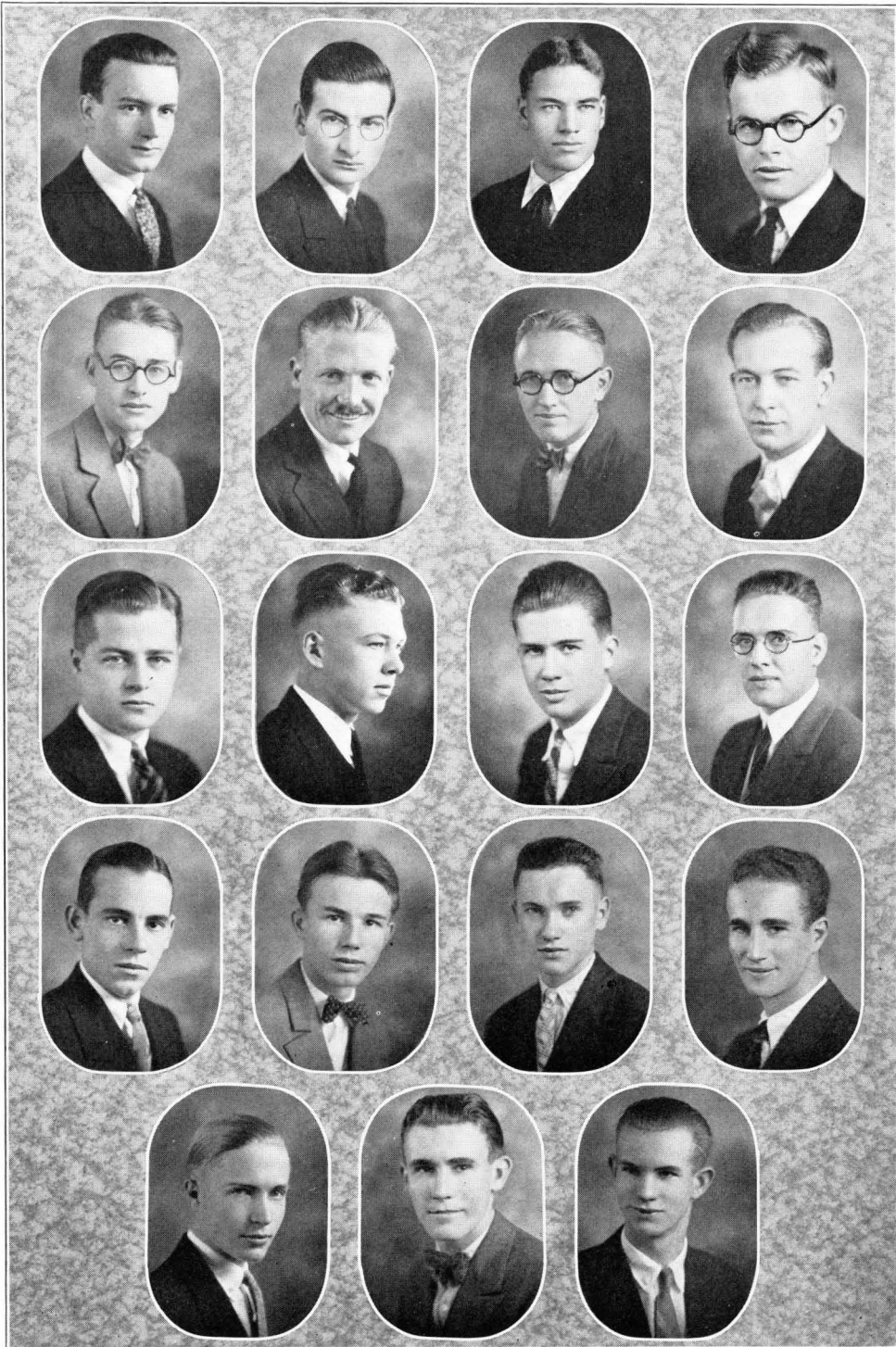
CLASS OF 1928

Edwin M. McMillan	Ernest E. Sechler
Elbert E. Miller	Linton P. von Beroldingen
	C. Gordon Minkler

CLASS OF 1929

George Langsner	Fred A. Wheeler
	George F. Taylor

The BIG T of '27



Aultman  
von Beroldingen  
Rodgers  
L. Ross

Sechler

R. Ross  
Peterson  
Combs  
Minkler

Wheeler

St. Clair  
Farrar  
Taylor  
Langsner

McMillan

Heilbron  
Foster  
Baxter  
Miller

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VARSITY CLUB



HONORARY MEMBERS

W. L. Stanton

H. Z. Musselman

Lieut. L. J. Claterbos  
Dr. Floyd L. Hanes

MEMBERS

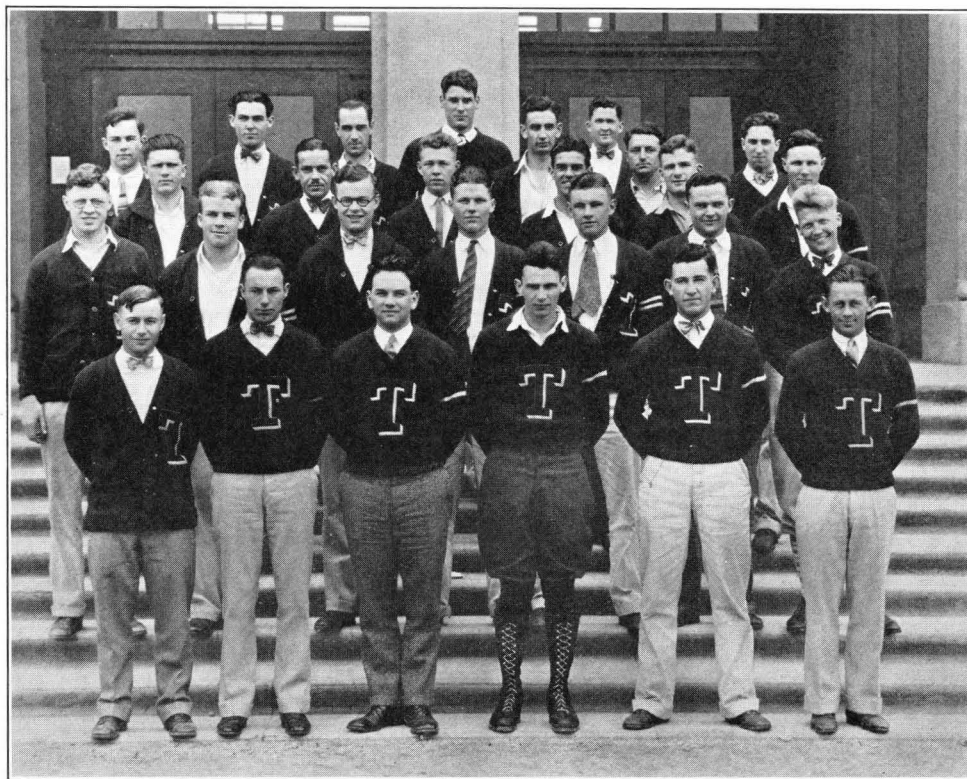
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Guy L. Chilberg, F-2, 3  
George F. Collins, F-4  
Theodore C. Combs, T-3, 4  
Ray E. Copeland, F-3, 4  
Philip Cravitz, F-2  
M. Dick Darling, T-2, 3, 4  
Philip T. Durfee, F-3  
Richard G. Folsom, F-2, 3  
Thomas L. Gottier, B-3  
Robert F. Heilbron, F-3, 4  
Vaino A. Hoover, T-2, 3, 4  
Edward P. Jones, F-3, 4; T-3, 4  
Edward Joujon-Roche, F-2, 3; B-2, 3  
Charles F. Lewis, F-2, 3  
Albert E. Lombard, Jr., F-3  
Elbert E. Miller, T-3  
Frank P. Meserve, Jr., T-2, 3, 4  
William H. Mohr, F-2, 3  
George E. Moore, F-2, 3, 4  
Elmer M. Muff, F-2  
Frank A. Nickell, F-2, 3, 4; T-3, 4  
Thurman S. Peterson, F-3; B-2, 3; BB-3  
H. Fred Peterson, BB-2, 3, 4  
Lee W. Ralston, T-2, 4  
Clyde E. Shields, F-2  
Murray N. Shultz, T-2, 3, 4  
W. Layton Stanton, F-2, 3, 4  
Howard R. Starke, B-2, 3, 4  
George G. Watson, F-2

F—Football, BB—Baseball, T—Track, B—Basketball

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The BIG T of '27

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*Front row:* Snyder, Schultz, Gottier, Jones, Ralston, Darling  
*Second row:* Moore, Chilberg, Heilbron, Lynn, Mohr, Collins, H. Peterson  
*Third row:* T. Peterson, Ross, Combs, Cramer, C. Shields, Durfee  
*Back row:* Folsom, Lilly, Anderson, Joujon-Roche, Meserve, Copeland, Gordon, Cravitz

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T h e B I G T o f ' 2 7

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DRAMATIC CLUB

HONORARY MEMBERS

Mr. Noel T. Arnold	Mr. Louis W. Jones
Mr. Gilmore Brown	Prof. Clinton K. Judy
Mr. William D. Crane	Prof. George R. MacMinn
Mr. Roger Stanton	

GRADUATE MEMBERS

J. Stuart Campbell	G. Robert Jaffray
Frey Hamburger	William A. Lewis, Jr.
Claude D. Hayward	Richard D. Pomeroy

CLASS OF 1927

William W. Aultman	Ward D. Foster
Kenneth A. Belknap	H. Fred Peterson
James Boyd	V. Wayne Rodgers
John G. Case	Robert T. Ross
Theodore C. Combs	J. Davis Shuster
Harry K. Farrar	Raymond E. St. Clair

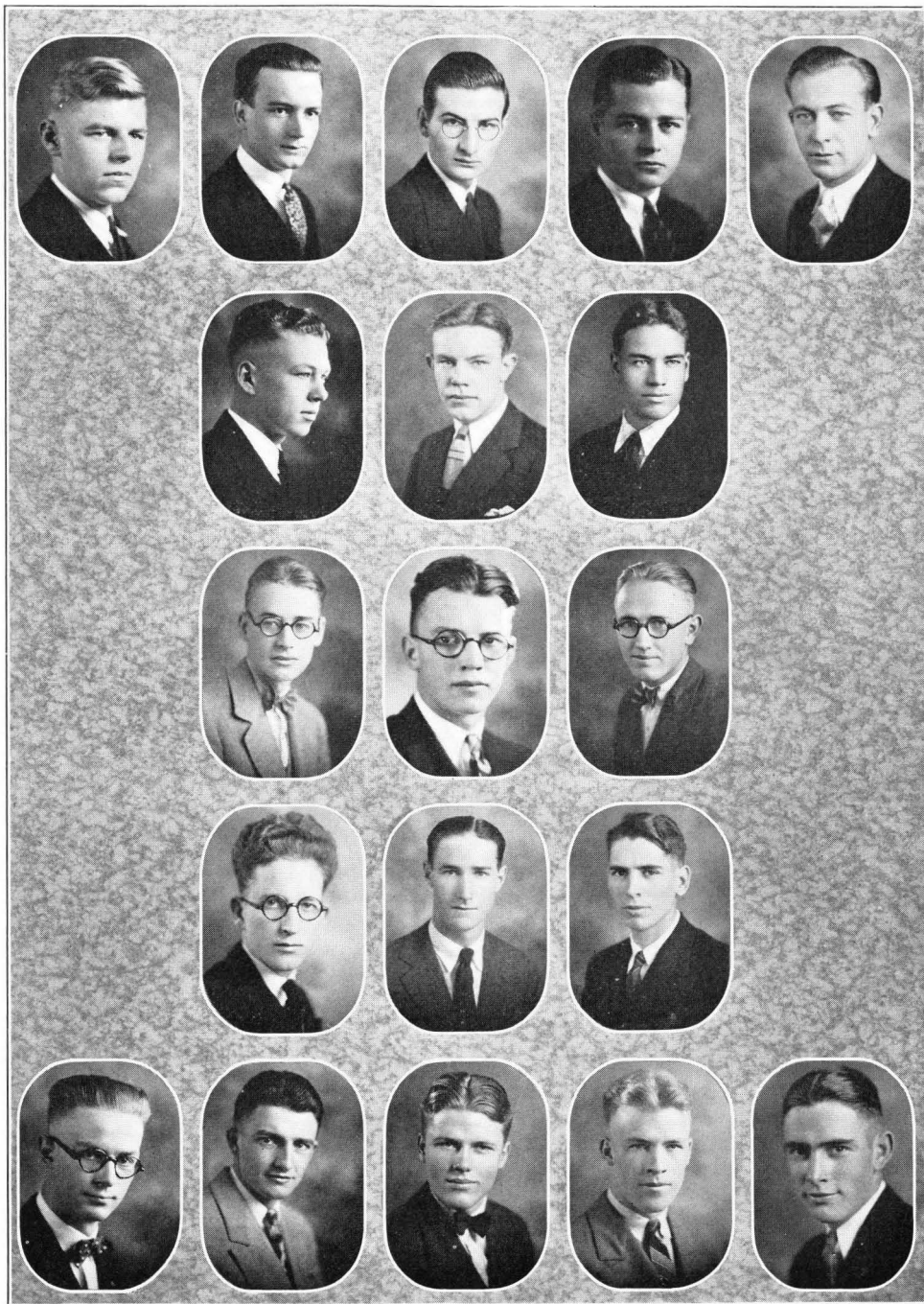
CLASS OF 1928

Maxwell F. Burke	Laurence E. Lynn
Robley D. Evans	Kenneth H. Robinson
Russel J. Love	True W. Robinson
Linton P. von Beroldingen	

CLASS OF 1929

Frederick W. Bewley

The BIG T of '27



Shuster

Aultman  
Combs  
von Beroldingen  
Burke  
Evans

Ross  
K. Robinson  
Case  
Boyd  
Lynn

Rodgers  
St. Claire  
Farrar  
Belknap  
Love

Foster

T. Robinson

Bewley

## PROFESSIONAL SOCIETIES

The American Society of Civil Engineers, the oldest national engineering society, founded in 1852, strives for the advancement of engineering and architectural knowledge, the maintenance of high professional standards, the interchange of ideas between men of practical science, and the establishment of a central point of reference and union for its members.

The local branch of the American Institute of Electrical Engineers affords opportunities for the Electrical Engineering students to gain a proper perspective of engineering activity by enabling them to become acquainted with the personnel and problems of that work.

The American Society of Mechanical Engineers endeavors to promote technical research and the arts and sciences connected with engineering and mechanical construction, and to increase the friendships and contacts among men engaged in mechanical engineering.

The Chem Club, one of the oldest professional organizations on the campus, endeavors to stimulate interest in chemistry and to promote fellowship among the undergraduates, the graduates and the members of the faculty.

The Aero Club, although organized only five years ago, has grown rapidly into a strong professional society. The purpose of the organization is to study and investigate the latest developments in the aeronautical industry and to provide a means of association for all those interested in practical aviation.

For men interested in the theory and practice of radio, The Radio Club furnishes ample opportunity for investigation. Besides the companionship of mutual interest which the Club affords, the members take part in various experiments which are conducted in Southern California and in that way become increasingly familiar with their work.

Brothers under the skin—so are we all, say the members of the Tech Cosmopolitan Club which is composed of students representing countries in Europe, Asia, Australia and the two Americas. The club, which was originally organized by the local Y. M. C. A. is a member of the associated Cosmopolitan Club of Southern California conference colleges, and as such enjoys the privileges of joint meetings with these colleges around the banquet table.

Probably no group of Tech men live a more typical college life than do those men of the dormitory—Dorm Rats, as they are called, who spend not only their class hours, but as well their hours of study, recreation and rest on the campus. Realizing the possibilities of a friendly fellowship among themselves, and in keeping with tradition, these men are organized annually to form the time-honored Dorm Club.

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The BIG T of '27

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AMERICAN SOCIETY OF CIVIL ENGINEERS

*Student Branch*



ROLLAND PHILLO	/	/	/	/	/	President
THURMAN S. PETERSON	/	/	/	/	/	Vice-President
LEONARD W. ROSS	/	/	/	/	/	Secretary
ELLERY R. BAXTER	/	/	/	/	/	Treasurer

Henry P. Anderson	F. Sherman Hale
William W. Aultman	Ray I. Hall
Florent H. Bailly	Edward P. Jones, Jr.
Marshall A. Baldwin	W. Kenneth Kemp
Edward M. Browder, Jr.	William H. Krelle
John G. Case	George Langsner
Frederick Cline	Laurence E. Lynn
Theodore C. Combs	Harry T. McComb
Ray E. Copeland	Frank P. Meserve, Jr.
Dexter P. Crowther	William H. Mohr
Walter Cruzan	Carroll O. Nordquist
Ralph W. Cutler	William L. Olson
M. Dick Darling	Harry A. Peterman
Charles E. Dickerman	H. Fred Peterson
Kenneth M. Fenwick	Eugene H. Riggs
Moe W. Gewertz	V. Wayne Rodgers
Morton K. Shields	



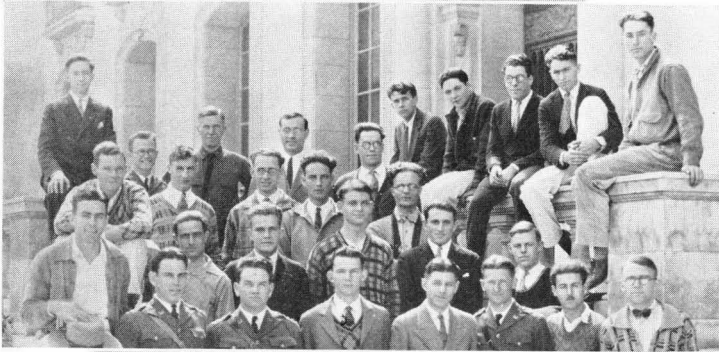
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The BIG T of '27

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AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

*Student Chapter*



THOMAS L. GOTTIER / / / / / President  
DONALD R. HINKSTON / / / / / Vice-President  
ALAN E. CAPON / / / / / Secretary  
R. CARTER BLANKENBURG / / / / / Treasurer

Carter H. Austin  
Benjamin A. Barre  
Knowlton R. Birge  
R. Carter Blankenburg  
M. Maxwell Bower  
Alan E. Capon  
Robert Creveling  
Harry K. Farrar  
J. Blinn Forster  
Allan W. Dunn  
David Z. Gardner  
Fred R. Wilson  
Thomas L. Gottier  
Regis S. Gubser  
Donald R. Hinkston  
Vaino A. Hoover  
George S. Kaneko  
Hugh A. Hossack

Archie P. King  
Jackson G. Kuhn  
Hilmer E. Larson  
Russel J. Love  
Benjamin R. Loxley  
C. Jackley Wallace  
William A. Minkler  
Louis H. Mesenkop  
Elbert E. Miller  
Walter H. Righter  
John D. Shuster  
Frederick T. Schell  
Gleb A. Spassky  
Russell E. Thompson  
John W. Thatcher  
Robert B. Vaile  
Frank H. Wiegand  
Fred R. Wilson

Boris Zbradovsky

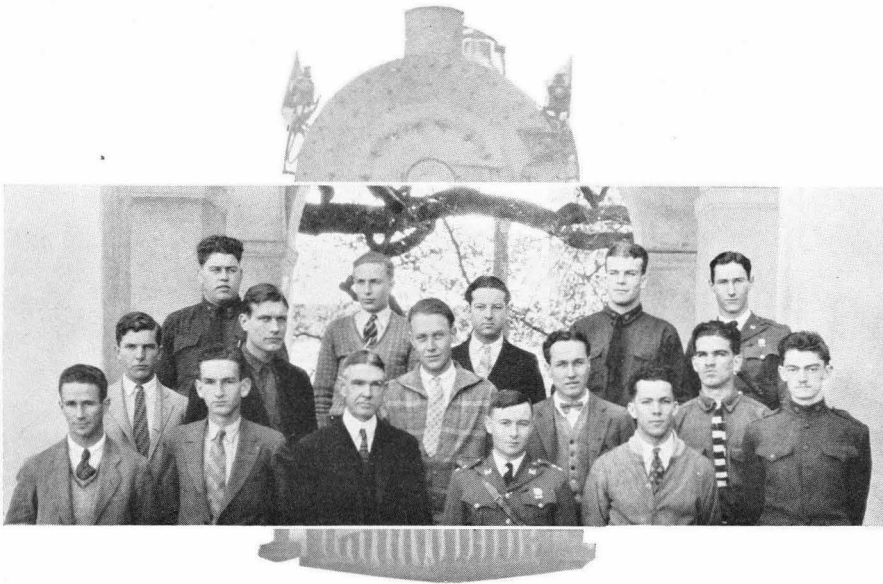
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The BIG T of '27

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AMERICAN SOCIETY OF MECHANICAL ENGINEERS

*Student Chapter*



LEONARD L. SNYDER	/	/	/	/	/	President
LEE W. RALSTON	/	/	/	/	/	Secretary

Garfield C. Coffee  
George E. Collins  
Lyon S. de Camp  
Ludwig Donner  
Fred F. Peterson  
Howard R. Starke  
Frederick G. Thearle  
Arthur F. Walton  
Ralph M. Watson  
John I. Weisel  
C. Kenyon Wells

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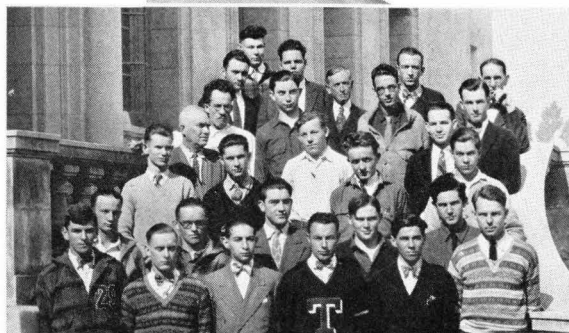
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The BIG T of '27

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CHEM CLUB

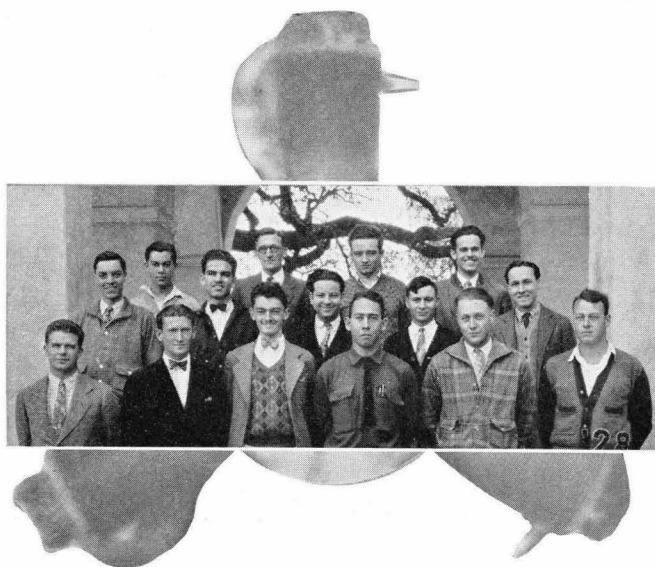


MURRAY N. SCHULTZ	/	/	/	/	/	President
JOHN E. MARSLAND	/	/	/	/	/	First Vice-President
DOUGLAS B. PERRY	/	/	/	/	/	Second Vice-President
ROBERT J. WHITE	/	/	/	/	/	Secretary
BERTRAM S. HARRIS	/	/	/	/	/	Treasurer

HONORARY MEMBERS

Dr. Arthur A. Noyes  
Dr. William N. Lacey  
Dr. Howard J. Lucas  
Dr. James E. Bell

AERO CLUB



FRED G. THEARLE / / / / / / / President  
C. KENYON WELLS / / / / / / / Secretary-Treasurer

William A. Arnold  
Bill Baker  
Charles A. Bosserman  
H. Allen Campbell  
Ludwig Donner  
Lawrence J. Grunder  
Lyon S. de Camp  
Arthur F. Walton  
John L. Weisel  
Winton C. Hoch  
James Boyd  
Leonard L. Snyder  
Kenneth M. Fenwick  
Lee W. Ralston  
Carol G. Montgomery  
John S. Goodwin

RADIO CLUB



FRANK H. WIEGAND / / / President, 6BO  
MASON A. LOGAN / / / Vice-President, 6BKS  
LOUIS H. MESENKOP / / / Secretary-Treasurer

J. Blinn Forster  
Beverly F. Fredendall, 6AWK  
David Z. Gardner, 60D  
Edson C. Lee  
Melvin L. Leppert, 8SF  
Benjamin R. Loxley  
George W. Read  
Lloyd W. Russell, 6BGO  
Wilfred L. Slick, 6AUR  
Frederick T. Swift, 6CMQ  
Russell E. Thomson  
Alfred E. Towne

GEOLOGY CLUB



FACULTY

Prof. John P. Buwalda

Prof. Chester Stock

GRADUATE

Rene L. H. Engel

Roy A. MacMillan

Vittaly J. Gavrillovitch

Clement D. Meserve

John W. Patterson

CLASS OF 1927

Florent H. Bailly

Bernard N. Moore

C. Lewis Gazin

Frank A. Nickell

Clarence L. Haserot

W. Layton Stanton

John H. Maxson

Francis E. Turner

CLASS OF 1928

William L. Berry

Lozell C. Hookway

Wakefield B. Byrkit

W. Morton Jacobs

Albert M. Gilmore

Firth Pierce

George A. Schroter

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The BIG T of '27

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COSMOPOLITAN CLUB



BORIS ZBRADOVSKY	/	/	/	/	/	President
FREY HAMBURGER	/	/	/	/	/	Vice-President
WILLIAM AULTMAN	/	/	/	/	/	Secretary
JAMES BOYD	/	/	/	/	/	Treasurer

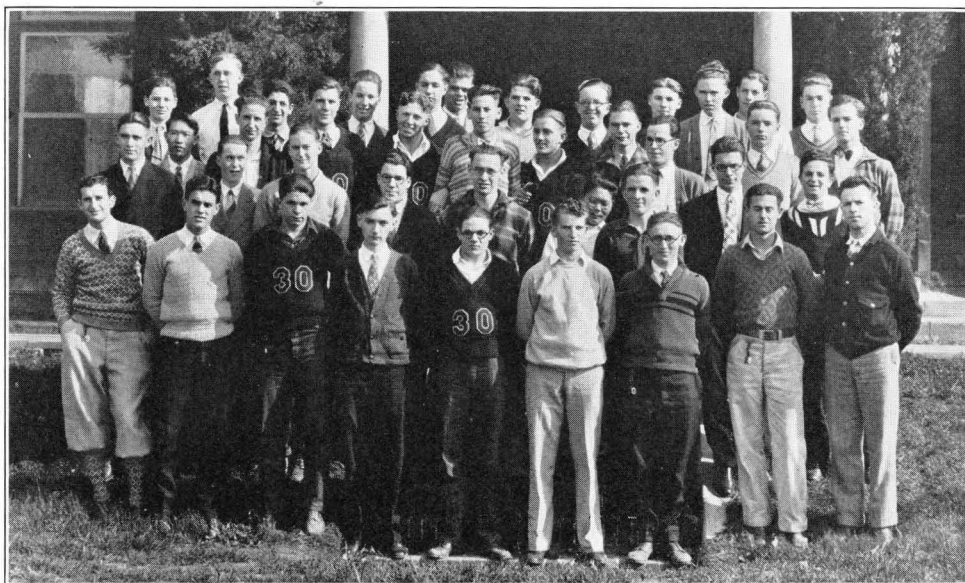
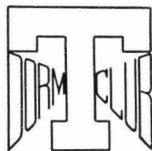
William Aultman  
 Florent Bailly  
 James Boyd  
 Donald Grant  
 Frey Hamburger  
 Robert Jaffray  
 George Kaneko  
 Raymond Kircher  
 Henry Kubow  
 George Langsner  
 Howard Nagashi  
 Charles Schweiso, Jr.  
 Morton Shields  
 Gleb Spassky

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The BIG T of '27

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DORM CLUB



SHERMAN HALE	President
RICHARD M. DODGE	Vice-President
FRANK WALTON	Secretary-Treasurer
JOHN AKERS, FRED BEWLEY	Social Chairmen
HUGH HOSSACK, E. HART ROSS	House Committee



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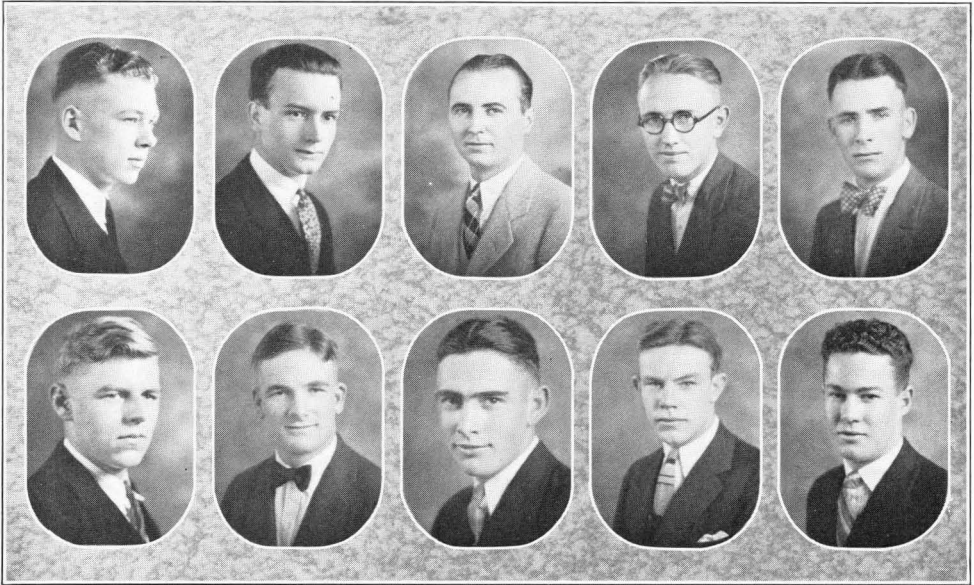
The BIG T of '27

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Y. M. C. A.



COMBS  
SHUSTER

AULTMAN  
SHIELDS

SCHWIESO  
BEWLEY

FARRAR  
ROBINSON

BRADLEY  
LOGAN

THE CABINET

HARRY K. FARRAR	/ /	President		ROBERT H. HULL	/ /	Handbook
THEODORE C. COMBS	/ /	Vice-Pres.		MASON A. LOGAN	/ / /	Social
CLYDE E. SHIELDS	/ /	Secretary		KENNETH ROBINSON	/	Freshman
CHARLES BRADLEY, JR.	/	Treasurer		DAVIS SHUSTER	/ /	Churches
ELMER FISHER	/ /	Handbook		FRED BEWLEY	/ /	Deputations
WILLIAM AULTMAN	/ / / /				/ / / /	Membership

The Young Men's Christian Association at the Institute is one of the most important and helpful extra-scholastic organizations on the campus. The tireless work of Charles Schwieso, Jr., permanent secretary to the "Y", has made that organization indispensable to student life.

The policy and work of the Y. M. C. A. is directed by a cabinet of eleven members. The cabinet meets with the members at suppers held at intervals throughout the year and to which all members of the student body are always welcome.

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## The BIG T of '27

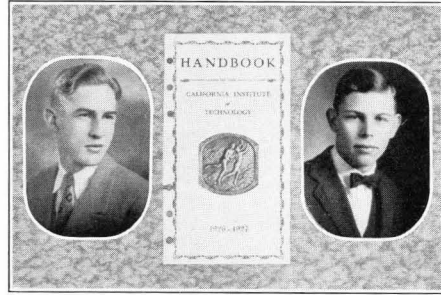
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The work of the Association is quite diverse. Perhaps the first time that the incoming freshman hears of the Tech "Y" is when he receives the Handbook of the Institute, a catalog of "Do's and Don'ts" together with much other useful information, which is published annually by the Association. The publication was put out this year by Elmer Fisher and Robert Hull.

The first large functions of the year are for the freshmen. The "Y" retreat, a get-together for freshmen and the members of the "Y", was held this year at Monte Nido in the Santa Monica mountains.

The second big event for the new men is the Frosh Mixer. The program this year was exceedingly fine, while the function certainly accomplished its purpose in getting the freshmen acquainted with the members of the student body. And then the daily grind began with a vengeance. But even in the whirl of scholasticism the "Y" is ever busy. For those who must find rooms and places to board, the Association inspects many rooms each year and publishes a long list of desirable accommodations. For those who need work, Chuck Schwieso conducts one of the most efficient employment agencies west of the Rockies. If one is tired and wishes to snatch a few moments respite from the labors of the day, the "Y" reading room contains the latest literature—serious and otherwise. If you are philanthropic and wish to help with social work, the "Y" will welcome you with open arms. And most important of all, if you are down and out and sick of it all, go talk to Chuck and you'll come away with a smile and a new lease on life. Through the smoke and the roar of the intellectual grind the little "Y" office is a veritable beacon of friendship and service.

These are but a few examples of the service and activities of the Young Men's Christian Association at Tech, an organization which is perhaps most exemplary of the true Tech spirit of Comradship, Individuality and Tolerance.



HULL

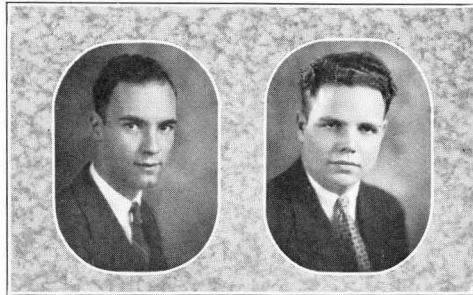
FISHER



TECH DELEGATION AT ASILOMAR

TRAVEL PRIZES

ANDERSON



EWING

The highest scholastic honor which is bestowed by the Institute is the award of the European Travel Prize. The prize is given for excellence in scholarship, activities, general information, athletic achievement, and forensic ability. The stipend is \$900 and allows the recipient to spend a considerable time in Europe, and affords a splendid opportunity for gaining that experience which may be had only by personal contact with the conditions which exist in some of the more important European countries.

Last year Carl D. Anderson and Fred J. Ewing received the honors, and spent six months in Europe studying in Germany and touring the continent. The reports and comments that these men have made since their return gives splendid evidence of the good that comes from these trips abroad.

This year the competition was very keen and the picking of two superior men from a group of eight who were already outstanding seemed almost impossible.

However, when speculation as to whom the men should be was at its highest point, the trustees surprised the student body and faculty and again gave evidence of the unending generosity by advancing sufficient additional funds to send all eight men on the trip.

Three of the men, Robley D. Evans, George T. Harness and Edwin M. McMillan were awarded \$900 prizes while Robert I. Coulter, Charles C. Lash, Albert E. Lombard, Jr., Joe W. Schweinfest, and Kenneth A. Solomon received \$500 awards.

These men will tour Europe during the summer and on their return to the Institute in the fall will report their travels to the Student Body.

The award of Travel Prizes to the members of the Student Body is not only of value to the men who do the travelling, but to the entire Institute as well. For when any student has any question as to conditions in Europe, provided the questions are not too complex, there is always someone on the campus who has been on the conti-

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## The BIG T of '27

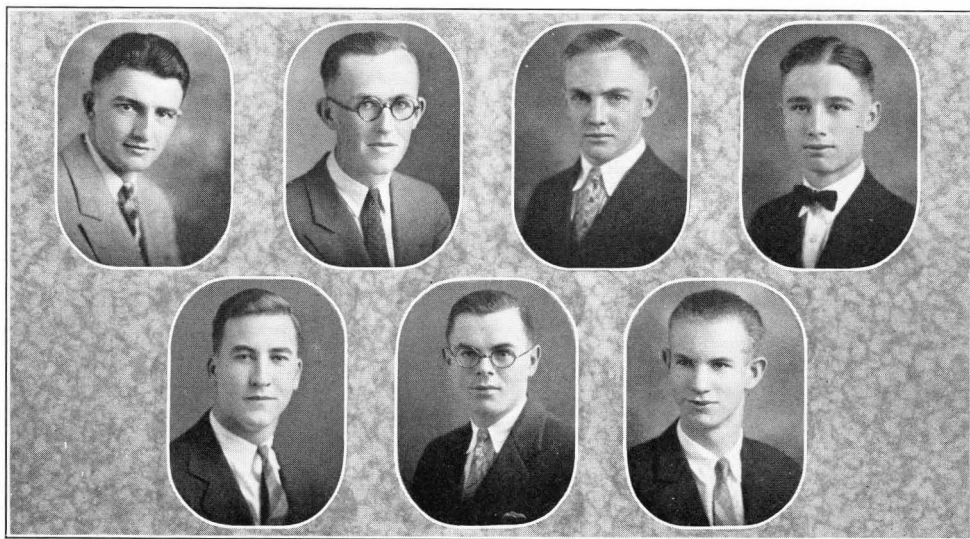
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ment during the year and whose powers of observation and judgment have been proved good enough that their observations and opinions may be taken as fairly accurate.

In addition to the eight men who will go to Europe on Travel Prizes, another man will represent the Institute in a European University during the next three years. Robert F. Heilbron, a former Travel Prize winner, was this year awarded the Rhodes Scholarship from the State of California. The Scholarship carries a stipend of 400 pounds annually for three years. This amount must be used for the support of the scholar during a three year stay at the University of Oxford.

Bob has been admitted to Trinity College at the University and will begin his studies there next fall.

It is very significant, while speaking of travel, to call attention to the interest which the Administration takes in the general cultural development of the students at the Institute. Tech is the only technical institution which requires four years of English for graduation. The Administration promotes all kinds of cultural endeavor and greatly aids the technician in becoming fit for his future duties. The Student Body is certainly fortunate in being able to enjoy these many opportunities.



Evans

Harness

Lash

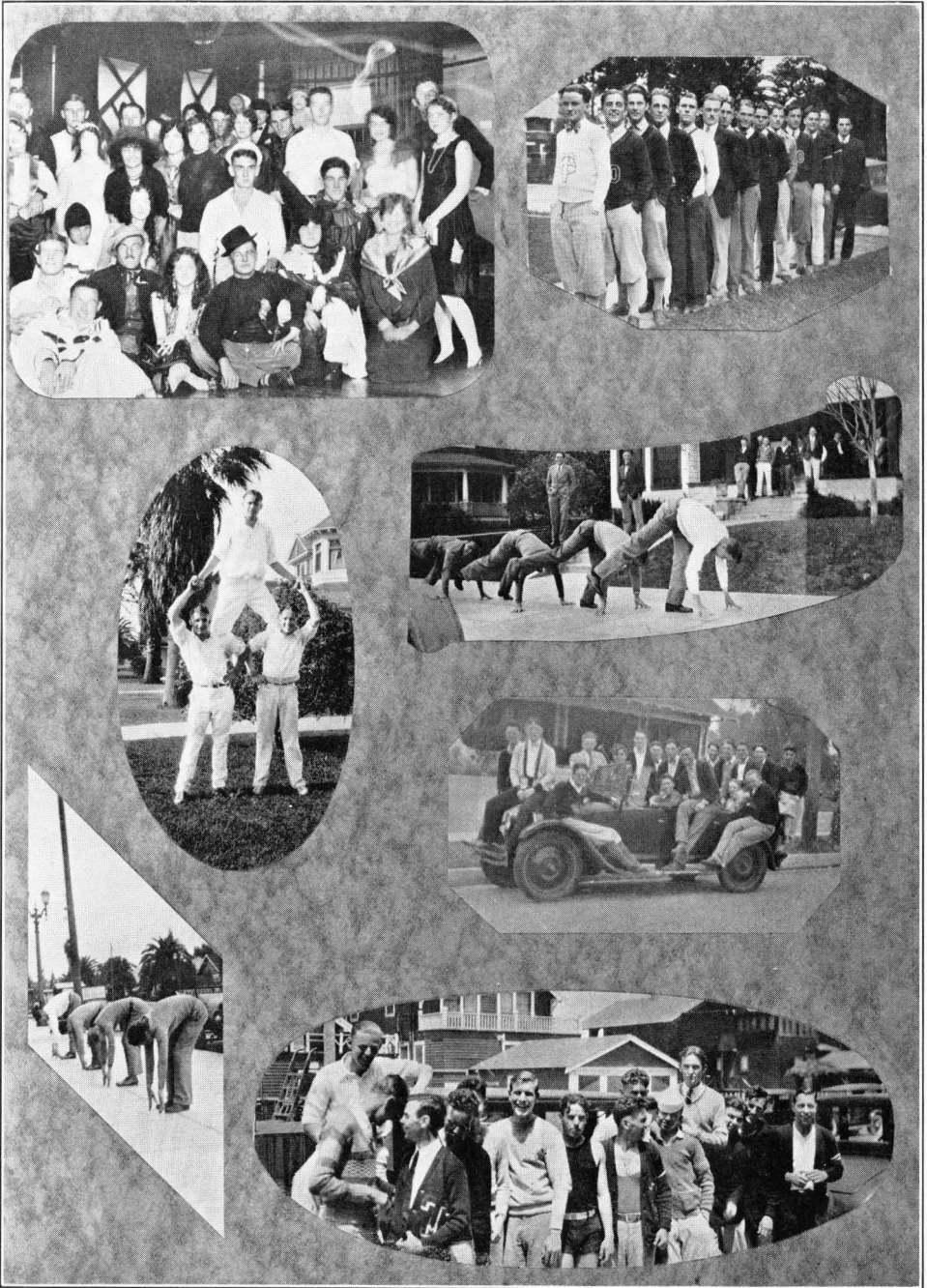
Coulter

Lombard

MacMillan

Schwieffest

The BIG T of '27





## GREEKS

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The BIG T of '27

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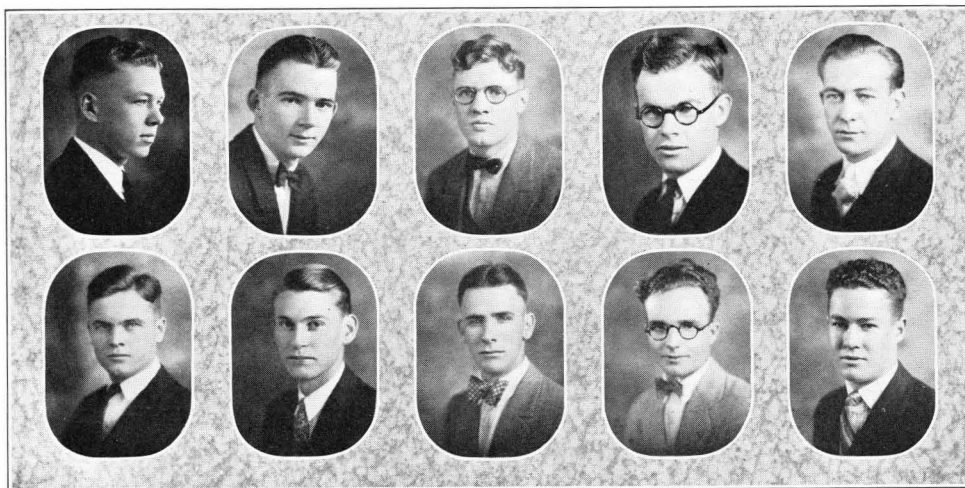
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The BIG T of '27

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INTERFRATERNITY COUNCIL



COMBS  
STANTON

BLANKENBURG  
KAYE

MOORE  
BRADLEY

HEILBRON  
MINKLER

FOSTER  
LOGAN

GNOME CLUB

Theodore C. Combs  
Robert F. Heilbron

SIGMA ALPHA PI

W. Layton Stanton  
Mason A. Logan

THE PHAROS

George Moore  
R. Carter Blankenburg

PI ALPHA TAU

William A. Minkler  
G. Robert Kaye

GAMMA SIGMA

Charles A. Bradley, Jr.  
Ward D. Foster

The Interfraternity Council was organized in 1921 to regulate the rushing and bidding of freshmen, and to control the relations between the fraternities. It has heretofore functioned more or less perfectly, but in complete obscurity. This year it has undertaken to work out a schedule whereby Tech will obtain a social prestige equal to that of its scholastic attainments. The Council this year formulated a set of rushing rules for freshmen in a much more complete and, it is hoped, more permanent form. The rushing of freshmen took place during the second term and was so designed as to eliminate as much as possible the "cut-throat" methods employed at some other colleges.

The big event of the social year at Tech is the Interfraternity Formal Ball, held at the close of the second term. Those attending were the members, alumni and pledges of the five social fraternities along with, of course, their patrons.

Besides regulating the rushing of freshmen and handling the Interfraternity Ball, this year the Council is taking a greater interest in campus activities and student affairs seeking to put these on as high a plane as possible.



THE GNOME CLUB



*Kappa Gamma*

Founded 1897

House: 289 South Madison Avenue

FACULTY

Mr. Edward C. Barrett	Prof. Clinton K. Judy
Dr. Stuart J. Bates	Prof. Romeo R. Martel
Prof. W. Howard Clapp	Mr. Walter W. Ogier, Jr.
Prof. Robert L. Daugherty	Mr. Ray E. Untereiner
Prof. Lucien H. Gilmore	Prof. Harry C. Van Buskirk
Prof. Royal W. Sorensen	

CLASS OF 1927

Ray E. Copeland	Frank P. Meserve, Jr.
George F. Collins	H. Fred Peterson
Theodore C. Combs	V. Wayne Rodgers
M. Dick Darling	Robert T. Ross
Clarence L. Haserot	Murray N. Schultz
Robert F. Heilbron	Frank H. Wiegand
Edward P. Jones, Jr.	

CLASS OF 1928

Maxwell F. Burke	Charles F. Lewis
Guy L. Chilberg	Albert E. Lombard, Jr.
Robley D. Evans	Elbert E. Miller
Edward R. Gilmore	William H. Mohr
Gunner Gramatky	Kenneth H. Robinson
Edward Joujon-Roche	Laurence E. Lynn
George C. Schmid	

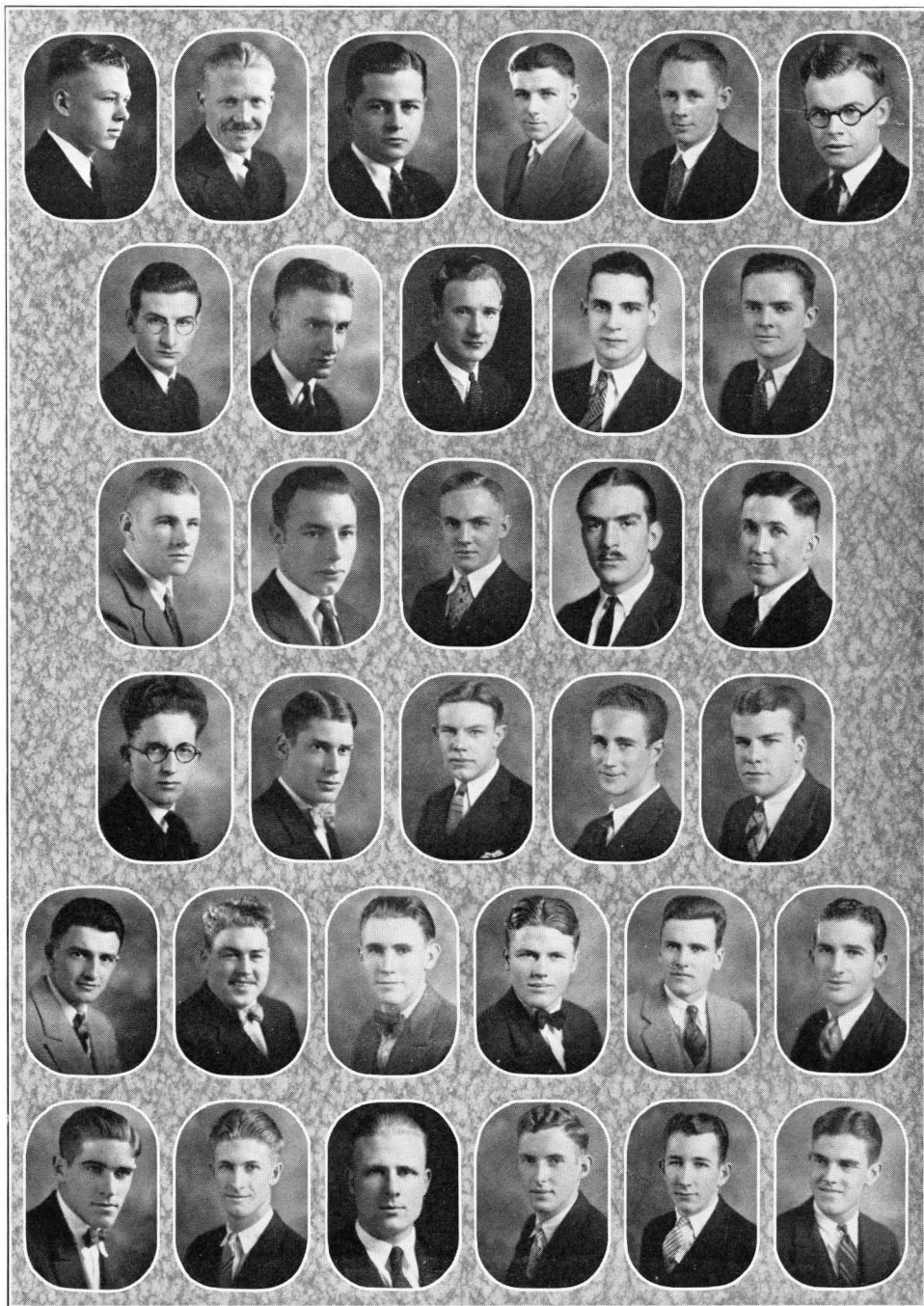
CLASS OF 1929

Alphonse Cramer	Karl A. Ganssle
Roscoe P. Downs	Harry A. Peterman
Thomas H. Evans	Douglas Perry
Sidney T. Exley, Jr.	Leslie O. Scott
Maurice H. Sinram	Fred A. Wheeler
Hubert M. O'Haver	

CLASS OF 1930

W. Walter Ayers	Robert M. Oaks
Franklin G. Crawford	Robert C. Ramey
Edward Dmytryk	Anthony G. Schuck
William D. Hacker, Jr.	Merrill D. Tucker
Walton Hubbard, Jr.	Andrew W. Wern
George E. Liedholm	Sidney Zipser

The BIG T of '27



Combs	Peterson	Rodgers	Wiegand	Darling	Heilbron
Ross	Mohr	Meserve	Haserot	Jones	Collins
Burke	Lewis	Schultz	Lombard	Gilmore	Copeland
T. Evans	T. Evans	Joujon-Roche	Robinson	Miller	Chilberg
Exley		Wheeler	Lynn	Ganssle	O'Haver
		Peterman	Downs	Scott	Cramer

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The BIG T of '27

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SIGMA ALPHA PI



Founded 1914

House: 399 South Mentor Avenue

FACULTY

Dr. William N. Lacey  
Prof. Graham A. Laing

Prof. Franklin Thomas  
Prof. George R. MacMinn

CLASS OF 1927

Mason A. Logan  
Frank A. Nickell  
Thurman S. Peterson

Lee W. Ralston  
Leonard W. Ross  
Frederick T. Schell

W. Layton Stanton

CLASS OF 1928

Thomas H. Brighton  
Kenneth R. Crosher  
Philip T. Durfee  
Richard G. Folsom

Wallace S. George  
William L. Olsen  
J. Conrad Scullin  
Milton H. Sperling

Huston W. Taylor

CLASS OF 1929

Wayne C. Allen  
John W. Daly  
Charles E. Dickerman  
Howard G. Dodge  
John S. Goodwin

Donald H. Johnson  
Elmer M. Muff  
Homer C. Reed  
Clinton M. Stickney  
John B. Sturgess

Alvin C. Tutschulte

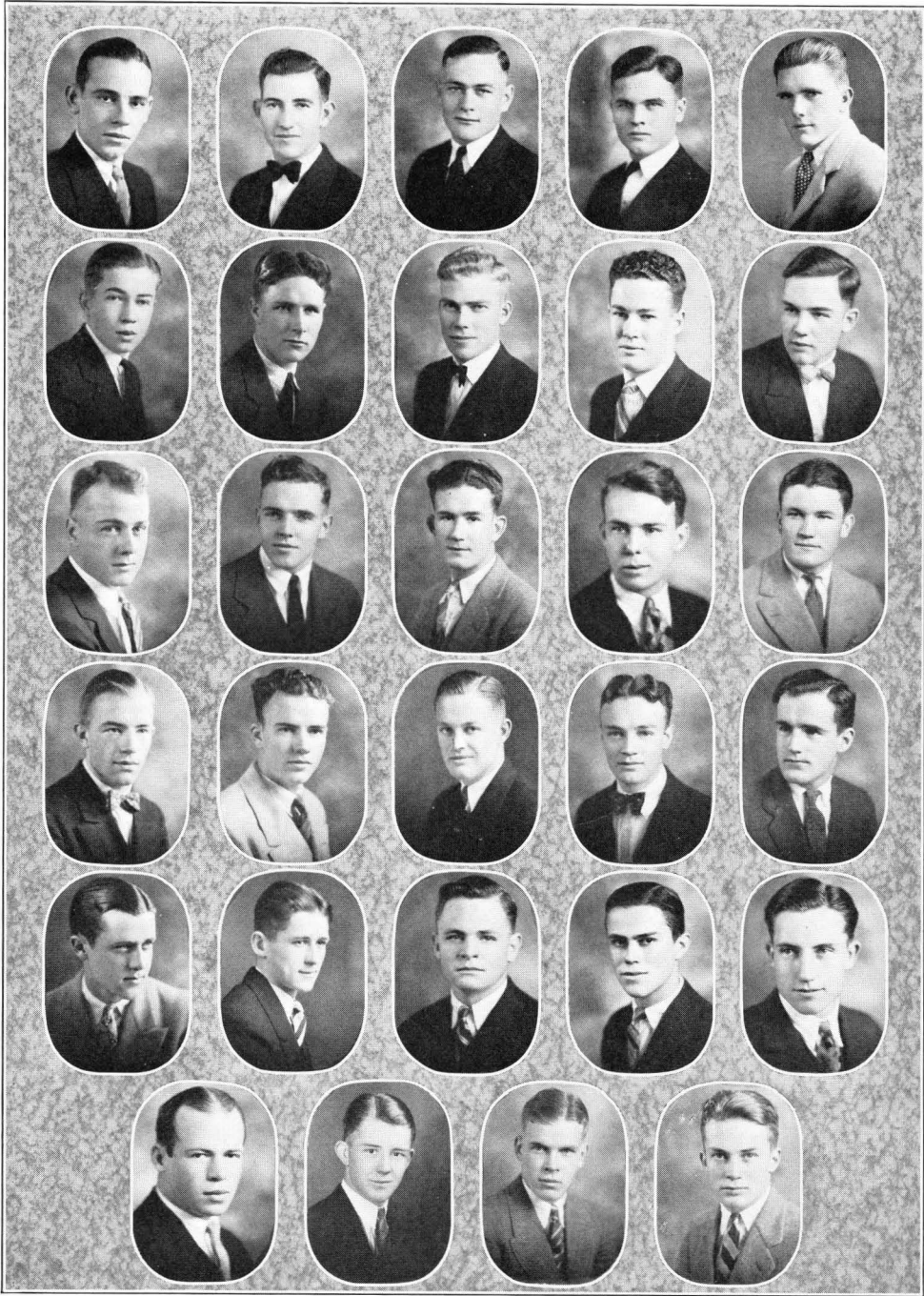
CLASS OF 1930

Frank E. Alderman  
Nelson M. Cordes  
John H. Crawford

Charles M. Herd  
Spencer W. Long  
Edward H. Uecke

Gordon B. Vance

The BIG T of '27



Ross  
Schell  
Goodwin  
Dodge  
Muff

Stickney  
Ralston  
Durfee  
George  
Sperling  
Watson

Tutschulte  
Nickell  
Olsen  
Crosher  
Kemp  
Reed

Dienerman  
Stanton  
Logan  
Johnson  
Brighton  
Allen

Sturgess  
Peterson  
Folsom  
Scullin  
Taylor  
Daly

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The BIG T of '27

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THE PHAROS



Founded 1921

House: 447 South Lake Avenue

FACULTY

Dr. Arthur A. Noyes  
Dr. Ira S. Bowen  
Mr. Robert T. Knapp

Mr. Donald H. Loughridge  
Prof. Howard J. Lucas  
Dr. Clyde C. Wolfe

GRADUATE MEMBERS

Alpheus M. Ball  
Herbert V. Ingersoll

Donald S. Stone  
Johannes A. Van den Akker

Hubert K. Woods

CLASS OF 1927

Ellery R. Baxter  
R. Carter Blankenburg  
W. Maxwell Bower  
Harry K. Farrar

George E. Moore  
Lewis E. Medlin  
Leonard L. Snyder  
Ralph M. Watson

CLASS OF 1928

Frank W. Bell  
Linton P. E. von Beroldingen  
William L. Berry  
William M. Jacobs

Ray K. Jacobson  
Douglas G. Kingman  
Ernest E. Sechler  
Baker Wingfield

CLASS OF 1929

Francis D. Bode  
Emory L. Ellis  
William B. Hatch, Jr.  
Robert H. Hull  
Kenneth E. Kingman

Homer G. McWilliams  
Donald B. Milliken  
Clyde E. Shields  
Morton K. Shields  
Paul M. Terry

Robert J. White

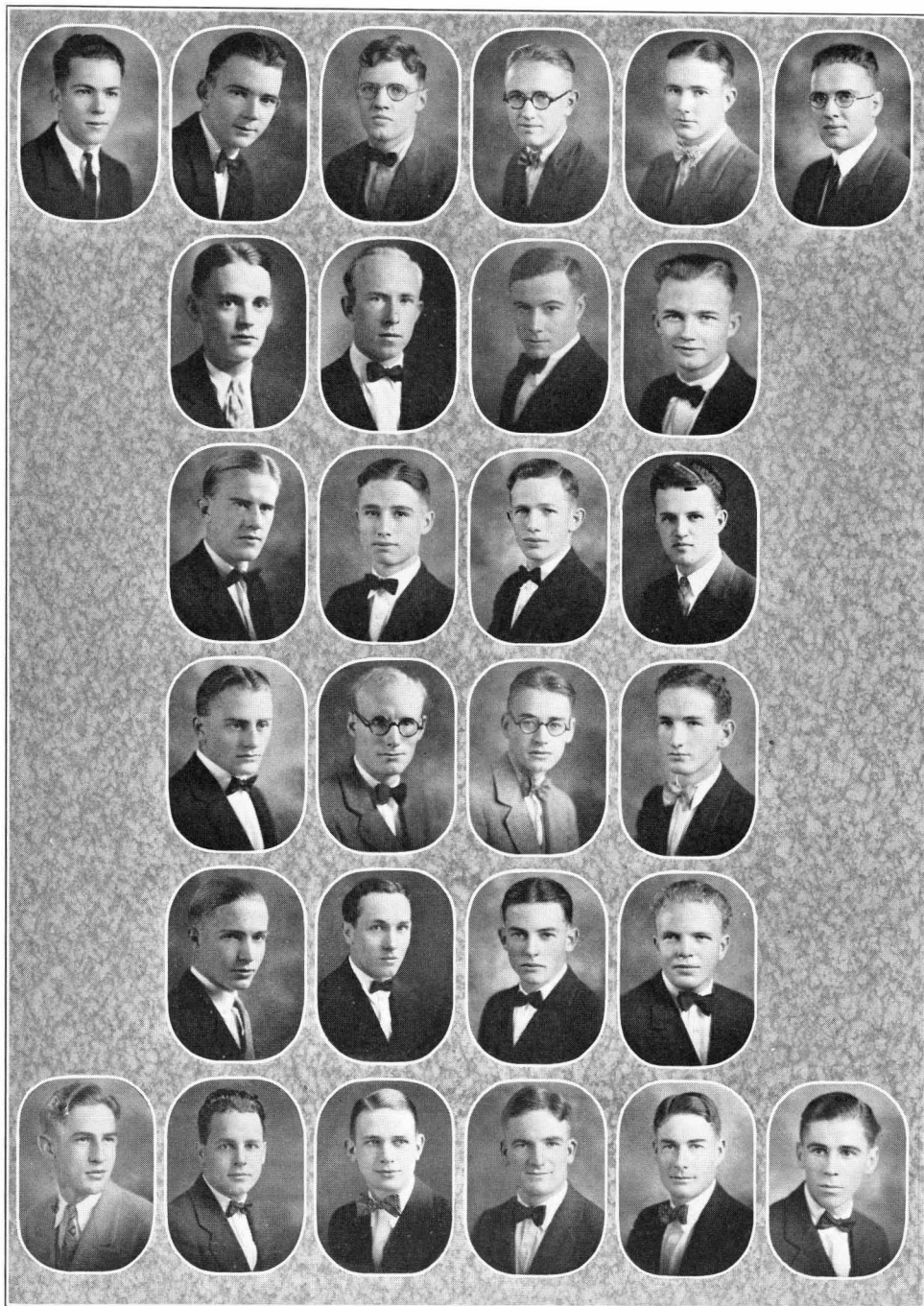
CLASS OF 1930

Howard E. Hopson  
William Morton

George A. Ross  
Austin W. Strong

James N. Walker

The BIG T of '27



Watson

Blankenburg  
Stone  
Jacobson  
Bode  
Sehler  
Ellis

Moore  
Wingfield  
Schwienfest  
Bell  
Hatch  
Terry

Farrar  
Snyder  
D. Kingman  
von Beroldingen  
K. Kingman  
C. Shields

Medlin  
Bower  
McWilliams  
Jacobs  
Berry  
M. Shields

Baxter

Hull

White

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The BIG T of '27

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PI ALPHA TAU

Founded 1921



FACULTY

Mr. Fred J. Converse  
Mr. Francis W. Maxstadt

Dr. Walter T. Whitney  
Mr. William D. Crane

CLASS OF 1927

Kenneth A. Belknap  
Alan E. Capon  
Fred J. Ewing  
C. Lewis Gazin

Thomas L. Gottier  
G. Robert Kaye  
William A. Minkler  
Howard R. Starke

John D. Shuster

CLASS OF 1928

Thomas H. Compton  
Ralph W. Cutler  
Harold M. Huston

Richard H. Duval  
Harry T. McComb  
Russel J. Love

C. Gordon Minkler

CLASS OF 1929

Harlan R. Asquith  
William W. Booth  
Benjamin A. Barre  
Frederick Cline

Willard A. Findley  
Walter B. Grimes  
John G. Gilbert  
George F. Weismann

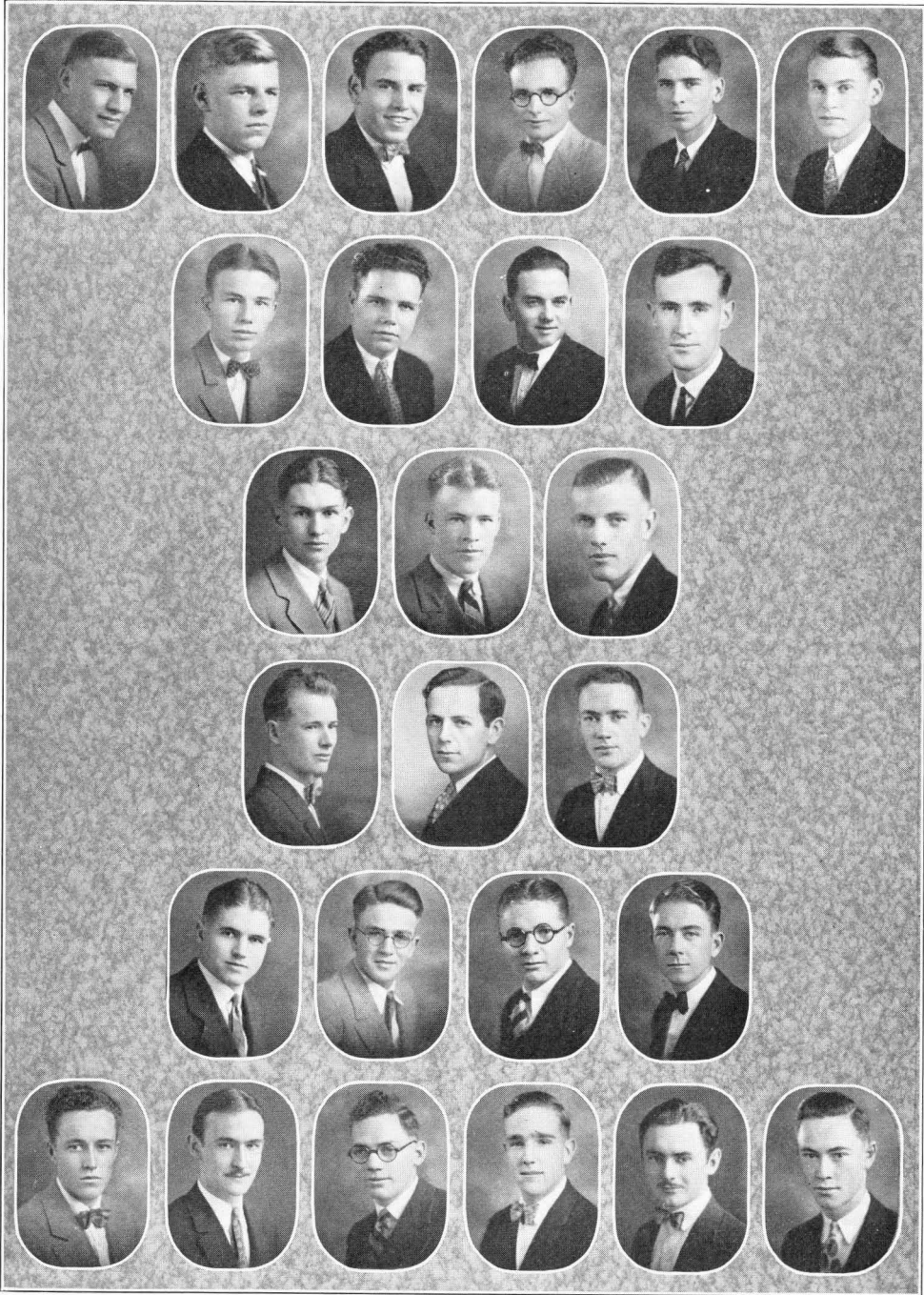
Donald K. Olson

CLASS OF 1930

Horace D. Allen  
W. Fred Arndt  
Roland C. Hawes

William F. Lea  
James H. MacDonald  
Nathan Whitman

The BIG T of '27



Starke

Shuster  
G. Minkler  
McComb  
Huston

Capon  
Ewing

Love  
Compton

W. Minkler  
Gottier

Cutler  
Duval

Belknap  
Gazin

Kaye

Weisman

Olson  
Barre

Booth  
Cline

Gilbert  
Grimes

Findley  
Corbin

Asquith



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The BIG T of '27

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GAMMA SIGMA

Founded 1925



FACULTY

Lieutenant-Colonel L. M. Adams                      Mr. Arthur H. Fleming  
Roger F. Stanton

CLASS OF 1927

Henry P. Anderson                                      Ward D. Foster  
Charles A. Bradley, Jr.                                 Ray I. Hall  
Mr. Louis W. Jones                                      William H. Krelle  
Forrest J. Lilly

CLASS OF 1928

Wilbert W. Baustian                                     Horace A. Campbell  
George R. Crane

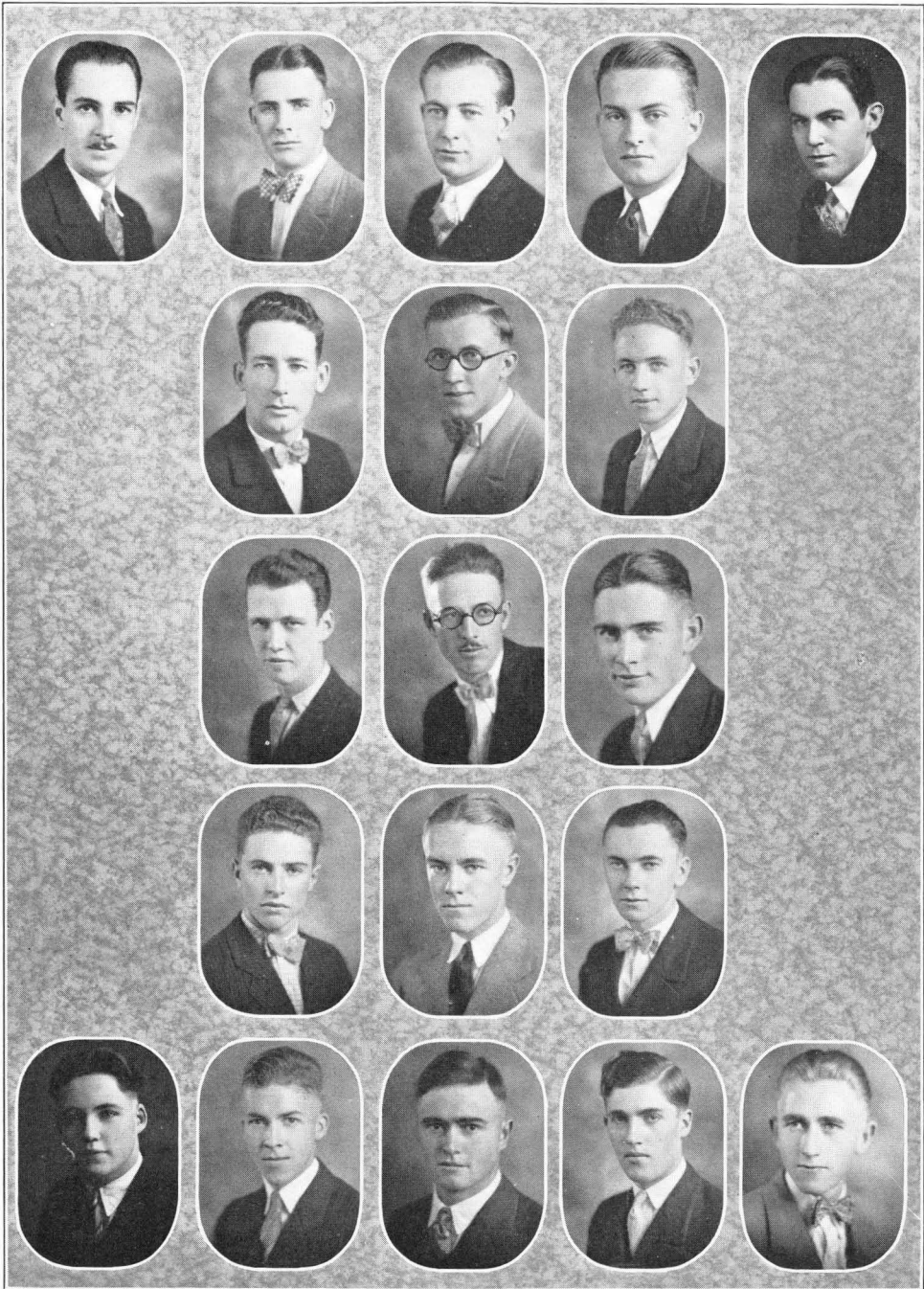
CLASS OF 1929

Eugene Atwater     John Shields  
Howard E. Baker                                         Arthur F. Walton  
Frederick W. Bewley                                     Charles A. Wiley  
Edmund G. Grant                                         Jeff A. Wineland  
Oswald F. Zahn, Jr.

CLASS OF 1930

Donald Grant     Fred Sherer  
Ernest Hillman     Robert Stroud  
Wendell Humphreys                                     John Towler  
Kenneth Miles     Matthew Triggs  
Harland Moss     Melvin Wixson

The BIG T of '27



Anderson

Bradley  
Hall  
Wiley  
Zahn  
Walton

Foster  
Baustian  
Grant  
Shields  
Wineland

Krelle  
Hughes  
Bewley  
Baker  
Atwater

Lilly

Thatcher

Crane

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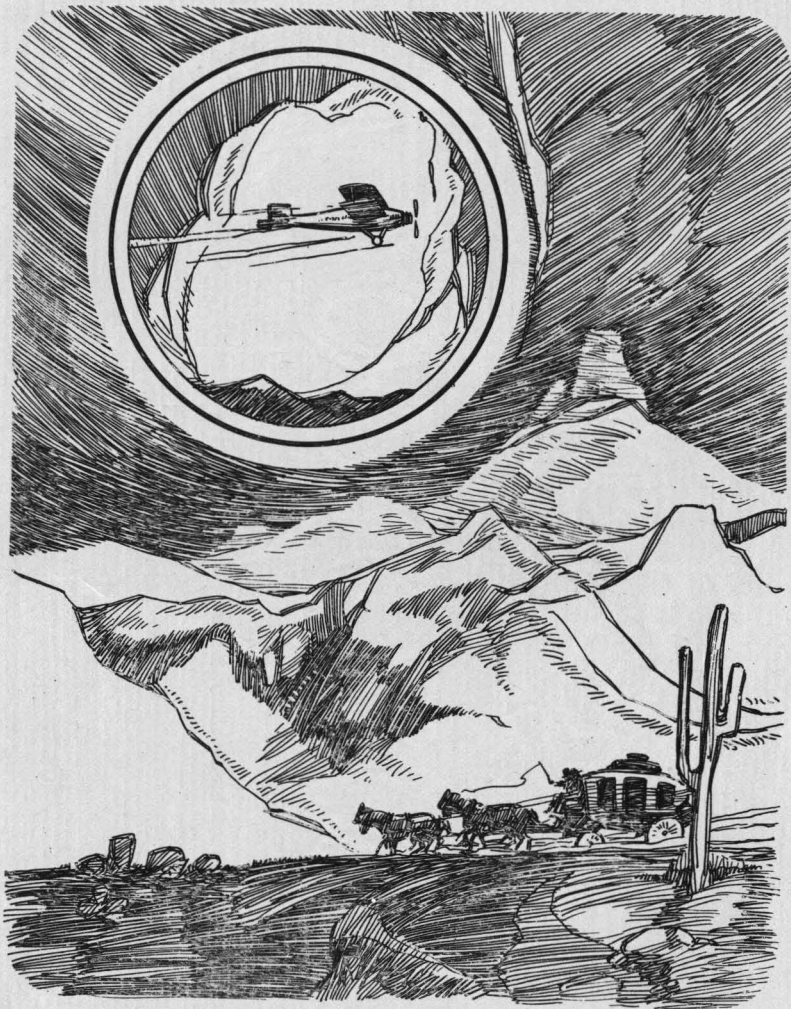
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HAIL C. I. T.

In Southern California with grace and splendor bound,  
Where the lofty mountain peaks look down to lands beyond;  
Proudly stands our Alma Mater, glorious to see,  
We raise our voices hailing, hailing, hailing thee,  
Echoes ringing while we're singing over land and sea,  
The halls of fame resound thy name, Noble C. I. T.



# ATHLETICS



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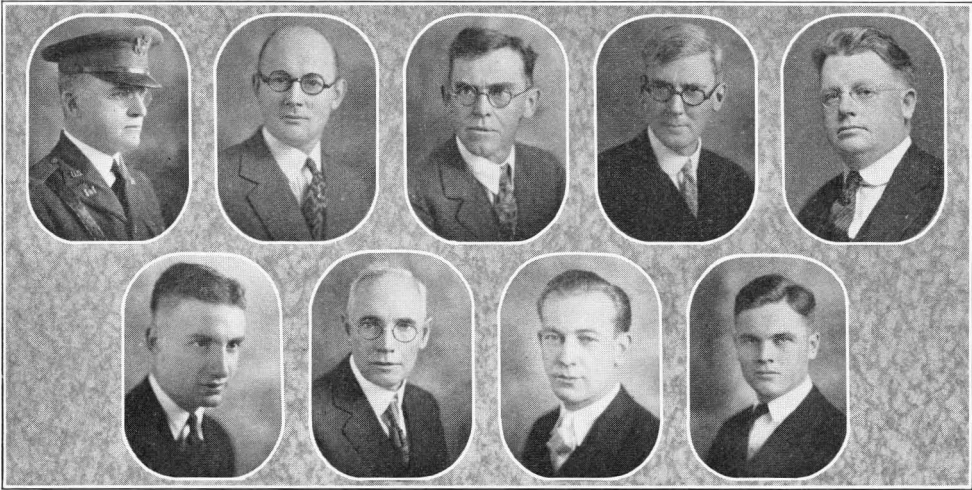
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The BIG T of '27

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ATHLETIC COUNCIL

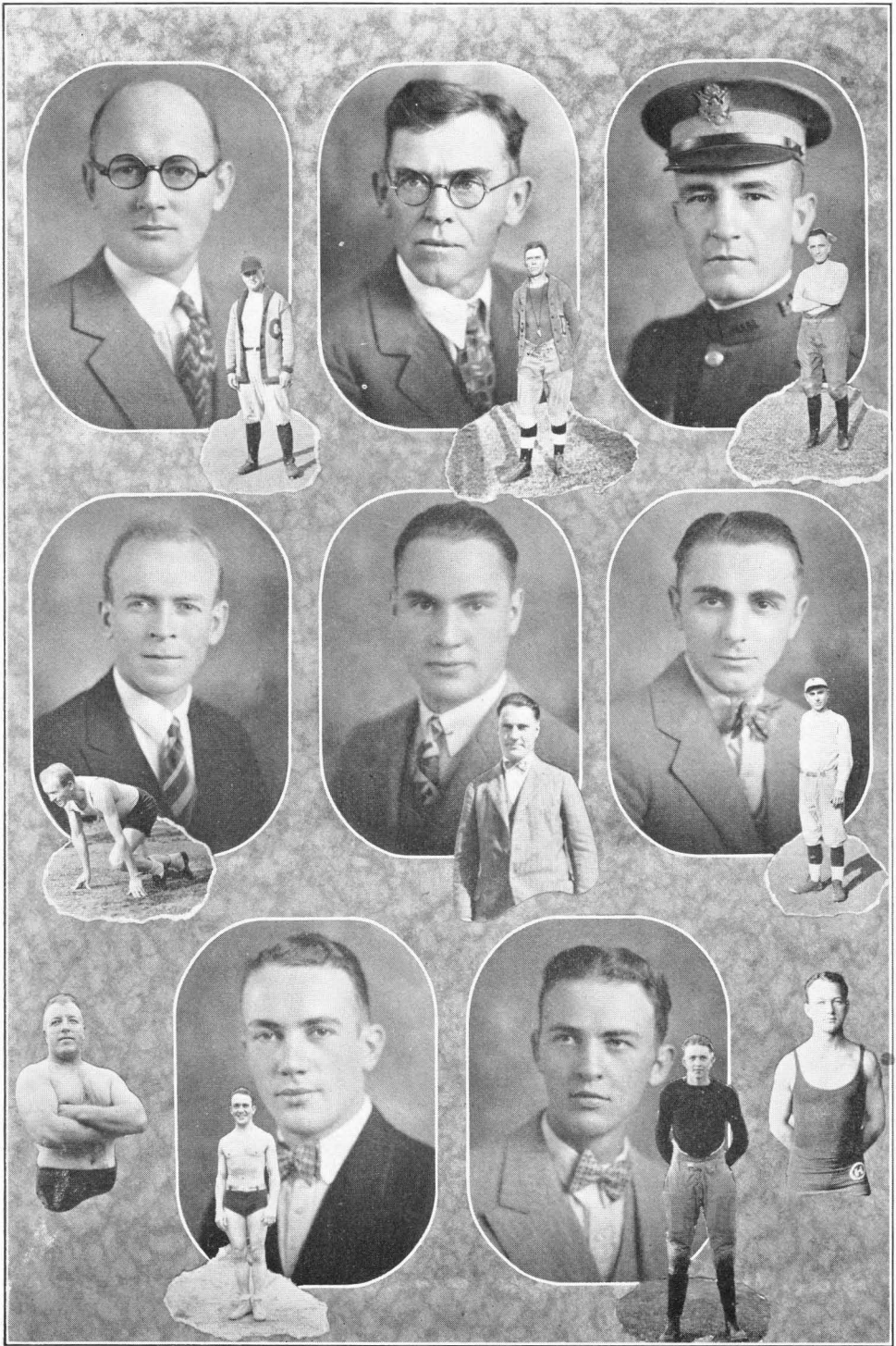


ADAMS            MUSSELMAN            STANTON            HINRICHS            SORENSEN  
MESERVE            CLAPP            FOSTER            STANTON

The guiding spirit of athletics here at the Institute is embodied in the Athletic Council, a group of ten men, of whom six are members of the faculty, and the remaining four of whom are members of the student body. The faculty members of the Council are Professor Sorensen, Chairman, Professor Clapp, Colonel Adams, Dean Hinrichs, Coach Stanton, and Coach Musselman. The student representation consists of the Student-body President and Athletic Manager, the Manager of the current major sport and one outstanding athlete who is chosen by the President. It is to this group of men that students at the Institute can give thanks for our efficient and broad athletic policy.

A representative of the Council attends all meetings of the Southern California Conference. Matters pertaining to intercollegiate athletic competition and the formation of the various schedules for the sports are arranged at these conference meetings. It is the Athletic council that represents Tech in these matters, and it is, therefore, through it that official athletic relations are established between Tech and various other Conference Colleges.

Since its origination, it has been the desire of the Council to have the largest possible number of men competing in the many sports given recognition at the Institute, and it is to this end that much energy is spent in the encouraging of intramural and intercollegiate competition. The importance of the position of athletics here at Tech gives mute testimony to the success of the ideal, and the type of athletic competition certainly attests the value of the policy to the students as a whole. The Physical Education Department has expanded its field of endeavor through the work of the Council and the benefits of the physical examinations conducted under its auspices are untold, as is amply shown by the high physical condition of the greater part of the Tech Student Body. Our Athletic Council is a fine body, with a fine ideal behind it.



MUSSELMAN  
SUTTON  
GRIFFIN

DUVAL

STANTON  
EVJEN

SEYMOUR

CLATERBOS  
POMPEO  
VAN DEN AKKER

## COACHING STAFF

“Mind over Matter”, a short phrase surely, but one having a deep meaning, and one which forms the basis of the spirit, which under the present coaching staff has been instilled into the Tech teams of the past few years, and made of them such fighting machines. The growing interest in athletics has made necessary frequent additions to the coaching staff, and eight men now give their time to the development of the various branches of athletics.

Coach Stanton, varsity football and track mentor, is easily the most capable and efficient man that has ever held these positions. A man of long experience and broad understanding, his psychology and constant efforts have accomplished much in the field of intramural and intercollegiate athletics. Coach Stanton has the peculiar ability of taking men physically unfit for varsity competition and developing them until they are ready for athletic accomplishments. The men who acquire his mental attitude toward life are doubly fitted to meet and overcome the problems met after graduation.

Coach Musselman is the man behind the varsity baseball squad, and to him is due the credit for the fine spirit and skill demonstrated by the Tech teams. He has also been of great assistance to Coach Stanton by virtue of his work as coach of the scrub team. Coach Musselman, in his further capacity of Graduate Manager, has been of immense value to the Athletic Department, by his efficient work in keeping the teams so well equipped.

Lieutenant Claterbos, a man of long and varied experience as a basketball player and coach, and an enviable record is his, has this year taken over the varsity basketball squad. He has inculcated the true spirit of competition into his men, and has proven himself an excellent mentor, in every respect. His experience as a football player has made him invaluable also as football line coach.

Stu Seymour, who has had charge of the Freshman football squad for the past two years is deserving of much praise for the work he has done for his men. It has been his responsibility to prepare men for future varsity positions, and he has done his work well.

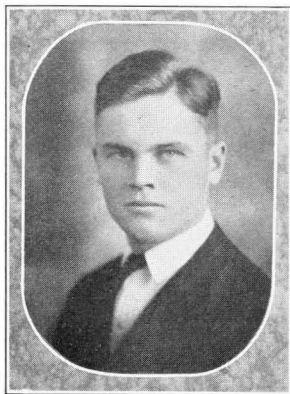
Domenick Pompeo, who came to the staff this year as Freshman baseball coach, has done very creditable work. He has developed the Freshman squad in such a way as to make of them valuable additions to future varsity teams.

Coaches Griffin and Evjen have aroused great enthusiasm for boxing and wrestling, as is shown by the fine turnout of men for these classes. Excellent boxing and wrestling teams have been developed since these men have been added to the staff. Dick Duval, as Assistant Wrestling Coach, has played no inconsiderable part in the work of this department. The graduate students, who through their interest in the work, have assisted the coaches, have been of material value.

The mental attitude of the students toward athletics, and their participation in them is a reflection of the success of the coaching staff. Students at Tech are fortunate indeed to have an opportunity to work under coaches who can put into athletics the ideals of real sportsmanship.



## WHEATON TROPHY



W. LAYTON STANTON

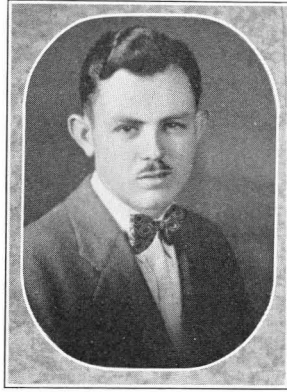
The Wheaton Trophy, the highest award that Tech gives to a football man, signifying as it does, that the winner stands highest as a leader in sportsmanship, highest in moral influence upon the team, and high in scholarship, was awarded this year to Layton Stanton.

Mr. L. W. Wheaton, a graduate of Yale, and now with the T. V. Allen Co., of Los Angeles, is the donor of the cup, and by his interest in Tech sports has endeared himself to all Tech men, past and present. His cup stands as the objective of every man who wears a football suit.

Football in the true sense of the word, represents the highest type of athletic endeavor, and must be played as such. The Wheaton Trophy has done a great deal to raise the plane of football here at Tech to the high position it now occupies. The awarding of the cup follows an expression of the will of the entire squad, since it comes as a result of direct vote.

Layton Stanton, third winner of the Cup, has earned his honor well. For three years his influence on the team has been great, and as Captain in this, his last year, he carried his team through victory and defeat with the goal of sportsmanship ever before him.

RAWLINGS TROPHY



ARTHUR ALLYNE

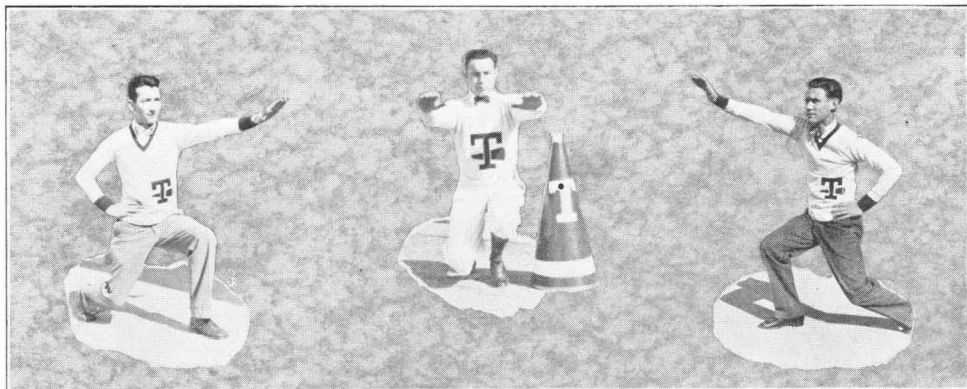
Art Allyne, winner of the Rawlings Trophy for the 1926 Baseball season, well deserved his honor. The Rawlings Trophy, the highest honor that may come to a Tech baseball man, is awarded to the man who has been of greatest influence in molding his team. Such a man was Art Allyne.

The Rawlings Trophy was presented to the Institute by the Rawlings Manufacturing Company of St. Louis, and is given each year, by direct vote of the baseball men to the man standing highest in sportsmanship, moral influence, individual improvement, and ability.

Every man who goes out for baseball has a chance to win the Trophy, and with such an award as his goal, all baseball men are given an added incentive to put into their game those ideals for which baseball stands. Baseball has long stood for honorable sportsmanly playing, and such is the game we strive for at Tech.

Captain Allyne, one of the best third-basemen ever developed at Tech, played a great game. He could be counted on to snag anything that came his way, and a good many that didn't. Many are the teams that would have felt better if they had not seen Art holding down his bag. He has gone on to bigger battles, and we wish him success.

### YELL LEADERS



SCOTT

SCHULTZ

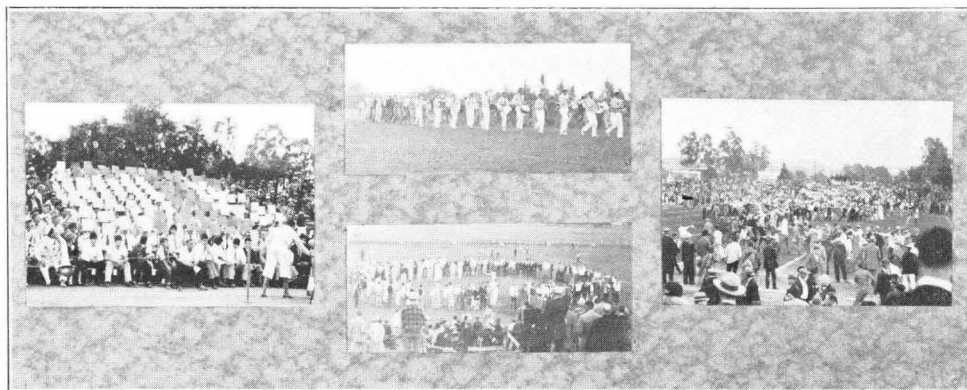
WHEELER

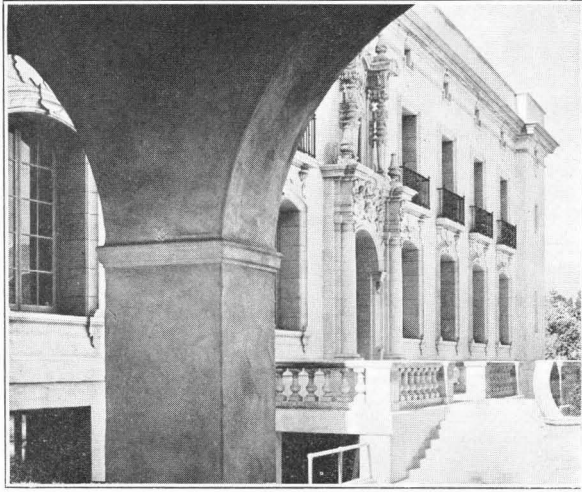
To the Yell Leaders falls the lot of getting the Student Body out to the games, and having gotten them there, making them yell. The morale of the team, of any team, depends greatly upon the spirit of the students behind it, and so it is a matter of no small consequence to see that enthusiasm is inspired in every member of the Student body.

This year Murray Schultz as Yell Leader and Fred Wheeler and Leslie Scott as Assistant Yell Leaders have done their duty well. In assemblies, at games, and everywhere, these three have pepped up the students, and kept them at a pitch of excitement throughout the different seasons. Furthermore they have developed a good many new yells, and improved the time and method of giving yells.

It has been some few years since Tech rooting sections have been as large as during this past year, and it has been equally as long since so many bleacher stunts have been successfully tried.

So we say, great credit to our Yell Leaders, for they have kept us going the entire year, have been to every game, have made us want to yell, and having inspired the desire, have made us cheer as we ought to cheer.



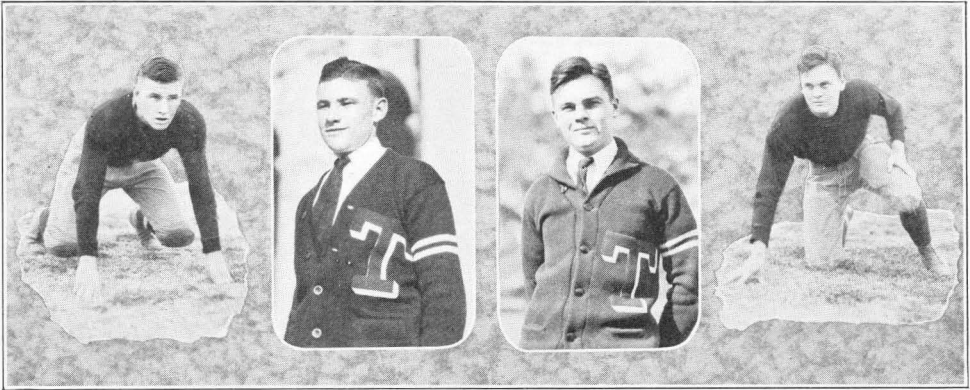


# FOOTBALL

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## The BIG T of '27

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CAPTAIN-ELECT MOHR

CAPTAIN STANTON

Layton Stanton, the man who led the Engineer Team this year as its captain has played his last game for Tech. Three years as a varsity man, three years a triple threat man feared throughout the Conference, three years a Tech player in every sense of the word, make up the record that is his. As Captain, he led a fighting team to a high position in the Conference.

Bill Mohr, Captain-elect, has proven himself well fitted to lead the football team through the 1927 season. For two years at tackle, Bill has played a smashing game, whether on defense or offense. He has the ability to break through the opposing line, and he knows the how and why of football. The team chose wisely and well when they elected Bill as their Captain.

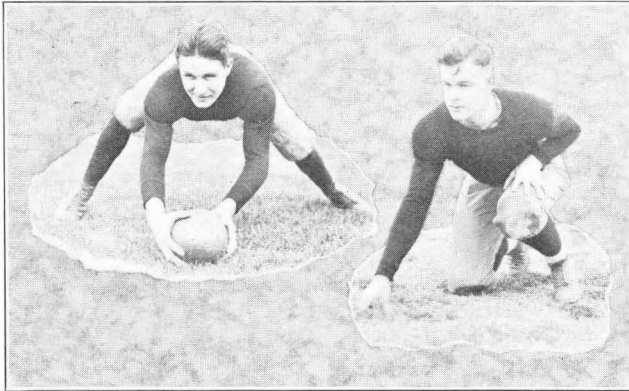
The spirit of the football team this year was certainly all that could be wished. Whether in victory or defeat, the team was characterized by a splendid mental attitude. The principles that go to make a fighting team were certainly evident in the Engineer eleven, and Tech finished the season dangerously close to the top of the Conference as a result.



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# The BIG T of '27

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DURFEE

HEILBRON

## STANFORD 13, TECH 6

Football was under way this year long ere the hinges on the doors of learning had been oiled. On September twenty-fifth, the Beaver varsity played the Stanford Cards in their own pasture, and held them to the low score of 13-to-6. It was only a practice game but it certainly startled the House of Warner.

There is nothing in the world so fine as a stone wall line, and in this first game of the year, with but two weeks' practice behind them, the Beaver line gave everything they had, and they seemed to have a whole lot. Time and again the Stanford charges were repulsed. A large part of the game Tech was on the offensive, and the Engineer team outcharged the Cardinals and for a good deal of the time, the ball was in Stanford territory. In the backfield Stanton was playing up to usual form, and contrived to decisively outkick his rivals. Along towards the end of the second quarter, Cravitz recovered a Stanford fumble, and crossed the goal line for the first Tech score of the 1926 season. Tech's first venture into the north, to play a really big northern team was a success from start to finish, and the benefits of the trip made themselves evident throughout the entire football season.

## CHRISTIAN COLLEGE 0, TECH 37

California Christian College furnished the opposition for the second practice game of the year, and brought over a fast and brainy team to do the opposing. The Christian boys are a light team but they know their football and seem to enjoy it. While the Beaver went through them for the alluring score of 37-to-0, the whole team was fighting all the time to do it. The trick plays that later characterized the Engineer team were not yet perfected and the terrific gains made against the Ministers were the result of straight fundamental football.

Due to greater weight, and superior strategy, the Engineers pushed across the C. C. C. line with encouraging regularity, and by consistent plunging, passing and running, managed to make six touchdowns, keeping the Ministers on the defensive throughout the game. Coach Stanton took this opportunity to send in his second and third string men, and so got a line on his reserve stock. The fact that the reserves scored the greater percentage of points was pleasantly indicative of the potential strength of the reserve forces.

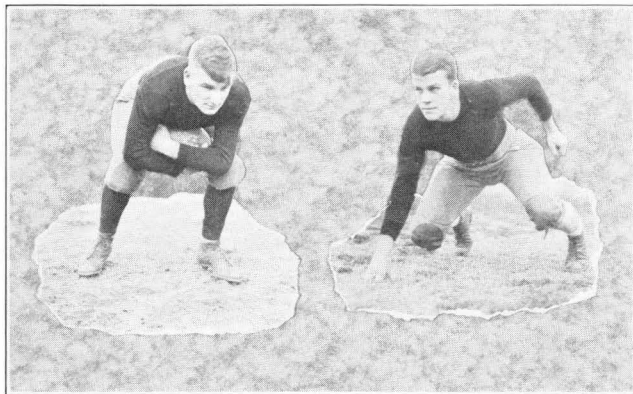
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The BIG T of '27

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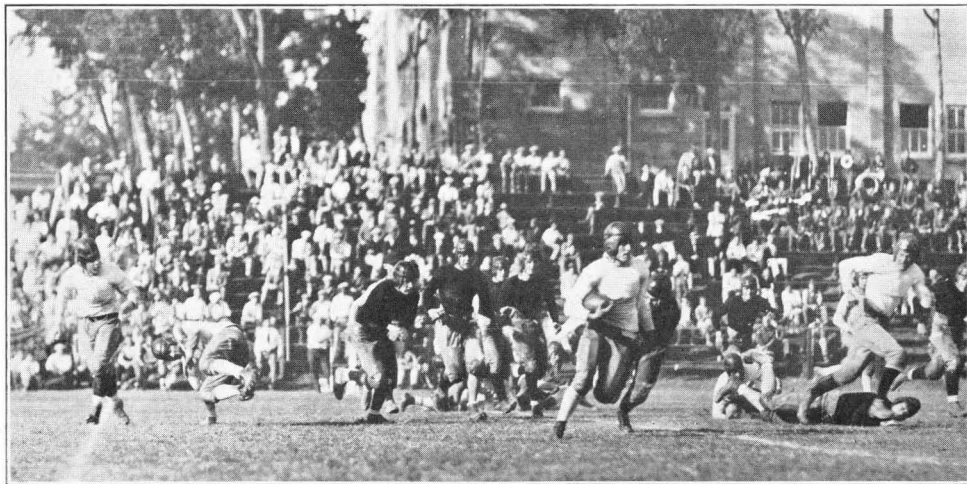
C. SHIELDS

CHILBERG

WHITTIER 13, TECH 6

Tech dropped the first Conference game to Whittier by a score of 13-to-6, on October ninth, at Whittier. The Engineers went to the Poet Institution expecting a hard fight, but the recollection of Stanford and Christian College was fresh in their minds, and they were guilty of over-confidence. There is no question about who had the better team, but the Engineers were not playing real football and they lost the game as a result.

The whole game was replete with passing and long open field runs. The Quakers outcharged the Beavers and made substantial gains too frequently. Tech made her only score early in the first quarter, and then played the defensive for two quarters during which time, Whittier, with some flashy bucks and passes, managed to score twice. It was in the fourth quarter that the Beavers, having apparently learned the necessity of every player taking his man out, really found itself, and then it was that the Poets were sent up the field as though they were headed for a Quaker Camp Meeting. It was a great rally, and gave some indication of the real strength of the team when working as a whole.

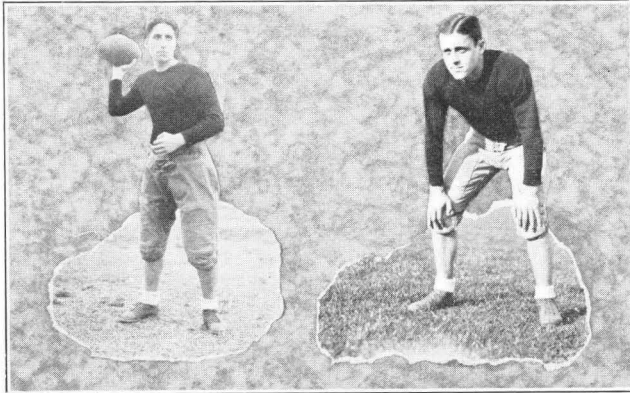


A BATTLE ON THE WHITTIER FIELD

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# The BIG T of '27

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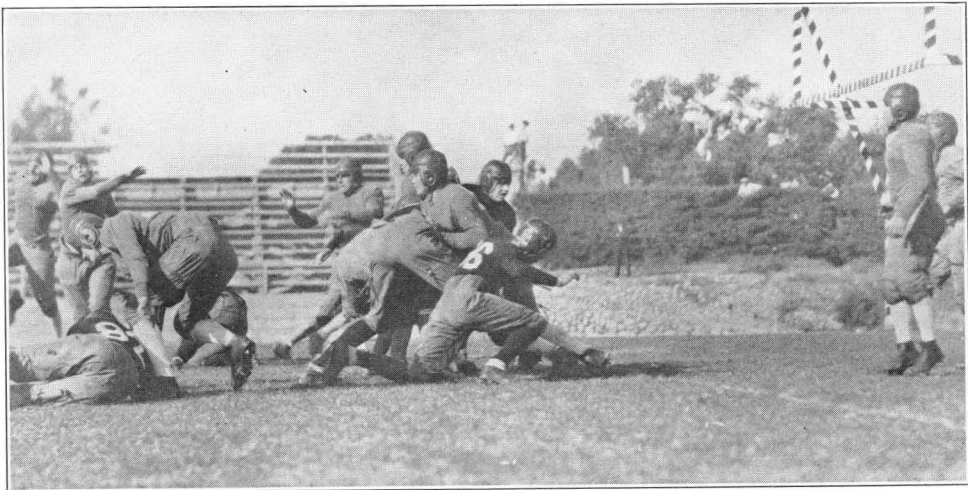
CRAVITZ

MUFF

## POMONA 27, TECH 7

A good day for the Pomona Sagehen and a bad one for the Beaver appeared to be October sixteenth. Five hundred strong, the Engineers went tearing over to Claremont with the avowed intention of throwing feathers all over the foothills.

The Claremont aggregation won the game for two reasons. First, they got the breaks, and second, they outplayed the Beavers in nearly every department of the game. Passing was the order of the day, and while Tech attempted as many as did Pomona, the latter did cleaner work, and completed more, in addition to intercepting some of Tech's. Pomona's backs, too, seemed to experience but little difficulty in going through the Beaver line, and some discouraging gains were made that way. The Engineers pulled themselves together in the third quarter and after snagging a Pomona fumble, bucked their way across for six points from the thirty yard line. During those three or four minutes Tech really outplayed the Sagehens, but they slumped again. It took Whittier and Pomona to teach the Engineers to take their man out, but they certainly learned, and used the knowledge gained in all the remaining games of the season.



FIGHT, TECH, FIGHT!



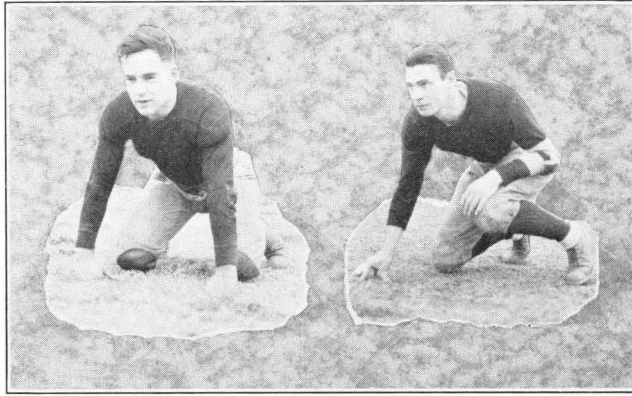
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The BIG T of '27

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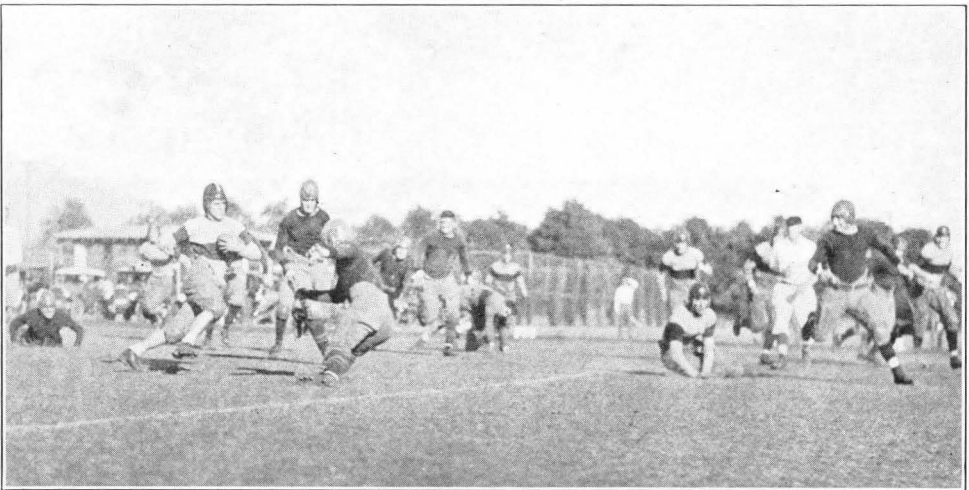
FOLSOM

JONES

OXY 14, TECH 25

For some years Tech has been actively engaged in the business of spilling Conference leaders, and this year business was exceptionally good. Occidental stalked over to Tournament Park with the idea of victory in her head, but her head was not all there. Read on, for the game ended 25-to-14 for Tech.

It took the Beaver just three minutes to knock the spots out of Oxy's conceit. With backfield going galore, and the line playing havoc with Oxy's defense, the Engineers plunged down the field to victory. From Tech's point of view the game was full of trick plays and passing on the offensive, and characterized by a stone wall line when on the defensive. A season's heavy practice evidenced itself and by dint of real football Tech crossed the Bengal goal line three times in the first half, and once again in the second. The Tigers were taken off their feet by the swift attack of the Beavers and did not recover until the second half, when they made two touchdowns. The Beaver's pivot play never worked to better advantage, and it was the same with lateral passes or any other kind the Engineers felt like trying.



MUFF TRIES BROKEN-FIELD RUNNING

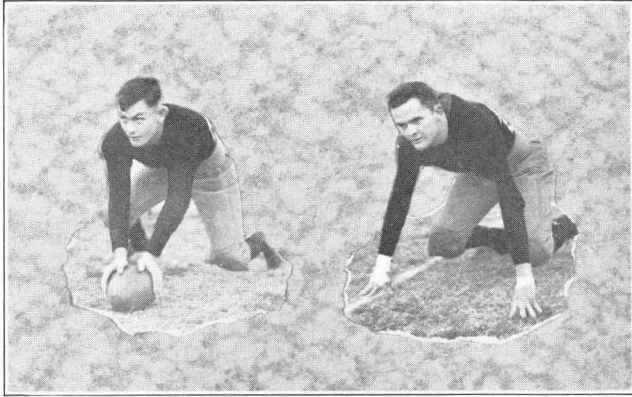
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The BIG T of '27

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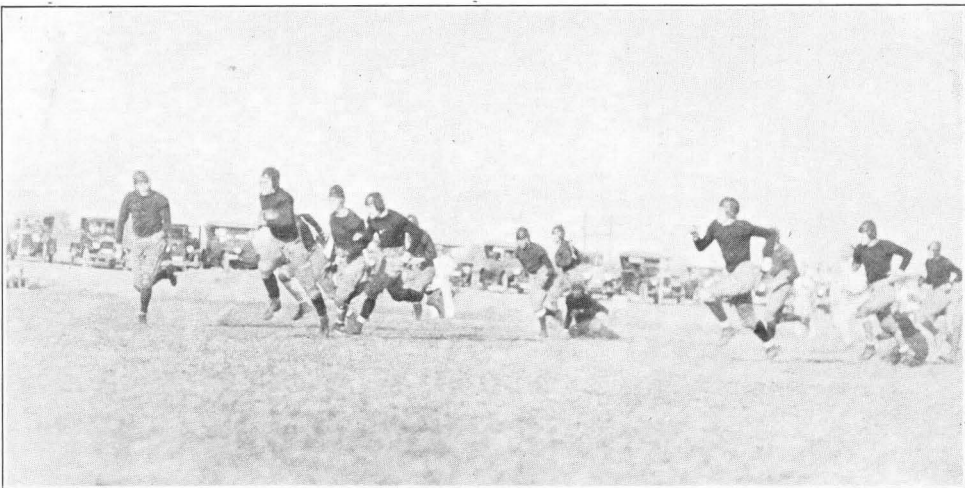
NICKELL

COLLINS

REDLANDS 0, TECH 30

On November 6th, fired by a desire to prevent Redlands from winning from Tech three times running, the Engineer football machine invaded the Bulldog's territory and by playing a consistent and driving game, so decisively turned the tables, that the final score showed a 30-to-0 victory for the Beavers.

The Tech backfield was working beautifully, and its passing attack going great. The line consistently outcharged the Bulldogs and completely smothered their plays. Starting early in the game the Beavers shoved and almost pulled Redlands down the field. The only way Redlands ever threatened the Beaver's lead was by the deadly accuracy of McGilbra's passing attack. The game was featured by long runs on both sides, Stanton and Muff making exceptional gains for Tech. For some years Tech has been searching for an efficient converter, and the Redlands game produced one, Muff making four conversions out of four attempts. By removing the Redlands jinx, right after having beaten Oxy, Tech proved conclusively that she had progressed to the efficient stage, and that over-confidence was no longer her trouble.



STANTON GOES FOR A TOUCHDOWN

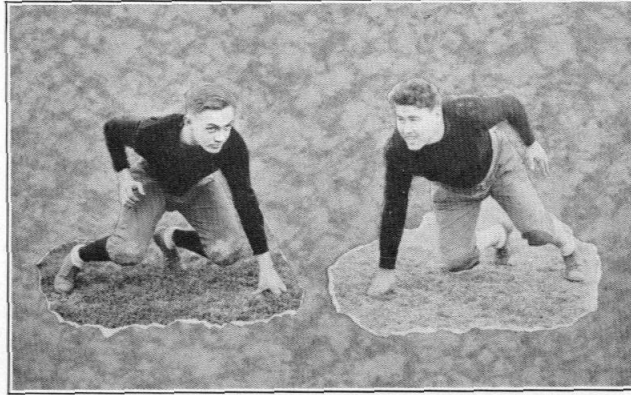
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The BIG T of '27

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LOMBARD

LEWIS

S. B. U. C. 3, TECH 7

On November thirteenth, Tech went to the Branch to prove again the unalienable right of the Beaver to defeat the Branch, be she Grizzly or Bruin. It was with a great deal of satisfaction that the Engineers, for the second consecutive season, knocked the Bruins off the top of the Conference ladder, doing it this time to the beautiful tune of 7-to-3.

Repeating the Oxy procedure, Tech, with a series of terrific line bucks, crossed the Bruin goal in the first five minutes of play. The speed of attack was too much for the Californians, and they had to stand and watch. Later, in the second quarter, the Bruins pulled themselves together and made their lone three points by one of the niftiest place kicks ever seen in the Conference. All through the second half, the Bruins were on the defensive, bobbing up now and then with spectacularly long passes. Tech threatened their goal two or three times again, but the Bruins only threatened Tech once, when they had the ball on Tech's one yard line, and then lost it on downs. May the memory of Tech's stone wall never fade.

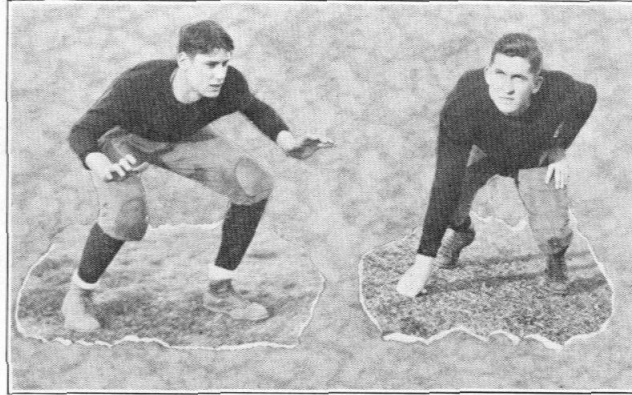


A PLAY THAT WORRIED TEDDY BRUIN

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The BIG T of '27

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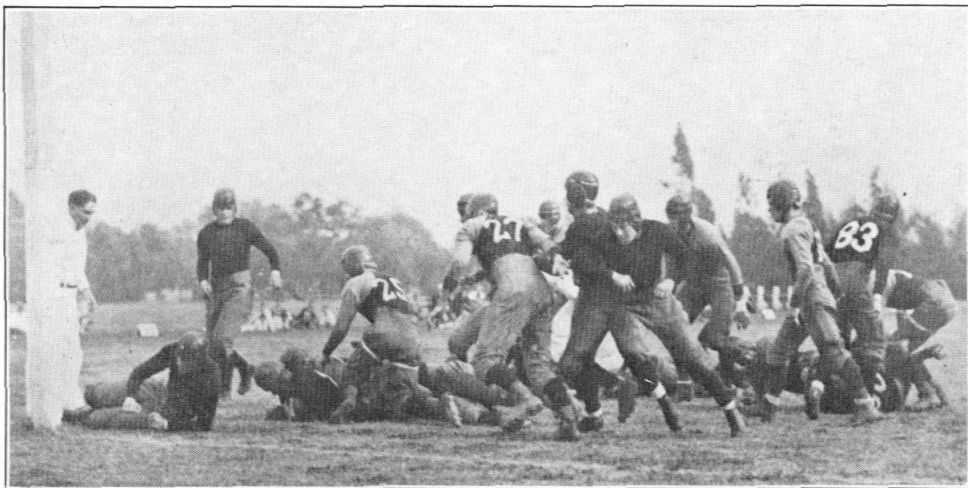
JOUJON-ROCHE

COPELAND

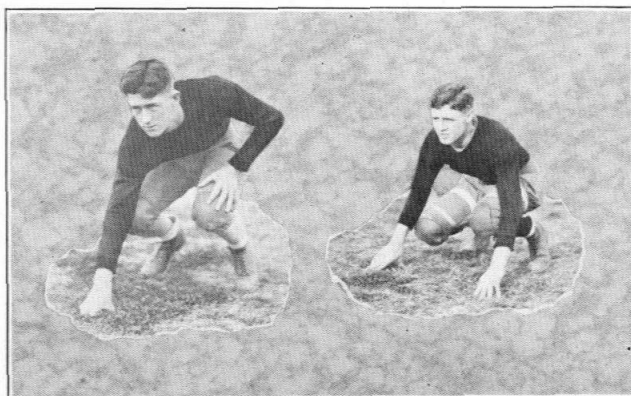
CAL-AGGIES 6, TECH 6

On Thanksgiving Day the Tech Varsity journeyed to Sacramento to try and revenge themselves on the Calif. Aggies for the latter's victory of a year ago. The Engineers went North fresh from a victory over Southern Branch, and were in the best of form for dry-land playing, but were not dismayed by the sea of mud that lay over the football field. Although the condition of the turf prevented the Beavers from using their shift and open plays to advantage, they were able, by consistent driving, to keep the ball in Aggie territory most of the time. The Aggie line, accustomed to the mud, held the Beaver offense from making great gains to cross their line, but due to fumbling they could not get past the Tech defense when they did have the ball.

Near the end of the first half the Beavers made the one costly fumble of the game, and an Aggie recovered and ran for a touchdown. After three field goal failures, the Engineers started playing the way they did against Oxy and the Bruins, and shortly before the whistle, Tech crossed the line to tie the score, 6 to 6, in the last game of a whirlwind season.



THE CHRISTIAN COLLEGE GAME



WATSON

MOORE

### SCRUBS

Cal Tech closed the 1926 Football season with a feeling of success—the success universally accorded a fighting team. Behind the Varsity, throughout the entire season was the Scrub team, fighting with the same determination as that Varsity. Much of the credit for the season's success is due these men, for it was they that each week learned a new set of plays; that furnished the opposition for the moulding of the varsity into a machine able to anticipate the opponent's plays. The scrubs appeared on the field equally as consistently as the varsity, took the same punishment during practice, and when games were at stake, took as their reward the knowledge that they helped prepare the way.

These men made up the Tech Scrub Team: Ends, Whittington, McFaddin, Fredendall; tackles, Creveling, Atwater, J. Berman; guards, Kuhn, Langsner, Cline; centers, Newcomb, I. Berman; fullbacks, Love, Patterson, Gordon; halves, Shaffer, Haserot, Austin; quarter, Olson. These are the men that played football for the love of playing it; that played through a long season just to give the varsity the practice they needed to put it over. It can well be said that the spirit of the Scrubs was the true spirit of the Beaver.





## FROSH FOOTBALL

Starting the season with only a few men out, Frosh football enthusiasm rapidly grew until, by the time the Coach was ready to put them into a game, the Frosh team was one picked from a large number of fighting young Engineers. The Frosh class turned out with plenty of beef and lots of pep.

The first practice game of the year, with Fullerton Junior College went the wrong way, but the Frosh showed plenty of fight, playing well on defense, and having good success with their end runs and passes. This defeat only served to stir them up, and when they met San Diego Army and Navy Academy, they showed their power by winning 12 to 6. They had learned to hang onto the ball, and their line had begun to take on a stonewall aspect. Both touchdowns were made in the last quarter when a world of fight overcame the Academy's lead.

On October 30th, the Frosh went to San Diego and dropped their first conference game to the State Teachers by a score of 41 to 0. The Teachers took an early lead and the speed of their attack stunned the Beavers. Tech played a defensive game throughout, and it was not until the last quarter that they tightened up enough to hold San Diego.

At Redlands, November 6th, Tech again tasted defeat, this time at the hands of the Bull Pups. Redlands had a superior attack, and a strong defence, and coupled with that their men carried the ball like veterans. The Beavers tried end runs, line bucks, and passes to no avail, and it was only by coming back with splendid fight that they held the Pups to a 28 to 0 score.

November 20th, the U. C. L. A. Bruin Babes trimmed the Frosh 26 to 0, in one of the most hard fought and best played games of the conference. The Bruins were strong and well organized, but Tech had the most fight. The Branchers made their markers in the first three quarters, as the Beavers tightened up in the fourth to such an extent that they couldn't be scored against. As in other games, they had the determination, but it came too late to give them the victory.

Captain Tucker, Miles, Dmytryk, Cordes, Boyle, Alderman, Triggs, Jansen, Liedholm, Wixson, Herd, Hesse, Towler, Kuhn, Stroud, Ayers, and Manager Hacker, received their numerals, and richly deserved them, for they are true Tech fighters.

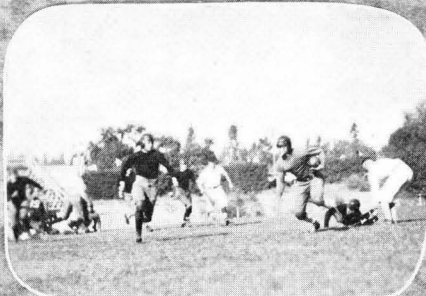
The BIG T of '27



CAL. CHRISTIAN COLLEGE



U. C. L. A.



HIT OR MISS



BLOCK & TACKLE



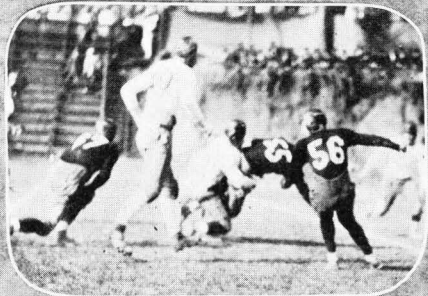
POOR OXY!



THE GENTLE GAME



TOO MANY MEN  
?



ALMOST!



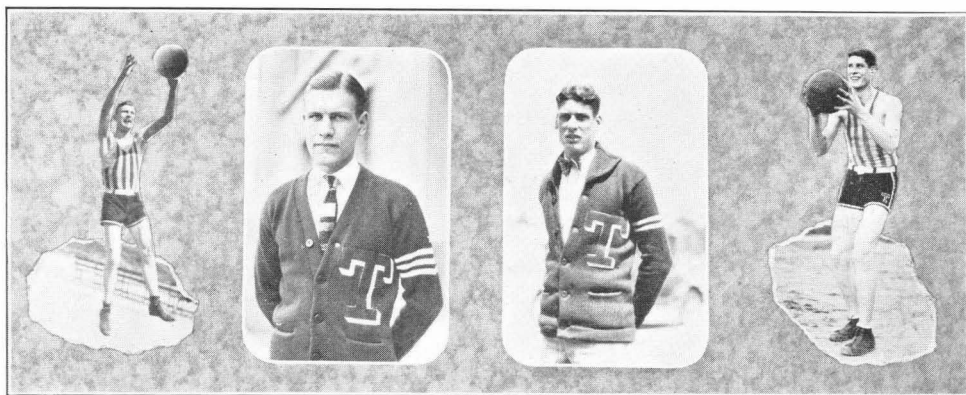
# BASKETBALL



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# The BIG T of '27

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CAPTAIN STARKE

CAPTAIN-ELECT JOUJON-ROCHE

When Captain Starke was elected last year, it was expected that he would be the shining light of the team this season, but because of doctors' orders he was forced to stay out of the game almost entirely. He showed his spirit however by remaining out for the team, in spite of such odds, and inspired the team by his efforts. It is such a fighting spirit that enables the Beavers to go against stronger teams and still come out the winner, or achieve honor in defeat. Howard Starke has given three years to Tech basketball, a true man from start to finish, and we like to think of him as embodying the Beaver fight.

Captain-elect Joujon-Roche, with his height, and skill, and fight, made himself invaluable to the team the past two years. At times it appeared as though he was covering the whole court by himself, and his jumping ability came in very handy on both the tip-off and the snapping of back board shots. His three years experience in basketball have given him a level head and a store of basketball knowledge; his fighting heart and his influence on the rest of the team have made him the natural and proper man for the Captaincy. His is the opportunity of leading a fighting 1928 basketball team.



CUTLER, FREDENDALL, CRAMER, O'HAVER, KRELLE, JOUJON-ROCHE  
STARKE, GORDON, OLSON, SINRAM, CLATERBOS

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## The BIG T of '27

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CRAMER

CAPON

WATSON

"The introduction of a new coach, and consequently a new system of play, at Tech this year, has made this season one of development rather than one of results. The short pass, short shot, five-man defense system used is difficult to master in one season. At times during the season flashes of excellent playing were shown, but several games were lost by small margins due to the failure of offense when within scoring distance. Lack of experience in varsity competition, and of a practice floor near the college also handicapped the team considerably. Next year, with a season of play under the new system behind them, and with the men more accustomed to big game competition, the team should stand a great deal higher in the conference." In thus summing up the basketball season, Coach Claterbos came very near to telling the whole truth. It is no small task to so abruptly change the tactics of a team, and the accomplishments made the first season can well be viewed with satisfaction.

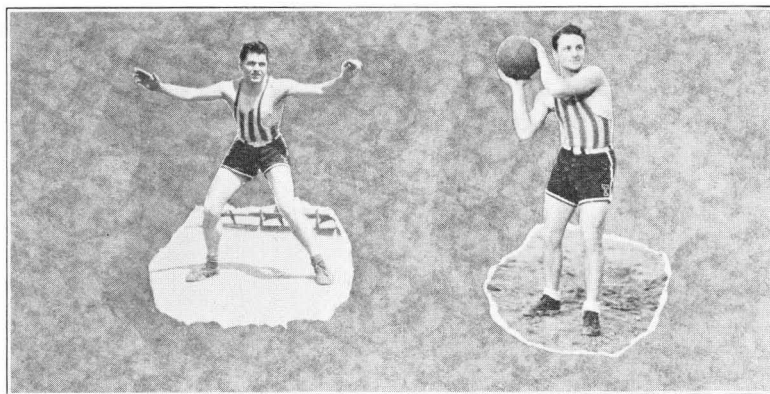
The appointment of Lieutenant Claterbos brought out a large group of new men, and it was early discovered that these new men assimilated his ideas more readily than did the older men. The experienced men had gained their experience under the old system, and consequently encountered more difficulty with the five man defense, than did the younger aspirants. As a result, the line-up included but two lettermen, Joujon-Roche, whose height proved indispensable at center, and Thurman Peterson, at forward, where his shiftiness and speed showed to advantage. Among the new men, Al Cramer lined up well with Pete at forward, and Red Watson and Joe Gordon were stationed as guardians of the basket. A well rounded series of practice games were played to better learn where our weaknesses lay, and by the time the conference opened, it was a waiting and ready Beaver aggregation that went into the games.

The first conference game was with our ancient rivals, none other than Occidental, and it was a splendid battle from the start. During practically the whole game Tech trailed the Tigers by not more than two baskets, and hard earned baskets they were. The working of our team was an exhibition of wonderful fight and determination, and the five-man defense forced Oxy to resort to long shots, in which they were proficient. On the defense, the Beavers had difficulty in getting co-ordinated, and the basket proved elusive. Even with the final score in Oxy's favor, 31 to 28, the gallery called it a great game, as it was evident that a new and stronger Beaver was being put into the field.

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## The BIG T of '27

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OLSON

GORDON

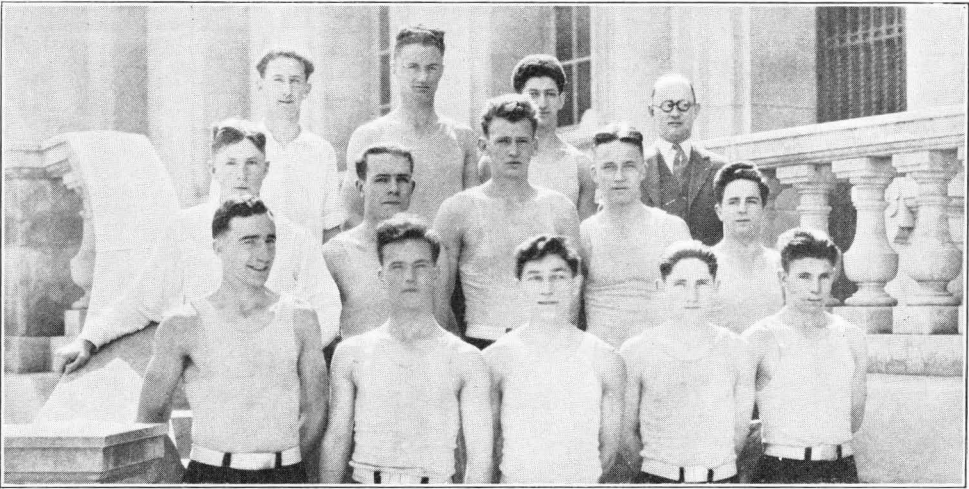
In the second game of the circuit, we were clearly outclassed. The fast Bruin outfit showed a fiendish ability to hit the basket with either long or short shots, and their passing was above par. Tech really found herself in the second half, and by playing a brilliant game was able to partially overcome the Branch lead. Two or three times the Engineers took the ball on the tip-off and passed it down the floor for a basket. Such flashes serve to indicate the strength that is ready to be brought out in the team, and the score, 24 to 16, can be overlooked in anticipation of another year.

The team went to Whittier severely short-handed by the sickness of Cramer and Watson, and though their positions were capably filled by Olson and Fredendall, Tech came home with the short end of a 39 to 17 score. Excellent shooting and team work on the part of the Whittier squad was the keynote of the game. Much the same situation was noticeable in the San Diego game, which Tech dropped 36 to 20 on account of poor shooting. San Diego made most of her points on long shots while the Beavers made their's on short ones. The team put up a rousing scrap, but they paid the price of inexperience.

In the first few minutes of the next tilt, with Pomona, it looked very much as if the Beaver was going to reverse the decisions of their previous struggles but the team blew up after about ten minutes of real basketball, and couldn't seem to get together again, with the result that they again brought home the smaller share of the score. Pomona was able to run up a score of 38 to 25 because they had the ability to make baskets from anywhere on the floor, and because they could break up our offense.

As is usually found to be the case, the last game of the season, at Redlands, was one of the best played. The teams were evenly matched, and not until the final whistle blew, with the score 24 to 22, was anyone sure that Redlands would or could win. The Beaver defense was good and tight, their passing was much better than in other games, and their ability to hit the basket was a thorn in Redland's side. We lost by a small score, but a fighting Beaver team kept the Bulldogs right on their toes.

Tech is proud of her basketball team—proud of the showing they made—proud of the fight they put up. Captain Starke, Captain-elect Roche, Olson, Watson, Gordon and Cramer certainly earned their letters, and a deal more.



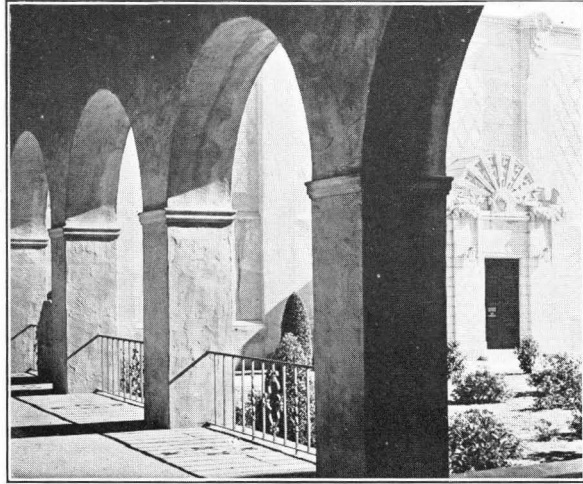
### FROSH BASKETBALL

Starting with one of the largest turnouts ever accorded a freshman sport at Cal Tech, the Frosh basketball team experienced a remarkably successful season. Twenty-six men turned out at the first of the season, and the greater share of them were still in it at the end. Though they had but one hour of practice every day, and that hour at a most inconvenient time, and though the entire squad felt the effect of an epidemic of influenza at mid-season, they ended the conference competition with plenty of enthusiasm and fight.

The frosh put in a long hard season of practice with a liberal sprinkling of practice games to get them in the right shape. Some of these games turned out the right way and some of them the wrong way, but the team was constantly learning things about basketball that will stick with them as long as they wear a basketball suit. The first practice games, with Glendale High, and Citrus Union High, were lost by rather heavy scores, but served to indicate where the weaknesses lay, and so by the time Alhambra came along, the men had so improved their shooting and floor work, that they sent the opposition home with Tech on the pleasant side of a decisive score. A little later on they treated the Los Angeles Y. M. C. A. to the same thing.

The first conference game was with Whittier, and the Tech pea-greeners sent the young poets down the line to the tune of 28-16. The frosh basket work was enough to incite the envy of the varsity, and they played a great game on both defense and offense. The games with Oxy and Redlands were not so encouraging as both were lost, but the team work of the frosh was constantly improving and they put up a good fight in each case. The thing that was evident throughout was the constant ironing out of the early season difficulties.

Folckemer, who hails from the East, was elected captain, and he filled his position to perfection, being high point man in every game. Allen, Liedholm, Oaks, Boyle, and Cohen, made up the rest of the team, and these men richly deserved their numerals. They had the old Beaver spirit and fight, and they kept the rest of the conference worried all the time. We are proud to claim them as Tech men and we know they will make real additions to future varsity teams.



TRACK

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The BIG T of '27

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CAPTAIN SCHULTZ

CAPTAIN-ELECT LYNN

Captain Murray Schultz has run his last race for Tech, and he can look back upon four years of real service to his college. He has been the Jonah of the rest of the conference in all of the dashes and has been high point man in more meets than one. As captain this year, he showed real leadership and every man on the team has received something of the spirit that has made him such an outstanding athlete. It is the dream and work of Coach Stanton to turn out men of fighting calibre; men who make a clean struggle; men who reflect credit upon their college—such a one is Murray Schultz.

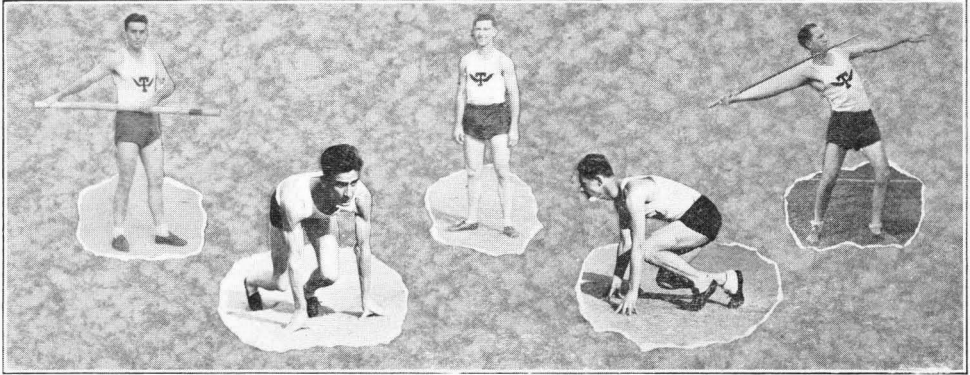
Captain-elect Laurence Lynn has won his letter twice in track, and in his work at Tech he has earned the confidence of his teammates to the extent of making them want him as their captain for the 1927 track season. One of the best four-forty men Tech has ever developed, Lynn has worked constantly for the good of his College. In meets he has given every ounce of his strength to put over a winning fight. He has real responsibility ahead of him, but he is of the stuff that makes leaders of men. We wish him the success that he so richly deserves, for he has earned his title.



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## The BIG T of '27

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CREVELING

MESERVE

RALSTON

DARLING

ANDERSON

The Beavers won, 72  $\frac{1}{3}$  to 66  $\frac{2}{3}$ , from Hollywood Athletic Club, in which meet Forster defeated twice-national-high-hurdles-champion Dye, and then outdid themselves to win from Whittier 110  $\frac{1}{3}$  to 29  $\frac{2}{3}$ , in the first conference meet. Schultz was going great guns to defeat Pendleton, and Hoover set a new school record, which he later surpassed, in the javelin. It was a great meet, with Tech taking not only firsts, but seconds and thirds as well.

In one of the most thrilling meets Tech ever won, the Beavers got the edge on Oxy to the tune of 73  $\frac{1}{2}$  to 66  $\frac{1}{2}$ . School records were sent sky high when Murray Schultz stepped the century off in 9.7 seconds, and Eddie Jones made a leap of 21 feet 7  $\frac{3}{8}$  inches. Both teams were running neck and neck until the relay, the deciding event, and the result of that was in doubt until the last hundred yards. Tech put up a great fight, and won a great meet, showing that the favored team cannot always be counted on to win.

Although Pomona was able to produce a team which beat the Engineers 84 to 56, they had to stretch themselves to do it. Like the Oxy meet, the Beavers played havoc with former school records, for Hoover heaved the javelin for a mighty distance of 189 feet, 11  $\frac{1}{2}$  inches. Tech grabbed first in the 100 yd., 220 yd., and 440 yd. dashes, and if a trick of fate hadn't caused Perry, star hurdler, to trip on the last

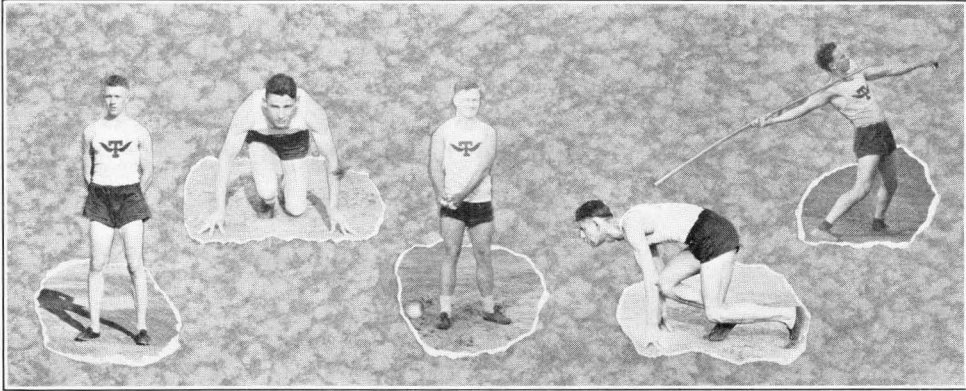


SCHULTZ WINS AT S.B.U.C.

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## The BIG T of '27

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COMBS

JONES

NICKELL

FORSTER

HOOVER

hurdle, Tech would have won that event as well. It was a fighting team playing a losing meet.

The Conference meet ended with Tech in third place with  $26\frac{1}{2}$  markers against Pomona's  $56\frac{1}{2}$ , and Oxy's 36. Disappointment was keenly felt when Schultz failed to break the conference record in the century, and when neither Anderson or Hoover bested the record for the javelin. Tech showed up well enough to keep the rest of the conference worried, and the whole team put up fight enough to win a dozen like it. Schultz of Tech, and Tanner and Scovel of Oxy divided first honors, each making ten points.

Captain Schultz, Capt.-elect Lynn, Darling, Perry, Meserve, Jones, Hoover, Anderson, C. Shields, M. Shields, Forster, Nickell, Bell, Ralston, Combs, Gramatky, and Creveling were awarded their letters in track this year, and they were a team of men that Tech students will recall with respect for many a year. They brought honor to their school, and the feeling of achievement to themselves. Some will graduate this year, some return; all have given of their best.

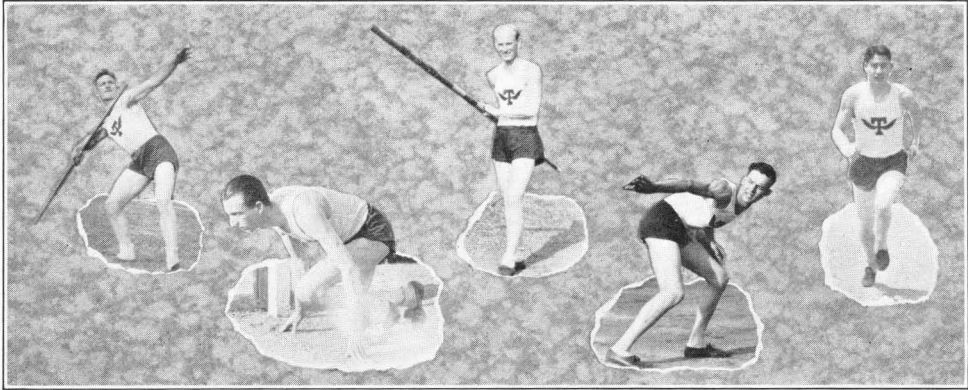
May 30th, fifteen of Tech's best tracksters reported at Fresno for the Raisin Day Relay Carnival, and it turned out to be the Engineer's big day. The team was



A CLOSE PASS IN THE POMONA RELAY



# The BIG T of '27



C. SHIELDS

PERRY

BELL

GRAMATKY

M. SHIELDS

entered in the Class B competition, and the entire squad was in a competing mood. Murray Schultz ambled through the century in 9.8 to win his event by a good lead. A little later the four man half-mile relay team, composed of Meserve, Lynn, Darling, and Schultz, covered themselves with glory by tying the Pacific Coast record for the event, their time being 1:29.5. In the high hurdles, Forster managed to nab a fourth place, and Hoover placed fifth in the javelin. Another streak of bad luck kept Perry from placing in the high jump, as he sprained his ankle at 5 feet, 10 inches. Eddie Jones turned in a broad jump of 22 feet, 4 inches, thereby gaining a fourth place. The four man mile relay, made up of Combs, Lynn, Darling, and Meserve struck a true chord by winning in 3:27.2. The two mile relay team, Ralston, Miller, Gewertz, and Baustian played in bad luck and took a fourth. The team returned in possession of an 18-inch loving cup, and every man who took a first was given a fine Elgin wrist watch. It was a big day.

## COLLEGE RECORDS

EVENT	HOLDER	RECORD	YEAR
100 Yard	Schultz	9.7 sec.	1927
220 Yard	Schultz	21.3 sec.	1926
440 Yard	Lynn	51.3 sec.	1926
880 Yard	Henderson	2:05.6	1925
Mile	Keech	4:31.4	1924
2 Mile	Keech	9:52.2	1924
120 Yard., High Hurdles	Pomeroy	14.8 sec.	1926
220 Yard., Low Hurdles	Perry	25.4 sec.	1927
High Jump	Perry	5 ft., 11 in.	1926
Broad Jump	Jones	21 ft., 7 <sup>1</sup> / <sub>8</sub> in.	1927
Pole Vault	Graham	13 ft., 2.16 in.	1926
Hammer	Moyse	146 ft.	1924
Shot	Edwards	43 ft., 6 <sup>3</sup> / <sub>4</sub> in.	1926
Discus	Edwards	124 ft., 6 <sup>3</sup> / <sub>4</sub> in.	1926
Javelin	Hoover	189 ft., 11 <sup>1</sup> / <sub>2</sub> in.	1927
Relay—Mile	Meserve, Pomeroy, Schultz, Lynn	3:25	1926



SHUCK, EFFMAN, TUCKER, ELY, CROMLEY, JANSSEN, HOEPEL, SCOTT, DMYTRYK, SUTTON, *Coach*  
WILSON, RAMEY, WILKINSON, OAKS, NORDEN, AYERS, BOOTH, ROSS, LEA  
VAN BEVEREN, HOPSON, BUNGAY, TRIGGS, MOYERS

### FROSH TRACK

This year the Frosh team, though not sensational, put up a very creditable performance. The turnout at the beginning of the year was exceptionally good, and their only noticeable defects were lack of experience, and a shortage of candidates for one or two events. Even though they did lack in knowledge of track competition, and even though their records seemed low at first, a season of conscientious and persistent training rounded them out in fine shape. Toward the end of the season the improvement was indeed more evident than is usual with Freshman track teams.

In a dual meet with the strong Alhambra High School team, the Frosh were left with the short end of the score. Their lack of experience proved fatal to them in this case, as one of the severe setbacks of the day was the losing of the four man relay. Though lost, the meet proved invaluable, for it showed where lay the weaknesses, and gave them a taste of real competitive work. In this meet, Ayers, Triggs, Morton, Booth, Ramey and Lea showed up very favorably.

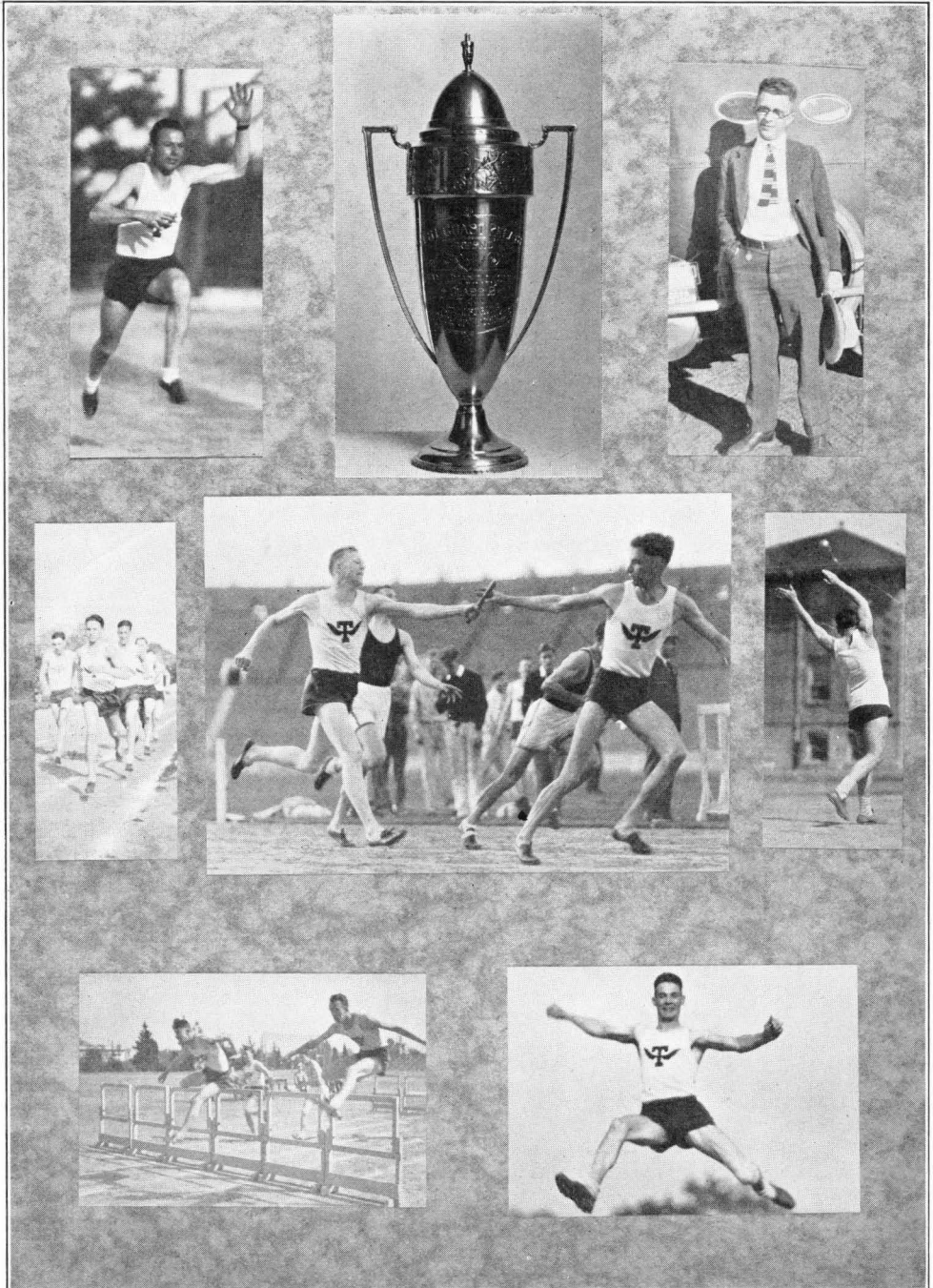
The Frosh next met the San Diego Army and Navy Academy track team, and with the memory of their earlier defeat to spur them on, they surprised the San Diegans by winning the meet by a comfortable lead. Their experience gained earlier in the season stood them in good stead. It was a fighting team that won the meet, and the whole team turned in good marks. In the AAU relay carnival at the Coliseum, the frosh managed to grab two thirds and one fourth against stiff competition. The Branch Frosh were able to stifle their hopes to some extent in the next meet. The Engineers lost, but not without a fight. They had the spirit and in the next years, they will have had the experience. They again turned the table by defeating So. Pasadena High School in the closest meet of the season, 58 to 55.

Their record may not be impressive, but is certainly an up and coming one. It is from those who start to train in their first years that Tech must draw most heavily for her track stars of the future. The Student body was glad to award numerals to: Ayres, Dmytryk, Oaks, Ramey, Booth, Frye, Hopson, Morton, Norden, Ross, Lea, Triggs, Wilkinson, Wilson.

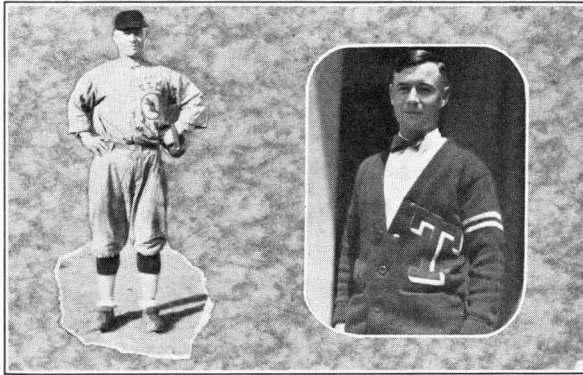
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The BIG T of '27

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## BASEBALL



CAPTAIN SNYDER

In spite of a rather lean turnout at the first of the season, the Tech horsehide artists developed themselves sufficient to have earned a tie for second berth in the conference. The squad was made up of about half returning men, and about half from last year's frosh squad, and from these Coach Musselman was able to choose a team, that as individuals, knew baseball. He turned them into a machine that frightened Oxy, and triumphed over La Verne, Whittier, and Pomona. Pinky Snyder was elected captain, and he has been an inspiration to the team he has led this past season.

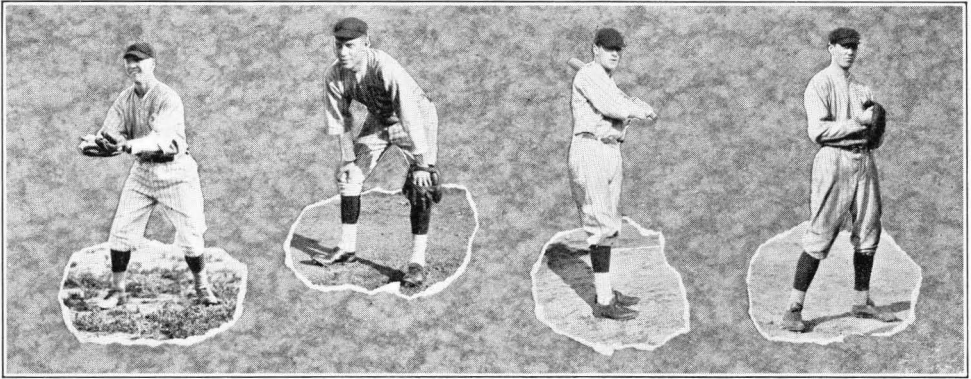


Coach MUSSELMAN, DICKERMAN, MCFADDIN, HOOKWAY, WINELAND, GARDNER, REYNOLDS,  
HASEROT, Manager BAXTER  
SCULLIN, TAYLOR, REED, LILLY, SNYDER, OLSEN, PETERSON, O'HAVER  
CRAMER, MUFF, GORDON

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## The BIG T of '27

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PETERSON

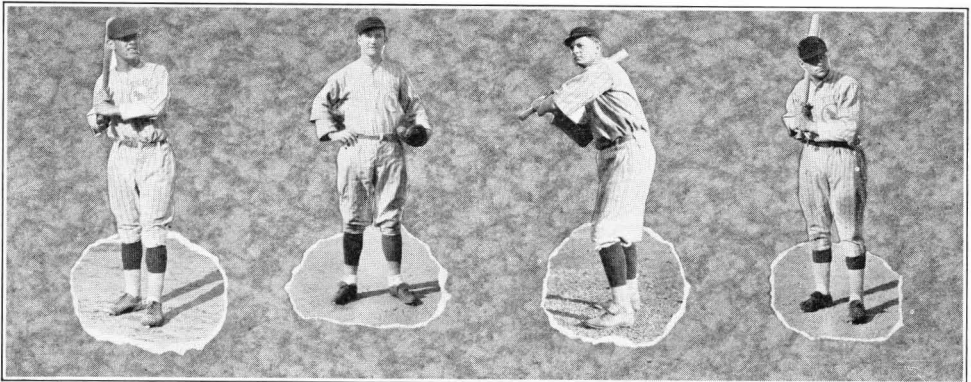
OLSEN

TAYLOR

LILLY

He has been playing good ball ever since he came to Tech, and we will miss him next year. Tech's long need of a good pitching staff was satisfied this year when Wineland and Reed came up from the Frosh. In addition to these men, O'Haver, Cramer, Muff, and Gordon are all Sophomores, and it is from them that the main batting strength has come. Taylor, Olsen, Lilly, and Peterson, the returning men, got going right at first and played real ball all season. At the beginning, the line-up had Wineland and Snyder taking care of the sending, Lilly, Muff, Gordon, and Cramer in the infield, and Taylor, O'Haver, Olsen, and Peterson catching the long ones.

The ball team went through a long schedule of practice games to get themselves ready to take on the conference machines. In the game with So. Pasadena Hi, which we won 5 to 3, in five innings, Wineland fanned 11 men, and Cramer ran a perfect batting average. In the Alhambra game, Wineland was still in great form, and was well supported by the whole team. Pinky Snyder showed some fine hitting ability. After defeating the U S C Dentals, in a tight game in which our batting was responsible for our victory, the last practice game of the season was dropped to L. A. A. C. 10 to 5. Homer Reed pitched the whole game; Gordon and Muff made homers; and Snyder turned in a neat three bagger.



CRAMER

SCULLIN

REED

GORDON

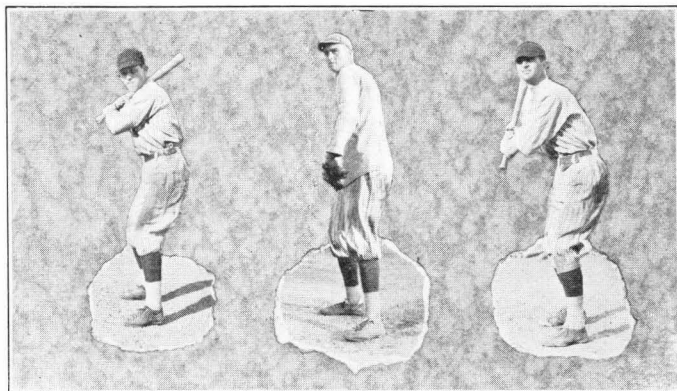
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## The BIG T of '27

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MUFF

WINELAND

O'HAYER

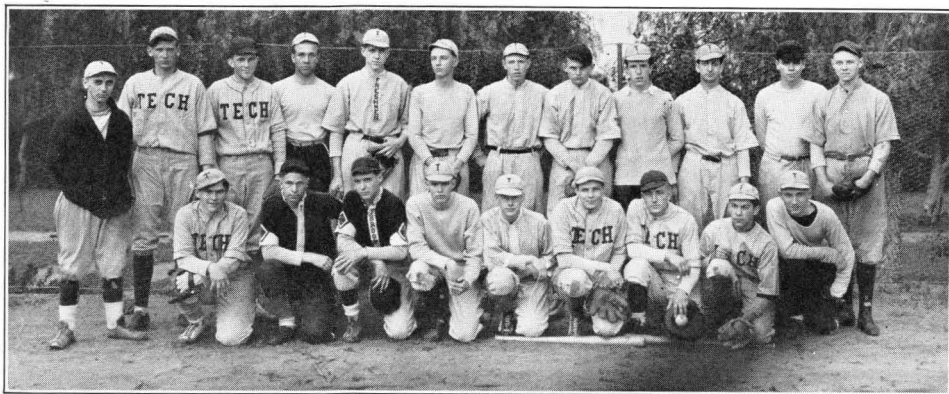
The conference season opened at Patterson Field, Occidental, and the Beavers went up against a team of individual stars. According to dope, Oxy won, but they had to play real ball to do it. Homer Reed pitched a bangup game for the Beavers, but he was not given the support necessary to win. Oxy only got two more hits than did Tech, but Teachout, who rates as the best pitcher in the conference, kept ours widely scattered. At the beginning, Tech started off on the right foot by getting one run in before Teachout had his mind made up, but Oxy tied the score in the second half of the inning, and from the second inning on the game was Oxy's. Tech came back strong in the eighth inning, and brought in two more runs.

The next game, with La Verne, was a good one for the Engineers, for they came out on the pleasant side of a 14 to 6 score. La Verne had the right idea in mind, when they brought their first man up home on a safe single, but the Beavers tightened up on them, and in the first time to bat, made five runs. The opposition staged a rally in the seventh, when they got five hits, and brought four of them in, but in the second half of the same inning, Tech did the same thing. Cramer was the star of the game with two homers, a triple, a double, and a single out of five times to bat.

Showing an amazing ability to knock the ball all over the lot, the Tech Horsehiders defeated Whittier 14 to 0, in a walkaway game. Jeff Wineland went the whole way, fanning nine men, and giving the Poets but seven hits. From the third inning on, Tech scored every time they came to bat. Gordon, Muff and Taylor each managed to make a homer, and the entire Tech team was playing real ball. The individual work was above par, and the teamwork was of high calibre.

Pomona was eliminated from prospective second place honors when the Engineers defeated her 10 to 5, in a hard fought game. Five of their men had to back off the plate, and only six of them got hits. Pomona would have pushed the Beavers a lot harder if it had not been for her errors. Tech watched her chances and brought in a few on steals. The batting of the Engineers was largely responsible for our win.

Taken anyway you want to look at it, it was a mighty successful season. The team developed itself from a meager turnout into a group which tied for second honors in the conference. We had a great team.



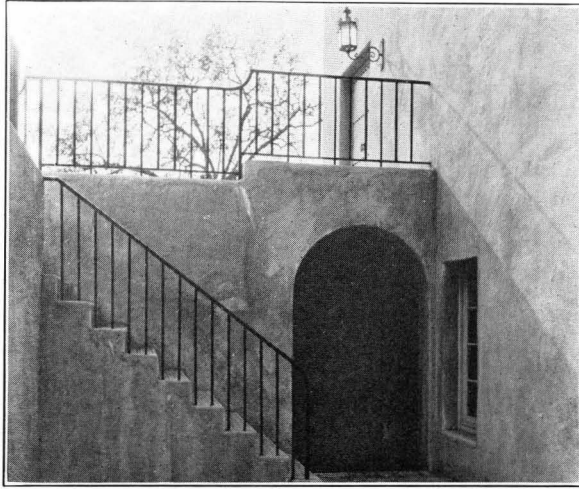
POMPEO (*Coach*), FOLCKEMER, THAYER, KOEHM, HAMILTON, WHEELER, HILLMAN, WIXSON  
WALKER, SCHARF, HACKER, FRIESS  
DOUGLAS, TOWLER, BUNGAY, CARBERRY (*Mgr.*), STEVENSON, MILES, DMYTRYK, ARNDT, BOYLE

## FROSH BASEBALL

The frosh baseball team was perhaps the best of the frosh teams. With two teams reporting at the first call, practice was soon under way, and under the careful tutelage of Coach Pompeo, they soon had the fundamentals down pat and were well on the way to smooth up the ragged edges.

Their first practice game, with Pasadena High School, was lost 6 to 1. The raggedness of playing had not been smoothed out enough, and in addition their team work was below par. However they learned a lot about baseball by the loss. When San Diego Army and Navy put their team against the Beavers, it was a rebuilt and powerful Engineer bunch that met them. The score at the end of the game, which had to be extended to ten innings, was 3 to 2, for the yearlings from Tech. It was an exciting game and one of its outstanding features was the steady and successful pitching of Hillman. After taking South Pasadena High into camp, 8 to 3, in a game the losers practically gave away on fumbles, and which Boyle pitched most admirably for Tech, the young Beavers dropped their first conference game to Pomona by a decisive score, 17 to 9.

The Frosh still have the Bruin yearlings to go up against, and though the Pomona defeat was disheartening, they plan to spoil the Bruin's chances. What is more, they have a good chance to do it. At the beginning of the season the only thing the Frosh could boast was a large turnout and plenty of fight. Things are different now, for only one season of play behind them, the frosh have learned the insides of the game, and a good deal about team work. When Coach Musselman calls for varsity candidates next year, the frosh will have provided him with two good pitchers in the form of Hillman and Boyle. In the line of batting the frosh were not exceptional, but at that Dmytryk and a good many of the others could be relied on for a sacrifice hit most any time. There is a lot of ability in the freshman class that Coach Musselman is going to find very valuable next year. Tech is justly proud of her Freshman baseball team.



## MINOR SPORTS



## INTRAMURAL ATHLETICS

The type of man studying at the Institute does not as a rule participate in athletics. As much encouragement as possible for athletic activity in the form of interclass competition and physical education is therefore offered in the athletic program. In consequence of this stress placed upon interclass competition by the athletic council, the interest of the students encouraged by class and fraternity spirit is very high, so that a very successful intramural season results.

Classes are awarded points according to the position in which they place in each sport, the college championship being awarded to the class finishing the year with the greatest total number of points. Each sport is graded according to the interest shown by the students and a commensurate number of points awarded.

The interclass football games afford much excitement and many amusing incidents occur. Much interest is shown and each class has an abundance of men out from which to pick a team. This year the Juniors were victorious with the Sophomores finishing in second place.

In basketball an independent and a fraternity league are established. In the independent league teams may be entered from any of the organizations in the College. The fraternity league is limited to teams from each of the five fraternities on the campus. The games are hotly contested in both the leagues and much competitive spirit is shown. The Gnomes won the fraternity league championship and the Dorm Club the independent league championship.

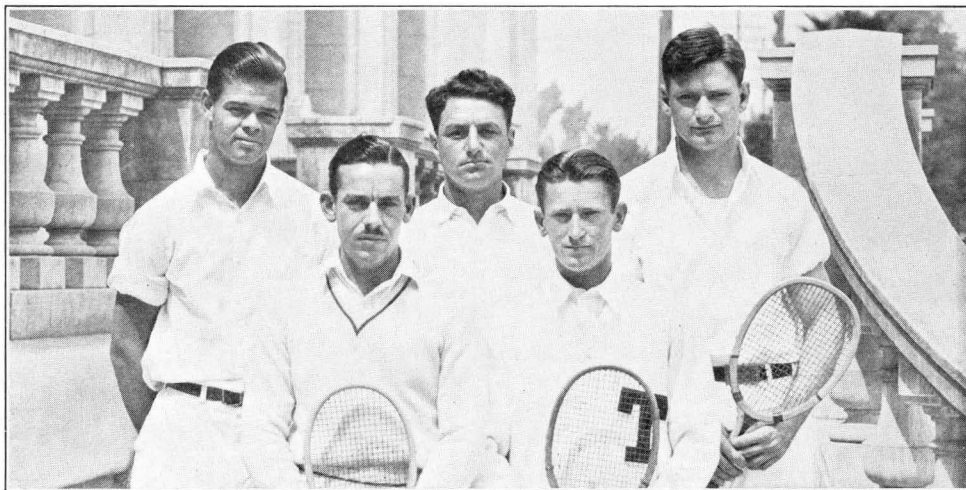
The class teams were composed of men picked from the teams making up the fraternity and independent league. Excellent teams were formed and some high class games resulted. The Sophomores emerged victorious with the Freshmen holding down second place.

The interclass track meet was the formal opening of the track season, being the first meet on the schedule. Varsity lettermen were allowed to compete with large handicaps in the events in which they had won their letter and without a handicap in any of the other events. Good times were made and the results gave promise of an exceptionally good season for the Tech squad. The Seniors took the meet by a large margin, winning with 85 points, the Sophomores and Juniors trailing along behind and finishing with 39 and 38 points, respectively.

As many as sixty men participated in the cross-country runs, the Sophomores and Juniors finishing first and second, respectively. In swimming, these classes again finished on top, the Juniors taking first and the Sophomores second place.

The wrestling and boxing bouts, which were held in the Dugout at noons, attracted large groups of enthusiastic spectators. Many men participated in these sports, so that there were several excellent bouts. The Juniors were victorious in wrestling and the Freshmen in boxing.

TENNIS



CARY, ROSS, GORDON, LARSON, KEELEY

The tennis season started with more than usual enthusiasm this year, and the turnout included men who knew tennis from the ground up. The entire turnout was made up of lettermen and members of last year's Freshman team. With such a start the team was able to put up a real fight for first honors. Although they were hampered by the lack of a coach, and so had to train individually, the men were in good condition, and were playing a fine game when the season opened.

Tennis started, as usual, with an elimination tournament and out of the preliminary round there emerged Leonard Ross, *Captain*, Larson, Gilmore, Gordon, Keeley, Ficklen, Cary and Springsholz. At the end of the tournament Al Gilmore turned in the best score. For the most part, the candidates had been practising for some time, so the elimination contests were real battles.

The first practise match of the season was held with the S. C. Dentals and after a stiff round of play, Tech emerged winner by a score of 5 to 2. The Engineers won their singles matches with a fair margin, but they lost the doubles after two long, hard-fought sets. Keeley, Cary, Ross, and Larson played for Tech.

San-Diego fell as the victim in the first conference match. Although handicapped by sickness, the Tech players won all of their matches, making the score 7 to 0. The San Diego men only won one set during the entire afternoon. Keely, Gordon, Ross, and Larson made the trip down, and they put up a real brand of tennis. Both in the singles and doubles matches the Tech team was much the superior of the two, as the results go to show.

Oxy was the second conference opponent, and proved too formidable. Tech lost by a score of 7 to 0, and although it had been hoped that Tech would garner a few points, it was not much of an upset, since Oxy was considered the best in the confer-

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## The BIG T of '27

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ence. The singles matches showed Tech in a better light than did the doubles, but the Beavers were unable to put over the winning touch in either. It should perhaps be mentioned, though not as an alibi, that rain prevented practise during the preceding week.

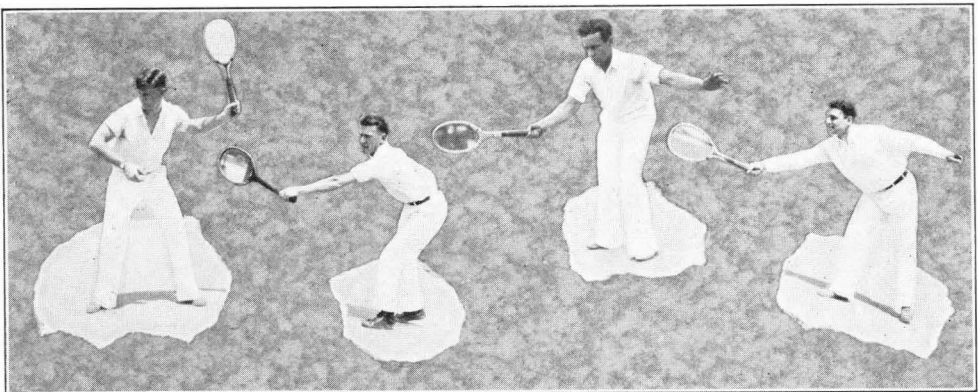
The next match proved to be a very exciting one, Tech winning in the end, 4 to 3. The meet was in doubt until the final match had been played. Keeley, Cary and Ross won their singles matches, and Cary and Ross their doubles. The others lost theirs, but not without playing a great game. The results of this match served to raise the spirits of the team, following as it did on the heels of their defeat by Oxy the previous week.

The meet with the Bruins the following week was a comedown, Tech losing, 7 to 0. However, the score does not give a true idea of the battle the Tech men put up. Keeley kept his match going for three sets before he was finally defeated. The rest of the team put up equally good games, but the Bruin men were a little too good for them. The meet brought out the fact that the team possessed more strength in the singles than in the doubles, and in the matches that followed it was this difficulty that was given more stress than any other one thing.

Following the Bruin match, the team entered two practise matches, one with the faculty, and one with the S. C. Dentals. The faculty afforded the team an excellent practise tilt, as there are some fine players among the professors. The S. C. Dental match was valuable, too, as it gave an opportunity for improving the individual games.

The final conference tilt was dropped to the Pomona Sagehens by the close score of 4 to 3. Although quite an improvement was noticeable over that evidenced at the Branch, and though the team put up a real fight, they were not able to produce a winning combination.

Even after the official season had closed, the team was kept busy with post-season games. The greater part of these were won by the Engineers. While the team did not finish at the top, it was not because of lack of fight, for they played every match down to the last point. Three of our lettermen are returning next year, and the results of the freshman season indicate strength from that quarter. It is pleasant to consider our chances next year, for they look good.



KEELEY

LARSON

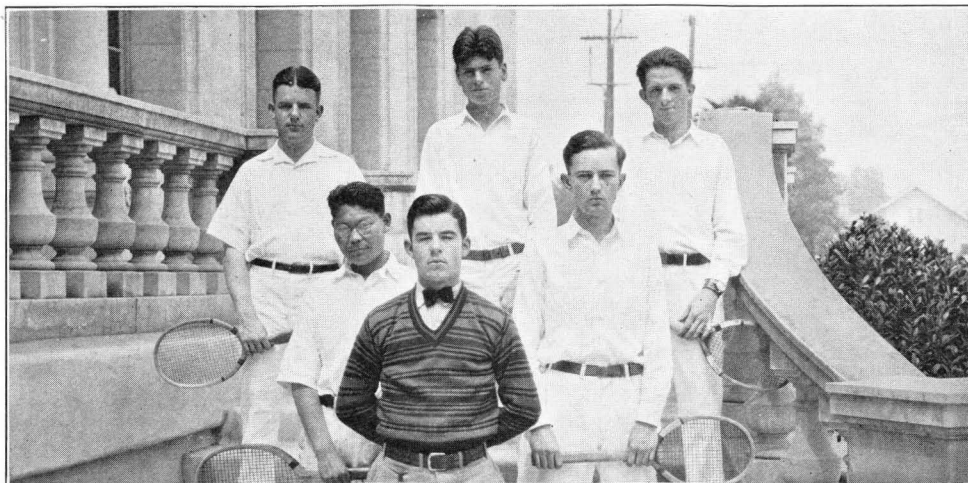
ROSS

GORDON

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## The BIG T of '27

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LONG                      STRONG                      THAYER  
KUBOW      UECKE                      HORTON (Mgr.)

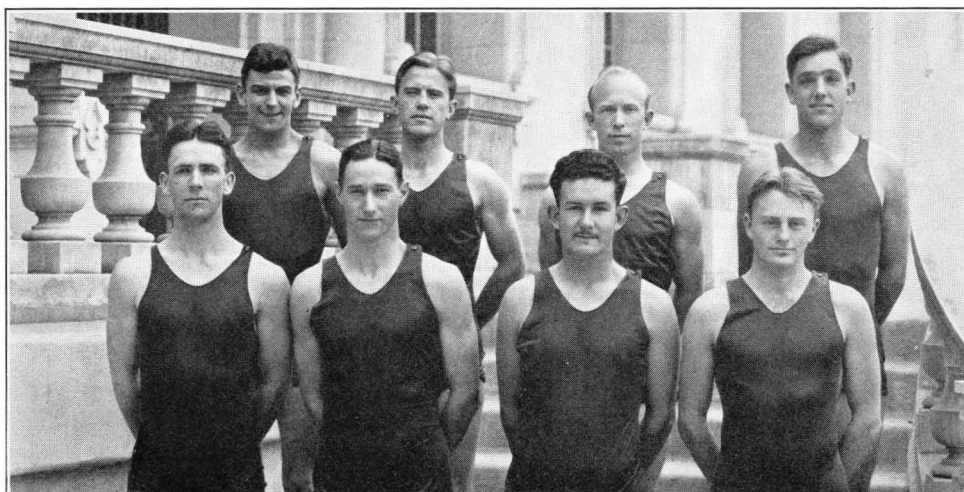
### FROSH TENNIS

Frosh tennis was started with an elimination tournament after about thirty frosh had signified their intention of trying for a place on the team. There was a number of excellent players, and most of these men had had previous varsity experience. As a consequence, the tournament was a spirited battle.

Of the five men who emerged from the tryouts, Spencer Long, who hails from Redondo, was elected captain. Long is a player of some mark, and here at the Tech he lived up to his title by being the big man of the team. The other four men were Merlin Thayer, Henry Kubow, Austin Strong, and Edward Uecke. These five men made up a team that was a good deal faster than most of the freshman aggregations of the past. They did not win a great many matches, but they put up a good scrap.

After but a few weeks of practise, the team went up against the Occidental Frosh in the first conference meet of the season. Although the work of the Beaver Babes showed a great deal of promise, the Bengal stars were too fast for them, and the final score was 7 to 0, in favor of Oxy. The singles matches were more heatedly contested than were the doubles, which goes to show that the men had the individual ability, and that all they lacked was a knowledge of working together. The next match, with the Bruins, was highly encouraging, for although the team was again defeated, it was only by a score of 4 to 3. Strong and Long, in their doubles matches, showed a great deal of speed and power, and lost them only after a long fight. In their match with the Redlands frosh, the Tech players fared slightly better. In this match, the singles offered the greatest obstacle, due to the habit on Redlands' part of using a deadly cut. Kubow and Uecke played in great style, and managed to win their singles matches. It was a well played tilt, on both sides, and the final score showed a 3 to 3 tie. In the last conference match of the season, with Pomona, the Tech frosh were forced to accept defeat by the rather one sided score of 17 to 7. The superior playing evidenced by the Pomona players in both the doubles and singles matches was responsible for the loss. The Tech players put plenty of enthusiasm into their work, but were unable to put over a successful game.

SWIMMING



KEELING  
BRADLEY

JACOBSON  
BOYD

WINGFIELD  
CROSHER

GRIMES  
BODE

The number of men that turned out for varsity swimming this year was more than gratifying. Each night saw from fifteen to twenty men out for practice where, under the able and vigorous coaching of Joy Van den Akker, steady and marked improvement was shown. The majority of the men out were Juniors and Sophomores, who will continue as the basis of the teams for several years more. The team was very fortunate in that they had the opportunity to use the splendid Pasadena Athletic Club plunge three nights a week. The size of the plunge is perfect for race work, and the diving equipment offers an opportunity for real training. The other two nights a week were put in at the High School plunge, an open air one. Even though some difficulty was encountered in the hours the plunges were available, the large early-season turnout stayed right with the job the entire season. The action of the Club and High School in allowing Tech the use of their pools is greatly appreciated by the student body.

The team was captained this year by Kenny Crosher, who lived up to his reputation in the 50 and 100-yard sprints, and in the relay. Kenny has been a man who can be relied on for points ever since his first experience on the Frosh team. His work this year was certainly all to the good, and he made a capable captain. Jimmy Boyd, who leaves this year, was the real backbone of the team. Jimmy did wonders in the 220 and 440-yard events, and in the relay, and still found time on the side to arrange the meets. He has been a big man on the team for three years, and his loss will be keenly felt.

The team as a whole was the most representative outfit that Tech has ever put into the running. Jimmy Boyd and Francis Bode were strong conference bidders in the distances, and we can count on the latter for two more years. The sprints were not lacking in experienced candidates, for Kenny Crosher, Ray Jacobson, and Baker Wingfield, all valuable men, were right on the job there. With Walt Grimes in the backstroke, Baldwin and Cline in the plunge, Dunham in the dives, and Keeling in the breast stroke, the Beavers were a team to be respected throughout the conference.

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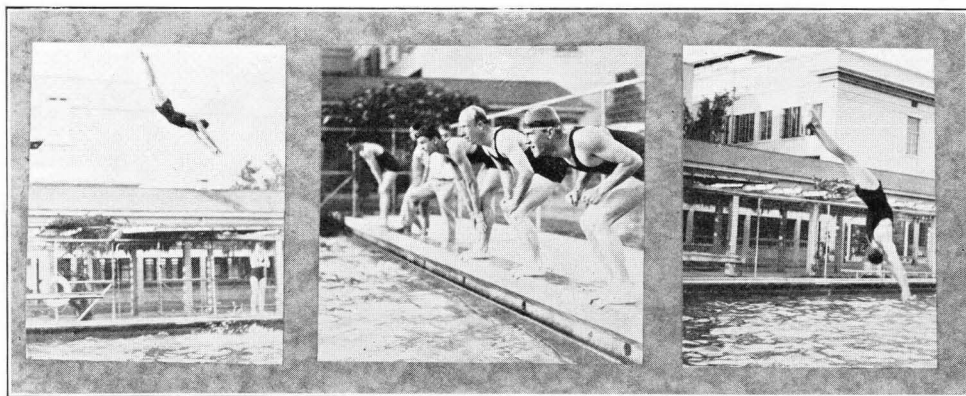
## The BIG T of '27

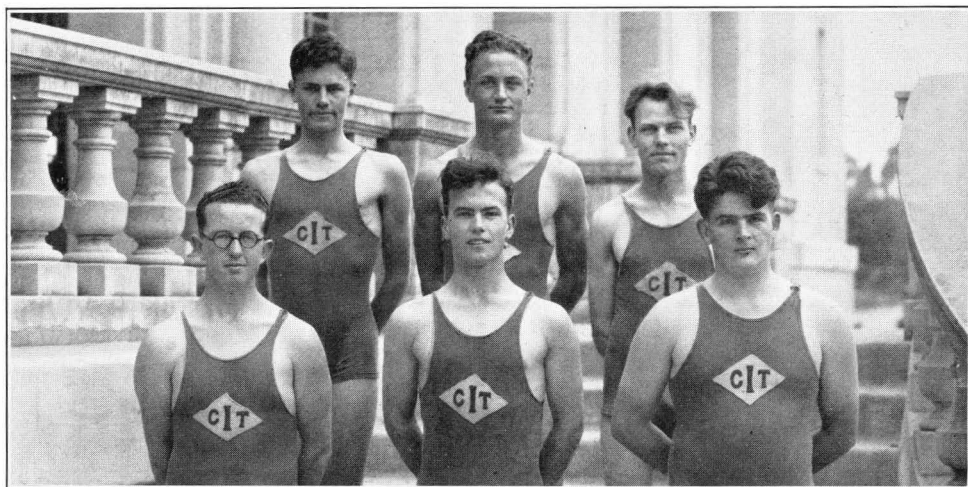
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The swimmers met several teams in practise matches before the conference season opened, in order to get back into the idea of competition, and the result indicated that the team was rapidly gaining both speed and endurance. The team got their first jolt when they met the California Bruins in the first conference meet. The Bruins had a very good team, especially in the sprints and dives, and Tech had to be satisfied with one first place, the score reading 62 to 15. The first place was chalked up to the credit of Keeling, in the breast stroke, when the U. C. L. A. man, who came in first, was found to be ineligible. Francis Bode, a Sophomore, was next highest man, with a second in the 440-yard event, and he was closely followed by Baldwin, who turned in a second in the plunge. Jimmy Boyd had to accept third place in both the 220 and 440, and Crosher and Cline, thirds in the 50-yard sprint and plunge, respectively. Although the score was not encouraging, it was almost to be expected. The Bruins have their own plunge on the campus, and treat it as a business. Considering that it was the first real meet, and that the training was gotten under difficult circumstances, the Beavers made a creditable showing.

The tables were turned completely, when, two weeks later, Tech played host to Pomona at Brookside. The final score was 47 to 25, Pomona conceding that the relay was unnecessary. The distance events were apparently races between Boyd and Bode, as at the finish, Boyd took both firsts, and Bode both seconds, the Pomona aspirants finishing third. The plunge was run off under practically the same conditions, Baldwin winning, with Cline only a foot or two behind, and the Sagehens bringing up the rear. In the sprints, Jacobson turned in a first in the 100, and Crosher a second. In the 50-yard event, Wingfield brought in a second and Crosher a third. Keeling was credited with a first in the breast stroke, and Dunham came to the front with second place in the fancy diving against some rather strong competition. Creveling turned in a second in the back stroke. As is evident, the meet was highly gratifying to the team, and to the student body, as it showed that the results of the Branch meet were not an indication of our true strength.

A summary of the season indicates that a prospectus of next year's swimming team would show a fine chance for a conference championship. From this year's team we only lose two by graduation, and the places vacated by them will be filled by Juniors and Sophomores who are up and coming in their records. We have a well balanced squad to start next year, and a formidable group will come up from this year's frosh team. The 1927 season was eminently successful, and there is every reason to believe that the 1928 season will be as good or better.





HOLLISTER                      BERNHARDI                      INFIELD  
HEMMING                      ALLEN                      MACDONALD

### FROSH SWIMMING

The first part of the swimming season this year looked very dismal and foreboding as far as the frosh were concerned, because of a decided lack of material and experience. However, a few men of promising ability turned out, and with about two weeks of practise, were able to take thirteen points from the strong Bruin aggregation. Jimmy MacDonald, the one shining light of the team, proved his calibre by running off with first place in the backstroke, and second in the 220-yard free style event. Hawes and Bernhardi picked up valuable third places in the 50 and 100-yard sprints, respectively; Hemming got a third in the 440-yard and Infield took third in both dives. An encouraging array for their first meet.

The meet with the Pomona Frosh was a different story, as the Beaver Babes left for home with 50 of the 72 points given out. During the entire meet, the Pomona Frosh only took one first place, and in that event, the 100-yard breast stroke, Infield, though a dark horse in the race, managed to pick up a good second. By trotting off with first honors in the fancy dives, and then winning second in the 440, Infield was high-point man of the team. MacDonald, in his style, won the 50-yard backstroke and the 220-yard event. Hemming was a capable contender for honors, winning the plunge and the 440 by large margins. The two sprinters, Hawes and Bernhardi, split the honors in the 50 and 100-yard races, when Hawes took first in the 100 and second in the 50, while Bernhardi took second in the 100 and first in the 50. Allen, who has also acted as manager of the team, gathered in a second in the dives.

The team has made a remarkable record for themselves this year. The six frosh swimmers, every one of them point winners, appear as though they will be valuable additions to the varsity next year. Allen and Infield will certainly boost our diving average; Hawes and Bernhardi are coming sprinters; Hemming is developing himself into a strong 440 man; and MacDonald, the all around man of the team, will be one of the best point grabbers that ever wore a Cal Tech bathing suit, as he is a dangerous man in the 220, 440 and backstroke.



### RIFLE TEAM

The Rifle Team at Tech is greatly increasing in popularity. This year more men turned out and practised consistently than ever before. The result was that more men fired higher scores. In fact, many of the men have shot scores as high as have ever been made at Tech, while the team average for the year is higher than it has ever been. Team scores have increased from the usual 3500 to over 3700, with over half the team shooting approximately 380 from a possible 400.

One of the greatest causes of this year's success was the fine help of Sergeants "Joe" Laracy and "Bill" Bailey, who spent a large part of the summer in constructing an indoor range on the second floor of the "Ark." Then, with the new Springfield bolt-action rifles for the range, Tech had every possibility of making high scores, and the team took advantage of the opportunity.

This year Tech had matches with the University of Nevada, Norwich University, Stanford, University of Southern California, University of California at Los Angeles, and the University of California at Berkeley. Tech succeeded in winning most of the matches and lost to a few of the opposing teams by only a few points. Also, Tech placed very high in the Ninth Corps Area match, the Hearst Trophy match, and the Engineers' match, all of which were military meets.

As colleges all over the country are organizing rifle teams, there are many indications of a Southern California Rifle Shooting Conference. If such an organization be formed, there is every indication that Tech will be able to win the Conference championship.

Of the men on the team, Captain Douglas Kingman, a Junior, shot most consistently and placed in every match. Elbert Miller, Captain-elect for next year, fired high-man in most of the matches and made the highest score this year.

The other members of the varsity team are K. Kingman, E. Riggs, Kircher, Shields, Slick, Reinen, Taylor and Bower. The second team, consisting of men who placed in a few matches but did not make the varsity, is Folsom, Gramatky (manager), Holdaway, Larson, Rapp and Rofelty.



## CROSS COUNTRY

Cross-country has this year been given a higher ranking among Tech sports than ever before. During the first term, a good sized turnout of men reported for both the varsity and freshman competitions. Under Coach Sutton, these men were put through an intensive training, and by a selective series of inter-class races of two, three and four miles, the varsity and freshman teams, of eight men each, were chosen from the original squad.

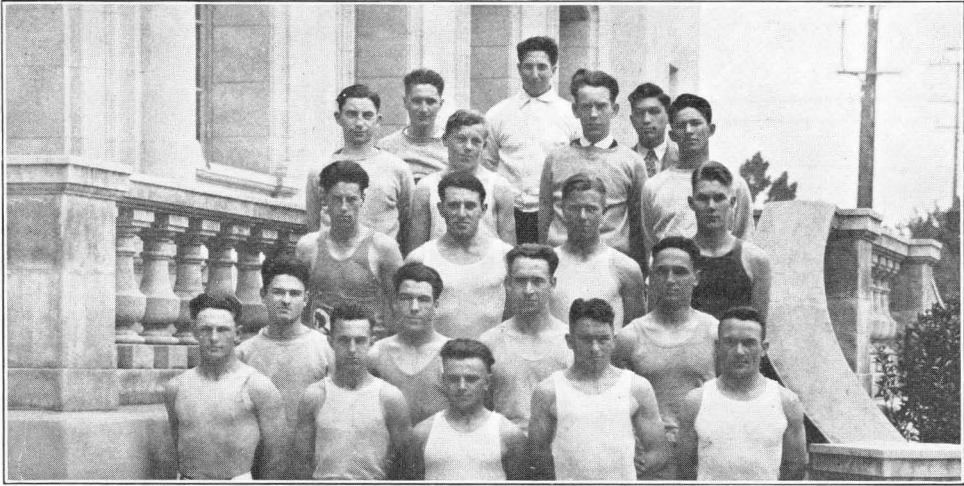
These teams went to Redlands on December 11th, and entered the conference cross-country meet. The varsity men traveled four miles over a good cross-country course, laid out in the hills near Redlands. The Frosh followed a similar course of a little over three miles. Southern Branch managed to win the varsity race, though pushed hard by Pomona, while Tech placed fourth. The first Beaver to cross the tape was Gewertz, and Captain Ralston, Smith, Baustian, and Shields came in in the order named. Shields showed the old fight by running a good part of the race with a broken foot, and had this injury not occurred, it is probable that he would have finished nearer the top, as he has been the stand-by in the interclass meets. The men put all they had into it, and Tech is fortunate in that most of the men will be back for one or two years more, Smith and Baustian and Gewertz being Juniors, and Shields a Sophomore. Captain Ralston has run his last cross-country race for us.

The Freshman team, led by Captain Morton, fared even better than did the varsity. The Bruins succeeded in winning this race also, but the Engineer frosh were close enough behind them to make them worry a good deal. Running a race that netted them second place in the conference, Hopson, Kleinbach, Ross, Captain Morton, Wilkinson, Hoepfel, Hawes and Cromley finished in the order named. Many of the men had had no previous experience in cross-country competition, and a second place brings them in for a deal of credit. A large turnout, with plenty of fight, they will make valuable additions to varsity squads in the future.

Cross-country is a great sport that requires a lot of grit and stick-to-it-ive-ness, and the large amount of interest shown this year indicates that it is coming into the position it should rightfully hold in the sport roster. With a fine coach, plenty of returning varsity men and good material coming from the frosh, the cross-country team should make a great showing next year.

## ACROBATICS

The position of acrobatics in the Tech sport calendar is rapidly becoming more important. The work in acrobatics is carried on under the most adverse conditions, and the fact that each year a talented group of men seriously take up the sport, indicates that the time is coming when it will be supplied with the proper facilities. Skafte, Randolph, Ford, and Wagner were the most capable of the Tech tumblers, and each of these men has won prizes against real opposition. Wagner, a Junior, won first prize in the State Junior meet this year, and Skafte has more than one prize to his credit. The tumblers came in for a great deal of student approbation this year by the able performance they made in an assembly program. A great deal of time and persistence is required before any degree of finish is possible, and the men who are working hard to establish acrobatics as a Tech sport are deserving of a great deal of credit.



## BOXING AND WRESTLING

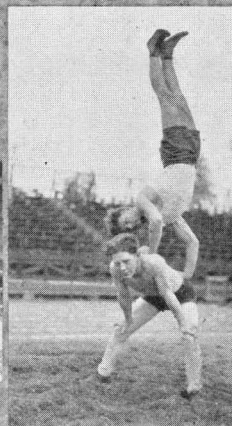
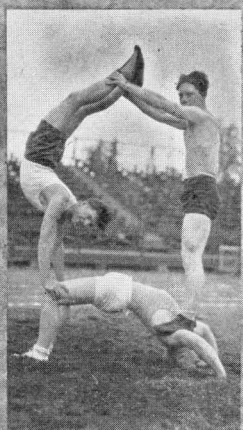
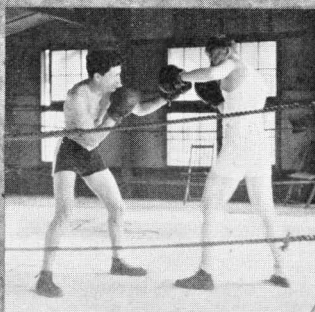
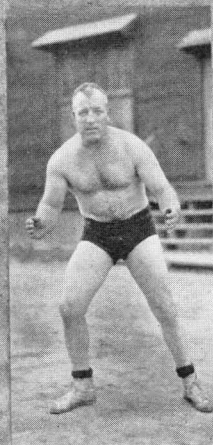
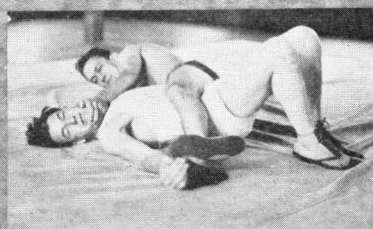
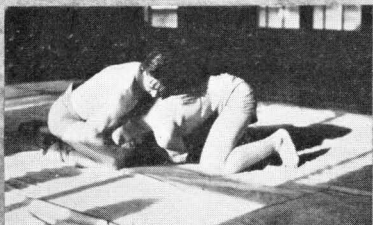
Boxing and wrestling are two sports that are gradually assuming larger and larger parts in the circle of Tech activities. It was not so long ago that the College was unable to supply coaches, and a gymnasium for the use of the men who came out for the sports, but this year these men have had excellent coaching at the able hands of Mr. Griffin, wrestling coach; Dick Duval, assistant wrestling coach, and Mr. Evjen, of the graduate school, as boxing mentor.

At the beginning of the first term twenty or thirty men signed up for one or both of these sports, and the larger part of this group was still at it at the end of the year. Under the direction of the respective coaches, the men were paired off and told to go to it. Since, in many cases, it was their first introduction to the leather gloves, or strangle hold, the type of work that the men produced in the interclass matches certainly indicates that they were given able advice. About the middle of the second term, the men had gained enough confidence and skill to qualify them for real competition, and the inter-class matches were scheduled.

In the inter-class wrestling round, Charles Lewis and Cravitz were the heavy-weight contenders, and the scrap they put up was certainly great stuff. Lewis emerged winner for the Juniors, but it took him some time to throw his lighter opponent. In the middleweight division, Berman was forced to take a speedy defeat at the hands of Duval, but he made things exciting while he lasted.

The boxing matches were just as fast as the wrestling bouts, and in the heavy-weight rounds, there was some real fight shown. Durfee of the Junior class was the star leather pusher, winning from Waite, and losing, for the first time while at Tech, to Vance. His weight and speed made it possible for him to give a little more than he took. Jim Keely and George Moore put on an exhibition bout that had all the earmarks of a real fight, and kept the fans up in the air. The popularity that these sports are commanding gives every reason to believe that their position among Tech activities is assured.

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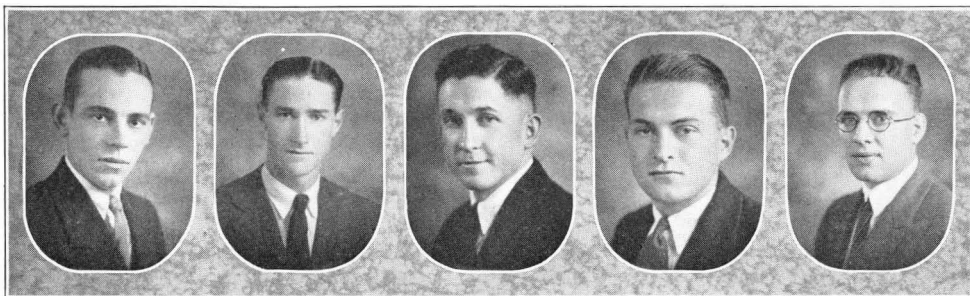


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# The BIG T of '27

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## MANAGERS



L. ROSS

BOYD

COPELAND

KRELLE

BAXTER

The new managerial system, which was inaugurated last year, has proven very successful. Ross, Krelle, Copeland, and Baxter, Senior managers, have proven extremely efficient and much credit is due them for the success of our teams.

This year one man was put in charge of all the minor sports with an assistant in each. This system has proven quite satisfactory, and Boyd, as the Senior manager, has added much to its development.

The Senior managers each receive a sweater and six honor points as a reward for the work and energy which it is necessary to expend on the job. In football and track there are two Junior assistants and three Sophomore assistants. In basketball and baseball there are one Junior and two Sophomore assistants. The assistant managers receive awards commensurate with their positions.

If this system continues to develop in the future as it has during the past year Tech teams will never be lacking in efficient management.

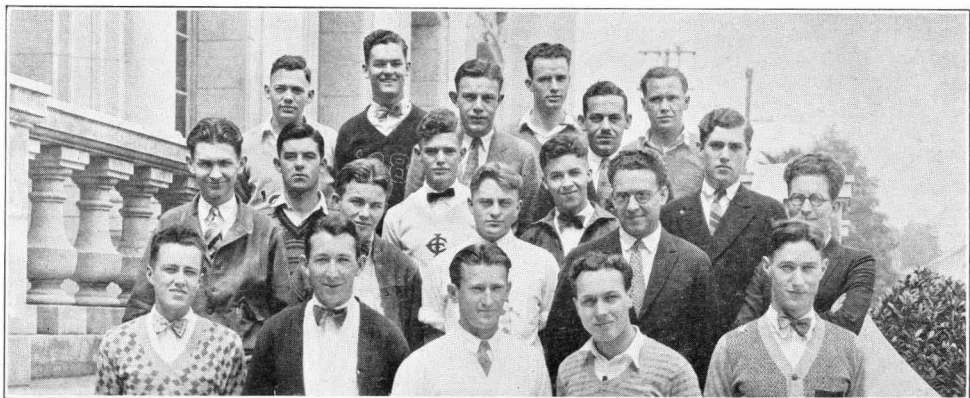
FOOTBALL—Ross, *Manager*; Sperling, McComb, Lynn, Mason, Weisman.

BASKETBALL—Krelle, *Manager*; Huston, Nestle, Cline, Hatch.

TRACK—Copeland, *Manager*; Robinson, Ganssle, Walton, Bode, Scott.

BASEBALL—Baxter, *Manager*; Burke, Hatch, Atwater.

MINOR SPORT—Boyd, *Manager*; Booth, Larson, Gramatky.



## SUMMARY OF THE YEAR

Athletics started off with a bang this year at Tech when the football squad, composed of men who had returned two weeks early, held the powerful Stanford eleven to a 13 to 7 score. Prospects of a championship loomed up before the student body and enthusiastic support was given the team.

This year two more colleges, La Verne and San Diego State Teachers' College, were admitted to the conference. If this had not occurred five of the original conference colleges would have tied for the championship. Each of these five colleges lost two games to original members of the conference. The championship, however, is won upon a percentage basis, so that Pomona, who had played both La Verne and San Diego, finished the season at the head of the percentage column.

In basketball the team was not quite as successful. This year Lieut. Claterbos, of the military department, a former stellar athlete, and a graduate of West Point, assumed duties as varsity coach. A large number of men turned out for the squad, but few had had any previous experience other than on the Freshman squad of the previous year. The major portion of the season was spent in developing these men for the year following. Little attention was paid to the games which were scheduled for this year.

A major difficulty is always present during basketball season, which offers an impediment to the development of good teams. Tech has no gymnasium, so that it is necessary to go off of the campus to secure a floor. This year the practise and the home games were held at the John Muir Technical High School.

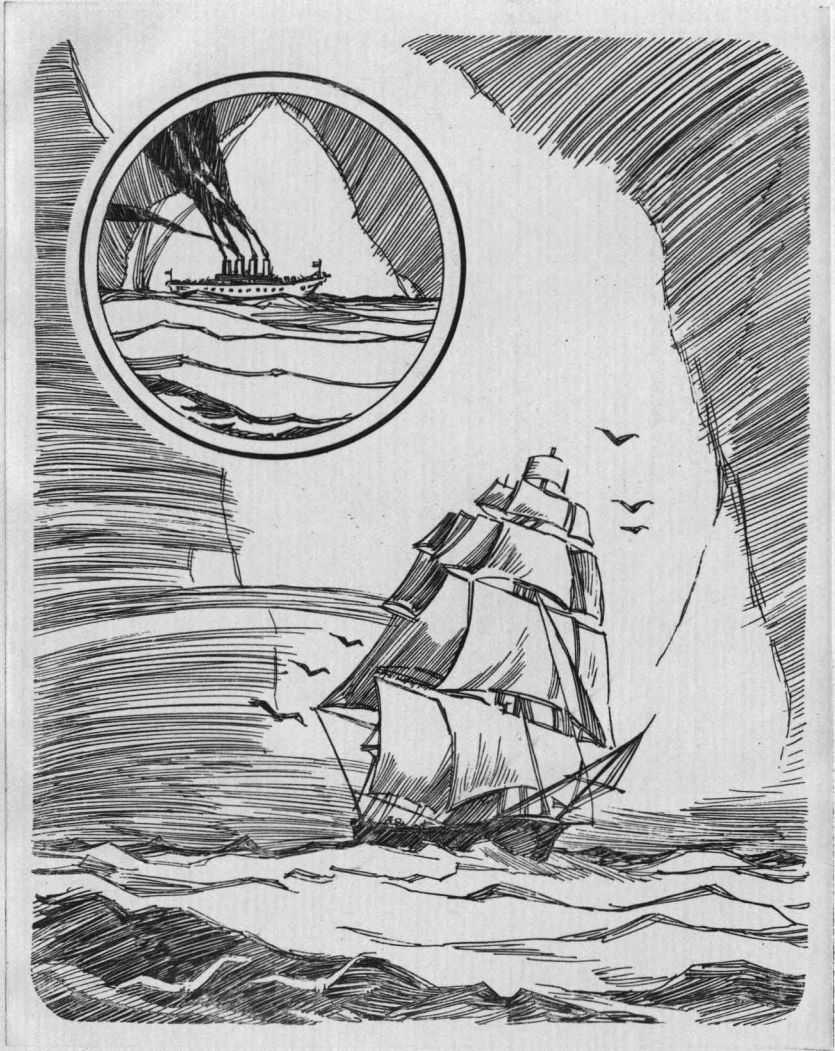
The track team, although not a championship squad, was one of the best ever turned out at the Institute. They were defeated by only one conference college in the dual meets and that by so close a margin that a turn in the breaks would have reversed the score of the meet. Tech finished third in the conference meet, being defeated by Pomona and Oxy. In the dual meets Oxy was defeated by Tech, which is the first time in history for this to happen.

Five Tech men were selected to travel to Stanford on the All-Conference team. More than half of the points which were taken in this meet with the Cards were made by these Tech men.

The squad of fifteen track men, which journeyed to Fresno for the West Coast Relays, emerged victorious, winning an abundance of prizes and the Class B trophy. A new Pacific Coast record in the half-mile relay was set by the Tech team in this meet.

Prospects are bright in baseball for a place close to the top. To date the Tech nine has suffered only one defeat, which was administered by the exceptionally strong Oxy squad. The major portion of the team is composed of underclassmen, so that the future looms brightly.

The minor sport teams were not quite as successful as far as conference ratings are concerned, although a large percentage of the student body participated.



THE YEAR



## FROSH-SOPH RODEO

The first big event of the year was the annual battle between the two lower classes, which took place on the afternoon of October 15th. As has been the custom for several years past, the affair took the form of a pushball contest.

The contest had been postponed for one week because of the inability of the managers to acquire a pushball, and because of this added delay enthusiasm and excitement waxed to a very high point. The Freshmen looked forward to victory and the day when they would be freed from the tyranny of their superiors, and the Sophomores prayed for success in battle that they might better prove their supremacy and their right to make the life of the frosh one of misery. The atmosphere became supercharged and enthusiasm rose to a fever pitch as the fateful day approached.

The two classes appeared upon the field in various articles of old clothing, the frosh being liberally smeared with green pigments as a means of hasty identification. The pushball was rolled into the middle of the field and the last minute instructions were given, then the fray was on. At the crack of the pistol the flying bodies of grim contestants hurtled toward the ball, struck it simultaneously from either side, and were thrown back again into the oncoming horde. The ball moved neither one way nor the other for a matter of seconds, but the equilibrium could not long be maintained, and as superior weight and experience began to tell the ball moved slowly toward the green goal. Despite frantic efforts upon the part of the frosh this almost majestic march was continued almost without interruption, until the first goal had been scored by the stalwart sons of '29.

After a brief rest the battle was again resumed and this time it was an even shorter interval before the ball once again reposed behind the Freshman goal. Fred Bewley, worthy president of the second-year men, seemed to be everywhere, urging his men on to greater efforts. The effect of his enthusiastic support and encouragement made itself indeed quite apparent as a third goal followed shortly upon the heels of the second and when time was called at the half the score stood at 3-0 against the yearlings.

At the beginning of the second period the frosh, with defeat staring them in the face, sent a brave and determined team back to renew the conflict. The Freshmen were out for blood, the Sophs to hold their lead and keep their goal line uncrossed. The frantic efforts of the first-year men seemed for a time to be turning the tide in their favor, but before many minutes had passed the ball was once again rolling slowly and ponderously toward their own goal. Undone, the frosh seemed to lose heart at this juncture and a fifth goal was registered to the favor of the Sophomores.

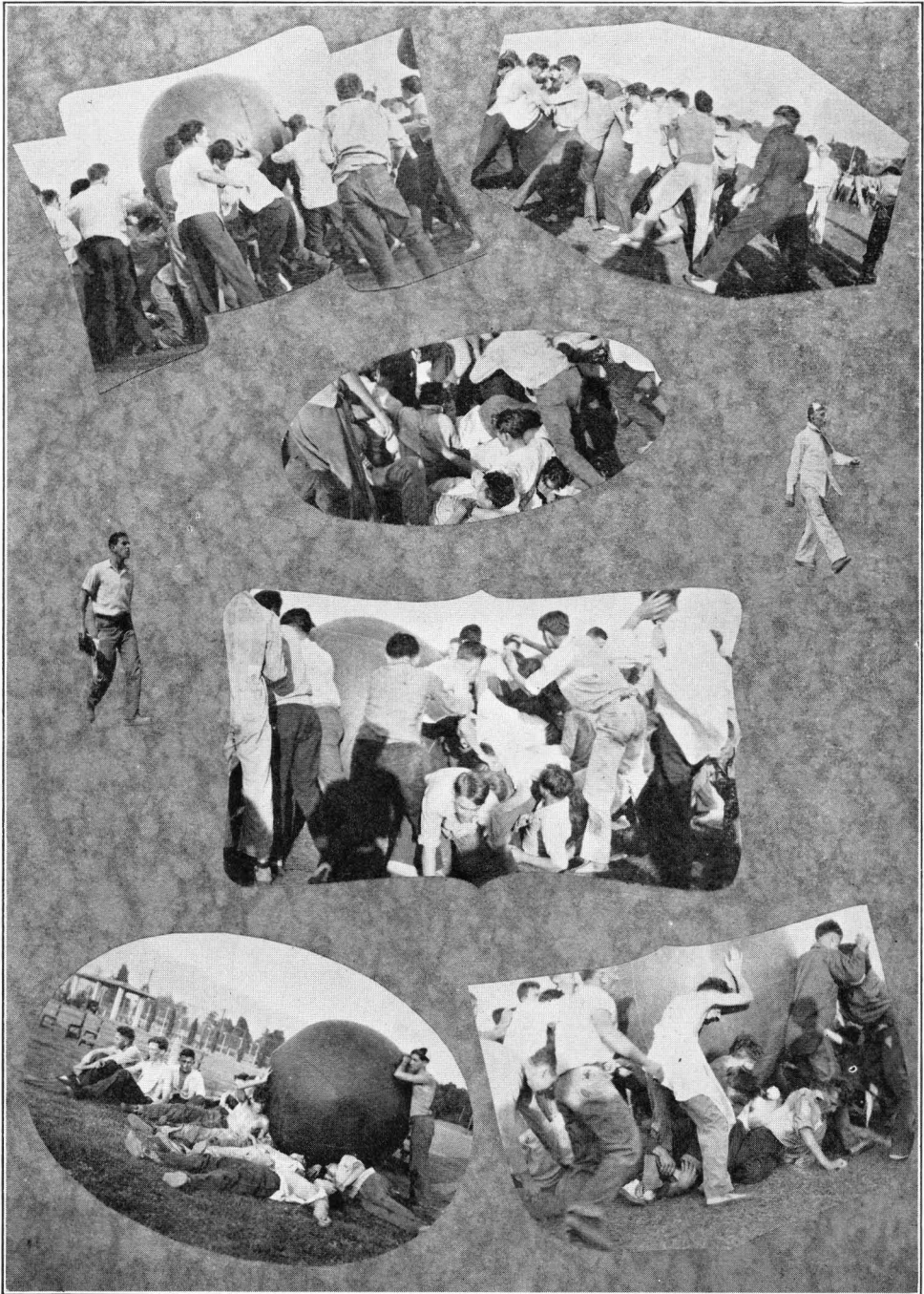
Disheartened, the frosh turned their weary attention to other things, and espying the leather-lunged Bewley urging on his classmates from a safe distance, involved him rather ingloriously into the fray without further ado. Fortunately, valiant Sophomores rescued their leader before damage could be done to more than shirt, knickers, and Sophomore pride. Learning that "discretion is the better part of valor," Bewley thereafter kept his distance, but in the short time left the Sophomores scored two more goals on their bewildered opponents.



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The BIG T of '27

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### THE "Y" MIXER

The annual "Y" Mixer is an event greatly appreciated by the student body as a most enjoyable gathering and as the heralding function of the year's social season. To the Freshmen it offers the opportunity for a wider acquaintance with the older men in the Institute, and to the upperclassmen it brings a chance to talk over the adventures and accomplishments of the summer.

This year a memorable mixer occurred on the evening of October 1 in the Dugout. Mirth and pep were the attendant spirits, while the assemblage got together on some real songs and yells. The feature of the evening was the appearance of Mr. S. L. Simonson, known in vaudeville circles as "the man who grows." He astonished everyone present by making his arms and legs grow and contract at will, while at one time he actually increased his stature by six inches. Demonstrating that he had other accomplishments, he allowed half a dozen venturesome Engineers to get headlocks and scissors grips on him. These grips he broke one by one without the use of his hands, much to the enjoyment of the onlookers and chagrin of the victims.

Dr. Macarthur entertained with some selected readings from the book "Letters from a Self-Made Merchant to His Son," and Mr. W. W. Ogier rendered two vocal selections which were well received. Skafte, '28, entertained with a well-rounded tumbling act.

The evening was pleasantly terminated with the appearance of large quantities of cider and doughnuts, which had been provided by the ever-gracious hosts.

### NEIGHBORHOOD CHURCH TECH NITE

Surpassing all other Tech Nites from the standpoint of an abundance of feminine company, the second entertainment of the year, sponsored by the Neighborhood House, carried forward the good work started in previous years.

Ray St. Clair, genial master of ceremonies, gave the visitors a cordial welcome and then introduced Dr. Leavitt, pastor of the Neighborhood Church, who invited Tech men to come to the regular Sunday evening discussion groups.

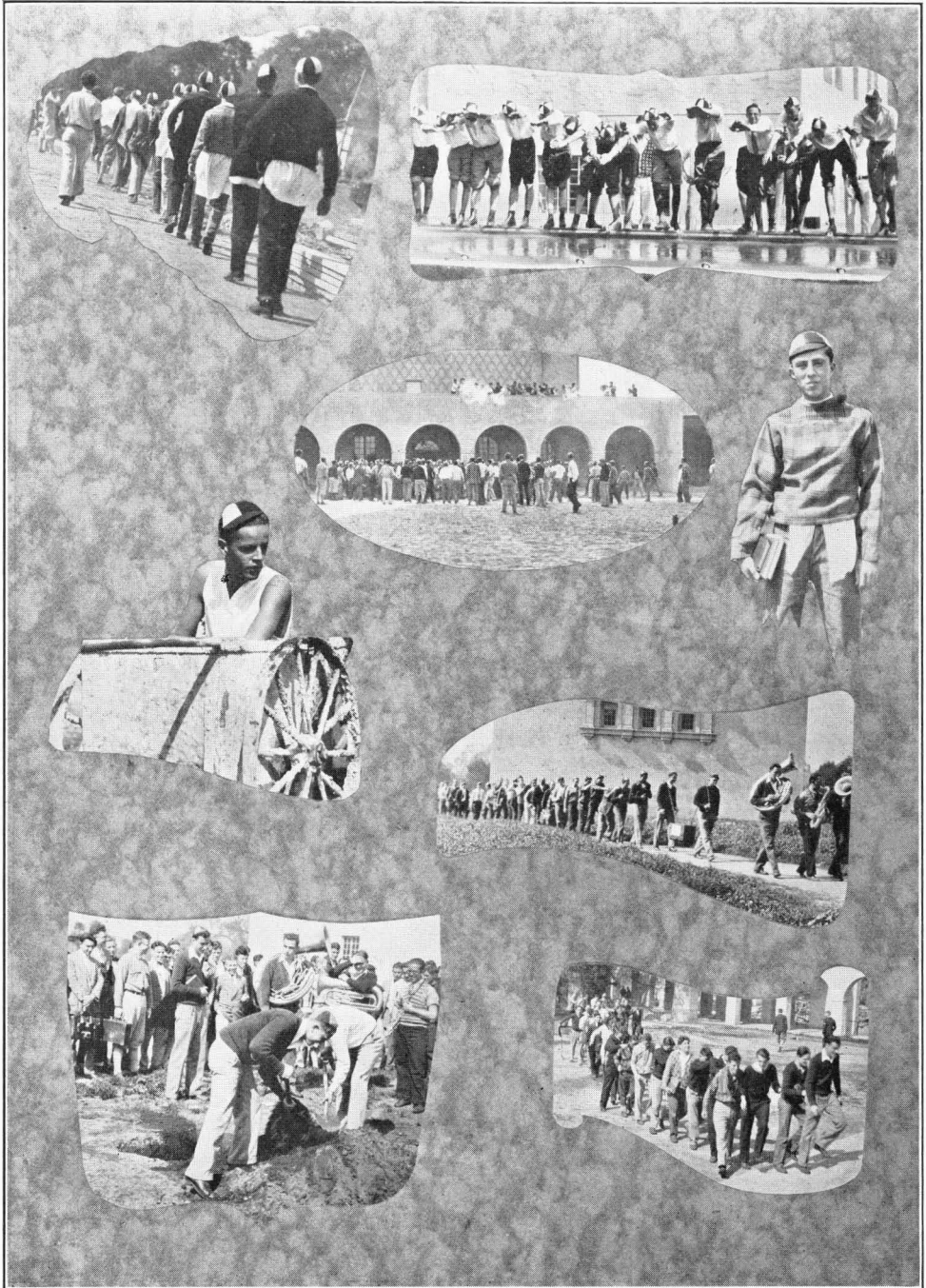
It was not long before everyone felt perfectly at home, especially after the dancing started. Bob Evans and Frank Wiegand produced a very acceptable quality of dance music and in an incredibly short time the stag-line had practically disappeared.

The decorations for the affair were carried out in true Tech style, and the orchestra was sheltered by an ethereal halo of orange and white streamers. In order to keep the frosh from getting homesick the punch was colored green. As the evening whiled itself pleasantly along to 12 o'clock, the Engineers fulfilled the customary escort duties with alacrity and dispatch.

### DORMITORY MIXER

The annual Dorm Mixer was held on Wednesday, October 6th. Amid a haze of smoke forty or more Dormenians played bridge, chess, or what have you? The frosh were treated to a pleasant surprise in the form of a request to leave their beanies

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in their rooms. Corncobs and cigarettes were passed about to those who indulged, and to some who shouldn't have done so, as was testified by the number of casualties reported before the evening was over.

Refreshments were donated by the cafeteria and proved to be exceptionally good, as was evidenced by the total eclipse of a trayful of surplus. The purpose of the Mixer, admirably fulfilled, was to promote fellowship among the men in the dormitory and to introduce the new residents with the upperclassmen.

### THE JUNIOR-SOPH HOP

Marking the close of the training period for the football team, the Junior-Soph hop of November 27 reflected the carefree enthusiasm of the liberated athletes. Joyful youth and the spirit of mirth combined to make the affair a success.

Culbertson Hall, improved by the addition of orange and white balloons and streamers, composed the setting. The white programs, with orange letters, were tastefully small.

An original idea in diversion was furnished by a suspended T, formed of balloons. The balloons, containing numbers, were dropped to the floor during the dance, and a wild scramble ensued to see who could garner the most numbers. A drawing was then held and the winning numbers received prizes. Serpentine, delightfully cooling punch, and a peppy orchestra, completed the materials for a perfect evening.

### CHRISTIAN CHURCH TECH NITE

On the evening of October 9th nearly two hundred Tech men were pleasantly entertained by the Central Christian Church at the first big "Tech Nite" program of the year.

A combination of a lively vaudeville show, amusing games and the necessary refreshments made the evening literally a howling success. Perhaps the biggest feature of the show was the Christian Chorus, arrayed in rompers and with dimpled knees, which, instead of singing old-favorite hymns, performed some modern steps, which were appropriate if not entirely graceful. The skit, built up around the Crinoline girl, portrayed by Miss McMillan, and the modern flapper, expressed by Miss Arch, was striking and was very well received by the attending Engineers. The scene of "Pierrot and Pierrette" deserves notable mention, as do the humorous monologues rendered by Miss Moyer. Unquestionably, Miss Arch, the modern "blues" singer, was the most popular artist on the program of entertainment.

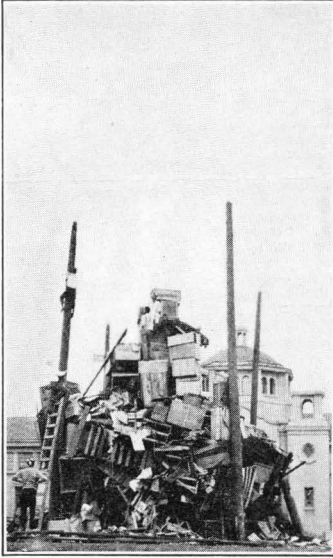
The Central Christian Church presented a Tech Nite which set a high standard for such affairs, and which was thoroughly enjoyed and appreciated by all who attended.

### TECH STAFF THEATRE PARTIES

During each term it was the good fortune of the members of the staff of the California Tech to be able to enjoy one of the presentations of the Pasadena Community Playhouse, as guests of the management. During the first term the staff saw the production of "The Mask and the Face," and again during the second term were present to see the offering of "The Lady of Belmont."

## THE OXY RALLY

Beginning with the assembly of Friday morning, October 29, and continuing through the day to grow tremendously at the Oxy Rally that night, the old Tech fighting spirit that knows no defeat, finally burst forth in a great climax at the game next day, and a highly touted Oxy team bowed before the scrapping Engineer crew.



The Bonfire Rally was without question the greatest single factor that spurred Tech on to that memorable 25 to 14 victory over Occidental. Everyone helped to make it a success and each and everyone deserves the proper credit. The rallies of former years seem to fade into the background when compared to the "never say die" spirit, the premonition of victory, which was so gloriously evidenced that night.

The Freshmen deserve credit for the willing and energetic way they went about building the bonfire, and what is more to the point, for the immense amount of wood which they gathered.

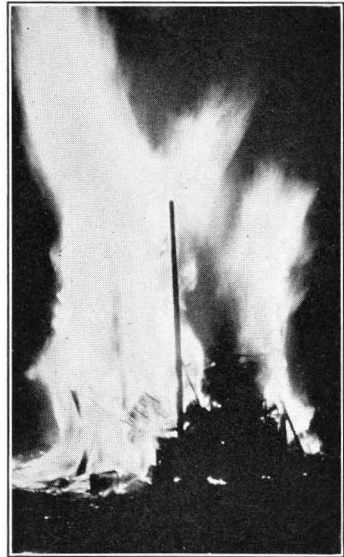
The Sophomore class presented a skit which mimicked the Oxy-Tech game, and the result of this mock conflict must have had a psychological effect upon the Occidental men the next day.

Two former football captains, Jack Baker and Mike Brunner, and the ever-present "Red" Sorenson all helped to push the old fighting spirit up a notch.

The flaming "T" and the roaring bonfire helped to thaw out the few spirits that were not already bubbling, and led by the indefatigable Ward Foster, the band and the student body, 99.44 per cent strong, all clad in pajamas of the wildest hue, started for the business district of Pasadena, bent on a mission of conversion by baptism of sound.

The Serpentine parade covered most of Colorado street quite thoroughly and made the people in general and the police in particular realize that something was afoot, and that not alone the howling, hurrying hundreds of wildly enthusiastic students.

The Strand and Raymond theatres were both entered and the audiences were duly converted to the cause by the eloquent persuasion of Ward Foster and the spirited yells led by the cavorting Murray Schultz.



As they plodded homeward after the affair, and even to a greater extent on the next day, the men realized that this Rally would stand forth as one of the greatest in all Tech's history.

### DORM CLUB DANCE

The Dormitory Club, as is its usual custom, opened the social season with a delightful informal dance, held in Culbertson Hall on the evening of October 16th. Enchanting music was dispensed by Bob Evans' orchestra, and the famous Dorm punch flowed freely, adding gaiety to an enjoyable evening. All were filled with regret that all good times must end, and went their various ways blissfully, as the strains of "Home Sweet Home" filled the air.

### THE FOOTBALL BANQUET

Probably the most notable and most looked forward to function of the college year came off on the evening of December 7th, at the Shakespeare Clubhouse. For thirteen years Tech students have honored their football men with a football banquet and each of the thirteen has been a greater success than the preceding one. This year was no exception; rather it eclipsed all former functions. The team, as guests of the student body, was made to know our appreciation for their long struggle on the football field.

The meal was in full accord with the spirit of the occasion and was topped off with cigars and cigarettes. While the smokes were getting in their deadly work, Professor Sorenson, who has won wide renown as the toastmaster on similar occasions, began the program with the recounting of a few reminiscent experiences. All through the evening he held the gathering in good spirits with his sparkling witticisms.

Dr. Millikan expressed his enthusiasm and approval for football as played at Tech and pointed out with admirable clearness the position Tech should strive for in the field of intercollegiate athletics.

Coach Stanton devoted the first part of his speech in telling of his experiences as a spectator and then went on to tell of the attitude which should be held in regard to the great collegiate game. The principle speaker of the evening was Mr. Leslie Henry, who gave a vivid and interesting talk on amateur football and the newly popularized professional game. He was emphatic in his denunciation of the professional element in the game, and presented to his hearers a clear vision of the purpose and value of the game as played by amateurs.

The big event of the evening came when the members of the team were presented with their awards, each player giving in his turn a short speech of appreciation. The banquet ended with everyone expressing great enthusiasm over football and its future at California Tech.

### THE FROSH DANCE

On the evening of December 18 the first big dance of the year was given to the student body of the class of '30. The affair was held at the Hotel Vista del Arroyo, which was tastefully decorated for the occasion. With all the exams and studying over for the first term, and with the holiday spirit already in the air, everyone entered whole-heartedly into the fun. Nearly three hundred couples danced away the fleeting hours to the strains of delightful music. The dance was one of the most enjoyable of the year, and one of which the frosh may justly be proud.

### STUDENT-FACULTY MIXER

The Student-Faculty Mixer of January 7th proved to be fully as enjoyable an event as its forerunner of the first term. The added zest, due to the presence of many faculty members, lent much to the occasion.

Mr. Jerome Shaffer, an impersonator of note, kept the crowd in constant laughter, while a half-hour sped away. His impersonation of the Aunt of a popular faculty member was particularly appreciated. The local wrestlers also put in appearance and gave a very creditable performance.

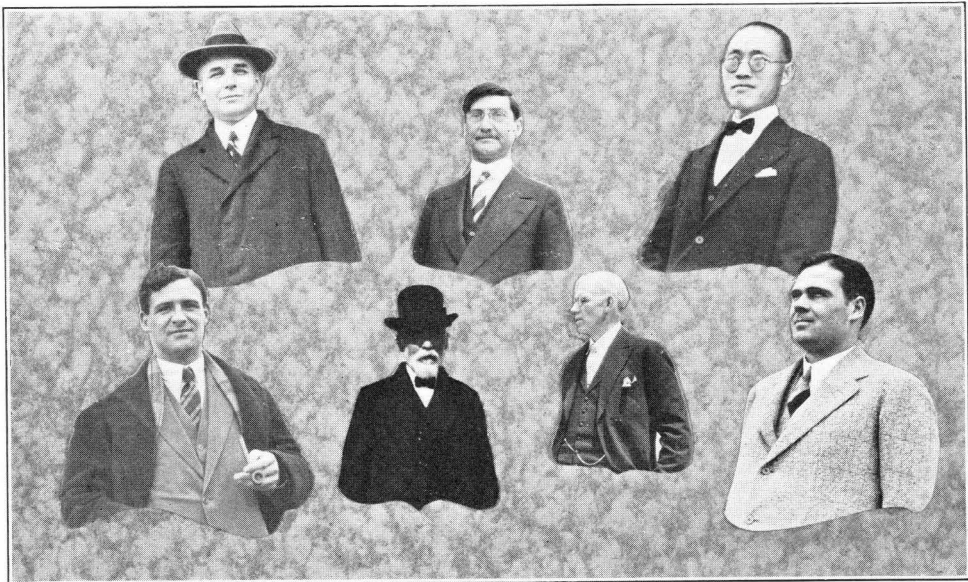
Free corncob pipes and stoking materials added to the merriment of those who did not try them, while those who did—but that is another story. The evening was completed, of course, by the traditional serving of doughnuts and cider.

All present concurred in declaring the event thoroughly enjoyable and worthwhile, and it is planned that these mixers should become a regular custom in the future.

### TAU BETA PI DANCES

Each year Tau Beta Pi, national honorary engineering fraternity, gives two formal dances in honor of the new initiates. This year the first of these enjoyable formals was given in Culbertson Hall on the evening of December 4th in honor of the fourteen fall pledges to the organization. The tempestuous love-making of Nickell and the titian beauty of Haserot will make this dance long a bright spot in the annals of the year. The Hall was particularly well decorated for the occasion and all present were well pleased by the arrangements.

The second formal was presented on the first of March to honor the ten junior neophytes. At this dance, a huge new, brilliantly illuminated bent, the insignia of



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the fraternity, made its appearance above the door of Culbertson Hall to add to the beauty of the decoration scheme. At this dance the customary skit was entitled "In 1999," and featured Lombard, Kingman and Cutler in the principle roles.

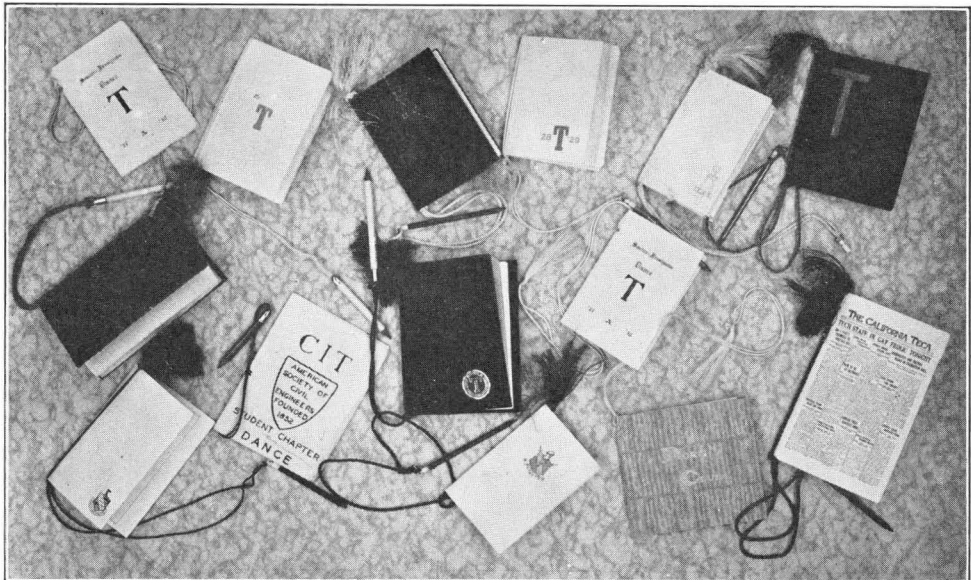
### THE RADIO PROGRAM

An intercollegiate radio program contest, sponsored by Desmond's of Los Angeles, was the center of a great deal of interest among the colleges of the Southern California Conference for several weeks during the first term of the year. Every college broadcasted a radio program, and the winner was determined by the number of applause cards received, and by the decision of a group of judges.

Tech's program was broadcasted from the Hollywood studio of KNX on the evening of Friday, December 3rd, in conjunction with the football rally for the Branch game the next day. The program and arrangements were very ably handled by the Throopers. All the performers appeared at the studio clad in rally pajamas, which added to the effect and aided the general spirit of the occasion.

The Band, Glee Club and Orchestra, as well as a jazz orchestra were the principle sources of entertainment, while readings and instrumental solos aided in filling out the hour. Our announcers were especially good, the four performing in truly professional manner and contributing much to the success of the program. Following the completion of the program the performers returned home to the Dugout, where a crowd had been listening to them over a radio, furnished for the occasion by members of the Radio Club. The Branch game rally and a monstrous pajama contest were then held to the accompaniment of much pep and fun.

Although the Tech program did not win a prize it was very well presented and received complimentary approval on all sides.





## THE HOT RIVET

Early risers on the morning of February 1st were greeted upon their arrival on the campus with the flaming pages of the yearly issue of "The Hot Rivet." Bringing thin dimes from hidden recesses they were enabled to purchase copies of the pink sheet and read therein of "Judy's Jeopardy," of the terrible crimes perpetrated by the Geology department, and of the new system proposed for the selection of travel prize recipients.

As the morning hours passed, thousands of copies of the sheet found their way into the hands of students, faculty and office force. Many were the smiles forced by subtle humor and not infrequent the glowering scowls of chagrin and displeasure. For some were made fun of, others were kidded, and a small few openly criticised.

The group of Press Club initiates who admitted responsibility for the publication consisted of Peterson, Farrar, Baxter, Rodgers, Combs, and L. W. Ross of the Senior class; McMillan, Sechler, Minkler and Miller, Juniors, and Langsner, Wheeler and Taylor, of the class of '29.

The 1927 issue of the "Rivet" will long be remembered for its campaign for reform in the Geology department, for its blazing red rivets leaping out from between the pages, and for the eight travel prize-winners, whose names were given places of honor on the scurrilous sheet.

### THE INTERFRATERNITY BALL

The annual Interfraternity Ball passed into history at the stroke of 12 on Saturday evening, March 19th at the Elks' Club in Los Angeles. Each year the fraternities on the campus unite to put on a big dance and entertainment, which is usually the finest affair of the year. In 1927 the formal proved no exception, for the floor, orchestra, favors and general arrangements were as nearly perfect as a hard-working committee could make them after weeks of preparation.

Members of the Gnome Club, Sigma Alpha Pi; the Pharos, Pi Alpha Tau, and Gamma Sigma, were present, at this most exclusive affair, and all pronounced it a wonderful success. John Crawford's Oakmont Country Club Orchestra provided the harmony and the beautiful ballroom of the new Elks' Club formed a matchless setting for the occasion.

### THE SOPHOMORE DANCE

A well-planned and brilliant affair, the Sophomore Dance, added one more item to the multitudinous achievements of the class of '29. Its original and entertaining features were well attested by the capacity crowd of enthusiastic students and alumni who gathered in reverly on the evening of March 12th, at the Friday Morning Club in Los Angeles.

The setting, new as it was to most Tech men, added greatly to the interest

of the embryo engineers. The principle question of the evening was: "Have we an orchestra or a quartette?" However, the high-fever melody produced was equally good, whether vocal, instrumental, or conglomerate. Combination programs and favors furnished a complete and pleasant surprise, the leather covers of the programs being in the form of compacts for the ladies and card cases for the men.

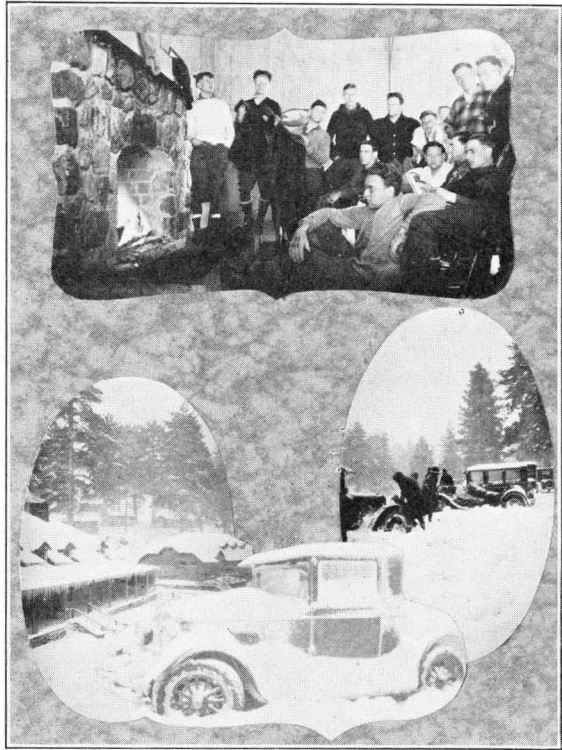
### SENIOR DITCH DAY

While faculty and lower classmen quietly conducted the sober business of the college, the Senior class cavorted amid the snow and pines, when they took their customary Ditch Day at Big Pines on Sunday and Monday, the 13th and 14th of February. Almost 50 members of the class were in the group which reached Big Pines on Sunday evening and settled down to enjoy the beauties of the snow-covered mountains.

After a big dinner the fellows played cards and variously enjoyed themselves until time to turn in. Some of the group stayed at the Big Pines camp, while the others went back to Wrightwood for the night.

Monday proved a wonderful day for tobogganing and sledding and the upperclassmen frolicked gayly until it was time to leave for home. As the shadows began to lengthen the men dug the cars out of the drifts and began the long trek back to college and their awaiting professors.

Everyone reached Pasadena late in the evening, wet and cold, but thoroughly satisfied that they had enjoyed the best Ditch Day ever participated in by any Senior class at Tech.



### PI KAPPA SIGMA BALL

Devotees of Terpsichore worshiped again at her shrine when the members of Pi Kappa Sigma, military fraternity, and their friends, celebrated with a formal dance at the Alhambra Athletic Club on the evening of Friday, January 21st. The members of the fraternity added a certain dignity and aplomb to the occasion by appearing decked out in all their war paint and gold buttons, spurs, cocked hats, and other paraphernalia of the confirmed militarist.

## EXHIBIT DAY

Fair weather greeted the annual Open House and Exhibit Day held on the campus on April 22nd and 23rd, and when the buildings were thrown open to the public at noon on Friday, it was not long before hundreds of people thronged the campus.

Parents and friends of students were on hand in great numbers and there were to be seen, carefully studying the various exhibits, groups of high school students under the guidance of their instructors. Too, there were scores of fair young ladies, come to see their friends at the Institute, or perhaps to acquire new ones, and these made the campus a colorful sight on that warm spring day. Seniors registering visitors in Throop Hall reported that approximately two thousand persons signed the register during the two days of the exhibit and conservative estimates have placed the number of visitors at no less than three thousand.

Attractive programs and a special souvenir edition of the California Tech were given to each visitor upon registration, and the guests were then provided with an underclassman who served as guide and instructor during the leisurely tour of the campus and buildings. Each of the departments had made special arrangements to care for and entertain the visitors and all vied for the best display. In the chemistry laboratories the habitual three-ring circus character of the exhibits was fortunately absent and the customary synthetic punch was every bit as good as in days of yore. Exhibits in the Norman Bridge Laboratory of Physics attracted much favorable comment from the guests who were shown the equipment and most of the research laboratories. Special demonstration lectures showing the remarkable properties of liquid air were given at intervals in the physics lecture hall.

The Geology department, participating in the open house program for the first time, had a very interesting and remarkable display for the edification of all comers. Many students learned of the working of this division of the Institute for the first time when it was thrown open for the exhibit day. In the High Tension laboratory regular demonstrations of the equipment and several very spectacular experiments were carried on at intervals throughout the day and evening during the hours of the exhibit. So popular did these demonstrations become that people stood in line awaiting an opportunity to squeeze into the galleries of the laboratory.

The engineering departments had very interesting exhibits prepared for the occasion and the military department conducted regular demonstrations of demolitions. As a whole the demonstration phase of the exhibit was far in advance of anything seen in previous years.

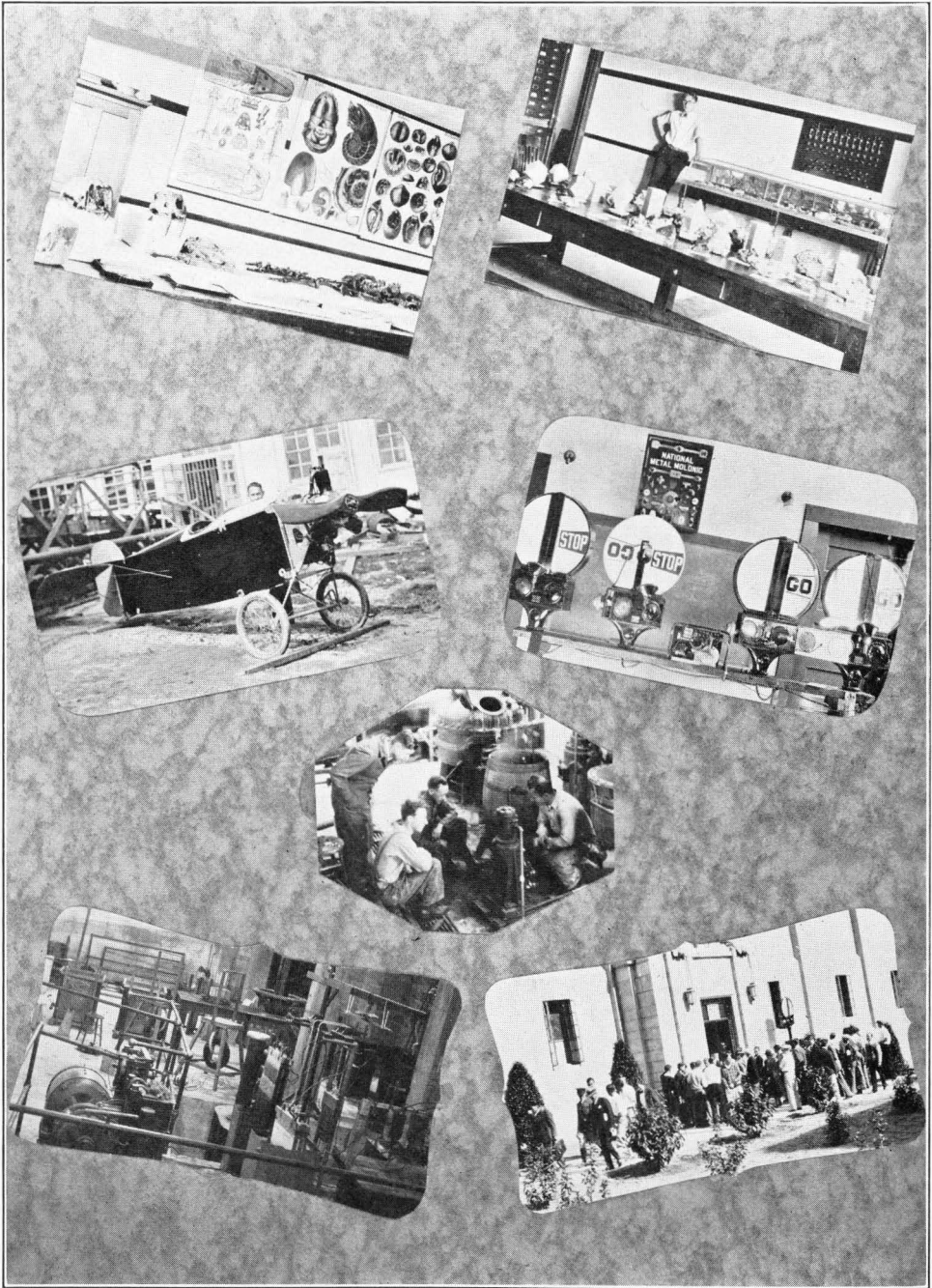
In the evening of Friday the Southern California chapter of the Alumni Association held a dinner and meeting in the Dugout and later in the evening the Glee Club and Band rendered a joint program in Culbertson Hall. On this occasion Ward Foster delivered a talk on the Institute which was very well received by his hearers.

The most successful exhibit day ever held at Tech was closed on the following afternoon, when the Tech varsity won over La Verne in the traditional Exhibit Day baseball game.

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The BIG T of '27

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## THE "BIG T" PARTY

A new departure from precedent was made when on the evening of April 30th the staffs of the 1927 "Big T" and "Oak Leaves," the 1927 annual at Broadoaks, united to present a benefit entertainment at Culbertson Hall. The purpose of the plan was to raise money for the two publications, but the net result was more than this, for the occasion furnished a rare treat for those students of the two institutions who were so fortunate as to be able to attend.

Piano solos by talented members of the Tech student body, and a few selections by our string quartet, vocal and dancing numbers by girls from Broadoaks, and a one-act play, "Travelers," by Booth Tarkington, opened the evening's fun. The play presented the best histrionic talent of the two staffs in a riotous comic drama, which was well received by the assembled multitudes.

After the last bit of laughter had died down, and the floor had been cleared of chairs, music, furnished by Wiegand's hand-picked symphony artists, stirred the feet of the crowd and dancing became the order of the evening. The delightful dance was enjoyed by a gratifying attendance, and management and patrons alike pronounced the affair a decided success.

## THE BATTALION INSPECTION

An inspection of the military battalion to determine whether Tech is to receive Distinguished College Rating from the War Department for the third successive year, took place on the 11th of April. Unfortunately the drill in the afternoon was held in a downpour of rain, but the impression made was, nevertheless, quite satisfactory.

The visiting officers spent the forenoon in the classrooms conducting examinations on the various courses. The Freshman, Sophomore, Junior and Senior sections were all examined in the theoretical work, which they had been following during the year.

In the afternoon the battalion underwent a careful inspection and then passed in review before the distinguished guests. The rain made the ground muddy and slippery, but the review went off without a hitch in spite of the handicap. Major Danford and Major Bonesteel, the reviewing officers sent out by the War Department, have made their report and recommendations and indications seem to point to the possibility of Tech's battalion gaining the coveted honor for the third successive year.

## PI KAPPA DELTA DANCE

Setting a new high mark for future affairs to aim at, the Pi Kappa Delta Formal, given in Culbertson Hall on April 16th, by the local chapter of the national honorary forensic fraternity, proved to be all that a thoroughly enjoyable dance can possibly be. Novel programs again reminded the guests of the organization of the debating propensities of the members, resplendent in their crimson sashes like silver-tongued diplomats.

Hoyt Martin's orchestra furnished the incomparable music for the occasion, and added much to the success of the evening by the high quality of their melody.

### TECH NIGHT AT THE COLORADO

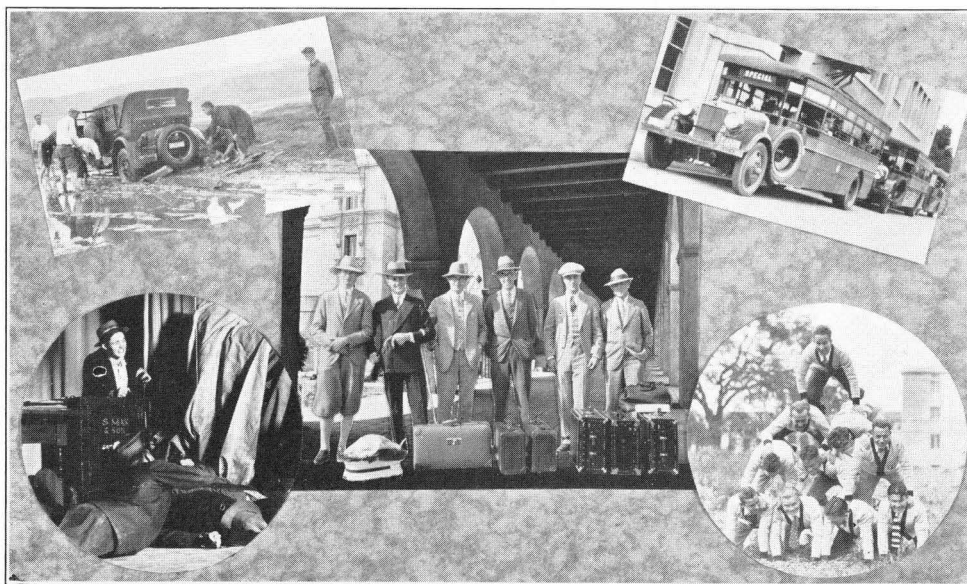
On the evening of Thursday, May 12th, most of the student body went to the Colorado Theater to see the highly amusing comedy-drama, "Casey at the Bat," and to enjoy a feature Fanchon and Marco vaudeville number, bolstered up by the best of Tech talent. The purpose of the affair was to raise money for the athletic injury fund of the student body and through the kindness and generosity of the management of the Colorado Theater the Throopers were able to sell tickets for this Tech Night and retain a share of the receipts for the sale.

The picture was thoroughly enjoyed by all of the several hundred men who attended with their friends, and the Fanchon and Marco review was tolerated, but the best part of the evening came when the elaborate program prepared by the Throopers was presented. An unbeatable "all-Tech" chorus of beauties made a big hit with their dance numbers. The Throopers must have searched the campus minutely to find so many perfect examples of male pulchritude, but they were there, yes, sir, they were there. Ross enacted the part of the ventriloquist's dummy to perfection and Rodgers, as the fond "papa" of said dummy, was a scream.

Other acts less famed, but just as entertaining, helped fill out the Tech part of the program and the whole effect was considerable, added to by the unexpected appearance of the "Laff, Dam-You, Laff" sign of other years. The affair proved to be thoroughly worth while and a success in every way, even in terms of box-office receipts, which is always, of course, very much appreciated.

### EXCHANGE ASSEMBLIES

Inaugurated by the Presidents' Conference of the southern conference colleges, a series of exchanges brought entertainers from Whittier, Pomona and Occidental to Tech for assembly programs. The Engineers returned the compliment by sending the cream of local talent to the other colleges for similar programs.



On Friday, the 3rd of December, the Whittier performers appeared at Tech in an interesting and entertaining half hour of excellent fun. Vocal and instrumental solos and a well-balanced quartet furnished the major part of the offering, which was enthusiastically received by the Engineer audience.

On the 15th day of April a group of entertainers from Pomona College made their appearance in the regular assembly period and offered an hour's program, consisting of songs, jazz music and amusing chatter. The program was, as might have been expected, entirely satisfactory from the local standpoint, in that it featured several charming and talented co-eds.

The next and last exchange program of the year was that presented by the Girls' Glee Club of Occidental College. This was not the first program to be presented by this organization, as they have appeared on the Tech platform every year at one time or another. The program of group songs and solos was quite enjoyable and amusing monologues helped fill out a very entertaining offering.

### TECH STAFF DANCE

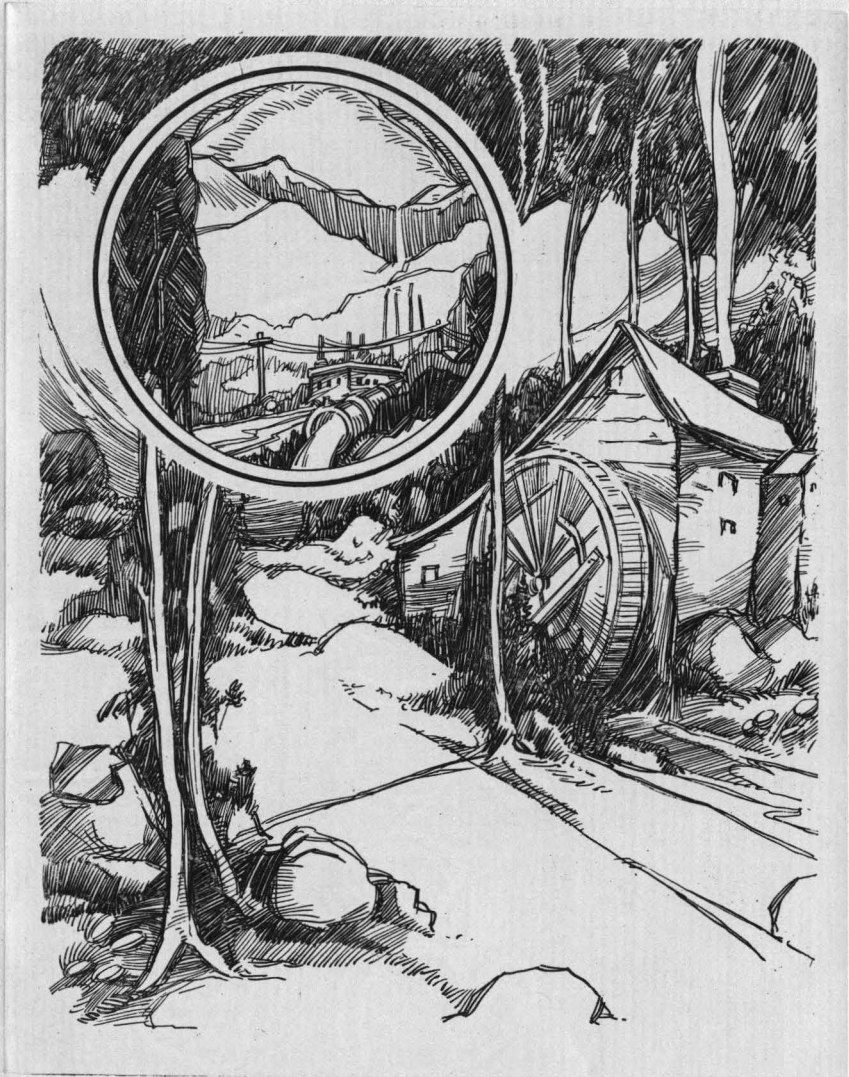
Friday the 13th of May held a joyful portent for the aspiring journalists of the Institute, for it was on that evening that the "Unlucky Promenade" was given in Culbertson Hall in honor of the Tech staff. The dance was the last one of the year to be given in the popular hall and proved to be one of the most interesting of the season. The programs were quite clever, representing as they did the front page of an issue of the Tech, which has not as yet been seen on the campus in the usual size. The leading article on the miniature edition told of the party being held that evening and other articles all pertained to the most interesting occurrences of the week.

There were thirteen dances, quite properly enough, on the program, and the music, furnished by an orchestra of negro jazz-hounds, was of a decidedly superior quality. Those fortunate enough to receive bids to the affair testified to the advantages of holding dances on Friday the 13th, especially when all the arrangements are so carefully attended to. The committee in charge of the dance was so thoughtful that they provided a full moon to light the way home for each and every couple.

### JUNIOR-SENIOR PROM

The last big social event of the year was the long-awaited Junior-Senior Prom, which was held at the Biltmore Hotel on the evening of Saturday, June 11th. An unusually large group of undergraduates and alumni attended this last big affair and the ball was quite generally considered the most successful ever given at Tech. The Seniors were, of course, in the best of good spirits, having graduated but the day before, and having not yet had to settle down to the task of forgetting that they were college graduates.

The Juniors and underclassmen, thrilled over having completed the last of their final exams, were ready for the biggest evening of their young lives, and reports have it that few of them were disappointed. The programs for the affair were quite attractive and received enthusiastic compliments from all sides; the punch was superb, and the orchestra furnished a quality of harmony which was far superior to the ordinary domestic variety.



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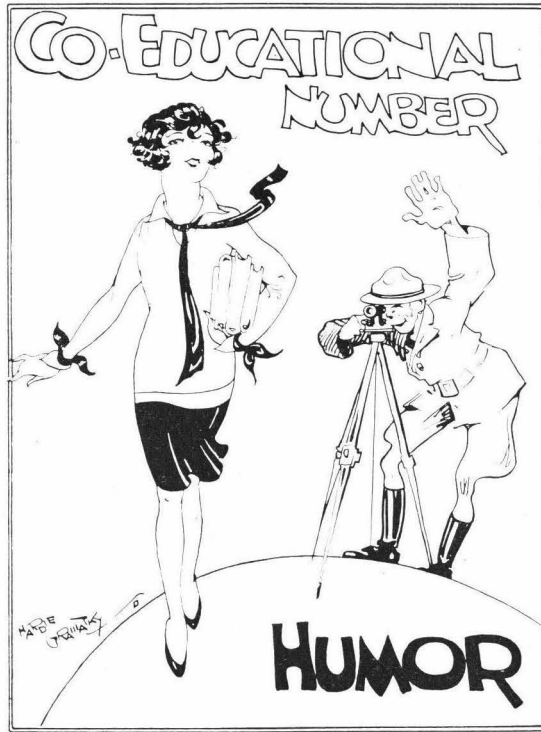
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Me-thinks the humor editor a fellow rightly panned,  
For all his jokes are terrible, and most are second hand

—and I have chosen as our text for today:  
“And Judas went out and hanged himself,  
go thou and do likewise.”

But in case anyone is moved to remark  
that we have funny ideas of what's funny,  
and what isn't, we have prepared the  
answer: “Have you ever heard of any-  
one having serious ideas of what's  
funny?”

Cravitz: Do you know the difference  
between a taxi and a trolley?

Girl: No.

Cravitz: Good, then we'll take a  
trolley.

Moses must have been a fraternity man,  
for he was in the rushes.

I swear my goat Ward Foster gets  
He's always mooching cigarettes.

Why study? A man can't learn to be  
wise, any more than he can learn to  
be handsome.

St. Clair: Yes, Chuck, you are sure  
to go to Heaven.

Schwieso: I hope so, Ray.

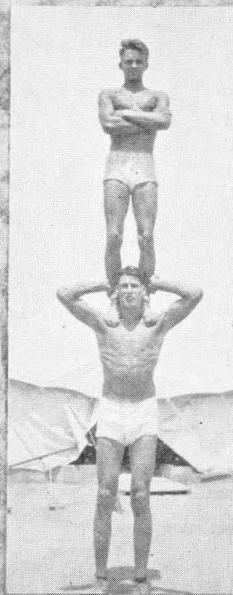
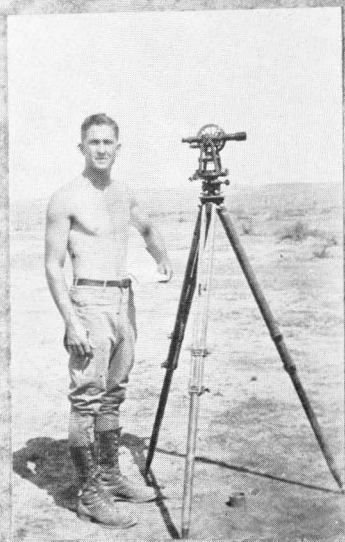
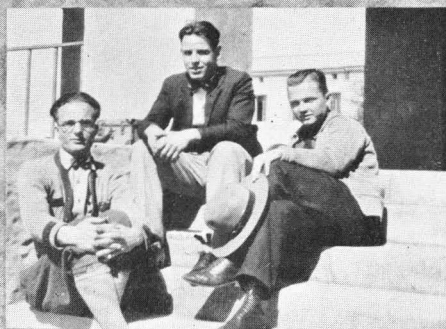
St. Clair: But the big surprise will  
be when you see me there, too.

Prof. Laing: And this woman fasted  
forty days, and—

Student: And got proposals from forty  
Scotchmen.

I call my bankroll “Alcohol” because  
it evaporates so quick.

The BIG T of '27



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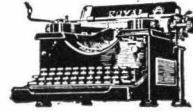
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Bettie: What shape is a kiss?

Eddie: Give me one and we'll call it square.

Little drops of whiskey, then a little gin  
See a nice black coffin, h'mm, might as well get in.

Folsom: What mileage do you get now?

Joujon: About fifty miles per tag.

Dean Hinrichs (in faculty meeting): We get varying reports as to why Mr. Hoover failed in Ph 5. Mr. Loughridge said his class work was poor, but Mr. Van den Akker said it was his lab. work that was poor.

Editor's note: We must omit what Mr. Hoover said.

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## ALL HAIL, THE FACULTY

When the last long reading's taken  
And the test tubes are all dried,  
When the tapes are neatly folded  
And the slide rule's laid aside,

When we enter the hereafter  
We will look around and see,  
And will find that it is governed  
By the profs from C. I. T.

Dr. Millikan on a cloudbank  
He'll be happy all his days  
With a super-oscillator  
Generating cosmic rays.

Dr. Watson will be sitting  
Just to pass the time away,  
With cocoanut, pulley and monkey,  
Waiting for the judgment day.

Bobby Knapp will still be running  
As so many Tech men know  
Steam tests on Satan's boilers  
In the regions down below.

Mr. Converse will be working  
Where the little demons yell,  
With his transit, tape and field book,  
He'll be subdividing Hell.

There will be Professor Merrill  
With two cherubs, yes indeed,  
He will change dihedral angles  
Reducing angel's landing speed.

Maxstadt and dear old Royal  
Will be busy when they've died  
With their meters and their motors  
Getting Hell electrified.

There will be our lanky Michael  
What a lovely task he picks,  
You will find him hydrographing  
All the water in the Styx.

And so throughout the ages  
Tech professors will insure  
Heaven's standards are the highest  
And that all of Hell is pure.

(Contributed by one of the great  
unwashed.)



### NIZE BEBBIE'S BADTIME STORY

Tha dey was warm wit sultry hund hummid. (T=112, h=.6251.) So dunt hesk fulish questshuns. What da crout from pipul was gethurred hon da grantdstants ut da harina huf Tourniquet Park hat Padlock fieldt uf Pessadina. So de kink wit de



crown wit jools set him de babit was non hother then kink Daugherty, whot he was mester from de cerhimonies. H'mm, h'mm, was he dignafied?

Was de glurius day whot dey fed tha plump Christian medens to de lines. Whot day was huddled together hin da center from tha harina, hund da king druppeth tha toothbrush gredually fur da sign tur hopen de gates, fur de lines to come from which.

So de gates heppened hup hand de lines roushed hin. Da blichers went wild, hand de bits huf shoes hand clothings wit dust, markt de spot "X" where stut de medens.

So de hiro, Bin Luxley, hed his hye hon one butiful meden what was werry much batter then hany meden what he hed effer hed hout hin his Peckhard cheriot. So when de lines left honly dis meden fer dessert, de hiro jumped hin, hand when he had safed her, hand was owt from reach from de lines, (hon de wall huf da harina) de

crout was wildt wit yelling. Und what day yellt was, "Thumps down fer tha hiro, benena hoil, hoder menne rezberries wit a poo-poo." H'mm, h'mm.

So when de hiro kissed theh girul wit de sul kiss like what hit says hin de buk huf hediquet hon pedge 132, den he thru de gurl beck to da lines. Whot da bystender hurd him mutter honder his bredth, "H'mm, h'mm, so hiven her best friendt wooden tell her halso. H'mm, h'mm, nize bebbly."

MacMinn: Many a beautiful picture is ruined by a poor frame—Creveling, you asleep again? What did I just say?

Creveling—Yes, er—I mean, sir, you said, "Many a beautiful girl is ruined by a poor frame. You didn't? Guess I must have been asleep, then."

Ross: Wayne, I don't believe you put the light out.

Rodgers: Well, if you think I'd lie about a little thing like that, get up and put it out yourself.

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Time: 8:30 p.m. Place: Culbertson Hall.

Occasion: Most any old class dance.

Max: Didn't I told you every lite must be on?

Us: Aw, come down off your horse, Max.

Max: An didn't I said not to smoke in dis building?

Us: Yea, but listen, Max, the girl I brought said she just craved a Camel, and—

Max: Tha' don' make any difference about—

Us: Oh, by the way, Max, have a cigar.

Max: Oh, that's all right fellars, but be careful of your ceegarettes, and leave some lights on.

Us: Thanks, Max. Here, have another cigar.

*Do You Study in Comfort?*

*If not, see*

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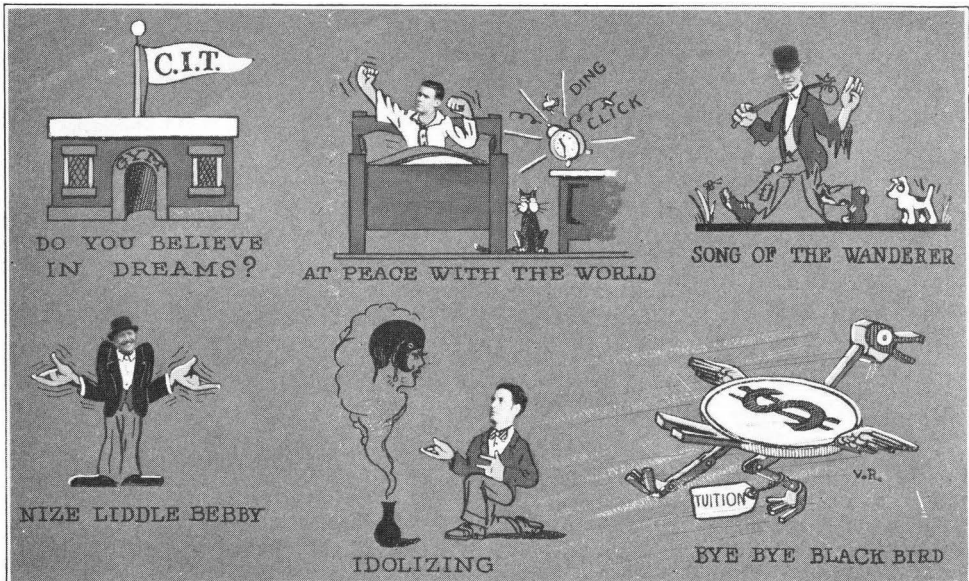
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and  
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Nickell: Shay, ossifer, lend me a matsh.  
A guy jush told me I was lit up, 'n I wanta  
prove 'tain't so.

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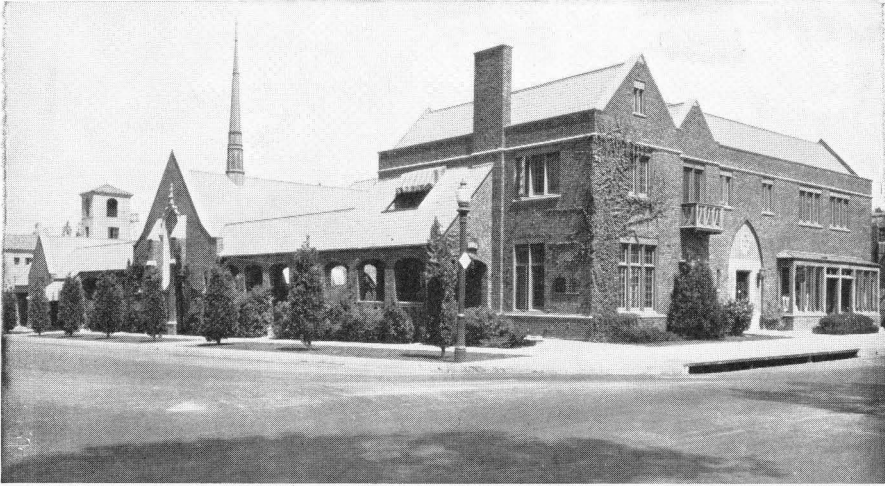
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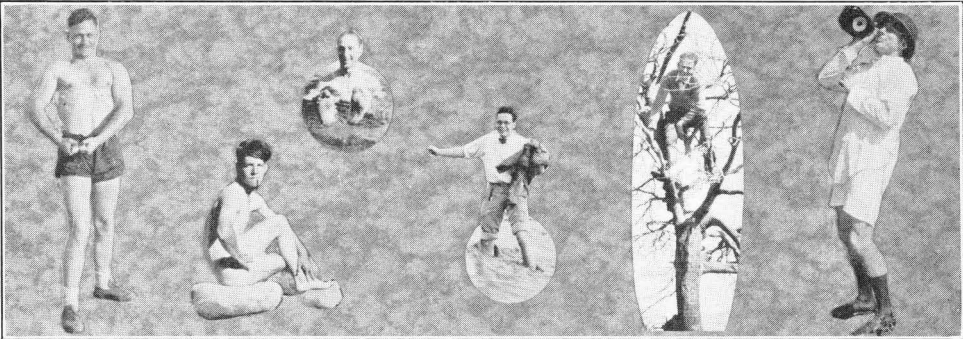


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And the chocolates?  
Why Kaighan's of course!  
And you will find them at

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Judge: What is your name?  
Prisoner: Frank H. Wiegand, sir.  
Judge: Occupation?  
Prisoner: Student of electrical engineering, sir.

Judge: Well, what is the charge against this man?

Clerk: Reversing the watt-hour meter at the Gnome house, causing the city to owe said club the sum of \$13.

Judge: Then the sentence is that he be placed in a dry cell for a month.

Editor-in-chief: You look sick, old man. Been studying hard?

Humor editor: Yeah, trying to think up excuses for printing some of these shady jokes Eddie Jones handed in.

At the glee club concert.

Z. Bradovsky: Are you fond of music?

B. Lankenburg: Yes, very—are you?

Z. Bradovsky: Yes, shall we go outside and smoke?





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'Twas midnite in dormenia  
No sophomore was in sight  
The freshman's eyes burned brightly  
For he'd had a ride that night.

The barefoot frosh stood sitting, with  
His shoes off in the hall  
His feet they were well calloused, for  
He'd many rides that fall.

Great gobs of perspiration  
Came pouring from his pores  
But from his lips came hissing curse  
"God bless all sophomores".

Carter Austin: I beg your pardon,  
miss, but would you care to take a ride?

Miss Take: Sir, I'll have you know  
I'm a lady.

Carter Austin: I know that. If I  
wanted a man, I'd get my dad.

PASADENA

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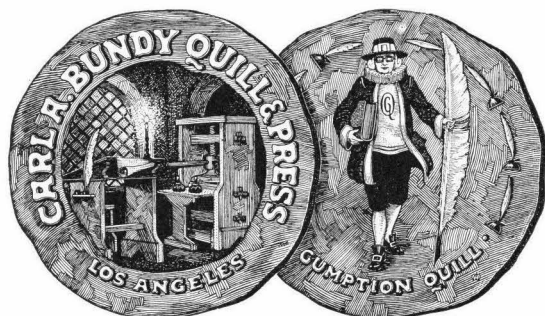
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The BIG T of '27

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of the great institution that publishes it.



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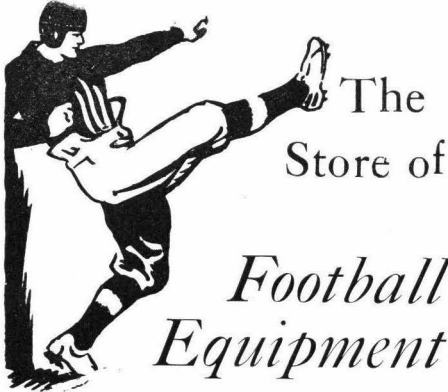
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House mother: My, but this room  
is in terrible shape. Shall I have this  
rug cleaned?

Hale: No, you had better leave it,  
that is Dick Dodge's towel .

On the right, folks, in the next  
cage we have a yell leader, a rare  
bird that inhabits colleges. From  
spot to spot he leaps, waving his arms  
and crying, "Kiskazee, Kiskazahoo,"  
hence Darwin's theory.

"That's a new one on me," cried  
Chillie as he scratched his head.

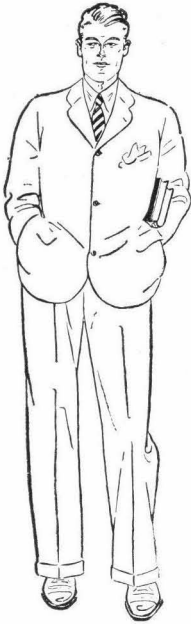
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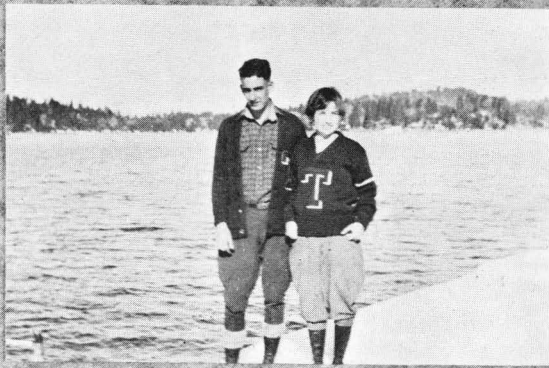
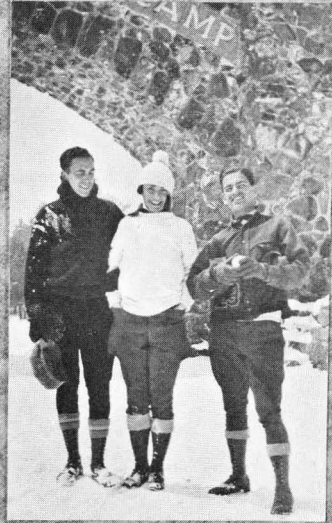
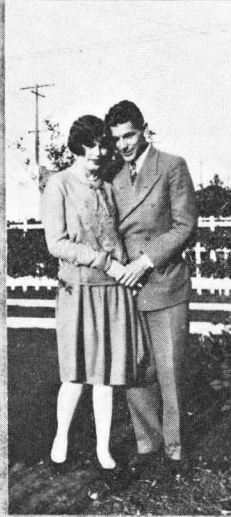
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**HEARD IN THE RADIO ROOM  
ON EXHIBIT DAY.**

Radio 6UE, the California Institute of Technology. The next number on the dormitory phonograph—I mean by the Cal Tech straight eight, will be Blue Skies.

Phone down and tell Wiegand that one of the tubes just burned out.

He says never mind, they both belong to Logan.

Hey, kick that kid out. Mesenkop can't answer that question.

Is that a girl singing, or did Schultz bring over a quart?

It's working keen, gang. A lady across the street just phoned over and said she could hear us.

You said we got a call from Long Beach? Lord deliver us if the radio inspector is listening in. The radio club better disband tomorrow morning.

Well, go ahead with the program. Let them think they're on the air. They won't know the difference.



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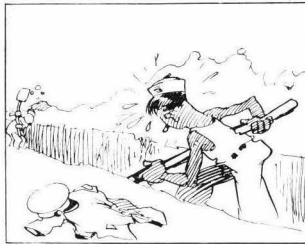
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PASADENA

Mary had a little calf  
She also had a bear.  
I often saw her little calf  
But never saw her bruin.

I bought my girl some garters  
The kind she always wore, but  
She gave them to her mother.  
I don't see them any more.

Old mother Hubbard went to the cup-  
board  
To get her a drink of gin  
But when she got there, the cupboard was  
bare  
And her old man was wiping his chin.

Case: I think we met in this cafe last  
winter. I remember that odd overcoat  
you are wearing.

Browder: But I didn't own it then.

Case: No, but I did.

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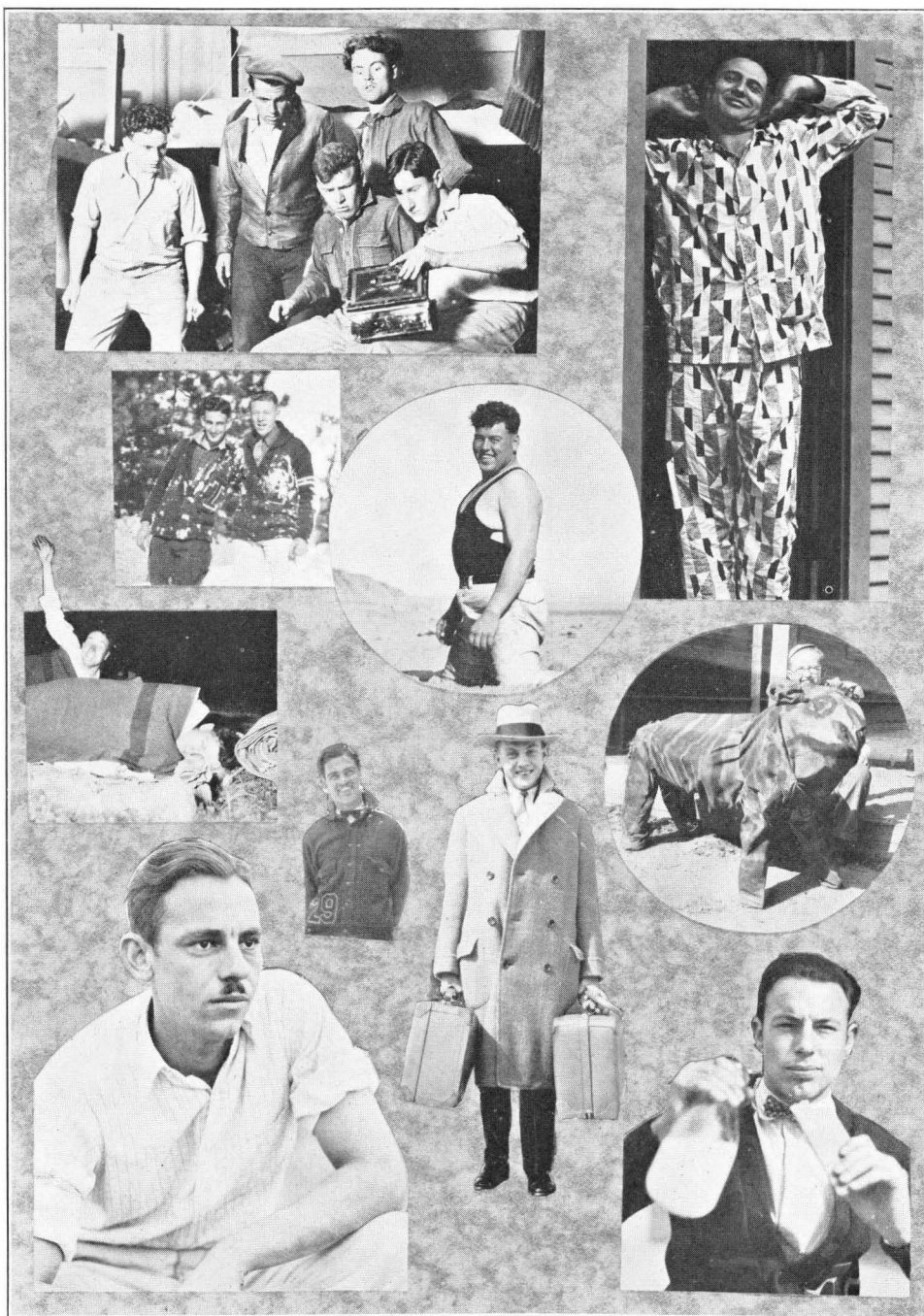
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ATHLETIC STATUES



DIAMOND RINGS



WEDDING RINGS



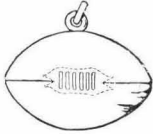
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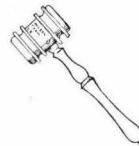
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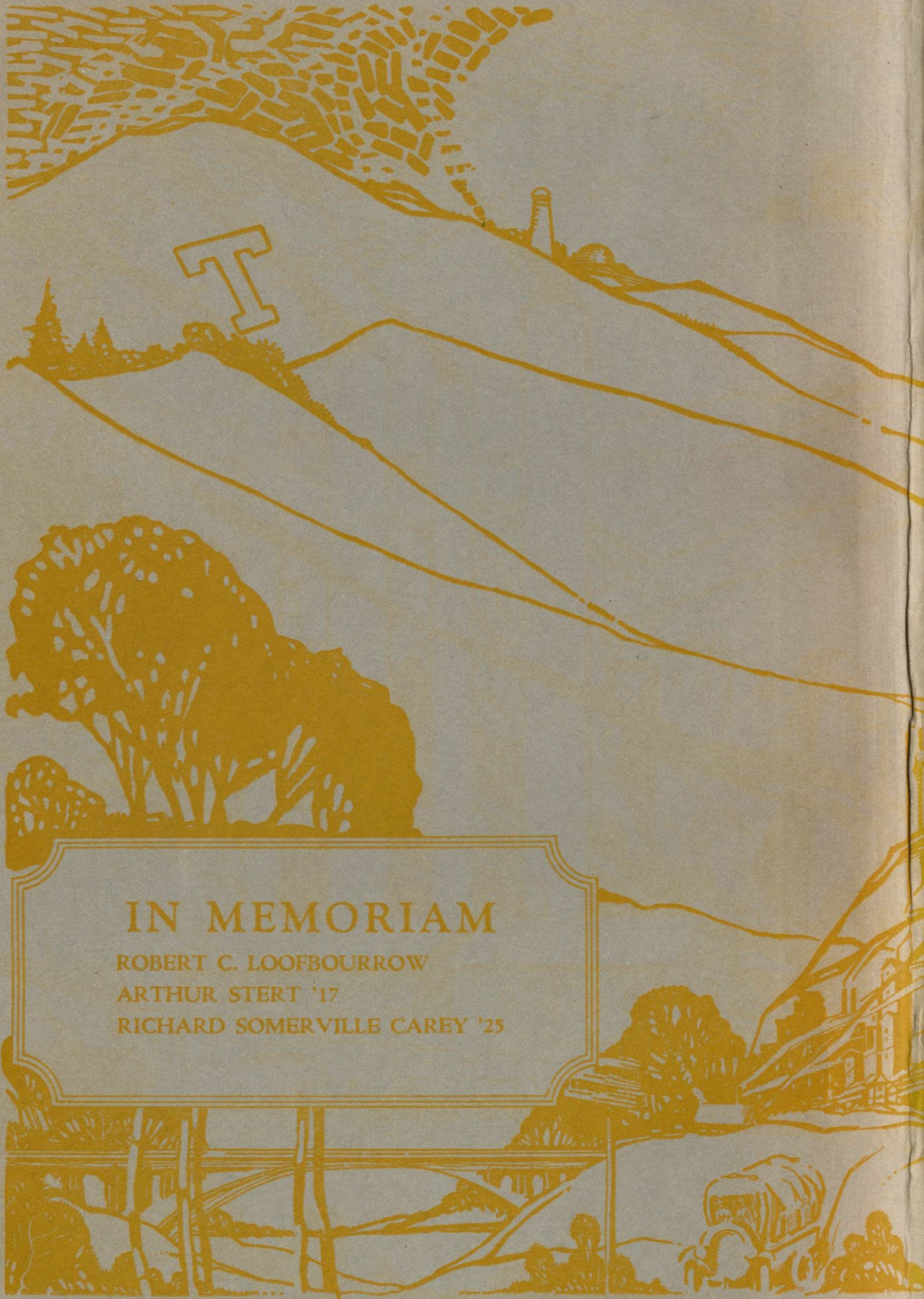
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