

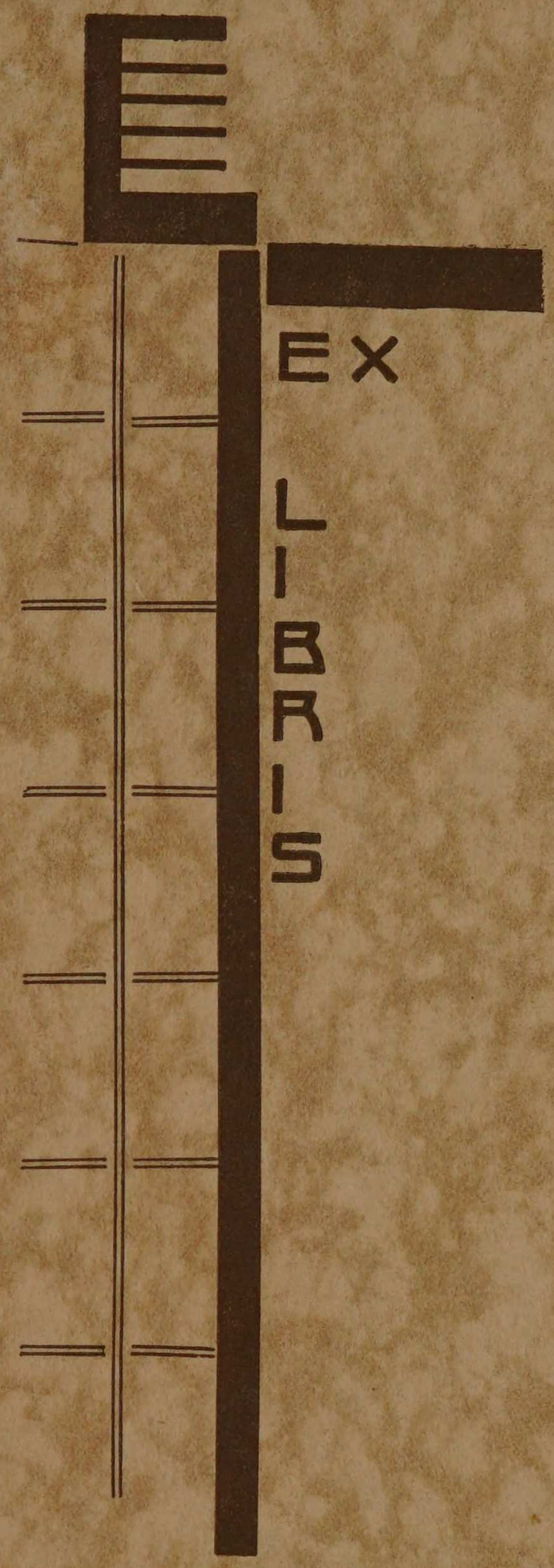
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LIBRIS

THE CYCLE

OF

1933

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COMPILED AND EDITED
BY
CARROLL KELLER SIMONS
EDITOR-IN-CHIEF
AND
ELMER GUSTAVE LUNDIN
BUSINESS MANAGER

1933

THE CYCLE
1933

PUBLISHED BY THE

1932 AND 1933 CLASSES

ARMOUR INSTITUTE OF TECHNOLOGY

CHICAGO, ILLINOIS

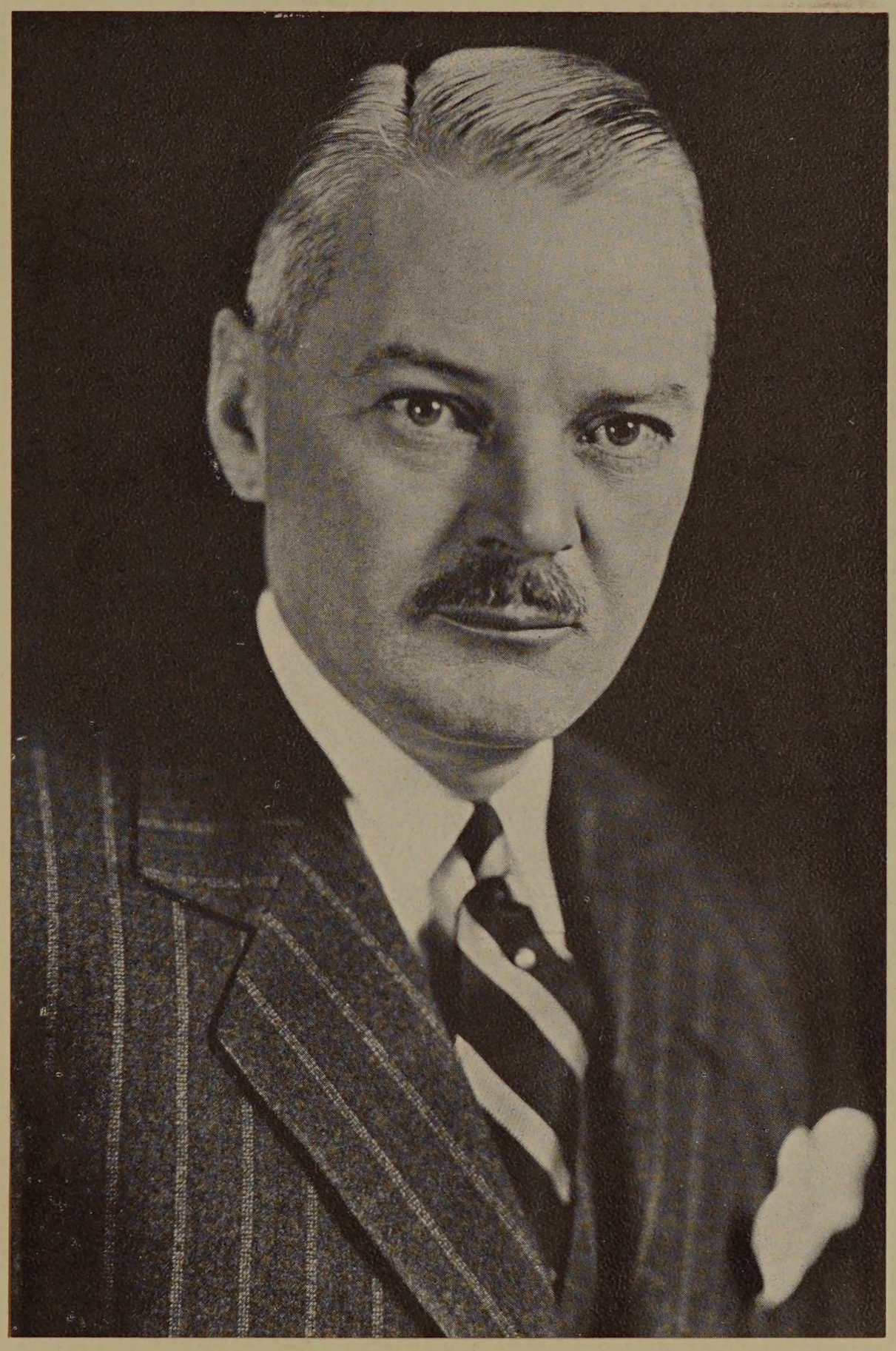
VOLUME XXI

THAT he took us under his arm, or that we took him into our family, does not matter, but that he is one of us, we are heartily proud. In gratitude for the renewed life and promise which he has fostered in our Alma Mater, we present this humble token,

The Cycle of 1933,

to

James Dalton Cunningham



I, The Cycle of 1933,

give you within these covers of mine, tragedy, comedy, history, and song. On that Isle where dwells the Muse of prose and poetry, I was nurtured and cradled. And as I grew, I became filled with epics and lyrics which you, kind reader, are now to scan so eagerly.

Chiefly, I weave the web of romance and reminiscence about the Class of 1933. Within myself I hold the whip hand over fickle memory which might sometime obscure the events and impressions now so vivid and dear. Perhaps, kind reader, I am doomed to remain long unopened after your first interested perusal. But I shall still count myself worthwhile if at a later time you and your classmates shall open my covers and find and know other classmates as well as professors. You may in fancy dream of some sleepy lecture rooms, of some busy and interesting hours in recitation room, laboratory, and drafting room. Amid the events and mishaps of your future, you may smile at the events and mishaps that have been.

I am the answer to the hopes of many minds who have dreamed and labored to give me body and soul. Everyone who has had a part in creating me has given a little of his life blood, has shared a tiny fragment of his soul, has breathed into my being a little of his breath of life, to make me a living reality.

by John Frederic Mangold

CONTENTS

I
ADMINISTRATION

II
CLASSES

III
ACTIVITIES

IV
ATHLETICS

V
ORGANIZATIONS

VI
ADVERTISING

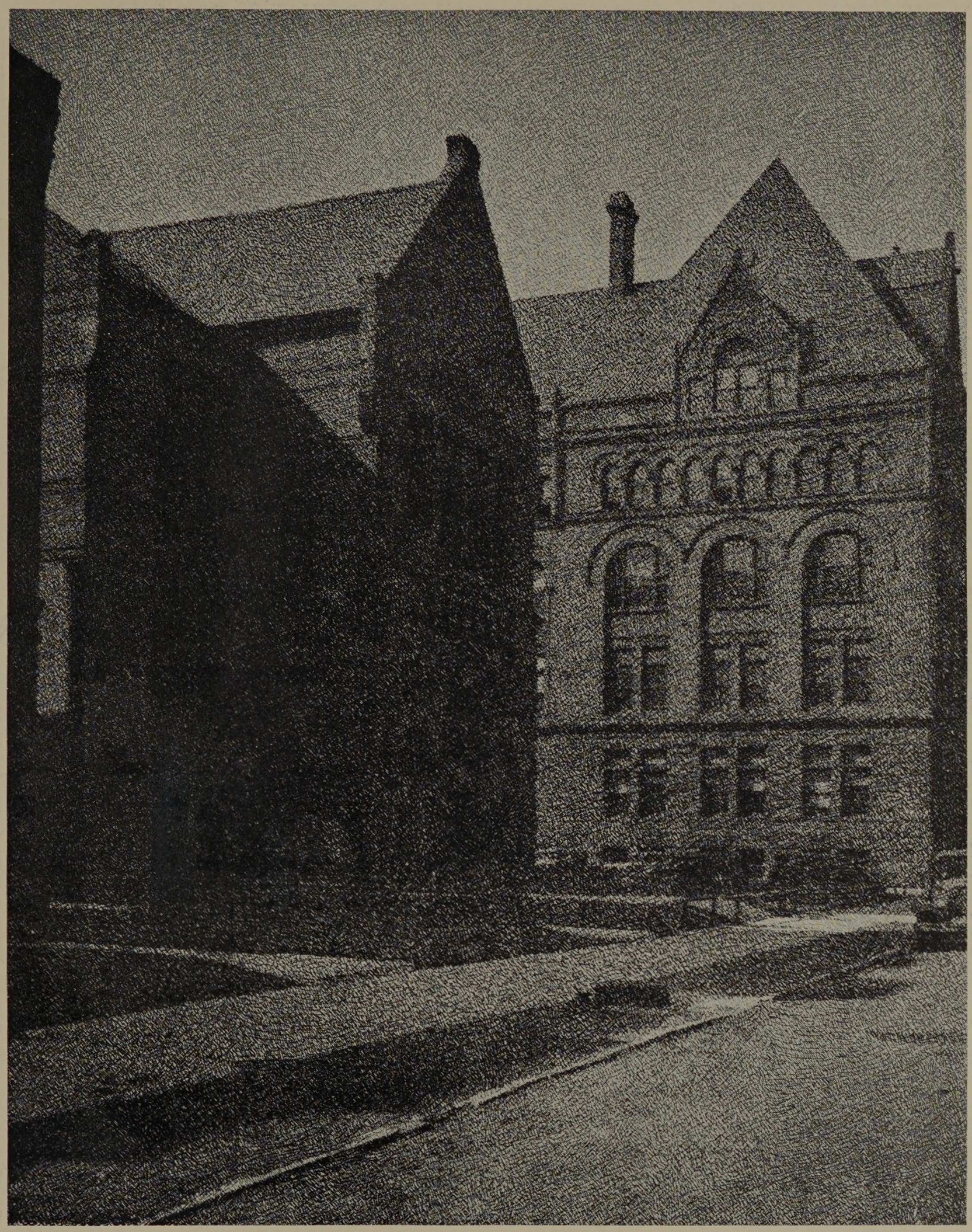
Theme

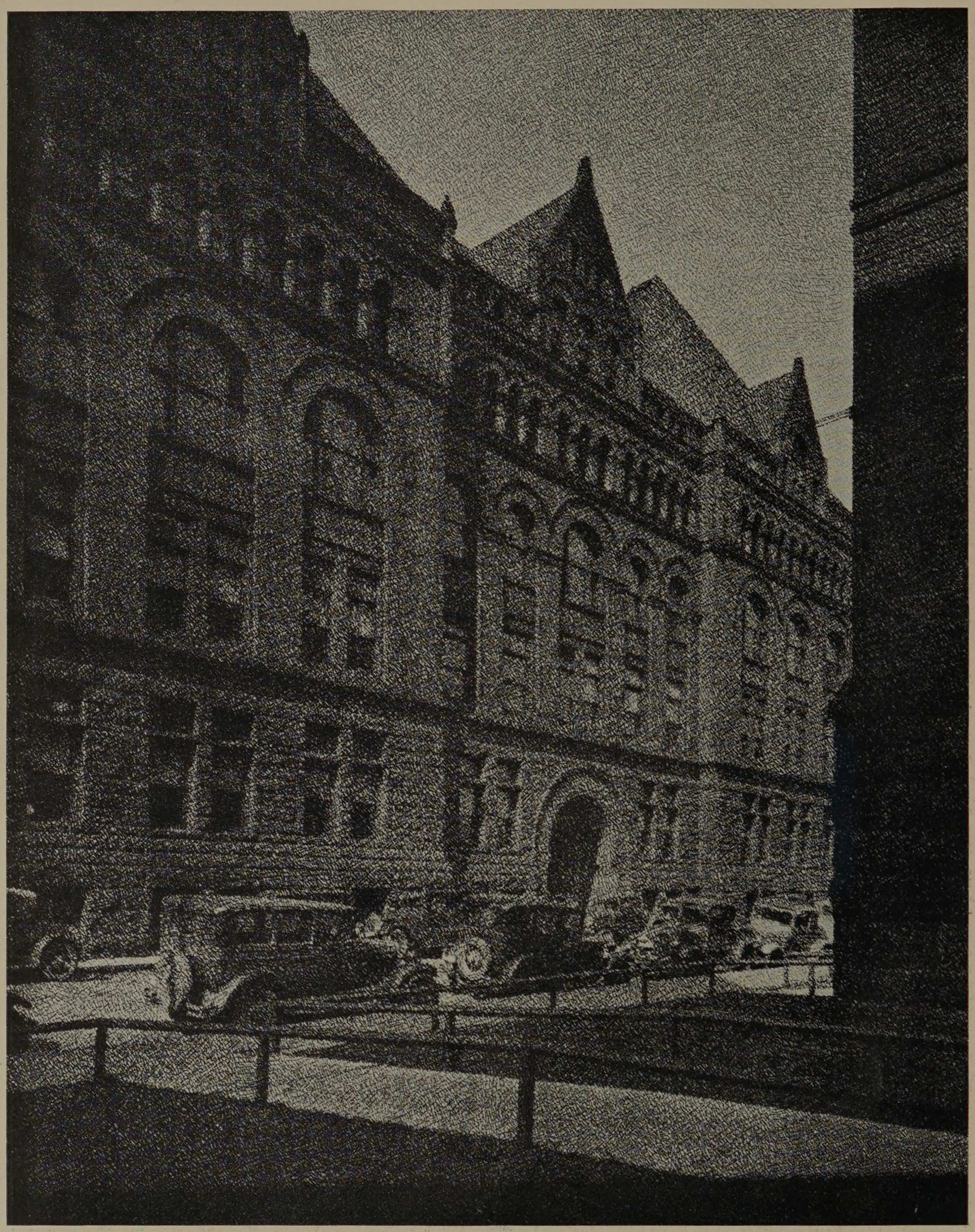
SCIENCE AND INDUSTRY—*the force of the Century of Progress. At the entrance to the Administration Building stand two shining Herculean figures; one emblematic of Science, symbolized by the zodiac circle; the other representing Industry, symbolized by gears.*

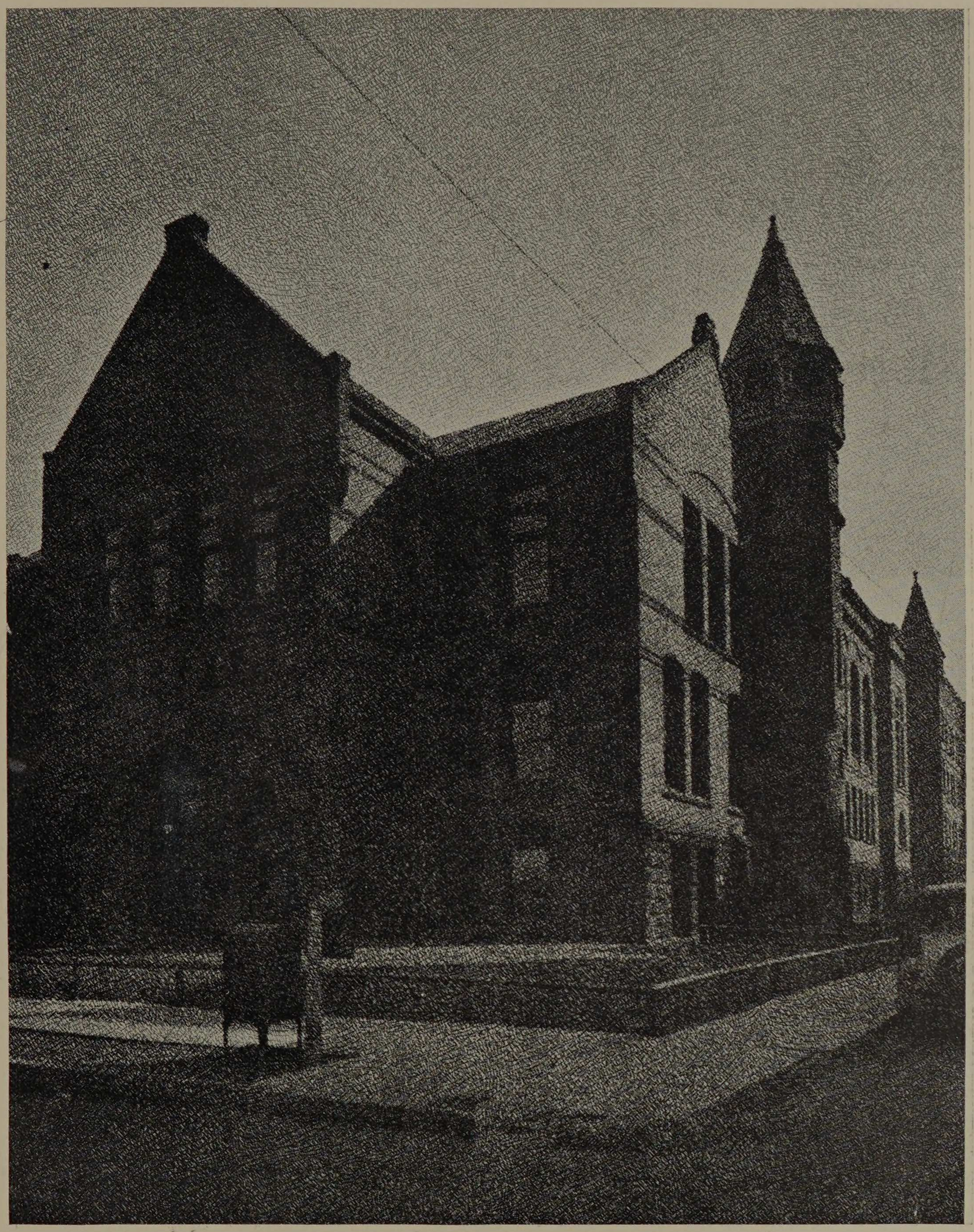
SCIENCE AND INDUSTRY—*the force of Armour Institute of Technology. On the cover of this book is impressed a reproduction of the demi-urge, Industry; in the corner of it is a quarter of the zodiac circle.*

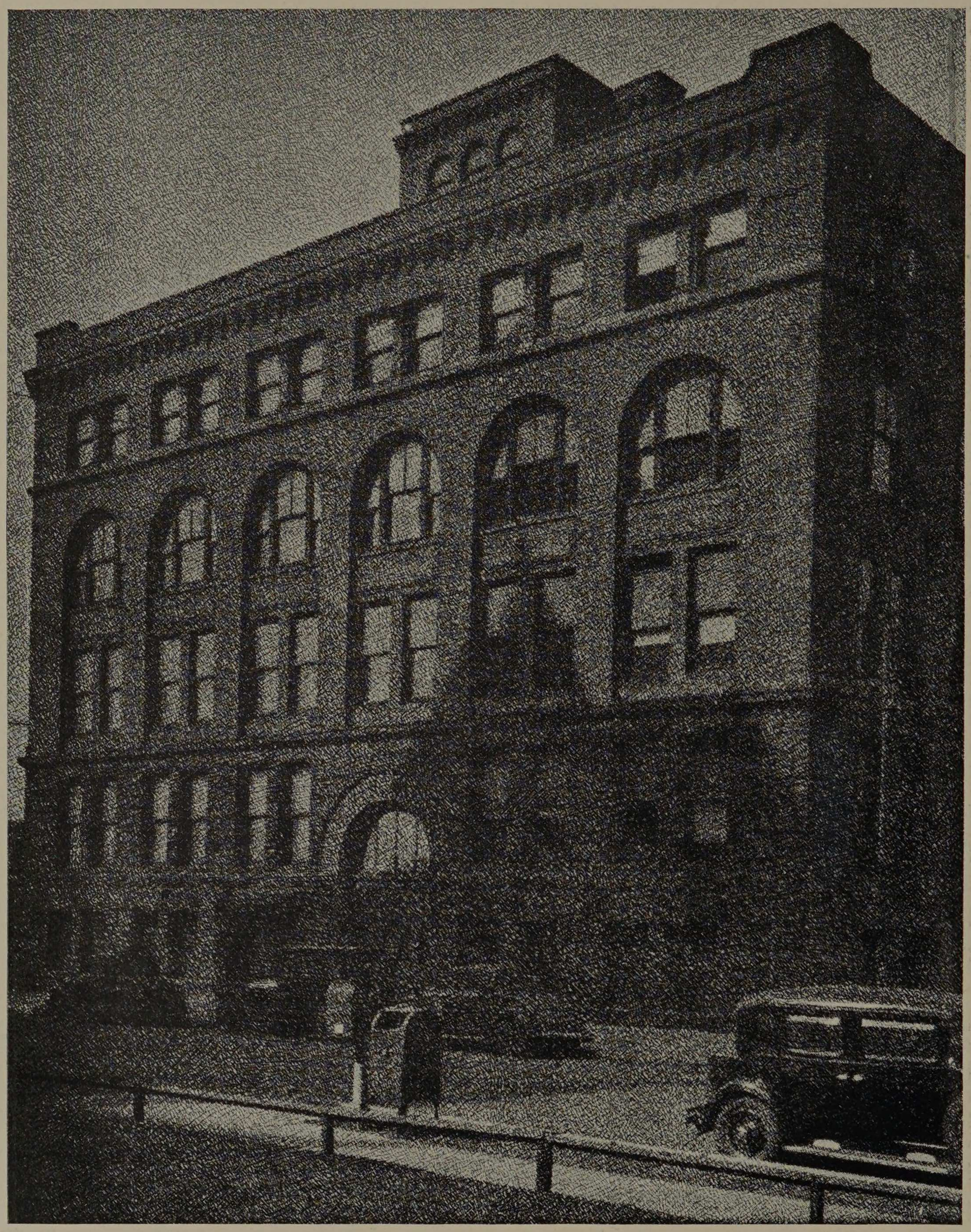
By these powers have been created great things in the past century.

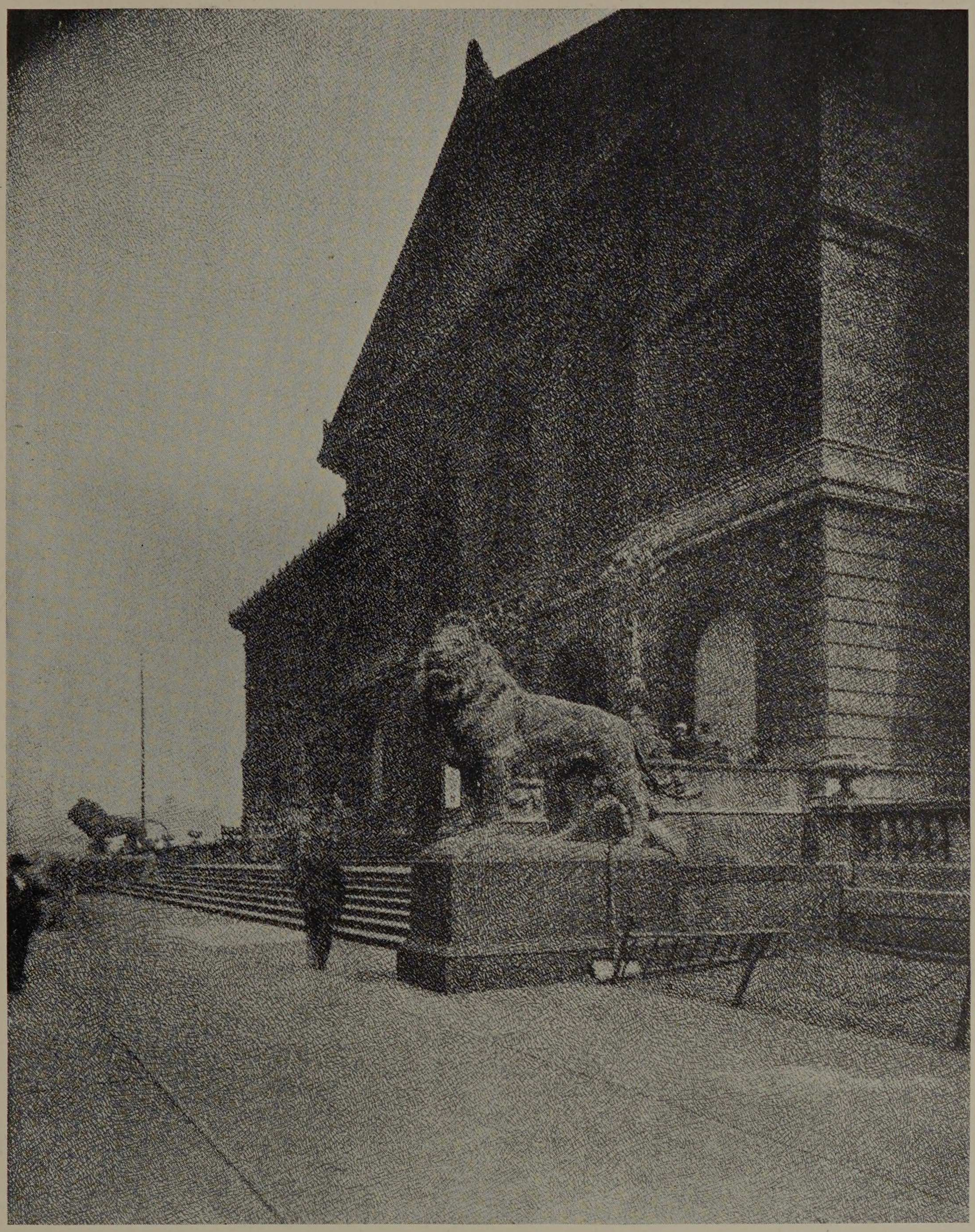
By these same powers will be wrought still greater things in the next century.











let the administrators be the playrights; let grant park be the stage; let the architectural splendor of chicago's skyline be the backdrop. let the story be;—of that eventful century begun in 1833; of the energetic present in which we are glad to be upon the earth; and of the glorious future into which we are always peering. herein is the century of progress exposition. this drama will be presented but once, and when the curtain is rung down only its memory will remain.

ADMINISTRATION

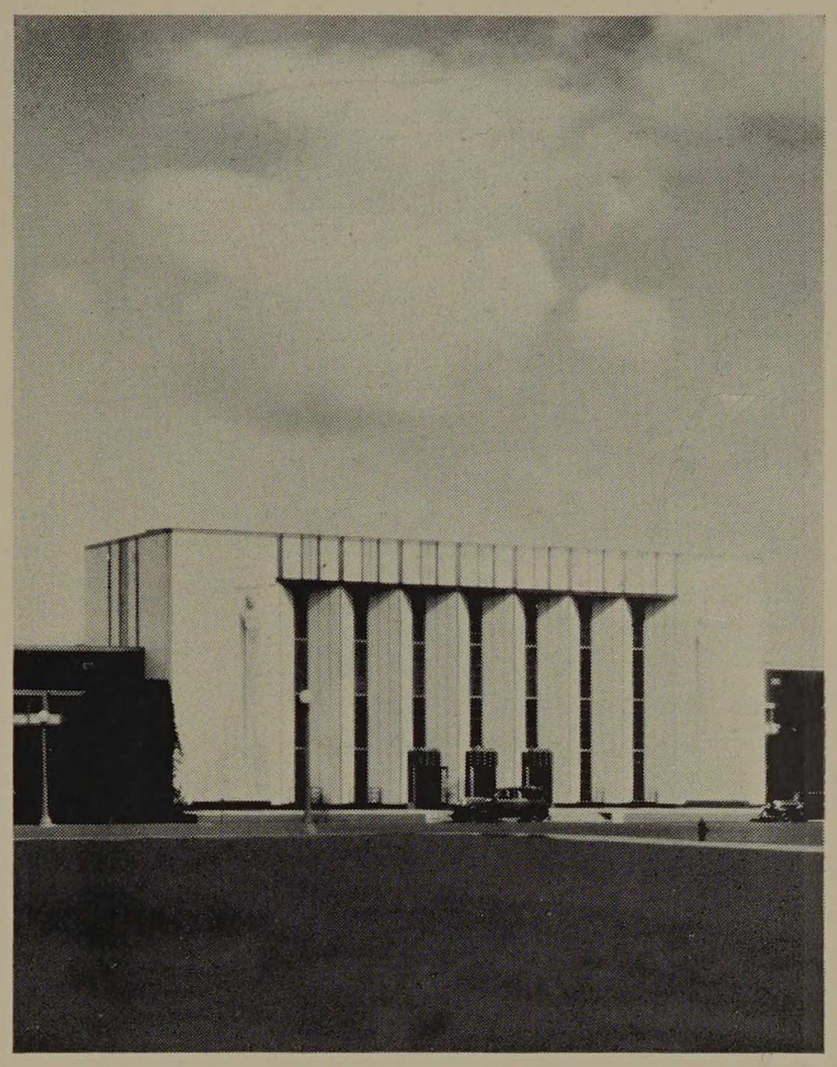
the authors and directors of the play of armour institute have a more lasting plot. already they have more than forty times cast many characters into their respective parts in the great drama of life. in order that they might improve this story and cast into it many new characters, they are preparing a larger and finer stage for its presentation to our audience, industry and the world.



■

in the trustees room of the administration building were formulated the plans which were constantly advanced for the crystallization of our modern creative spirit.

from the library of the minds of our own directors comes the store of knowledge and experience gained from the past, and the vision into the time to be.



INSTITUTE ADMINISTRATION



TRUSTEES

James D. Cunningham,
Chairman

Alfred S. Alschuler

Lester Armour

Philip D. Armour

George W. Borg

Paul H. Davis

Lawrence A. Downs

Charles J. Faulkner, Jr.

Thomas S. Hammond

Robert B. Harper

Roy M. Henderson

Ernest A. Henne

Charles W. Hills, Jr.

Willard E. Hotchkiss

Vincent Bendix

George B. Dryden

Lester Falk

J. J. Merrill

TRUSTEES

Frank Knox

John J. Mitchell

William S. Monroe

Sterling Morton

Harold W. Munday

C. Paul Parker

Stuyvesant Peabody

Howard M. Raymond

George W. Rossetter

John J. Schommer

Bernard E. Sunny

George G. Thorp

Charles R. Tuttle

Russell Wiles

Leo F. Wormser

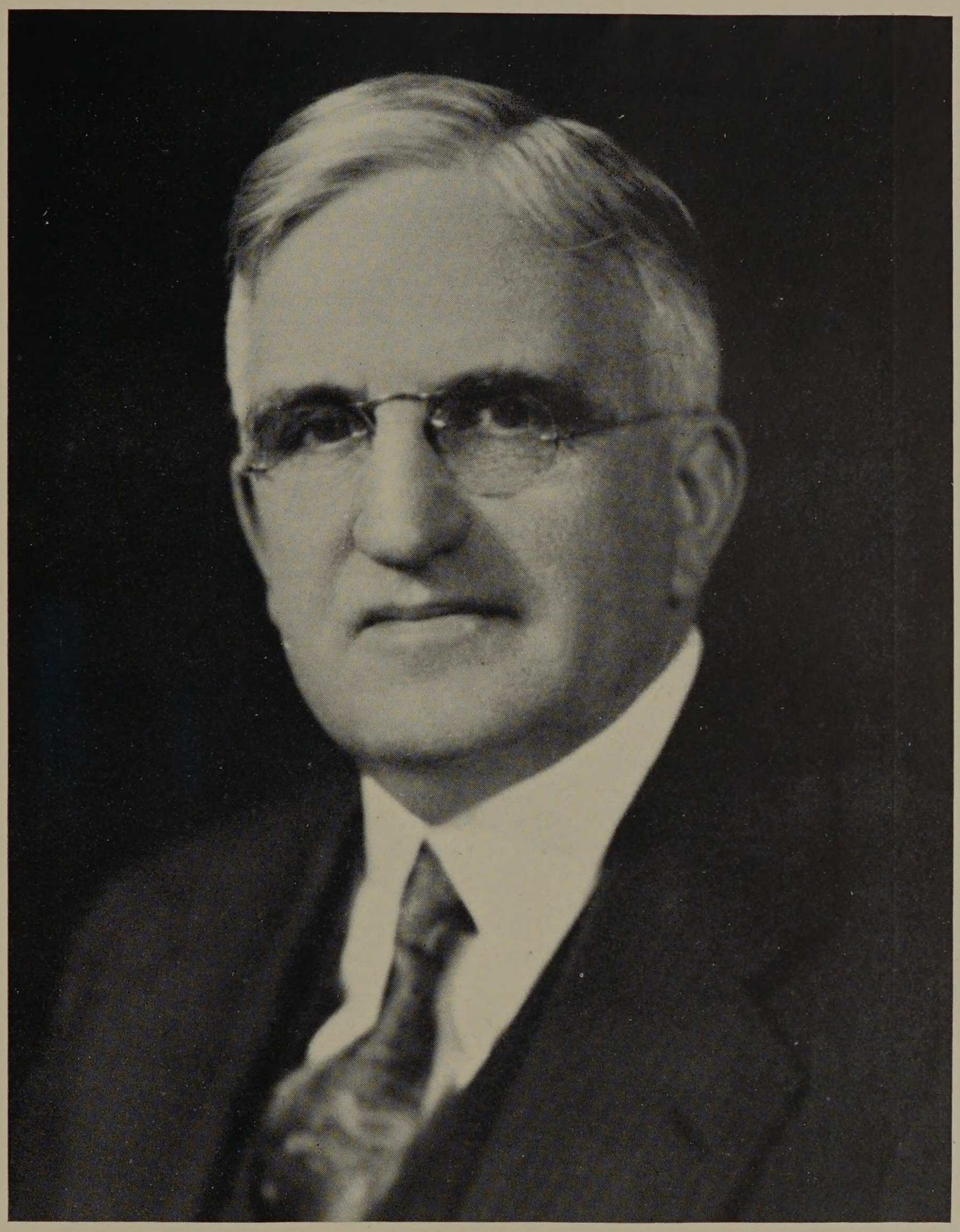


THE CYCLE

IN the film "Cavalcade," Noel Coward has told a stirring tale of the first third of the Twentieth Century. In doing it he has merged all the technics of showmanship with the art of portraying life. The period of upheaval he depicts is the one in which Armour Institute of Technology has been sending out men to merge their technical competence with the art of living; and now the next third of the century is upon us.

This next third of a century will be your moment of time — you men of Armour today. It requires no gift of prophesy to predict for you a time of stirring events. You will need every bit of competence which your native ability, your eagerness to learn, and our eagerness to teach, can give you. You will confront problems as yet unsolved, of adjusting technical and human factors in living. Armour Institute of Technology is trying to help as best it may to equip you for this task. We all bid you God Speed.





DOCTOR WILLARD EUGENE HOTCHKISS

President

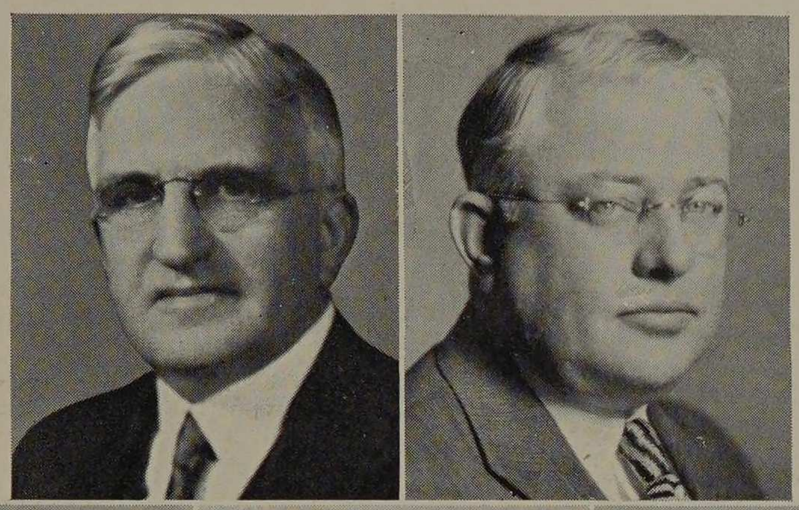
ARMOUR INSTITUTE OF TECHNOLOGY

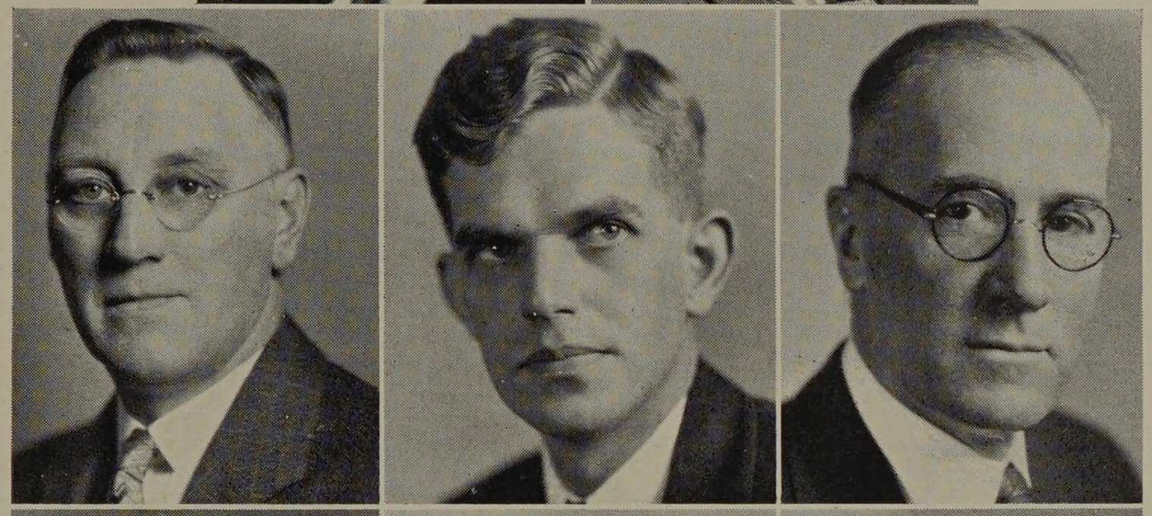


DOCTOR HOWARD MONROE RAYMOND

President Emeritus

ARMOUR INSTITUTE OF TECHNOLOGY





Willard E. Hotchkiss George S. Allison
John C. Penn Henry T. Heald Robert V. Perry
Ellen Steele Wilmot C. Palmer William E. Kelly

OFFICERS OF ADMINISTRATION

Willard Eugene Hotchkiss
President

Henry Townley Heald
Assistant to the Dean

Ellen Steele
Librarian

George Sinclair Allison
Secretary and Treasurer

Robert Vallette Perry
Dean of the Evening Classes

Wilmot Cecil Palmer
Cashier

John Cornelius Penn
Dean of Engineering

William Ernest Kelly
Recorder



James D. Cunningham

THE DEVELOPMENT COMMITTEE

James D. Cunningham
Chairman

Alfred S. Alschuler
Paul H. Davis
Charles W. Hills, Jr.
Dr. Willard E. Hotchkiss
John J. Mitchell
Sterling Morton
Harold W. Munday
Russell Wiles

FINANCE COMMITTEE

Sterling Morton
Chairman

Paul H. Davis
John J. Mitchell

THE DEVELOPMENT PLAN

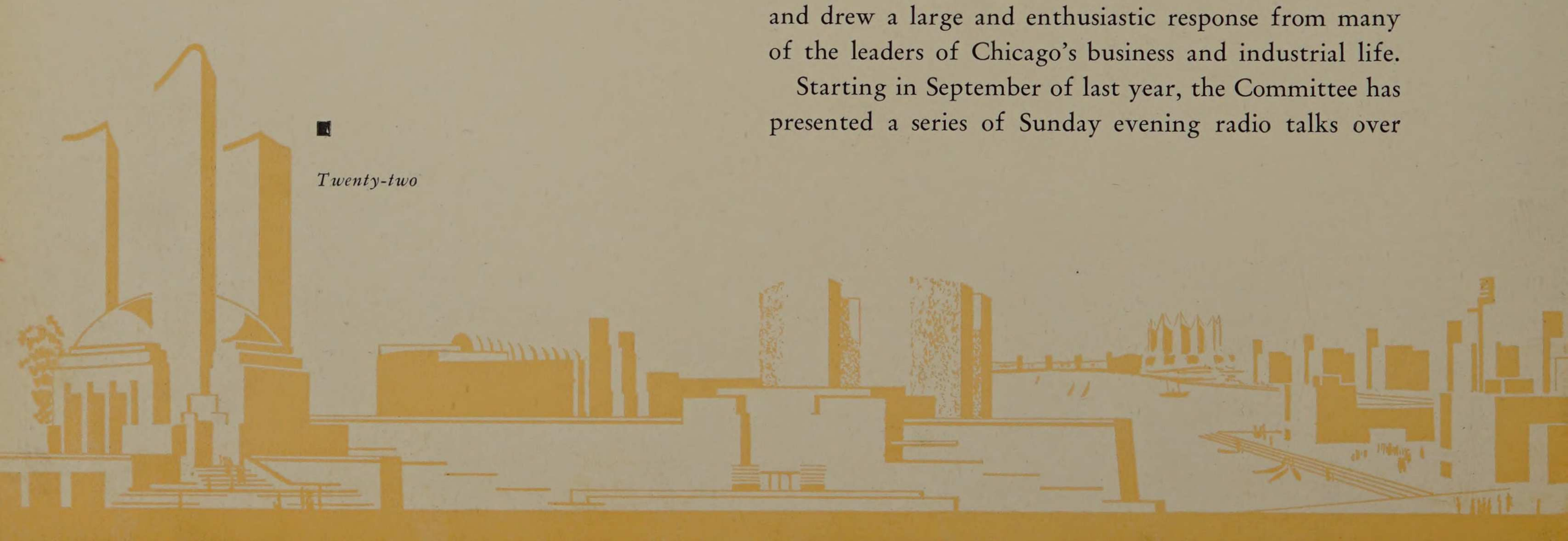
The Development Committee of the Board of Trustees is bringing to a close the second active year of its program to broaden the usefulness of Armour Institute of Technology in the engineering and industrial world of the middle west.

When school was opened last fall, the new Department of Science bore testimony to the fact that the Committee's recommendations for development were being carried forward. Organized and headed by Professor Charles E. Paul, the new department has increased in size and popularity during the school year in a manner which indicates that it is sure to become an important part of the curriculum.

Throughout the summer and autumn months, the Committee worked strenuously in their search for a man who would be fully qualified to fill the executive position left vacant by the retirement last June of Dr. Howard Monroe Raymond. Many candidates were considered, their records carefully reviewed and their qualifications studied. The search was brought to a successful conclusion shortly after the first of the year, when Dr. Willard E. Hotchkiss was secured for the presidency. With a broad background of successful organization work both in industry and in education, Dr. Hotchkiss has had a richness of experience which assures the Committee of his ability to handle the problems which he is facing here. He believes thoroughly in the policies which are embodied in the Committee's recommendations. His work during the few brief months he has been here has amply justified the Committee's confidence in his leadership.

Along with its other activities, the Development Committee has sought constantly to publicize the school's activities, and particularly to command the attention of the more important industrial and commercial interests of Chicago. Results of this phase of the program have been gratifying. The first published announcement of the development program created widespread interest, and drew a large and enthusiastic response from many of the leaders of Chicago's business and industrial life.

Starting in September of last year, the Committee has presented a series of Sunday evening radio talks over



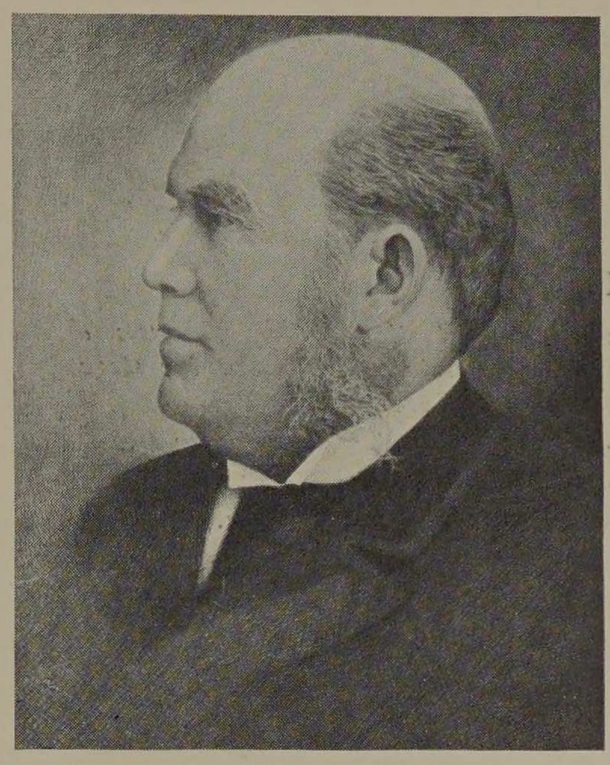
Station WJJD, Chicago. The programs aim rather to create a wider general understanding of engineering work and its importance to society than to advertise the school specifically. Inquiries to WJJD indicate that these talks have stimulated considerable interest, particularly among high school students throughout the middle western states, and that in these programs Armour is making a substantial contribution toward a fuller appreciation of engineering.

The faculty lecture bureau, which was organized last spring for a series of talks in Chicago and suburban high schools, has carried on a full program during the entire school year. This work, undoubtedly, was an important factor in making this year's enrollment the largest in Armour history, at a time when many institutions are handicapped by small enrollments.

In their efforts to gain financial support with which to carry on the broad program for future development, members of the Committee have worked tirelessly in the face of trying circumstances. Until quite recently, uncertainty has prevailed in the economic scene, and the release of any considerable funds from individuals or corporations has been impossible. The Committee's success in this direction, therefore, has been surprising. Loyal alumni contributed generously to the promotional fund with which the Development Committee's work was inaugurated. Many outside interests have indicated their desire to assist in carrying forward the Institute's program.

"The resumption of business activity seems to be definitely here," said Mr. James D. Cunningham, commenting on the position of the college, "and we are sure to find that many advantages arise from the very tardiness of this recovery. Few executives will permit a re-occurrence of the too-rapid expansion and the oversized schedules of production which prevailed a few years ago. Business activity generally is increasing, but on a sounder, more considered basis.

"We are confident that as this activity grows, Armour Institute of Technology will gain the support which is merited by its forty years of service to Chicago's industries, and by its present determination to broaden the scope of that service."



Philip D. Armour

IN 1893—IN 1933

In the first public announcement issued by Armour Institute of Technology, in September of 1893, the ideals of Philip Danforth Armour, founder of the college, were set forth as follows: "The Founder has conditioned his benefactors in such a way as to emphasize both their value and the student's self-respect. The Institute is not a free school, but its charges for instruction are in harmony with the spirit which moves alike the Founder, the Trustees, and the Faculty; namely the desire to help those who help themselves."

It is this same desire which has motivated the Development Committee in its work of the last two years. Realizing that the engineering and industrial science has changed considerably, and that expressions of service in that scene must change also, the Committee is endeavoring to keep following the course which was charted forty years ago by the Founder, and to keep correcting that course by consideration of shifting social winds.

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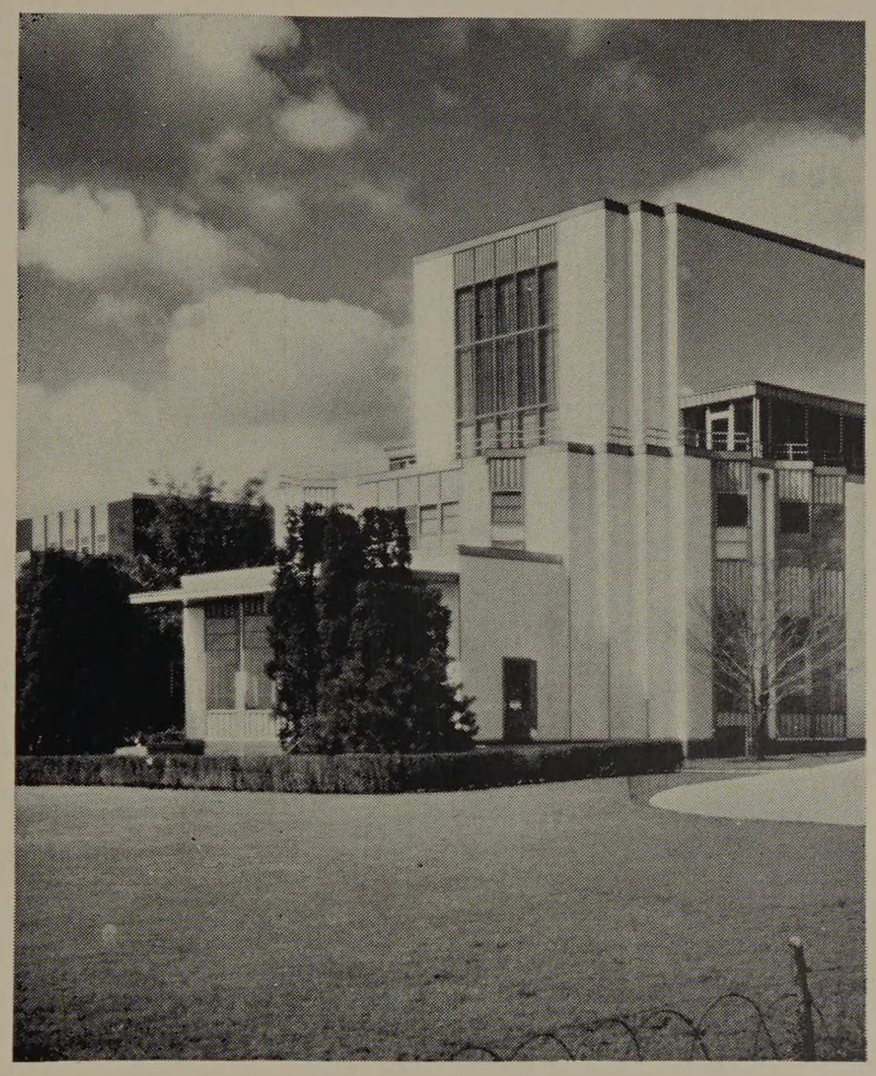
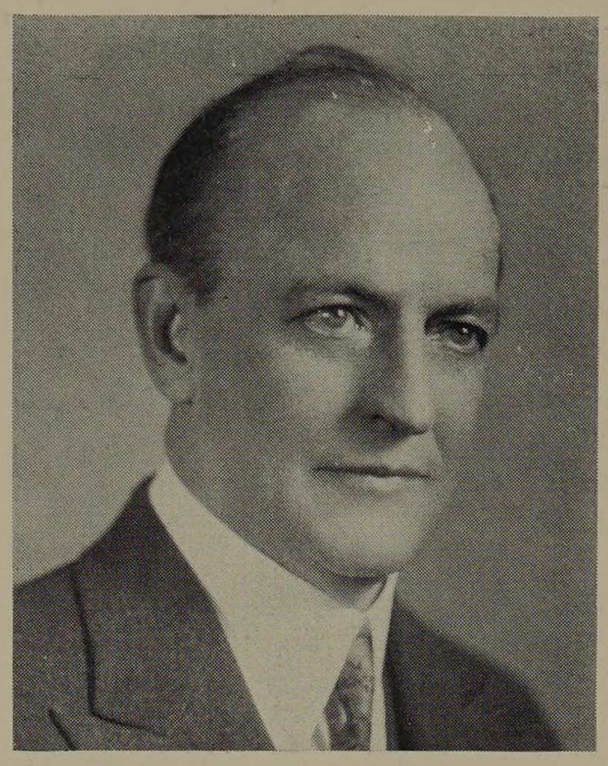
the administration building houses also the scenic studios wherein were created the stage properties for the play of "progress."

that great body of artisans and craftsmen—our faculty—builds, each group, its own part in the minds and lives of us, the students.



FACULTY



George F. Gebhardt

Robert Vallette Perry M.E.
B.S. and M.E. Armour Institute of Tech.
Dean of Evening Classes and Professor of Machine Design
Tau Beta Pi, Pi Tau Sigma, Theta Xi

Daniel Roesch M.E.
B.S. and M.E. Armour Institute of Tech.
Professor of Automotive Engineering
Tau Beta Pi, Pi Tau Sigma, Phi Pi Phi

James Clinton Peebles M.M.E.
B.S. and E.E. Armour Institute of Tech.
M.M.E. Cornell University
Professor of Experimental Engineering
Sigma Xi, Gamma Alpha, Tau Beta Pi, Pi Tau Sigma, Sphinx, Sigma Kappa Delta

Henry Leopold Nachman M.E.
B.S. and M.E. Armour Institute of Tech.
Professor of Thermodynamics
Tau Beta Pi, Rho Delta Rho

Edwin Stephen Libby M.E.
B.S. and M.E. Armour Institute of Tech.
Professor of Refrigeration Engineering
Tau Beta Pi, Pi Tau Sigma, Sigma Kappa Delta

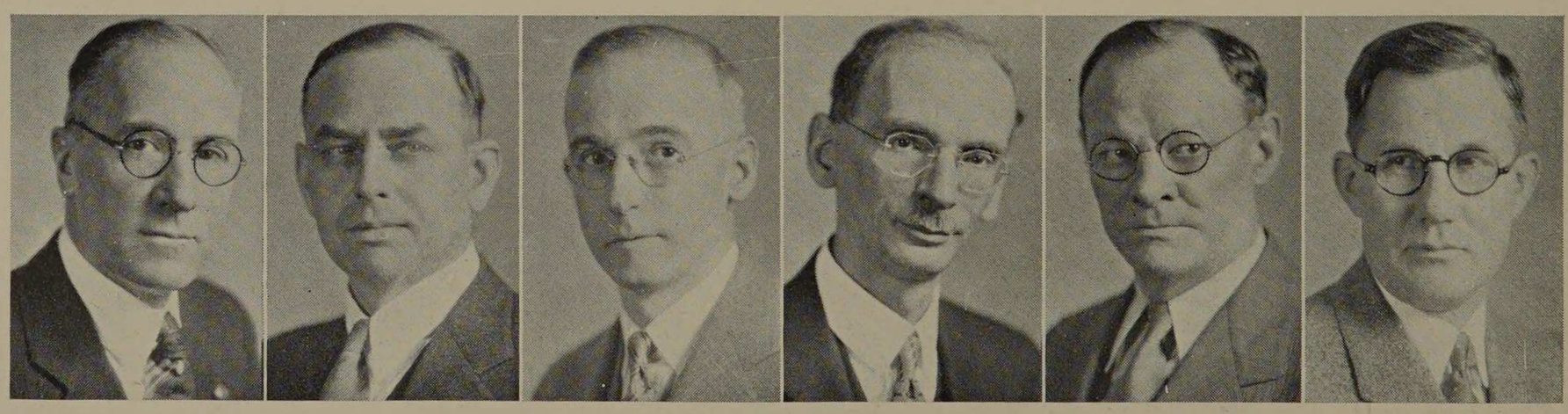
Philip Conrad Huntly B.C.E.
B.C.E. University of Arkansas
Professor of Experimental Engineering
Black Knight, Tau Beta Pi, Pi Tau Sigma, Chi Epsilon, Sigma Chi, Triangle

DEPARTMENT OF MECHANICAL ENGINEERING

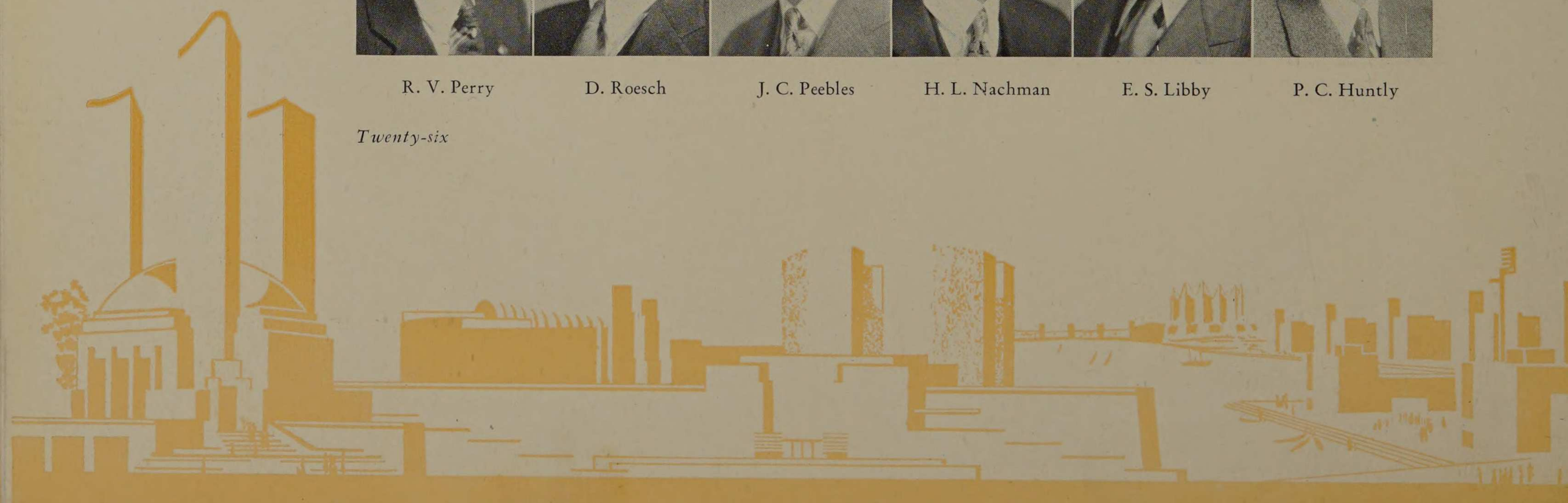
George Frederick Gebhardt, A.B., M.E.

A.B. and M.S. Knox College
M.E. Cornell University
Professor of Mechanical Engineering and Head of the Department
Tau Beta Pi, Pi Tau Sigma, Phi Delta Theta

What changes have been made since last year in the curriculum of the Mechanical Engineering Department and what new equipment has been added? What changes and additions are in view for the immediate future? These and similar questions have been asked from time to time. The answer is, None! No changes have been made in the curriculum because it is in conformity with that of the leading engineering schools of this country and because it has given the kind of training best suited to the needs of student and employer. No material change is contemplated at present, though it is quite probable that some adjustments may have to be made from time to time to meet with the demands of industry. It must not be inferred from this statement that there is no room for improvement—there is, and plenty of it—but more in increasing efficiency of instruction than in change of subjects. Armour is an engineering school, not a school of science, and as such its main objective is to train the student for the engineering profession. As for equipment, suffice to state that the present apparatus is wholly adequate for the purpose at hand. To be sure, modern up-to-the-minute devices are desirable for the purpose of showing the latest development of the art, but they are not essential to a thorough grounding in fundamentals. In industry a piece of machinery is not obsolete, whatever may be its age, until

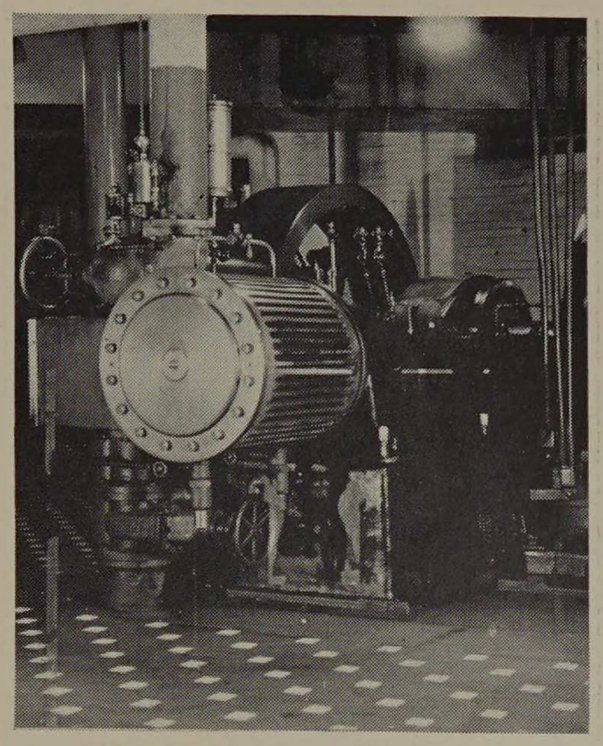


R. V. Perry D. Roesch J. C. Peebles H. L. Nachman E. S. Libby P. C. Huntly



it fails to return a net profit equal to that of its more modern competitor. In education a piece of laboratory apparatus is never obsolete since it will always illustrate the application of certain fundamental principles. It may lack the efficiency or precision of a more modern device and it may be inadequate for practical purposes but from an educational standpoint it will never cease to be of value so long as it is physically intact. Take for example, the old piston engines in the steam laboratory. They are poor representatives of our latest designs but what more can the student learn in the way of fundamentals from the latter which cannot be obtained from the former. The ice plant from a practical standpoint is as obsolete as the dodo, but what principle can be shown in the latest installation which is not included in this old patriarch. After all it is not the equipment, but the faculty, which makes the school. The faculty of the mechanical engineering department is a seasoned body of engineers, experienced in teaching, and the individuals are recognized authorities in their chosen line, and whatever may be the status of the equipment, its limitations are more than made up by the efficiency of instruction.

It is quite probable that an attempt will be made to add a post graduate course for those who care to continue academic work, but all depends upon the demand. It is also possible that the Research Institute and the Technical Institute as advocated by the "Armour Plan" may take tangible form in the near future, but this is largely a matter of finance. Meanwhile the Mechanical Department will continue to function along those lines which have been eminently successful for 40 years.



Charles Roscoe Swineford M.E.
B.S. University of Michigan
M.E. Armour Institute of Technology
Associate Professor of Machine Design

Stanton Edwin Winston M.E.
Colorado School of Mines
A.B. and A.M. University of Denver
B.S. and M.E. Armour Institute of Technology
Associate Professor of Kinematics

Lynn Eugene Davies M.E.
B.S. and M.S. Armour Institute of Technology
Associate Professor of Experimental Engineering

Richard Joseph Foster B.S.
B.S. University of Nebraska
Associate Professor of Descriptive Geometry

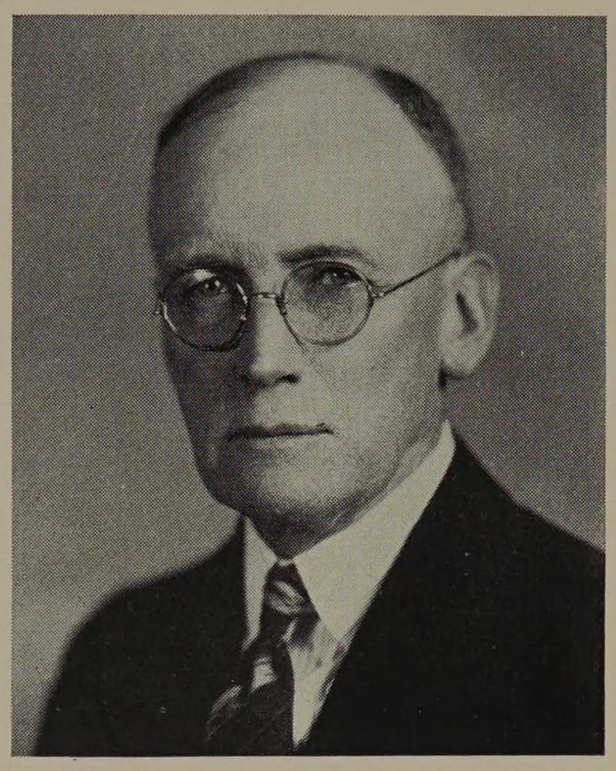
Walter Henry Seegrist M.E.
B.S. Purdue University
M.E. Armour Institute of Technology
Assistant Professor of Machine Design
Phi Kappa Sigma

Arthur William Sear M.E.
B.S. University of Minnesota
M.E. Armour Institute of Technology
Assistant Professor of Elementary Machine Drawing
Pi Tau Sigma, Theta Xi



C. R. Swineford S. E. Winston L. E. Davies R. J. Foster W. H. Seegrist A. W. Sear

DEPARTMENT OF CIVIL ENGINEERING



Melville B. Wells

Melville Baker Wells, B.C.E., C.E.

B.C.E. and C.E. Purdue University
Professor of Civil Engineering and Head of the Department
Tau Beta Pi, Honorary Member of Chi Epsilon, Phi Delta Theta

A new development in the Department of Civil Engineering is the post-graduate course, for which six men are now registered. The subjects include advanced work in strength of materials, statically indeterminate structures, water supply engineering, sanitary engineering, and foundations, with special consideration to soil mechanics. The students who complete the required work satisfactorily will receive Masters' degrees.

Members of the faculty who are teaching these subjects find in them opportunities for their own development greater than are found in the under-graduate courses, and in thus serving themselves, they have the satisfaction of knowing that they are helping our graduates.

The Department is now completing the construction of a water treatment and filteration plant, with a capacity of twenty-five gallons per minute, for educational and research purposes. The advantages of treated water for commercial and industrial as well as domestic uses is now universally appreciated, and Armour Institute of Technology is, perhaps, the first educational institution offering the student of the water supply the advantages of an actual operating plant. The installa-

John Cornelius Penn C.E.
B.S. and C.E. Armour Institute of Technology
Dean of Engineering, and Professor of Civil Engineering
Tau Beta Pi, Chi Epsilon, Theta Xi

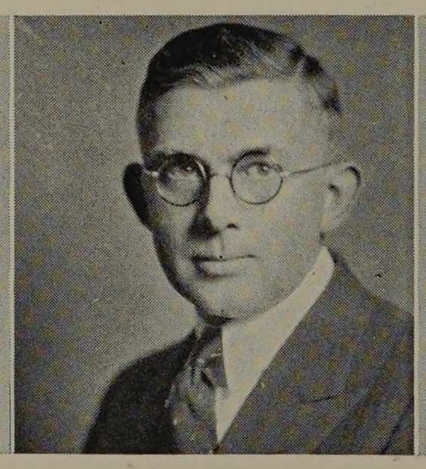
Roe Loomis Stevens B.S.
B.S. Armour Institute of Technology
Associate Professor of Bridge and Structural Engineering
Honorary Member of Chi Epsilon

Henry Townley Heald M.S.
B.S. Washington State College
M.S. University of Illinois
Associate Professor of Civil Engineering, and Assistant to the Dean
Black Knight, Tau Beta Pi, Chi Epsilon, Sigma Tau, Phi Kappa Phi, Sigma Kappa Delta

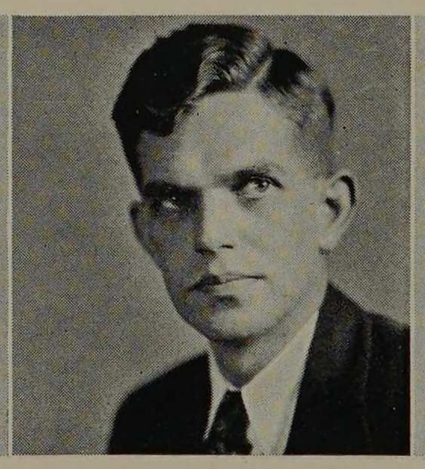
Herbert Ensz C.E.
B.S. and C.E. University of Colorado
Associate Professor of Civil Engineering
Chi Epsilon



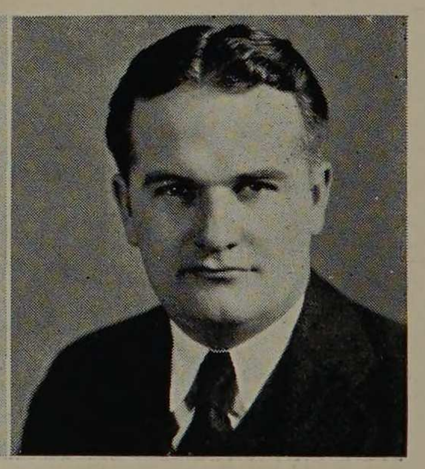
J. C. Penn



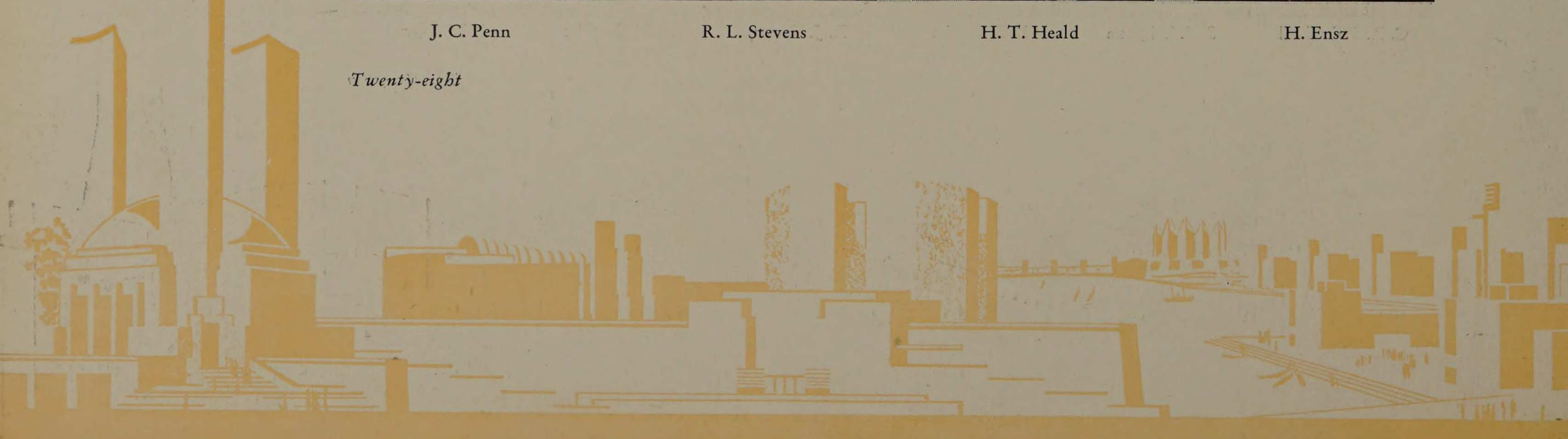
R. L. Stevens



H. T. Heald



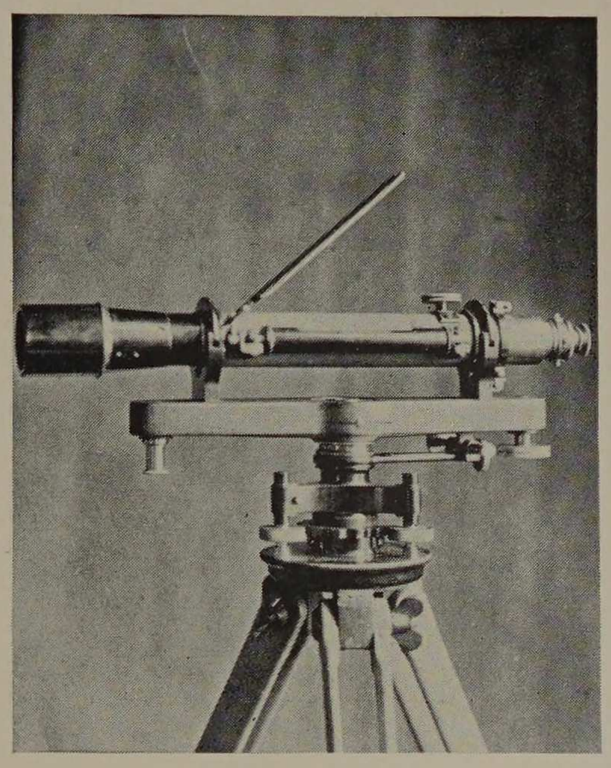
H. Ensz



tion is designed to allow great flexibility of operation and various types of treatment including softening, iron, color, odor, taste, and turbidity removal, and sterilization, so that the most practical method of treating any type of raw water may be determined.

The plant is located in the basement and the three floors above at the south end of Chapin Hall. The desired type of raw water will be artifically prepared in one of two raw water control tanks, of approximately two thousand gallons capacity each, located in the basement. From these tanks it will be pumped to the first point of treatment on the third floor and then flow by gravity through each of the successive stages of treatment to the two thousand gallon filtered water reservoir in the basement. The research program will include experiments on turbidity, softening, coagulants, activated carbon, rate of filtration, rate of wash water application, and others. All equipment is modern and includes a specially designed aerator and mixer, an orifice box, chemical feed, filter, rate of flow controller, and a wash water pumping system for cleaning the filter. Professor Harold A. Vagtborg has charge of the installation of the plant and the work done with it will be under his supervision.

The Armour Branch of the Western Society of Engineers has been active through the year and a number of interesting and instructive lectures have been given by well-known engineers. Full advantage is being taken of the fact that the location of the Institute and its standing among engineers makes it possible to get such speakers. It is an important part of our educational program.



Eldon Carlyle Grafton C.E.
B.S. and C.E. Washington State College
Assistant Professor of Structural Engineering
Tau Beta Pi, Sigma Tau, Scabbard and Blade, Phi Kappa Phi, Chi Epsilon

Sholto Marion Spears B.S.
B.S. University of Kentucky
Assistant Professor of Civil Engineering
Tau Beta Pi

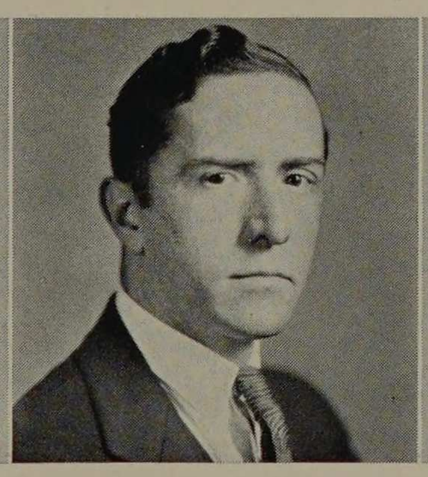
Harold Alfred Vagtborg B.S.
B.S. University of Illinois
Assistant Professor of Municipal and Sanitary Engineering

Joel Martin Jacobson B.S.
B.S. Armour Institute of Technology
Instructor in Civil Engineering
Kappa Delta Epsilon

Ernest K. Eugene B.C.E.
Ing. Dipl. University of Chent
B.C.E. University of Michigan
(No picture)



E. C. Grafton



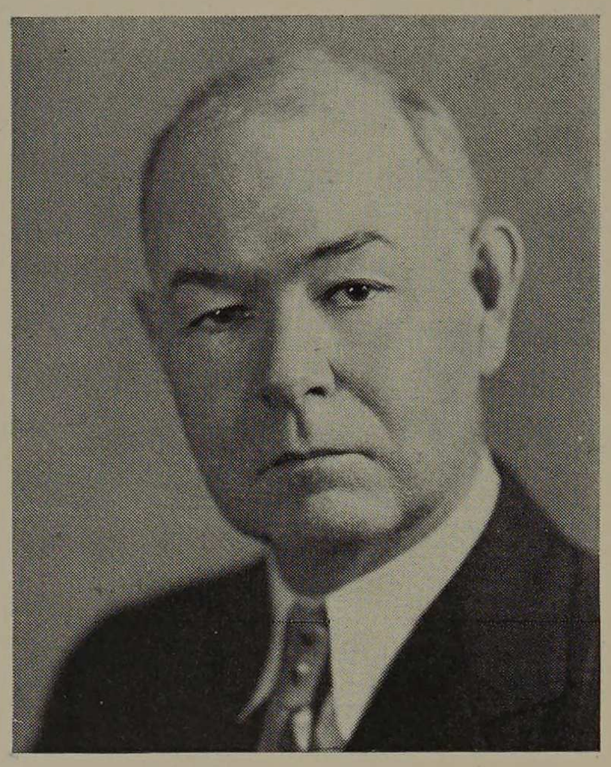
S. M. Spears



H. A. Vagtborg



J. M. Jacobson



Harry McCormack

DEPARTMENT OF CHEMICAL ENGINEERING

Harry McCormack, B.S., M.S.
B.S. Drake University
M.S. University of Illinois
Professor of Chemical Engineering and Head of the Department
Tau Beta Pi, Phi Lambda Upsilon, Phi Beta Kappa

The enrollment in the department of chemical engineering has been heavier during the past year than at any time during its history. The customary acceptance of freshmen in this department is forty, but at the time of last year's enrollment it was decided to accept fifty entering freshmen in chemical engineering. The laboratory facilities have, therefore, been crowded to their limit during the past school year.

The most significant departure in the policy of the department for the past year has been the decision to accept students for one year's graduate work. And eight students have been taking this work during the school year.

The department of chemical engineering has been able to offer this graduate work, due to the cordial cooperation of men in other departments who have consented to give courses for graduate students and to the consent of certain members of the department of chemical engineering to take on additional work. It is believed that the year's graduate work has been successful and its continuance for at least another year is contemplated. There is, however, at the present time, no contemplation of prolonging the graduate work beyond one year.

Courses which have been offered by instructors in

Benjamin Ball Freud Ch.E.
Sc.B. and Ph.D. University of Chicago
Ch.E. Armour Institute of Technology
Professor of Organic Chemistry
Phi Beta Kappa, Sigma Xi

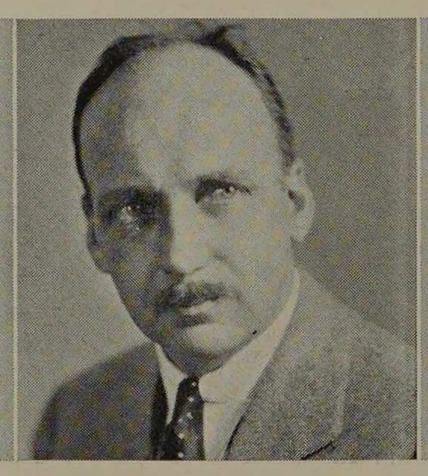
Charles Austin Tibbals Ph.D.
B.A., M.A. and Ph.D. University of Wisconsin
Professor of Analytical Chemistry
Phi Lambda Upsilon, Sigma Xi, Honorary Member of Alpha Chi Sigma, Phi Gamma Delta, Triangle

Eugene Edward Gill Ph.D.
Ph.B. and M.A. Dickinson College
Ph.D. Johns Hopkins University
Associate Professor of General Chemistry
Phi Beta Kappa

Arthur Howe Carpenter A.M.
A.M. Ohio University
Associate Professor of Metallurgy
Delta Tau Delta



B. B. Freud



C. A. Tibbals



E. E. Gill



A. H. Carpenter

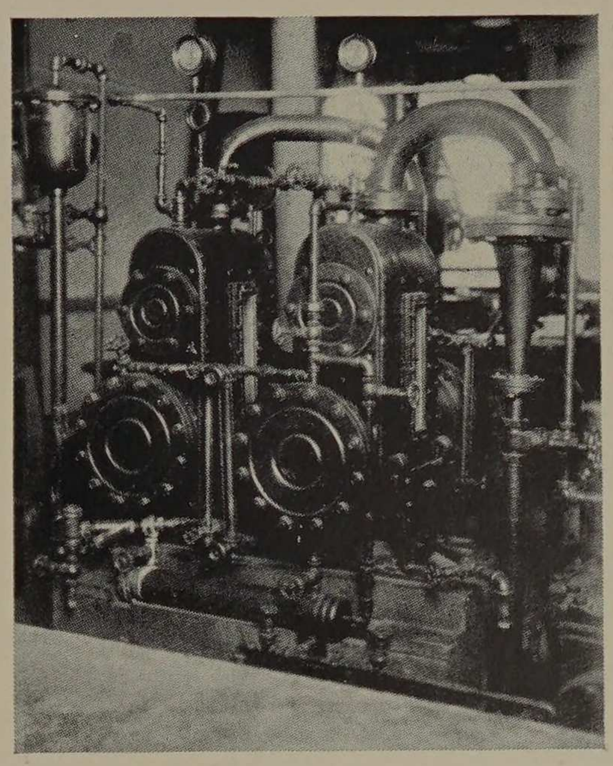
other departments and which have met with a very cordial reception by graduate students in chemical engineering, have been Dr. Scherger's course in Chemical German, Dr. Thompson's course in Electron Physics, and Professor Mangold's course in Flow of Fluids.

The graduate courses added to the work in the department of chemical engineering have been a course in Thermodynamics by Dr. Freud, a course in Cost Accounting and Engineering Economics by Assistant Prof. Bentley, and a course in Industrial Chemical Calculations by Mr. Martin. Prof. McCormack gives some time to directing the research of the graduate students and to conferring with them in regard to this work.

Commercial organizations in the Chicago area have been persuaded that it was to their advantage to defray school expenses of five of these graduate students during the past year. It is hoped the encouraging results, which have been received through the labor of these students, will convince these organizations as to the desirability of continuing this policy and it is also hoped that others may be found who will adopt a like attitude.

As this has been a period of retrenchment in all lines of industry, educational as well as otherwise, there have been no material additions to the equipment of the department of chemical engineering.

Certain small pieces of equipment which could be made in our own shops have been so made and have been used in adding to the previous list of experiments offered in the chemical engineering laboratories. It is contemplated to continue such additions until all of the unit operations of chemical engineering are represented by at least one laboratory experiment.

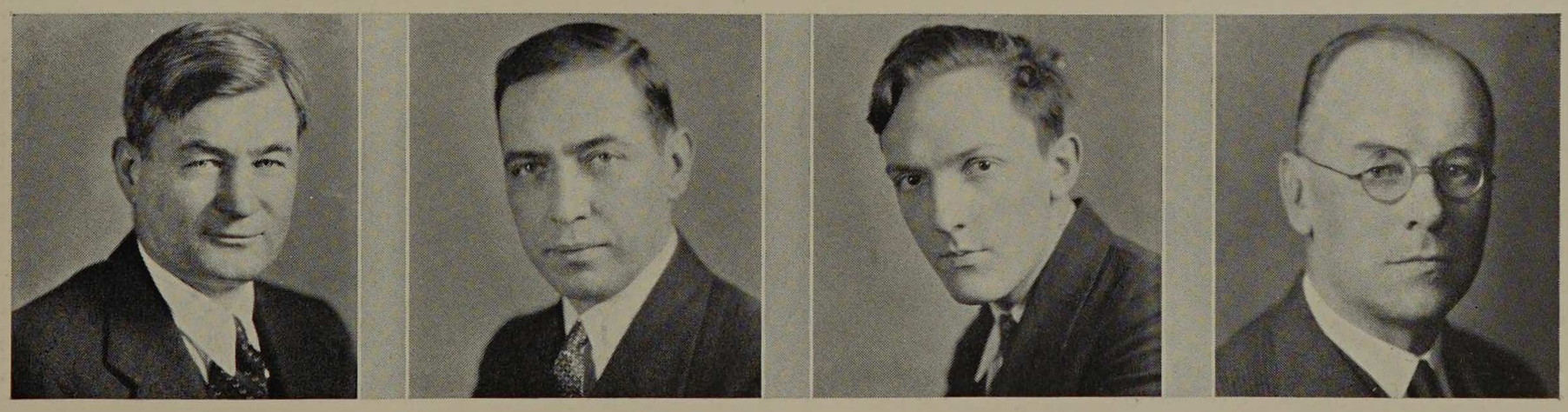


John Joseph Schommer Ch.E.
B.S. University of Chicago
Ch.E. Armour Institute of Technology
Assistant Professor of Industrial Chemistry
Black Knight, Alpha Chi Sigma, Phi Kappa Sigma

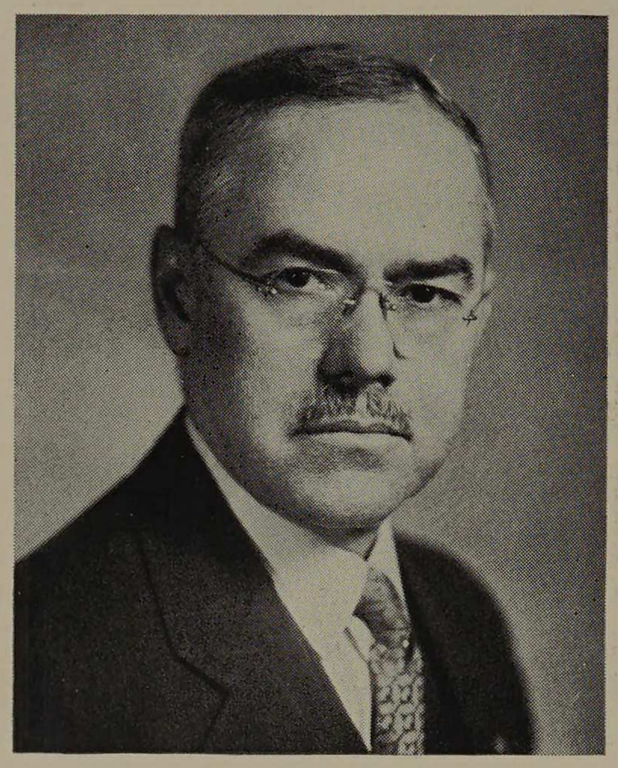
Walter John Bentley Ch.E.
B.S. and Ch.E. Armour Inst. of Tech.
Assistant Professor of Chemical Engineering
Phi Lambda Upsilon, Alpha Chi Sigma, Beta Psi

Homer Zettler Martin B.S.
B.S. Armour Institute of Technology
Instructor in Chemical Engineering

Hans Tropsch Dr. Eng.
Lecturer in Physical Chemistry



J. J. Schommer W. J. Bentley H. Z. Martin H. Tropsch



Ernest H. Freeman

John Edwin Snow E.E.
B.S., M.A., and M.S. Ohio University
E.E. Armour Institute of Technology
Professor of Electric Power Production
Eta Kappa Nu

David Penn Moreton
B.S. and E.E. Armour Institute of Tech.
Professor of Direct and Alternating Current Machinery
Tau Beta Pi, Eta Kappa Nu, Sigma Kappa Delta

Oliver Charles Clifford Ph.D.
A.B. Oberlin College
Ph.D. University of Chicago
Professor of Electrical Engineering
Sigma Xi

Charles Anson Nash B.S.
B.S. University of Illinois
Associate Professor of Elec. Engineering
Sigma Xi

Donald Elmer Richardson M.S.
B.S. and E.E. Armour Institute of Tech.
M.S. University of Chicago
Associate Professor of Electrical Measurements
Sigma Xi, Tau Beta Pi, Eta Kappa Nu, Sigma Kappa Delta

DEPARTMENT OF ELECTRICAL ENGINEERING

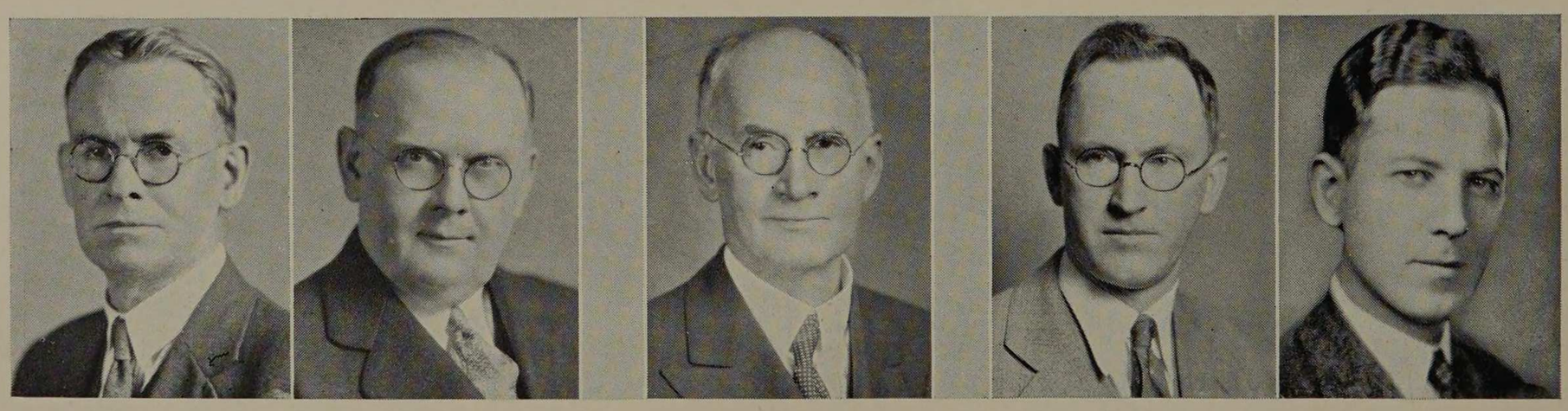
Ernest Harrison Freeman, B.S., E.E.
B.S. Kansas State College
B.S. and E.E. Armour Institute of Technology
Professor of Electrical Engineering and Head of the Department
Tau Beta Pi, Eta Kappa Nu, Phi Kappa Phi, Phi Pi hi

Whither electrical engineering? In these days of reduced activity, we are naturally concerned about where we are bound and look to the future to see, if possible, what the days to come may bring forth. The only means of predicting the future are based upon studies of the past. Such studies lead us to believe that we shall emerge from this depression because we have gone through several others.

And then, what will happen in electrical engineering? Certain tendencies may be expected to continue as they have in the past. Activity, now halted, will be resumed. As examples of unfinished work, there remains one-third of our residences to be wired and supplied with energy for the many electrical household conveniences; thirteen million homes do not now have radio receiving sets; many millions of new telephones are yet to be installed. These are but samples indicating the tremendous consumers' market lying in the future.

That such a market will develop is further indicated by the fact that our national per-capita wealth has multiplied more than ten-fold in the last hundred years, and the trend is toward a much higher value than we now have. Future purchasing power will, therefore, be much greater than the past; and a generous market for all kinds of electrical goods and services appears quite well assured.

Except for a temporary set-back, electrical engineering is still on the up-grade.



J. E. Snow D. P. Moreton O. C. Clifford C. A. Nash D. E. Richardson

DEPARTMENT OF FIRE PROTECTION ENGINEERING

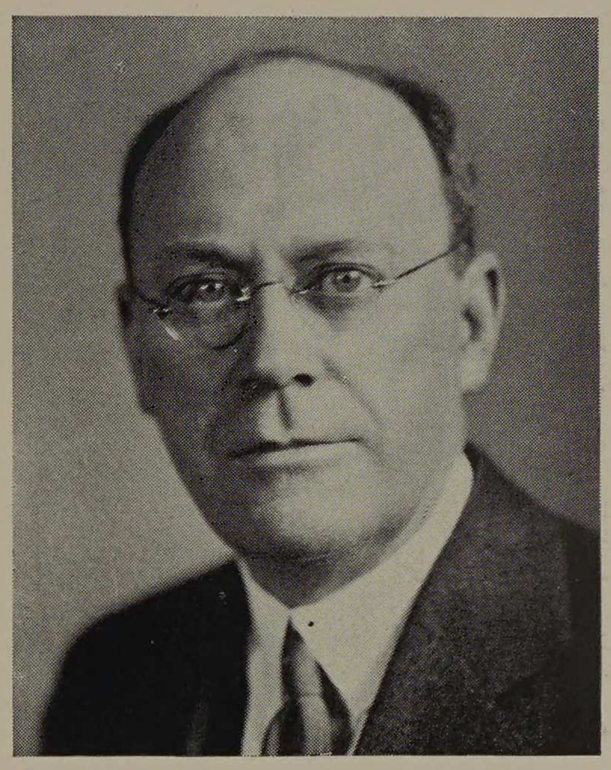
Joseph Bernard Finnegan, S.B.
S.B. Massachusetts Institute of Technology
Professor of Fire Protection Engineering and Head of the Department
Tau Beta Pi, Salamander, Sphinx

Fire protection engineering practice during the past year has met unusual problems caused by the increase in the number of unoccupied buildings and the general tendency to economize by reducing expenditures for fire protection, both factors tending to increase fire losses. Fire insurance companies and bureaus like other business organizations, have been compelled to reduce operating expenses, and it is therefore especially pleasing that all 1932 graduates of this department were employed immediately after the end of the school year, most of them through the operation of the scholarship plan.

Carl H. Johnson, Assistant Professor, resigned in June to enter the engineering staff of the Iowa Insurance Service Bureau. Harold L. Norway of the staff of Underwriter's Laboratories was appointed to succeed Professor Johnson. Mr. Norway is a graduate of the department of mechanical engineering at Case School of Applied Science. He has had ten years of experience in test and research work with the Commonwealth Edison Company and in two engineering departments at Underwriter's Laboratories.

Increasing demands on the time of Professor Holmes concerning committee activities and field tests have made it necessary to transfer his sophomore classes to Professor Finnegan.

Our students continue to show a natural and proper interest in extra-curricular activities, and the morale of the department is excellent.



Joseph B. Finnegan

Otto Louis Robinson B.S.
B.S. Purdue University
Associate Professor of Fire Protection Engineering
Salamander, Acacia

Charles Page Holmes S.B.
S.B. Massachusetts Institute of Technology
Salamander, Alpha Chi Epsilon

Harold Leighton Norway B.S.
B.S. Case School of Applied Science
Instructor in Fire Protection Engineering



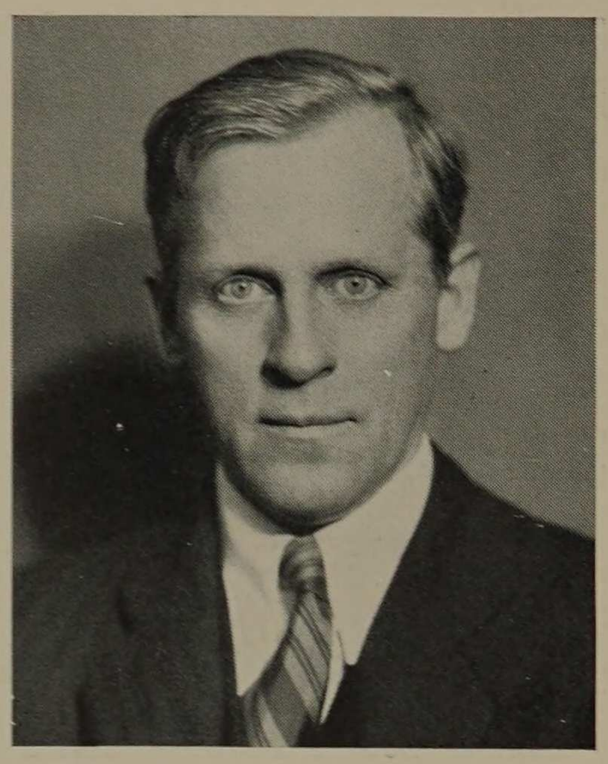
O. L. Robinson



C. P. Holmes



H. L. Norway



Earl H. Reed, Jr.

Albert H. Krehbiel
Professor of Freehand Drawing and Water Color

Emil Robert Zettler
Consulting Professor of Architectural Sculpture

William Frank McCaughey, Jr. M.S.
A.B. Carnegie Institute of Technology
M.S. University of Illinois
B.A.I.D. Certificate
Associate Professor of Architectural Design
Honorary Member of Triangle, Delta Skull, Sigma Nu

William Henry Lautz B.S.
B.S. Armour Institute of Technology
Assistant Professor of Architecture
Tau Beta Pi, Scarab, Sigma Kappa Delta

August Christian Wilmanns
Assistant Professor of Architectural Construction

DEPARTMENT OF ARCHITECTURE

Earl Howell Reed, Jr., S.B.
S. B. Massachusetts Institute of Technology
Professor of Architecture and Head of Department
Delta Kappa Epsilon

Few of the thousands of visitors to the Art Institute realize the existence above the galleries there of the Architectural Department of Armour Institute. In the skylighted drafting rooms, in the big lecture room facing Michigan Avenue, in the many galleries of the art museum, and in the Burnham and Ryerson Libraries, the students have a very favorable environment for acquiring much of the experience and background with which they expect to start their architectural careers.

Both students and faculty have been greatly interested in the Armour Development Plan and have tried to do their bit in furthering this great program. One small expression of this interest was the decorative setting done by the alumni and students for the big reunion banquet at the Naval Armory. The members of the faculty have been giving careful study to the architectural curriculum with a view to the broadening of training and eventually developing a five-year course. Slight changes have already been introduced, notably the co-ordination of design and construction problems in the Sophomore year and the extension of the study of design elements in the Freshman year.

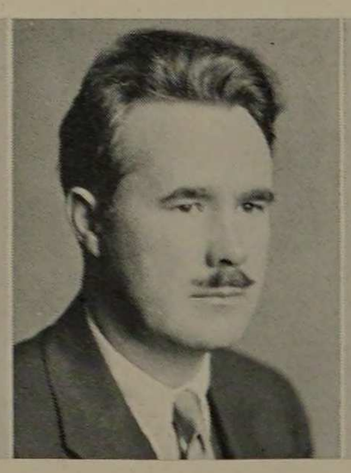
A particular desire to emphasize the inseparable bond between design on paper and the physical nature and fabrication processes of building has led to an increase in the number of visits by practicing architects and lectures by representatives of different building trades. There have also been a number of inspection trips of



A. H. Krehbiel



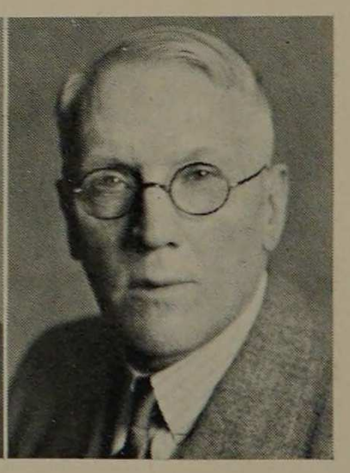
E. R. Zettler



W. F. McCaughey, Jr.



W. H. Lautz



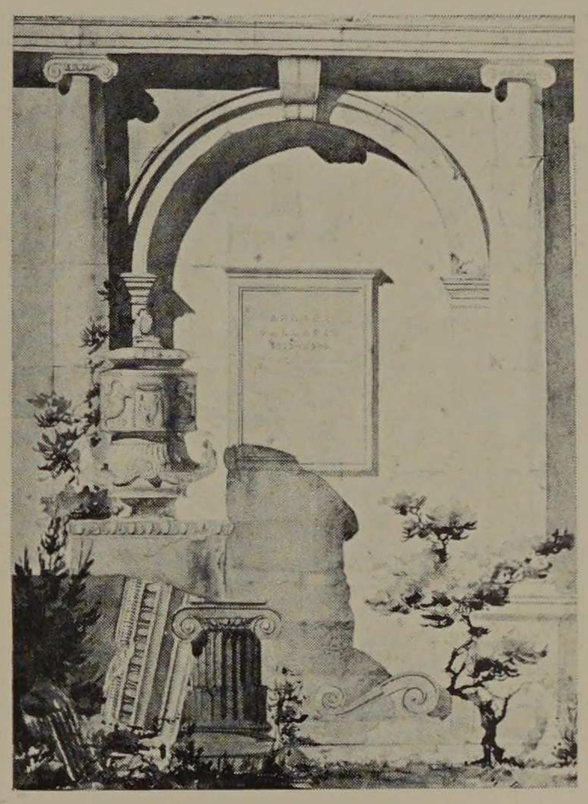
A. C. Wilmanns

great practical value, and additions have been made to the Department's collection of building material samples during the year.

As usual, a number of exhibitions were held in the Department, among them a group of sketches and paintings done by the students during the summer, travel sketches by alumni, and a traveling exhibition of the Beaux-Arts Institute of Design.

The programs of the Beaux-Arts Institute of Design of New York continue to be used in the Junior and Senior years. This system puts advanced design courses, as given throughout the country, on the same basis. Several special problems have been studied by Senior students of the Department in collaboration with painters and sculptors from the School of the Art Institute and with landscape architects.

As usual, the members of the Architectural faculty have been engaged in interesting work in addition to their teaching. Mr. Beersman, assisted by a number of graduates of the Department, has prepared a large exhibit of the Central Station Industries at the Century of Progress. Mr. Bentley has been working on a translation from the French of portions of Gaudet's "Elements et Theorie d'Architecture" and Mr. Rathbun has been doing restoration work for the Field Museum in connection with the recent excavations at Kish in Mesepotamia. Mr. McCaughey and others have continued general practice and Mr. Reed has supervised the restoration of the Old Market House in Galena, Illinois. Mr. Suter has been active in Plan Commission work and Mr. Krehbiel spent the summer at the Saugatuck School of Painting and has continued his winter landscape work in this region.



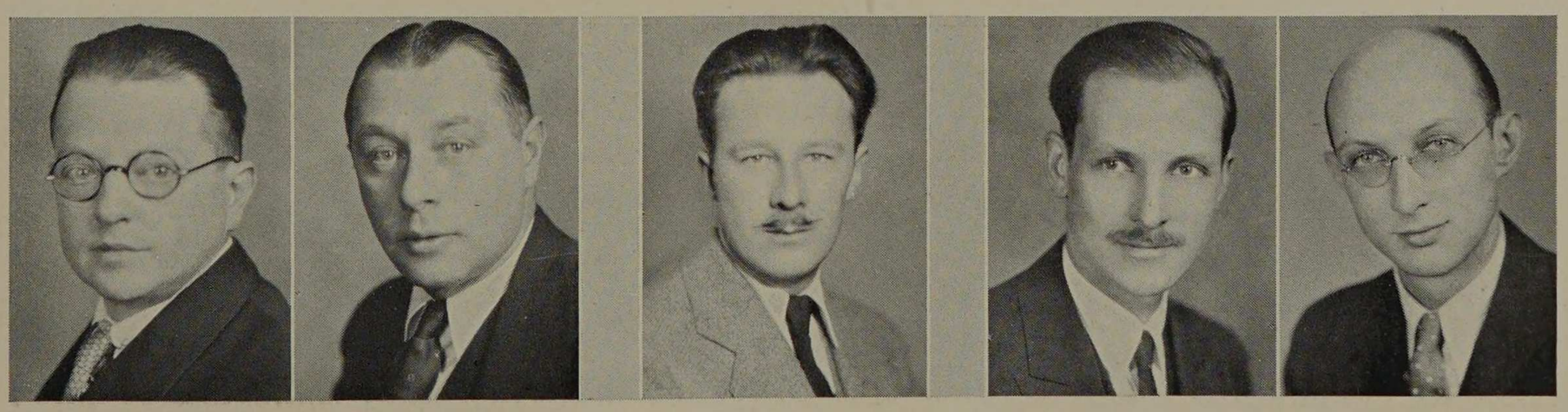
Harry Howe Bentley S.B.
S.B. Massachusetts Institute of Technology
Assistant Professor of Architectural Design

Charles Gerhard Beersman
University of Pennsylvania
Assistant Professor of Architectural Design
Acacia

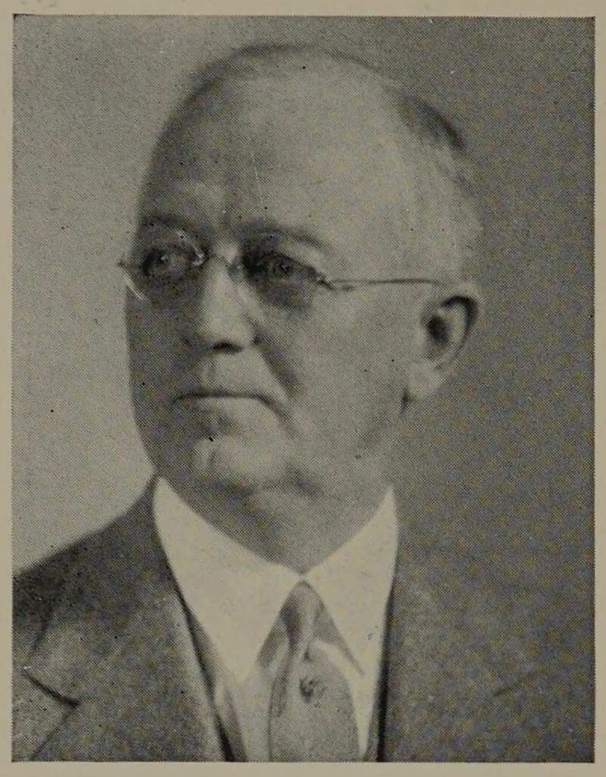
Theodorus Marinus Hofmeester, Jr.
Armour Institute of Technology
Assistant Professor of Architectural Modeling
Scarab

Walter Lindsay Suter B.S.
B.S. Armour Institute of Technology
Assistant Professor of Architectural Design
Scarab

Rowland Rathbun M.S.
B.S. and M.S. University of Illinois
Assistant Professor of Architectural History and Design
Scarab, Phi Delta Theta



H. H. Bentley C. G. Beersman T. M. Hofmeester, Jr. W. L. Suter R. Rathbun



Charles E. Paul

Guy Maurice Wilcox A.M.
A.B. Carlton College
A.M. University of Wisconsin
Professor of Phys. and Head of Dept.

William Charles Krathwohl Ph.D.
B.A. Harvard College
M.A. Columbia University
Ph.D. University of Chicago
Professor of Math. and Head of Dept.
National Council of Teachers of Mathematics

Charles Wilber Leigh B.S.
B.S. University of Illinois
Professor of Analytic Mechanics
Tau Beta Pi, Sigma Kappa Delta, Phi Gamma Delta

Thomas Eaton Doubt Ph.D.
B.S. Nebraska Wesleyan University
M.A. University of Nebraska
Ph.D. University of Chicago
Professor of Experimental Physics
Sigma Xi, Phi Kappa Phi

John Frederic Mangold C.E.
B.S. Cornell College
B.E. and C.E. University of Iowa
Associate Professor of Mechanics
Beta Psi

William White Colvert A.M.
A.B. and A.M. Cumberland University
Associate Professor of Physics
Sigma Xi

DEPARTMENT OF SCIENCE

Charles E. Paul, S.B.

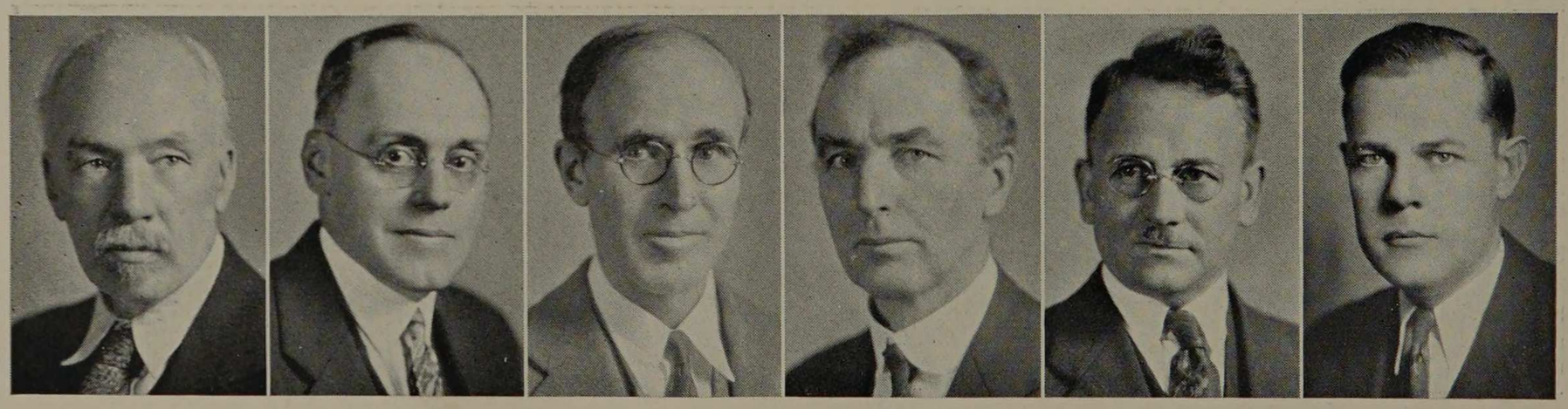
S. B. Massachusetts Institute of Technology
Professor of Mechanics, and Head of the Department of Science
Tau Beta Pi, Sphinx, Theta Xi

The Department of Science at Armour Institute of Technology is finishing the first year of its work. This new department was established in July, 1932, as the realization of a part of "The Armour Plan." Registration of students in the new division of work offered was opened in September, 1932. At the beginning of the second semester in February, 1933, an enrollment of twelve freshmen and one graduate student was reported.

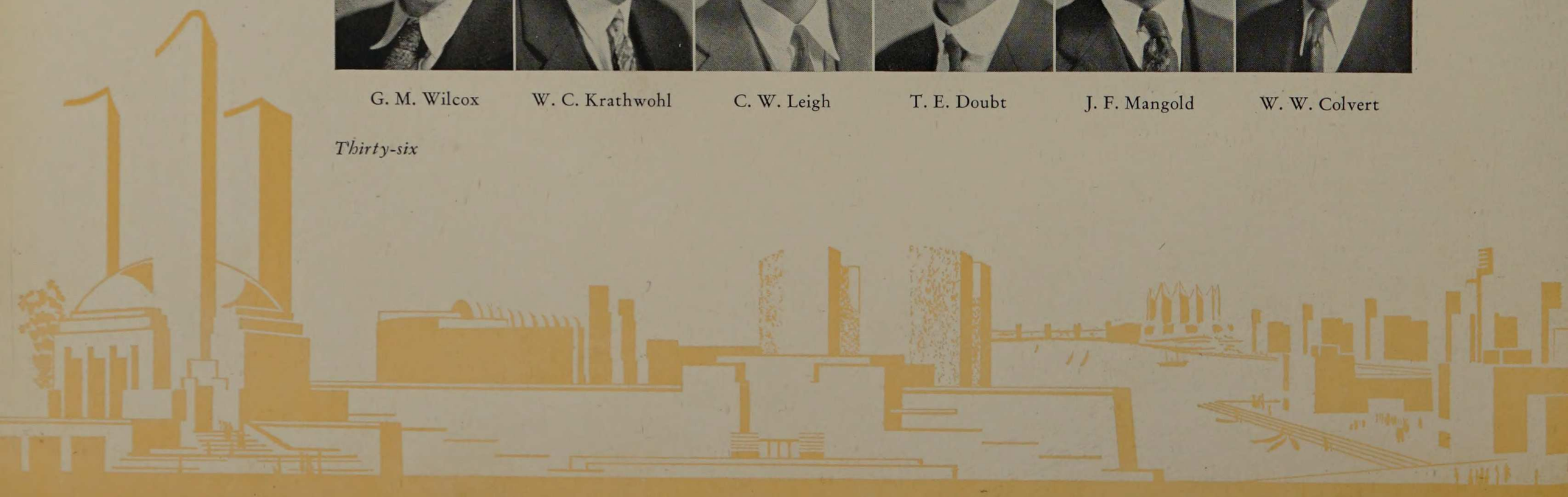
The administrative organization of the Department centers in the grouping of the Departments of Physics, Mathematics, and Mechanics. The instruction in courses in chemistry shown in the curriculum of the Department of Science is given by members of the Department of Chemical Engineering.

The aim of the course of study offered by the Department is to provide a thorough training in the basic sciences relating to engineering, and a more extensive knowledge of the humanities than is customary in the usual engineering curricula.

A large proportion of the students who enter engineering schools each year have no definite purpose in following the course which they indicate on their entrance papers. Many of them choose a branch of the profession without careful thought as to the kind of work covered by it, their degree of interest in such



G. M. Wilcox W. C. Krathwohl C. W. Leigh T. E. Doubt J. F. Mangold W. W. Colvert

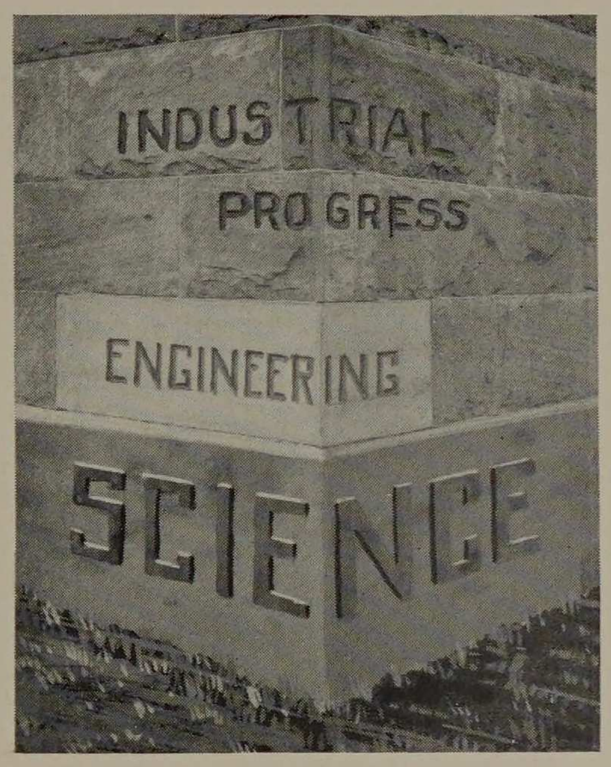


work, or the possibility of success in it as a vocation. But few have had the counsel or contacts which enable them to make such a decision wisely. They all feel that they wish to become engineers, but the difference in training in the specialized lines and the divergence in practice after graduation is not recognized until they are well advanced in their period of training. Others desire a general training in the sciences upon which engineering is based, together with a wider individual choice of engineering subjects than is allowed in any of the usual specialized courses. They also wish to devote more time to the study of physics, chemistry, mathematics, mechanics, English, modern languages, psychology, economics or history.

These types of students find the course in Science well adapted to their needs and ideas, because of its close relation to the specialized engineering courses during the first two years, the larger number of hours devoted to scientific and humanistic subjects, and the wide choice in electives offered during the fourth, or senior year.

In order to supply this kind of training, new courses are appearing in the Departments of Physics, Mathematics, and Mechanics, and many others are contemplated. More time is allotted to work in the Departments of English and Economics, and a broader scope in such subjects is covered.

The present trend of thought in technical education is toward thoroughness in fundamentals. These include subjects which are basic to the building of men of character, vision, and culture, as well as to the training of engineers and scientists to enter some branch of the industrial field. A well-balanced curriculum should provide this type of instruction.



Van Bauman Teach M.Sc.
B.A., B.E.E., and M.Sc. Ohio State University
Associate Professor of Mathematics
Tau Beta Pi, Sigma Xi, Eta Kappa Nu, Pi Mu Epsilon, Phi Kappa Tau

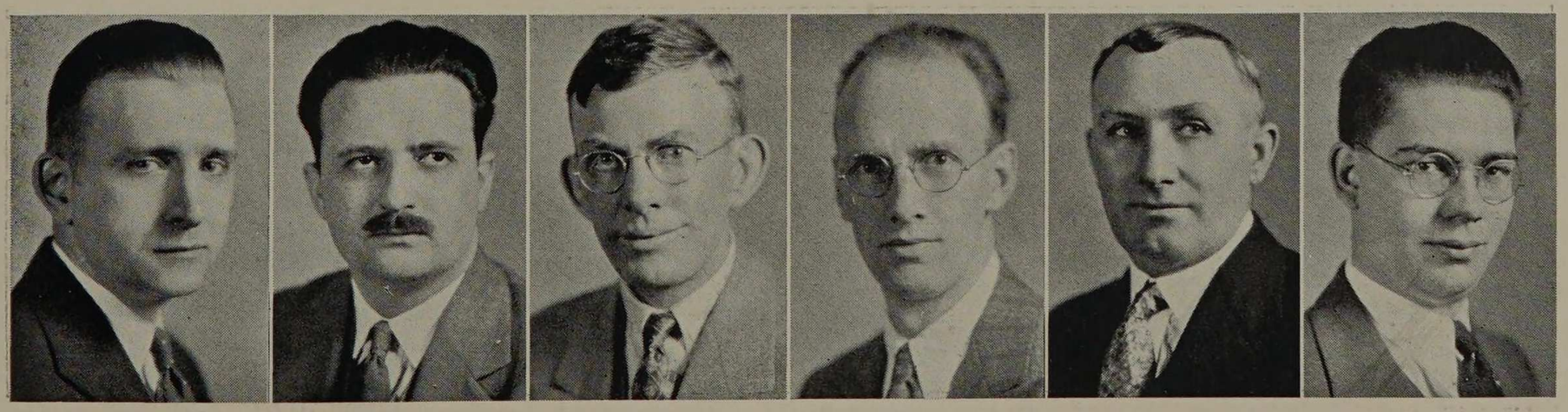
James Stratton Thompson Ph.D.
B.S. and Ph.D. University of Chicago
Associate Professor of Physics
Sigma Xi, Sigma Alpha Epsilon

Samuel Fletcher Bibb S.M.
S.B. and S.M. University of Chicago
Assistant Professor of Mathematics
Sigma Xi

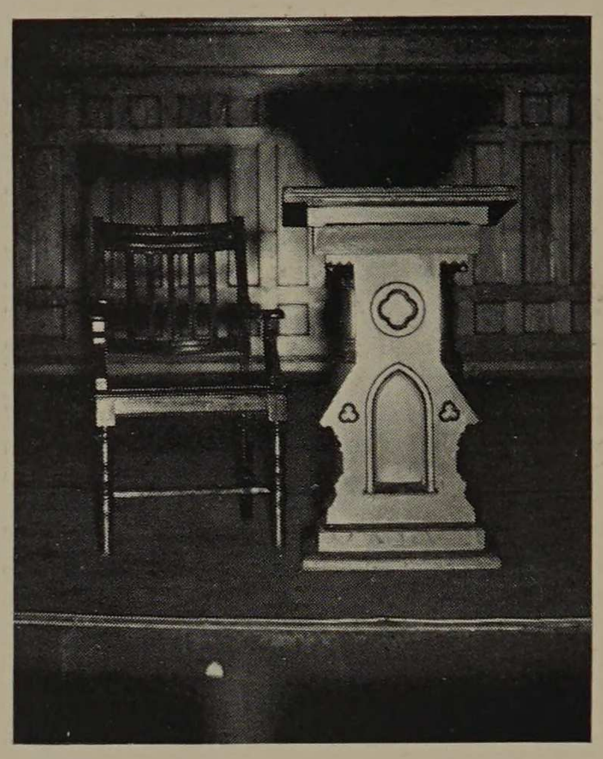
Harold Witter Haggard M.S.
B.S. Dennison College
M.S. University of Chicago
Assistant Professor of Mathematics
Delta Phi

Walter Arthur Spencer B.Sc.
B.Sc. University of Nebraska
Instructor in Mathematics

Watson M. Davis M.S.
A.B. Cornell College
M.S. University of Iowa
Instructor in Mathematics
Sigma Xi, Phi Tau Theta



Van B. Teach J. S. Thompson S. F. Bibb H. W. Haggard W. A. Spencer W. M. Davis



George Lawrence Scherger Ph.D.
A.B. University of Indiana
Ph.D. Cornell University
Professor of History and Political Science and Head of the Department
Phi Beta Gamma

Clyde Barnes Cooper Ph.D.
A.B. University of Nebraska
M.A. University of Iowa
Ph.D. University of Chicago
Professor of English; Head of Dept.

Wallace Bruce Amsbary
Professorial Lecturer in Gen. Literature

Walter Hendricks M.A.
B.A. Amherst College
M.A. University of Chicago
Associate Professor of English
Phi Beta Kappa, Sphinx, Phi Delta Theta

Robert Henry Engle M.S.
B.S. and M.S. University of Illinois
Assistant Professor of Economics

Ernest E. Tupes LL.B.
A.B. and B.S. University of Missouri
LL.B. Chicago Kent College of Law
Lecturer in Business Law
Tau Beta Pi

John Valentine Lizars J.D.
B.S. Armour Institute of Technology
J.D. DePaul University
Instructor in Business Law
Tau Beta Pi, Delta Tau Delta
(No picture)

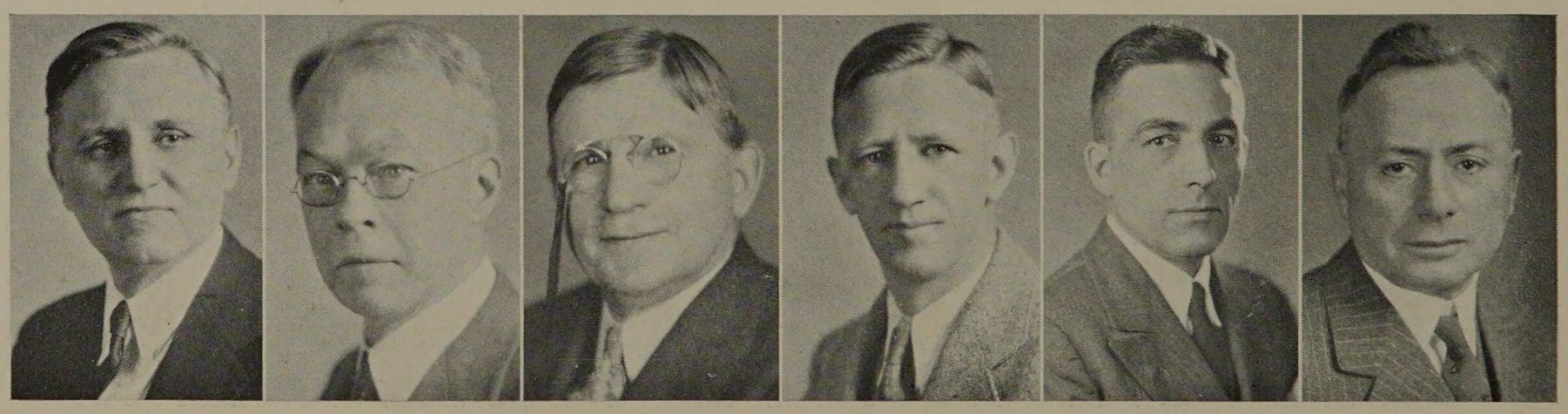
THE HUMANITIES

The Humanities include the courses in History of Civilization and Recent Times, Political Science, English and Literature, Economics and Law, and Great Leaders and Movements of Thought. This is a somewhat miscellaneous variety of subjects and yet they have a common characteristic: they are neither engineering subjects nor can they be grouped as scientific. Their aim is rather to get at the man and the citizen than at the engineer.

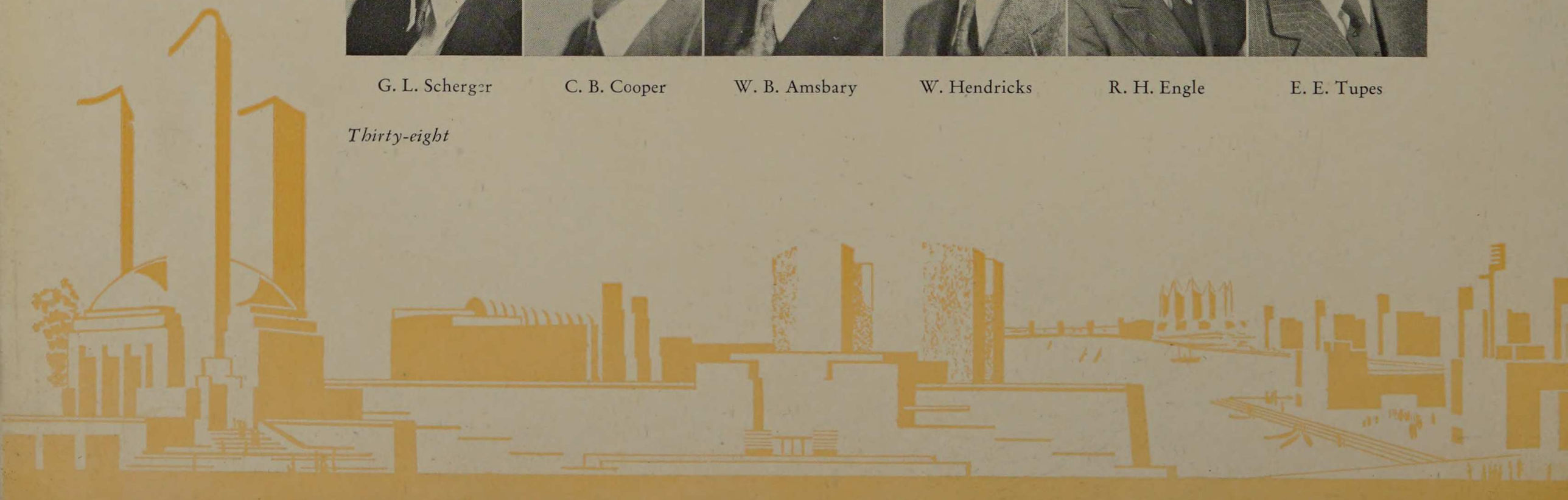
It has been a tradition at the Armour Institute of Technology to cultivate the humanities. We should be untrue to our past if we departed from this policy. We rather pride ourselves upon the fact that we either forestalled the trend of policy or else set the fashion which other engineering schools have followed. At least we know that increasing emphasis is being put upon the cultural work.

We have been attempting with a very limited amount of time at our disposal to help make our engineering students better men, because we felt that only a big man can become a great engineer. We selected our courses primarily with this end in view. They should have as a background a knowledge of the progress of man-kind, of the great masterpieces of literature, of the great leaders and movements of scientific and philosophic development, of the nature of our economic organization and the great problem of economics, and also be able to use the English language effectively. This seems to be the minimum of cultural requirements.

It is certainly a step in the right direction to strengthen the cultural work. We believe that the student body has come to recognize this quite as much as the faculty.

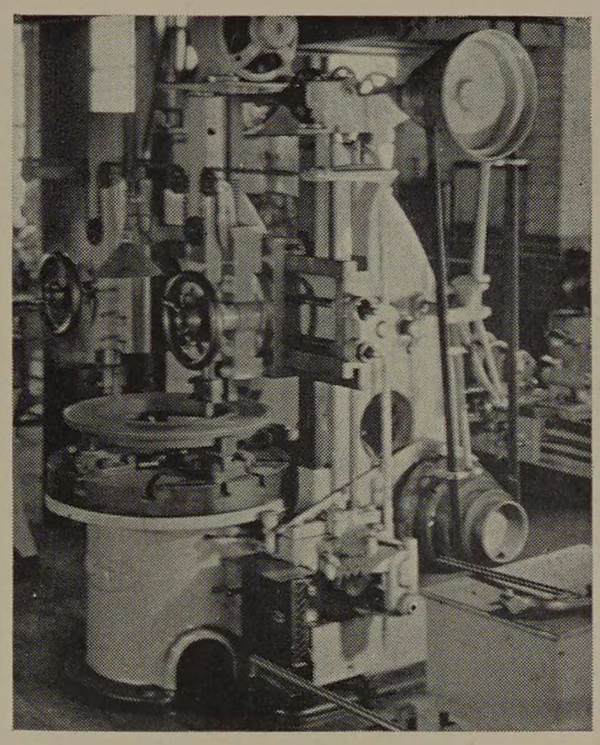


G. L. Scherger C. B. Cooper W. B. Amsbary W. Hendricks R. H. Engle E. E. Tupes



SHOPS

Is a thorough training in shopwork essential to the general education of the engineer? Not "shop methods," "production," "shop cost accounting," and glorified "mechanic arts," but the old-fashioned manual training in which the student acquires some technical skill and actual experience in the fabrication of machinery? Thirty years ago the answer was "Yes." Today, the answer is "No." Some educators favor the complete elimination of manual shopwork in every form, but the great majority believe that a limited and carefully chosen course is of great value, at least to those students interested in mechanical and electrical engineering. Coming as it does, during the most formative years of the student's course, namely the freshman, sophomore, and junior years, shopwork has a three-fold value. The first and most important is psychological, the second is recreational, and the third, professional. The majority of engineering students like shopwork, they enjoy "making things," they glory in getting into overalls and soiling their hands, they feel that they are "practical men." It is the only subject in the freshman and sophomore years which bears upon practice, all others being of an abstract nature. In other words, it "sells" them to the engineering profession. But for shopwork the freshman and sophomore students at Armour would have no let up in their intensive course of theoretical training. As it is the few hours devoted each week to this work are periods of mental relaxation and at the same time result in the acquirement of useful knowledge. Many an Armour graduate attributes his position in industry to his training in shop practice.



Nels Peter Peterson
Instructor in Wood Working

Charles Henry Fornhof
Instructor in Machine Tool Work

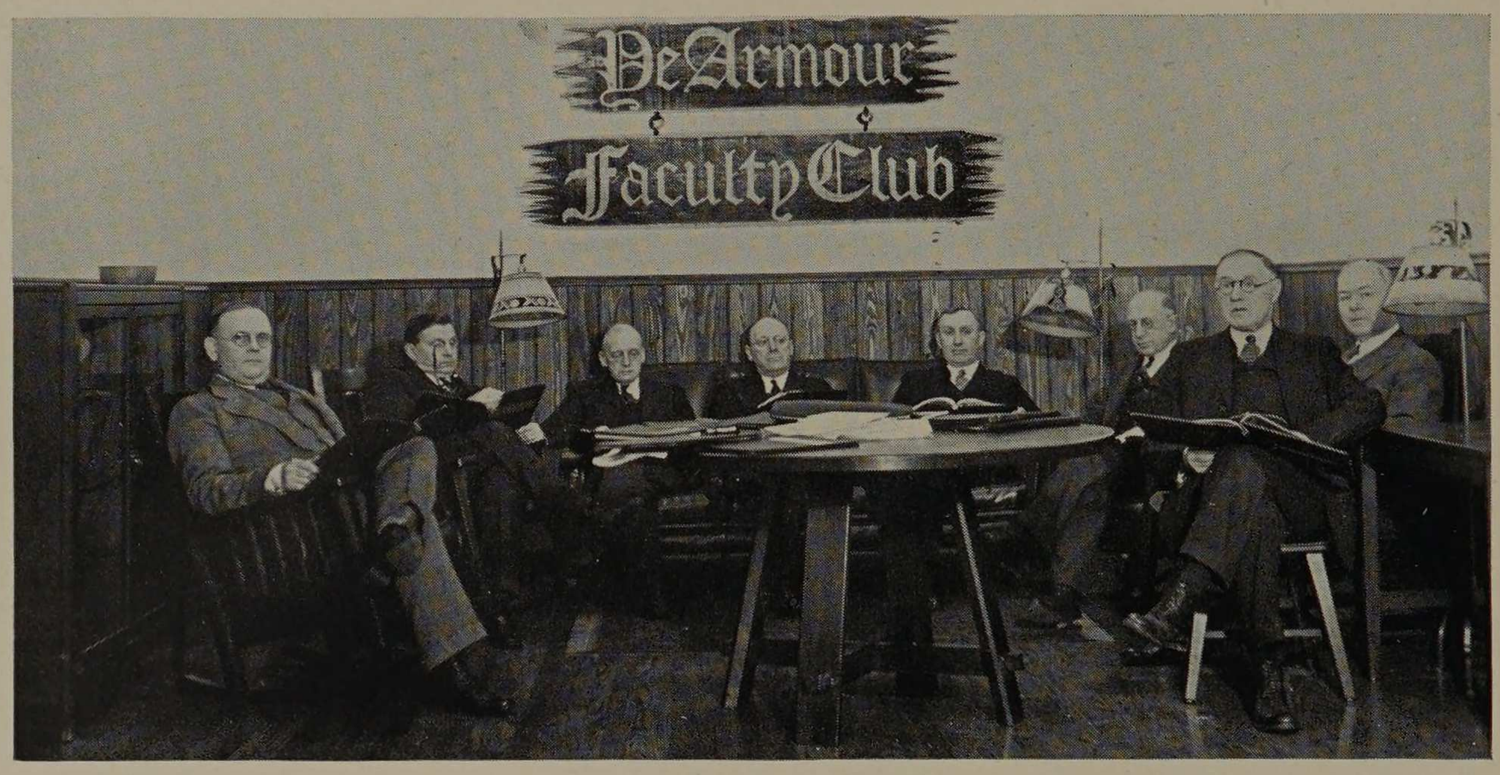
Charles Lewis Larsen
Instructor in Founding

Ferdinand Theodore Foerster
University of Illinois
Instructor in Forging

Edward Roylance Gatley
Runcorn Institute of Technology, England
Instructor in Machine Tool Work



N. P. Peterson C. H. Fornhof C. L. Larsen F. T. Foerster E. R. Gatley



Faculty Club Reading Room

FACULTY CLUB

OFFICERS

F. U. Smith . . . . . Honorary President
D. P. Moreton . . . . . President
J. J. Schommer . . . . . First Vice-President
J. S. Thompson . . . . . Second Vice-President
W. A. Spencer . . . . . Secretary
V. B. Teach . . . . . Treasurer

The history of the Armour Faculty Club, which it has been the pleasure of the present historian to record from time to time, must be written this year in rubrics. For 1932 has indeed seen red letter days; days in which the club quarters were transformed from an unventilated hole in the wall into clean, spacious, attractive club rooms, where the members may spend their moments of relaxation in ease and comfort.

The Institute authorities having placed additional space at the disposal of the club, a program of expansion and improvement was proposed by the president, Professor Moreton. The plans involved an increase of approximately 100% in the space occupied by the club, the installation of a large, well lighted and ventilated reading room, the providing of adequate cloakroom and washroom facilities, and a thorough revamping of the existing quarters. The new reading room is well insulated, both thermally and acoustically, so that the click of the ivories (or shall we say, the crash of the bakelites) in the billiard room adjoining, or the verbal hot air from the card room, can not disturb R.V.P. reading the latest mystery story in Saturday Evening Post, or R.J.F. working the cross-word puzzle in Judge.

Practically all the work involved in the improvements was done by members of the club, with Moreton acting as superintendent of construction and Nash and Spencer as boss carpenters. Through the long summer vacation these men worked, assisted at frequent intervals by many other members. Members who did no work contributed cash for necessary supplies and materials, and for new furniture. The slogan was "Ten Days or Ten Dollars," an illuminating commentary on the value of the average professor's services when he works with his hands.



The Christmas Party

COMMITTEES

House Committee
C. A. Nash, Chairman
G. M. Wilcox
J. E. Snow
C. A. Tibbals
J. C. Peebles
A. W. Sear
E. C. Grafton
N. P. Peterson
F. T. Foerster

Membership Committee
M. B. Wells, Chairman
G. F. Gebhardt
H. A. McCormack
E. H. Freeman
J. B. Finnegan

Honorary Member
F. U. Smith

Loan Committee
C. E. Paul, Chairman
B. B. Freud
H. T. Heald
W. A. Spencer
N. P. Peterson

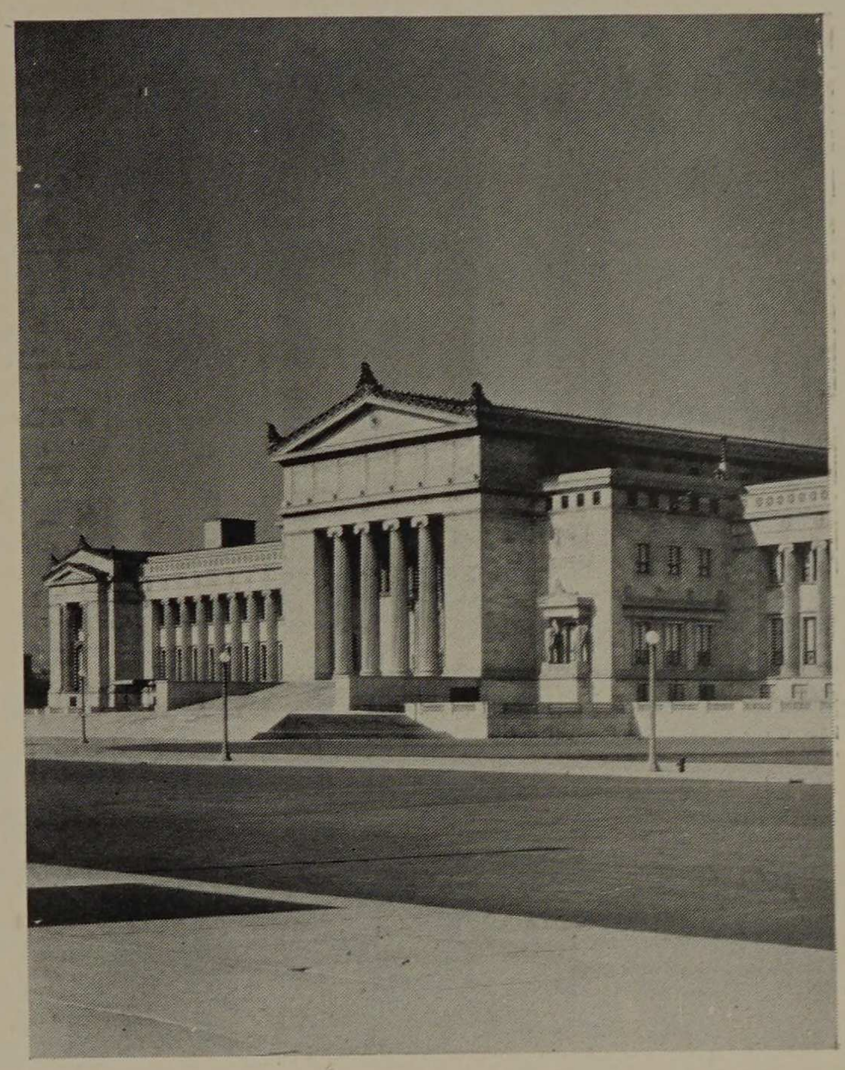
Cigar Committee
R. V. Perry, Chairman
W. C. Krathwohl
C. R. Swineford
E. Kelly

The old reading room has been redecorated, supplied with the necessary tables and chairs, and converted into a card room. Every noon this room is filled with contract players, "Larry" Larson usually being among the first to arrive. Several players, including Huntly, Thompson, Sear, Swineford, and a few others, are making a careful study of the game, and swear by Culbertson. George Allison has no conventional yard stick to value his hand; he bids what he thinks he can make—and usually makes it. And thus the club members derive relaxation and mental stimulus from this most popular of all card games.

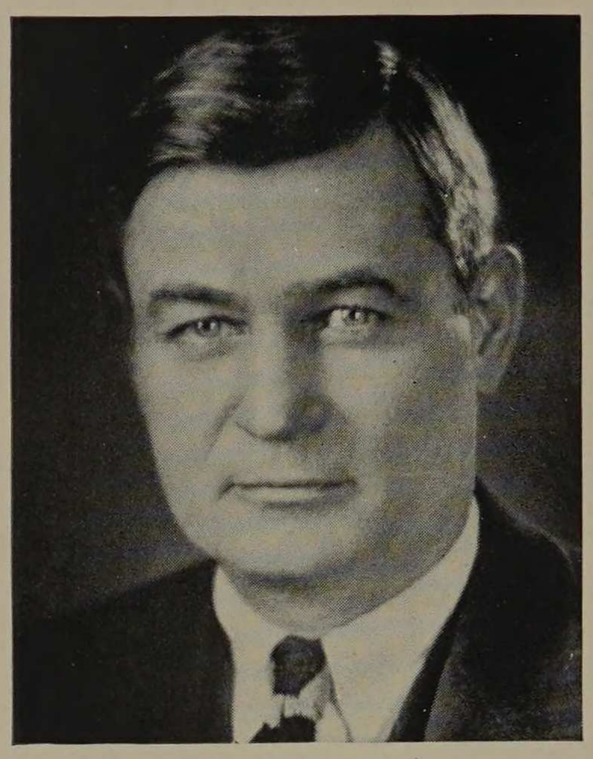
In recognition of the important services he rendered in the renaissance of the Armour Faculty Club, Professor Moreton has been elected to succeed himself as president. This is the first time in its history that the club has taken such action, and it is well deserved. In line with the physical improvements which have been effected during the past year, plans have been formed for increased social activities during the coming year. In this way it is hoped that the club will become a more important factor in the lives of Armour professors, and an integrating and directing force in the life of the Institute. An enjoyable Christmas turkey dinner and party started the program. On April 18, the club gave a dinner followed by an initiation ceremony for Doctor Hotchkiss, Professor Engle, and Doctor McNamara. After the goat was restored to captivity, general entertainment followed. On April 19, the faculty ladies enjoyed the club rooms with cards and other games.

attached to every auditorium is a storeroom for the products of the brush and hammer. the field museum guards and displays the works, not of one century but of many.

the veteran actors, our alumni, have not, however, remained under a roof, but have gone out into the world and related and practised the lessons of our story.



ALUMNI



John J. Schommer

OFFICERS

John J. Schommer
President

Frederick C. Heuchling
Vice-President

David P. Moreton
Secretary-Treasurer

ADVISORY COUNCIL

Earl J. Smith '06
Abraham A. Corman '17
Edwin O. Griffenhagen '06
Harold W. Munday '23
Arthur Katzinger '16
Melville S. Flinn '04
Charles H. Hammond '04
Vernon S. Watson '00
William T. Watt '17
Percy W. Evans '12
Aaron Paschkow '21
J. Warren McCaffrey '22

ARMOUR ALUMNI ASSOCIATION

The Alumni Association of Armour Institute of Technology has had a very successful year. Hundreds of names have been added to the list of alumni. Chapters of twenty or thirty alumni have been organized and installed respectively in New York, Cincinnati, Milwaukee, and St. Louis. The active memberships now number about 3,400.

Besides greatly increasing the membership by the addition of "lost sheep," some other outstanding events took place.

The twenty-fifth reunion of the class of 1907 was held last June. Fred Heuchling's leadership induced about thirty of the class to join in the happy meeting. There were three days crammed full of activities that recalled the happy carefree days of long ago. Old comradeships were renewed, new toasts were drunk, and old ties of friendships were more securely cemented. The reunion culminatd in a picnic at the summer home of A. L. Eustice.

In October the Association held its largest Alumni Banquet, in fact, it was one of the largest college banquets ever held in the west. There were twenty-one hundred fifty persons present. This included the Trustees, Faculty, Undergraduates, and about thirteen hundred Alumni. The affair was held at the Illinois Naval Reserve Armory. The hall was beautifully decorated

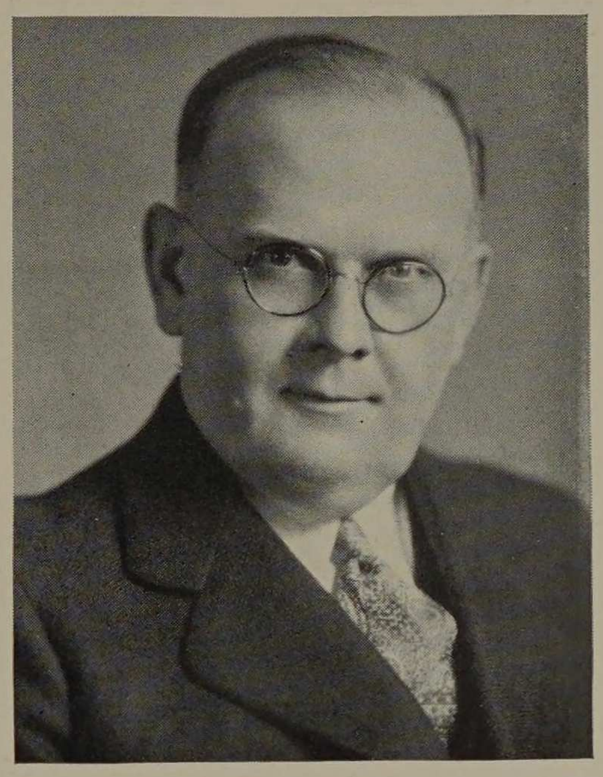


The twenty-fifth reunion of the class of 1907

by the Architects, under the leadership of Alfred Mell, ten days being spent on this task. At each plate there was placed a grab bag, containing many articles of use, kindly donated by prominent Chicago firms.

The Alumni who so generously gave their time to make this banquet the great surprise and stupendous success were Charles W. Hill, Harold Munday, H. W. Martin, John Lizars, Professor D. P. Moreton, and Professor John J. Schommer. These men with a committee of nearly five-hundred men were successful in bringing in delegations from all over the country.

The annual business meeting was held on December 28th at the Medinah Athletic Club. President Emeritus Howard Raymond made a short talk as did Mr. Roy Henderson, Alumni Trustee. Many changes of the Constitution were effected and the annual election was held. The officers elected will serve for a term of two years. Mr. Morris W. Lee of the class of '99 was elected to replace Ralph H. Rice '97 on the Board of Managers as was Mr. Louis A. Sanford '02 to replace Henry L. Nachman '02. The Vice-Presidents who were elected are to act in the capacity of chairmen of the various committees. John J. Schommer was elected President, Fred Heuchling Vice-President, and David P. Moreton Secretary-Treasurer. Entertainment in the form of musicians and dancers was provided throughout the dinner.



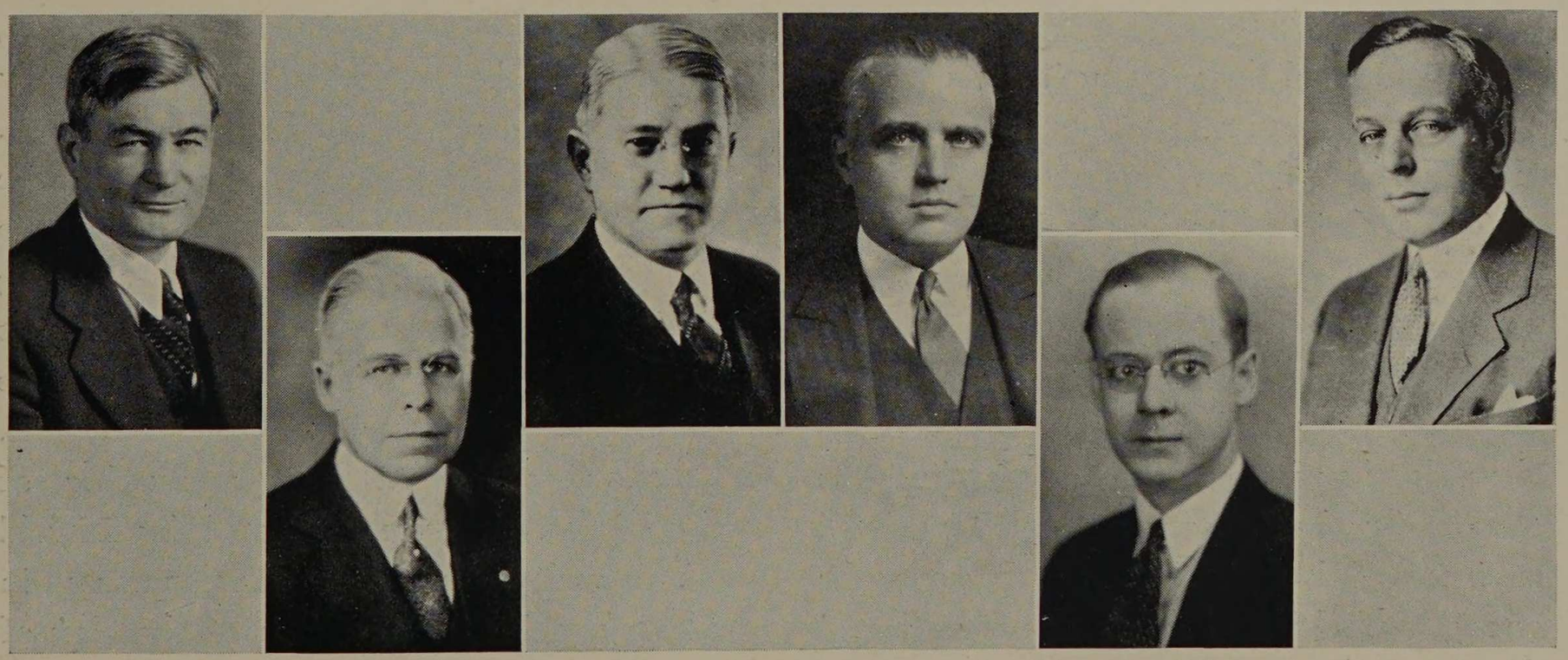
David P. Moreton

ALUMNI TRUSTEES

Roy M. Henderson '02
Alfred S. Alschuler '99
Robert B. Harper '05
John J. Schommer '12
Charles W. Hills, Jr. '11
Harold W. Munday '23

BOARD OF MANAGERS

Morris W. Lee '99
Louis A. Sanford '02
Clinton E. Stryker '17
Henry W. Regensburger '25
Charles W. Burcky '27
Edward F. Pohlman '10
James A. Whittington '14



ALUMNI ON THE BOARD OF TRUSTEES
Schommer, Harper, Henderson, Hills, Munday, Alschuler



THE GRAND ARMOUR ALUMNI

Trustees, faculty, alumni, and students of Armour congregated as one large and happy family on the evening of October 20, 1932, in the spacious United States Naval Reserve Armory in Grant Park. Here at the Grand Armour Alumni Reunion and Student Rally, they manifested their hearty interest in each other as professor met trustee, and alumnus chatted with student.

About their tables in the large banquet hall gathered the students and graduates from every class even the first Academy group which entered the Institute forty years ago. As the faculty and trustees marched down the aisle, they were hailed in an enthusiastic ovation by the Armour men. The well-fed engineers did their best to disprove the strength of the roof above as they cheered for class, school, and leaders. To the accompaniment of the twenty-eight piece Naval Reserve band, the Armour Fight song was sung, symbolizing the spirit of all present in the support of the development program under way.

In his welcome address, John J. Schommer, president of the association, drew an analogy of the Armour Plan as a football campaign. He compared the trustees to the coaches, the alumni to the linesmen, and the faculty to the team, all of whom were set on carrying the ball, the Institute, down the new campus to the goal posts which in reality are the towers of the engineering buildings to come.

Following the welcome, a number of alumni awards were presented by Harold W. Munday. For his developments in astronomy, Francis G. Pease of the class of 1901 was given the Alumni Association Dis-



REUNION AND STUDENT RALLY

tinguished Service Award, a recognition which is to be given annually to an alumnus for outstanding achievement. The recipient of the first annual award to the outstanding student of his class was Harvey C. Rossing, the ranking student of the class of 1932. Charles W. Hills, Jr. was presented with a testimonial from his committee for his industry in arranging the Reunion.

A significant honor was bestowed upon the Association's president, John J. Schommer, by the presentation of the first Alumni Association Service Key, an award for ceaseless and unselfish service to the Institute and the Association.

That the visionary Armour Plan will become a reality was assured by James D. Cunningham, chairman of the board of trustees, in a short talk after which he introduced the new members of the board.

The Armour Development Plan, in some of its detail, and a review of progress were pointed out by George W. Rossetter. Lawrence A. Downs reported on the personnel and placement program, Don M. Compton on the Armour radio program, and Alfred S. Alschuler on the new architectural department. Morris W. Lee, '99, reported that the naming committee decided to retain the present name as the best possible.

The alumni committee, headed by Charles W. Lee, Jr. '11, and Harold W. Munday '23, were justified in feeling proud of the results of their effort in having staged such a momentous undertaking as the reunion. With over two thousand present at the event, it is said to have been the largest of its kind ever held by a college in the middle west.

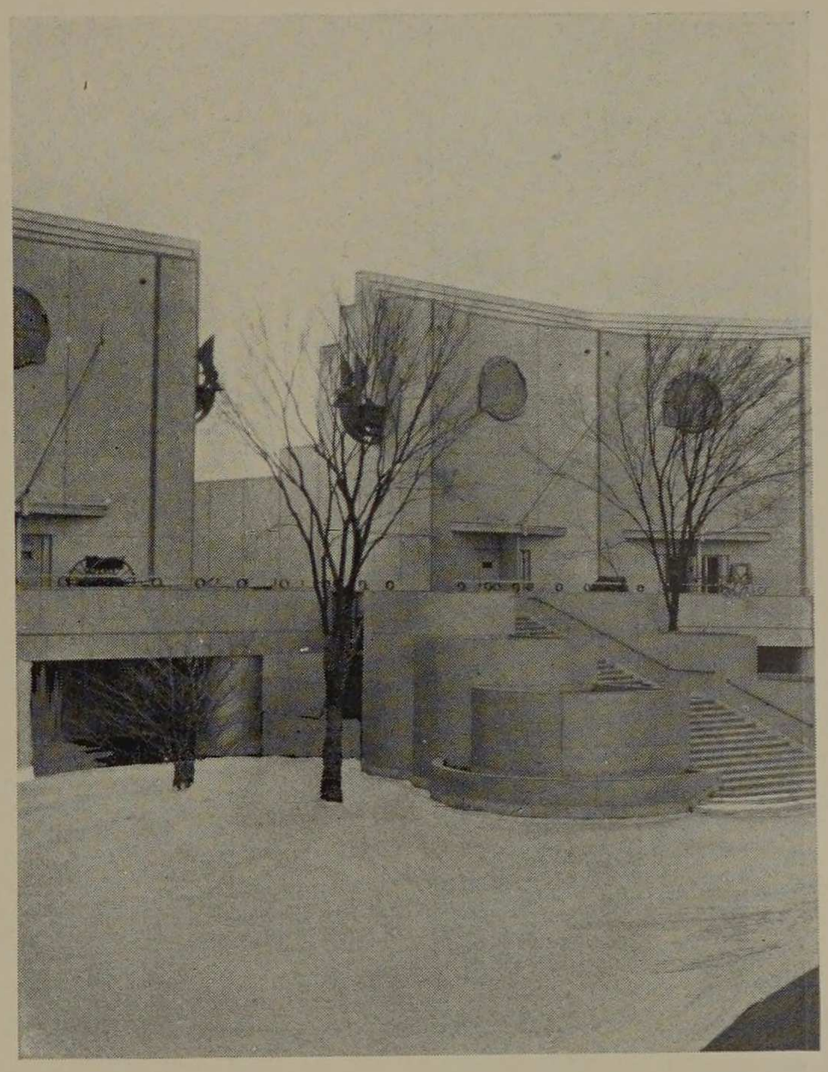
CLASSES

love, unfailing loyalty, and regard for fellowman, coupled with an unequalled sense of justice, have reared the greatest nation on the earth. second to patriotism to one's country, there is no bond stronger than that between the members of a band of troupers. in the government set, the federal building, stand three tall towers, symbolical of the triple-division of our system of self rule. in our company, naturally, there is the star, the supporting cast, the stage hand, and the extra, each classed according to his service and merit. gradually the deserving are drawn from the ranks and raised to a brilliant height.

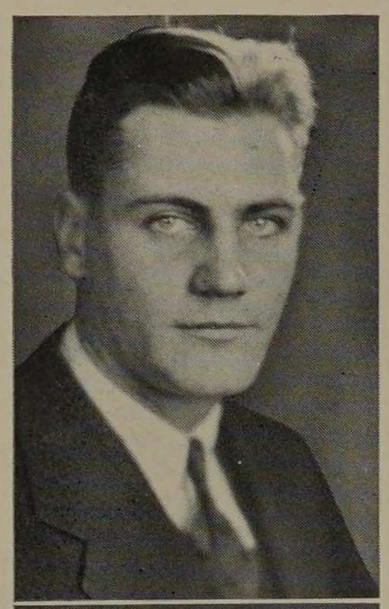


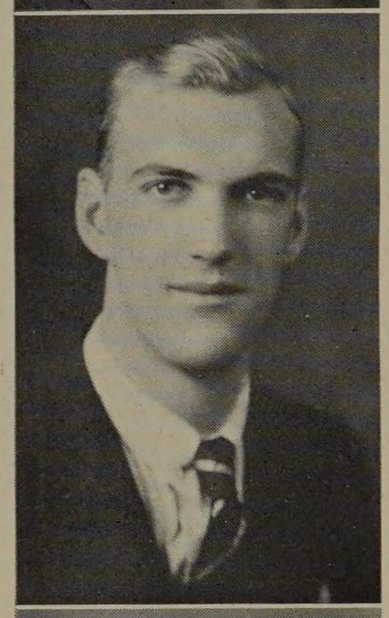
■

a state endowed with great natural resources or advantageous position becomes the "star" as does the senior who has, in the course of his life, steadily accumulated that resource in much the same manner of piling upon pile, although in an incomparably short period of time.



SENIORS







OFFICERS

Willis G. Buehne
President

George J. Beemsterboer
Vice-President

Vincent J. Galvani
Secretary

SENIORS

Another group of young men has been sent out into the world to help bring fame to Armour Institute of Technology. This group, the Class of 1933, has reached that rung in the ladder from which there is no returning. As we gaze at the product of four strenuous years of labor, we recall with pleasure the friendships formed from constant association with men having the same objective in life.

As Freshmen, the first few months were spent in acquiring a knowledge of the strange atmosphere prevalent at an institution of this type. The newness and strangeness of college life was one of the most formidable opponents we had to overcome in our fight for our ambition. However, it soon became apparent that the strict discipline of the high school was absent, and the earnestness and brotherly interest of the faculty brought forth a sense of responsibility and belief in ourselves which had been lacking heretofore. The Freshman Informal, our first social event, along with the vanquishing of the Sophomores in the Class Rush, did much to relieve the monotony of the first year.

The Sophomore Year, while actually more difficult than the first, found us more inclined toward harder tasks because of an understanding of the type of work required. No time was needlessly wasted as was done during the Freshman Year. By this time we had learned to apply ourselves as engineers—swiftly, surely, and economically. Outside activities began to occupy our attention, helping to enlarge the range of our interests. It was with a sigh of relief, however, that we left the dreaded second year behind to be only a memory.

Junior Year, the most fascinating year in any man's college life, began to utilize the fundamentals learned during the first two

COMMITTEES

Social	Announcement	Jacket
William W. Davies, *Chairman*	Bradford Larson, *Chairman*	Joseph D. Fernbach, *Chairman*
Harold J. Bannasch	Irving C. Johnson	Joseph J. Gura
William G. Booth	August J. Kreuzkamp	Bernhard H. E. Loesche
Roy W. Carlstrom	William T. Smethells	Ralph L. Scafuri
Irving C. Johnson	George W. Terp, Jr.	Elroy A. Snelling

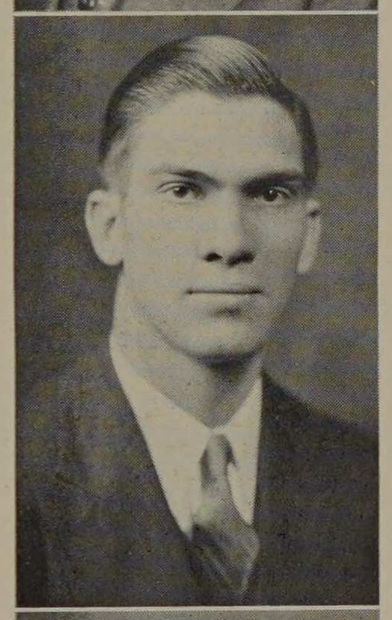
years. More and more time was devoted to outside activities along special lines. The various engineering societies, of which we became members, proved to be beneficial, both in giving us some place to relax, and by bringing us in contact with practicing engineers of high rank. Many of us were honored at this time by being bid to one or more of the Honorary Fraternities. This pleasant year was climaxed by Junior Week, and that event to which all Armour men look forward from the first day they enter the Institute, the Junior Formal.

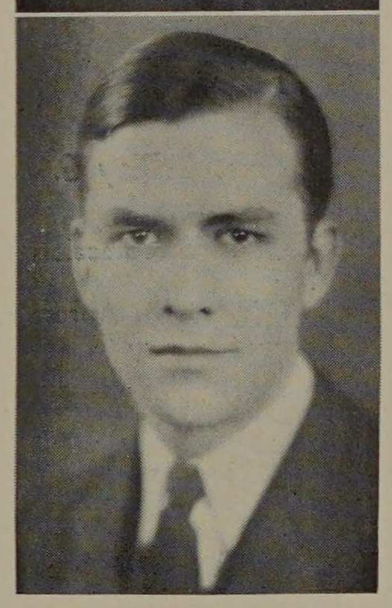
During the Senior Year we made rapid progress through the engineering applications already studied. Laboratories and reports required a good deal of our time, along with the newer subjects encountered. The various clubs, smokers, and dances made this the busiest year of our four at Armour.

Finally, the Class of '33 was gathered together as a complete body for the last time, not in order to attend a class meeting, a lecture, or a social event, but for the purpose of receiving the enlightening lesson presented at the Baccalaureate Sermon. Commencement Day found us ready to receive our well-earned reward for four years of toil, the goal that each of us had looked to for four long years.

Today, upon the completion of our schooling, we find our ideas more advanced and look upon our chosen profession in a new light. We are no longer carefree and reckless, but we hope are level headed, careful, and precise engineers, who lack only a practical training. Again we must start, as we enter our field of engineering, but this time from a higher level, and without a guiding hand. Armour has opened the path to our future field, shown us what we want and how to find it. Our progress from here depends upon our own ability.







OFFICERS

Charles B. Sommer
Treasurer

Wilfred W. Davies
Social Chairman

Edwin C. Kenner
Sargeant-at-Arms

COMMITTEES

PHOTOGRAPHY
Carroll K. Simons
Chairman
Walter G. Anderson
George R. Belton
Earl C. Bollinger
William W. Lange
John H. Miller

CAP AND GOWN
Earl G. Beard, Jr.
Chairman
Harold J. Bannasch
Alan D. Burnet
Lawrence Gabriel
Bernhard H. E. Loesche

JEWELRY
Maurice J. Erisman
Chairman
Vernon C. Alexander
Orville T. Barnett
Raymond J. Dufour
William A. Janssen
Raymond E. Nelson

Alexander, Vernon C.
Riverside, Ill.

B.S. in Civil Engineering
Riverside-Brookfield High School, Riverside, Ill. Triangle; Honor A Society; W.S.E. 2, 3, 4; Interclass Basketball 2, 3, 4; Interclass Baseball 2, 3, 4; Interclass Golf 1, 2, 3, 4; Jewelry Committee 4.

Altschuler, Martin
Chicago, Ill.

B.S. in Architecture
Crane Technical High School, Chicago, Ill. A.A.S. 1, 2, 3, 4.

Andersen, Walter G.
Chicago, Ill.

B.S. in Architecture
Lake View High School, Chicago, Ill. Armour Players 4; Rifle Club 3; A.A.S. 1, 2, 3, 4; Armour Engineer 4; Orchestra 3, 4; Stresses and Strains 3, 4; Photography Committee 4.

Anderson, LeRoy S.
Aurora, Ill.

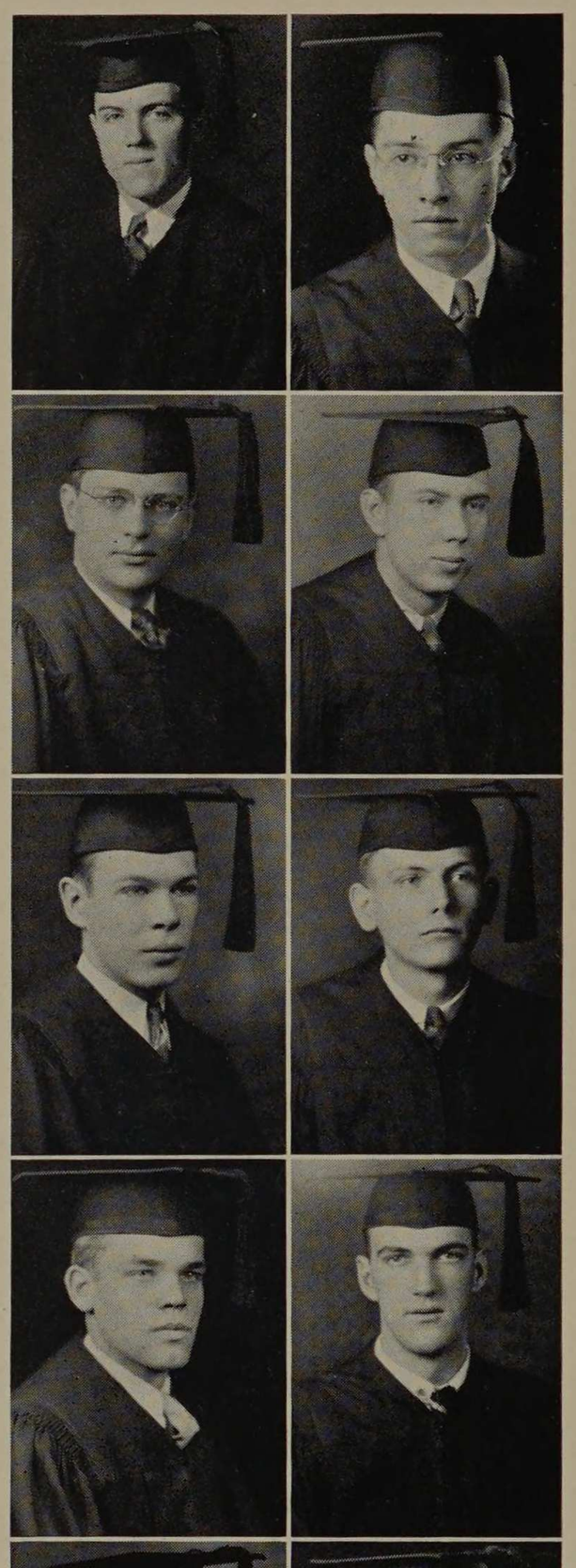
B.S. in Fire Protection Engineering
East High School, Aurora, Ill. Beta Psi; F.P.E.S. 2, 3, 4.

Bannasch, Harold J.
Chicago, Ill.

B.S. in Fire Protection Engineering
Lane Technical High School, Chicago, Ill. Salamander; Social Committee 4; Cap and Gown Committee 4.

Barnett, Orville T.
Chicago, Ill.

B.S. in Chemical Engineering
Hyde Park High School, Chicago, Ill. Sigma Alpha Mu, President; Black Knight; Sphinx; Press Club 2; A.I.Ch.E. 2, 3, 4; Interclass Track 1, 2, 3; Armour Tech News 1, 2, 3, 4, News Editor 3, Editor-in-Chief 4; Board of Publications 3, 4; Jewelry Committee 4; Interfraternity Council 4; Assistant Junior Marshall 3.



Baumann, Wilbur E.
Springfield, Ill.

B.S. in Civil Engineering
Springfield High School, Springfield, Ill. Theta Xi. President; W.S.E. 4; Social Committee 3; Orchestra 1.

Beard, Earl G.
Park Ridge, Ill.

B.S. in Civil Engineering
Maine Township High School, Park Ridge, Ill. Chi Epsilon; W.S.E. 3, 4; Honorary Marshall 2, 3.

Becker, Henry F., Jr.
Chicago, Ill.

B.S. in Fire Protection Engineering
Lane Technical High School, Chicago, Ill. Sphinx; Armour Radio Association 1, 2, 3; F.P.E.S. 2, 3, 4; Assistant Baseball Manager 3; Cycle 2, 3, Athletic Editor 3; Armour Tech News 2, 3, 4, Sports Editor 4.

Beemsterboer, George J.
Chicago, Ill.

B.S. in Civil Engineering
Mt. Carmel High School, Chicago, Ill. Chi Epsilon; Honor A Society; W.S.E. 3, 4; Basketball 2, 3, 4, Captain 4; Interclass Baseball 1, 2, 3, 4; Interclass Basketball 1, 2; Class Vice-President 3, 4.

Belton, George R.
Thorndale, Ontario

B.S. in Mechanical Engineering
Beck Collegiate Institute, London, Ontario. Theta Xi; A.S.M.E. 3, 4; Photography Committee 4.

Berglund, Gunner
Chicago, Ill.

B.S. in Fire Protection Engineering
Calumet High School, Chicago, Ill. Triangle; Glee Club 2, 3, 4; F.P.E.S. 1, 2, 3, 4; Track 4; Cycle 2; Class Secretary 2.

Bestler, Paul W.
La Grange, Ill.

B.S. in Chemical Engineering
Lyons Township High School, La Grange, Ill. Alpha Chi Sigma; A.I. Ch.E. 2, 3, 4.

Bockholt, William C.
Oak Park, Ill.

B.S. in Mechanical Engineering
Oak Park High School, Oak Park, Ill.

Bodinson, Harold W.
Aurora, Ill.

B.S. in Fire Protection Engineering
East High School, Aurora, Ill. Triangle; Press Club 1, 2; F.P.E.S. 1, 2, 3, 4; Armour Tech News 1, 2, 3, 4; Feature Editor 4; Class Social Chairman 3.

Bollinger, Earl C.
Chicago, Ill.

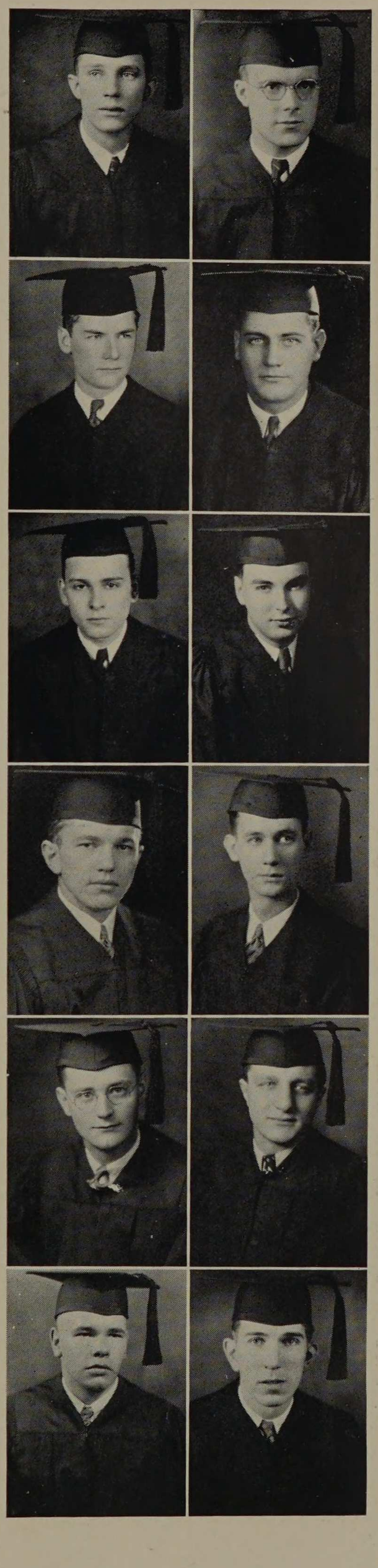
B.S. in Mechanical Engineering
Lane Technical High School, Chicago, Ill. Rifle Club 2; A.S.M.E. 3, 4; Orchestra 2, 3, 4; Stresses and Strains 2, 3, 4; Photography Committee 4.

Booth, William G., Jr.
Chicago, Ill.

B.S. in Chemical Engineering
Calumet High School, Chicago, Ill. University of Wisconsin, Madison, Wis. Sigma Chi; A.I.Ch.E. 2, 3, 4; Interclass Baseball 4; Social Committee 4.

Bottorff, Paul A.
Des Plaines, Ill.

B.S. in Civil Engineering
Maine Township High School, Des Plaines, Ill. W.S.E. 3, 4.



Bronwell, Arthur B.
Riverside, Ill.

B.S. in Electrical Engineering
Riverside-Brookfield High School, Riverside, Ill. A.I.E.E. 2, 3, 4.

Buehne, Willis G.
Chicago, Ill.

B.S. in Mechanical Engineering
Lake View High School, Chicago, Ill. Tau Beta Pi; Honor A Society; Pi Tau Sigma; A.S.M.E. 1, 2, 3, 4; Baseball 1, 2, 3, 4; Interclass Baseball 1, 2, 3, 4; Honor Marshall 3; Class President 4.

Burnet, Alan D.
Chicago, Ill.

B.S. in Civil Engineering
Lake View High School, Chicago, Ill. W.S.E. 2, 3, 4.

Cameron, Howard J.
Chicago, Ill.

B.S. in Civil Engineering
Greenbrier Military School, Lewisburg, West Virginia. Phi Pi Phi; Chess Club, President 4; W.S.E. 3, 4; A.T.A.A. 2.

Campione, Joseph L.
Chicago, Ill.

B.S. in Mechanical Engineering
Tilden Technical High School, Chicago, Ill. A.S.M.E. 3, 4; Boxing 2, 3.

Carlstone, Paul A.
Chicago, Ill.

B.S. in Mechanical Engineering
Senn High School, Chicago, Ill. Tau Beta Pi; Pi Tau Sigma; A.S.M.E. 3, 4; Stresses and Strains 3, 4; Orchestra 4.

Carlstrom, Roy W.
Chicago, Ill.

B.S. in Fire Protection Engineering

Carl Schurz High School, Chicago, Ill. Theta Xi; Black Knight; Honor A Society, President; F.P.E.S. 1, 2, 3, 4; Swimming 1, 2, 3, 4, Captain 4; Track 2; Interclass Relay 1; Interclass Track 4; Interclass Baseball 4; Class President 1; Board of Athletic Control 1; Assistant Junior Marshall 3; Honor Marshall 2, 3; Social Committee 4; Inter-Honorary Fraternity Council 4; A.T.A.A. 2, 3, 4, President 4.

Christensen, Carol C.
Morgan Park, Ill.

B.S. in Mechanical Engineering

Morgan Park High School, Morgan Park, Ill. A.S.M.E. 3, 4; Stresses and Strains 3.

Cislak, John F.
Cicero, Ill.

B.S. in Mechanical Engineering

St. Mel High School, Chicago, Ill. A.S.M.E. 2, 3, 4.

Clanton, Carl N.
Topeka, Kansas

B.S. in Fire Protection Engineering

Topeka High School, Topeka, Kan. Triangle; Tau Beta Pi; Salamander, President; Pi Nu Epsilon, President; Black Knight; Armour Players, 3, 4; F.P.E.S. 1, 2, 3, 4; Student Director Orchestra and Band 4.

Collick, Milton A.
Ironwood, Mich.

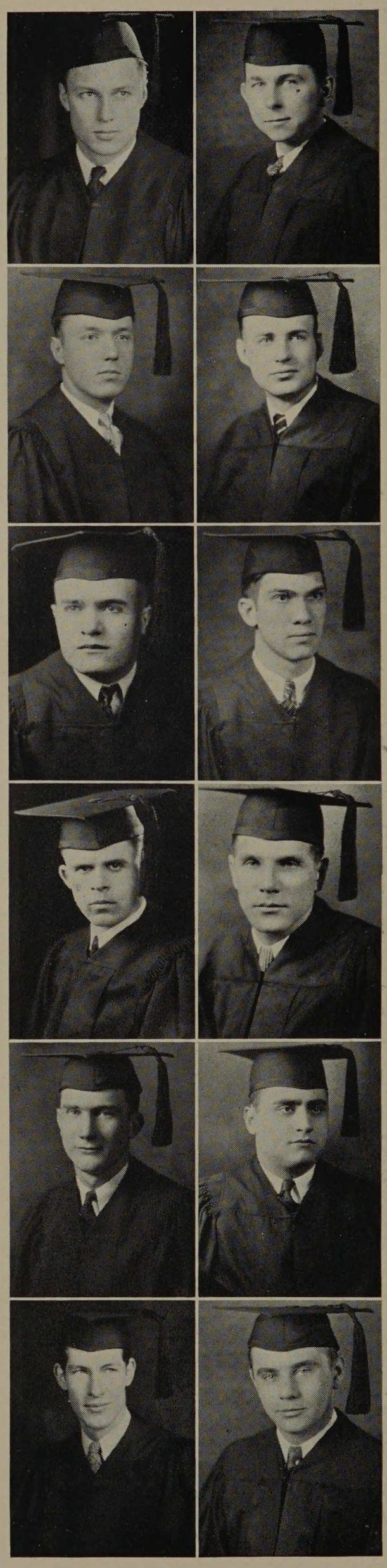
B.S. in Electrical Engineering

L.L. Wright High School, Ironwood, Mich. Theta Xi; Pi Nu Epsilon; Sphinx; Glee Club 2, 3, 4; Press Club 2; A.I.E.E. 2, 3, 4; Armour Tech News 2, 3, 4, Advertising Manager 4.

Cone, Spencer B.
Chicago, Ill.

B.S. in Architecture

Garden City High School, Garden City, Kansas. Delta Tau Delta; Scarab; Sphinx; Honor A Society; A.A.S. 1, 2, 3, 4; Tennis 2, 3, 4; Armour Engineer 2, 3, Art Editor 2, 3.



Cordes, Emmett L.
Chicago, Ill.

B.S. in Chemical Engineering

Morgan Park Military Academy, Chicago, Ill. Beta Psi; Honor A Society; Rifle Club 3, 4; Track 1, 2, 3, 4.

Curran, Edward L.
Chicago, Ill.

B.S. in Fire Protection Engineering

De LaSalle Institute, Chicago, Ill. Sphinx; Armour Players 3; Glee Club 2, 3; F.P.E.S. 1, 2, 3, 4; Interclass Baseball 2, 3; Armour Engineer 3, 4, Technical Editor 4.

Davies, Wilfred W.
Chicago, Ill.

B.S. in Architecture

Lane Technical High School, Chicago, Ill. Tau Beta Pi, President; Scarab; Black Knight; Armour Players 3, 4; A.A.S. 1, 2, 3, 4, President 3; Armour Tech News 2; Class Treasurer 1, 3; Class Social Chairman 4; Orchestra 4; Inter-Honorary Council, President; Honor Marshall 3.

Demikis, Anton, Jr.
Chicago, Ill.

B.S. in Electrical Engineering

John Marshall High School, Chicago, Ill. A.I.E.E. 3, 4.

Di Orio, Pasqual A.
Chicago, Ill.

B.S. in Electrical Engineering

Crane Technical High School, Chicago, Ill. Campus Club; A.I.E.E. 2, 3, 4.

Dombrowski, Roman J.
Chicago, Ill.

B.S. in Electrical Engineering

Crane Technical High School, Chicago, Ill. Truss Club; A.I.E.E. 2, 3, 4; Radio Club 2, 3, 4.

Donnellan, John P.
Chicago, Ill.

B.S. in Civil Engineering
St. Rita High School, Chicago, Ill. W.S.E. 3, 4; Baseball 1.

Dubsky, Frank A.
Chicago, Ill.

B.S. in Architecture
Tilden Technical High School, Chicago, Ill. Glee Club 2, 3, 4; A.A.S. 1, 2, 3, 4.

Dufour, Raymond J.
Oak Park, Ill.

B.S. in Mechanical Engineering
Oak Park High School, Oak Park, Ill. Triangle, President; Tau Beta Pi; Pi Tau Sigma, President; A.S.M.E. 2, 3, 4; Armour Tech News 2, 3; Assistant Junior Marshall 3; Interfraternity Council 4.

Dumser, Wesley T.
Chicago, Ill.

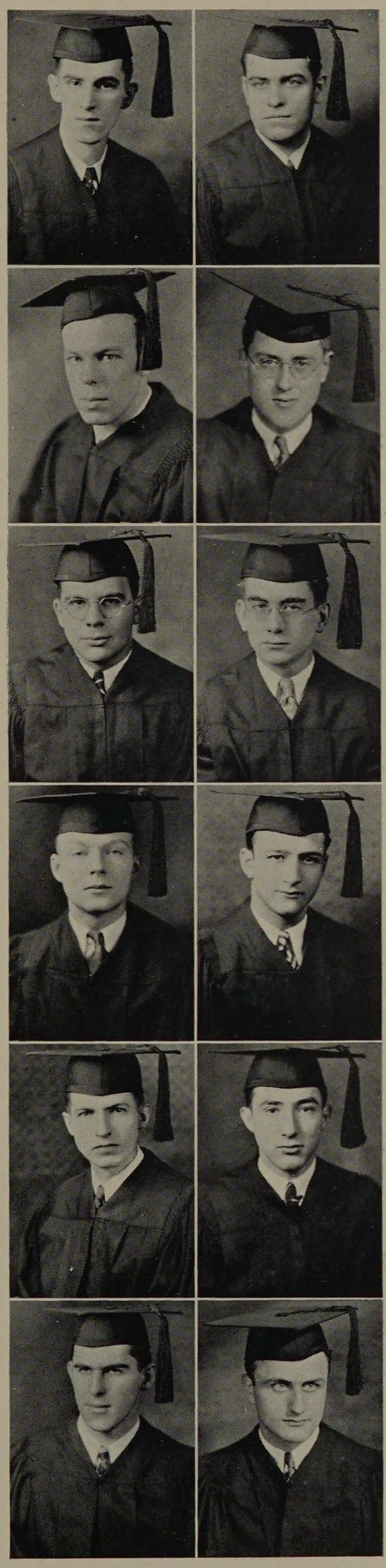
B.S. in Electrical Engineering
Lane Technical High School, Chicago, Ill. Eta Kappa Nu; Armour Radio Association 3, 4; Armour Players 3, 4; A.I.E.E. 2, 3, 4; Armour Tech News 1, 2, 3, 4.

Dunham, Edwin A.
Chicago, Ill.

B.S. in Electrical Engineering
Evanston High School, Evanston, Ill. Eta Kappa Nu; A.I.E.E. 2, 3, 4.

Eberth, Ellsworth E.
Chicago, Ill.

B.S. in Electrical Engineering
Bowen High School, Chicago, Ill. Phi Kappa Sigma; Eta Kappa Nu; Sphinx; A.I.E.E. 1, 2, 3, 4; Armour Tech News, 2, 3, 4, News Editor 4.



Emling, Charles A.
Chicago, Ill.

B.S. in Architecture
Central Y.M.C.A. Evening High School, Chicago, Ill. A.A.S. 1, 2, 3, 4; Wrestling 3.

Erisman, Maurice J.
Oak Park, Ill.

B.S. in Mechanical Engineering
Oak Park High School, Oak Park, Ill. Pi Tau Sigma; Sphinx; Armour Players 3; A.S.M.E. 3, 4; A.T.A.A. 3, 4; Track 1, 3, 4; Manager 4; Armour Tech News 3, 4, Circulation Manager 4; Assistant Junior Marshall 3; Election Committee 4; Chairman Jewelry Committee 4; Interclass Track 1; Interclass Relay 2.

Feinberg, Albert E.
Chicago, Ill.

B.S. in Electrical Engineering
Englewood High School, Chicago, Ill. Rho Delta Rho; Rifle Club 1, 2; A.I.E.E. 2, 3, 4; Boxing 4.

Fernbach, Joseph D.
Chicago, Ill.

B.S. in Electrical Engineering
Tilden Technical High School, Chicago, Ill. Armour Radio Association 3; Rifle Club 2, 3; A.I.E.E. 2, 3, 4; Class President 3; Jacket Committee Chairman 4.

Fishman, Henry
Chicago, Ill.

B.S. in Chemical Engineering
Englewood High School, Chicago, Ill. Rho Delta Rho; Phi Lambda Upsilon; A.I.Ch.E. 2, 3, 4; Armour Tech News 1, 2, 3, 4.

Fuhrer, Martin
Chicago, Ill.

B.S. in Mechanical Engineering
Carl Schurz High School, Chicago, Ill. A.S.M.E. 2, 3, 4; Armour Players 3, 4.

Galvani, Vincent J.
Chicago, Ill.

B.S. in Chemical Engineering
Crane Technical High School, Chicago, Ill. Phi Lambda Upsilon; Honor A Society; A.I.Ch.E. 2, 3, 4; Class Secretary 4; Baseball 1, 2, 3, 4; Interclass Baseball 1, 2, 3, 4.

Gess, Milton M.
Dolton, Ill.

B.S. in Electrical Engineering
Thornton Township High School, Harvey, Ill. A.I.E.E. 2, 3, 4.

Gisske, Edward
Chicago, Ill.

B.S. in Mechanical Engineering
Lane Technical High School, Chicago, Ill. Phi Pi Phi.

Goo, Karl M.
Chicago, Ill.

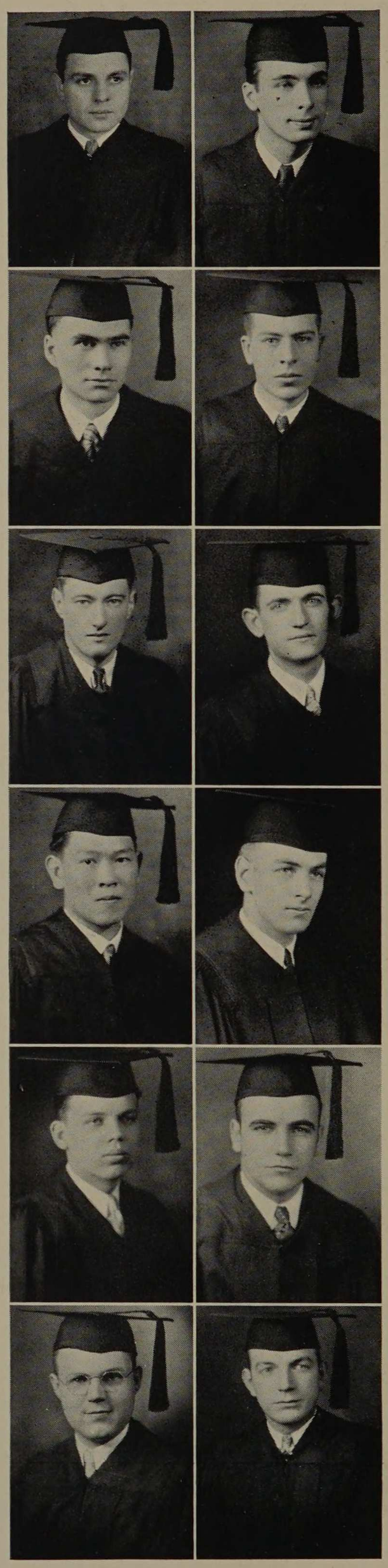
B.S. in Mechanical Engineering
McKinley High School, Honolulu, T. H. Rifle Club 3, 4.

Gura, Joseph J.
Chicago, Ill.

B.S. in Fire Protection Engineering
Lindblom High School, Chicago, Ill. Glee Club 1, 2; Armour Players 3, 4; F.P.E.S. 1, 2, 3, 4; Armour Engineer 3, 4, Engineering Progress Editor 4; Jacket Committee 4.

Hackley, K. Lewis
Chicago, Ill.

B.S. in Chemical Engineering
Crane Technical High School, Chicago, Ill. Phi Lambda Upsilon; Rifle Club 1, 2, 3, 4; Rifle Team 1, 2, 3, 4; A.I.Ch.E. 1, 2, 3, 4.



Hallen, George K.
Chicago, Ill.

B.S. in Electrical Engineering
Lane Technical High School, Chicago, Ill. Armour Players 4; Glee Club 1, 2; Chess Club 2, 3, 4; Boxing 1, 2, 3, 4.

Hanrahan, George E.
Glen Ellyn, Ill.

B.S. in Civil Engineering
Crane Technical High School, Chicago, Ill. W.S.E. 2, 3, 4.

Helmick, Allen H.
Chicago, Ill.

B.S. in Chemical Engineering
Lincoln High School, Webster City, Iowa. Alpha Chi Sigma; Rifle Club 1, 2, 3, 4; Track 1, 2, 3; A.I.Ch.E. 2, 3, 4 President; Interclass Track 1, 2, 3; Rifle Team 2, 3, 4, Captain 4.

Hess, R. Adair
Madison, Wisc.

B.S. in Mechanical Engineering
Tilden Technical High School, Chicago, Ill. Campus Club 1, 2, 3, 4; Rifle Club 2, 3; A.S.M.E. 1, 2, 3, 4.

Hoffman, William C.
Chicago, Ill.

B.S. in Mechanical Engineering
Lindblom High School, Chicago, Ill. Pi Tau Sigma; Truss Club 2, 3, 4; Rifle Club 4; A.S.M.E. 3, 4; Stresses and Strains 4.

Hollmann, Walter G.
Chicago, Ill.

B.S. in Chemical Engineering
Lane Technical High School, Chicago, Ill. Alpha Chi Sigma; Phi Lambda Upsilon; Rifle Club 2, 3, 4; A.I.Ch.E. 2, 3, 4.

Hulswit, William H.
Hubbard Woods, Ill.

B.S. in Electrical Engineering
New Trier High School, Winnetka, Ill. A.I.E.E. 2, 3, 4.

Jackson, John R., Jr.
Nashville, Tenn.

B.S. in Fire Protection Engineering
Hume Fogg High School, Nashville, Tenn. Delta Tau Delta; President; Sphinx; F.P.E.S. 1, 2, 3, 4; Armour Tech News 2, 3, 4; Interfraternity Council 4, President; Class Treasurer 2; Social Committee 1; Chairman Program Committee 4; Press Club 2, 3.

Jackson, William D.
Winona, Minn.

B.S. in Civil Engineering
Winona Senior High School, Winona, Minn. Theta Xi; W.S.E. 3, 4; Glee Club 1.

James, Erwin H.
Chicago, Ill.

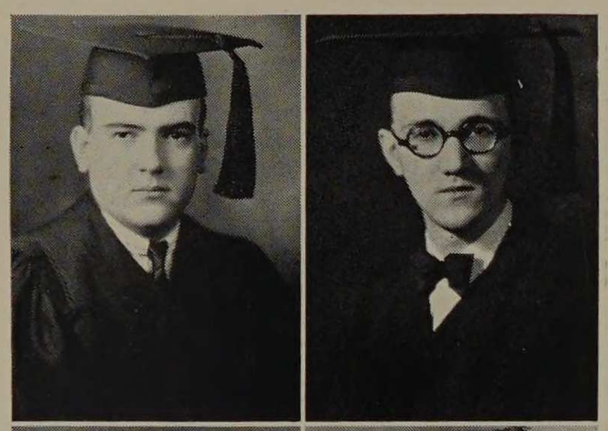
B.S. in Architecture
Lane Technical High School, Chicago, Ill. A.A.S. 1, 2, 3, 4.

Janssen, William A.
Oak Park, Ill.

B.S. in Architecture
Oak Park High School, Oak Park, Ill. Glee Club 1; A.A.S. 1, 2, 3, 4; Honor Marshall 2; Jewelry Committee 4.

Jenson, Gust, Jr.
Chicago, Ill.

B.S. in Chemical Engineering
Bowen High School, Chicago, Ill. Campus Club 4; A.I.Ch.E. 3, 4.



Job, Boleslaus W.
Chicago, Ill.

B.S. in Electrical Engineering
Carter Harrison Technical High School, Chicago, Ill. A.I.E.E.

Johannison, Sven
Chicago, Ill.

B.S. in Chemical Engineering
Lake View High Cchool, Chicago, Ill. Honor A Society; Campus Club, President 3; A.I.Ch.E. 1, 2, 3, 4; Golf 1, 2, 3, 4; Captain 4; Alpha Chi Sigma, President 3.

Johnson, Irving C.
Chicago, Ill.

B.S. in Mechanical Engineering
Nicholas Senn High School, Chicago, Ill. A.S.M.E. 3; Interclass Baseball 1, 2, 3; Interclass Basketball 1, 2, 3; Junior Marshall; Social Committee 4; Announcement Committee 4.

Juvinall, James W.
Chicago, Ill.

B.S. in Electrical Engineering
Hyde Park High School, Chicago, Ill. Phi Kappa Sigma; Tau Beta Pi; Eta Kappa Nu, President; Sphinx; Black Knight, President; Armour Players 3; A.I.E.E. 2, 3, 4; Armour Tech News 1, 2, 3, 4, Associate Editor 4, Managing Board 4; Armour Engineer 2; Honor Marshall 2, 3; Interhonorary Council 4; Board of Publications 4.

Kaiser, Charles A.
Chicago, Ill.

B.S. in Electrical Engineering
Lindblom High School, Chicago, Ill. A.I.E.E. 2, 3, 4.

Kampwirth, John L.
Chicago, Ill.

B.S. in Civil Engineering
St. Rita High School, Chicago, Ill. W.S.E. 3, 4; Armour Tech News 3, 4.

Kenner, Edwin C.
Macomb, Ill.

B.S. in Fire Protection Engineering
Macomb High School, Macomb, Ill. Triangle; Press Club 2; F.P.E.S. 1, 2, 3, 4; Track 4; Armour Tech News 2, 3, 4; Interclass Track 2, 3, 4.

Knudson, Raymond L.
Chicago, Ill.

B.S. in Electrical Engineering
Nicholas Senn High School, Chicago, Ill. Glee Club 2, 3; Campus Club 2, 3, 4; A.I.E.E. 3, 4.

Krawitz, Ira
Chicago, Ill.

B.S. in Civil Engineering
Waller High School, Chicago, Ill. Rho Delta Rho; W.S.E. 2, 3, 4.

Kreuzkamp, August J.
Highland Park, Ill.

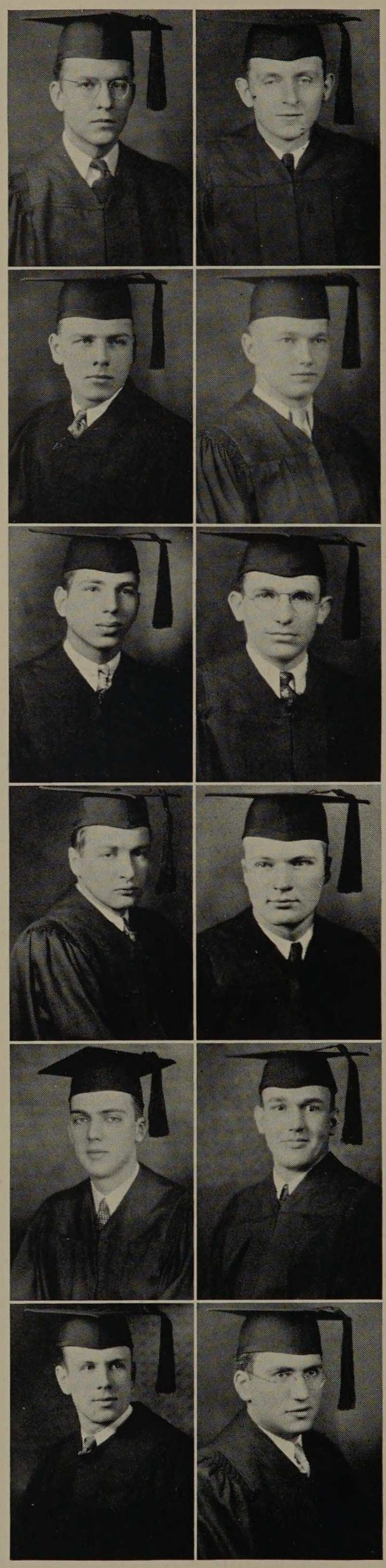
B.S. in Mechanical Engineering
Deerfield High School, Highland Park, Ill. Massachusetts Institute of Technology, Brookline, Mass. Phi Kappa; Honor A Society; Track 2, 3, 4.

Kubicek, Earl C.
Chicago, Ill.

B.S. in Architecture
Parker High School, Chicago, Ill. A.A.S. 1, 2, 3, 4; Armour Tech News 2, 3.

Kubicka, Joseph L.
Chicago, Ill.

B.S. in Chemical Engineering
Lane Technical High School, Chicago, Ill. Beta Psi; Alpha Chi Sigma; A.I.Ch.E.



Lange, William W.
Chicago, Ill.

B.S. in Electrical Engineering
Lake View High School, Chicago, Ill. Beta Psi, President; Tau Beta Pi; Eta Kappa Nu; Sphinx; Pi Nu Epsilon; Black Knight; Armour Radio Association 1, 2, 3; Musical Club 1, 2, 3, 4; A.I.E.E. 2, 3, 4; Band 1, 3, 4; Orchestra 2, 3, 4; Cycle 2, 3, 4; Photography Editor 3, 4; Armour Engineer 3, 4, Staff Photographer 3, 4; Interfraternity Council 4, President; Social Committee 3; Press Club 2; Photography Committee 4.

Larson, Bradford
Highland Park, Ill.

B.S. in Fire Protection Engineering
Deerfield Shields High School, Highland Park, Ill. Sigma Kappa Delta, President; Tau Beta Pi; Salamander; F.P.E.S. 1, 2, 3, 4; Baseball Manager 4; Armour Engineer 3, 4; Interfraternity Council 4; Election Committee 4; Announcement Committee 4.

Lencki, Sigmund T.
Chicago, Ill.

B.S. in Mechanical Engineering
Bowen High School, Chicago, Ill. Rifle Club; Orchestra 2, 3.

Loesche, Bernhard E.
Chicago, Ill.

B.S. in Civil Engineering
Tilden Technical High School, Chicago, Ill. Tau Beta Pi; Chi Epsilon; W.S.E. 2, 3, 4; Orchestra 1, 2; Stresses and Strains 2; Election Committee 4; Cap and Gown Committee 4; Jacket Committee 4.

Lomasney, Edmond P.
Chicago, Ill.

B.S. in Chemical Engineering
Tilden Technical High School, Chicago, Ill. Sphinx; Campus Club 2, 3, 4; A.I.Ch.E 2, 3. 4; Armour Engineer 2, 3, 4.

Luckerman, Philip
Chicago, Ill.

B.S. in Chemical Engineering
Crane Technical High School, Chicago, Ill. A.I.Ch.E 3, 4.

Luckett, Thomas D.
Louisville, Kentucky

B.S. in Architecture
The Hill School, Pottstown, Penn. Delta Tau Delta; Scarab; A.A.S. 1, 2, 3, 4; Track 1, 2; Cycle 1, 2, 3; Art Editor 3; Class Vice-President 1.

MacIntyre, Alexander M.
Chicago, Ill.

B.S. in Electrical Engineering
Pullman Free School of Manual Training, Chicago, Ill. University of Chicago, Chicago, Ill.

Marks, Christian W.
Chicago, Ill.

B.S. in Mechanical Engineering
Carl Schurz High School, Chicago, Ill. A.S.M.E.; Interclass Baseball 4; Interclass Basketball 1, 2, 3, 4; Track 4.

Mauer, Jacob T.
Chicago, Ill.

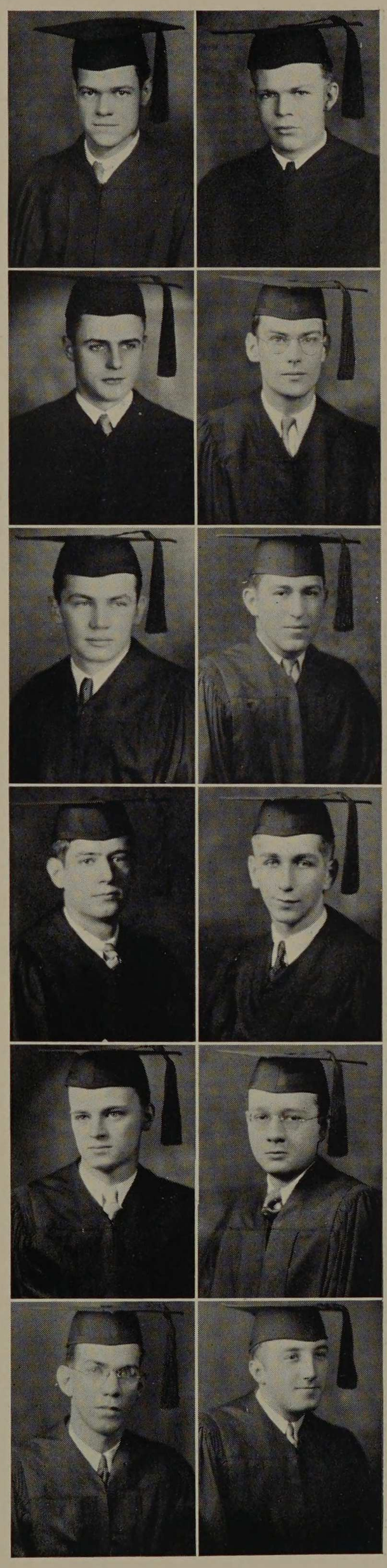
B.S. in Civil Engineering
Roosevelt High School, Chicago, Ill. Chi Epsilon; W.S.E. 3, 4; Rifle Club 2, 3; Interclass Basketball 1, 2, 3, 4.

McKenna, George W.
Chicago, Ill.

B.S. in Architecture
Hyde Park High School, Chicago, Ill.

McLane, John R.
Honolulu, T. H.

B.S. in Architecture
Punahou Academy, Honolulu, T. H. Delta Tau Delta; A.A.S. 1, 2, 3, 4; Swimming 1.



Meehan, Robert F.
Chicago, Ill.

B.S. in Mechanical Engineering
St. Rita High School, Chicago, Ill. Theta Xi; Pi Nu Epsilon; Musical Clubs, President 4; A.S.M.E. 3,4; Band 1, 2, 3; Orchestra 1, 2, 3, 4; Stresses and Strains 1, 2, 3, 4.

Meyer, Albert L.
Maywood, Ill.

B.S. in Fire Protection Engineering
Proviso High School, Maywood, Ill. F.P.E.S. 1, 2, 3, 4.

Meyer, Herman
Chicago, Ill.

B.S. in Mechanical Engineering
Crane Technical High School, Chicago, Ill. Rho Delta Rho, President; Interfraternity Council 4; Pi Nu Epsilon; Musical Clubs; W.S.E. 2, 3, 4; Orchestra 2, 3; Stresses and Strains 2, 3, 4, Director 4.

Meyer, Robert N.
Chicago, Ill.

B.S. in Electrical Engineering
Tilden Technical High School, Chicago, Ill. Truss Club 4; Armour Players 4; A.I.E.E. 3, 4; Interclass Baseball 3.

Miller, John H.
Chicago, Ill.

B.S. in Chemical Engineering
Lane Technical High School, Chicago, Ill. Phi Kappa Sigma, President; Phi Lambda Upsilon; Alpha Chi Sigma; Sphinx; Rifle Club 2; A.I.Ch.E 2, 3, 4; Armour Tech News 1; Cycle 3, 4, Organization Editor 3; Assistant Editor 4; Interfraternity Council 4; Photography Committee 4.

Mitchell, Charles R.
Chicago, Ill.

B.S. in Mechanical Engineering
Lindblom High School, Chicago, Ill. Phi Pi Phi; A.S.M.E. 1, 2, 3, 4; Boxing 2; Interfraternity Council 4.

Moline, Robert W.
Chicago, Ill.

B.S. in Chemical Engineering
Bowen High School, Chicago, Ill. Campus Club 2, 3, 4; A.I.Ch.E. 2, 3, 4.

Monger, Harold J.
Chicago, Ill.

B.S. in Mechanical Engineering
Carl Schurz High School, Chicago, Ill. Pi Tau Sigma; Armour Players 3, 4; Armour Tech News 2, 3, 4; A.S.M.E. 3, 4.

Moravec, Julius
Chicago, Ill.

B.S. in Mechanical Engineering
Lindblom High School, Chicago, Ill. Tau Beta Pi; Pi Tau Sigma; A.S.M.E. 3.

Morris, Sidney H.
Chicago, Ill.

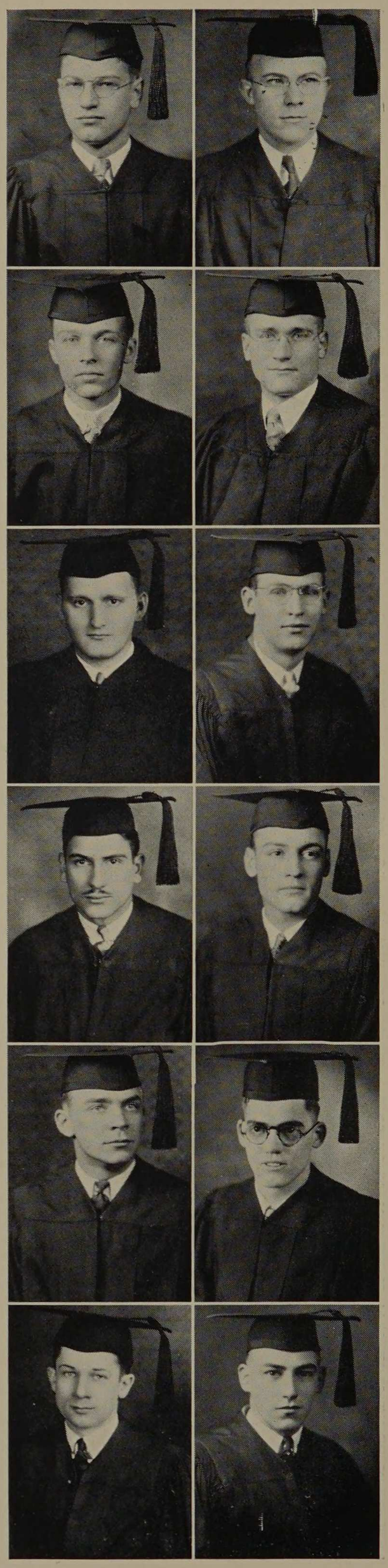
B.S. in Architecture
Crane Technical High School, Chicago, Ill. Sigma Alpha Mu; A.A.S. 2, 3, 4; Armour Players 4; Boxing 3; Armour Tech News 2, 3.

Nelson, Clifford A.
Chicago, Ill.

B.S. in Fire Protection Engineering
Lindblom High School, Chicago, Ill. Theta Xi; F.P.E.S. 1, 2, 3, 4; Orchestra 2; Stresses and Strains 1, 2.

Nelson, Hans P.
Chicago, Ill.

B.S. in Architecture
Carl Schurz High School, Chicago, Ill. Glee Club 2, 3; A.A.S. 2, 3, 4.



Nelson, Raymond E.
Chicago, Ill.

B.S. in Mechanical Engineering
Nicholas Senn High School, Chicago, Ill. Theta Xi; Pi Tau Sigma; Sphinx; Press Club 2; Glee Club 4; A.S.M.E. 3, 4; Board of Publications 4; Armour Tech News 1, 2, 3, 4, Business Manager 4; Jewelry Committee 4.

Paine, Franklin W.
Park Ridge, Ill.

B.S. in Chemical Engineering
Maine Township High School, Des Plaines, Ill. Phi Lambda Upsilon, President; Sphinx; Black Knight; Honor A Society; Rifle Club 3, 4; A.I.Ch.E. 1, 2, 3, 4; Tennis 2, 3, 4; Armour Tech News 2, 3, 4, Copy Editor 3, 4; Honor Marshall 2, 3.

Pechman, Jack R.
Denver, Colorado

B.S. in Fire Protection Engineering
East High School, Denver, Colorado. Theta Xi; F.P.E.S. 1, 2, 3, 4; Tennis Manager 4; Social Committee 2, 3.

Penfold, Norman C.
Chicago, Ill.

B.S. in Mechanical Engineering
Nicholas Senn High School, Chicago, Ill. Pi Tau Sigma; A.S.M.E.; Social Committee 3.

Peterson, Victor P.
Chicago, Ill.

B.S. in Electrical Engineering
Tilden Technical High School, Chicago, Ill. Truss Club; A.I.E.E. 2, 3, 4.

Pihl, Stanley E.
Chicago, Ill.

B.S. in Mechanical Engineering
Calumet High School, Chicago, Ill. A.S.M.E. 3, 4; Interclass Baseball 2, 3; Interclass Basketball 1, 2, 3, 4; Basketball 3.

Plhak, Roy L.
Cicero, Ill.

B.S. in Architecture
Crane Technical High School, Chicago, Ill. University of Illinois, Urbana, Ill. Delta Chi.

Poedtke, Carl H.
Chicago, Ill.

B.S. in Civil Engineering
Lane Technical High School, Chicago, Ill.; W.S.E. 3, 4; Interclass Basketball 1, 2, 3, 4.

Priban, Milton L.
Chicago, Ill.

B.S. in Electrical Engineering
Harrison Technical High School, Chicago, Ill. Eta Kappa Nu; A.I.E.E. 2, 3, 4; Interclass Basketball 2, 3, 4.

Rasmussen, Harold
Chicago, Ill.

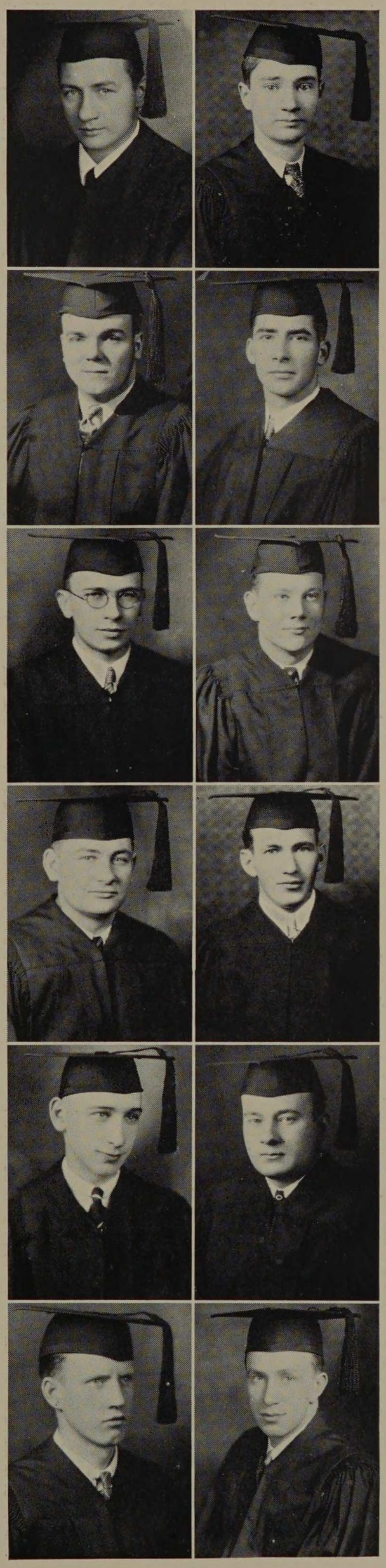
B.S. in Fire Protection Engineering
Creighton High School, Omaha, Nebraska. A.I.E.E. 1; F.P.E.S. 4.

Ream, Altus M.
Chicago, Ill.

B.S. in Chemical Engineering
Lake View High School, Chicago, Ill. Alpha Chi Sigma, President 3; Armour Engineer 3, 4, Advertising Manager 4; Campus Club; A.I.Ch.E. 2, 3, 4.

Reardon, Edward P.
Chicago, Ill.

B.S. in Electrical Engineering
Loyola Academy, Chicago, Ill.



Reber, Grote
Wheaton, Ill.

B.S. in Electrical Engineering
Wheaton Community High School, Wheaton, Ill. A.I.E.E. 2, 3, 4.

Reynolds, Harold C.
Cordova, Ill.

B.S. in Electrical Engineering
Chaffey High School, Ontario, California. A.I.E.E. 2, 3, 4; Radio Club 1.

Rohrer, John A.
Hammond, Indiana

B.S. in Mechanical Engineering
Hammond High School, Hammond, Indiana. Phi Pi Phi; A.S.M.E; Social Committee 2; Band 1, 2; Swimming 1.

Rosenfeld, Phil
Chicago, Ill.

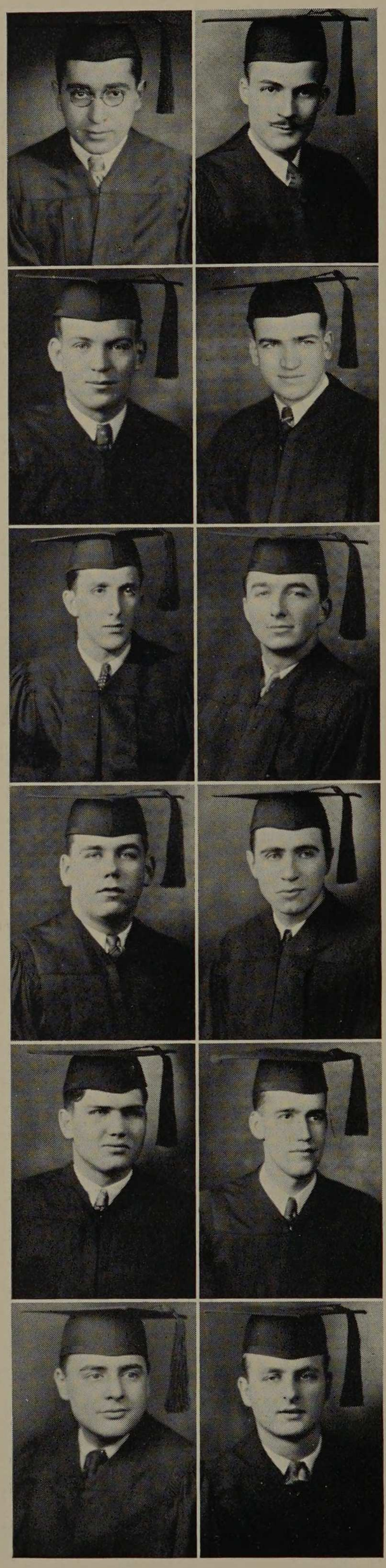
B.S. in Civil Engineering
Crane Technical High School, Chicago, Ill. Kappa Delta Epsilon, President; Interfraternity Council 4; W.S.E. 3, 4; Wrestling 3, 4.

Rychlik, Robert F.
Chicago, Ill.

B.S. in Electrical Engineering
Harrison Technical High School, Chicago, Ill. Eta Kappa Nu; Sphinx; Armour Radio Association; Armour Players 3, 4; A.I.E.E. 2, 3, 4; Armour Tech News 1, 2, 3, 4, Managing Editor 4, Managing Board 4.

Sademan, Elmer E.
Chicago, Ill.

B.S. in Fire Protection Engineering
Lane Technical High School, Chicago, Ill. Honor A Society; F.P.E.S. 2, 3, 4; Track 1, 2, 3, 4, Captain 4; Interclass Baseball 4; Interclass Basketball 3; Class President 2.



Sanchez, Joe R.
San Luis Potosi, Mexico

B.S. in Electrical Engineering
Lake View High School, Chicago, Ill. Campus Club; Armour Engineer 3.

Sandstedt, Julius S.
Chicago, Ill.

B.S. in Architecture
Englewood High School, Chicago, Ill. A.B. Augustana College, Rock Island, Ill. A.A.S. 1, 2, 3, 4; Basketball 1; Interclass Basketball 2, 3; Interclass Baseball 1, 2, 3.

Scafuri, Ralph L.
Chicago, Ill.

B.S. in Architecture
Crane Technical High School, Chicago, Ill. Beta Psi; Musical Clubs; A.A.S. 1, 2, 3, 4; Interclass Baseball 2, 3; Jacket Committee 4.

Schultz, Carlisle C.
Chicago, Ill.

B.S. in Architecture
Englewood High School, Chicago, Ill. Glee Club; Armour Players 3, 4; A.A.S. 1, 2, 3, 4.

Schwennesen, Donald O.
Chicago, Ill.

B.S. in Electrical Engineering
Lake View High School, Chicago, Ill. Rifle Club 2; A.I.E.E. 2, 3, 4; Armour Tech News 4.

Siegal, Irving
Chicago, Ill.

B.S. in Architecture
Harrison Technical High School, Chicago, Ill. A.A.S. 1, 2, 3, 4.

Simons, Carroll K.
Chicago, Ill.

B.S. in Mechanical Engineering
Carl Schurz High School, Chicago, Ill. Phi Kappa Sigma, President 3, 4; Sphinx; Interfraternity Council 3, 4; Rifle Club 2; Press Club 2; A.A.S. 1, 2; A.S.M.E. 3, 4; Cycle 2, 3, 4; Associate Editor 3, Editor-in-Chief 4; Chairman Photography Committee, 4.

Skubic, Leroy F.
Chicago, Ill.

B.S. in Architecture
Harrison Technical High School, Chicago, Ill. A.A.S. 2, 3, 4.

Smethells, William T.
South Haven, Mich.

B.S. in Fire Protection Engineering
South Haven High School, South Haven, Mich. Theta Xi; F.P.E.S. 2, 3, 4; Announcement Committee 4.

Snapp, Dean B.
Oak Park, Ill.

B.S. in Fire Protection Engineering
Oak Park High School, Oak Park, Ill. Beta Psi; F.P.E.S. 2, 3, 4.

Snelling, Elroy A.
Chicago, Ill.

B.S. in Electrical Engineering
Tilden Technical High School, Chicago, Ill. A.I.E.E. 2, 3, 4.

Sommer, Charles B.
Chicago, Ill.

B.S. in Architecture
Lane Technical High School, Chicago, Ill. Scarab; Honor A Society; A.A.S. 1, 2, 3, 4; Baseball 2, 3, 4; Boxing 2; Armour Tech News 4; Class Treasurer 4; Interclass Baseball 2, 3, 4.

Sorensen, Jarl T.
Chicago, Ill.

B.S. in Fire Protection Engineering
Carl Schurz High School, Chicago, Ill. Theta Xi; Tau Beta Pi; Salamander; Sphinx, President; Black Knight; Press Club 2; F.P.E.S. 1, 2, 3, 4, President; Track 1, 2; Basketball 1; Manager, Swimming Team 4; Interclass Track 1, 2, 3, 4; Interclass Basketball 2; Interclass Relay 1, 3, 4; Cycle 2, 3, Social Editor 3; Armour Engineer 2, 3, 4, Assistant Editor 3, Editor-in-Chief 4; Board of Publications 3, 4; Class Treasurer 2; Inter-Honorary Fraternity Council 4.

Spawn, Orville J.
Chester, S. D.

B.S. in Chemical Engineering
Chester Consolidated High School, Chester, S. D. South Dakota State College, Brookings, S. D.

Staib, Otto W.
Aurora, Ill.

B.S. in Fire Protection Engineering
East High School, Aurora, Ill. Beta Psi; F.P.E.S. 1, 2, 3, 4; Track 1; Golf Manager 4; Cycle 2, 3, Busineess Manager 3; Social Chairman 2; Election Committee 2.

Steinhaus, Arthur L.
Sheboygan, Wisc.

B.S. in Fire Protection Engineering
Sheboygan High School, Sheboygan, Wisc. Beta Psi; Pi Nu Epsilon; Armour Musical Club; Glee Club, President; F.P.E.S. 1, 2, 3, 4.

Terp, George W., Jr.
Chicago, Ill.

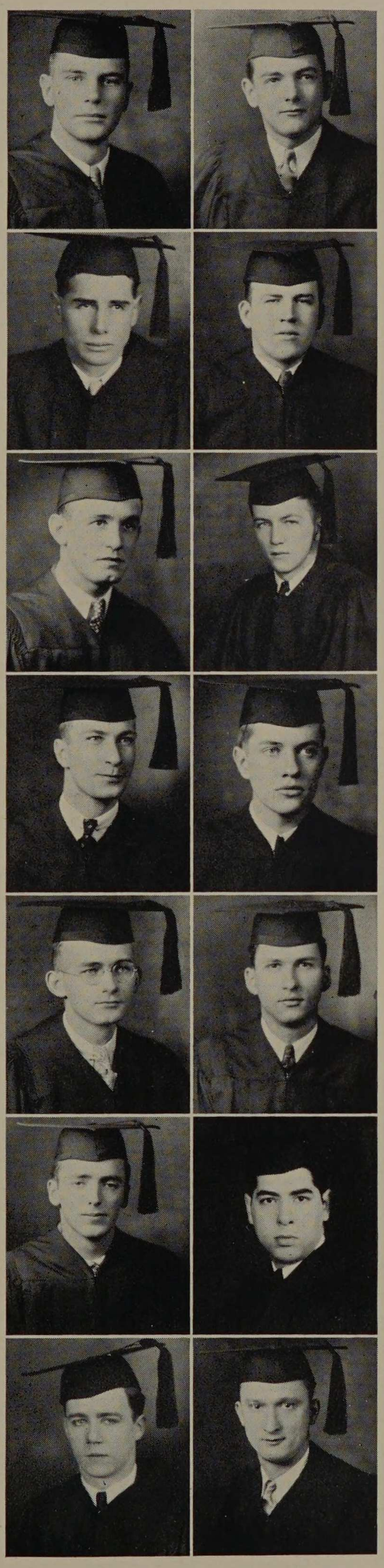
B.S. in Architecture
Bowen High School, Chicago, Ill. Scarab; Armour Players 3, 4; Glee Club; A.A.S. 1, 2, 3, 4. Announcement Committee 4.

Tufts, Robert R.
Chicago, Ill.

B.S. in Architecture
University of Chicago High School, Chicago, Ill. Carleton College, Northfield, Minn. Delta Tau Delta.

Kerrigan, Vincent M.
Chicago, Ill.

B.S. in Electrical Engineering
Lane Technical High School, Chicago, Ill.



Tyler, William W.
Monroe Center, Ill.

B.S. in Electrical Engineering
Monroe Center High School, Monroe Center, Ill. Theta Xi; A.I.E.E. 2, 3, 4.

Wandrey, Erwin
Chicago, Ill.

B.S. in Mechanical Engineering
Lane Technical High School, Chicago, Ill. Rifle Club 1, 2, 3, 4; President 4; A.S.M.E. 3, 4.

Weldon, Walter J.
Chicago, Ill.

B.S. in Fire Protection Engineering
Carl Schurz High School, Chicago, Ill. Honor A; F.P.E.S. 2, 3, 4; Golf 2, 3, 4; Baseball 3, 4; Interclass Baseball 2, 3, 4; Interfraternity Athletics Manager 4.

Wilson, Donald G.
Chicago, Ill.

B.S. in Electrical Engineering
Hyde Park High School, Chicago, Ill. Tau Beta Pi; Eta Kappa Nu; Rifle Club 1, 2, 3, 4, President 2; A.I.E.E. 2, 3, 4.

Winogrond, Milton
Chicago, Ill.

B.S. in Chemical Engineering
Roosevelt High School, Chicago, Ill. Sigma Alpha Mu.

Wise, Morris J.
Chicago, Ill.

B.S. in Architecture
Crane Technical High School, Chicago, Ill. Kappa Delta Epsilon; A.A.S. 2, 3, 4.

Zvonecek, Joseph W.
Chicago, Ill.

B.S. in Mechanical Engineering
Y.M.C.A. High School, Chicago, Ill.
A.S.M.E. 3, 4.

SENIORS SANS PICTURES

Babcock, Gifford S.
Clifton, Ill.

B.S. in Electrical Engineering
Kankakee High School, Kankakee, Ill.

Cole, Abraham
Chicago, Ill.

B.S. in Architecture
Lane Technical High School, Chicago, Ill. A.A.S. 1, 2, 3, 4.

Gabriel, Lawrence
Chicago, Ill.

B.S. in Civil Engineering
South Division High School, Milwaukee, Wis.

Giovan, Nick C.
Chicago, Ill.

B.S. in Civil Engineering
Varvakion Technical High School, Athens, Greece. Honor A Society 4; Campus Club 1, 2, 3, 4; W.S.E. 3, 4; Swimming 1, 2, 3, 4; Track 1.

Larson, Walter H.
Chicago, Ill.

B.S. in Architecture
Nicholas Senn High School, Chicago, Ill. Delta Tau Delta; A.A.S. 1, 2, 3, 4; Cycle 2, 3; Fraternity Editor 3; Orchestra 1; Class Vice-President 2; Class Secretary 3.

MacLennan, Jack
Chicago, Ill.

B.S. in Civil Engineering
Parker Senior High School, Chicago, Ill. Phi Pi Phi; Chess Club 4; W. S.E. 2, 3, 4; Interclass Basketball 2, 3, 4.

Mahone, Albert L.
Park Ridge, Ill.

B.S. in Electrical Engineering
Nicholas Senn High School, Chicago, Ill. Northwestern Military Academy, Lake Forest, Ill. B.S. Lewis Institue, Chicago, Ill.

McWilliams, Walter A., Jr.
Chicago, Ill.

B.S. in Civil Engineering
Englewood High School, Chicago, Ill. Triangle; W.S.E. 3, 4; Interclass Baseball 4; Interclass Basketball 3. 4.

Rowe, Harry C., Jr.
Chicago, Ill.

B.S. in Electrical Engineering
Lane Technical High School, Chicago, Ill. A.I.E.E. 2, 3, 4; Armour Radio Association 2, 3.

Shaver, Earl G.
Roseland, Ill.

B.S. in Chemical Engineering
Fenger High School, Roseland, Ill. Campus Club; A.I.Ch.E. 2, 3, 4; Armour Engineer 3, 4.

Vanderpoorten, Steven A.
Chicago, Ill.

B.S. in Fire Protection Engineering
Gilman Community High School, Gilman, Ill. University of Illinois. Sigma Phi Sigma; Salamander; Tau Beta Pi; Orchestra 2, 3, 4; Band 2, 3, 4; Stresses and Strains 2, 3, 4.

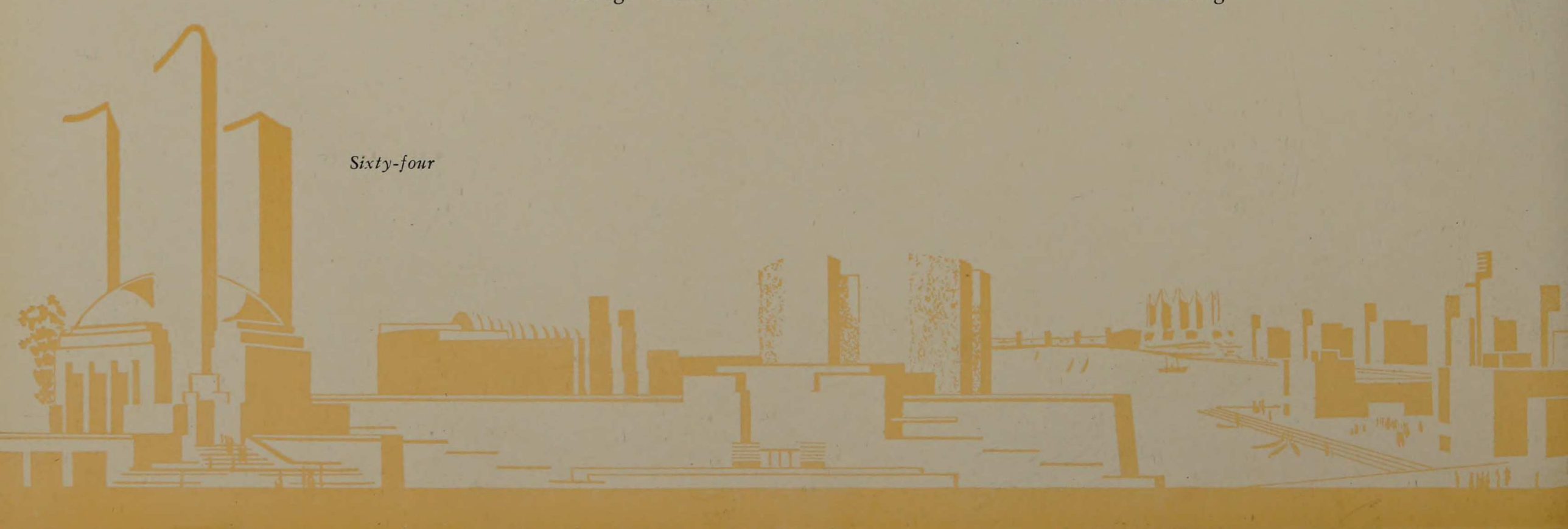
COMMENCEMENT MARSHALS

The Institute Marshals

Charles Anson Nash, *Marshal*
William White Colvert, *Assistant Marshal*
Arthur William Sear, *Assistant Marshal*

The Student Honor Marshals

Earl Gilman Beard
Willis George Buehne
Roy William Carlstrom
Charles Arthur Cunningham
Wilfred Waechter Davies
Earl William Gosswiller
Walter Edmund Gunderson
Theodore Herman Irion
James William Juvinall
George Albert Nelson
Franklin William Paine
Willard Thompson
George William Wheaton
Donald Erwin Young



THIRTY-SIXTH ANNUAL COMMENCEMENT

ADVANCED DEGREES CONFERRED

For the Degree of Master of Science in Chemical Engineering

James Jerome Doheny

For the Degree of Mechanical Engineer

Warren Edwin Hill
Henry Elmer Karow
William Martin Kauffmann
George Vaclav Miniberger
Saul Samuels

For the Degree of Civil Engineer

William Ernest Beach
James G. Cooney
Eugene Clarke Hedges
Edwin Albert Janssen
Donald E. Willard

AWARD OF HONORS

Honor Man of All Departments

Max James Schinke

Honor Man of the Department of Mechanical Engineering

Harold Rex Davis

Honor Man of the Department of Electrical Engineering

Max James Schinke

Honor Man of the Department of Civil Engineering

Richard Ernest Meagher

Honor Man of the Department of Chemical Engineering

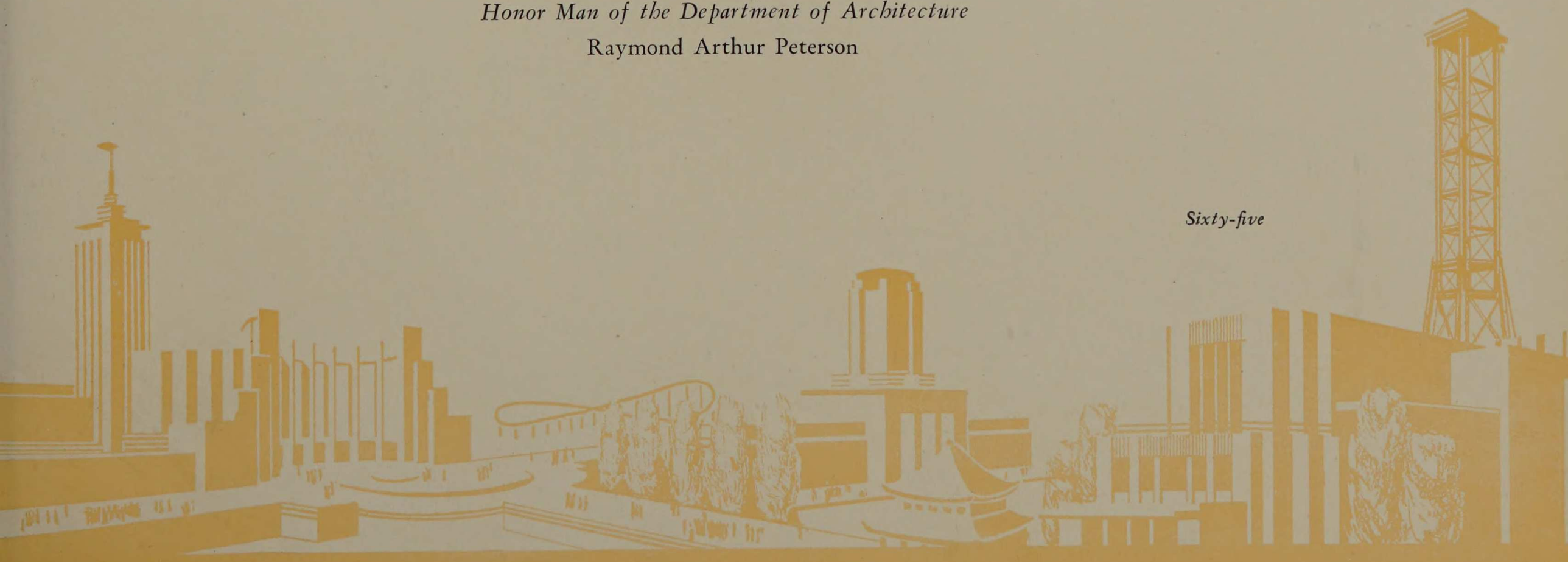
William Aaron Holland

Honor Man of the Department of Fire Protection Engineering

Walter Matthew Trauten

Honor Man of the Department of Architecture

Raymond Arthur Peterson



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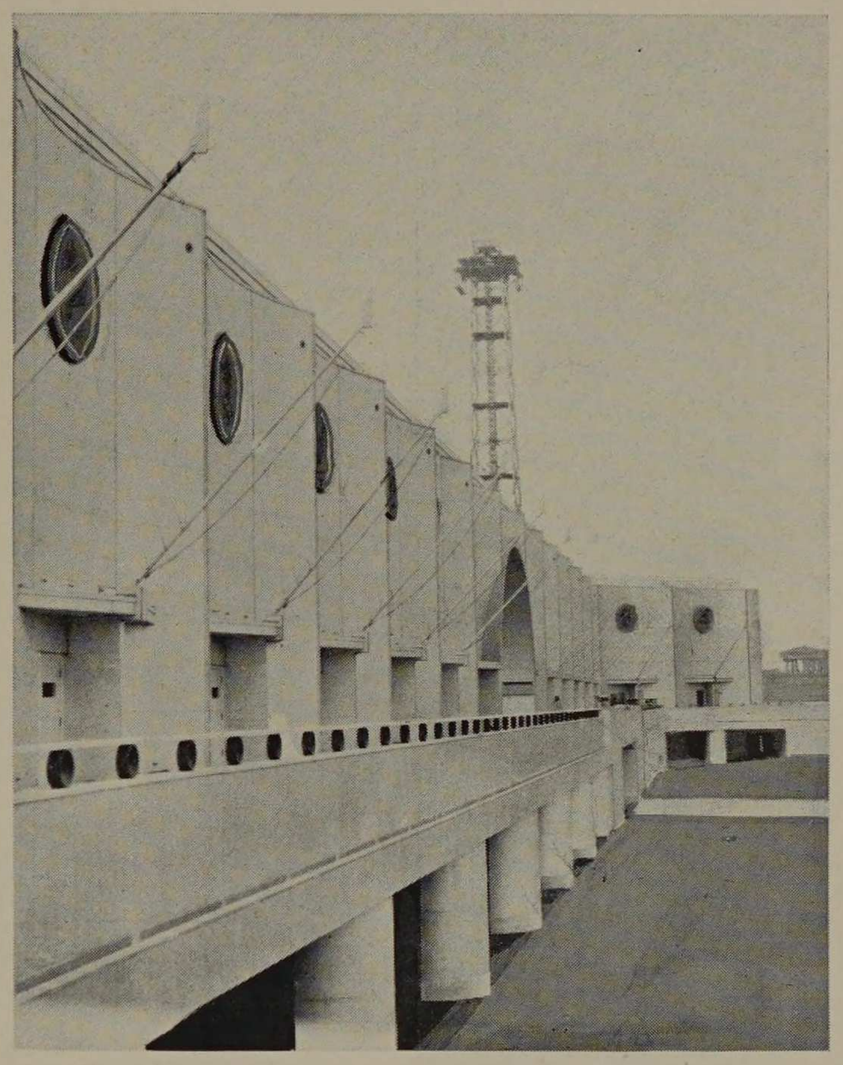
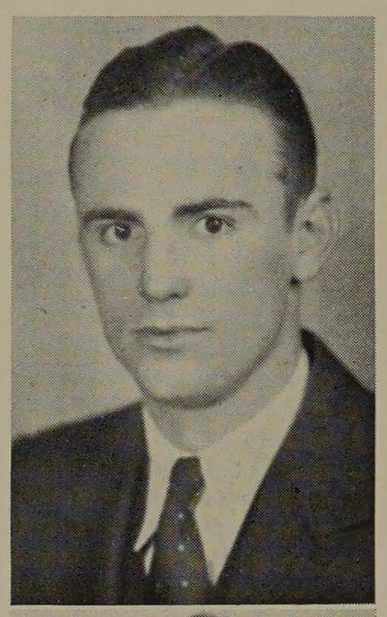
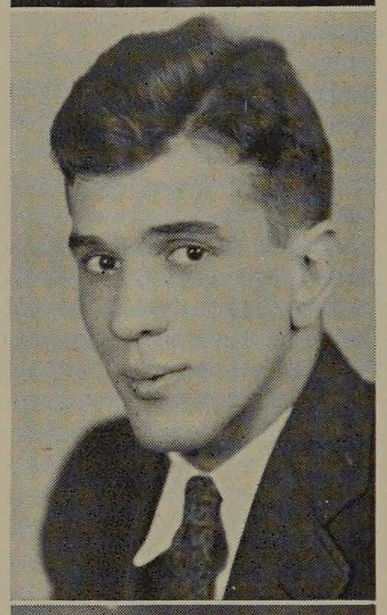
as the secondary character supports the star, so does the broad wheat field of the northwest furnish sustenance to our great nation, and so does the junior augment his store of present knowledge for use when the position of star or veteran has been attained.



JUNIORS







OFFICERS

Frank W. Koko
President

Joseph A. Bacci
Vice-President

Donald N. Chadwick
Secretary

JUNIORS

Allowed to reflect, the man who finds himself a Junior will readily appreciate the statement that the time spent in college embodies the most pleasant period of his life. Reminiscence of facts and incidents seem to be coherent with this fact. Even the distinction of the Junior Year fails to influence the genuine regret we feel at the all-together too hasty departure of time. Between the moments of compulsory "digging" and those of seemingly unbounded delight we have found a happy medium that provides us with a feeling of assured satisfaction and confidence in our chosen work.

Upon starting at the bottom of the scale as Freshmen, we resolved to some day acquire that certain note of quiet and aloof dignity possessed by those who had just passed the half-way mark in college. True, our ranks have been sadly depleted for various reasons, but, those of us who remain feel that we have stood up against storm and strife. We have accepted our scars as service stripes and our hours of toil as time well spent. When that mark was left behind, we looked among ourselves to discover that time did not permit the expending of a conscious effort by which to acquire any form, whatsoever, of self-centered poise or dignified mannerisms. The presence of any development of impressive character we may attribute to an intense application of mind and body in securing the purely basic fundamentals of engineering.

The first year is recalled for its joyful, good-natured memories of those delights of every man entering school; the Freshman Smoker, our first social event; the fraternity rushing season, during which time we were the Kings of the Institute; the class rush, in which we were victorious over the lordly Sophomores; and a multitude of less distinct reactions to freedom from high school restraint. Very early in our college careers the class established a determined stand in athletics by winning interclass titles in both baseball and basketball.

While conquering the academic forces besetting us during the Sophomore Year we continued to enrich our relative prominence in school affairs. Self-abnegation during the trying days of Physics, Calculus, and Mechanics allayed the least suspicion of our becoming self-existant or unduly conscious of our own powers. Outside activities engrossed our attention to a greater extent. Interested Sophomores were found in the Varsity athletic squads, the various publications, the social clubs and societies, and the musical organizations. We inaugurated a precedence which we hope will meet

with continued success. For the first time in the history of Armour, a joint informal dance was given by the Sophomore and Freshman Classes. The great interest given such a collaboration is indicative of the degree of success it enjoyed.

After losing the baseball championship to the Senior Class in a hard fought battle, we succeeded in avenging ourselves by winning the basketball title from them. Early in the second year the realization came upon us that a trained engineer knows not only the rudiments of engineering along with their applications, but that his visionary ability permits him to appreciate the cultural, purely non-engineering side of the world's business.

The fascination of pure engineering work in our respective departments attracted us on entrance to the Junior Year. This renewed interest was not only scholastic, but embraced these interests to which we found ourselves best fitted. Each of us was hurled into our own specific work with a desire to branch out and take those subjects which were uppermost in our hearts. Advantage was taken by individual members of the opportunities presented by the Armour Tech News, the Engineer, and the Cycle. The noteworthy improvement in the standing of our musical organizations was further increased by the support of third year men. The loss of the third consecutive basketball championship was due to the fact that the Varsity was made up of Juniors, who were, as a consequence, ineligible for inter-class athletics. The desire for closer contact with practicing engineers in specialized and allied industrial fields was reflected by the support given to the engineering societies by class members.

The color and glamour of the year so recently completed outline to us distinctly the mental picture of a most successful season. Starting with entrance day there follows a definite sequence of steps comprising this picture. First, the class election, with its attendant rivalry and political maneuvering. Second, the appreciation of the fact that as Juniors we were entitled to privileges and a certain lack of faculty supervision we had always known before. This merely added to our zest in fabricating a more united, co-operative atmosphere in which to carry on our work. With a greater amount of time to ourselves, we widened and diversified our interests to include every branch of curricular and extra-curricular activity.

The Junior Informal held in January bolstered still higher the capacity of the class for purely social attainment.



OFFICERS

J. Arthur Larsen
Treasurer

Raymond J. Pflum
Social Chairman

James F. Manly
Sargeant-at-Arms



Hanes, Polko, Dahlgren, Klima, Lukey, Traver, Schneebalg, Headen, Rupprecht, Kolve, Johnson
Hoyer, La Force, Ronowski, Lewis, Brenner, Hillman, Kreisman, Hensel, Huster, V. Omiecinski
Finlay, O'Hara, Pinkus, Anders, McDonough, Hanson, Nelson, McDonald, Stahl, Ferrara, Manly

The extent to which the Junior Prom emitted collegiate atmosphere proved of additional value in climaxing the pleasure of that traditional period, Junior Week. The completion of the activities of Junior Week saw us in the enviable position of having added still further to the prestige of the men of '34.

Instead of following in the footsteps of those who had preceeded us and electing one man to hold the office of Junior Marshall during Junior Week, we threw tradition to the winds and elected three very able men to become co-marshals. The election was one of the most heated ever held at the Institute with the supporters of the three men continually throwing the vote into a dead-lock.

An examination of the various component elements of our existence as a class readily reveals the underlying reasons for such a suc-



Lodeski, Spangler, Storey, Pflum, Nelson, Malloy, Kuehn, Bacci, Smith
D'Alba, Nuetzel, Cramer, Renstrom, Machinis, Cosme, Marcus, Korink, Meacham
Laestadius, Pilip, Lippincott, Simpson, Schmidt, Gregerson, Feldman, Schreiner, Kostenko
Quinnell, Kaplan, Rummel, Koko, Castanes, Davidson, Fleissner, Colburn, Callen



Clarkson, Egloff, Alberti, Woodsmall, Morrissey, Rimsha, Chadwick, Huetten, Wood, Gilmore
Leo, Lamberg, Reichel, Krause, Murphy, Avery, Gosswiller, Flour, Paslawski
Mayer, Larson, Tamney, Raschke, Lehmann, Reed, Knudson, Thompson, Ader, Graham

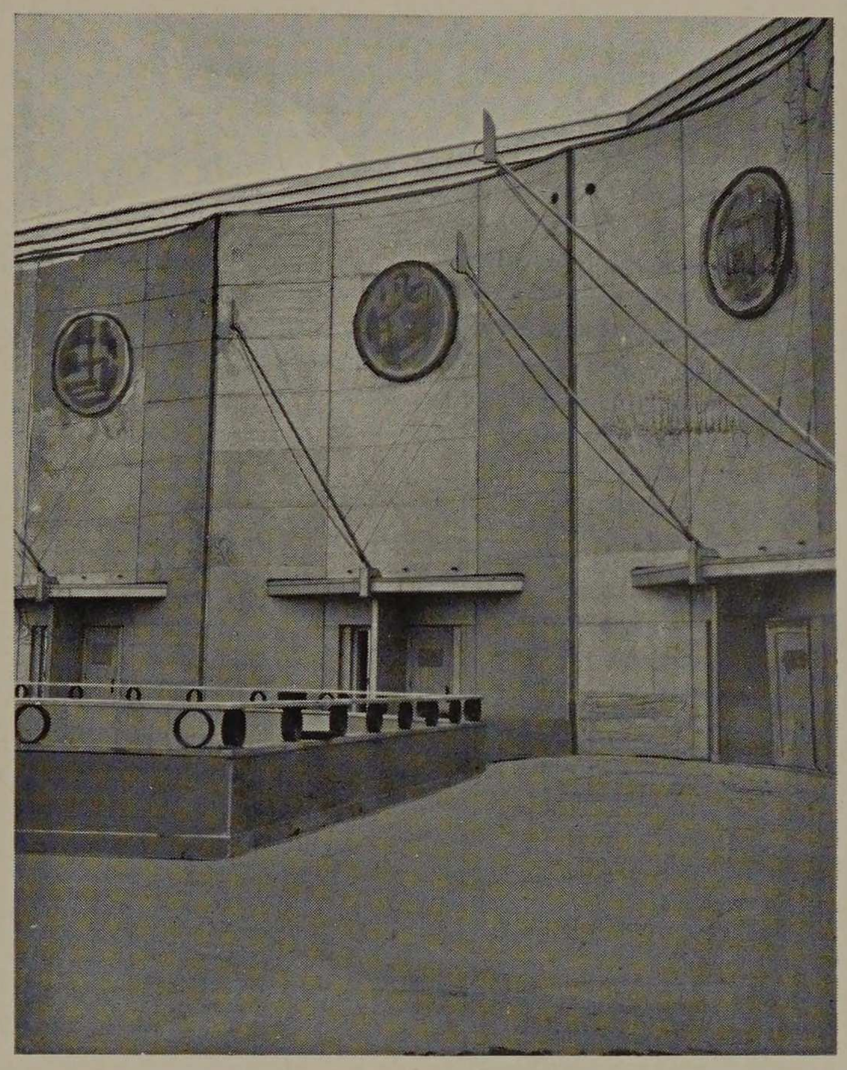
cessful organization. It is seen that the amiable fellowship, not only departmental, but inter-departmental as well, distinguishes those men who may now be found in imposing numbers on any representative body of the school. The Varsity teams of practically all major and minor sports are composed of Juniors, while school and fraternity politics are cleverly superintended by those of the Junior Class.

The reputation for determined action established during our Freshman Year has led to a most formidable showing for efficiency in organization. The intensified co-operativeness during these three years has firmly implanted in our minds the belief that the Class as a group may hope for the ultimate of material success. And with this thought in mind we anticipate an unprecedented usefulness among those of our profession in the future.

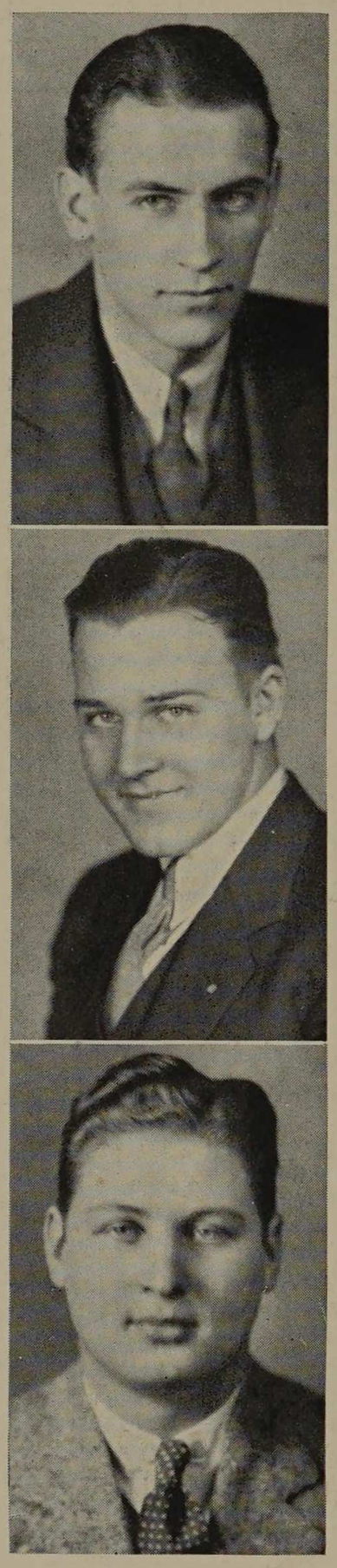


Williams, Gundersen, Swanson, Cohrs, Bewersdorf, Burson, McFarland, Morelli, Robinette
Schrage, Brockmann, McBrady, Bachner, Omiecinski, Lillis, Noerenberg, Cunningham
Duphorne, Peavey, Myers, Freitag, Mills, Anderson, Shaw, Krol, Lukas, Peterson
Davison, Kane, Sachs, Jacobson, Dobson, Zukowski, Gibson, Kuffel

as the products of the oil fields of texas and oklahoma were for centuries made ready for their utility and enjoyment in our present day, so the stage hand first prepares and erects the properties upon the stage, and so the sophomore prepares himself with those things which will aid him in the enactment of the play of life.



SOPHOMORES



OFFICERS

Richard D. Armsbary
President

Russell J. Lang
Vice-President

Bernard B. Abrams
Secretary

SOPHOMORES

Once again we have gained the right to pause and rest on our ladder of determination, as we climb to the goal of higher education and useful knowledge. As we relax before completing the second half of our strenuous climb, we turn and look downward to view our successes and achievements. With the knowledge that we have passed the most hazardous portion, we are looking forward to that part of college life that is considered the reward for countless nights of labor and days of recitation. We are about to turn to the specialized work which comes with the latter half of an engineering education—the work for which each of us feels we are especially fitted.

How different it was to return to school last fall as Sophomores, in comparison to our entrance as Freshmen. A new feeling of security and accomplishment offset the old feeling of inferiority, wonder and strangeness. Although the work of the second year was indeed much more difficult than that of the Freshman year, somehow, through habits of correct study, determination, and clear thinking, it was much more easily overcome. Working through the most dreaded year of college, the second, depleted our ranks to quite a degree, but those of us who remain are soon to taste the reward for hours of toil. Now, although the path was hard, by fighting through the first two years, we are entitled to the more interesting portion of college life which comes with the final two years. We will soon branch out into the studies we most desire. Along with this branching will come a natural segregation which will divide the Class into sections according to courses. However, we know that the bonds formed during our first two years at Armour will hold no matter how strong the group rivalry becomes.

The sudden change from high school to college seemed, upon our entrance to the Institute, to keep us bewildered for a few months. However, we soon became used to our new form of study and began to progress "under full steam." As Freshmen, our instructors seemed an indifferent and unsympathetic group of intellects who appeared to gloat over our inability to grapple with their seemingly impossible assignments, but as Sophomores, we suddenly realized they were intensely human and understanding companions, who were anxious to simplify our problems regardless of the nature. The result is that we now realize how much easier our Freshman year could have been had we accepted them in an unprejudiced manner. With the trying days of Physics,

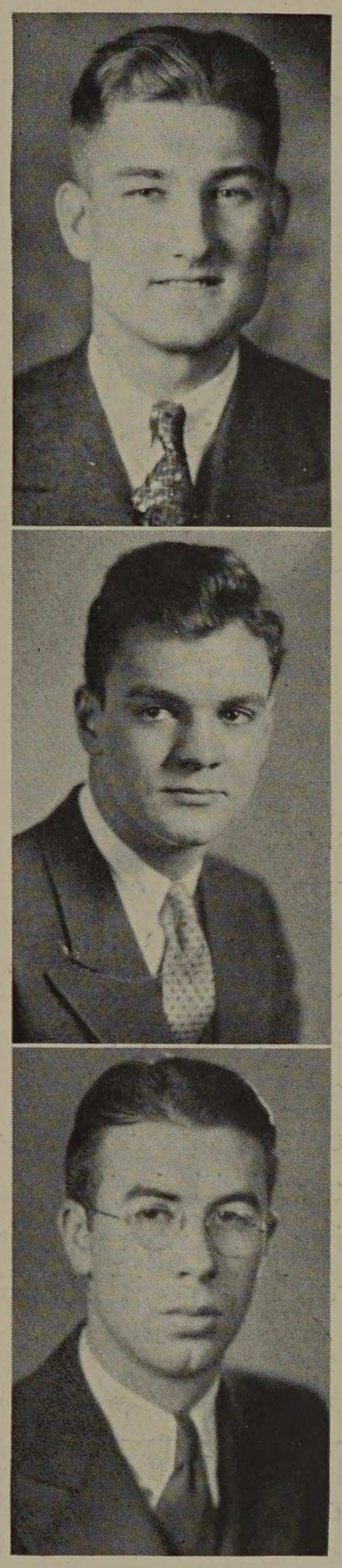
Mechanics, and Calculus behind us, we can look forward to an interesting and helpful two years of work.

One of the finest assets of the Sophomore year was the solidifying, for years to come, of the friendships formed during the first year. During the Freshman year, with the deluge of unfamiliar and difficult work it was hard to find time for companionship and social activities; but with the second year we gradually discovered that two heads are better than one, and the result was the forming of bonds of friendship which we hold above everything we may have accomplished heretofore in life. We hope we will keep these friendships in business as well as in school.

Although many members of our Class were individual stars as Freshmen, and more as Sophomores, on the Varsity squads, we really showed our prowess as a whole in the inter-class activities. As Freshmen, we proved true to form by easily winning the Class Rush, although unable to take any of the sporting championships. However, as Sophomores, we won the interclass basketball championship from the highly touted Junior team which had won for the two previous years. In inter-class baseball competition, we lost to the Freshmen, although they met and conquered a fighting Sophomore machine which never gave up until the last out was made. In our second year we were looked upon from the start as under-dogs, but we were scarcely beaten by the Freshmen in the Class Rush.

It is generally known that an engineering curriculum does not permit the social life and activities that other courses do, yet, in spite of this, it is essential, in order to obtain a well-rounded education, to take part in some extra-curricular activity—no matter how small the part. Following this plan, representatives may be found in all of the musical and literary organizations. We are also well represented on all minor and major athletic squads and can boast of several men who won their letters when only Freshmen.

As Yearlings, our social activities started with the Freshman Handshake, and was followed shortly by a smoker at the new Victor Lawson Y. M. C. A. The gatherings were well attended by students and professors. The highlight of the year was that event to which all first year men look forward, the Freshman dance, at which we inaugurated a new idea which we hope will continue with the same degree of success with which we accomplished it. The idea was to combine the Freshman and the Sopho-



OFFICERS

George W. Wheaton
Treasurer

John J. Ahern
Social Chairman

William Trudelle
Sargeant-at-Arms



Faro, Sobel, Jonuska, Kvapil, Dushek, Beckman, Skjordahl, Balsewick, Humiston, Armsbury, McKibben
Chiappe, Allen, Samuels, Feinberg, Esbensen, Shapiro, Palmer, Buchhauser, Smith, Willis, Hoffman
Lieberman, Grossman, Addis, Arenson, Pechota, Rosen, Granger, Forsyth, Smerz, Kohn

more dances and run one dance under the supervision of both Classes. This was the first time in the history of Armour that a dance of this sort had been held, and although both classes were traditional rivals, all were comrades on that night. Our Sophomore dance was even more of a success than that held during our Freshman year, proving that we are becoming more acquainted with the social side of life—an acquaintance which is essential to all men.

Today, at the completion of our second year, having been tested and tried, we find our ranks depleted but hopeful. Those who were found wanting in the requirements of an engineer have left, while we who find ourselves inclined toward engineering look toward the future with a high degree of optimism. We feel that we are the picked few—the few who had the ability and degree



Edgren, Stocking, Heller, Trudelle, Ahern, Bristol, Searl, Hahn, O'Connor, Zibble
Behmer, Rigone, Troemper, Kettlestrings, Abrams, Duerrstein, Wittekindt, Jones, Lester, Freilinger
Grakavac, Jonuska, Leonas, Thomsen, Cannon, Kerlin, Hedin, Landis, Morrison, Schnachel
Bradac, Skach, Bolton, Hough, Zimmerman, Talaber, Fenske, Vendley, Maurer, Patterson



Zimmerman, Mayerowicz, Messinger, Ahern, Glos, Baumel, Weber, Maci, Wertzler, Uzunaris, White
Englander, De Boo, Biegler, Marow, McCarty, Wheaton, Van Dyke, Higgins, Phillips, Mezera, Felt
Petraitis, Hanson, Petersen, Galbraith, Cullen, Bard, Stehno, Friede, Wolf, Nakayama, Bisbee, Hedlund

of genius which is always necessary in any profession.

We came back last fall with the warning of those who preceeded us still ringing clear in our ears—the warning that our second year at Armour would be the hardest year we shall have ever spent in educating ourselves for the place which is waiting for us in the world. However, we found that heeding the motto "apply yourself properly" proved to be the difference between drudgery and pleasure.

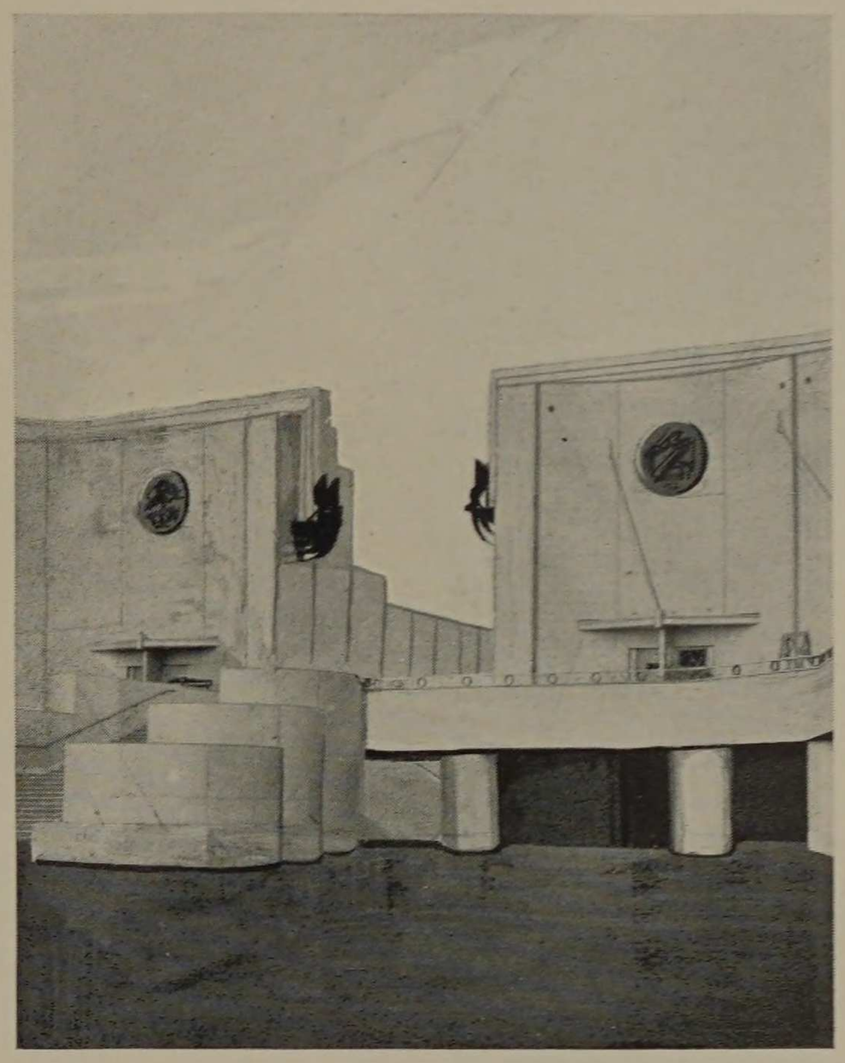
How like a football game is this problem of education. Each year is a down in that final drive for the winning score which will make a success of our life. For the members of the Class of '35, two downs are already gone, with two more to go toward the goal—graduation.



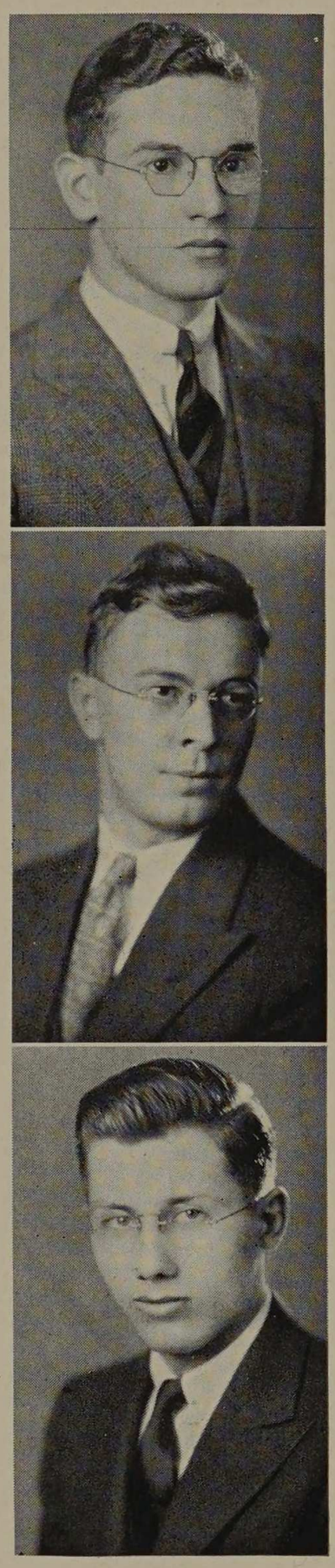
Kolber, Shirley, May, Birdsong, Lauchiskis, Wall, Potter, Robert Jones, Henning
Aravosis, Miller, Schavilje, Bernstein, Hazleton, Dalton, Adamec, Youngkrantz, Riesz, Schmidt
Szantay, Weiland, Goldberg, Work, Healy, Hoot, Thompson, Kobzina, Lyford
Henoch, Babcock, Berger, Lang, Willis, Adair, Smith, Levy, Levin, Stanovich

■

a territory may eternally remain such, or it may in time become independent. in the same manner an "extra" may never rise above his insignificant position, but, if worthy, will inevitably come forth. a freshman, through diligent effort and application, has the opportunity of advancing through the various stages to the bright limelight.



FRESHMAN



OFFICERS

George W. Ormsby
President

Don C. Harris
Vice-President

Frederick L. Smith
Secretary

FRESHMEN

Launched into a new world, a world of science and hard work, were two hundred and eighty Freshmen whose records had survived the elimination processes applied by a scrutinizing faculty. Knowing that much was expected of us by parents and friends, we, the wearers of the green, having been duly registered and having obediently parted with the proper entrance fees, approached those knights of the square table who sat in the school library carefully outlining courses of study.

We then began the usual investigation of the Armour campus with its numerous buildings containing class-rooms, shops, laboratories and drafting rooms. These were features which many of us had never seen before our advent to the Institute. Here, in these class-rooms, we were to be introduced to the extensive knowledge which is an important requisite to the successful engineer. In its laboratories, we were to develop that mind which loves to solve the unknown, to find why and how certain physical and chemical results might be effected. Then, with this knowledge well in hand, we were to learn to apply it in a practical way in an effort to train ourselves for the needs of industry, for which we are to be the tools for further progress of humanity.

Our first formal gathering was held at the Freshman assembly, at which meeting we became familiar with the rules and traditions of Armour. Those precedents established by Armour men for forty years before us were unfolded, and the fact was driven home that Armour men can, and do, develop a true college spirit and loyalty. Thus, we learned that we were to have another side to our well-rounded education, one which would consist of participation in some of the numerous extra-curricular activities offered by the Institute.

Our next gathering as a body was at the Freshman Handshake, where we new men not only became better acquainted with our fellow classmates, but also with the upper classmen and many of the members of the faculty. It was here we learned that the higher students did not consider us as under-dogs, but, on the contrary, they showed us they considered every Armour student as being on the same level, all studying with but one purpose in mind, to become useful engineers. We also discovered that the Professors were not persons to whom we had to look in awe and wonder, but were human and understanding, and were here only to help us in any way we might desire.

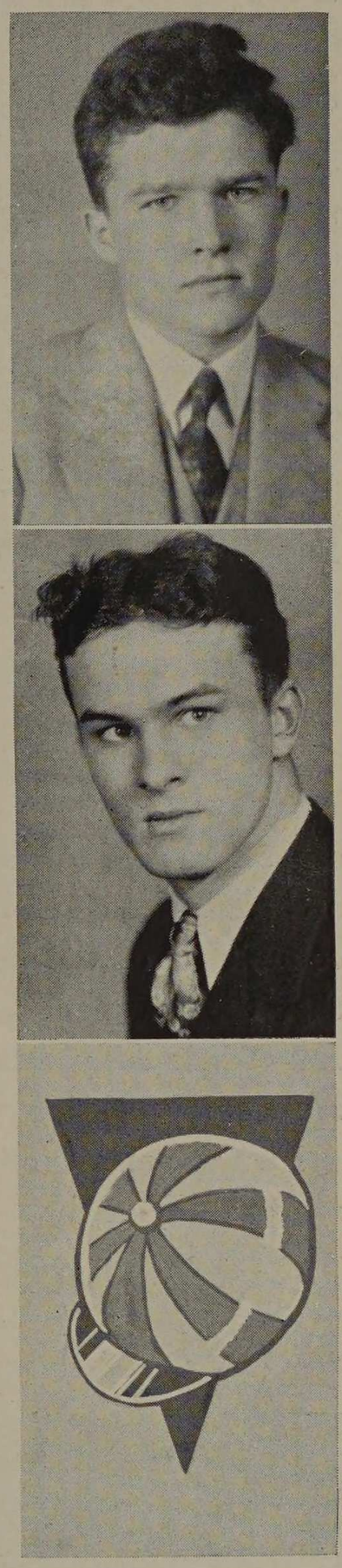
1936

No sooner had we become acquainted with the upper classmen, than we found ourselves suddenly lifted from a position of obscurity to that of the most popular group on the campus. The annual Fraternal Rushing Season swept in with its numerous invitations to participate in those social affairs offered by the various organizations. For a short time, the studies were given a rear seat, sleep became a rarity, and the life of the Freshmen was both enjoyable and arduous as they were rushed at the different Houses.

When the usual turn of events at the Institute had reached normal again, attention was immediately turned to politics. An arrangement for the election of the various officers was reached at the first meeting. Factions immediately sprang up among the different departments, each department nominating its own ticket. The closeness of the race, and the manner in which the election was run, has shown that quite a few worthy politicians will arise from the Class of '36.

Inter-class athletics came to the fore early in the season when the baseball supremacy was decided. Contrary to predictions, the Freshmen came through with flying colors, easily defeating the Sophomores in our first encounter. The Seniors were able to hold us to a deadlock in the final tilt, but in the play-off game, the Freshmen staged a late rally to take the inter-class championship. In basketball we were not quite as successful. Although we put up a good fight, we were defeated by the Sophomore team which eventually won the championship. A few stellar players were discovered in this encounter who have since earned places on the regular Armour quintet. The results of the interclass track meet show the Freshmen at the wrong end of the table of standings. That these victories of the second year men are only whetting the appetites of the Freshmen for some satisfying revenge will probably be proved by the overwhelming victory which we hope to attain on Ogden Field in that annual skirmish, the Class Rush.

Early in the spring of the year, our thoughts were changed from those of an engineer to those more along the trend of the social lion. The time had come for the annual Freshman informal. Following in the footsteps of the class just ahead, we decided to give a joint Freshman-Sophomore dance. All rivalry was forgotten for the moment, and the finest of co-operation was effected so that the dance might be one of the most enjoyable ever held by an



OFFICERS

George Browning, Jr.
Treasurer

I. Murrey Hughes
Social Chairman



Styrsky, Clark, Smith, Gray, Knabe, Nystrom, Siegel, Lane, Mehaffey
Penn, Thurson, Johnson, Horn, Riesz, Shewchuk, McGrath, Wichlacz, Waldmann
Galandak, Boxer, Harris, Knittel, Greenman, Waichunas, Stenson, Caruso, Laskiewicz, McAllister
Smetana, Hefner, Hughes, Ford, W. Fleig, Hansel, Peterson, Koch, Denny, Gustafson

organization of the Institute. With a splendid orchestra and a spacious ballroom, the social committees of the two classes did their best that the lower classmen might break away from their daily tasks to participate in the more enjoyable side of life.

In the extra-curricular activities at Armour, many of the Class of '36 can be found who are on the road to success in their various endeavors. The publications are already receiving the services of those Freshmen who are aiming high, hoping to train themselves for the responsibilities of those editorial positions which are recognized as rewards for hard work and an opportunity for further development. With quite a number of the Class musically inclined, the various musical organizations have found their ranks



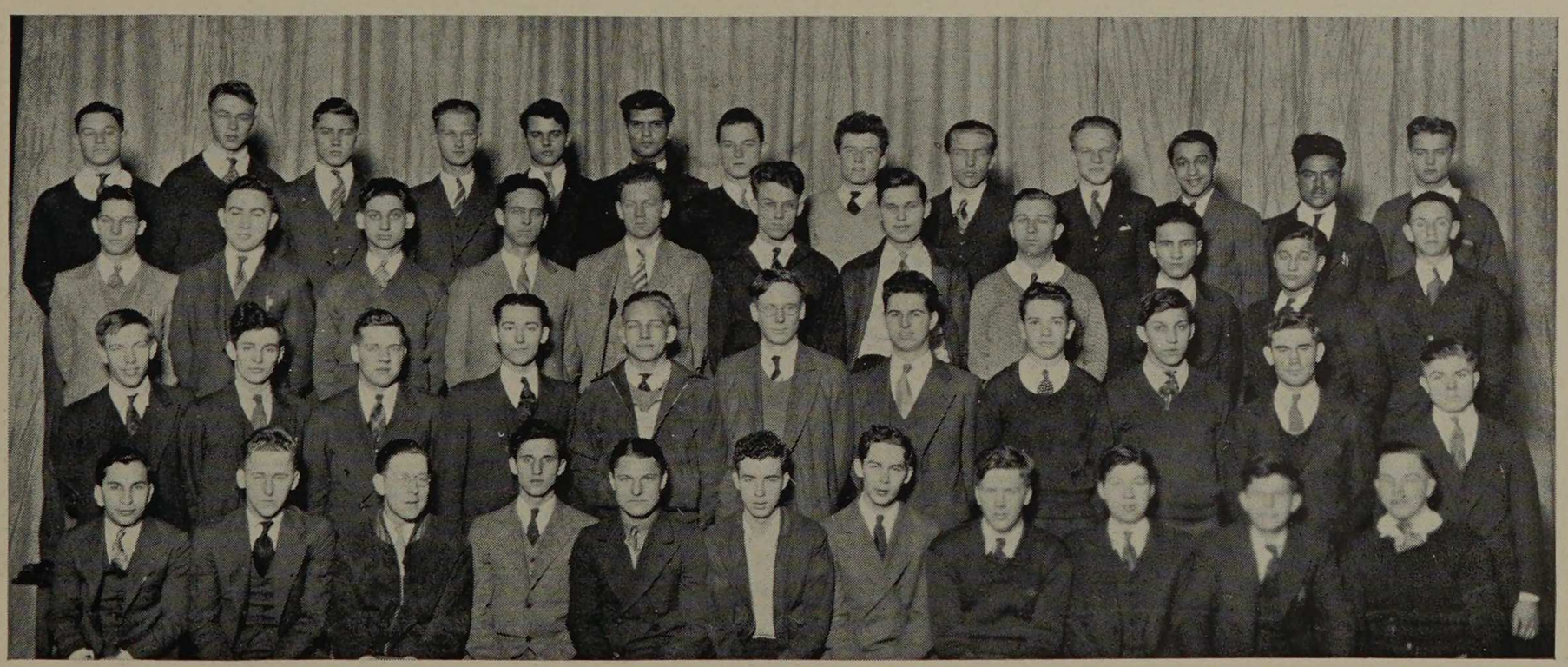
Hickey, Houtsma, Altermatt, Wadman, Johnson, May, Brown, Scott, Zalewski, Cox, Gold
Stevens, Olufsen, Davis, Andler, Kraus, Warner, Collins, Riley, Breh, Berquist, Dougan
Thiltges, Dunn, Smith, Kraemer, Wasylciw, Knaus, Haeger, Hamlin, Frank, Pantone, Hella
Du Sell, Cotterman, Larson, Ormsby, Mansfield, Niec, Kropf, Leschinski, Marslek, Malinowski, Quayle, Stutz
Doudera, Kuh, Zwissler, Rice, Ruppert, Alt, Coleman, Mieczkowski, Perrill, Neal, Maack, Tallafuss



Bowie, Luce, Nelson, Hagenauer, Gilkison, Nachman, Schreiber, Velek, Cooper
Schairer, Rothschild, Wieting, Kuk, Hattley, Schreiber, Priestley, Kaplan, Swartz
Cole, Gernstrom, Regnery, Ready, Auler, Ikenn, Vice-Naess, Meyer

bolstered by those who find pleasure in following the school of Apollo. As shown by the attainments in the interclass competition, the class has many who have shown the mettle necessary for berths on the baseball, basketball, and track teams. Boxing, swimming, and tennis, are also being provided candidates from the group of first year men.

In reviewing the accomplishments which the Freshmen have already made, there need be little fear that the Class of '36 will fail to contribute its share to the history of Armour. In the three years to come this prediction will probably be sustained, and the Class will graduate with as much glory and satisfaction of achievement as any that has gone before.

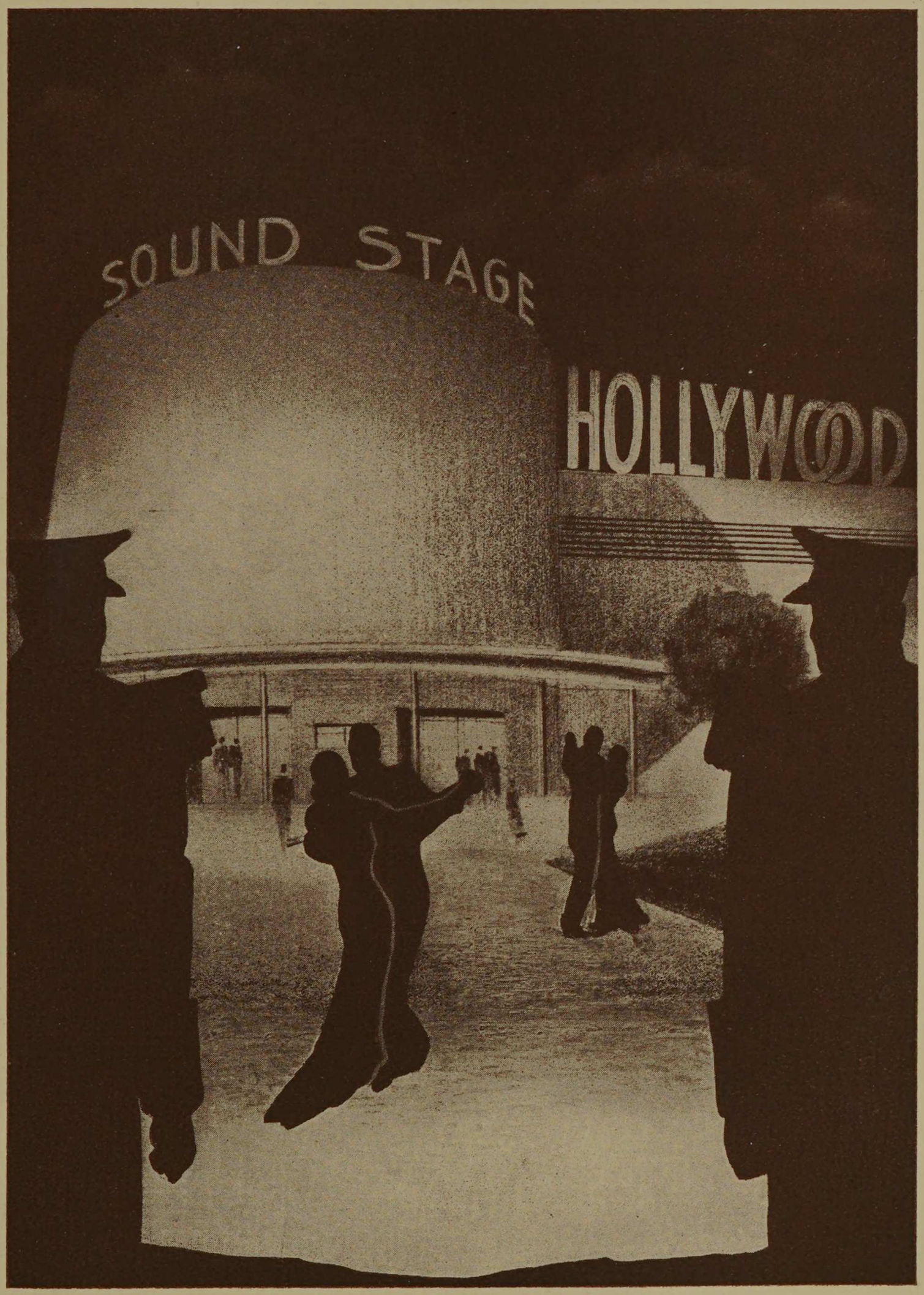


Dworsky, Doede, Schmidt, Shostak, Dollenmaier, Kayser, Sumner, Browning, Shunt, Parsons, Papas, Ramirez, Boberg
Strazz, Rootberg, Schlick, Lane, Bottelsen, Timberlake, Lischer, Kreft, Lisciani, Valessares, Bothwell
Bill, D. Fleig, Flagge, Ramotowski, Stone, Chapman, Rehling, Majercik, Concolino, Graham, Zmeskal
Simons, Land, Schmidt, Malovec, Mozoleski, Fogle, Savage, Phillips, Galler, Penzel, Wolniak

the world hub of dramatic activity, hollywood, has built upon the fair's lake front stage, a typical actors' colony where will be shown the evolution of its art.

ACTIVITIES

were it not for the activity of a presentation, it should be ineffective. activity need not necessarily demand fast music to which a ballet dances, but neither will it tolerate dullness. the spice of life is the variety of it. one environment and form of pleasure soon would become monotonous and uninteresting; one style of play would soon lose its attraction; but in living our lives, we take part in the social play, the wild west thriller, the battling hero tale, the historical drama, and unremembered numbers of amusing, humorous, and tragic roles.

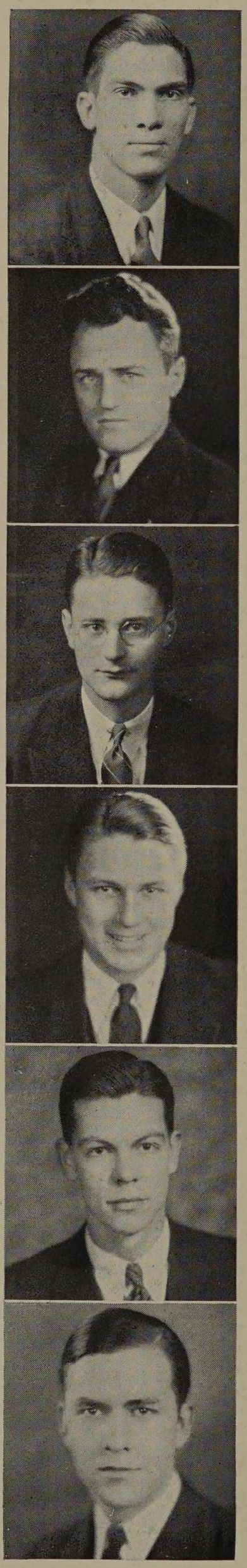

SOUND STAGE
HOLLYWOOD

■

when or wherever was civilization without gaiety.
dancing and laughter are companions to a young heart.



SOCIAL



COMMITTEE

SENIOR INFORMAL

SENIOR SOCIAL COMMITTEE

Wilfred W. Davies
Chairman
Harold J. Bannasch
William G. Booth
Roy W. Carlstrom
Irving C. Johnson
Edwin C. Kenner

The annual Senior Informal marked the beginning of Armour's 1932-33 social season. It was held in the Cameo Room of the Morrison Hotel, on the evening of Friday, December second. This was the last social function sponsored by the class of '33, who may feel sure that it was one of the finest dances of the year. Colorful indirect lighting gave the ballroom a soft glow which created the proper atmosphere for the pleasing rythm of the music which was furnished by Maurie Sherman and his justly popular orchestra.

Everyone entered into the spirit of the affair and, missing none of the pleasures of the evening, helped make the dance a grand success. For those not wishing to dance, there was a lounge and balcony where they could sit and talk and listen to the music. Each couple received a beautiful program with which to commemorate the evening. The programs very effectively displayed the school colors of black, yellow and red, and consisted of a gold "A" monogram on a red leather cover with a black leather inner cover.

The crowd of approximately two hundred couples was chaperoned by professors Grafton, Heald, Huntley, and Spears and their wives, who enjoyed a pleasant evening of dancing.



Senior Informal at the Morrison Hotel

JUNIOR INFORMAL

JUNIOR SOCIAL COMMITTEE

Raymond J. Pflum
Chairman
Roy Ekroth
George T. Korink
No picture
Arthur F. La Force
Stephen M. Lillis
Berthil H. Peterson
George M. Reed

The first important social function of the Junior Class, that busiest of classes, was the annual informal dance. This has always been one of the outstanding features of the school year, and this one was no exception. It was held Friday evening, January 20, in the main ballroom of the Illinois Women's Athletic Club. The room was tastefully illuminated with blue and yellow lighting effects which seemed to blend harmoniously with the enchanting music of Doug Peppard and his Northwestern Troubadours.

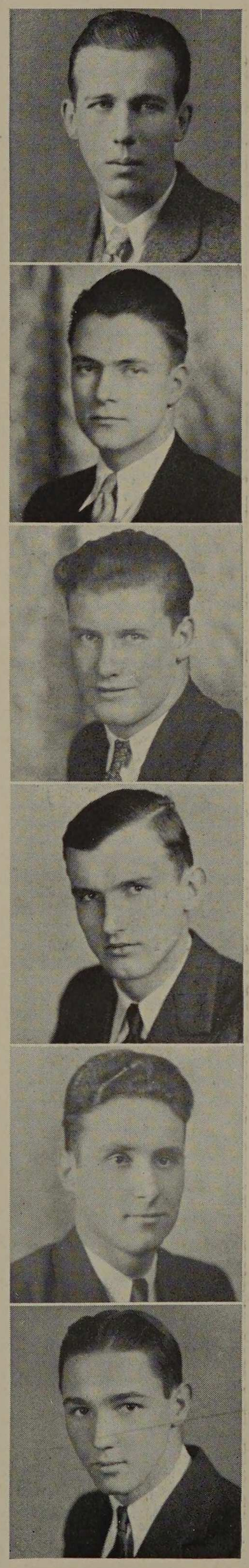
Contrary to custom at Armour hops, the dancing started as soon as the orchestra began to play at the scheduled hour of 9:30, and continued until the final note about 1:30. The placing of tables about the dance floor eliminated the ever stiff line of chairs circling the room as is found at many school dances.

The programs were of a distinctly modern type bringing the school tricolors into blazing prominence. The cover was of white leather bearing the school monogram in gold, while the inner pages were of red paper bearing the printed program in black.

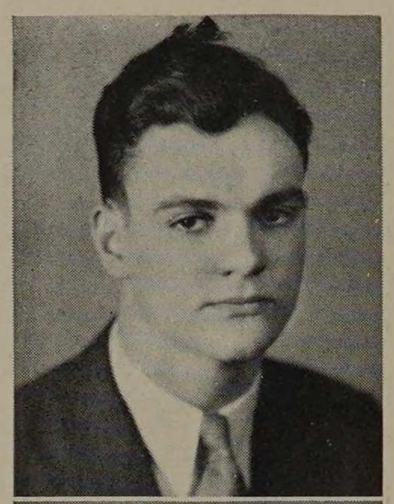
The chaperons for the evening were Professors Ensz, Heald, Grafton, Kuehn, and Weissmann with their wives, all entering into the spirit of the occasion and serving very admirably in their official capacity.



Junior Informal at the Illinois Women's Athletic Club

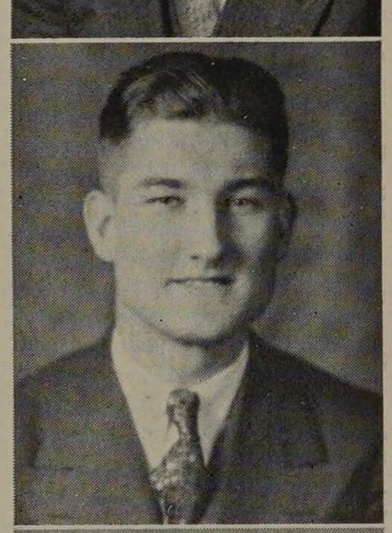


COMMITTEE











FRESHMAN-SOPHOMORE INFORMAL
1931-1932

Sophomore Social Committee

John J. Ahern
Chairman
William B. Ahern
Earl R. Fenske
George W. Wheaton
Roy H. Wittekindt

On Friday evening, April 5, 1932, the Gold Room of the Congress Hotel became the scene of the first Freshman-Sophomore dance. Never before in the history of Armour had any two classes combined their resources in the presentation of a dance. The two social committees under the direction of Headen, the Sophomore chairman, and Wheaton the Freshman chairman, put forth every effort in an attempt to offer a dance finer in every respect than were its predecessors. Due to the central location and beauty of the ballroom, it was conceded to be as nearly ideal as could be acquired. The dance floor was perfect, but for those weary of dancing there were spacious lounges and a balcony for retreat. The music for the event, furnished by Jack Chapman and his peppy ten piece orchestra, was, as always, greatly enjoyed by the dancers. The covers of the programs were black, decorated with a gold Armour seal.

The chaperones for the evening were Professor and Mrs. Mangold, Professor and Mrs. Heald, and Professor and Mrs. Grafton. As the last strains of the music died out and all turned homeward, there were sighs of regret over leaving one of the most successful and undoubtedly the largest social event of the year.



Freshman-Sophomore Informal—1932

FRESHMAN-SOPHOMORE INFORMAL
1932-1933

FRESHMAN SOCIAL COMMITTEE

I. Murrey Hughes
Chairman
William H. Fogle
Charles R. Ford
Herbert J. Niemann
Raymond C. Peterson

The scene of the second Armour Freshman-Sophomore dance was the ballroom of the Medinah Athletic Club. The date was Friday, March 31. The accommodations offered by Medinah are especially commodious, with a spacious lounge, augmented by a balcony encircling three-fourths of the hall, and a seemingly perfect dance floor. These, coupled with the varied and colored lighting effects created a most captivating setting for the sweet harmony produced by Jack Chapman and his orchestra.

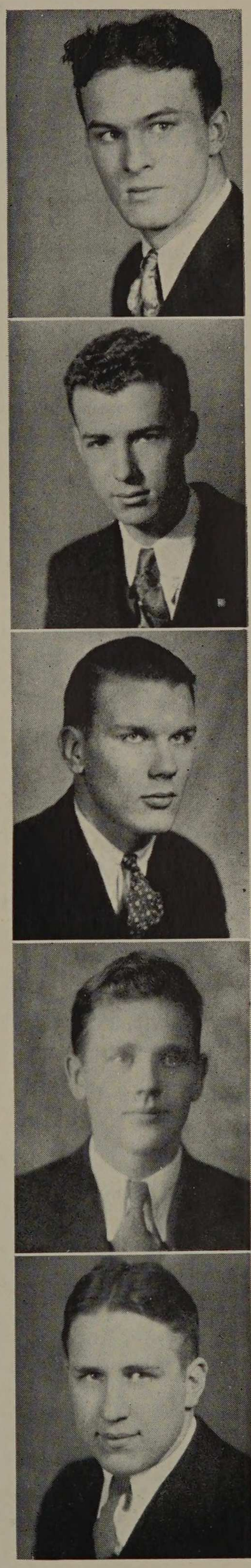
The bids and programs for the dance were exceptionally attractive; the bids being white mother of pearl with modernistic black lettering, and the programs being of black celluloid covers with a white inner facing. The whole was bound together with small rings and set off by a red silk cord and tassel.

The sponsors for the evening were Dr. and Mrs. Hotchkiss, Dr. and Miss Tibbals, Professor and Mrs. Bibb, Professor and Mrs. Grafton, and Professor and Mrs. Hendricks, who all seemed to enjoy the festivities as much as the students.

The Freshman-Sophomore Dance was truly a glorious ball. Because of the success of the 1932 and 1933 double dances, this plan of these two classes seems destined to become the usual rather than the exceptional practice.



Freshman-Sophomore Informal—1933



COMMITTEE



Junior Prom

May Thirteenth 1932

INTERHONORARY BANQUET

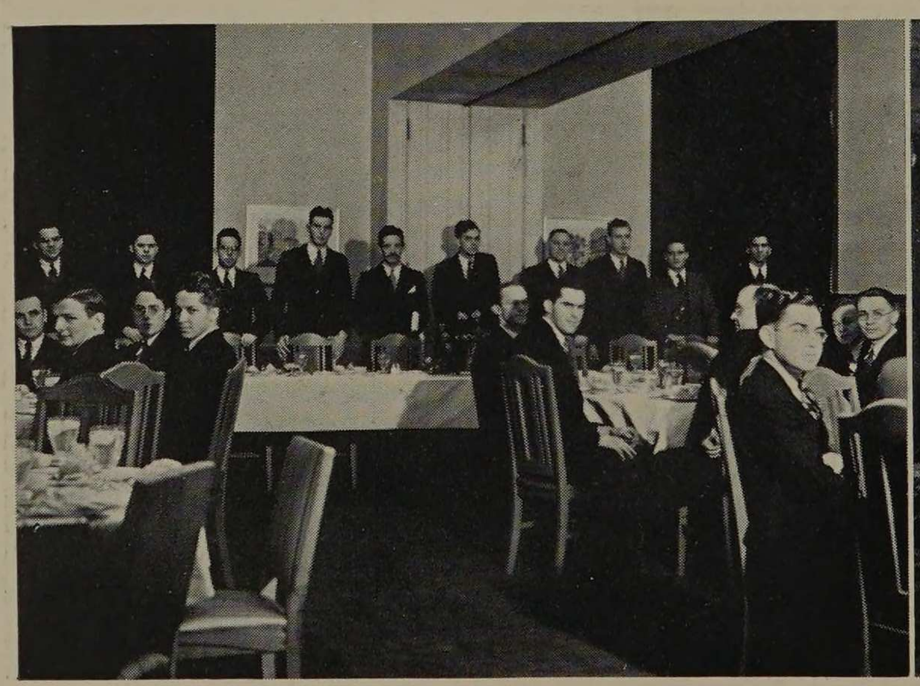
The annual Inter-Honorary Banquet was held Friday, December 16, at the Women's Club located on Eleventh Street between Michigan and Wabash. Practically all the actives and pledges of Tau Beta Pi, the departmental fraternities, Sphinx and Pi Nu Epsilon were present for a very enjoyable evening. The pledges of all the represented organizations were introduced to the assemblage.

PUBLICATIONS SMOKER

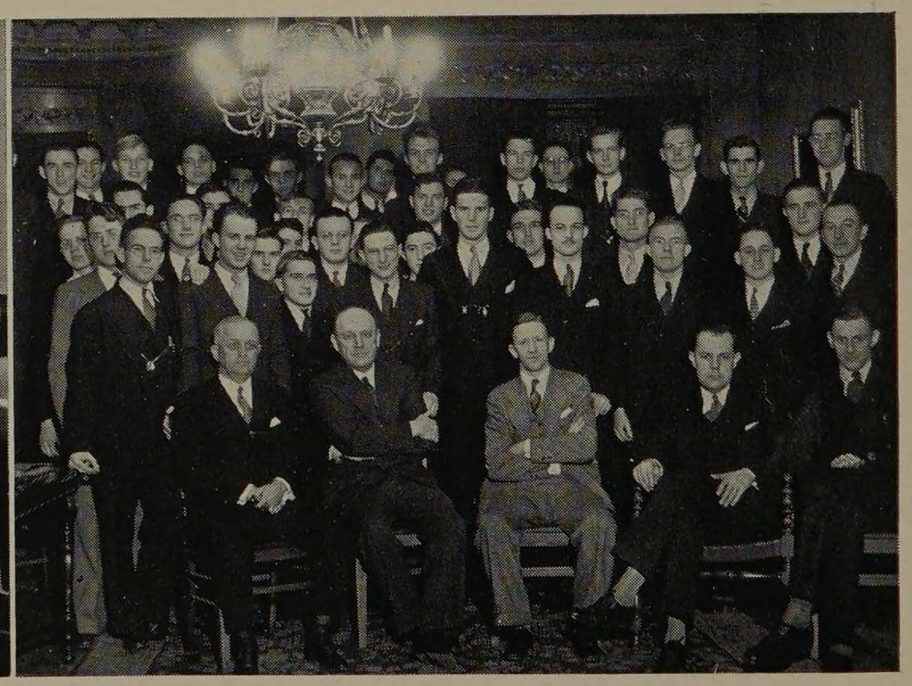
Thursday evening, November seventeenth, the Theta Xi house was the scene of the first Board of Publications Smoker. The staffs of the Cycle, Engineer, and News were well represented and five faculty members of the board were present. The purpose of the smoker was to better acquaint the student staffs with the faculty members and with each other. Because each Publication has the Institute at heart, it is only fitting that they should gather in a social manner.

JUNIOR PROM

The climax to every year's social activity at Armour is the annual Junior Formal. This is the only formal event held during the regular school year, and as such was a smashing success, not only for those who enjoy dancing to a good orchestra, but also for those who are never happier than when attired in formal dress. The dance is looked forward to by every undergraduate at the Institute and is a fitting ending for a year's hard labor.



Interhonorary Banquet, 1932



Publications Smoker



Inter-honorary Dance

April 29, 1932

INTERHONORARY DANCE, 1932

The members of the honorary fraternities spent a very pleasant evening Friday, April 29, 1932, at the annual dance sponsored by the Honorary Fraternity Council, which was held at the Allerton Hotel. Music for the occasion was furnished by "The South Shore Seven." An additional entertainment was furnished by the pledges of the various organizations who sang the Armour Fight Song. Active and pledge members of all Honorary Fraternities are invited to participate at this exclusive affair.

HONOR "A" DINNER

The banquet of the Honor "A" Society was held Thursday evening, December eighth at the Blackhawk Restaurant. This banquet is an annual affair for these selected athletes. John Schommer was the principal speaker for the occasion and entertainment was furnished by Hal Kemp and his orchestra supported by a fine floor show.

A.T.A.A. DINNER

On the evening of May 23, 1932, the "Tropical Room" of the Medinah Athletic Club was the scene of the third annual Athletic Banquet at which the Armour Tech Athletic Association played host to some one hundred thirty Armour athletes. Dinner was followed with several addresses delivered by Dean Penn, Prof. Schommer, and Stan Lind, President of the A.T.A.A.



Honor "A" Dinner



A.T.A.A. Dinner, 1932

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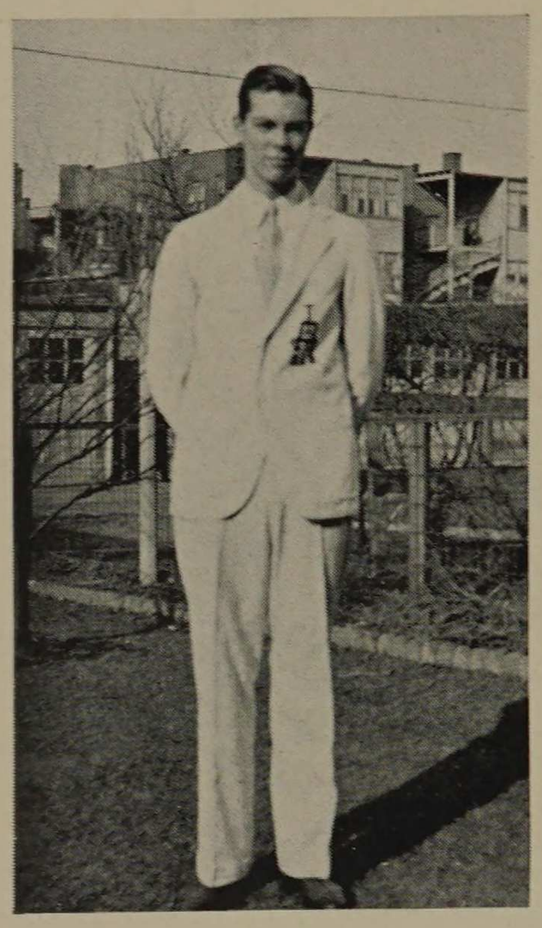
an "enchanted isle" is a child's dream world. our fun, though it changes as our own life story unravels, is always an essential factor in our disposition and attitude.



JUNIOR WEEK



Irving C. Johnson

OFFICIALS

Junior Marshal

Irving C. Johnson

Assistant Junior Marshals

Orville T. Barnett
Raymond J. Dufour
Maurice J. Erisman
Roy W. Carlstrom

Honorary Starter

Alonzo A. Stagg, Jr.

Judges

Professor William W. Colvert
Professor Harry McCormack
Professor Charles A. Nash

Sophomore Rush Leader

Frank W. Koko

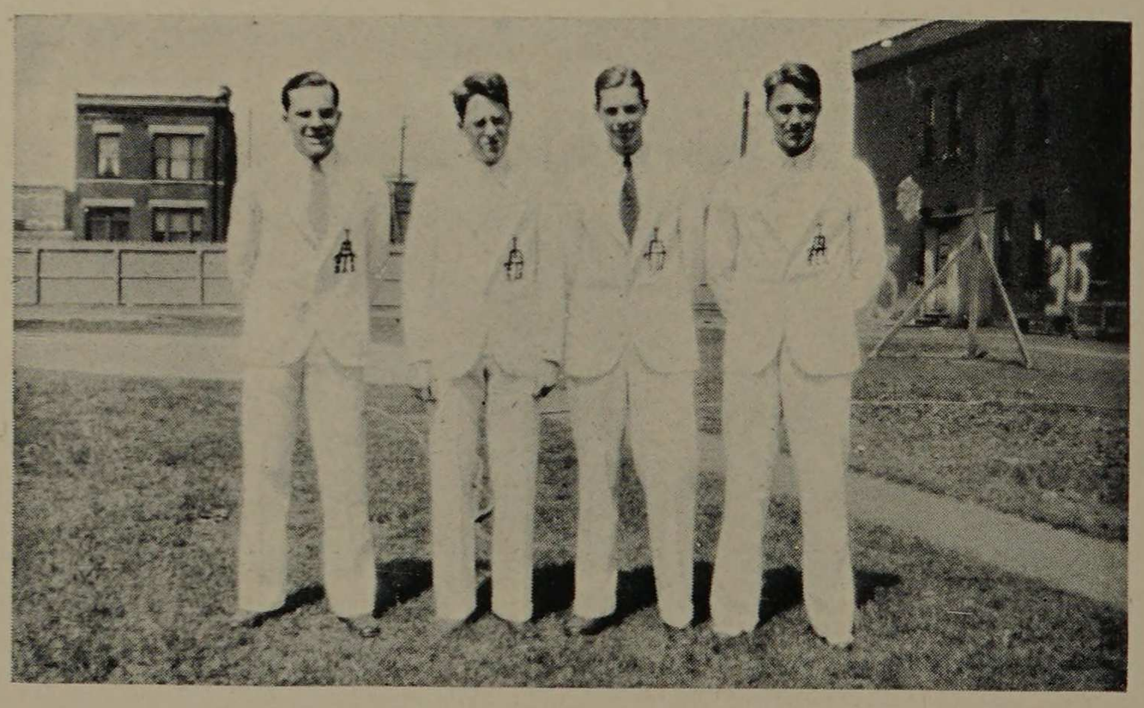
Freshman Rush Leader

Otto P. Freilinger

JUNIOR WEEK

The climax to every hard year's work at Armour is without doubt "Junior Week." The freshman, who has never lived one often regards it with some degree of indifference, the sophomore anticipates it eagerly, the junior looks forward to it and plans diligently, while the senior holds it as a pleasant memory long to be cherished. The well-ordered routine of school work is torn asunder by such welcome diversions as the Pentathlon, Interclass Relays, and other athletic contests; The Home Concert; Circus Day, the climax, with its sack rush, fraternity stunts; and finally the outstanding dance of the year, the Junior Formal. Such a period as this is remembered years after much of the subject matter of our texts is forgotten.

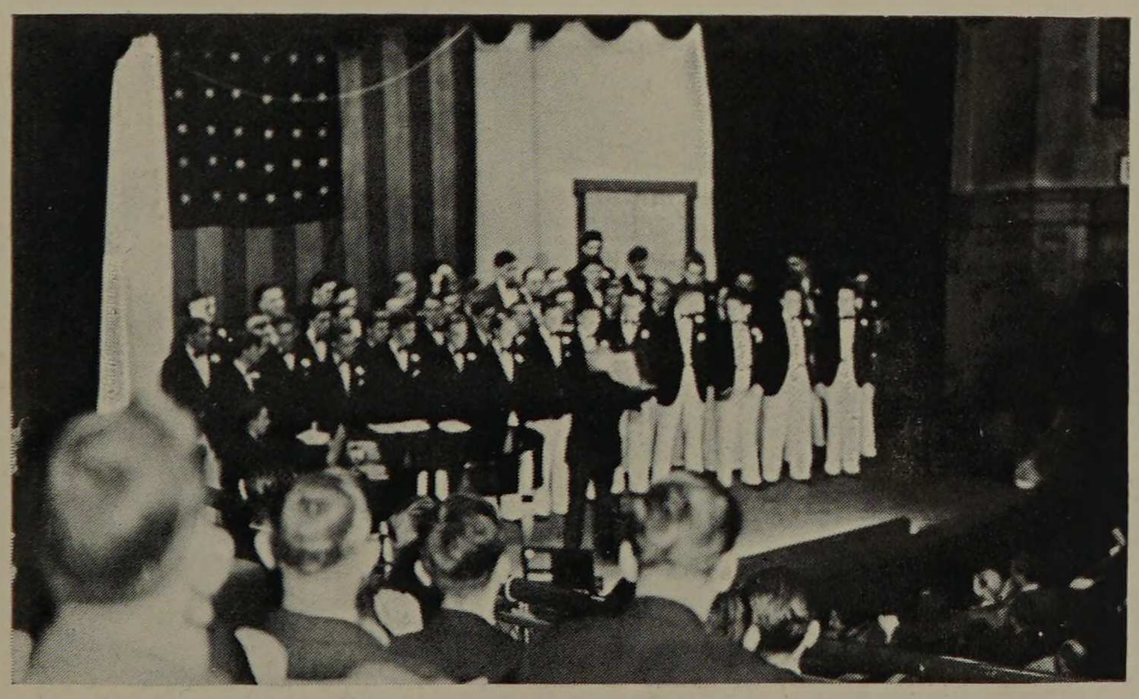
While the official beginning of Junior Week was Monday, the ninth of May, it was not until Wednesday that any great amount of activity was apparent. On this morning the annual pentathlon was held and George A. Nelson, a Sophomore, easily captured first place with a score of 4,222.59 points. Second place was taken by Henry Fox, '32, who acquired a score of 4,013.13 points. In the afternoon the Armour baseball team vanquished Lake Forest with a score of six to two to take second place in the league. That evening, in the Armour Mission, the first really important event of the week took place. This was the annual "Home Concert" sponsored by the musical clubs. Before the arrival of the audience the sophomores



Dufour, Erisman, Johnson, Carlstrom

released several gas filled red balloons, bearing large white "34s," which floated to the ceiling of the hall. This caused much discomfort to the Freshmen who, during the performance tried to bring the balloons down with pins shot with rubber bands, but they had no success until an air-gun was produced and a sharpshooter proceeded to make a number of bullseyes. An enjoyable program was presented, made up of selections by the Orchestra, Stresses and Strains, and the Glee Club; the Interfraternity Sing; and an innovation, a play, entitled "The Silent Alarm," given by the Armour Players. All were accorded more than the usual amount of applause by the audience. Just before the final numbers by the orchestra, Dean Penn announced the Honor Edition Awards of the Cycle and presented them to the ten outstanding men. He also awarded the Interfraternity Sing Cup to the Delta Tau Delta Fraternity. This was the second consecutive year they had won this trophy.

Thursday morning the class bound students were greeted by a display, produced in the dead of night by the over-enthusiastic freshmen. Every available surface of fence, street, and building in the vicinity of school was liberally smeared with large figures designed to infuriate the Sophomores by blaspheming them and extolling the virtures of the Freshmen. Prominent examples of these signs are statements such as "Down With the Sophomores," "Yea Frosh,"



Spring Concert



Official Program

JUNIOR WEEK PROGRAM

Wednesday, May 11

Pentathlon
Baseball, Varsity vs. Lake Forest
Annual Spring Concert

Thursday, May 12

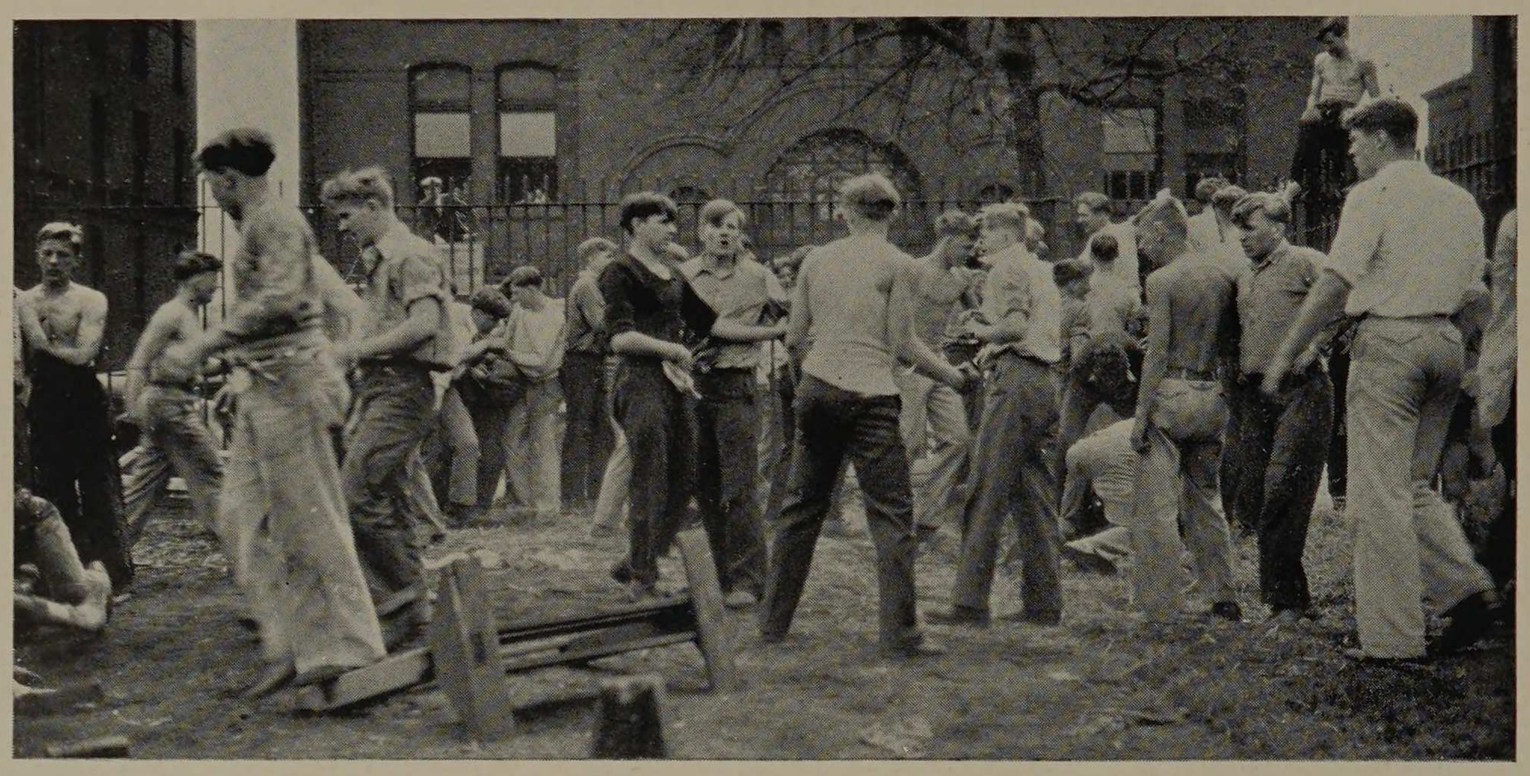
Interfraternity Track Meet
Baseball, Varsity vs. Michigan State Normal

Friday, May 13

Interclass Relays
Interfraternity Relay
Class Rush
Interfraternity Pageant
Junior Prom at the Drake Hotel

Saturday, May 14

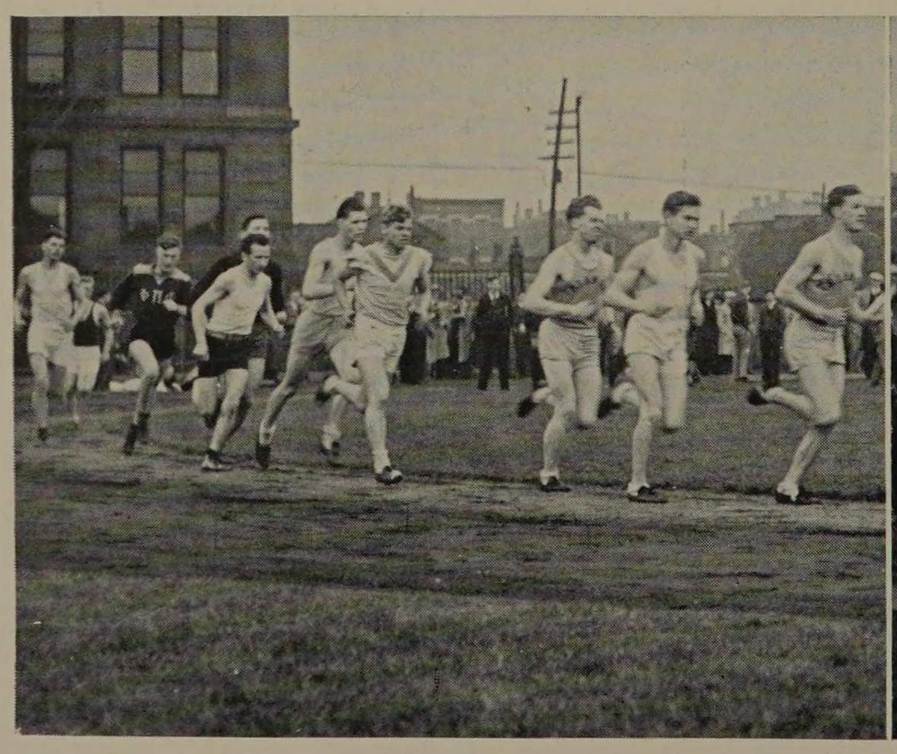
Track, Varsity vs. Bradley Tech at Peoria



An attack on the freshman goal

and a liberal quantity of '35s. The interfraternity track meet, held that morning, was easily won by Triangle Fraternity. In the afternoon Michigan State Normal defeated the Armour nine in a bitterly contested non-conference game. This defeat did not dampen the spirits of the student body who, mischief bent, formed into bands later in the evening and far into the night were to be seen parading up and down Michigan Avenue, frequently taking time to build bonfires and conduct snake dances. The entire day's activities were filled with an enthusiasm seldom seen at Armour in recent years, and as a result there were a great many scraps between the two factions.

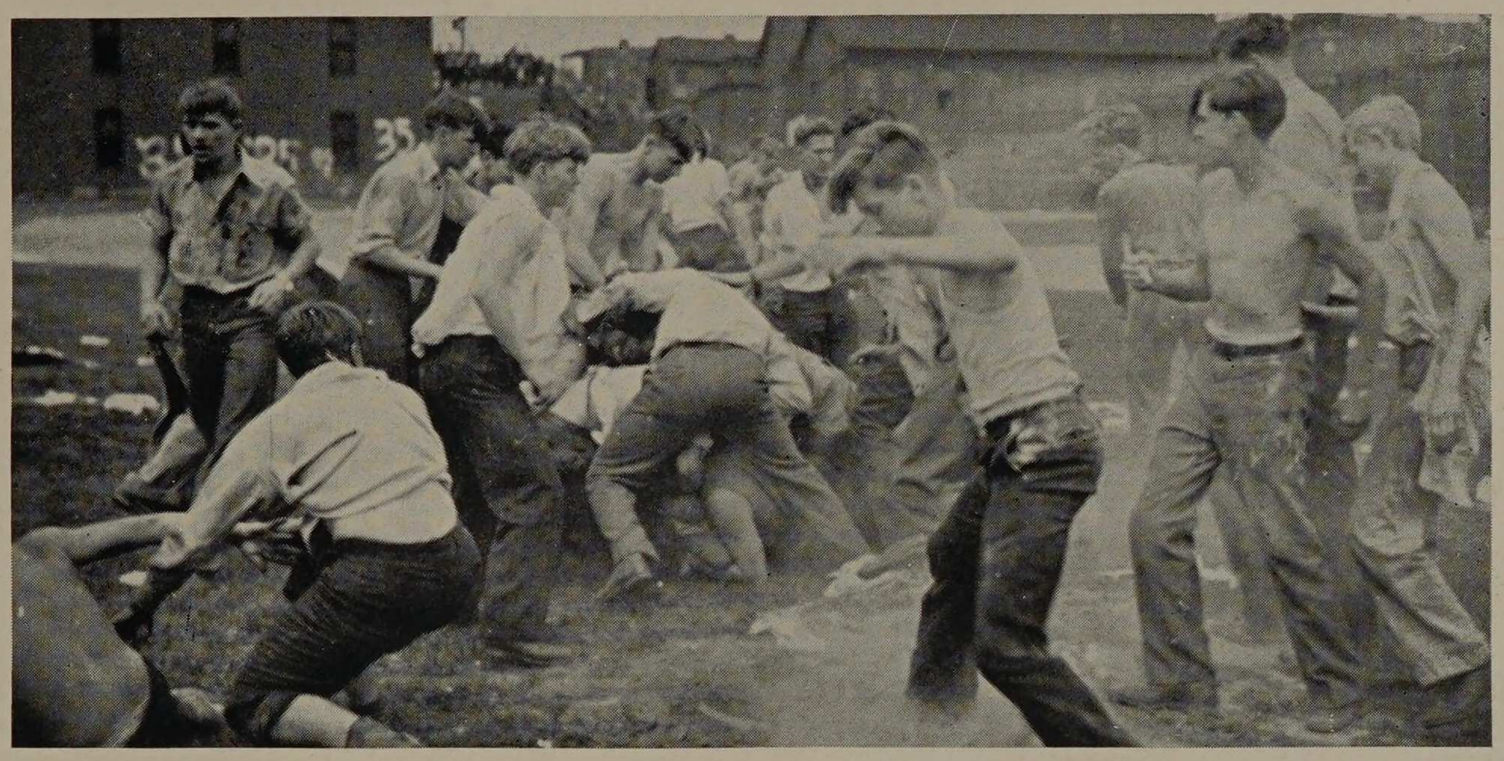
Friday morning an air of suspense prevailed, for this was the most important day of the week if one may judge by the amount of preparation. Early in the morning a large green coffin was found in the center of Ogden Field. It was, so an epitaph stated, the final resting place of the "Frosh." In spite of many difficulties the coffin was removed some time before the interclass relays which were the first scheduled event of the day. These relays were won by the Senior class, who as Juniors had won the event the year before.



Stan Lind in the lead



Who's race



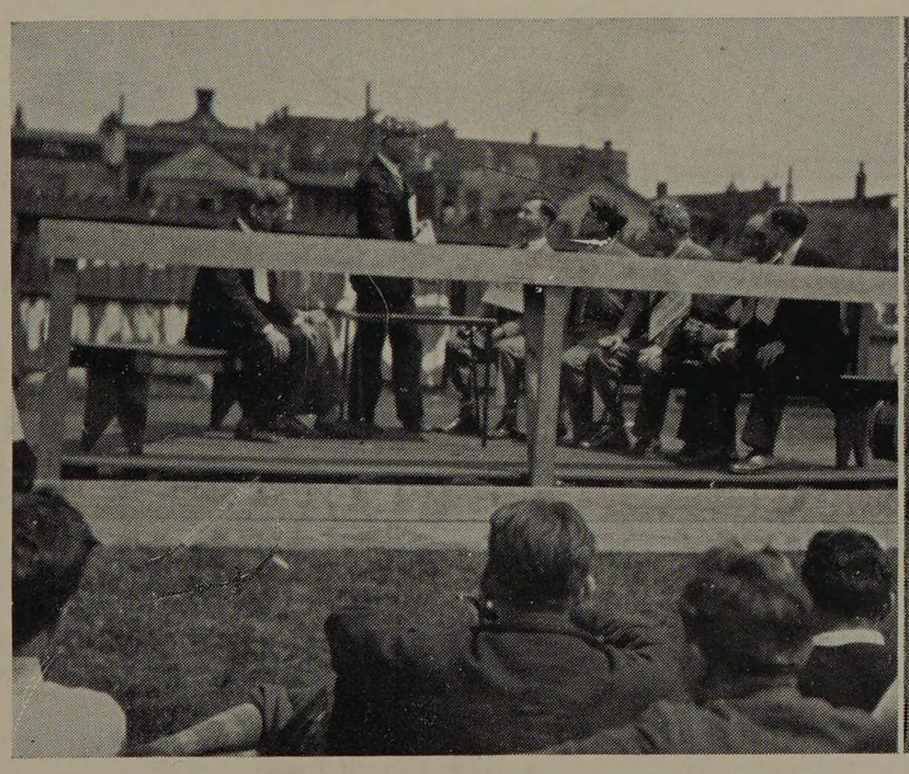
Just for fun

Triangle Fraternity excelling, as before, at track events, won the interfraternity relays.

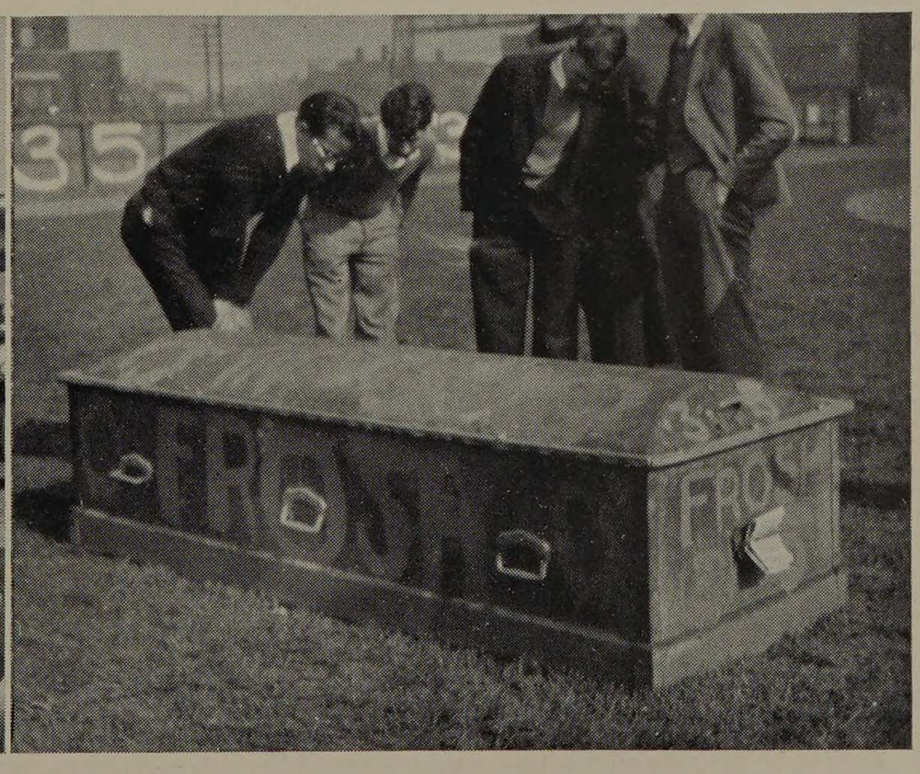
The crowning event of the day was the annual Freshman-Sophomore sack rush at one o'clock for which the greater part of the student body, as well as a great number of visitors, turned out. When all was in readiness the participants assembled for the fray and after a hard fought battle, the freshmen under the leadership of Otto Freilinger emerged victorious over the sophomores who were led by Frank Koko. The score as finally settled by the Marshals was sixteen to five.

At two o'clock the fraternities began their circus day stunts and while all were of a very interesting and entertaining nature that of Beta Psi was adjudged best from the standpoint of originality, versatility, and laughability. It was a very clever parody on the Armour Development Plan. Immediately after the stunts Dean Penn presented the prizes won by fraternities, classes, and individuals throughout the week.

To most of the student body the 1932 "Junior Week" was complete, but there were many who were fortunate enough to attend the grand finale, "The Junior Formal", which was held at the Drake Hotel.



The winning stunt



Oh yea!

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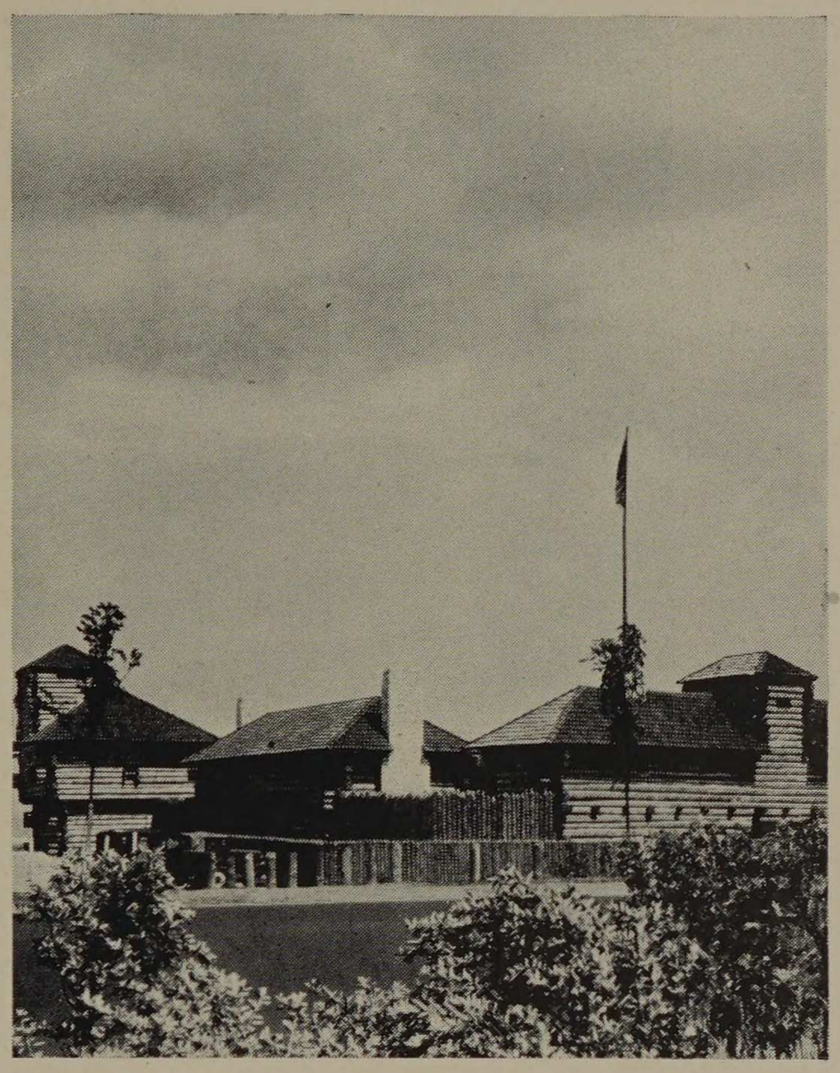
song and story were not absent even from the little log fortress at the mouth of our famous river which now, through the ingenuity of the enginer flows a backward course.



SUMMER CAMP



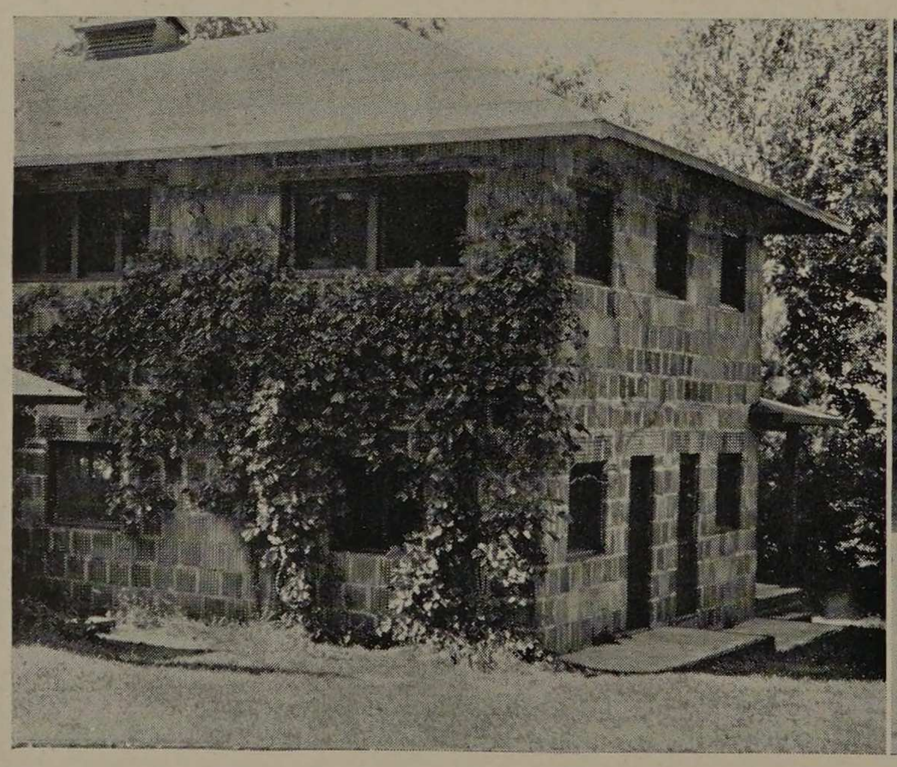
The merrie crew of '32

SUMMER CAMP, 1932

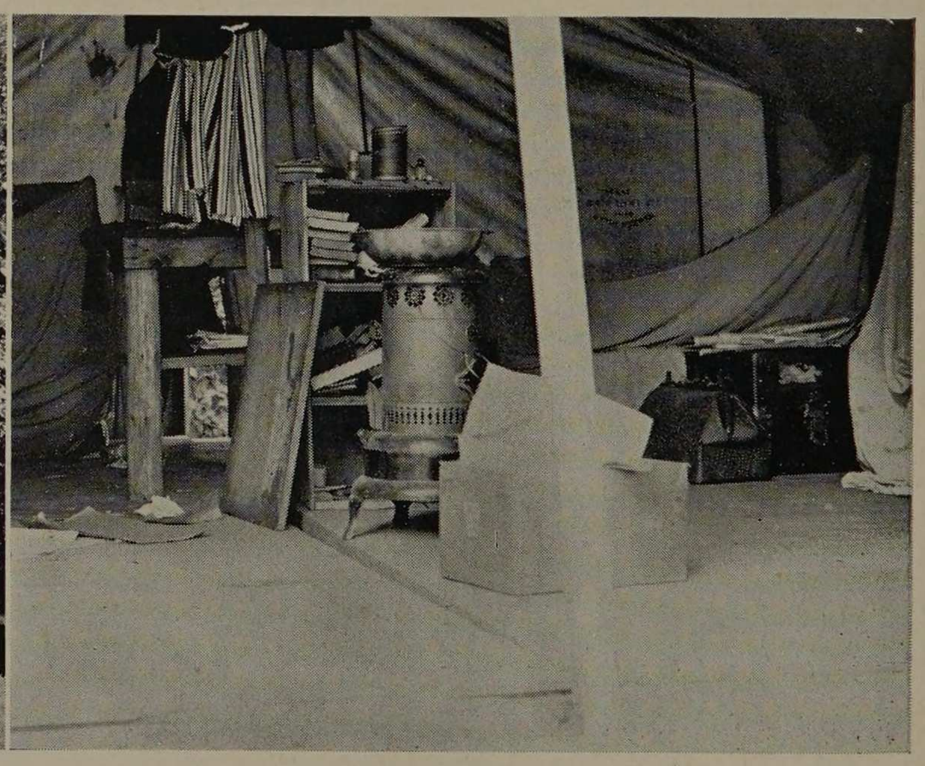
Included in the curriculum of every student enrolled in the Civil Engineering department is an added tid-bit which is gulped down hook, line, and sinker by each of the fifteen odd aspirant bridge builders who are fortunate in obtaining the opportunity to experience true life in the rough. And why not? Each knows that the benefits reaped from the mental and physical training acquired in the six short weeks at Camp Armour in Wisconsin will prove of the utmost importance in his preparation for later life.

With the desire to investigate the fragrancy of pines as soon as possible, a group composed of sophomores and several freshmen bustled into an outgoing train to Minocqua, the nearest railroad point to the camp, from whence a waiting bus conveyed the travelers seventeen miles to the State House. After a half mile tramp which seemed lengthened several times over Camp Armour was reached.

On the following Monday, a civil engineer's life was begun by each individual. Triangulation, taping, surveying, and the use of the transit and level were only several details included in the practical training.



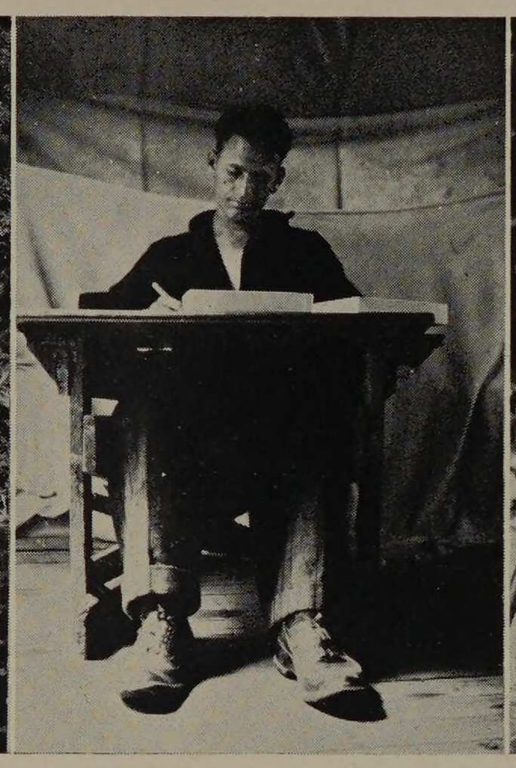
Where we eat



—and where we sleep



Play



—study



—and work

Thus, a great amount of knowledge was garnered at the hands of experience. After each workday, a refreshing plunge in the lake followed by a repast which was "fit for a king" set the boys in fine fettle. Week-ends were spent in becoming acquainted with the lore of the forest or in snaring the plentiful trout.

The annual baseball contests between the camp and the Red Arrow Camp teams renewed the friendly rivalry of years gone by.

To keep in touch with civilization several of the men went to the dances held occasionally in the town of Trout Lake. This town, incidentally, contains only a dance hall and general store. Here, at one of the dances, they were fortunate in seeing an Indian dance.

A canoe trip having been suggested for July 4th, several canoes were obtained at Boulder Junction, approximately five miles north of the upper end of Trout Lake. Packed with supplies for two days a crew of six paddled forty-five miles, returning in a roundabout manner back to Trout Lake.

Activity again surrounded the camp on July 26, when the time arrived to board the Fisherman's Special which would conduct all to a less eventful life.



Just a little doze



Before the dance

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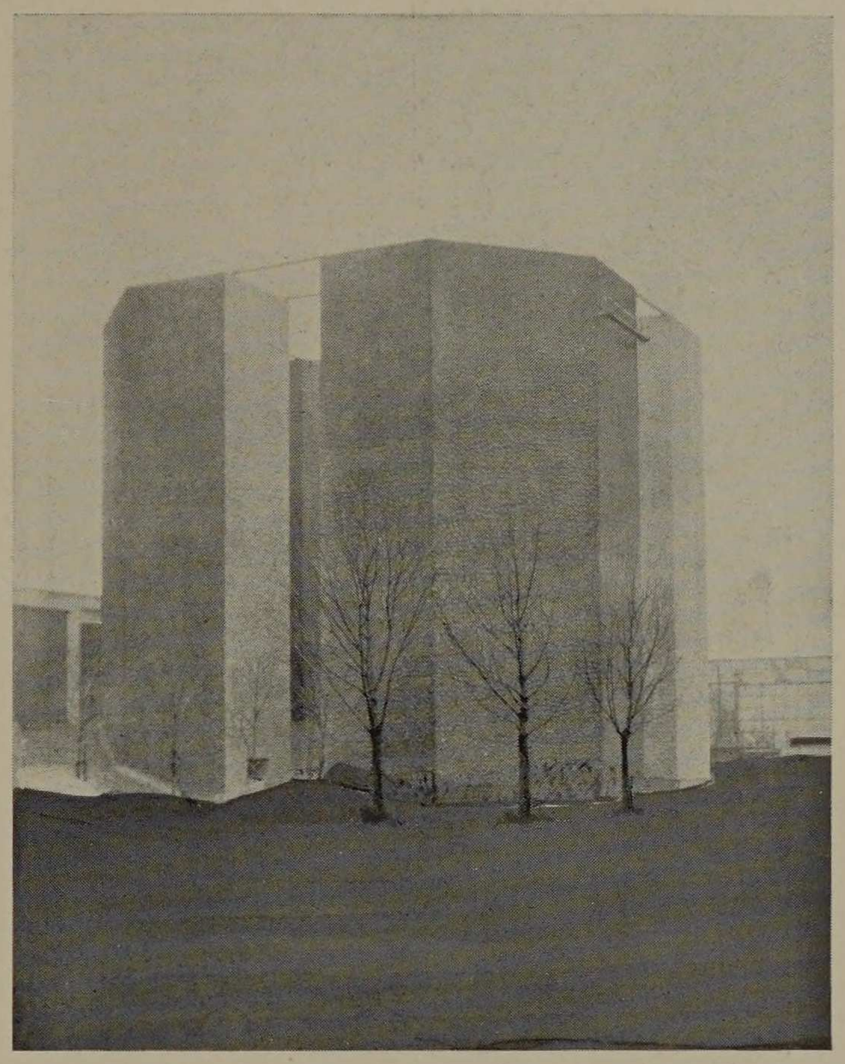
we are conscious of the greatness of an edison, we sense the portrayed emotions of a great actor, but we know the accomplishments of a college chum.



AWARD

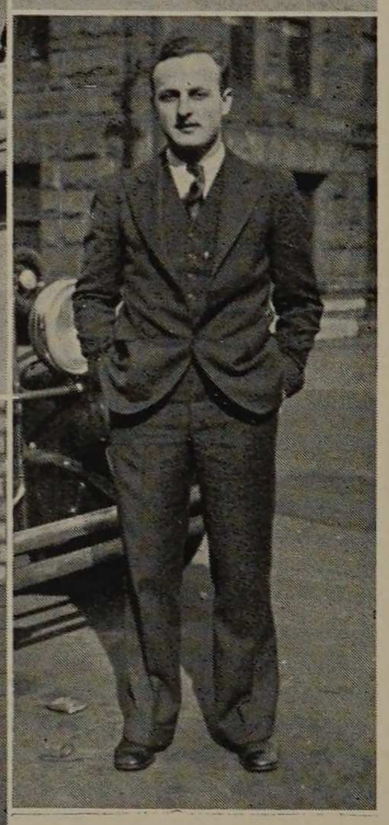
THE HONOR













Roy Carlstrom

Elmer E. Sademan

Wilfred W. Davies

Charles B. Sommer, Jr.

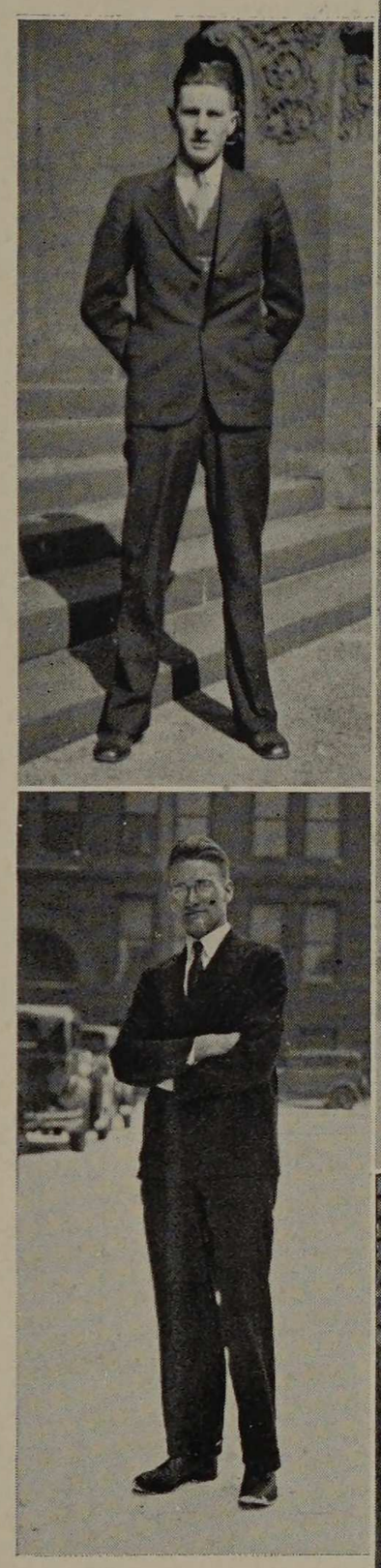
James W. Juvinall

". . . . . that the Board of Athletic Control, the advisory council of the Armour Tech Athletic Association, in meeting assembled, each year select ten men from the graduating class to be known as the Honor Edition Award men; that the basis of selection shall be on the leadership and interest in all school activities displayed by these men while in school in accordance with the basis of selection now drawn up; that these men shall receive recognition of this award by appropriate publication of the Honor Edition Award in the Cycle; and that each man shall receive a numbered copy of the Cycle."

OF 1933

EDITION AWARD







Willis G. Buehne

Jarl T. Sorensen

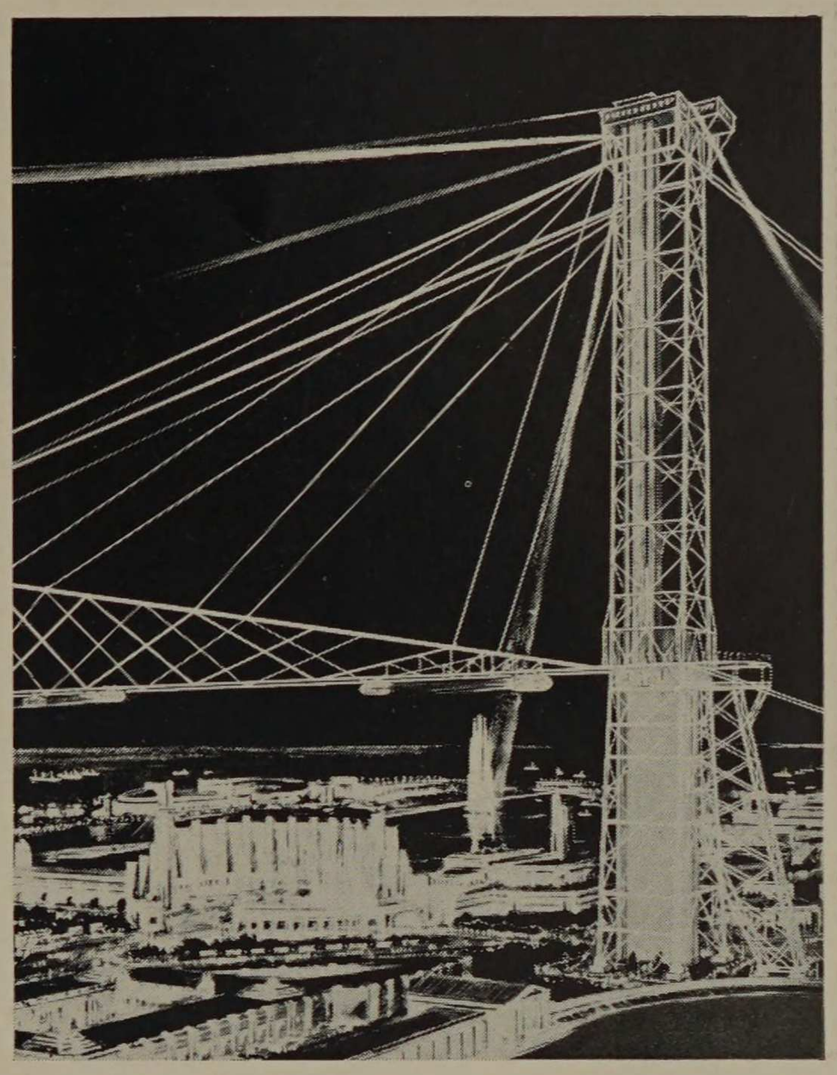
George J. Beemsterboer

Franklin Paine

William W. Lange

In accordance with the above resolution presented to and adopted by the Armour Tech Athletic Association in 1928, the "appropriate publication in the Cycle" is hereby made. The resolution was this year amended to the effect that the Honor Award Cycles should not be numbered but that the most outstanding graduate who, under the original resolution would have received Award Number One, should be given special mention. Because, by his "leadership and interest in all school activities", he most nearly fulfilled the conditions of "the basis of selection", Roy William Carlstrom deserved and received this honorary citation from the Board of Athletic Control.

a thrill, whether one's own experience, or a sensation stirred by witnessing an act of another is usually easy to remember, but memory does not record as completely and accurately as does a picture.



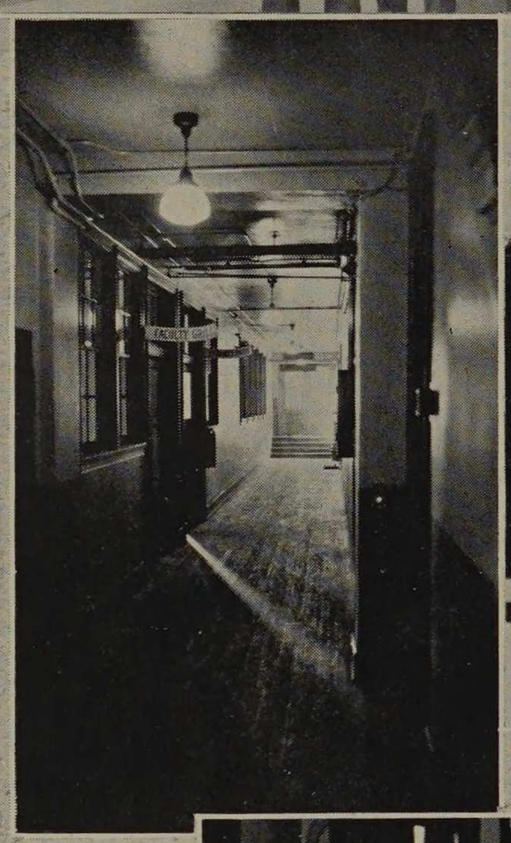
FEATURES



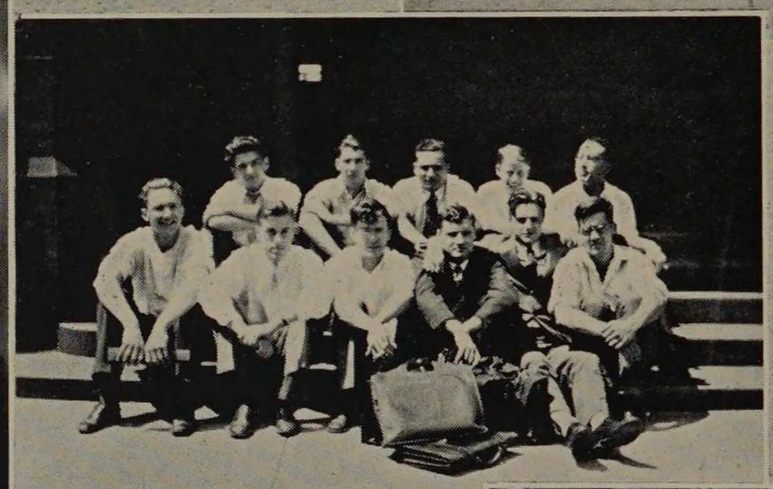
Three Tech News editors deciding an editorial policy.



Fuhrer must have been on time that morning.



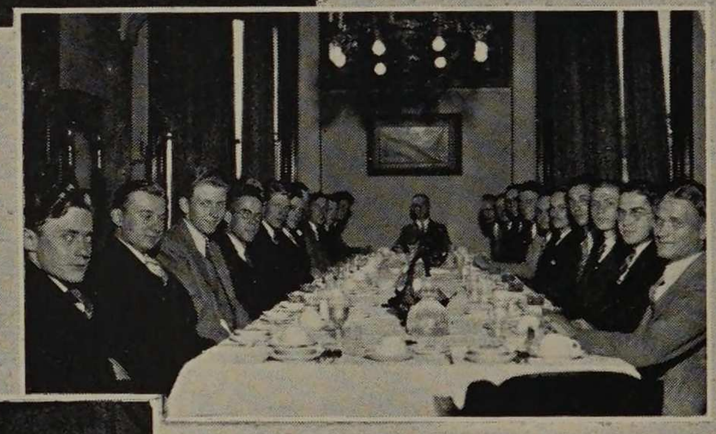
A rush period at the entrance to the card? rooms.



So this is how hard the summer electricals work.



A Sphinx may have a silent voice, but oh that soup.



Other things as well as baseball must be going along in a happy manner.

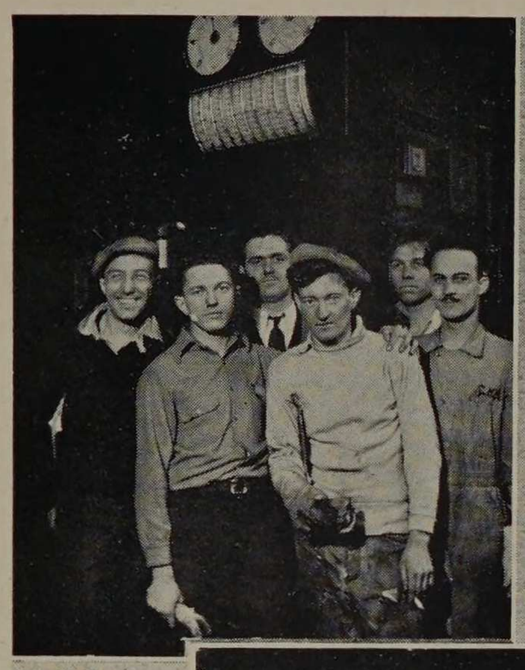


Brad looks as though he were about to give away a ring.



The Architects reception for Doctor Hotchkiss.

After plowing through a blizzard, a boiler test is a comfortable job.

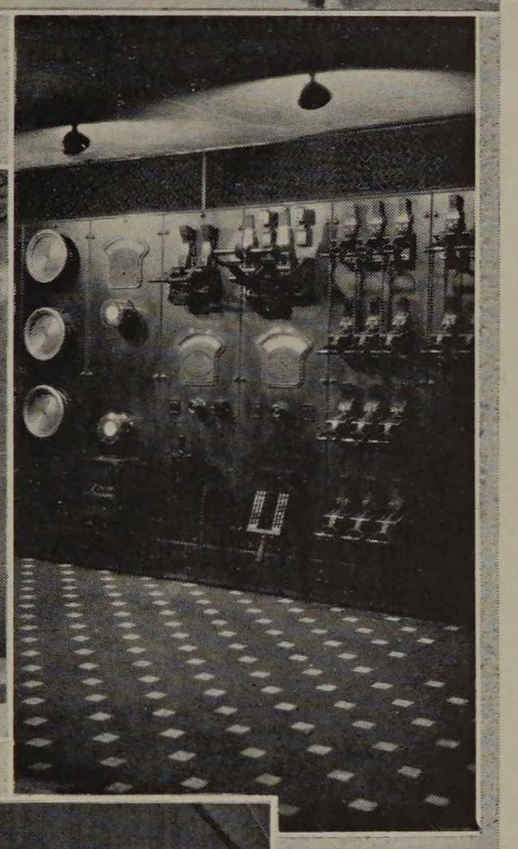




Between classes, with "Ras" taking the center.

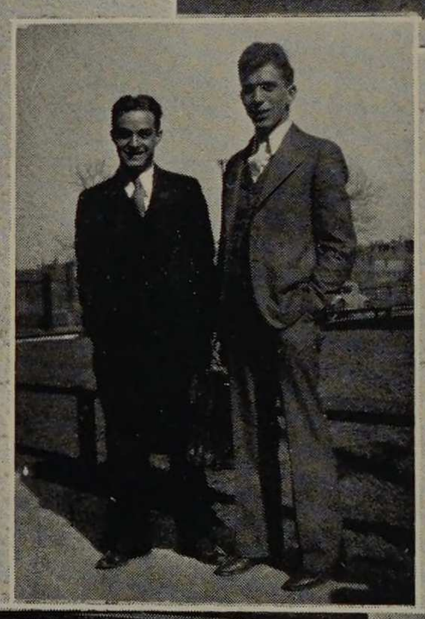
If the picture were a talkie, we'd probably hear the post - grads speak German.





Having switched the power once, how many can now do it again?

Jim and Joe oblige.

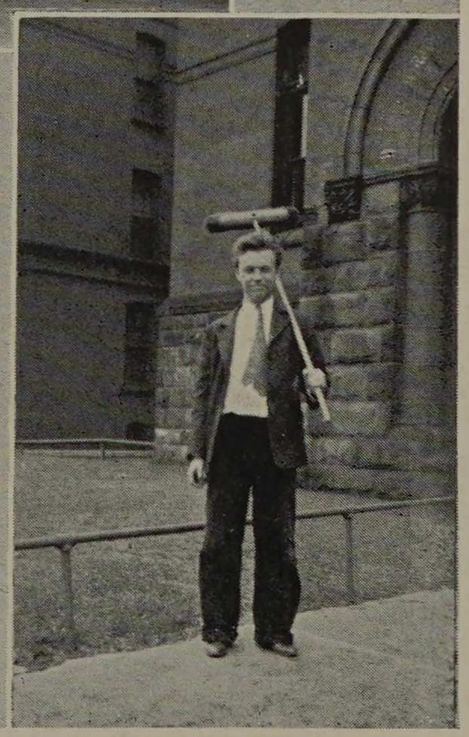




A good shot in the Junior - Soph game.

Warren Brown tells the journalists of peaceful, easy life of a newspaper man.

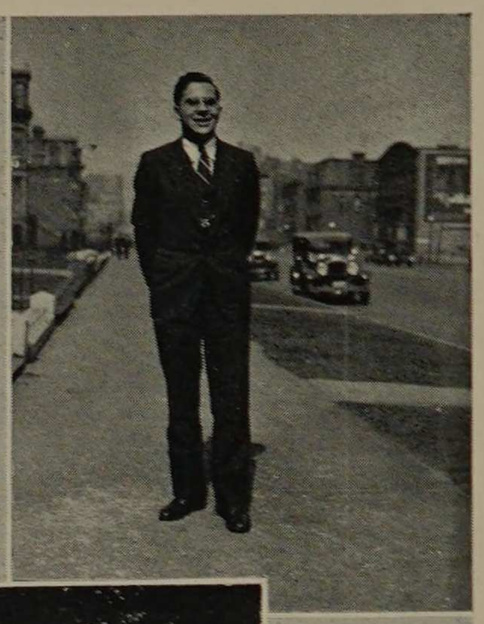




Don't be misled, Harold's only a stage-sweeper.



Some of the reasons the front steps don't blow away.



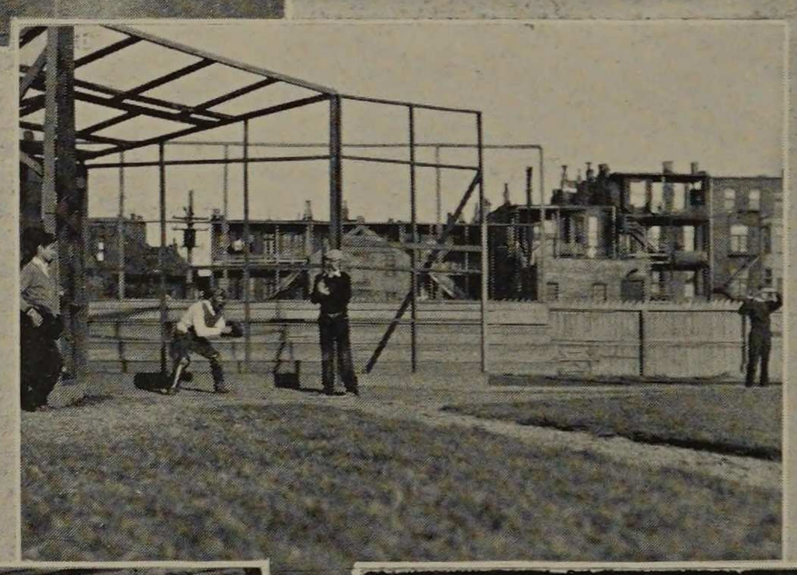
Smile for the camera, Ray.



This is a good view of Michigan avenue and Bodinson.



Someone gets a shot at Callen taking a shot.



Armour's grandstand and back yard. "Beem" at bat for the Seniors.



Vic, between innings—I mean—classes.



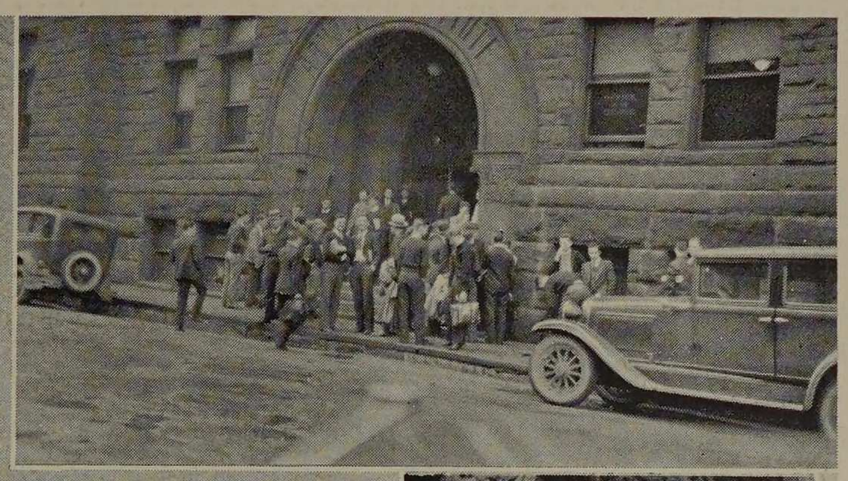
At least it's an original excuse, Earl.



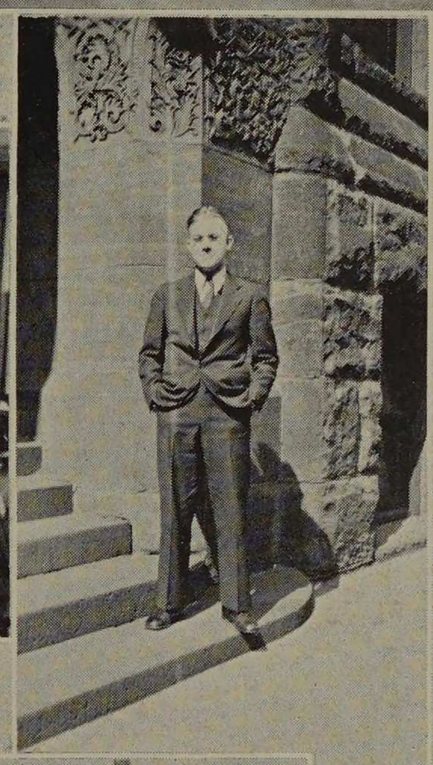
If you doubt the Freshman ability to play basketball, read on to the athletic section.

Why so serious, Carl — did someone swipe the pipe?





It isn't a handout, but what else draws such a crowd?



This couldn't be a classroom — there are too many students.

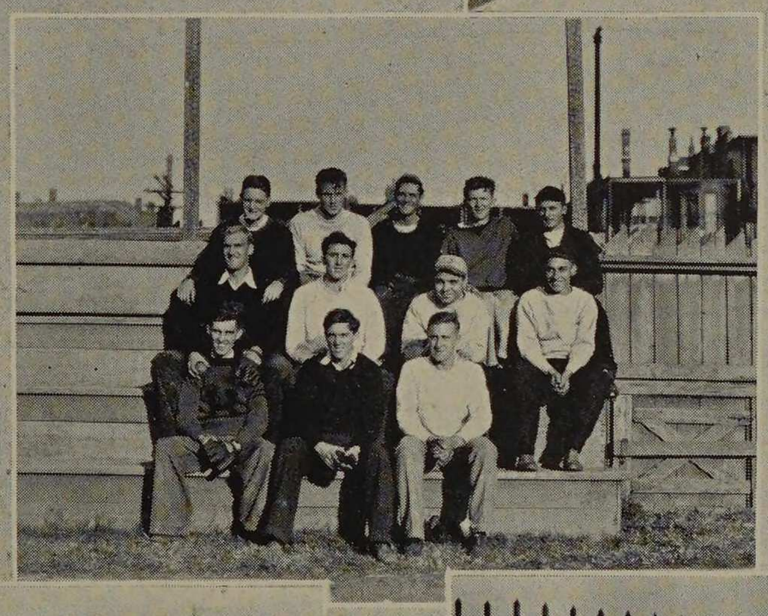


Who else do we often see in that same pose, Ray?

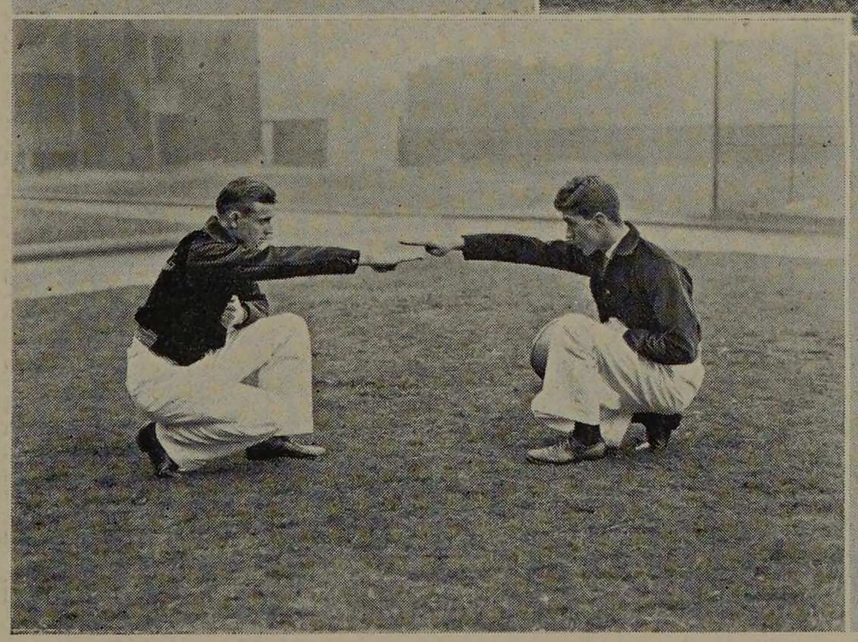
All good things don't go at once. "Sade" leaves the pacers, but "Johnie" stays.



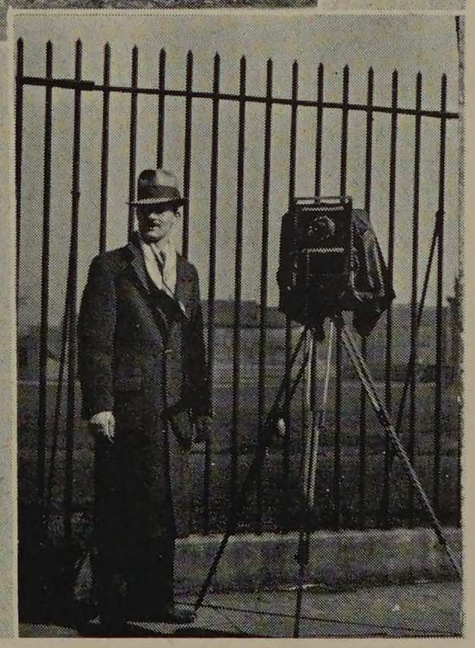
This picture was taken before the game, or perhaps somebody cracked a joke.

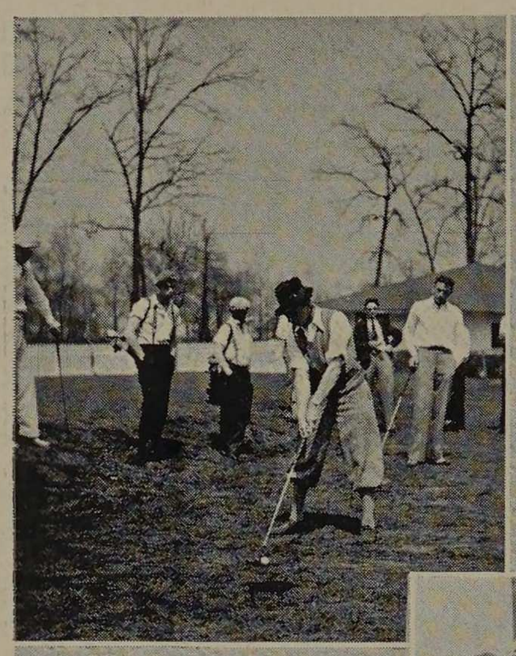


A big "Yea Armour."



Turn about's fair play, a shot for a shot.





A birdie shot of part of Armour's golf team.



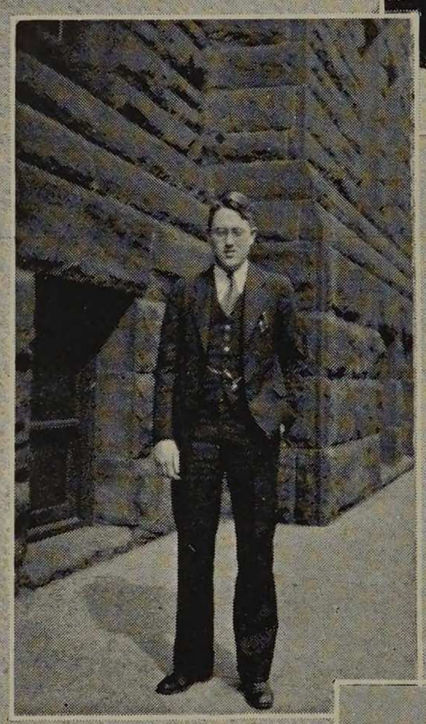
Quick, who has a machine gun?



Our boxers invade a foreign stronghold.



Throw it, Suman. It might hit someone.



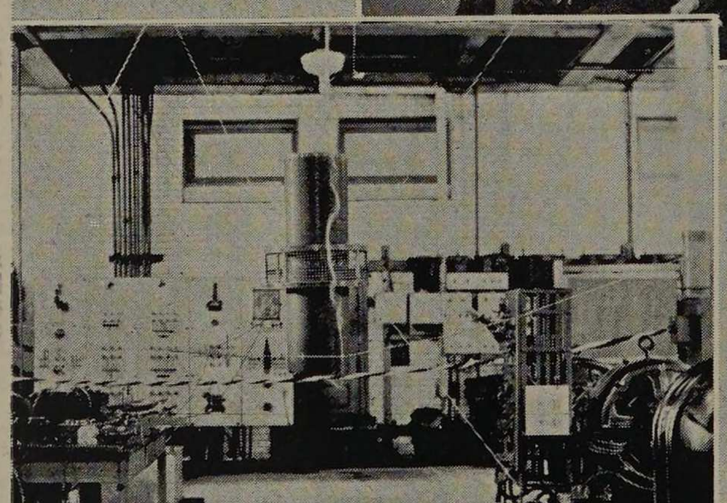
Erisman was reaching for change to pay for this picture.



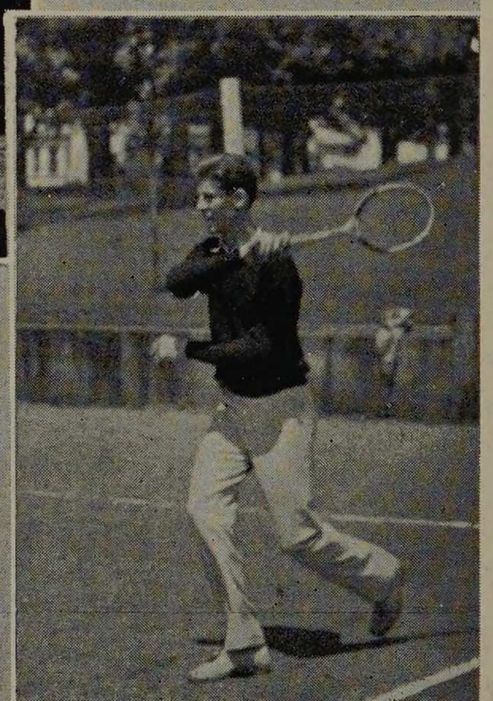
Interfraternity baseball gets into full swing.



Not a worry in the world. One broad smile all down the line.



A bolt out of the blue.



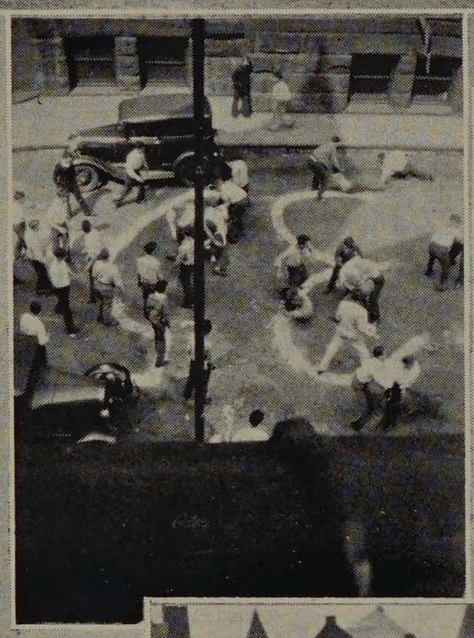
Cone steps into a fast one.



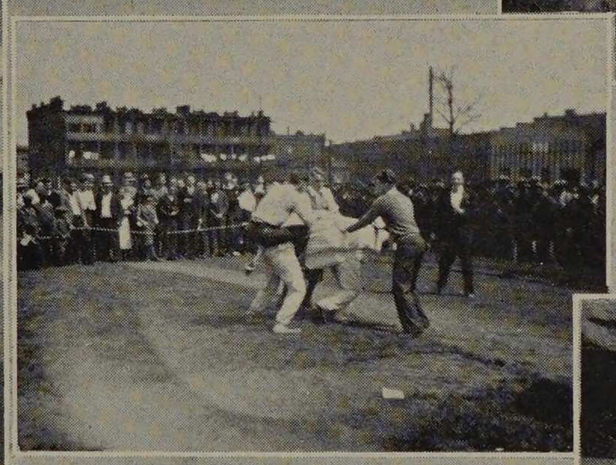
Proof of the good sportsmanship of the rush.



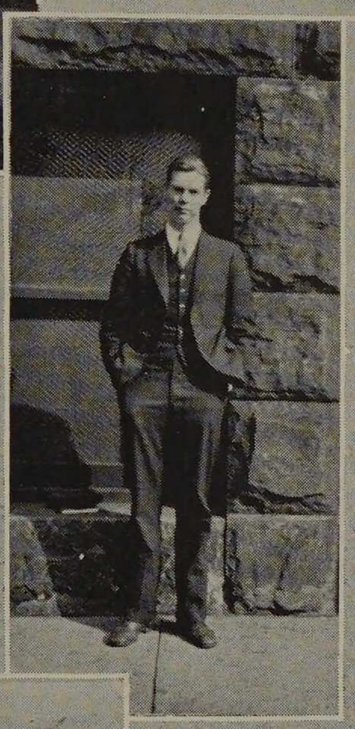
This might be either an assistant Junior Marshall or a Freshman.



A preliminary skirmish of the Frosh-Soph rush.



No. This isn't a Spanish bull-fight.



Just before the cannon shot that was heard around the world.



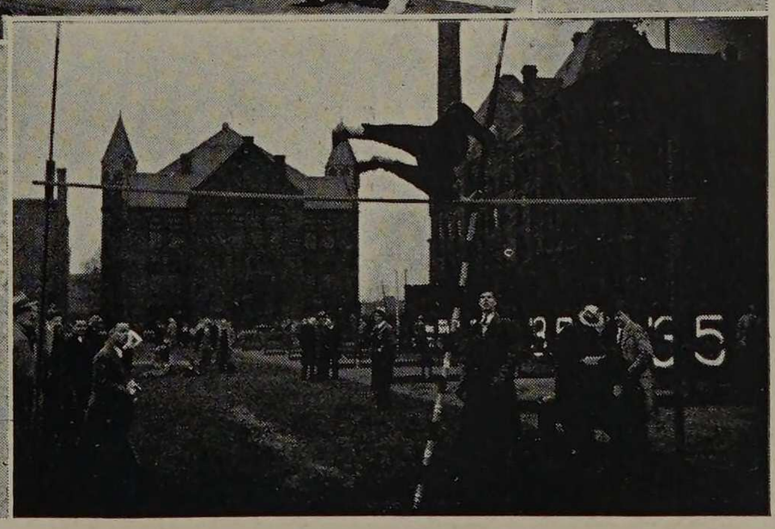
Junior Marshal Johnson, not Marshall Johnson, Junior.



A group of attractive Armour coeds. O, Yoo Hoo.



Livingston, but not the famous explorer.

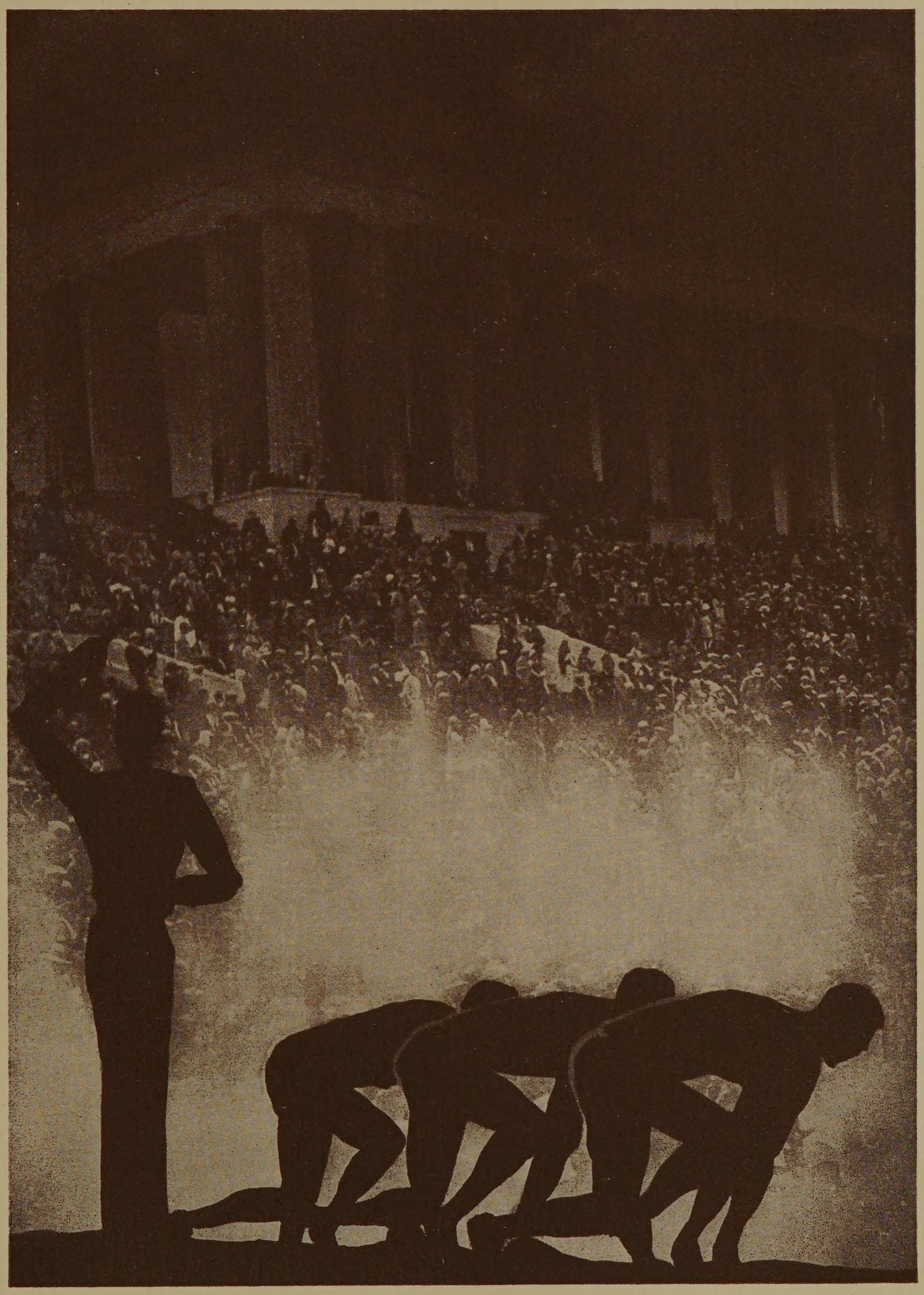


The interfraternity track meet attains new heights.

had the lives of our countrymen been a reenactment of the role of the rich and idle greek or roman just before the collapse of their respective great empires, such an enduring and fitting monument as soldier's field should never have been erected in memory of those who were willing to lay before history all that was within and of themselves—strength, body, life, and soul—so that their country might enjoy a future according to its own shaping.

ATHLETICS

such sacrifices to the spirit of patriotism would not have been possible without the previous athletic training which teaches the "hatred of a quitter, a boaster, an alibier, or a hypocrite," and which instills the fortitude to "face the odds with determination, courage, and mental alertness."



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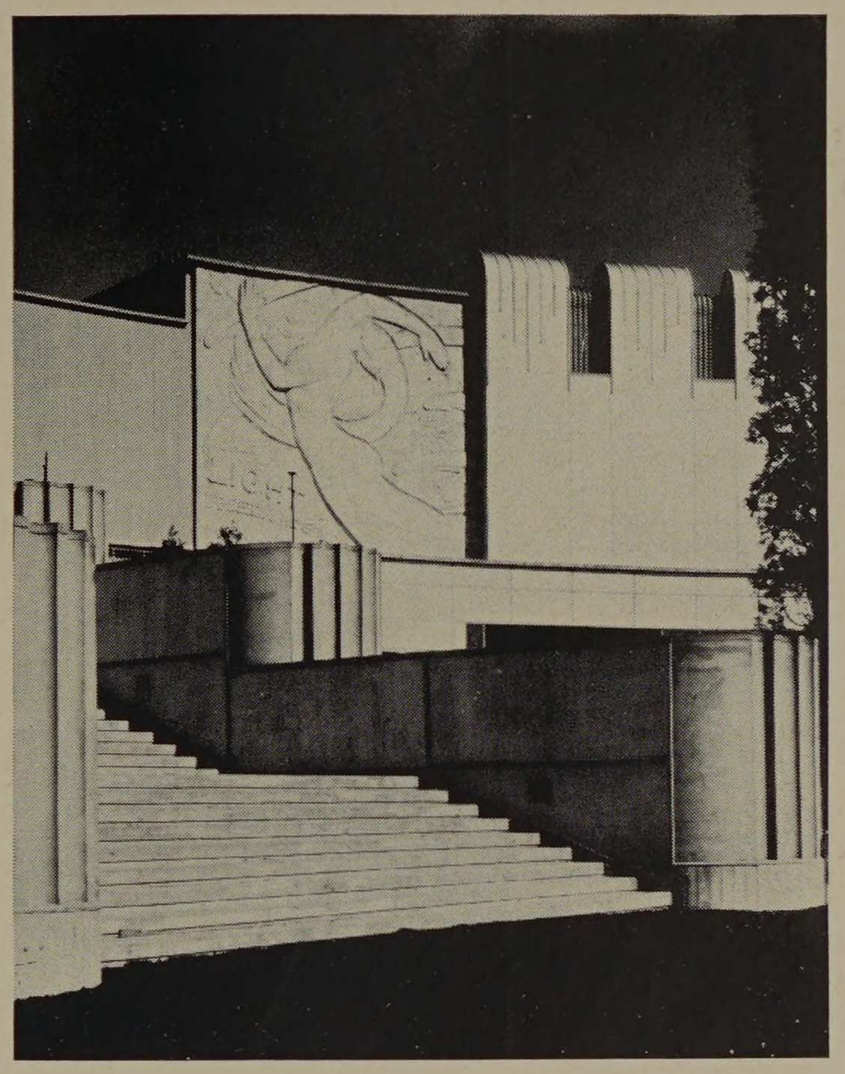
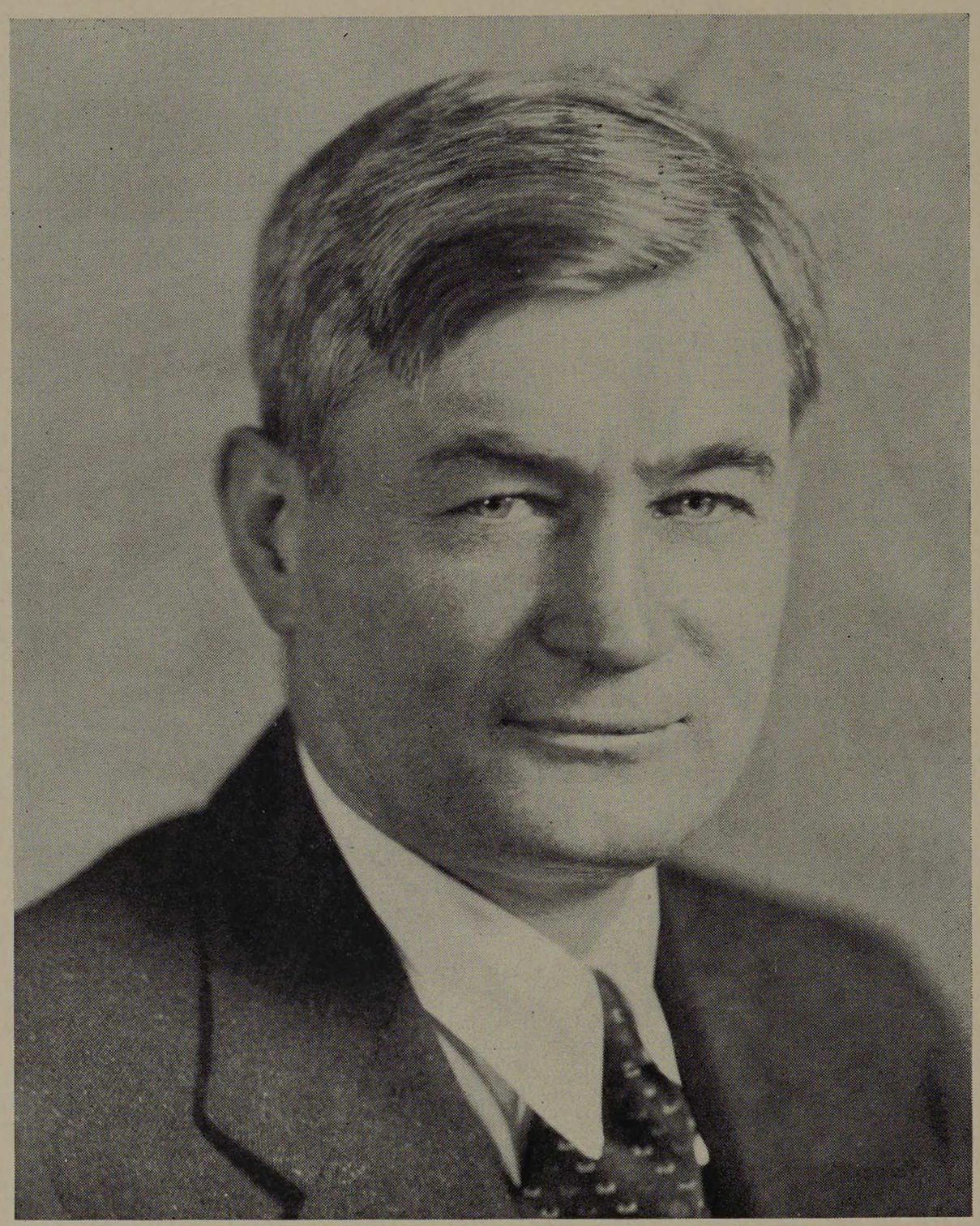
by day the shiny sun furnishes the light in which we view the world in its' glory; by night electricity illuminates its parts; similarly, athletic leaders are the operators who focus the beams of fair play and good sportsmanship upon the game.



ATHLETIC ADMINISTRATION



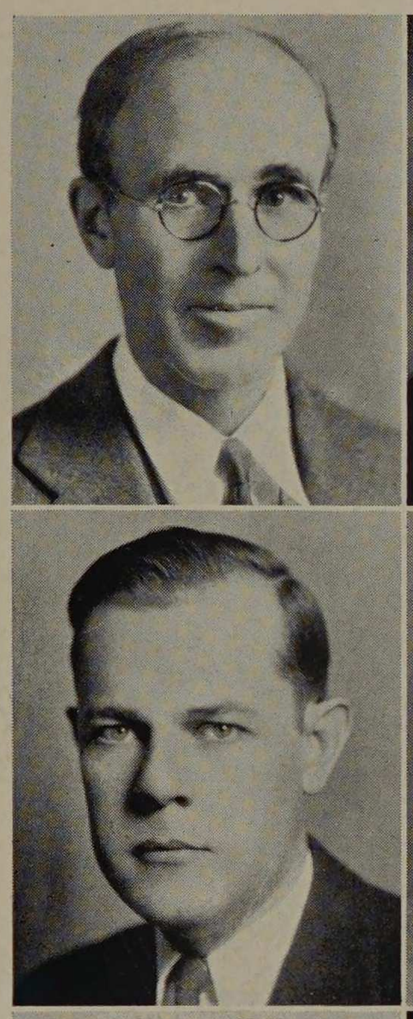
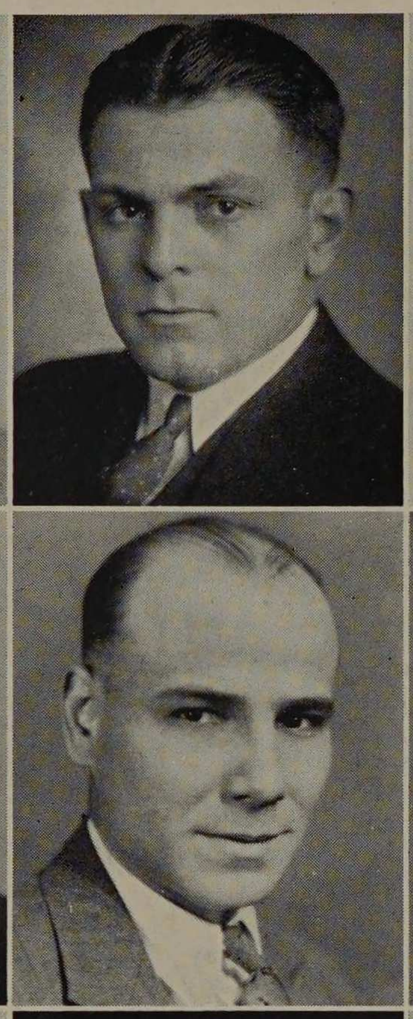
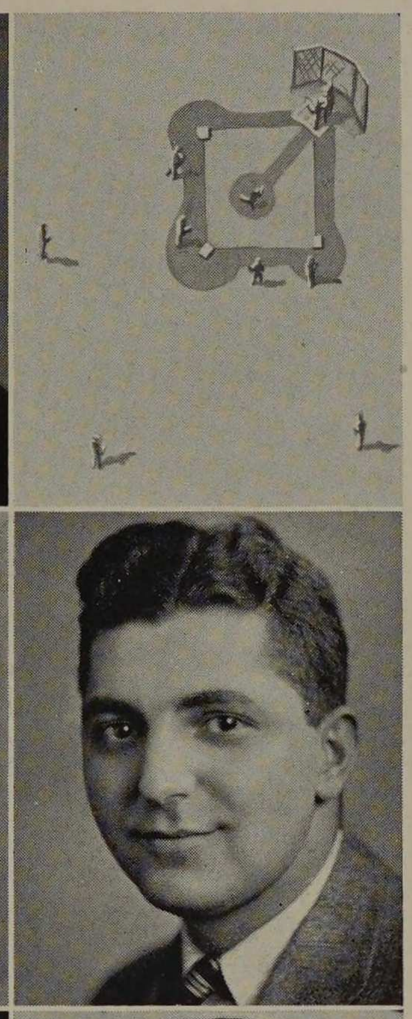
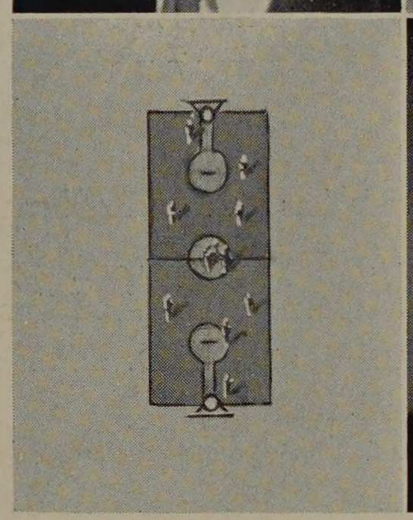
SCHOMMER'S MESSAGE

At a recent meeting of prominent lawyers, graduated at least fifteen years ago from The University of Chicago, Dean Bigelow asked a question which everyone had to answer. This was the question: "If you had your college days to live over again, what courses or college activities would you stress?" With the single exception of one who claimed he would stress international law, everyone expressed the desire to put his efforts in additional athletics and physical culture. In other words, their desire was a healthy body. They had been so engrossed with the majesty of the law they forgot to inculcate the desire to develop their health by exercise and play. What is true of these lawyers holds true with other professions and with our engineers.

Athletic games, especially the competitive kind, not only develop your body, but your character as well. Habits of co-operation necessary in all team games are learned by practicing them. Loyalty is learned by helping to achieve the cause to which you are loyal. Self-control is learned by being put in a situation where personal contact games plus the instinctive fighting spirit constantly require the exercise of self-control. Intercollegiate sports aid greatly in developing many traits of character that are of constant use throughout life.

Don't neglect your exercise. Use our facilities to the utmost. Build your bodies. A sound body is almost essential for a sound mind. The combination is tough to beat. Learn athletic play. It is the safety valve of your existence. It means the development of your health. It will build up a reserve force of strength and energy essential as a condition necessary for success and happiness in life.

—John J. Schommer.



C. W. Leigh
W. W. Colvert
A. A. Stagg, Jr.
W. C. Krafft
E. W. McGillivray
B. Weissman
O. Kuehn

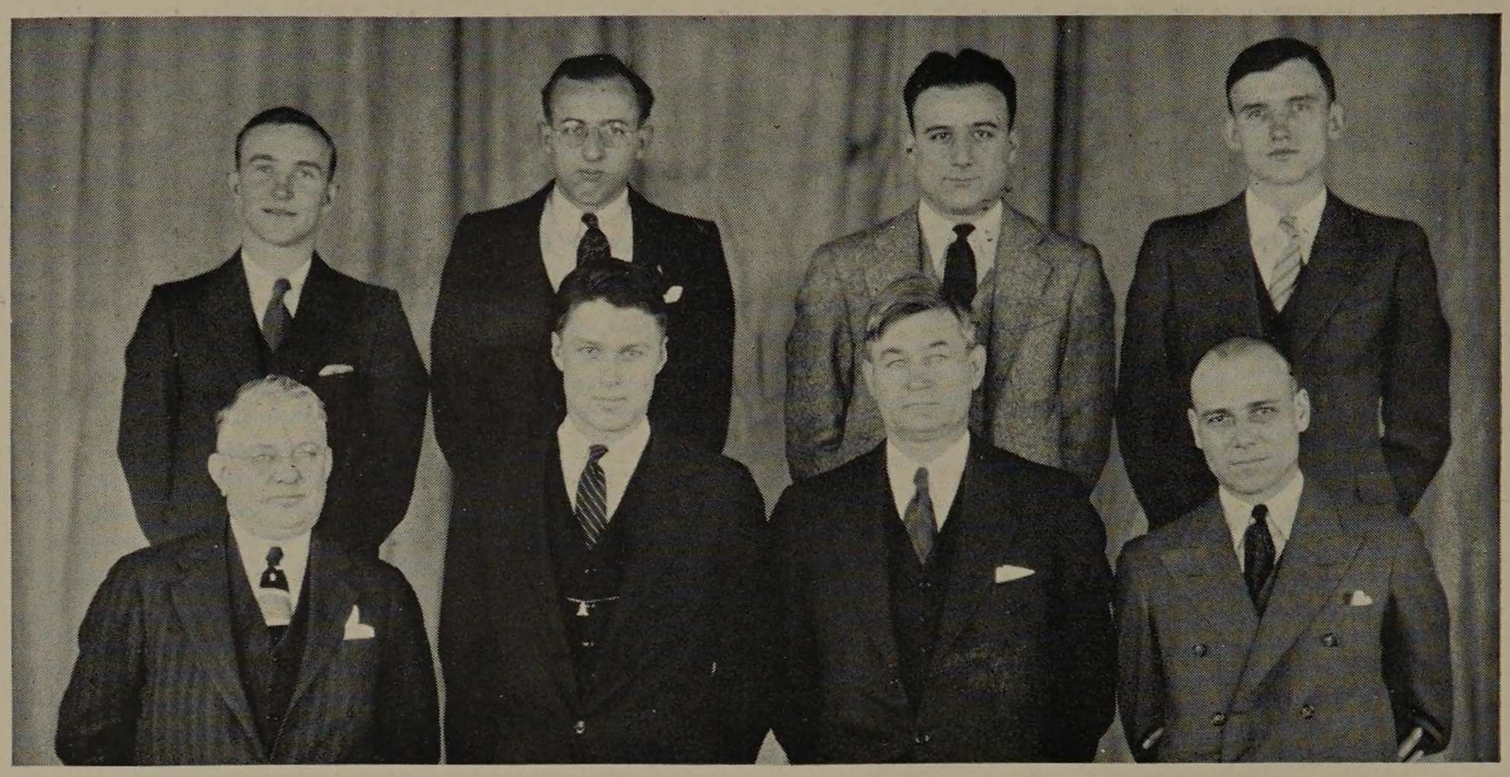
THE ARMOUR COACHING STAFF

Track	Alonzo A. Stagg, Jr.
Baseball	William C. Krafft
Basketball	Otto Kuehn
Swimming	E. Wallace McGillivray
Golf	Charles W. Leigh
Tennis	William W. Colvert
Boxing	Bernard Weissman
Wrestling	Bernard Weissman

Another successful year has been completed by the Armour coaching staff. Because of the illness of Coach Krafft, Otto Kuehn, a former Tech star, was appointed basketball coach.

All the major sports came through with flying colors. The baseball team under the direction of W. C. Krafft tied for first place in its initial year as a member of the Northern Intercollegiate Conference. With one veteran and additional new material, Coach Kuehn developed one of the best fives to take the basketball floor in the last nine years. Coach A. A. Stagg's track team finished an excellent season, although continually handicapped by injuries. Swimming received major status in Armour athletics this year. The team, guided by E. W. McGillivray, successfully completed the toughest schedule ever faced by any Tech team.

The minor sports experienced a lean year, inasmuch as most of the teams were composed of inexperienced players, who, however, show good promise.



Biegler Allison | Laschober Carlstrom | Frateschi Schommer | Lillis Krafft

ARMOUR TECH ATHLETIC ASSOCIATION

OFFICERS

Roy W. Carlstrom . . . . . President
Stephen M. Lillis . . . . . First Vice President
Louis W. Biegler . . . . . Second Vice President
Lawrence Frateschi . . . . . Secretary
Joseph Laschober . . . . . Freshman Representative
George S. Allison . . . . . Treasurer
John J. Schommer . . . . . Director of Athletics
John F. McNamara, M.D. . . . . Medical Advisor
William C. Krafft . Instructor in Physical Training

The Armour Tech Athletic Association was founded in the spring of 1922, by a group of students led by Harold W. Munday.

Every student is a member of the organization, and each class elects a representative. The officers of the Association are these students excepting the freshman member, and together with the administrative officers of the school and three faculty members, constitute the Board of Athletic Control.

The object of the A.T.A.A. is to develop a unified Armour spirit by furnishing efficient regulation for all student athletics and interclass relations. It serves as a medium between students and the faculty. It directs all varsity athletics.

"A's" are awarded by the Board of Athletic Control through the coaches' recommendation. These awards are given for earnest effort, proficiency, ability, and strict adherence to training rules. Graduating major "A" men receive "A" blankets which are black football robes with a large yellow "A" attached.

The Association promotes interfraternity and interclass athletics and manages all athletic mass meetings.

The Association also has jurisdiction over the Cycle, the Rifle Club, and the Musical clubs.

For the past six years the A.T.A.A. has awarded 10 Honor Cycles to the ten outstanding men of the senior class. The factors which enter into the selection of these men are: personality, athletic ability, various activities, and scholarship.

—R. W. Carlstrom.



Biegler, Laschober, Frateschi, Carlstrom, Lillis
Allison, Krafft, Penn, Hotchkiss, Huntley, Schommer, Heald

BOARD OF ATHLETIC CONTROL

OFFICERS

Philip C. Huntley ..... President
William C. Krafft ..... Secretary
George S. Allison ..... Treasurer

FACULTY REPRESENTATIVES

Willard E. Hotchkiss — John J. Schommer
Henry T. Heald — John C. Penn
Charles W. Leigh

STUDENT REPRESENTATIVES

Roy W. Carlstrom ..... Senior
Stephen M. Lillis ..... Junior
Lawrence Frateschi ..... Junior
Louis W. Biegler ..... Sophomore
Joseph Laschober ..... Freshman

MANAGERS

Robert F. Meehan ..... Interclass Athletics
Walter J. Weldon ..... Interfraternity Athletics



McDonough, Kolve, La Force, Weldon, Rummel, Beemsterboer, Frateschi, Streb, Lillis
Galvani, McDonald, Lukas, Carlstrom, Giovan, Nelson, Oberbeck, Sademan

HONOR "A" SOCIETY

OFFICERS

Roy W. Carlstrom ..... President
Elmer E. Sademan ..... Vice President
Leonard G. Rummel ..... Secretary-Treasurer

ROLL

George J. Beemsterboer
Willis G. Buehne
Roy W. Carlstrom
Spencer B. Cone
Lawrence Frateschi
Victor J. Galvani
Nicholas E. Giovan
Allen H. Helmick
Sven Johannisson
Irving A. Kolve
August Kruezkamp
Arthur F. LaForce
Stephen M. Lillis
Michael A. Lukas
George MacDonald
Leonard E. Marcus
Edward W. McDonough
George E. Nelson
Arthur W. Oberbeck
Tad Omiecinski
Victor Omiecinski
George M. Reed
Leonard G. Rummel
Elmer E. Sademan
Charles B. Sommer
Louis H. Streb
Walter J. Weldon

The Honor "A" Society was created early in the year of 1914 and is one of the oldest organizations at Armour. Although it was originally organized for the purpose of governing all athletics on the campus, it has been replaced in that capacity by the Armour Tech Athletic Association. At the present time it is maintained strictly as a Society for Tech lettermen and devotes its interests toward the promotion of athletics. The members, who are chosen only from the Junior and Senior classes, wear a small gold "A" charm as a mark of distinction.

During the past year, the Society decreed that Thursday should be official letter day, requesting that all men who have earned the coveted "A" should wear them on that day. It also stated that men having letter-sweaters from other schools may wear the sweaters on removal of the letter.

The seventh annual athletic re-union banquet was held at the Blackhawk Restaurant on Thursday evening, December 8, 1932, immediately after the alumni-varsity basketball game was made history in the proper manner. The banquet was noteworthy because of the conspicuous absence of the after-dinner speakers. In addition to the dinner, the orchestra and splendid floor show furnished everything in the way of amusement for the pick of Armour's athletes and the Institute's coaches.



McDonough, Streb, La Force, Bermsterboer, Lillis, Nelson, Armsbury
Behmer, McDonald, Kulpak, Lukas, Kolve, Weldon, Omiecinski, Galvani
Carlstrom, Rummel, Giovan, Biegler, Frateschi, Omiecinski, Oberbeck, Sademan

WEARERS OF THE "A"

MAJOR "A" AWARDS

Baseball
W. G. Buehne
A. J. Evans
V. J. Galvani
S. M. Lillis
M. A. Lukas
G. J. Mayer
T. Omiecinski
V. Omiecinski
C. B. Sommer
R. F. Young

Basketball
G. Beemsterboer
H. Dollenmaier
J. Ilg
J. Laschober
A. Lauchiskis
M. L. Lukas
R. E. Pflum
L. G. Rummel
R. O. Warner

Track
E. L. Cordes
C. H. Fox
L. Frateschi
K. S. Hirsh
C. J. Jens
A. J. Kruezkamp
S. M. Lind
G. A. Nelson
A. W. Oberbeck
J. L. Roberts
E. E. Sademan
H. C. Setterberg

Swimming
R. W. Carlstrom
N. C. Giovan
I. A. Kolve

MINOR "A" AWARDS

Baseball
L. W. Biegler
G. M. Reed

Track
O. T. Barnett
J. B. Finnegan
D. E. Freer
M. J. Heller
H. S. Hendricks
A. J. Jungles
A. Kulpak
H. P. Richter
A. J. Rosen
J. T. Sorensen
A. Tiensuu

Swimming
J. J. Ahern
S. Bernstein
R. Knause
A. F. LaForce, Jr.
G. H. Reed

Tennis
R. D. Armsbury
S. B. Cone
E. F. McDonough
F. W. Paine
L. H. Streb

Golf
L. Davidson
S. Johannison
D. W. Pearson
W. J. Weldon

Boxing
J. Bacci
W. C. Behmer
W. C. Breh
J. L. Campione
L. J. McDonald
L. G. Marcus
J. P. Schavilje

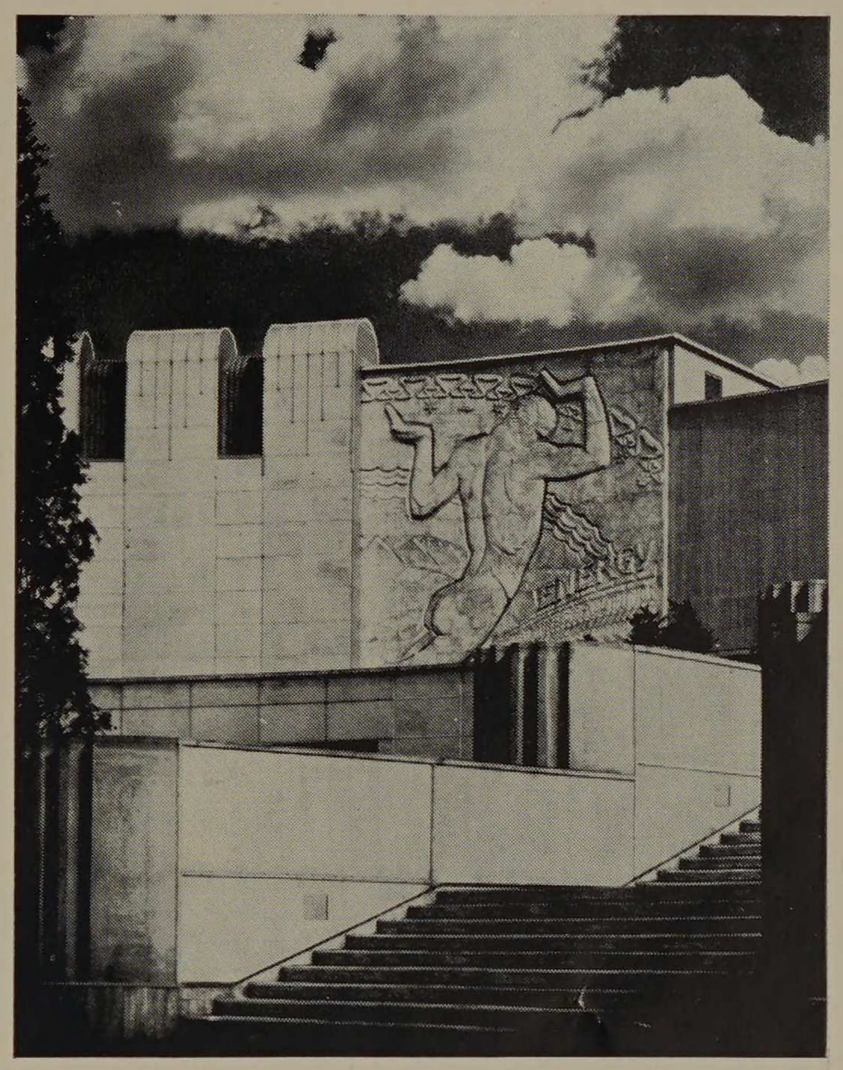
Wrestling
G. H. Bergquist
W. H. Larson
I. C. Perrill
R. W. Schmidt
H. Sumner
F. L. Talaber

MANAGER AWARDS

Harry P. Richter ..... Baseball
A. Edward Colcord ..... Track
Irving C. Johnson ..... Basketball
Jarl T. Sorensen ..... Swimming
Glen W. Schodde ..... Tennis
Walter M. Trauten, Jr. ..... Golf
Frank W. Koko ..... Boxing
Frank W. Koko ..... Wrestling

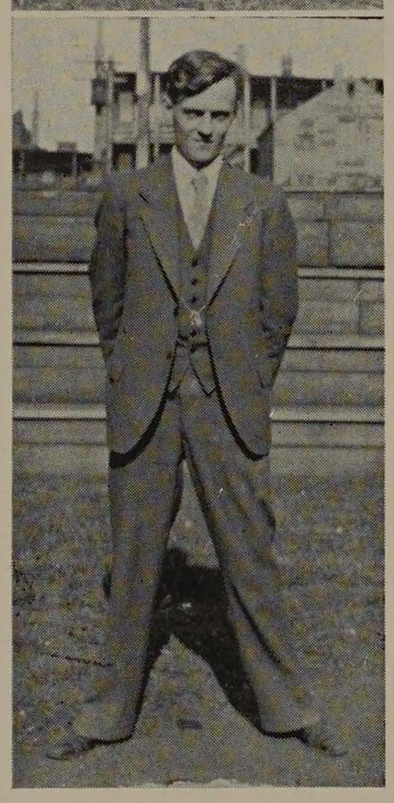
■

energy is the basis of all things, but when all said things are divided into groups or classes, each of these has its own dominant figure. in enjoyment and entertainment, baseball, our great national game, holds paramount position.



BASEBALL





BASEBALL, 1932

Under the able direction of Coach Krafft the Armour baseball team completed another successful season finishing in a triple tie for first place in the Northern Illinois Conference. In the play-off Tech lost a hard-fought thirteen-inning dual to Wheaton College by a score of 6 to 5, to tie for second in the league standings.

Although a total of sixty-five candidates reported for practice Coach Krafft found only three lettermen back around which to build a championship team.

On April 7, the first practice game of the season went to Armour, Chicago Normal falling by the wayside to the tune of 7 to 4. A six-run rally in the fourth inning eliminated all doubt as to the final outcome.

Crane, on April 12, played the Tech team to a 6 to 6 tie in a game replete with errors due, largely, to the inclement weather. Lukas starred at bat for the home team, collecting three of the six hits the Armour aggregation was able to muster.

Tech's stock in the league standings fell decidedly below par when, in the opener at Naperville, the following Saturday, North Central scored a 4 to 0 shutout. Of the five hits collected by Armour, Biegler, playing second, and Evans, in left field, both freshmen, banged out two hits apiece to lead the Tech attack. Buehne and Mayer turned in good pitching, but lack of support accounted for two of the four runs scored by Naperville.

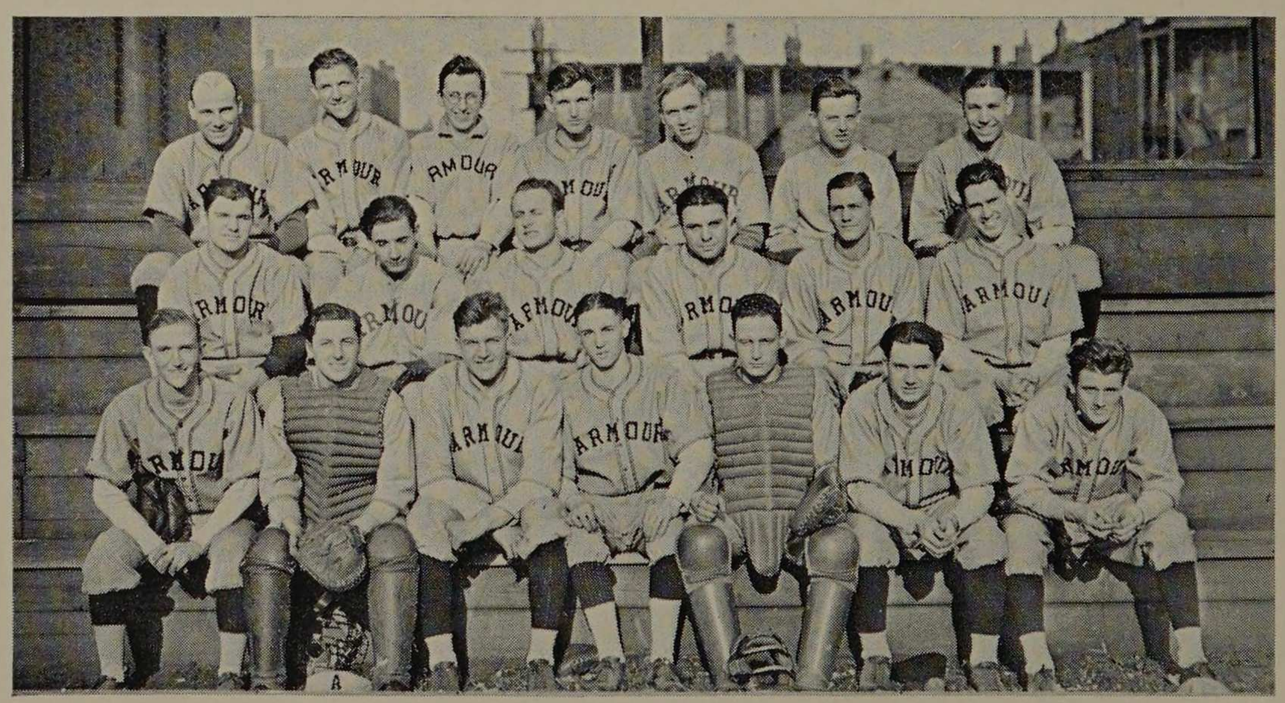
In the second consecutive league game away from home, on April 19, the Krafftsmen slugged out a 10 to 8 victory over Elmhurst. Tech opened up with a barrage of hits in the first inning,

WILLIAM C. KRAFFT

Coach Krafft again showed his coaching ability by developing a near championship team with a nucleus of only four veterans. He kept his men fired to a high pitch and the results were gratifying.

HARRY P. RICHTER

Harry Richter discharged very well the duties of the responsible position of manager. His readiness to assist at all times earned for him the esteem of the players and coach.



Krafft, V. Omiecinski, Levy, Lillis, Baumel, O'Connor, Stehno
Cosme, Machinis, Sommer, Galvani, Buehne, Lukas
Biegler, Young, T. Omiecinski, Reed, Evans, Morrelli, Mayer

William C. Krafft ..... Coach
Harry P. Richter ..... Manager
(No captain was elected)

notable among which was a home run by "Mickey" Lukas that cleared the bases to put the game in the bag. However, the slugging continued throughout the game with Armour displaying a better attack with runners on bases.

The Armour nine continued their heavy hitting to win their first league game at home, April 22, Wheaton being turned back by a score of 6 to 2. Buehne, Tech pitching ace, allowed only two hits.

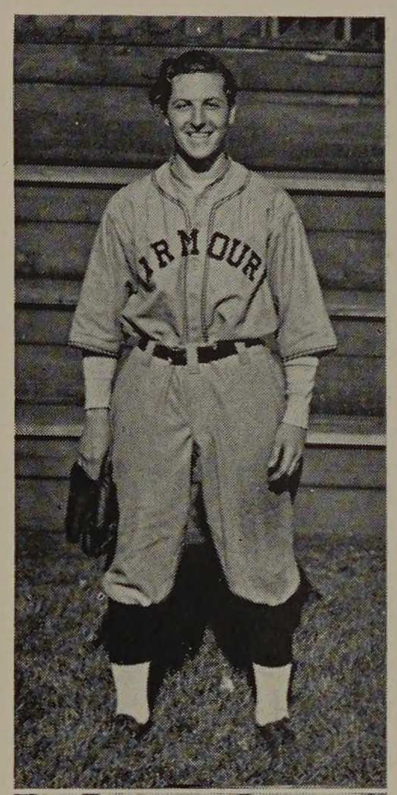
Wheaton scored a tally in the second inning on two errors and two walks. In the first half of the fifth inning Wheaton was stopped by a double play, Galvani to Vic Omiecinski to Tad Omiecinski.

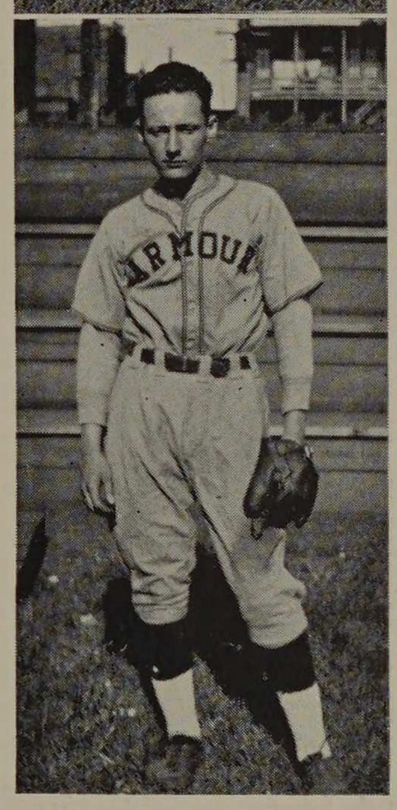
The Tech half opened with Buehne reaching first on an error. Evans singled, and both runners scored on another single by Vic.

Armour scored two more in the sixth, holding Wheaton hitless. Lillis singled, Sommer got to first on an error, and Buehne sacrificed. Evans then banged the ball over the short right field fence for a double, to clear the bases.

In the first of the eighth Buehne retired by way of strike out route all three men who faced him. Tech concluded her scoring in the last half by crossing the home plate twice.

Sommer singled and Buehne doubled for his second hit to put two men on base. The next two struck out but Vic Omiecinski doubled over the right field fence to score his teammates.







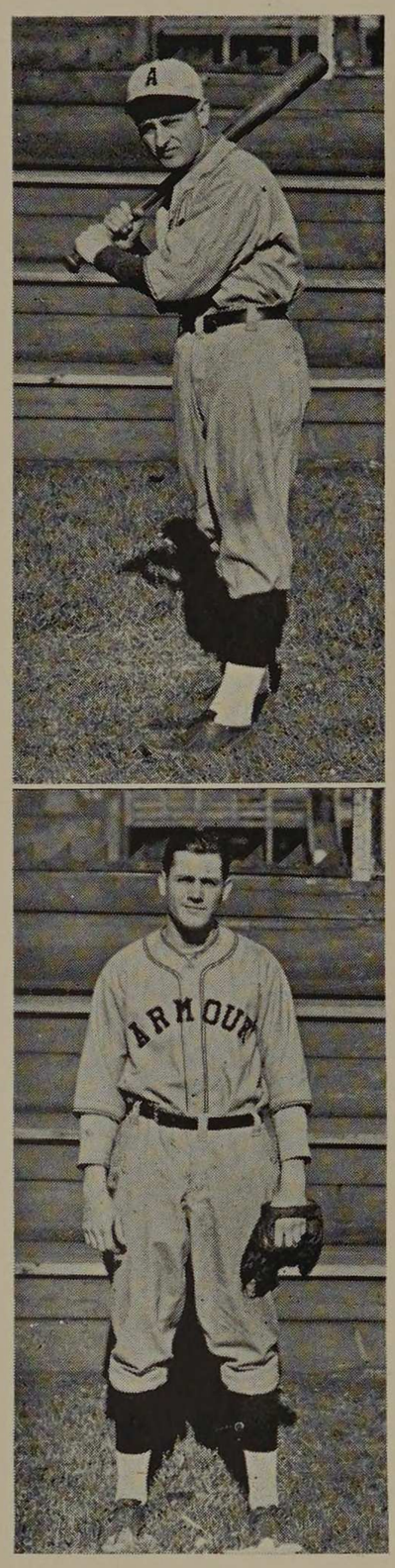
Plenty of time, Charlie

ROY F. YOUNG

Roy Young was the only senior on the Tech squad. Last season he was shifted from his former position behind the bat to the outfield. He was a consistant hitter, and the team lost a valuable player by his graduation.

ARCHIE J. EVANS

"Archie" Evans, a freshman, led the team in hitting with a mark of .355. Thus he was the only man on the team to receive a gold baseball for this accomplishment. His outfielding was as brilliant as his hitting.



A sensational double play from Biegler to Vic Omiecinski stopped a potential Wheaton rally in the ninth.

The following Monday, April 25, the Armour nine defeated the Alumni by a score of 10 to 9. "Chief" Stehno, '31, former Tech ace, allowed the varsity ten hits while striking out ten men. Sommer starred for the varsity, getting three hits, including a home run, out of four times at bat. Pepe, '31, did likewise for the Alumni.

Friday of the same week, North Central invaded Ogden Field, and again took the Tech scalp, this time by a score of 7 to 0. The whole game was played in a drizzling rain which may have accounted for the ragged pitching and fielding on the part of the Armour team.

The Naperville nine scored six runs in the fifth inning on three base hits, two bases on balls, and two errors. George Mayer pitched good ball but to no avail as the Tech siege guns were all clogged up with mud and water.

The team went to Ypsilanti over the week-end. Tech, after a long, hard struggle came out on the short end of a 1 to 0 score. Buehne again turned in a stellar game, allowing only three singles in the nine innings.

Charlie Sommers opened the game with a three-base swat, but his mates were unable to bring him home. This was the only chance either team had to score until the seventh, when a single, a walk, and a line single, scored the winning run for Michigan State Normal.

Armour tied for second place in the league standings, when on

CHARLES B. SOMMER

"Charley" Sommer was one of the most capable lead-off men and centerfielders Armour has ever had. Because of his natural leadership and likeable personality he was elected captain of the 1933 team.

WILLIS G. BUEHNE

"Bill" Buehne was the only veteran pitcher to return. He continued to live up to his established reputation by pitching brilliant ball. In all of his four years with the team he has proved a valuable man.



Not quite fast enough

May 4, the Tech nine journeyed to Mt. Morris and defeated them by a score of 4 to 1. Mayer pitched an excellent game allowing only six hits, well scattered.

In the third inning Armour scored the first tally on hits by Mayer, Evans, and Lukas. Tad Omiecinski scored another run in the sixth when he singled, stole second, and came home on Lillis' second hit of the game.

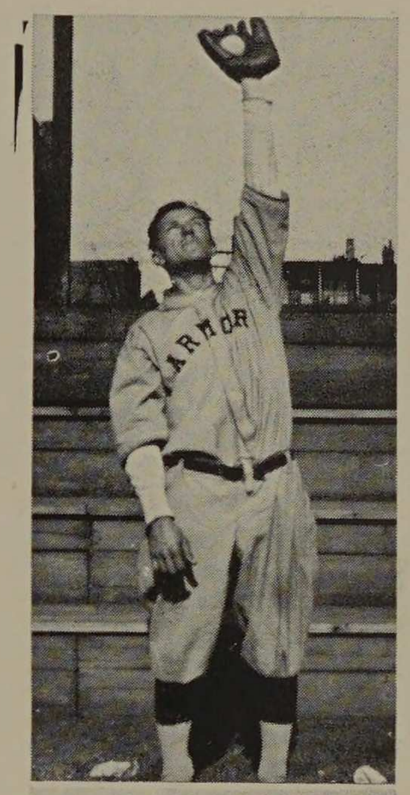
Both teams registered one run apiece in the seventh inning to conclude the scoring. In the first half Sommer singled, stole second, and scored on Evans' second single. Mt. Morris scored on a triple by Cassioppe and a single by Daugenbaugh.

During Junior Week the Armour nine played two home games, the first with the traditional rivals, Lake Forest, which they won to the tune of 6 to 2, and the second with Michigan State Normal, which they lost 9 to 7.

The Tech nine displayed excellent ability with the bat in the Lake Forest encounter on Wednesday, May 11. Evans starred at bat with three hits, one a home run. Buehne again pitched an excellent game.

In the encounter with Michigan State Normal the following day, Ypsilanti scored one run in the second, two in the third, and three in the fourth to take an impressive lead. Although the Tech nine rallied in the late innings the lead was too large to overcome.

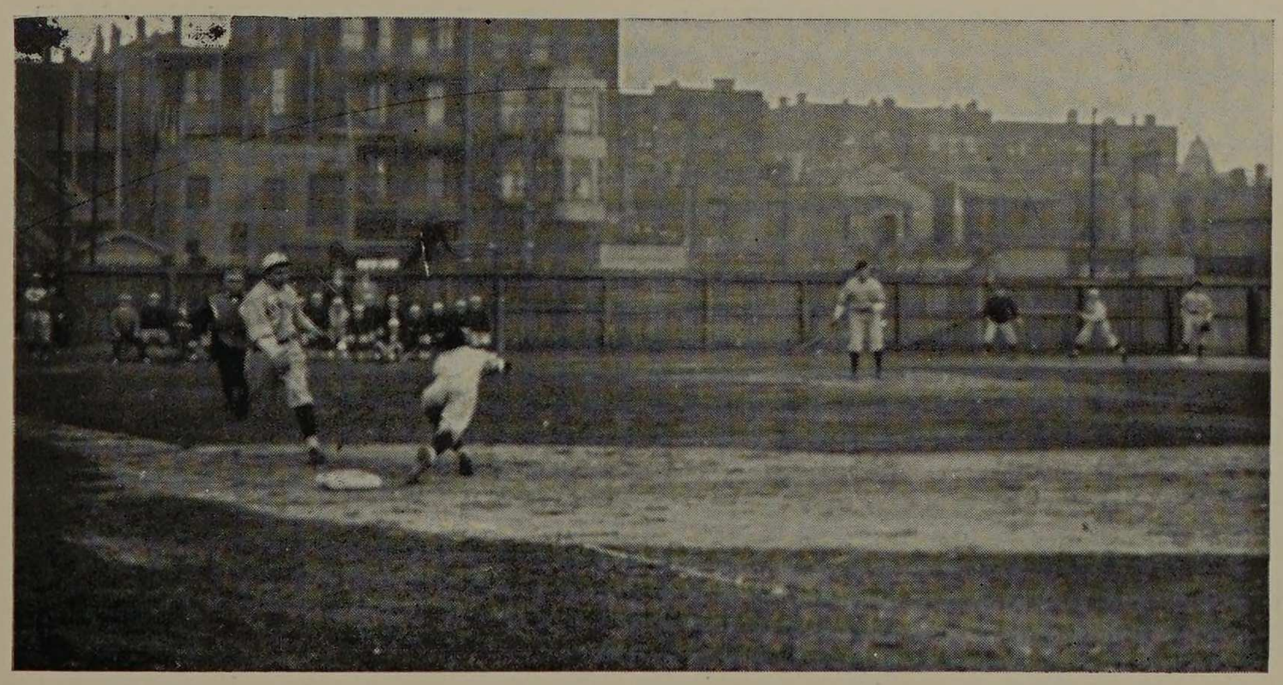
On May 17, Mt. Morris upset the dope when they defeated the Tech team by a score of 9 to 2. Armour collected only six hits while Mt. Morris swatted out fourteen, also taking advantage of seven Tech errors.





VICTOR OMIECINSKI

"Vic" Omiecinski again played a bang-up game at short. Although his batting average was lower than that of the previous year, he still was the best hitter on the team in a pinch.



Close — but he's safe

STEPHEN LILLIS

"Steve" Lillis was the guardian of the "hot" corner, third base. His good hitting and fine throwing arm helped Tech in the fight for the league championship.





Armour continued in her losing ways, when on the following Friday, Elmhurst easily won over the Krafftsmen by a score of 8 to 1. Fifteen strikeouts were all that the Tech team could show for the afternoon. The run that they did score came in the seventh inning when Young reached first on a pass, stole second, took third on an error, and then scored on a fly to right field.

The next afternoon they went to Wheaton to engage the league leaders on their home ground. Armour showing a complete reversal of form over the last two games, came home with a 5 to 3 victory, which again gave them a fighting chance to tie in the league standings. Buehne returning to form pitched a stellar game allowing only four hits while striking out eleven of the league leaders. Earlier in the season he had allowed the same team only two hits.

Tech scored two runs in the fourth, two in the fifth, and concluded the scoring in the sixth with one tally. Wheaton scored an unearned run in the third, and wound up the scoring in the ninth in a two-run rally.

By defeating Lake Forest on May 25, in a play-off of a postponed game, Tech finished the 1932 season in a triple tie for first place in the Northern Intercollegiate Conference. The final score of the Lake Forest game played at Lake Forest was a 2 to 1 victory.

As has already been stated, the play off on Memorial Day gave Wheaton the right to meet Mt. Morris. Although the Armour nine had already defeated Wheaton twice, the crucial game was lost in a terrific thirteen-inning duel, 6 to 5.

TAD OMIECINSKI

Tad Omiecinski, big first baseman, was another newcomer to the Tech squad. He was a dangerous slugger at all times, and could always be counted upon to play a good game at his position.

GEORGE MAYER

"Lefty" Mayer pitched brilliantly during his first year in an Armour uniform. With added experience, he is sure to take a place among the great left handers who have made Armour history.



A Double Play for Armour

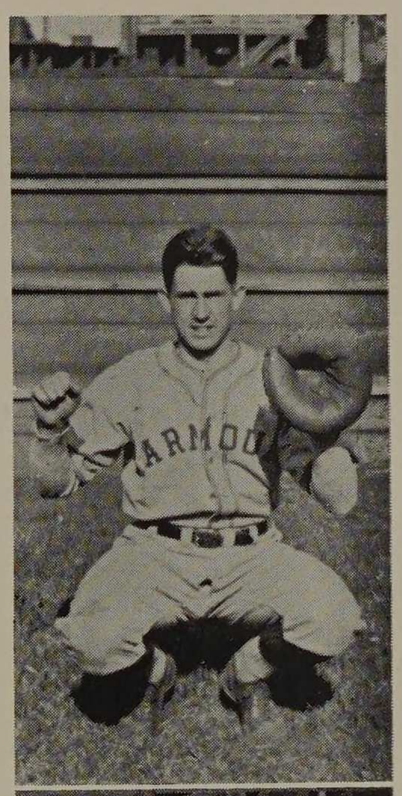
1932 BASEBALL SCHEDULE

April 7—Armour 7, Chicago Normal College 4, at Armour.
April 12—Armour 6, Crane College 6, at Armour.
April 16—North Central College 4, Armour 0, at Naperville, Ill.
April 19—Armour 10, Elmhurst 8, at Elmhurst, Ill.
April 22—Wheaton 6, Armour 2, at Armour.
April 25—Armour 10, Alumni 8, at Armour.
April 29—North Central 7, Armour 0, at Armour.
April 30—Michigan State Normal 1, Armour 0, at Ypsilanti, Mich.
May 6—Armour 4, Mt. Morris 1, at Mt. Morris, Ill.
May 11—Armour 6, Lake Forest 2, at Armour.
May 12—Michigan State Normal 9, Armour 7, at Armour.
May 17—Mt. Morris 9, Armour 2, at Armour.
May 20—Elmhurst 8, Armour 1, at Armour.
May 21—Armour 5, Wheaton 3, at Armour.
May 25—Armour 2, Lake Forest 1, at Lake Forest.
May 30—Play off for League Championship.

Wheaton 6, Armour 5 (13 innings)

SUMMARY

Won 7	Lost 8	Tied 1
Reed	Stehno	Biegler







MICHAEL A. LUKAS

"Mickey" Lukas was the man behind the mask in practically all of the Tech games. He was an excellent long distance hitter as attested by the number of extra base hits chalked to his credit.

VINCENT GALVANI

"Gal" Galvani played second base for the Krafftsmen throughout the greater part of the season. As the second batter in the lineup he developed an uncanny skill of sacrificing the runners on base.

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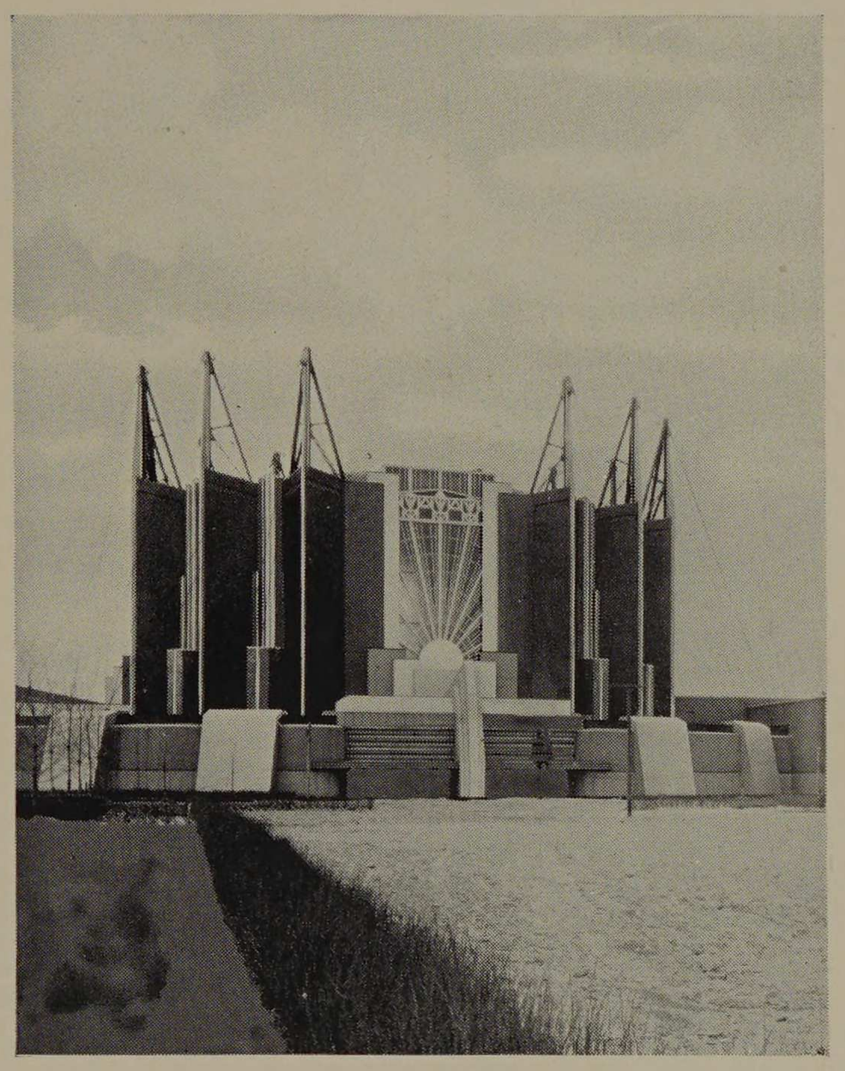
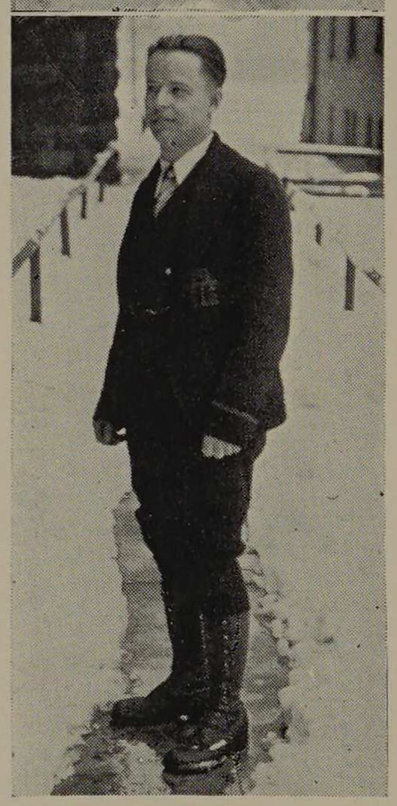
despite the great advances made in the methods and speed of travel during the many centuries of history, man still retains the strength and usefulness of his legs. should all othermeansfail, he can take to the path.



TRACK





ALONZO A. STAGG, JR.

Coach "Lonnie" Stagg developed another excellent track team for the 1932 season despite the handicap of injuries to several of his stars. He did much toward making the Armour Tech Relays the greatest indoor track event in the middle west.

A. EDWARD COLCORD

Manager Colcord very ably handled the affairs of the track team. He scheduled five indoor and four outdoor meets. He was assisted by Maurice J. Erisman who was appointed manager for 1933.

INDOOR TRACK, 1932

The indoor track season of 1932 proved to be one of the most successful in recent years as the Armour aggregation won four indoor meets while losing only one. They also made an excellent showing in the Armour Tech Relays, the largest indoor track event held during the season in the Middle West, and the C.A.A.U. meet.

A successful season was indicated from the day Coach A. A. Stagg, Jr., made his first call for candidates. The turnout was the largest in the team's history. Most of the veterans of the 1931 season returned, including Capt. C. Jens, Nelson, Sademan, Fox, Hirsch, Richter, Cordes, and Setterberg.

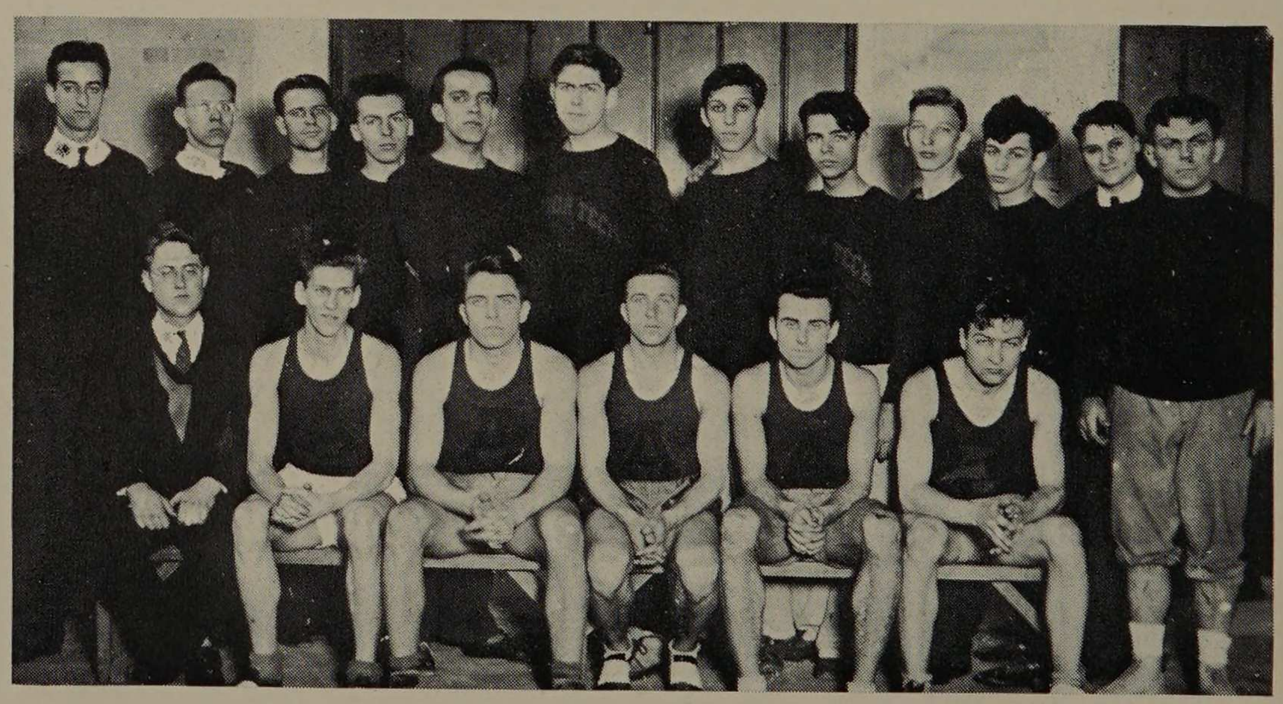
The first meet of the year was held on February 13, La Grange furnishing the opposition. Armour won by a one point margin, 46 to 45. Nelson, with 26¼ points, starred for Tech.

Armour won her second meet of the season when, on February 20, she met and defeated both La Grange and the University of Chicago B team in a triangular meet. Nelson again was the outstanding star while Sademan, Lind, and Capt. Jens also turned in excellent performances.

The following week Sears Y.M.C.A. fell victim to the Tech squad to the tune of 42 to 23.

Coach Stagg's men met their first defeat when they engaged the strong North Central team on March 5. The Naperville boys ran away from the visiting engineers, 62 to 41½.

The busiest week of the entire season was the final week of indoor competition. In the short space of five days the tracksters



Kuehn, Schriener, Callen, Malloy, Kulpak, Hansen, Concolino, Fleissner, Fleig, Hoyer, Stagg
Erisman, G. Nelson, Roberts, Sademan, Oberbeck, Kreuzkamp

Alonzo A. Stagg, Jr. . . . . Coach
Charles J. Jens, Jr. . . . . Captain
A. Edward Colcord . . . . . Manager

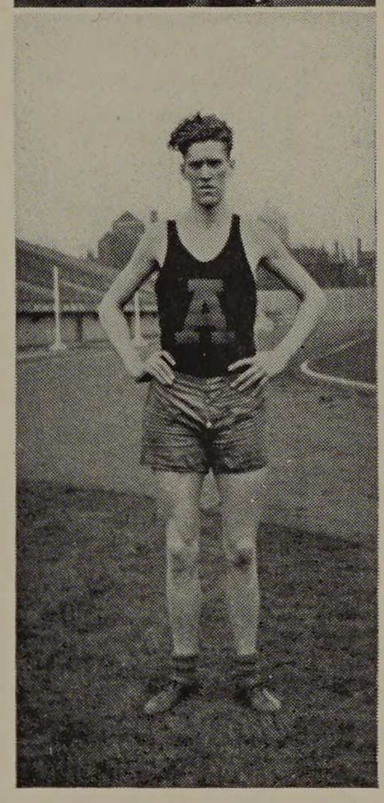
competed in three meets. The first of the three was a dual meet with Crane Junior College, on March 29. The Tech team emerged victorious by a score of 54 to 50.

On the following evening Armour entered the 34th Annual Central A. A. U. indoor track and field championships. Although competing against some of the speediest talent Tech's medley relay team, composed of Roberts, Hirsch, Lind, and Sademan, won second place in the 1⅞-mile event, while Capt. Jens took third in the shot put.

Over twenty-six universities and colleges throughout the Middle West were represented in the Armour Invitational Relays held at the new University of Chicago fieldhouse on April 2. Over 3,000 track enthusiasts saw more than 200 athletes in record-breaking performances, the only Invitational record to weather the onslaught being the shot put mark, established by Capt. Don Paul of Armour in 1930.

Armour Tech scored two third places in the relays, and Capt. Jens and Frateschi placed third and fourth in the shot put, respectively. The 880-yard relay team was composed of Hirsch, Kreuzkamp, Jens, and Sademan, while Lind, Hirsch, Roberts, and Sademan ran the college two-mile event. Indiana University, Big Ten Conference champions, easily took first place in the university events by piling up a total of five firsts out of a possible thirteen for a total of 38 points. The Relays marked the end of the 1932 indoor season.





CHARLES J. LENS

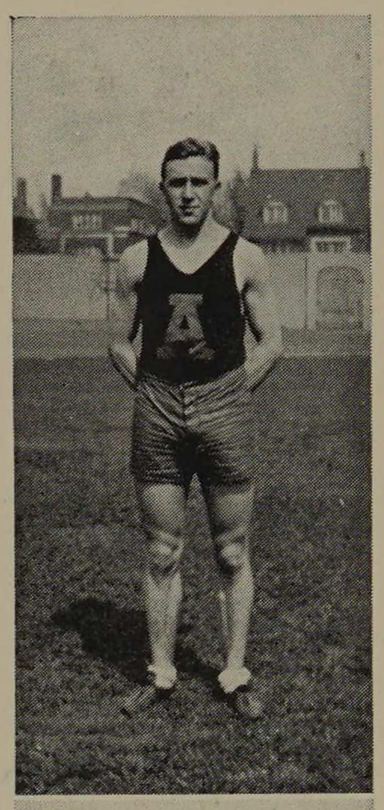
Captain "Charley" Jens led the Armour track team through the 1932 season. His excellent work in the relay events and his long distance tosses of the shot put will be sorely missed in future campaigns.

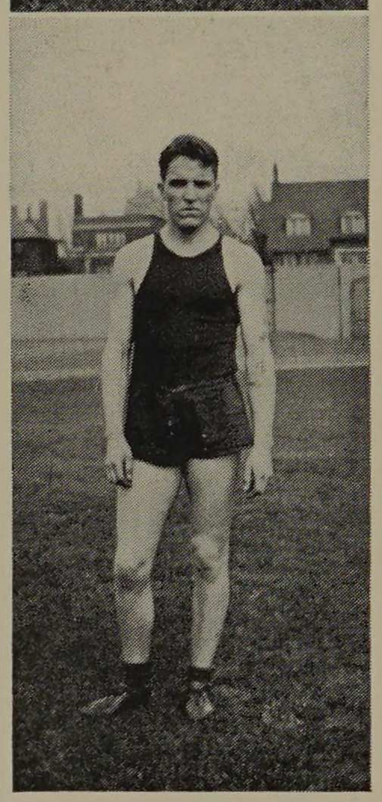
GEORGE A. NELSON

Nelson is unquestionably one of the greatest track stars ever to represent Tech. In four of the indoor meets he piled up 76½ points almost one-third of the total scored. He has set eight indoor and two outdoor school records in his two years of competition.



Armour Invitational Relays





OUTDOOR TRACK, 1932

Armour's outdoor track season opened auspiciously, when on April 26, Tech defeated a strong Y.M.C.A. College team by a point score of 80 to 51 at Ogden Field. Armour men won ten out of a possible fifteen first places. Injuries which handicapped the team throughout the season first became felt in this meet, when George Nelson, '34, who was the individual high scorer of the whole squad the previous year was unable to compete. During the meet, Captain Jens, '32, tore the ligaments in his knee and was lost to the team for the remainder of the season.

Tech defeated Lake Forest, but lost to Milwaukee State in a double dual meet held the following Saturday, April 30, at Ogden Field. Armour took eight out of a possible fourteen first places to triumph over Lake Forest by a score of 69 to 57, but Milwaukee State, under the leadership of their great star, Gerboth, won 96 to 29. Sademan and Roberts were the individual stars for Armour.

The annual triangular meet between Armour, Milwaukee State, and Y.M.C.A. college was held at Stagg Field, May 7. The Milwaukee team amassed a grand total of 97½ points to win the meet. Armour finished second with a total of 51 points and "Y" College scored but 14½ points to finish last. Nelson, back in his old form again, placed first in the high hurdles and the broad jump and took second place in the low hurdles and in the high jump.

Elmer Sademan won the 440 yard dash as usual. Other tracksters who added to the Tech total were "Johnny" Roberts, who

ELMER E. SADEMAN

"Sade's" excellent performance in the 100, 220, and 440 dashes, and in the longer distances earned for him second place in the scoring honors and the captaincy of the 1933 team. He also holds three Tech indoor records.

JOHN L. ROBERTS

"Johnny" scored a total of 51 points to place third in the scoring honors on the Tech team. His exceptionally fine work during the outdoor season made many of the Armour victories possible.



Push 'em up Charlie

placed second in the 110 yd. high hurdles and tied for third in the pole vault, and Stanley Lind who won his specialty, the half mile run.

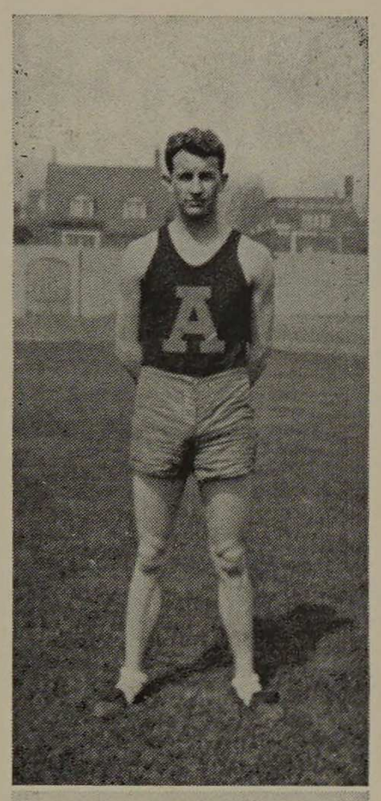
A dual track meet with Bradley Tech at Peoria, May 14, concluded the outdoor season for Armour. The one-sided score, 36 to 90, piled up by the Bradley tracksters, was partly due to the absence because of injuries of five of the Armour track stars and partly due to the Bradley one-man team, Redd, who scored a total of 29 points.

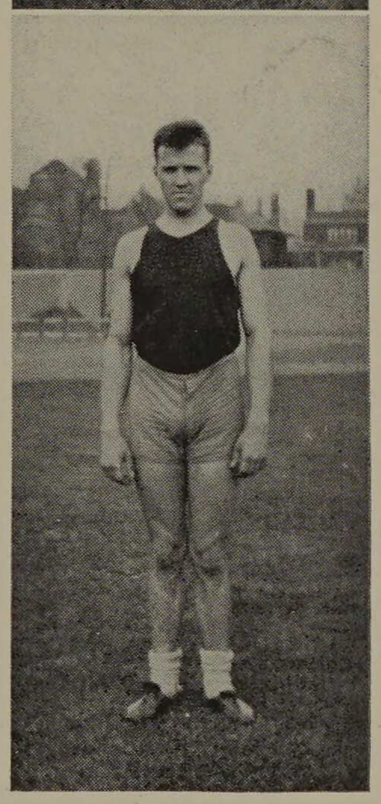
Two Armour Tech seniors, competing in their last meet, established new school records in their respective specialties. Stanley Lind won the 880-yard run in a record time of 2:00.9; and Emmet Cordes, established a new school record for the javelin throw when he hurled the spear 157 feet, 10 inches.

Immediately after the Bradley meet, Elmer Sademan, '33, was elected captain of the Armour track team for the 1933 season. Sademan was high point man for the outdoor season just closed, having compiled a total of 41 points.

Co-starring with Sademan for the outdoor season honors were John Roberts, '35, with a point total of 40½, Stanley Lind, '32, with 26¼, and George Nelson, '34, with 22 points.

Members of the 1932 track team, under the able direction of Alonzo A. Stagg, Jr., deserve credit for the way they carried out their work against the odds that constantly faced them.







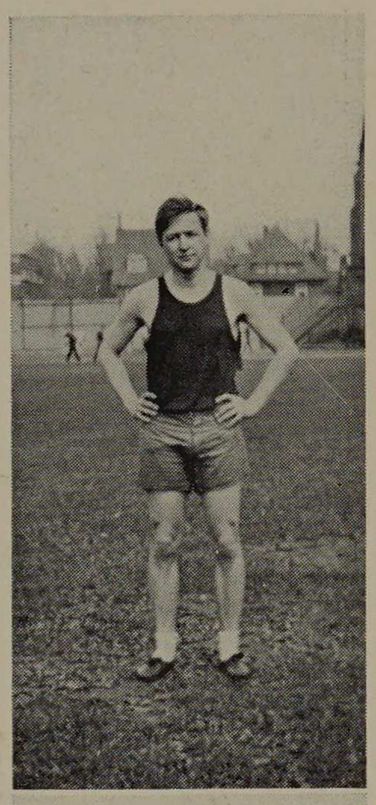
Petersen, Kercher, Babcock, Erisman
Jungels, Jones, Hendricks, Freer, Finnegan, Korrell, Kreuzkamp, Helmick, Richter, Heller, Kulpak, Rosen, Stagg
Mueller, Frateschi, Setterberg, Roberts, Hirsch, Jens, G. Nelson, Tiensuu, Sademan, Lind, Fox

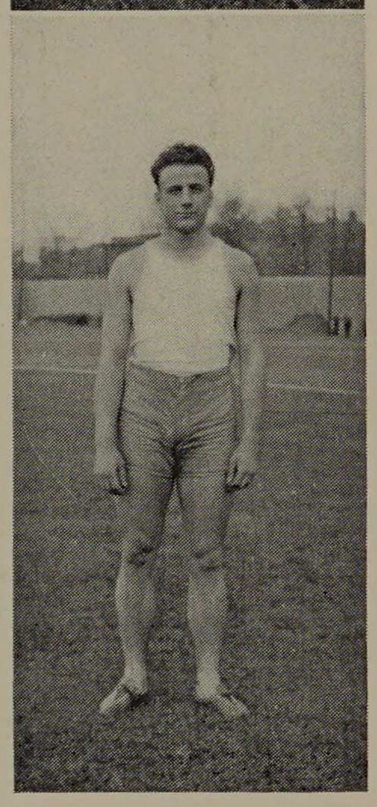
STANLEY M. LIND

"Stan," competing under Tech colors for the last time, in the meet against Bradley, established a new Armour record in the 880-yard run, to complete in a fitting manner his numerous athletic activities for Armour.

HAROLD L. FOX

The 1932 season was also the last for Fox. This able dash man consistently garnered points for Armour in the 100 and the 220 yard dashes. His work will be greatly missed in the 1933 track season.





AUGUST J. KREUZKAMP

"Gus" is an exceptionally capable dash man and in this capacity he became outstanding. He is one of those men who are generally counted upon without question.

LAWRENCE FRATESCHI

Frateschi earned his major letter for track mainly because of his excellent work in putting the shot. He will be with the team for another two seasons and is likely to seriously threaten the school shot put record.

INDOOR TRACK SCHEDULE, 1932

February 13—Armour 46, La Grange 45, at Bartlett Gymnasium

February 20—Armour 57½, La Grange 43½, University of Chicago B 22, at Bartlett Gymnasium

February 27—Armour 42 3/5, Sears Y.M.C.A. 25 2/5, at Sears Roebuck Y.M.C.A.

March 5—North Central 62, Armour 41½, at Naperville.

March 29—Armour 54, Crane Junior College 50, at University of Chicago fieldhouse.

March 30—Central Athletic Association Union track and field championships at 124th Field Artillery Armory.

April 2—Fourth Annual Armour Indoor Invitational Relays—Indiana University 38, Chicago 23, Illinois State 19, Michigan State 12, Butler 11, Northwestern 11, Purdue 9½, Notre Dame 8, Armour 7, Monmouth 7, Loyola 7, Lake Forest 5, Elmhurst 5, Bradley 2, De Paul 1½, Wisconsin 1.

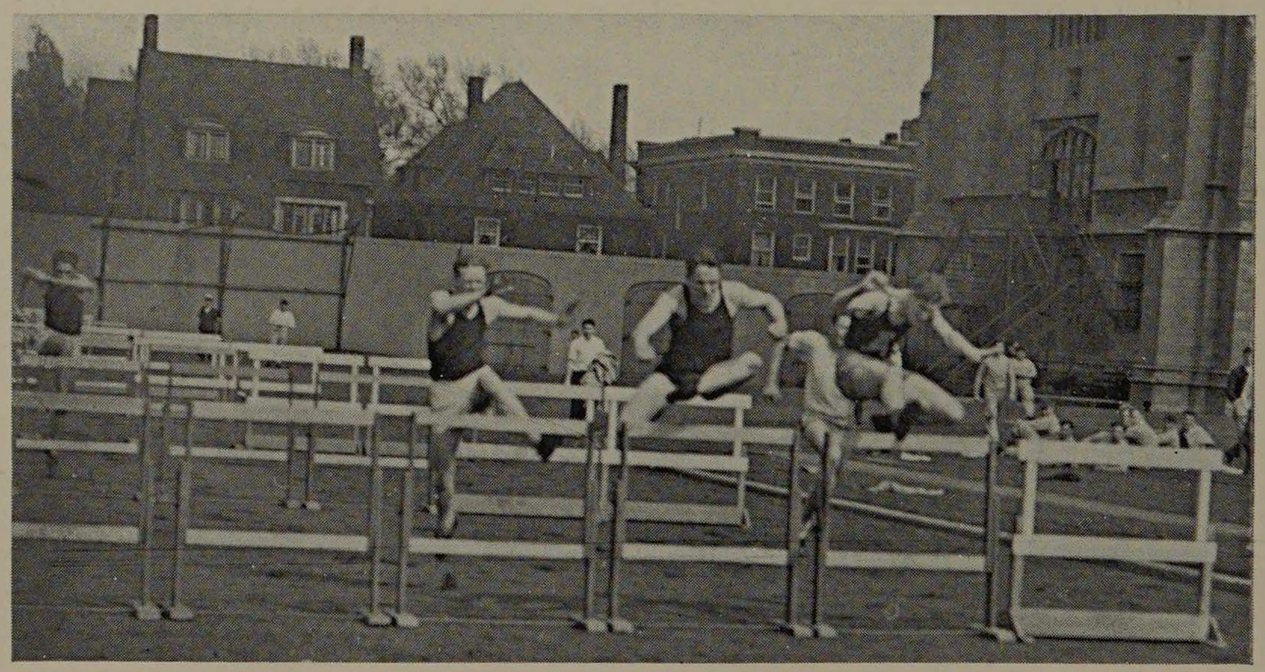
OUTDOOR TRACK SCHEDULE, 1932

April 26—Armour 80, Y.M.C.A. College 51, at Ogden Field.

April 30—Armour 69, Lake Forest 57, at Ogden Field,
Milwaukee State 96, Armour 29, at Ogden Field.

May 7—Milwaukee State 97½, Armour 51,
Lake Forest 14½, at Stagg Field.

May 14—Bradley Tech 90, Armour 36, at Peoria.

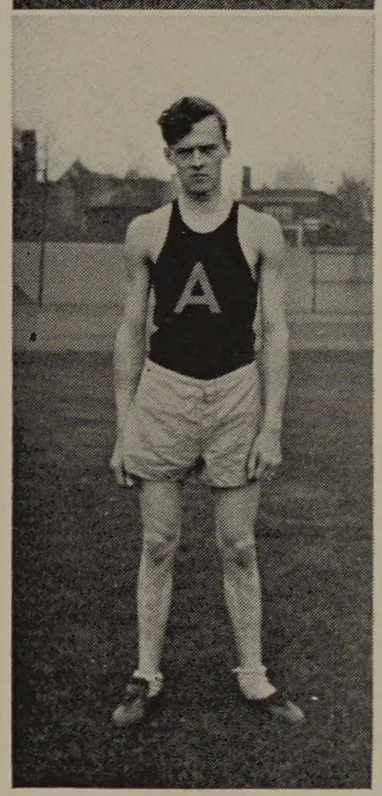


Not a dot on the ground

1932 TRACK STANDINGS

	Total Indoor	Total Outdoor	Grand Total
Nelson	76½	22	98½
Sademan	24	41	65
Roberts	10¼	40½	50¾
Lind	17¼	26¾	43½
Jens	32	5	37
Fox	8 4/5	20	28 4/5
Kruezkamp	6½	17¾	24¼
Frateschi	8	14	22
Tiensuu	14	8	22
Hirsch	14¼	7	21¼
Richter	7	6	13
Cordes	..	13	13
Setterberg	2 3/10	10	12 3/10
Rosen	1	9	10
Winogrond	9	..	9
Kulpak	..	9	9
Jungels	..	8	8
Jones	..	7	7
Helmick	6¼	..	6¼
Hendricks	6	..	6
Freer	5	1	6
Heller	5	1	6
Finnegan	1	2	3
Peterson	..	3	3
Van Dyke	1½	1	2½
Mueller	..	1	1
Barnett	1	..	1
Kercher	1	..	1
Totals	258 3/5	272½	531 1/10







Everyone on his toes

KENNETH S. HIRSCH

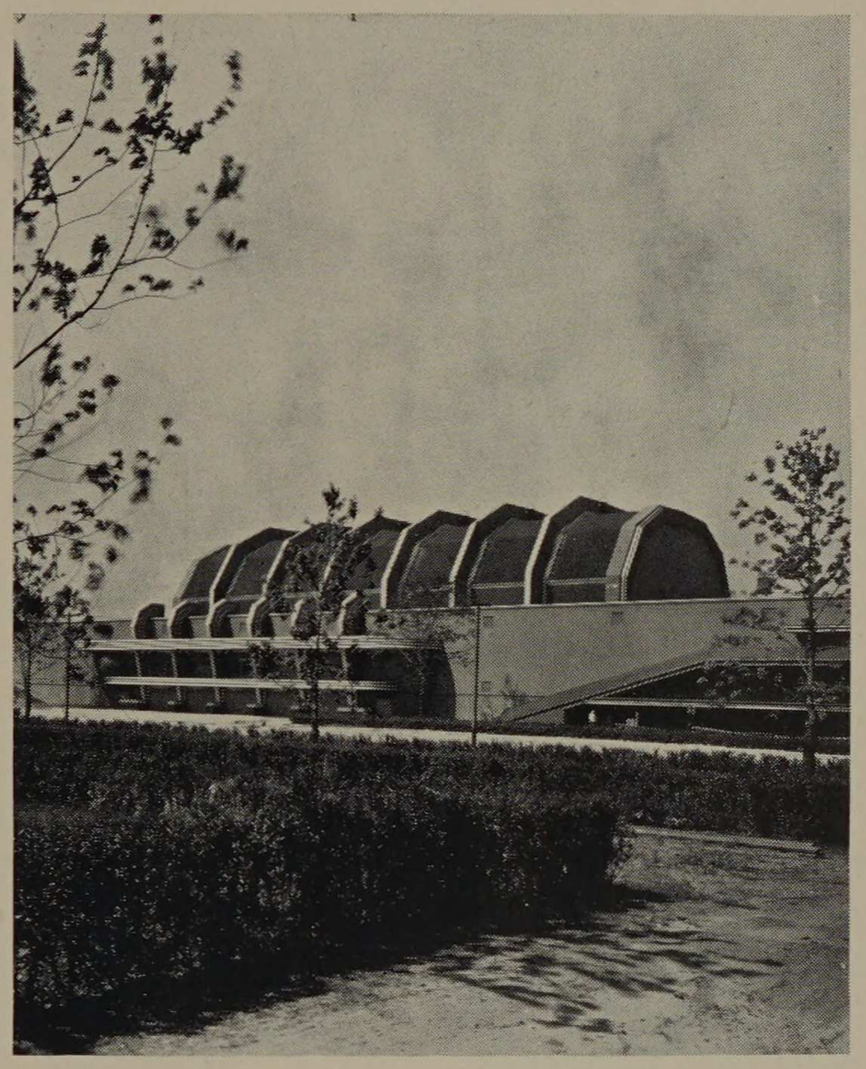
Hirsch was another senior competing under Tech colors for his last season. His first-rate work in the 220 and 440 yard runs, and in the relay were of great importance to their outcome.

HARRY P. RICHTER

Richter scored his points for Armour in the long distance runs — the mile and two mile. His graduation also left a gap difficult of refilling.

■

in this age, more than ever before, transportation must be speedy, entertainment must be lively, and sport must have greater concentrated activity. for strenuous compact competition there is no more typical game than basketball.



BASKETBALL





BASKETBALL, 1933

Tech, facing a tough basketball schedule with only two lettermen back, completely upset the dope by winning nine out of the fifteen games scheduled and in so doing piled up a total of 530 points, a record that has not been equaled in the last nine years.

Because of the illness of Coach Krafft the Armour five this year was under the able direction of Otto Kuehn, a former Tech basketball star.

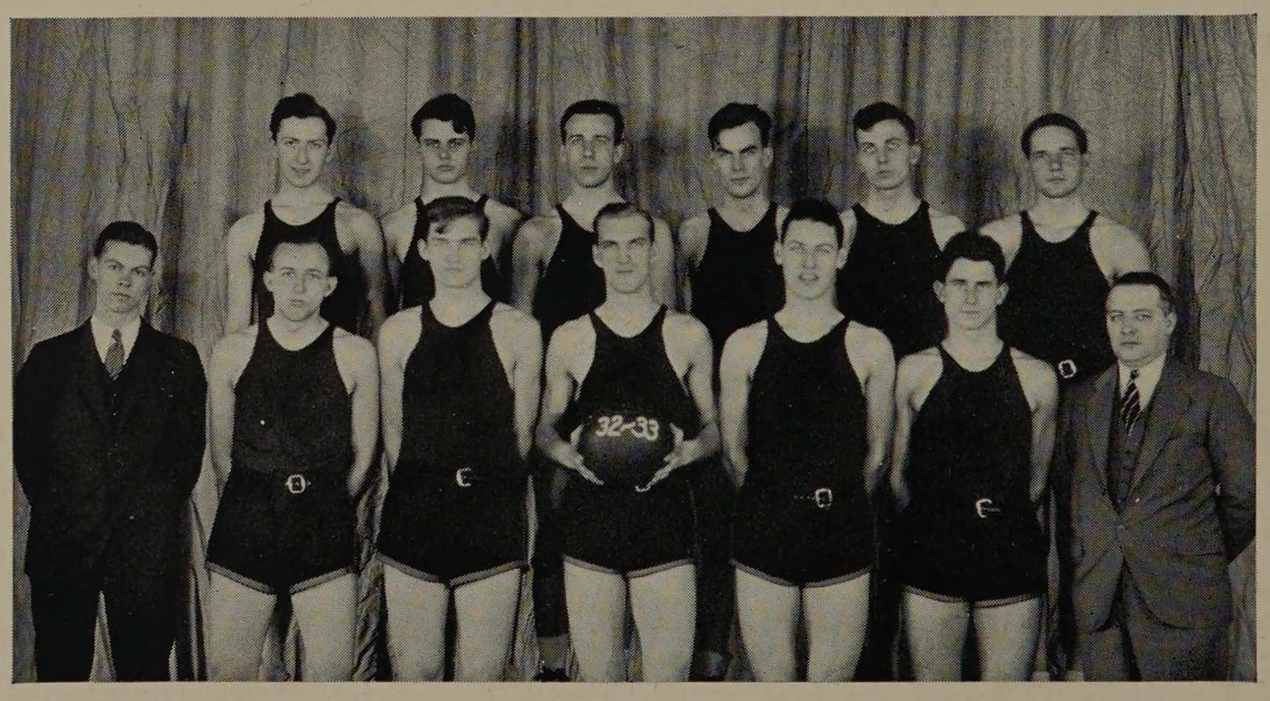
About forty prospective basketball men answered the first call for practice early in November. Of the forty, only three men had been on the squad the previous season, Captain G. Beemsterboer, L. G. Rummel, and M. A. Lukas. After two weeks of conditioning the squad was cut in half, and serious work was begun in preparation for the rapidly approaching games. Coach Kuehn was forced to experiment with various combinations well into the season in order to find the maximum available scoring power made even more necessary by the new "ten-second rule".

Armour opened her 1932-1933 basketball season, when Tech defeated the University of Chicago in a practice tilt December 7th by a score of 27 to 23. After a nervous start the Armour five ran the Maroon regulars off their feet to score the first triumph.

The following Saturday Tech engaged the strong North Central team at Naperville. After taking a 17-8 lead at the end of the first half Armour permitted the Naperville five to rally and take a four point lead with only four minutes to go. North Central won

OTTO KUEHN
Coach Kuehn deserves the major credit for one of the most successful seasons Tech has experienced in the last nine years. His feat is all the more noteworthy in that out of eight letters awarded six were to first season men.

IRVING C. JOHNSON
Manager Johnson's efficient handling of his duties was of great help to the coach and to the team in general. He scheduled some of the toughest teams in the Chicago area as well as such teams as Michigan State Normal and Detroit University.



Levy, Dollenmaier, Pflum, Warner, Peterson, Rummel
Johnson, Laschober, Lauchiskis, Beemsterboer, Hagenauer, Lukas, Kuehn

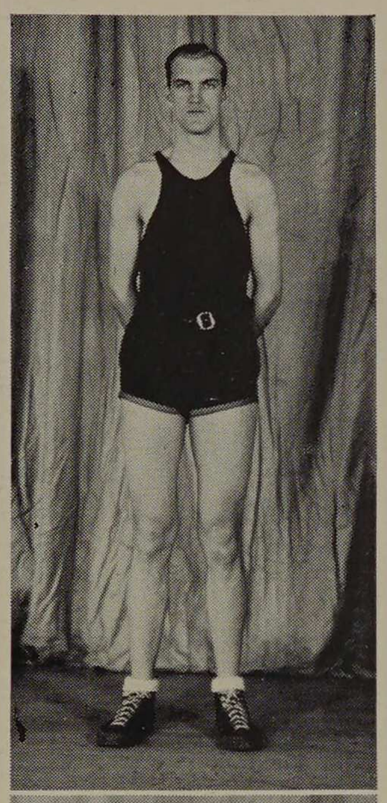
William C. Krafft ..... Coach
George J. Beemsterboer ..... Captain
Irving C. Johnson ..... Manager
Harold W. A. Davidson ..... Asst. Manager

after a hectic struggle by a score of 28 to 26. Pflum at guard and Warner at forward collected 17 of the 28 points scored by Tech.

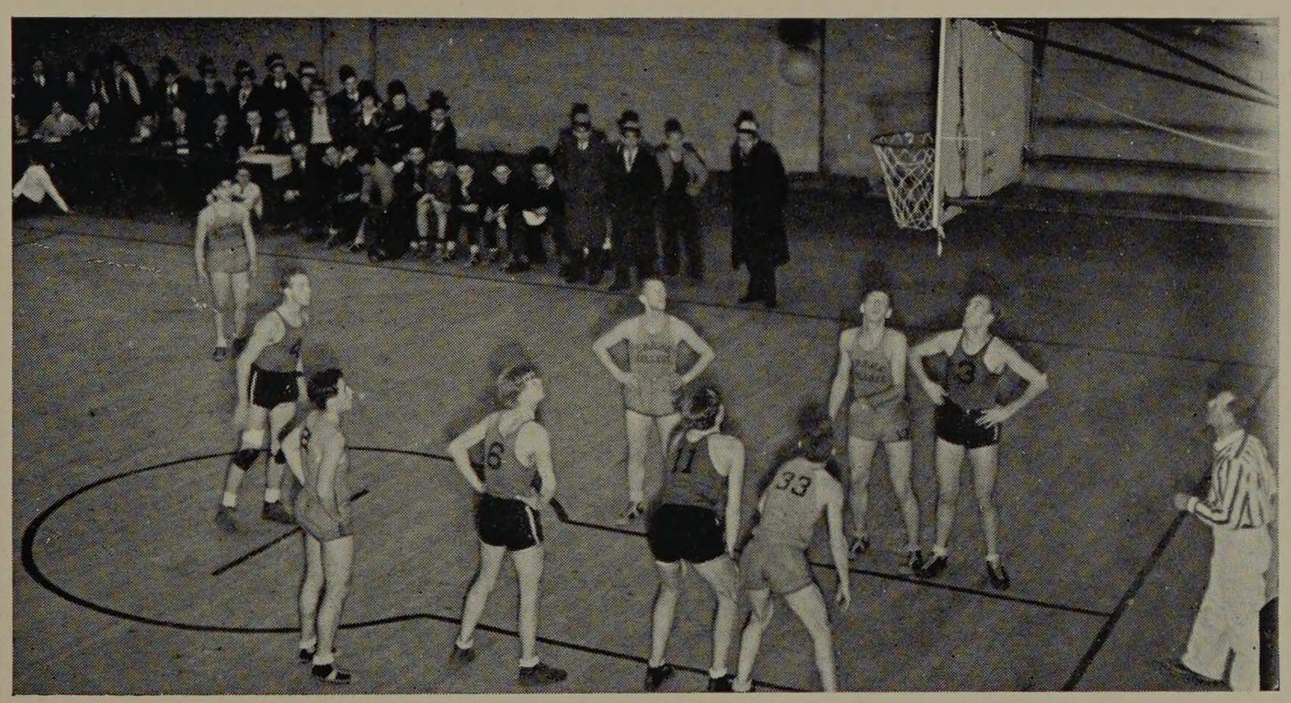
Coach Kuehn's basketeers ran wild over a supposedly strong "Y" College quintet when they defeated them by a score of 55-32, Tuesday, December 13. Y's defense could not cope with the Tech sharpshooters as witnessed by the 23 points scored by Capt. Beemsterboer and the 17 by Ray Pflum.

While the Tech aggregation was still thinking about that victory, the Crane Tiger tore in with a 38 to 30 victory, and North Central accomplished what no other team could do, by scoring a second victory over the engineers, this time to the tune of 29-23. Armour completed a disastrous home stay by defeating Alumni to the tune of 47 to 27. Al Lauchiskis led the varsity by sinking six baskets and four free throws. Al now began to justify Coach Kuehn's faith in him by rapidly becoming the individual high scorer of the team so that, at the end of the season, he had a total of 140 points to his credit.

On Thursday, January 19th, Armour invaded Wheaton, but after holding their own in the first half, succumbed before a Wheaton onslought in the second half 46 to 36. Tech's forward wall composed of Dollenmaier, Beemsterboer, and Lauchiskis were the leaders in scoring with Pflum performing a superb job at guard, assisted by Warner and Lukas.







Another point for Pflum

GEORGE BEEMSTERBOER

Beemsterboer, a veteran of three seasons, successfully captained the 1932-1933 basketball team. "Beem" supplied the steadying power to an inexperienced team. While outjumping most of the opposition at center, he also scored a total of 124 points for the season.

RAYMOND PFLUM

Pflum starred both in the guard and forward positions. He supplied the fight and spirit that carried the team on to five brilliant victories. Because of his excellent qualities as a player and leader, Ray was unanimously elected captain for the next season.

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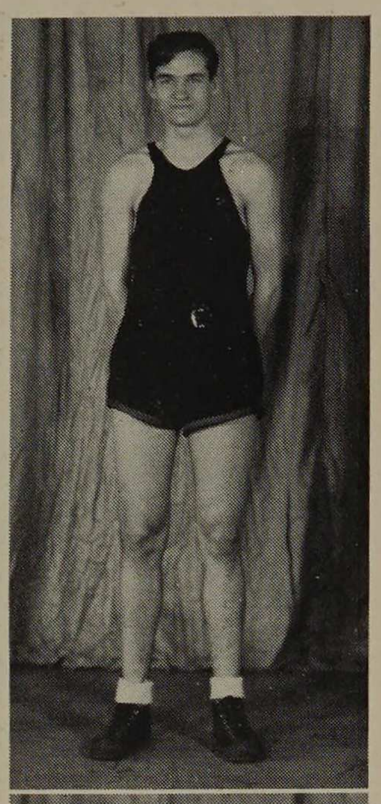
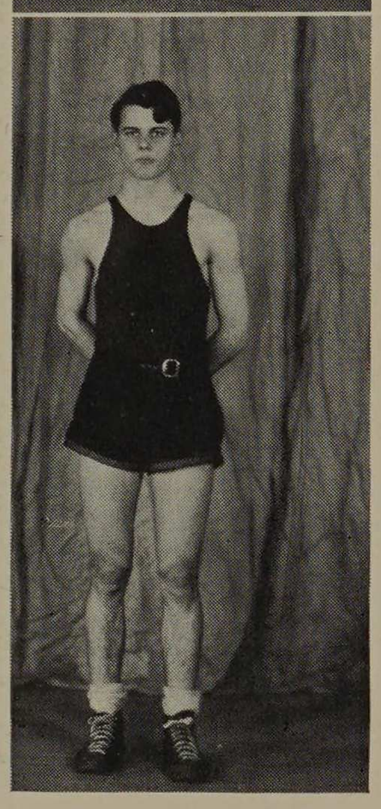




Saturday of the same week Armour returned to the win column by again trouncing "Y" College on their home floor, this time by a score of 38 to 35. Although the score was tied at the half 22 all, Tech took the lead immediately upon the resumption of the game in the second half and was never headed.

Michigan was invaded between semesters, the Tech cagers visiting Michigan State Normal and Detroit University. Michigan State with victories over the University of Michigan, Loyola U. of Chicago, and other strong teams from the Middle West were in no receptive mood and administered a sound 40 to 24 lesson. The lesson was well learned as shown by later developments. The following evening, February 4th, Tech took on Detroit U. and after a terrific struggle came out on the short end of a 38 to 33 score.

Wheaton College reached snowbound Chicago in time for the scheduled return engagement on February 7. Tech thoroughly outclassed the Wheaton five in every department of the game, to score an impressive 43 to 19 victory. Captain Beemsterboer led the Tech scoring with six baskets and two free throws, and Lauchiskis connected for five baskets, and Dollenmaier tied him with three buckets and four gratis tosses.

The Armour five accomplished the most brilliant victory ever seen on any basketball floor at any time when they defeated, by a one point margin, the strong, overconfident Michigan State Normal quintet 31 to 30 on February 17. Those last two minutes will long be remembered by those who witnessed the game. Armour led by a two point margin 29 to 27. Ashley, Michigan forward sank a difficult shot from the corner of the floor to knot the score

ALBERT LAUCHISKIS

Lauchiskis, playing his first year with the varsity, amassed a total of 140 points to lead the Armour five in scoring. Al, a forward, is counted upon to supply the scoring power to the Tech team in coming campaigns.

HARRY DOLLENMAIER

Dollenmaier, another freshman, played an excellent game both in the forward and guard positions. "Dolly" is an exceptionally fine defensive player and can always be relied upon to score more than his share of points.



A fast scrimmage with Detroit

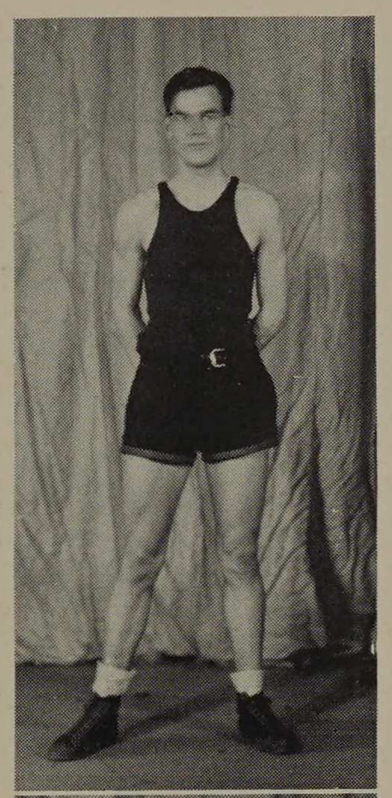
at 29 all. He was fouled and converted a free throw to give his team a one point advantage. Both teams fought furiously for possession of the ball in the few remaining seconds left to play. In desperation Captain Beemsterboer took a general aim at the basket and in the ensuing melee under the basket Al Lauchiskis recovered the ball, whirled free, and hooked in the winning points with less than four seconds to play. This was but the second defeat for Normal.

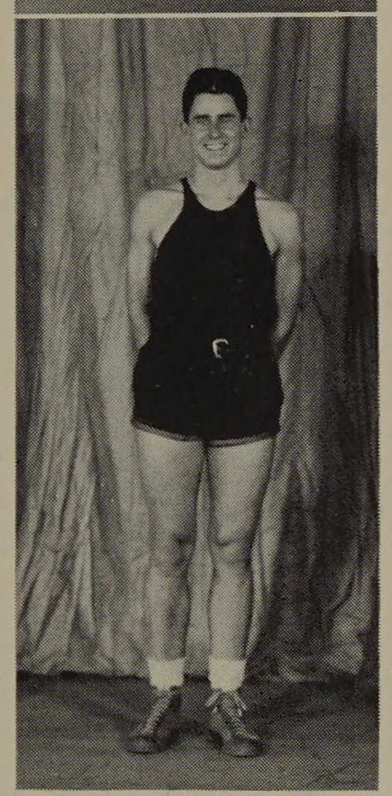
A summary of the game shows that Al Lauchiskis was the individual high scorer of both teams with five baskets and one free throw. Pflum played a sterling game at guard and was the runner up in scoring with three baskets and a free throw. Jagnaw, guard for Michigan Normal, was high point man for the visitors, connecting for three baskets.

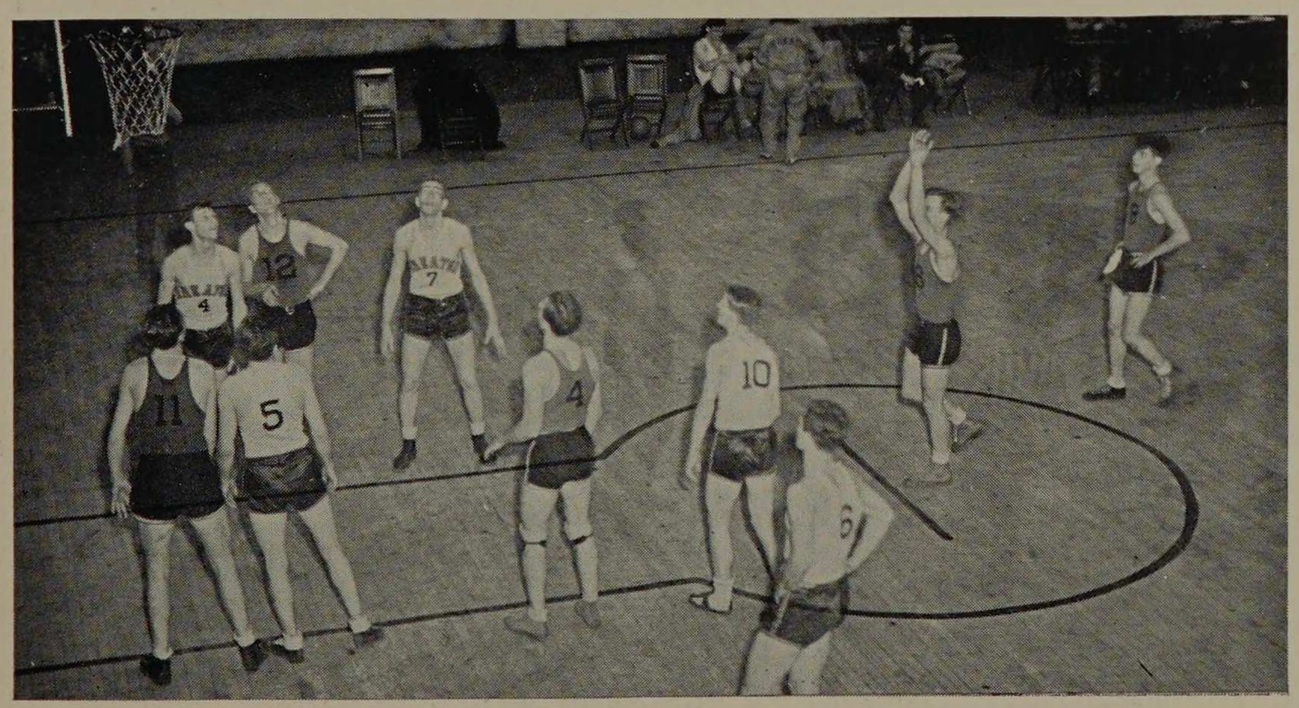
A tired, but game quintet, met the Northern Illinois College of Optometry basketball team the following evening. Pflum, Beemsterboer, and Lauchiskis kept the team in front so that at the end of forty minutes of comparatively listless play Tech won out 35 to 33.

In the final home game of the season Tech sent the teachers at Chicago Normal home with a 44 to 37 lacing. Lauchiskis added 17 more points to his already impressive total. Pelc kept Chicago Normal in the running by collecting a total of twelve points.

The Crane Tiger was easily tamed when the engineers returned the visit in the last game of the season, on February 27. Armour rung up her fifth straight victory to the tune of 38 to 23. Tech, matching Crane's fast breaking offensive, with a similar style of their own in the first half, held a seven point lead in mid-game.







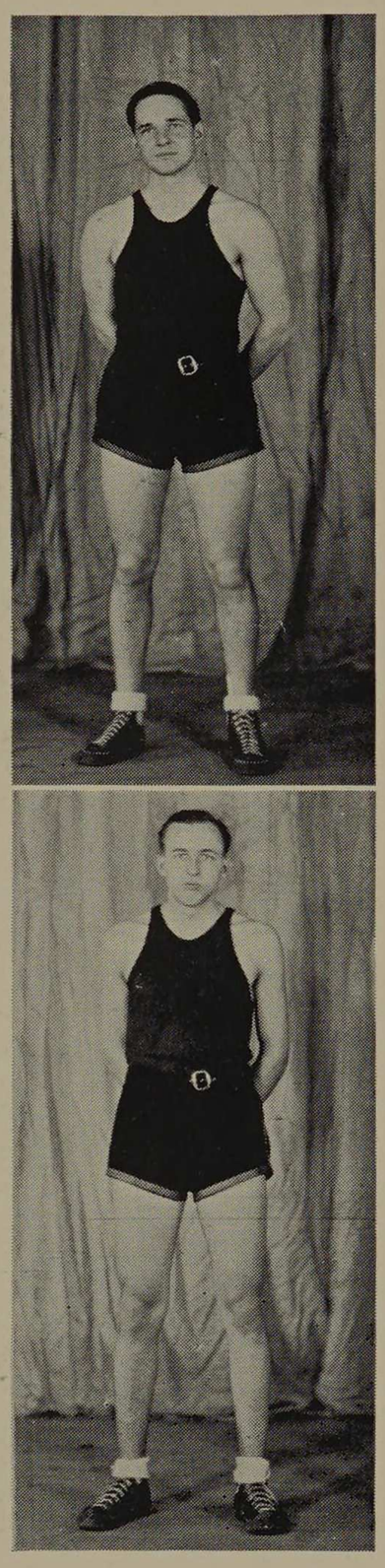
Did he make it?

RAYMOND WARNER

Warner teamed up with Pflum throughout most of the season. "Pop" was a little erratic in this, his first year on the squad, but with more experience should become an outstanding player on the team.

MICHAEL A. LUKAS

Lukas, a fine reliable player, alternated at guard with Pflum and Warner. "Mickey" was always ready to take over the guard position and to play it well. He will be a valuable asset to the Tech team next year.



But all was not well in the Tech camp. Three of the Armour mainstays were in precarious position with three fouls called on each of them. Between halves Coach Kuehn laid the plans which were to completely take the Tiger by surprise.

With the opening of the second half Tech took the tip-off and for the next seven minutes controlled the ball in the front court. When the Crane defense came forward Lauchiskis made an easy step-in shot. This delayed offense was repeated time and time again, and until the last few minutes when the second string went in Crane did not score a point. Al again starred for Armour, sinking eight baskets and three free throws for a total of nineteen points. Pflum, despite a severe injury to his foot played practically the whole game and was the highlight of the Tech defense as he had been throughout the entire season.

Captain George Beemsterboer played his last game for Armour. His fine personality and leadership will be greatly missed by the team in coming campaigns. His control of the tip off throughout most of the games, and his excellent marksmanship, being second highest scorer, contributed in a great measure to the success of the team this season.

Prospects for a championship season next year are excellent. Captain Beemsterboer will be the only man out of a squad of twelve to be lost by graduation. After the Crane victory Raymond E. Pflum, a junior in the Civil Engineering Department, was unanimously elected to captain the 1933-1934 basketball team. His keen basketball sense and quick thinking together with his fine personality and sure leadership should make him a great captain.

LEONARD RUMMEL

Rummel, one of the two lettermen on the squad, played a fine defensive game at guard. "Len" will be back next year and should bolster up the defense considerably in what promises to be one of the best seasons Tech has ever had.

JOSEPH LASCHOBER

Laschober, a freshman, although handicapped by injuries in mid-season, proved to be a valuable man to the team. He should develop into a very good forward with a little more experience.



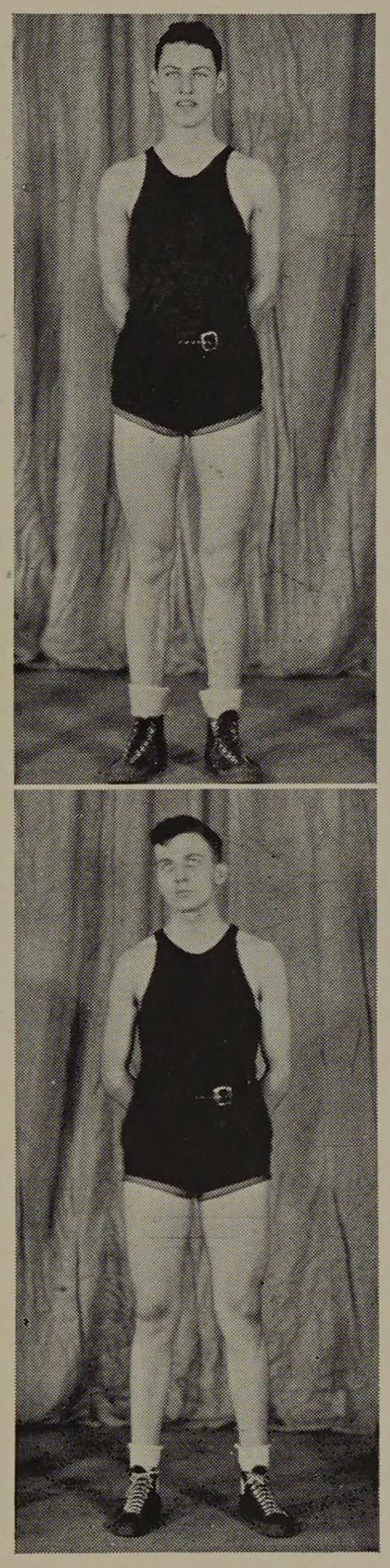
Tight defense checks Wheaton

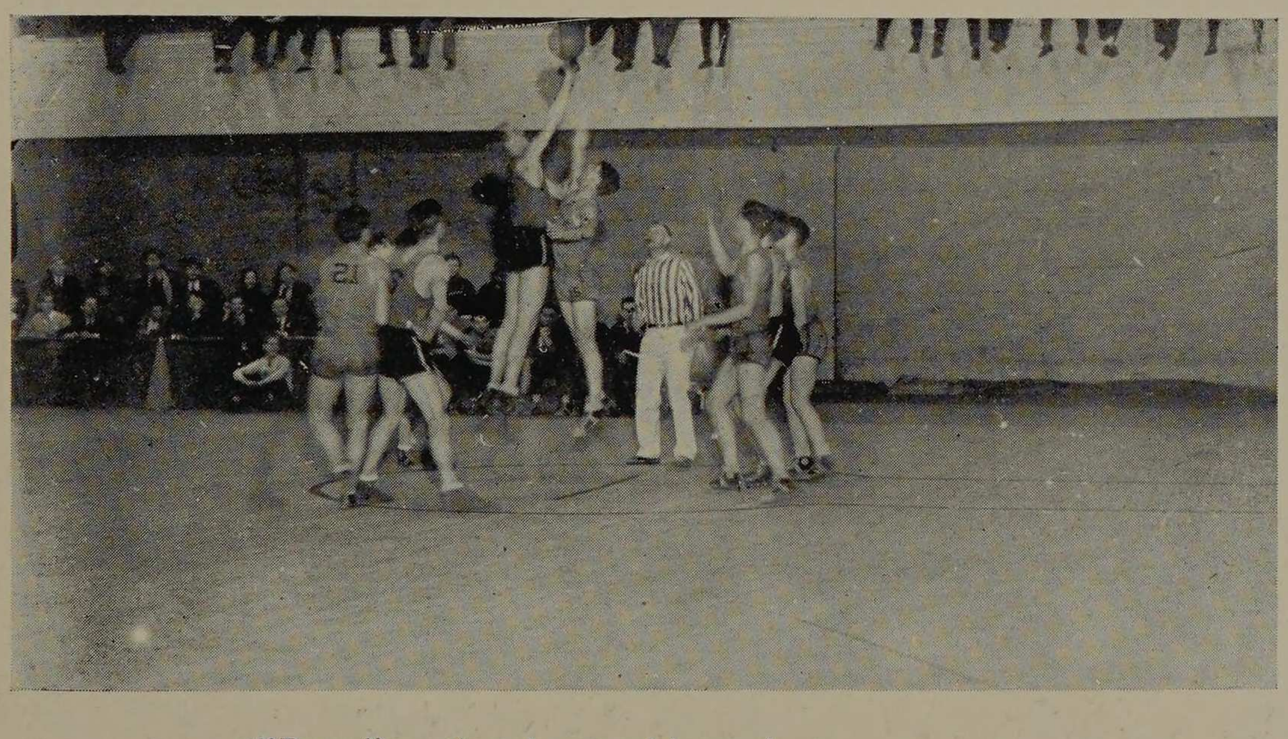
BASKETBALL SCHEDULE 1932-1933

December 7—Armour 27, University of Chicago 23, at U. of C.
December 10—North Central 28, Armour 26, at Naperville.
December 13—Armour 55, Y. M. C. A. College 32, at Armour.
December 15—Crane College 38, Armour 30, at Armour.
January 6—North Central 29, Armour 24, at Armour.
January 9—Armour 47, Alumni 27, at Armour.
January 19—Wheaton 46, Armour 36, at Wheaton.
January 21—Armour 38, "Y" College 35, at "Y" College.
February 3—Michigan State Normal 40, Armour 24, at Ypsilanti.
February 4—Detroit University 36, Armour 33, at Detroit.
February 7—Armour 43, Wheaton 19, at Armour.
February 17—Armour 31, Michigan State Normal 30, at Armour.
February 18—Armour 35, N. Ill. College of Opt. 33, at N. I. C.
February 21—Armour 44, Chicago Normal 37, at Armour.
February 27—Armour 38, Crane College 23, at Crane.

SUMMARY

Won	9
Lost	6





"Beem" outjumps an opponent

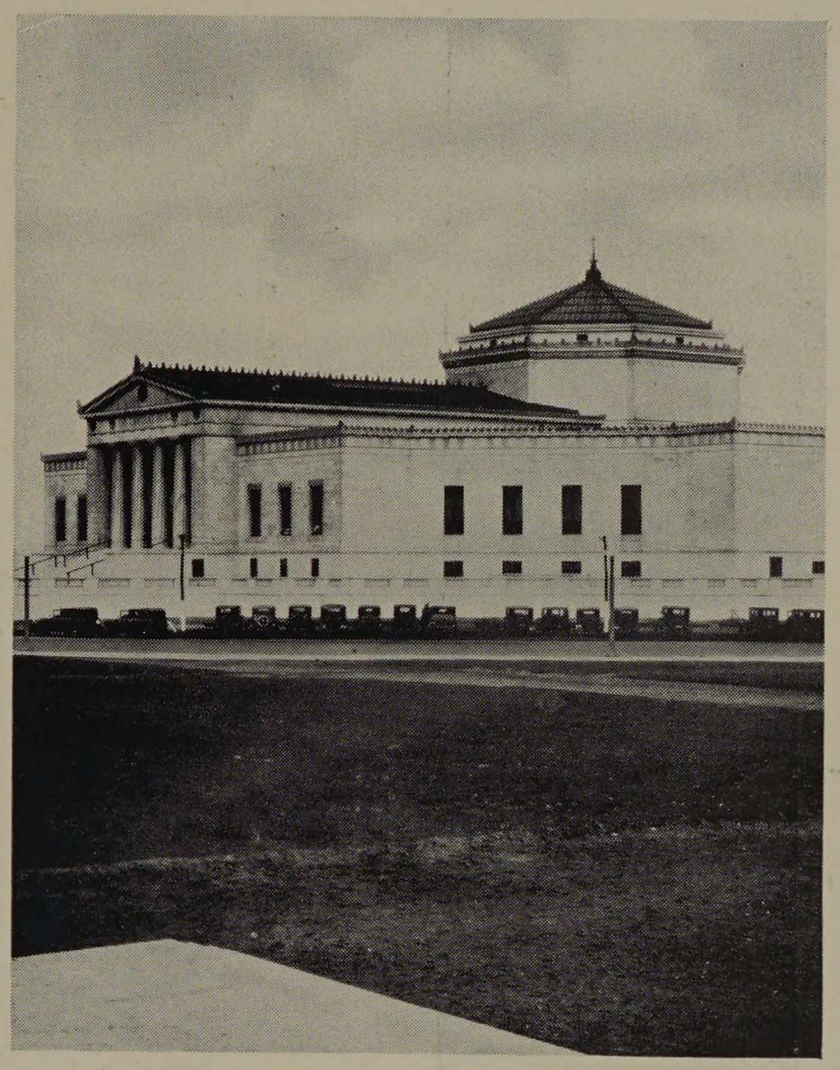
GEORGE HAGENAUER

Of Hagenauer, a first year man, it can be safely said that he was one of the most improved players on the team. With the graduation of Captain Beemsterboer, "Hage" should have an excellent chance to take over his duties at center.

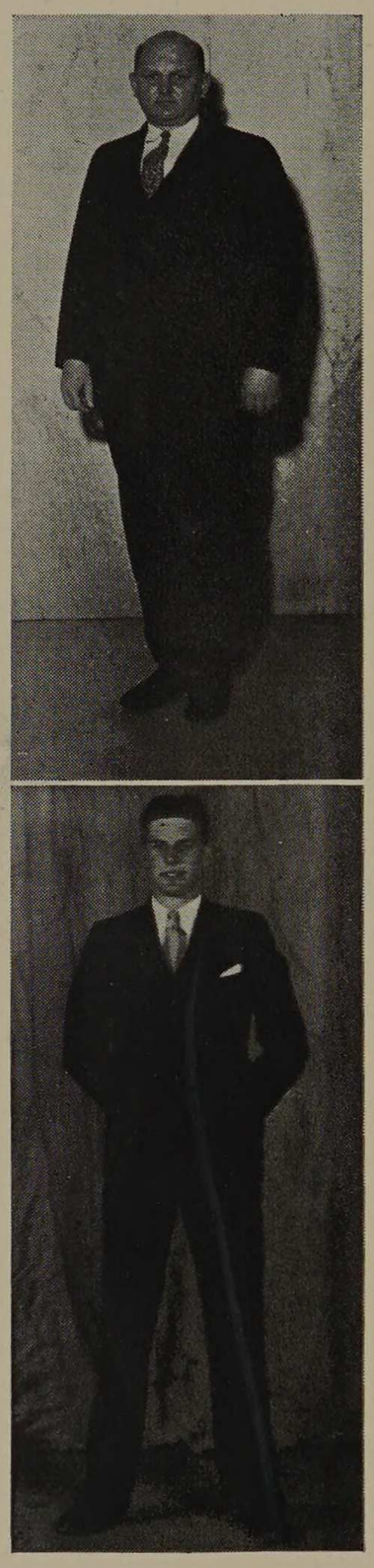
WILLIAM PETERSEN

Petersen was another newcomer to the Tech squad. "Pete" was a hard working candidate, but because of his lack of experience he failed to land a regular berth on the team this season.

greater accomplishment results from a determined dive into the problems of life, and from thenceforth a sure, steady stroke toward the goal of success.



SWIMMING



E. WALLACE MCGILLIVRAY
Coach E. Wallace McGillivray has developed the Tech swimming teams to such prominence that swimming has now become a major sport at Armour. The team under his direction broke eight out of the eleven school records.

JARL T. SORENSEN
Manager Sorensen drew up the toughest schedule ever to be arranged for a Tech swimming team. Twelve meets against some of the strongest schools in the Middle West were entered.

SWIMMING

The Tech natators, competing in twelve meets against the strongest teams in the Middle West, smashing eight out of the existing eleven records, and piling up a total of 420 points to their opponents 428, completed the toughest schedule any Armour swimming team has ever had by winning four and losing eight.

In this case the summary does in no way indicate the true worth of the team. Because of the major competition that Coach McGillivray's swimmers have met, and because of the rapid progress Tech has made in this sport, the Armour Tech Athletic Association awarded the swimming team a major status in athletics at Armour, a rating which it so well deserves.

A preliminary meet with Crane Junior College on January 12, opened the season for Armour. Although Crane won, 44 to 31, the Tech neophytes, Knaus, Burson, Tallafus, and Reed, were so effective as to give the veterans, Carlstrom, Kolve, Ahern, Giovan, LaForce, and Bernstein, a close race for scoring honors.

Victory number one was chalked up to the Tech swimmers when on February 3, the champions of the "Little Nineteen" of the previous season were outsplashed to the tune of 57 to 17 at Bartlett pool.

Captain Carlstrom took first in the 40 and 100-yard free style events, and played an important part in the winning of the 160-yard relay event, to lead in scoring with twelve points. Knaus, Burson, Bernstein, and Kolve won in their specialties.

An impressive upset was scored the following week-end when



La Force, Knause, Davidson, Goldberg
Tallafus, Luce, Sorensen, Bernstein, Burson
Giovan, Kolve, Carlstrom, Ahern, Reed

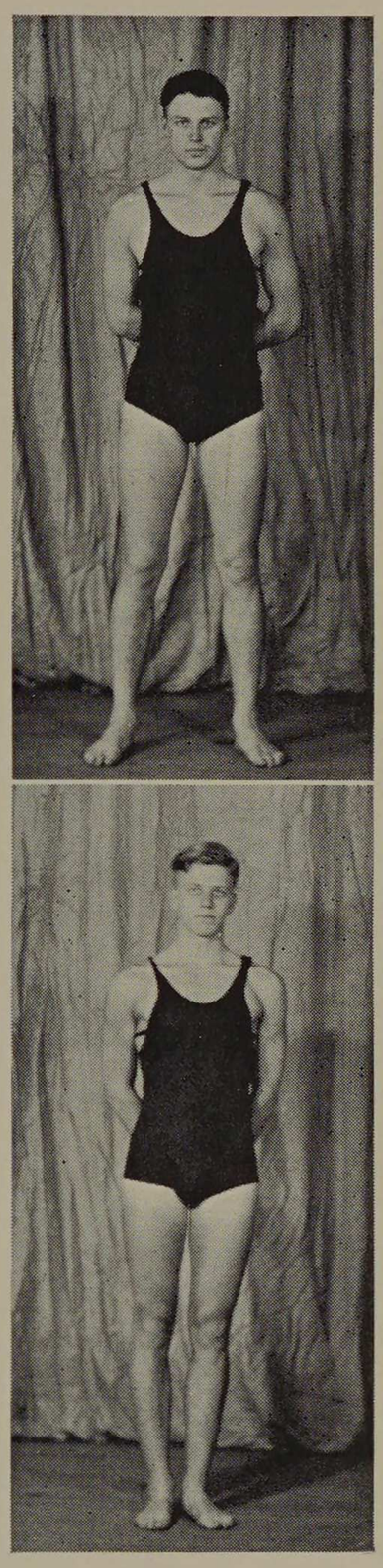
E. Wallace McGillivray . . . . . Coach
Roy W. Carlstrom . . . . . Captain
Jarl T. Sorensen . . . . . Manager

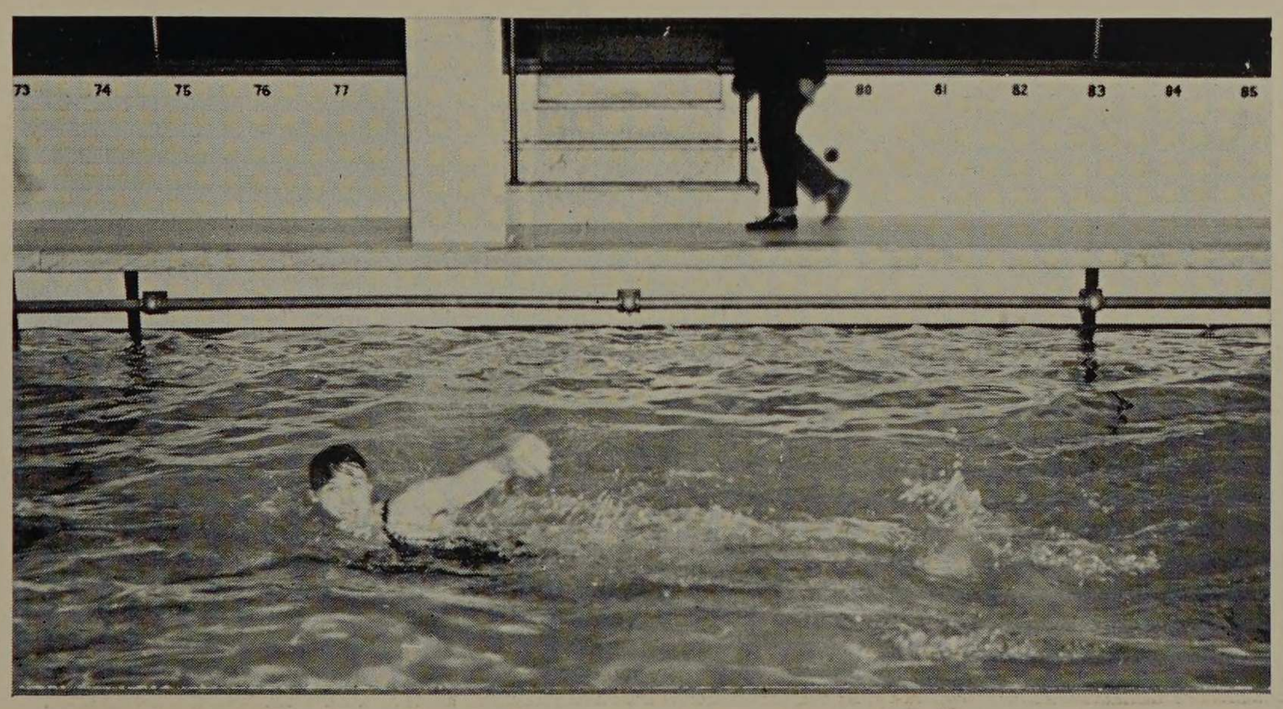
the Armour swimmers journeyed to Evanston and defeated the Northwestern Wildcats to the tune of 41 to 34. After losing the 160-yard relay in the opener, Tech quickly took the lead back when Kolve left his diving board to win the 100-yard breaststroke and Knaus placed second for a total of eight points. Captain Carlstrom took first in the 40-yard and Burson did likewise in the 220-yard free style events to increase the Tech lead. Bernstein added five points in the 100-yard backstroke and Carlstrom three in the 100-yard free style. Tech evened the relay events by winning the 120-yard medley race, to conclude the meet.

The following afternoon Tech engaged the Michigan State College aggregation at Bartlett pool. Armour could not repeat the victory of the preceding evening, losing 45 to 30.

Armour journeyed to Wisconsin the following Saturday to meet the Milwaukee State Teachers in an aquatic duel. Tech fought the Teachers to a standstill throughout the first six events but when State took six of the nine points in the diving and 300-yard medley relay, Armour gave way, 34 to 41.

Loyola University defeated the Tech swimmers in one of the hardest fought meets of the season when they clashed at the Loyola pool February 22. Armour's weakness in the relay events was the main cause of the stinging 35 to 40 defeat. Captain Carlstrom broke the school record when he negotiated the 50-yard free style event in 25 seconds.





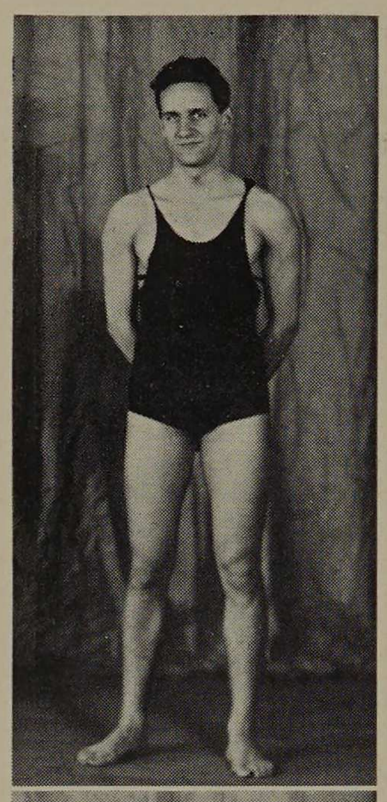
Carlstrom in Action

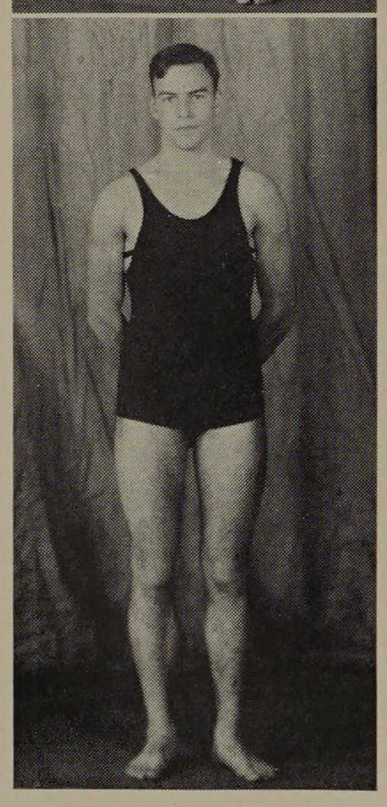
ROY W. CARLSTROM

Captain Carlstrom is undoubtedly the greatest swimmer in the history of the Tech sport. Three individual school records were broken by him as he piled up a total of 107 points.

IRVING C. KOLVE

Kolve, star diver on the Tech squad, piled up a total of 65 points to take second place in the scoring honors. He was elected to lead the Armour swimmers through the 1934 season.





NICK C. GIOVAN

Giovan is another veteran who will be lost to the squad in the 1934 campaign. His steady point winning in the 40 yard free style and his work on the 160 yard relay team will be greatly missed the coming season.

R. KNAUSE

Knause concluded a great season for Armour in his first year as a member of the team. This freshman broke the school record in the 100 yard breast stroke and was also a member of the 120-yard medley relay team.

Armour continued in her losing ways when the angry Wildcats of Northwestern mauled the home team to the tune of 46 to 29 in a return engagement at Bartlett pool, two days later.

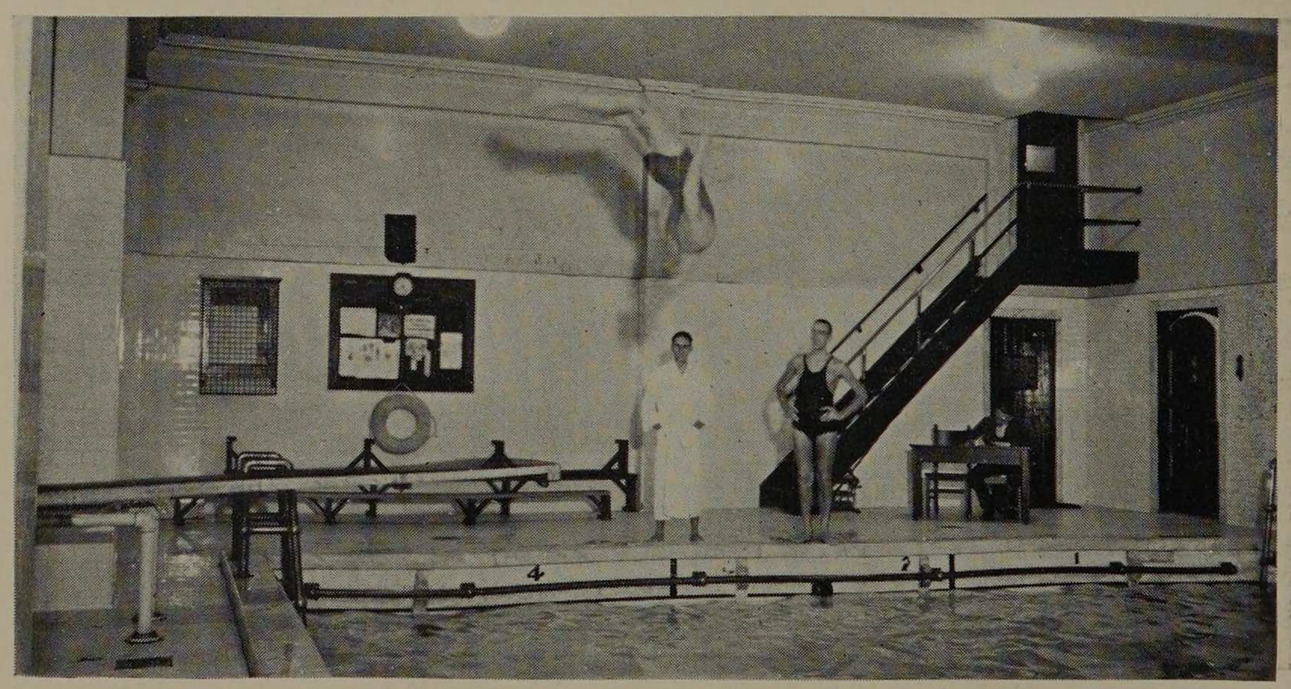
March 1, Tech gave the Crane Tiger a terrific battle at Bartlett pool. The meet was won in the final event when Crane took the 120-yard medley race, to win by one point, 38 to 37.

March 3rd Tech returned to the win column by avenging an early season defeat by the Milwaukee State Teachers, 48 to 27, at Armour. Coach McGillivray's men failed to take first place in only two of the eight events. Bernstein of Armour set an Armour record in the 100-yard backstroke, being clocked in that event at 1:17.2.

University of Wisconsin proved too strong for the Engineers whom they engaged in a duel meet at Madison on March 11, the final score being 55 to 29.

Although the Tech tanksters smashed four school records it was not enough to defeat the strong Loyola team in the final meet of the season. Knaus won the 100-yard breaststroke in 1:48.8 to put Armour in lead after a poor start in the 160-yard relay. Ertz of Loyola then succeeded in doing what only one man before him had been able to do this season, when he defeated Captain Carlstrom in the 40-yard free style event. In so doing both exceeded the school record.

Kolve and Reed added eight points in the diving event, to make the score 31 to 35 in favor of Loyola as the final relay race was to begin. Bernstein, Knaus, and Carlstrom met Elwell, Sertich, and



Kolve Executes a Back Flip

Trick of Loyola in one of the most exciting races ever staged by the Tech swimmers. It was a nip and tuck affair throughout, and at the end of the race both schools were again clocked under the school record. Loyola had won the necessary points to win the meet 41 to 34.

SCHEDULE

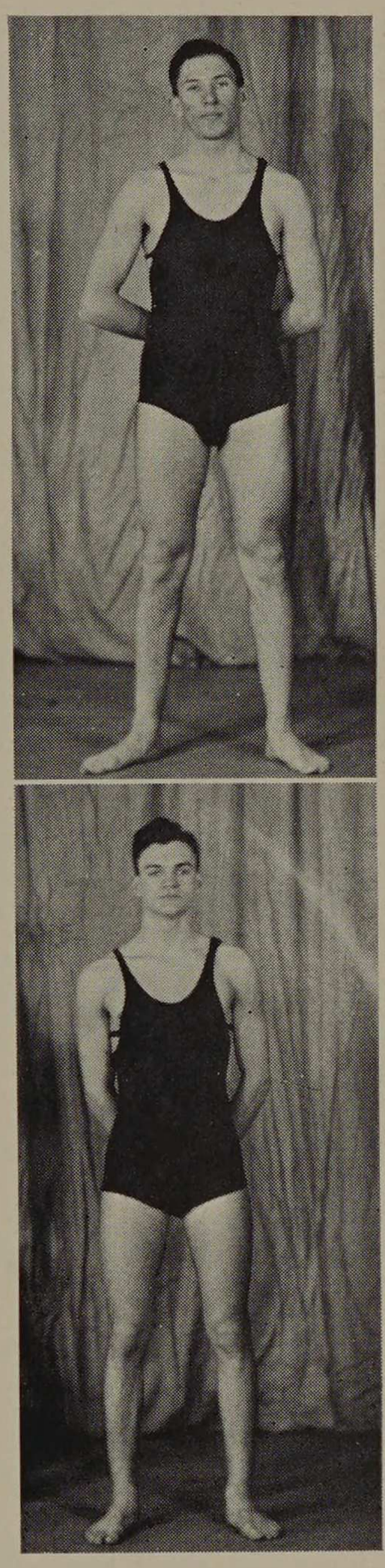
January 12—Armour 31, Crane College 44, at Crane.
February 3—Armour 57, Illinois Wesleyan University 17, at Armour.
February 10—Armour 41, Northwestern University "B" 34, at Evanston, Ill.
February 11—Armour 30, Michigan State College 45, at Armour.
February 18—Armour 34, Milwaukee State Teachers' College 41, at Milwaukee, Wis.
February 22—Armour 35, Loyola University 40, at Loyola.
February 24—Armour 29, Northwestern University "B" 46, at Armour.
March 1—Armour 37, Crane College 38, at Armour.
March 3—Armour 48, Milwaukee State Teachers' College 27, at Armour.
March 4—Armour defeated Illinois Wesleyan University by forfeit.
March 8—Central A. A. U. Senior Swimming Championships, Medinah A. C., Chicago, Ill.
March 11—Armour 29, University of Wisconsin 55, at Madison, Wis.
March 21—Armour 34, Loyola University 41, at Armour.

SUMMARY

Won — 4 Lost — 8

1933 Swimming Team Points

Carlstrom (Capt.)	107	Reed	19
Kolve (Capt. Elect)	65	Tallafus	13
Knaus	53	Davison	7
Bernstein	50	Luce	7
Burson	30	Goldberg	3
Ahern	27		
Giovan	20	Total	420
La Force	19	Total Opponents	428

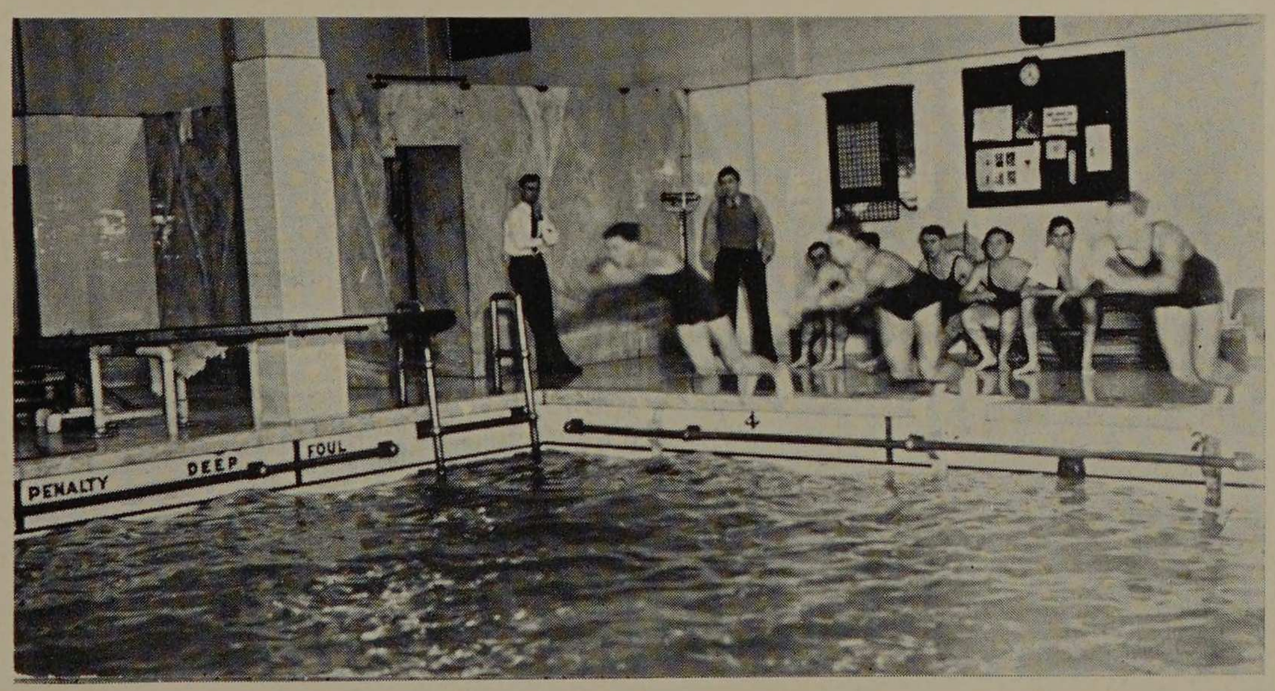


STANLEY BERNSTEIN

"Stan" Bernstein starred in the 100 yard backstroke for the Tech natators. He holds the Armour record in this event and was also a member of the record breaking 120-yard medley relay team.

JOHN J. AHERN

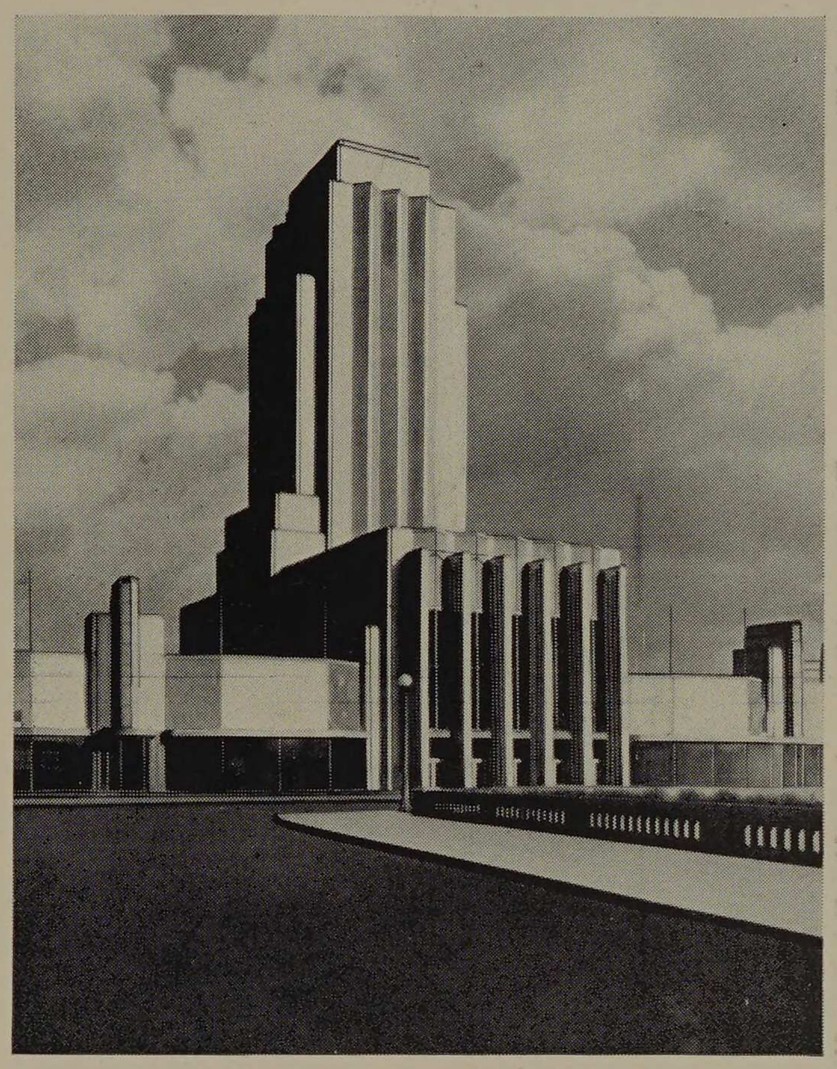
"Johnny" Ahern proved invaluable to the Tech swimming team in the 100-yard free style and the 160-yard relay events. He will be one of the mainstays of the team next season.



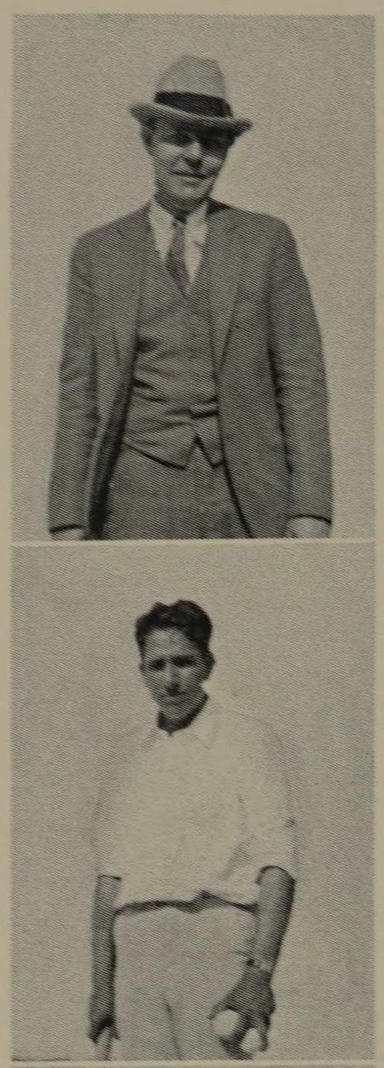
Start of a race at Bartlett

■

many small parts make up one big whole. our characters are built by early training, environment, associations, and observations. no two sets of factors are quite alike—no two characters are the same.



MINOR SPORTS



COACH W. W. COLVERT
Professor Colvert finished his third year as coach of the Tech tennis team with the completion of the 1932 season. His influence in having the tennis courts refinished has proved of great benefit.

LOUIS H. STREB
Playing number one position throughout the season, Streb won seven singles matches while losing only two. He will captain the team in 1932.

GLEN W. SCHODDE
As manager of the 1932 tennis team, Glen Schodde was largely responsible for the success the team obtained. His encouraging words helped the players out of tough spots time and again.

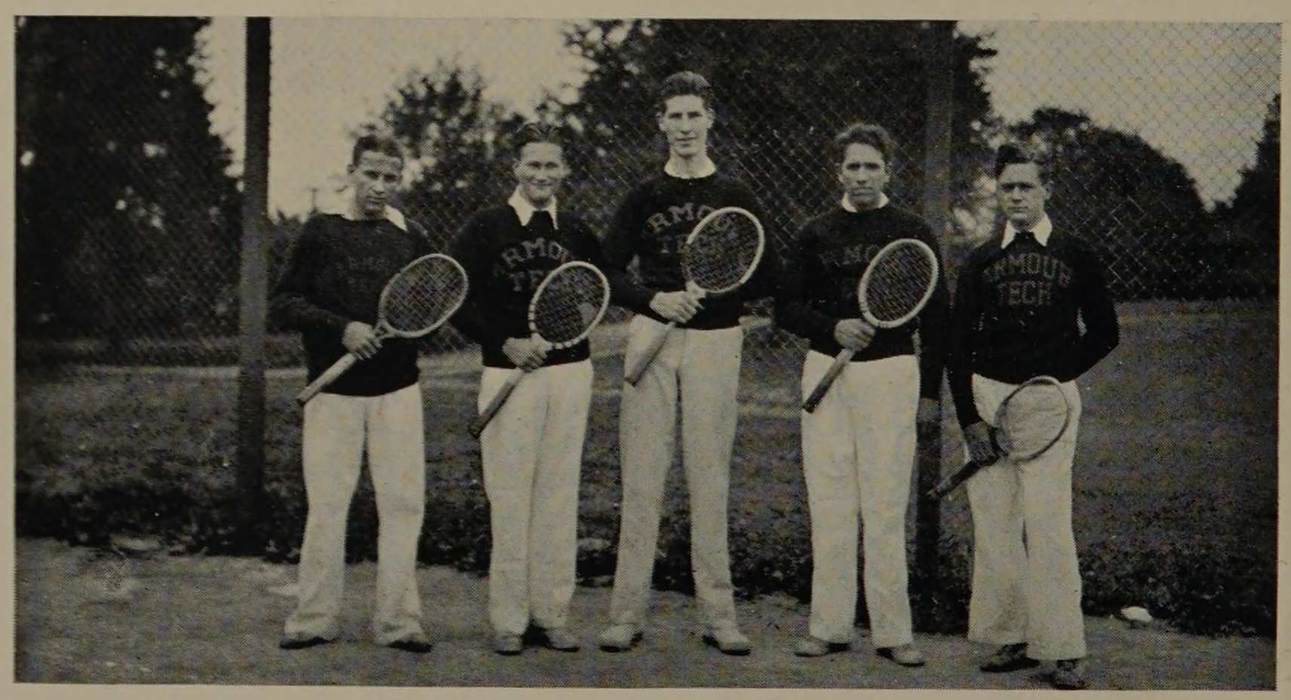
TENNIS, 1932

Not since the days of George Jennings has a Tech Tennis team enjoyed the success that the team of 1932 has. The team played a total of nine games, winning five and losing four. Of the four that were lost three of them went by only one match. The squad, under the popular leadership of Coach W. W. Colvert, was composed of the following men, listed according to the number they played, L. Streb, R. D. Armsbury, F. W. Paine, E. McDonough, and S. B. Cone. To G. W. Schodde, manager of the team, much of the success of the raqueteers is due.

Tech, in the season opener on April 29, lost to a strong Loyola squad by a score of 4 to 3. Armsbury and Cone won their singles matches and Paine and McDonough were victorious in the doubles to account for the Tech points.

In the return engagement on May 2, Armour returned the compliment by defeating Loyola by the same score. Streb, Armsbury, and Cone won in the singles, while Paine and McDonough won the deciding doubles match. May 14, the Ramblers of Notre Dame administered the only severe defeat of the season to the Tech netmen, when they defeated them by a score of 6 to 1. Wheaton also took advantage of Tech's relapse by scoring a 4 to 3 triumph the same week.

Tech netmen soon returned to form, winning their next three meets, defeating Lake Forest twice by scores of 5 to 2, and 7 to 0, and then journeying to Wisconsin to defeat Ripon by a score of 7 to 0.



Armsbury, Paine, Cone, Streb, Beal

OF 1933

W. W. Colvert ..... Coach
G. W. Schodde ..... Manager

(No captain was elected)

The team lost its second match to Wheaton by the same score, 4 to 3. Wheaton College was the only team to defeat Armour twice during the season. The season closed with a 7 to 0 duplicate administered to Ripon College.

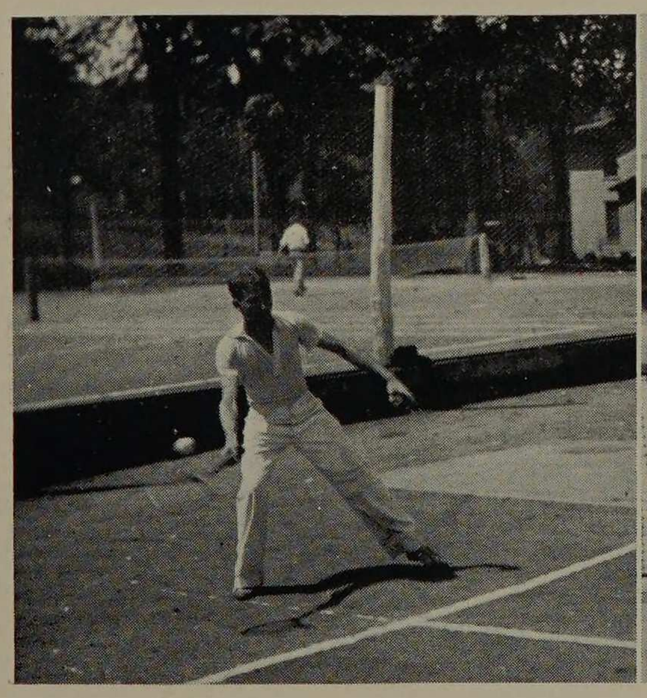
Prospects for the 1933 season are excellent as every member on the squad returned. A tournament held in the fall brought out new men of excellent ability who threaten to push the veterans for team positions.

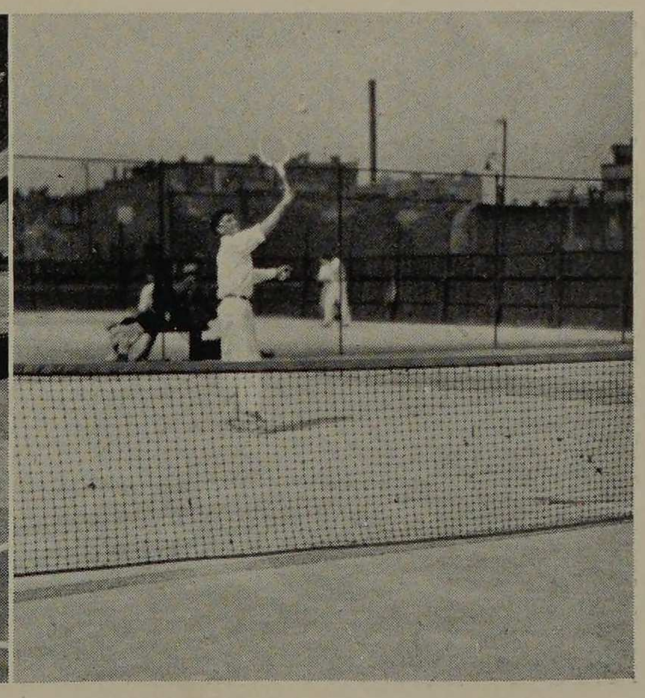
TENNIS SCHEDULE, 1932

April 29—Armour 3, Loyola 4, at Loyola
May 2—Armour 4, Loyola 3, at Armour
May 14—Armour 1, Notre Dame 6, at Armour
May 16—Armour 3, Wheaton 4, at Armour
May 19—Armour 5, Lake Forest 2, at Lake Forest
May 24—Armour 7, Lake Forest 0, at Armour
May 28—Armour 7, Ripon 0, at Ripon
May 31—Armour 3, Wheaton 4, at Armour
June 1—Armour 7, Ripon 0, at Armour

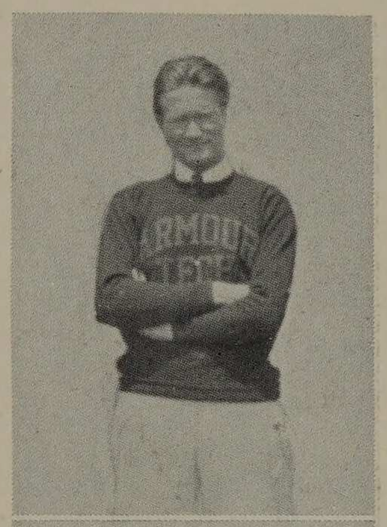
SUMMARY

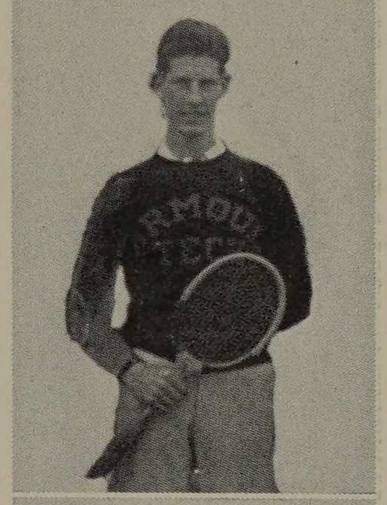
Matches Won—5 Matches Lost—5





Action on the courts







FRANKLIN W. PAINE

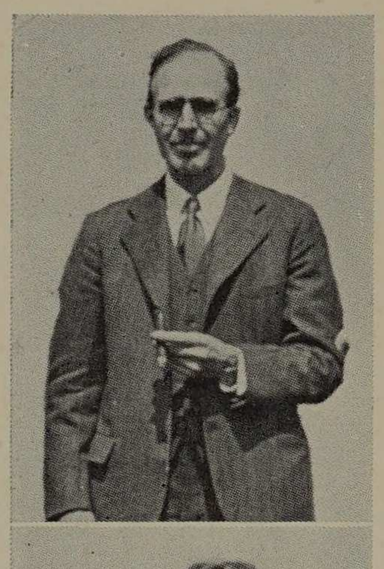
Although handicapped by a bad ankle most of the season, Paine won four singles victories to four defeats. He saved Tech from a shutout when he turned in Armour's lone victory against Notre Dame.

SPENCER B. CONE

"Spence" Cone supplied many of the victories that made a Tech win possible. His fine tennis and his excellent personality combined to make him one of the most popular men on the team.

RICHARD D. ARMSBURY

Although a first year man Dick rapidly rose to number two position. His season's record was six wins to three losses.







CHARLES W. LEIGH

Professor Leigh coached the golf team to one of the most successful seasons in recent years. The team went through a tough schedule, winning five out of the scheduled eight meets.

DAVID W. PEARSON

Captain Pearson led the golf team through an excellent season. His fine consistent play was an important factor in all Tech's victories.

WALTER M. TRAUTEN

Manager Trauten scheduled strong opposition for the men of Leigh. The excellent cooperation offered to the coach and team earned for him the high esteem of his teammates.

GOLF, 1932

Old Man Depression and his accompanying gloom forgot to call on the Tech golfers in 1932 as the men of Leigh were victorious in five out of eight matches. The squad was composed of Captain Pearson, Johannisson, Weldon, Richards, and Davidson.

After the customary school tournament on April 9, the squad opened its season on April 16 by trimming the Alumni, 13½ to 4½, at Evergreen Park. Defeat to the tune of 16½ to 1½ was the present received on April 22 at Valparaiso.

Getting her seige guns in battlefront array for the first time Tech fairly annihilated the Crane Tiger, 15 to 3, when the supposedly ferocious animal visited Evergreen Park on April 27. On May 5 Loyola trounced Tech, 10½ to 7½, at Evergreen Park, but the Engineers got back into winning stride again on May 13 by giving the visiting Toledo aggregation the works, 11 to 7.

Vengeance was wreaked on Valparaiso at Evergreen on May 18 by trouncing the Hoosiers 10 to 8. Tech completed her season by drubbing Crane, 9 to 3, at Wheaton on May 20 and losing to Toledo on May 28, 16½ to 1½, in the Ohio metropolis.

The star of the team turned out to be Davidson although he was pushed closely for top honors by Captain-elect Sven Johannisson. Captain Pearson was the high point man for the squad in performing in the same cool and leisurely style that is characteristic of his game. Weldon also proved to be a valuable mem-



Trauten, Davidson, Pearson, Leigh, Johannisson, Weldon

Charles W. Leigh . . . . . Coach
David W. Pearson . . . . . Captain
Walter M. Trauten, Jr. . . . . Manager

ber of the team as did the rotund Richards. Trauten, as manager, rendered valuable services, and Staib, his successor, expects to carry on in the same efficient manner.

GOLF SCHEDULE, 1932

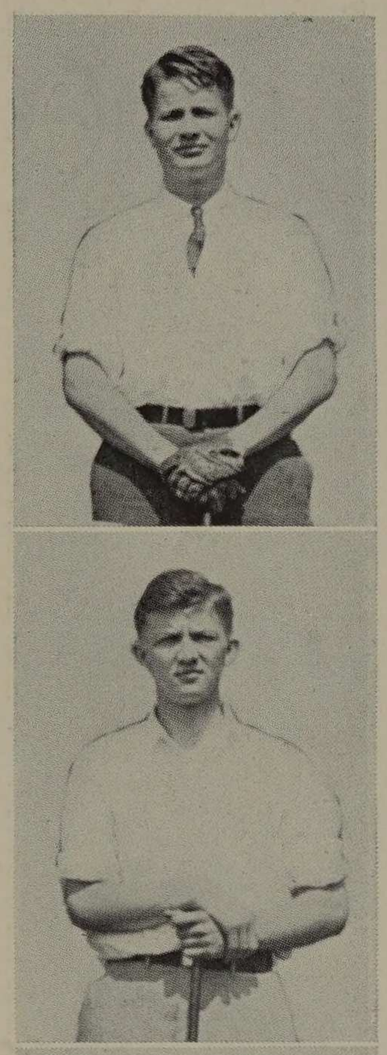
April 9—School Tournament
April 16—Armour 13½, Alumni 4½, at Evergreen Park
April 22—Armour 1½, Valparaiso 16½, at Valparaiso
April 27—Armour 15, Crane 3, at Evergreen Park
May 5—Armour 7½, Loyola 10½, at Evergreen Park
May 13—Armour 11, Toledo 7, at Evergreen Park
May 18—Armour 10, Valparaiso 8, at Evergreen Park
May 20—Armour 9, Crane 3, at Wheaton
May 28—Armour 1½, Toledo 16½, at Toledo

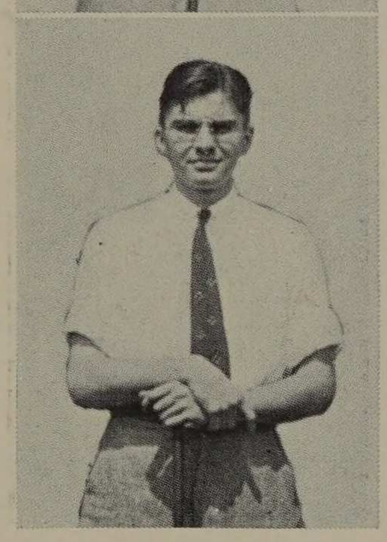
SUMMARY

Matches won . . . . . 5 Matches lost 3



Davidson sinks one





SVEN JOHANNISSON

Sven, a veteran of two seasons, was one of the high scorers of the Tech golfers. For his excellent showing on the course he was elected to lead the Tech golfers in 1933.

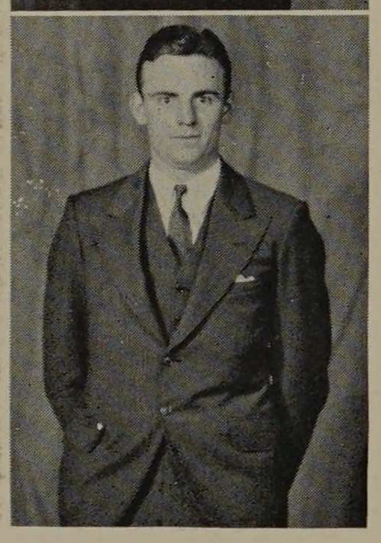
WALTER J. WELDON

Weldon, a veteran player on the Armour team, shot an excellent game of golf during the season. The doubles combination of Weldon and Johannisson was almost unbeatable.

LAWRENCE W. DAVIDSON

Davidson was easily the outstanding star of the Tech aggregation. This brilliant newcomer shot consistently in the seventies throughout the season.





BERNARD WEISSMAN
Coach Weissman has developed boxing into one of the most popular minor sports at Armour. His team has fared exceptionally well against strong opponents.

LEO MCDONALD
Captain McDonald, a smooth boxer and a tough fighter, set up for himself a record of seven victories and no defeats.

FRANK KOKO
Manager Koko ably contributed his part toward the success of the season by scheduling a number of real scrappy bouts.

BOXING

The boxing team opened the season on February 17 when they engaged the West Side Y.M.C.A. in a terrific dual of fistcuffs at the opponents' gym. Eight matches were carded. Hella, Bacci, Breh, and Marcus came through with victories to give Tech a tie with four wins apiece. Captain McDonald and Schavilje lost their bouts by a very small margin.

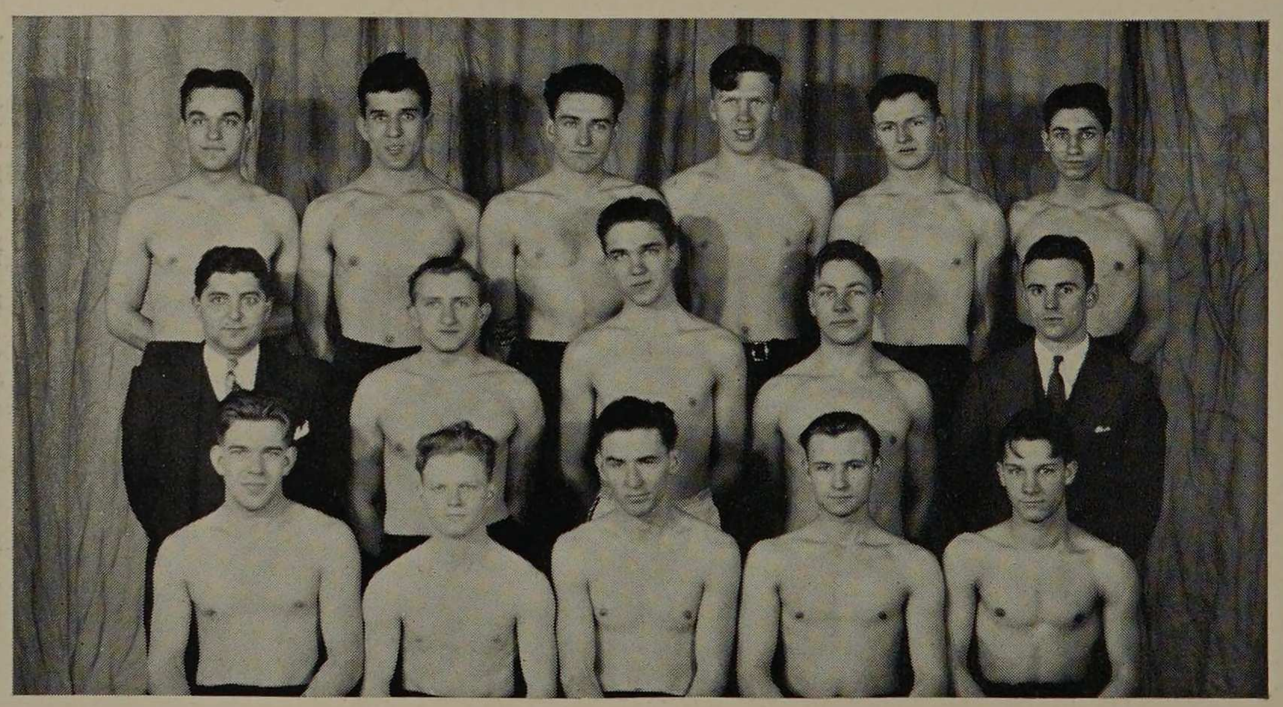
Culver Military Academy, Armour's ancient and most feared rival, was the next opponent for Coach Weissman's leather pushers. Tech fought the Culver aggregation to a three to three tie which may be considered a moral victory because two of the Armour stars, Captain McDonald and Behmer, were not matched by the opponents.

The cadets opened with a rush, taking the first two bouts in quick order. The third bout found Joe Bacci matched against Rumbaugh of Culver. The bout was by far the fastest of the evening. Joe fought the best fight of his career and after a terrific three round dual he had piled up enough points to win the decision.

Schavilje, Tech 140 pounder, then fought his way to the second Armour victory when he defeated Hough to throw the meet in a tie at two all.

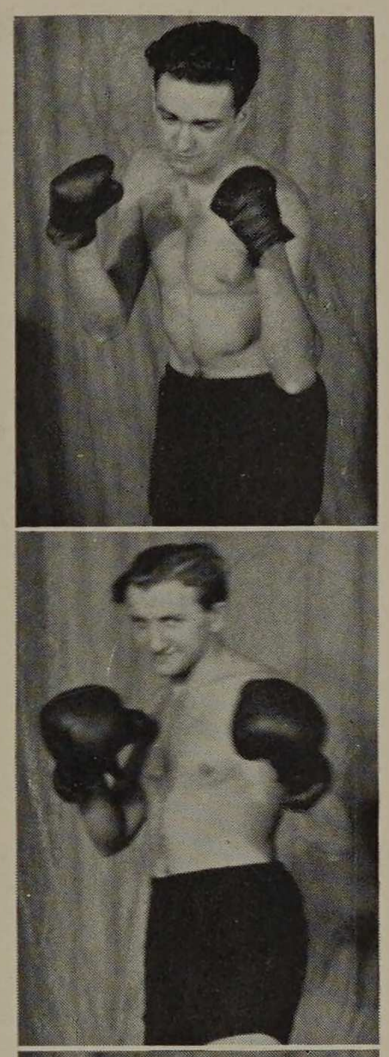
Marcus put the standings at three to two when he won the decision after landing some of his terrific punches that had his opponent groggy at times.

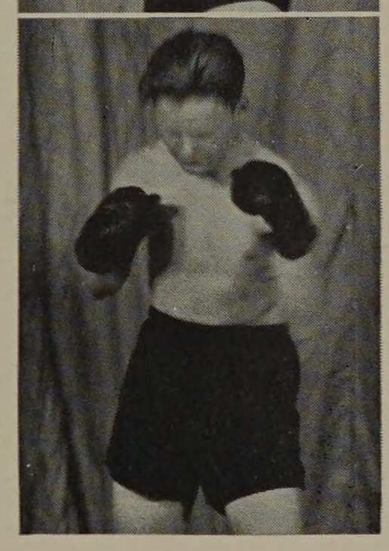
The final bout of the evening went to Culver when Keyler de-



Castanes, Bacci, Schavilje, Phillips, Suman, Hella
Weissman, Marcus, Dangebich, Hough, Koko
Babcock, Behmer, McDonough, Breh, Strass

Bernard Weissman ..... Coach
Leo J. McDonald ..... Captain
Frank W. Koko ..... Manager





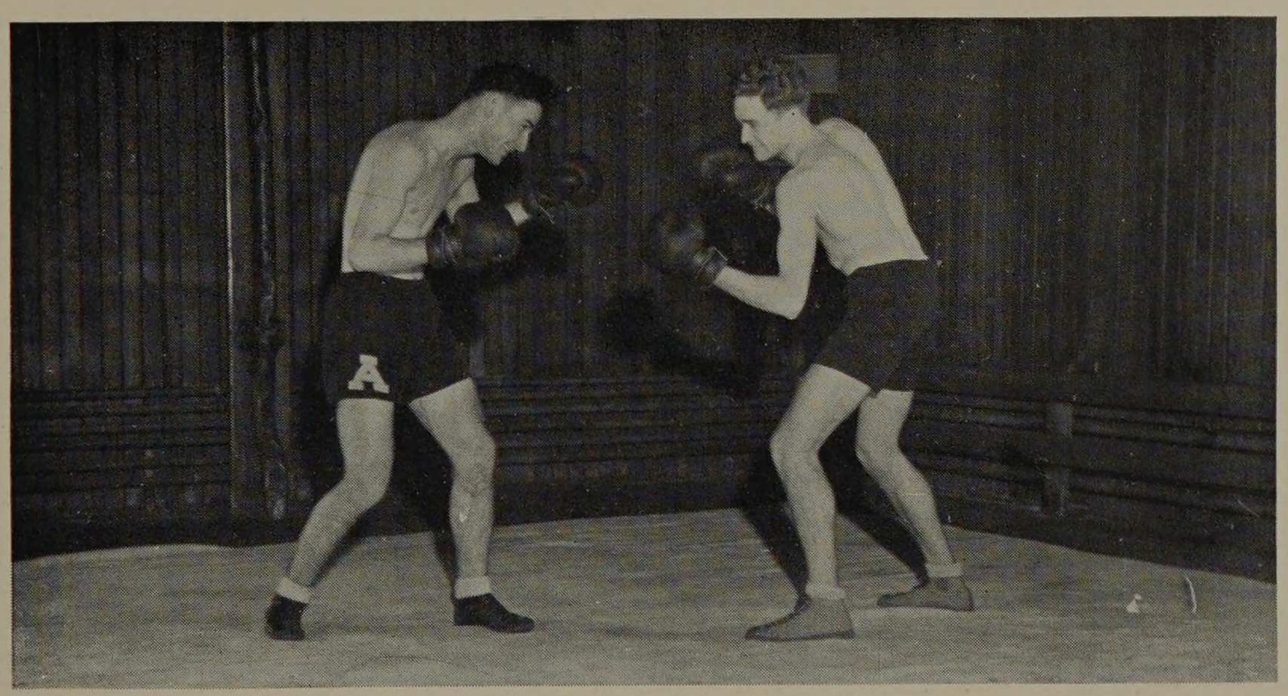
feated Phillips in the heavyweight division to give Culver a tie at three all.

In every engagement a noticeable improvement was evident, but by the middle of April the team had not fought a sufficient number of bouts to really predict the approximate summary. More meets had been scheduled, but due to postponements and other causes their ultimate dates were later than press dead line.

BOXING SCHEDULE 1933

February 17—Armour 4, West Side Y.M.C.A. 4, at Y.M.C.A.

March 25—Armour 3, Culver Military Academy 3, at Culver.



McDonough and Schavilje in a friendly scrap

JOSEPH SCHAVILJE

In the junior welterweights, Armour was represented by Schavilje, whose left is a real "feeler." His wins balanced his defeats—record .500.

LEONARD MARCUS

"Len" Marcus has an unblemished record for the current season. He is a hard hitter and a smart boxer, and seemed not too troubled by opposition.

WILLIAM BEHMER

"Bill" Behmer, Armour's flashy little featherweight, although kept from the West Side "Y" meet by flu, made an impressive showing at Culver.

WRESTLING

Wrestling, Tech's newest contribution to the Armour sports followers, made its debut this season. The team was coached by Bernard "Sonny" Weissman, and managed by Frank Koko. It was composed almost entirely of freshmen, captained by Frank Talaber, a sophomore.

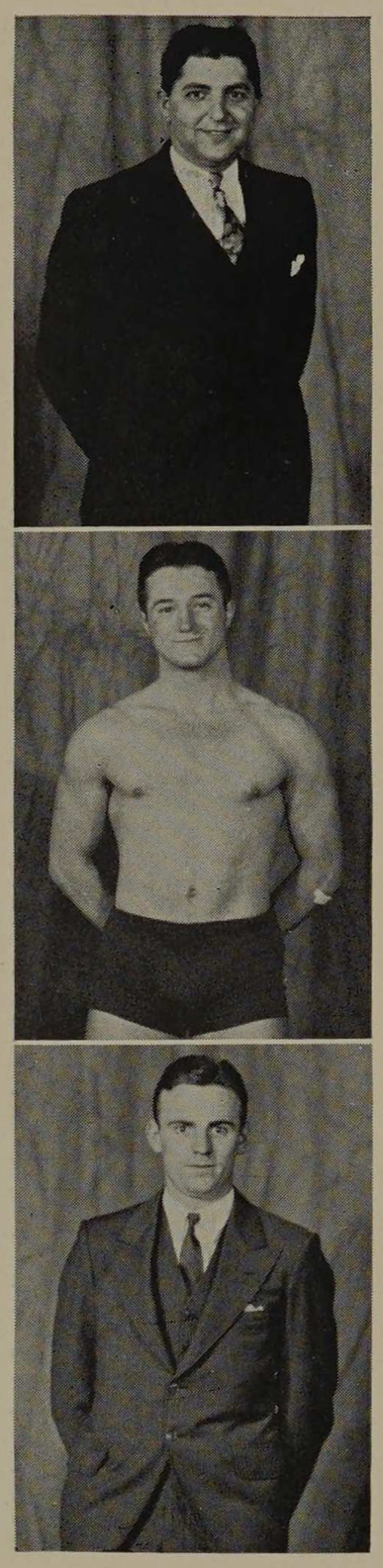
A strong Wheaton team defeated the Armour grapplers in their initial engagement on February 8 in the Tech gymnasium. Perrill and Bergquist were the only Tech wrestlers to win for Armour so that the final score was 6 to 2 in favor of the visitors.

In the return engagement three weeks later Tech again lost by the same score. Captain Frank Talaber, C.A.A.U. middle weight champion, and Robert Schmidt won their bouts by time advantage. A noticeable improvement of the squad was evident despite indications to the contrary by the score, 6 to 2.

Belmont Y.M.C.A. blocked Tech's third attempt at a victory, the final outcome being 7 to 2. The squad was minus the services of Captain Talaber, Larson, and Vendley, because of injuries. Bergquist and Fleig scored the Armour victories.

Coach Weissman's men won their first meet of the season when they met Morton Junior College March 17, at Morton. Talaber and Bergquist again won their matches as usual. Schmidt, Sumner, and Patterson also entered the win column to make the score 5 to 3 in favor of Armour.

The Crane Tiger proved too strong for the Engineers when they



BERNARD WEISSMAN

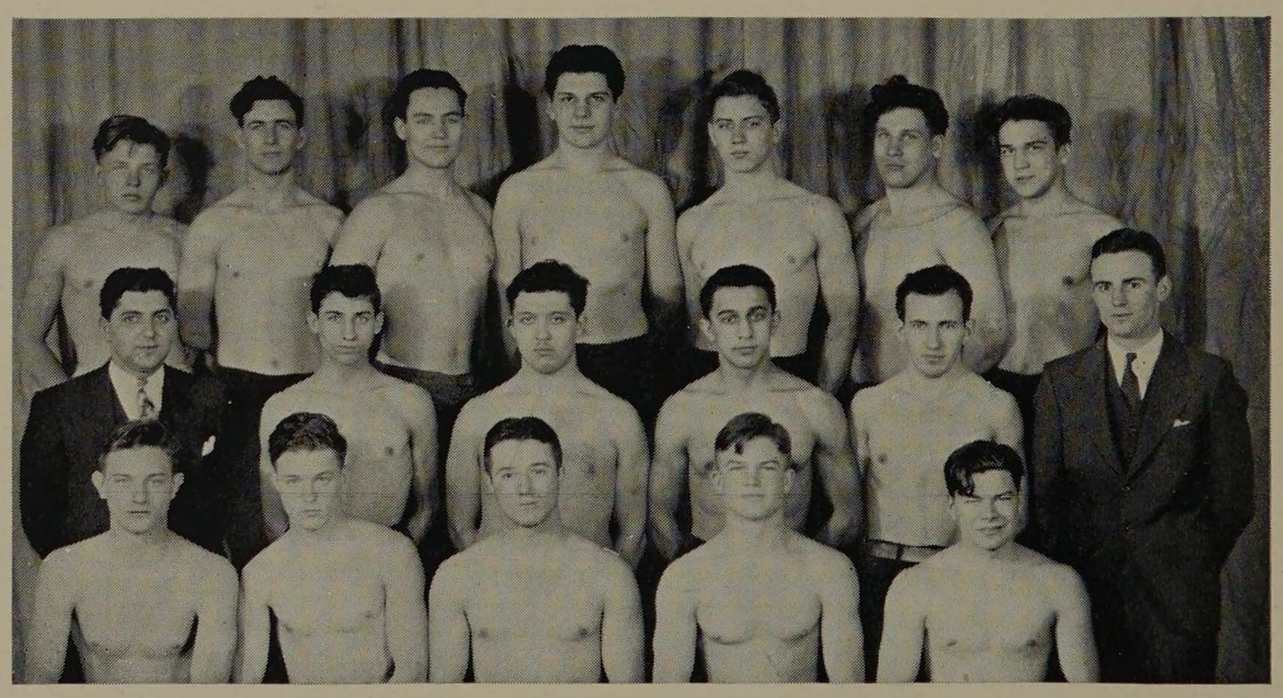
Coach "Sonny" Weissman ably guided the newly formed wrestling team in its first season's endeavors. Another year under his direction will give Tech a prominent team.

FRANK TALABER

Captain Talaber was easily the outstanding star of the team. The Central A. A. U. Champion won every bout he entered. It was largly through his enthusiasm that the team was organized.

FRANK KOKO

Manager Koko drew up an excellent schedule for the grapplers in spite of the fact that few schools supported wrestling teams this year.



Quandee, Patterson, Fleig, Balsewick, Berquist, Marslek.
Weissman, Hella, Bard, Papas, Rosenfeld, Koko
Sumner, Vendley, Talaber, Larson, Perrill

Bernard Weissman ..... Coach
Frank Talaber ..... Captain
Frank Koko ..... Manager

came to grips in the Crane gym on March 29th. Talaber, won the only match for Armour out of the six scheduled.

Tech scored an impressive 6 to 1 triumph over Morton in the final meet of the season. In the opener Rosenfeld of Armour pinned Hegna of Morton. Schmidt, Talaber, Bergquist, and Sumner all won easily over their opponents. Bard of Armour and Rollberg of Morton wrestled for fourteen minutes to a draw, to conclude the meet.

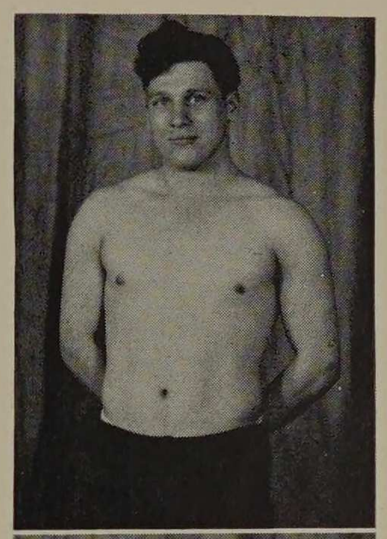
The team this year lacked the necessary experience which is so very important in producing victories. Next season should find the Tech grapplers definitely established as a winning team, for barring unexpected events, all the members will be back—this time as veterans.

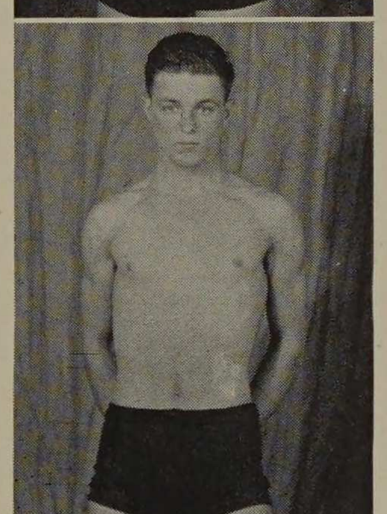
SCHEDULE—1933

February	8	Armour 2, Wheaton 6, at Armour
February	29	Armour 2, Wheaton 6, at Wheaton
March	11	Armour 2, Belmont Y.M.C.A. 7, at "Y"
March	17	Armour 5, Morton Junior College 3, at Morton
March	29	Armour 1, Crane Junior College 5, at Crane
April	5	Armour 6, Morton Junior College 1, at Armour



Talaber has Vendley up in the air





Berquist

Berquist came through the season by winning four of his six bouts. "Swede" is a consistent hard worker and his careful training showed results.

John Larson

Larson, the regular 145 pounder, was out a large part of the season because of injuries. Despite this, he was able to balance his losses with the same number of wins.

Edward Vendley

"Ed" is a quick and brainy wrestler. He showed up well in the matches in which he worked, and won his letter as a member of the team.



Freshman baseball team

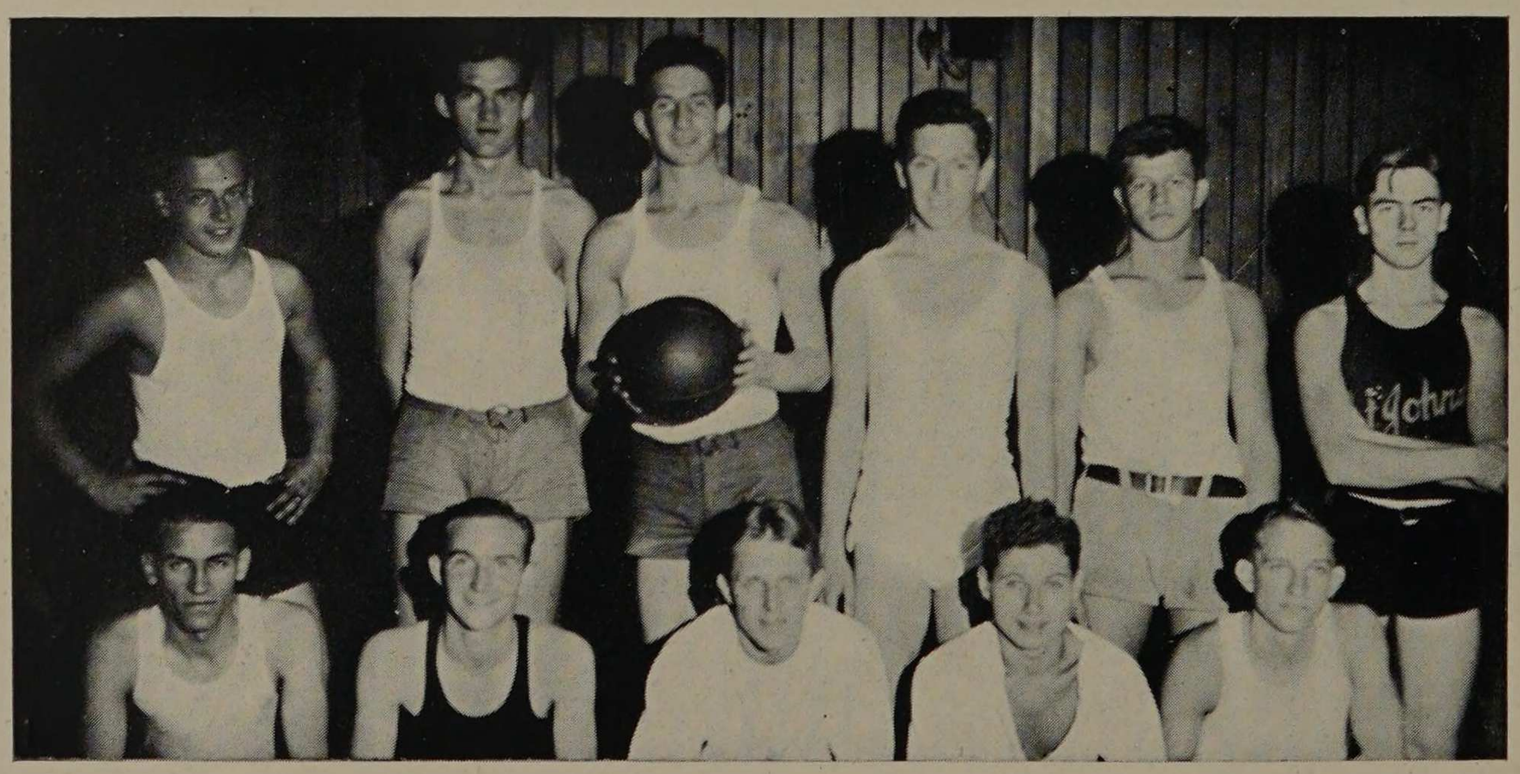
Inter-class Champs

INTERCLASS ATHLETICS

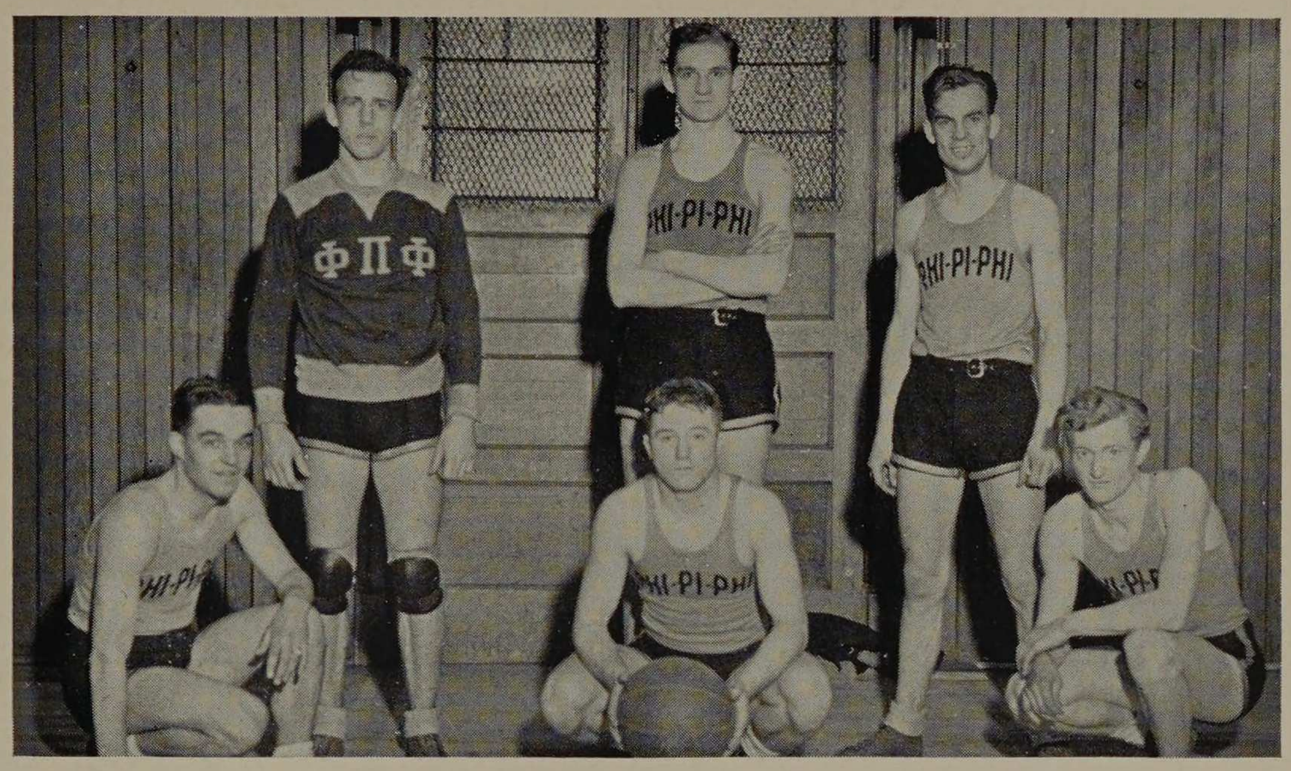
Most interesting interclass baseball activity permeated the campus as the schedule of the various games was revealed to the respective classes. The initial strife between the incoming freshmen and the somewhat better organized sophomores gave promise of a heated battle. Rumors to the effect that the freshmen possessed unknown strength disturbed the sophomore aggregation. The truth of this became evident after the latter had received a 4-1 defeat. In the contest between the upper classmen, the seniors' 4-0 triumph over the juniors disclosed a well balanced unit of diamond men. That the teams were evenly matched was shown in the championship game. The first tilt ended in a 3-3 score necessitating a replay. With a last inning rally the frosh overcame the seniors' early lead and carried away the diamond honors.

With the coming of basketball, the class rivalry was again aroused. The sophs revenged their baseball loss by defeating the frosh 21-19 in a hard fought game. Finishing strongly, the second year men registered a 27-12 victory over the very confident juniors who had triumphed over the seniors.

Another upset in interclass competition occurred at the University of Chicago fieldhouse where the sophomores garnered 21½ points to win the track meet.



Sophomore interclass basketball champions



Phi Pi Phi basket-ball team

Inter-fraternity champs

INTERFRATERNITY ATHLETICS

Love for fair play and clean sportsmanship has raised intra-mural sports at Armour to a high level. For the glory of his fraternity a man will do his utmost. Each individual receives an added thrill upon perceiving honors bestowed upon his brotherhood.

Such competition is displayed annually in the various sports promoted by all fraternities. Perhaps the most interesting of these is the interfraternity basketball round. Phi Pi Phi showed considerable headwork in their victory over Delta Tau Delta in obtaining the third leg of their fifth consecutive trophy.

For the second time in succession Triangle has won the intra-mural track meet by collecting 59½ points to its credit. Taking eight first places out of a possible thirteen, their vast superiority could be readily seen. Sigma Kappa Delta, who came in third in the last year's competition was second with 23 points while Rho Delta Rho and Beta Psi tied for third honors with 18 points.

Added interest in tennis and golf gave rise to much competition. Delta Tau Delta seems to hold the edge in having fine players in these sports.



The victorious Triangle track team

if, by some great catastrophe, the book containing all engineering be destroyed, but our present state of civilization and our fundamental knowledge of science be left to us, we should soon be able to replace our loss. but, should all our scientific learning be snatched away, our engineering would decay, our civilization would retreat, and we would be set back again into the age of the illiterate, savage barbarian. science, in its widest significance, is the generalization and organization of the divisions of knowledge. for many centuries, science of a sort was perceived by but few men, and, in fact, was reserved for, or restricted to them.

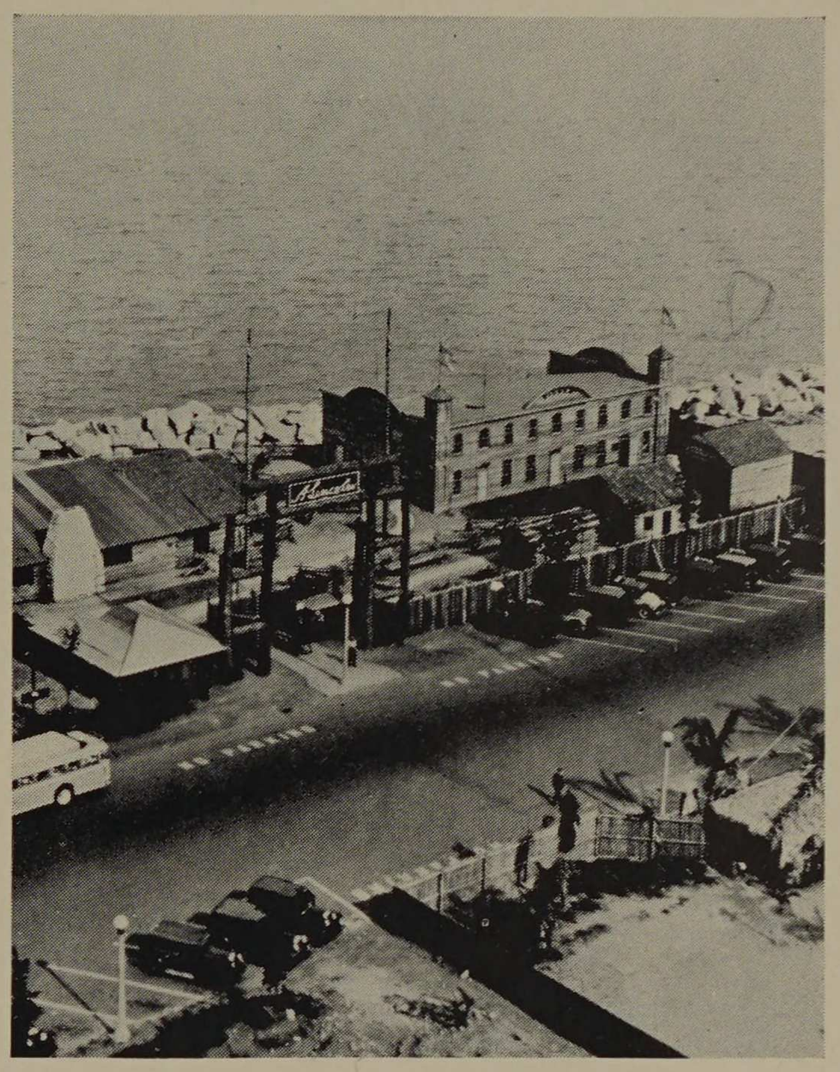
ORGANIZATIONS

but during the years from then to now, has been built up, through publication, society, and club, a comprehensive and universal system for the dispersing of all knowledge, scientific or liberal.



■

a good book, be it a story, a history, a treatise, or a text should be a prized possession to any and all of use as was that famous "life of george washington" which was soiled by the rain that seeped through the logs of the cabin wall, and which was paid for by days of toil in a neighbor's field.



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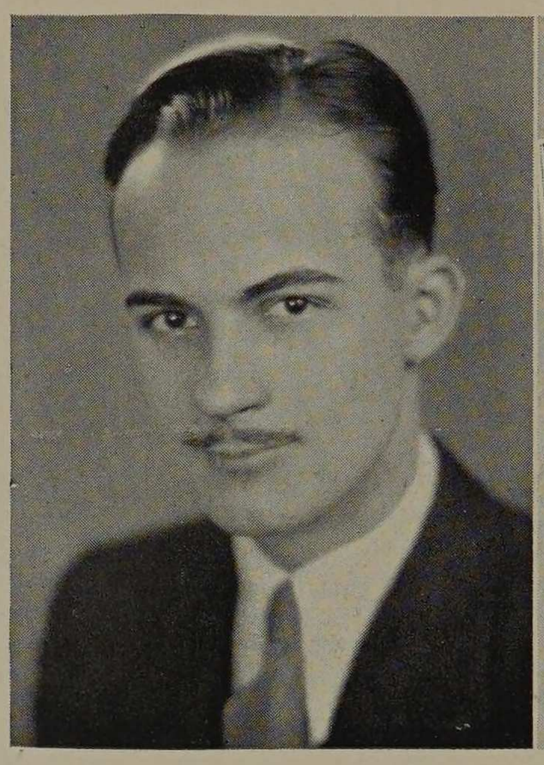
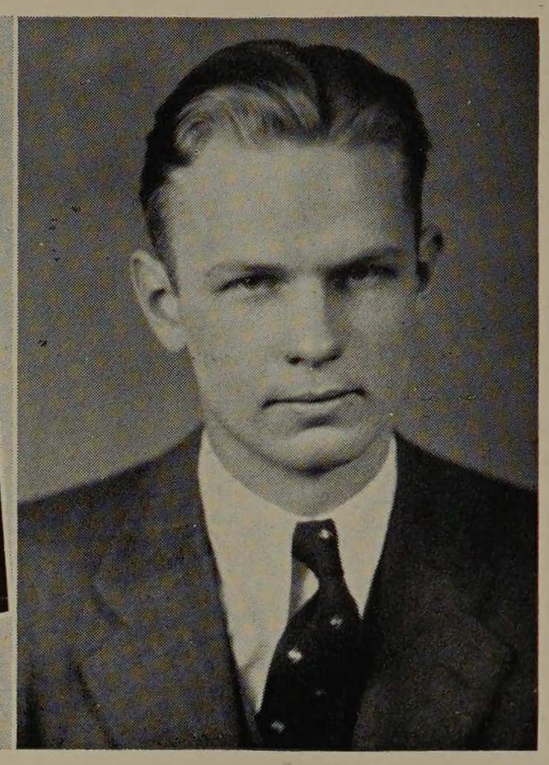


C. K. Simons





E. G. Lundin

THE CYCLE, 1933

In compiling and editing this book, the Cycle of 1933, it has been our endeavor to present accurately an account of the events which have taken place and to carefully record the achievements which have been accomplished during this period. We have attempted to capture in picture and printed word the typical or particular Armour life as well as the usual college activity and to confine them both within these pages for our present pleasure and perhaps as a means of recalling to mind certain joyous occasions at a time when these might have faded from our memory.

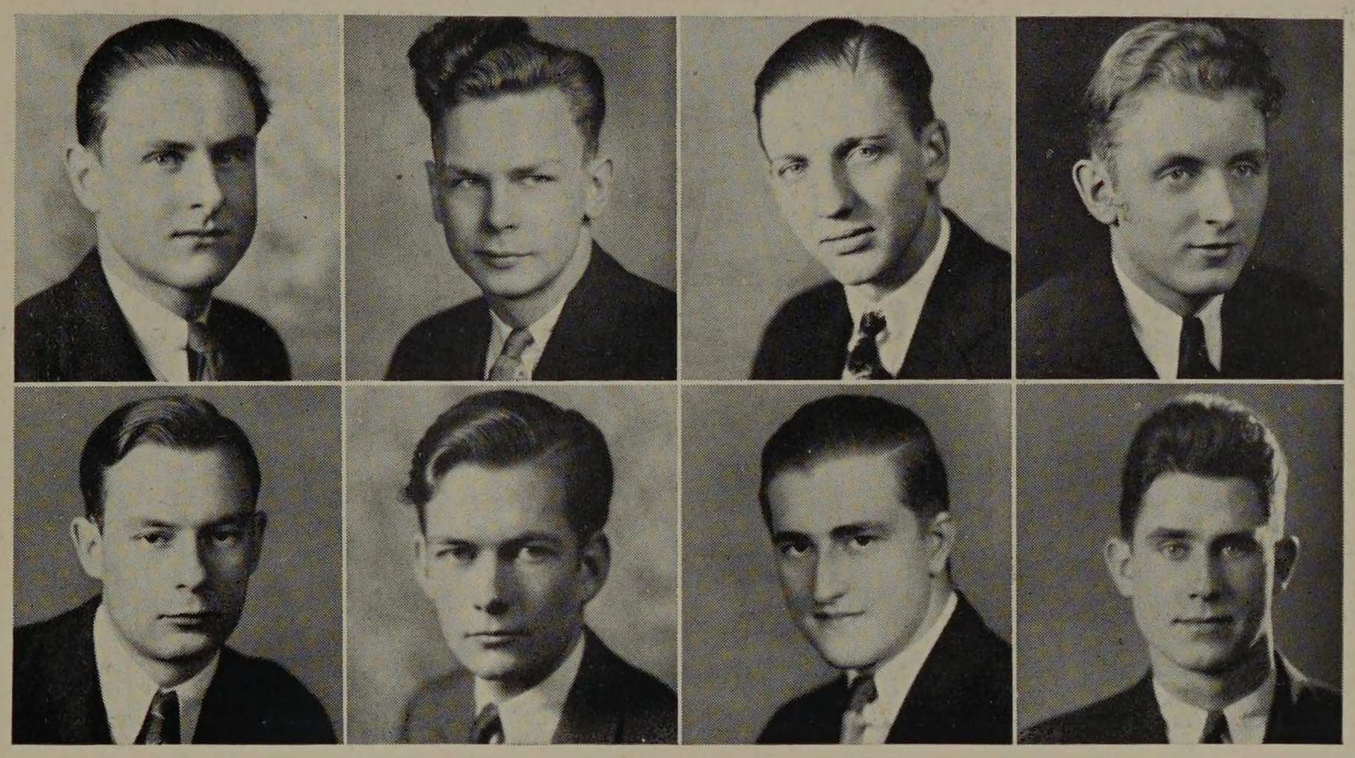
The gathering together and organizing of material for the Cycle of 1933 was a responsibility, or rather an opportunity, which we all accepted with the determination to do our best in trying to produce a book that would be received favorably. We hope that the result of our effort has not fallen short of our desires.

To the members of the staff who have put forth so much effort and who sacrificed so many of their crowded hours toward the successful completion of their specific assignments and our combined result, we are most sincerely grateful.

President Hotchkiss, Dean Penn, Dean Heald, and Mr. Allison were ever ready to lend an ear and a hand to the solution of our problems. The Faculty Committee, Professor Mangold, Professor Perry, and Professor Spencer, under whose supervision we were privileged to work, proved an inexhaustible source of assistance and advice.

Without the aid of Mr. Enoch V. Linden and Mr. James A. Motherway, the difficulties encountered in the actual building of the book might not have been so easily removed. We are especially grateful to Mr. H. H. Brinker for his courtesy in granting permission to use pictures from the Century of Progress.

The end of our task brings also an end to the pleasant associations created by it. This we regret, but, as has been the world's way for all time, one relinquishes the hold, another takes it up, and so continues the natural progress.



Peavey, Jacobson, Sachs, Lange
Irion, Davidson, Brenner, Lukas

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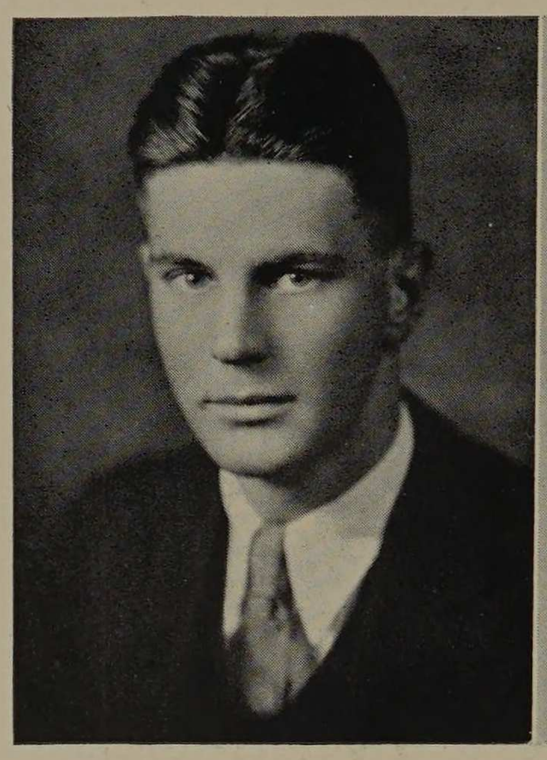
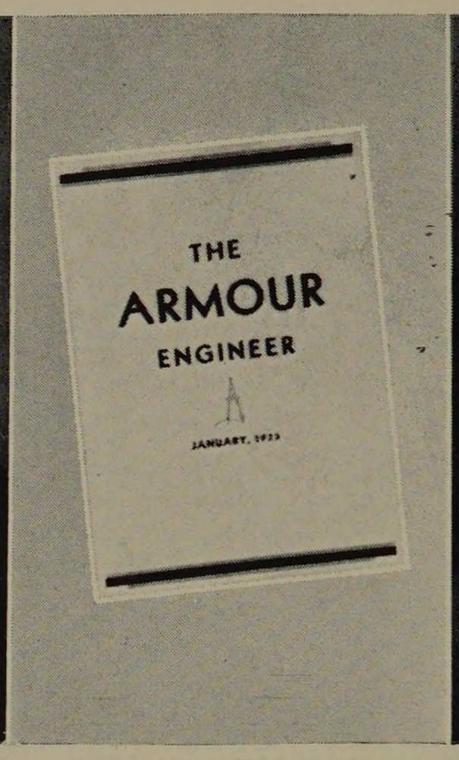
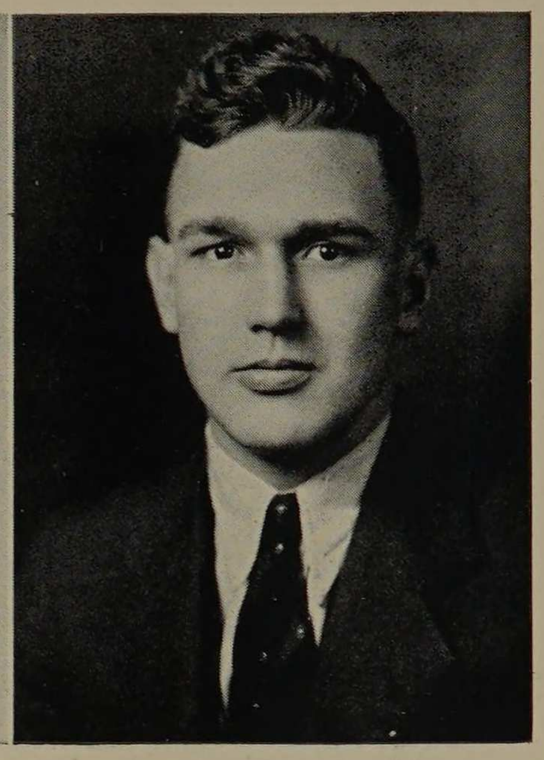


Jarl T. Sorensen





Edmund P. Lomasney

THE ARMOUR ENGINEER

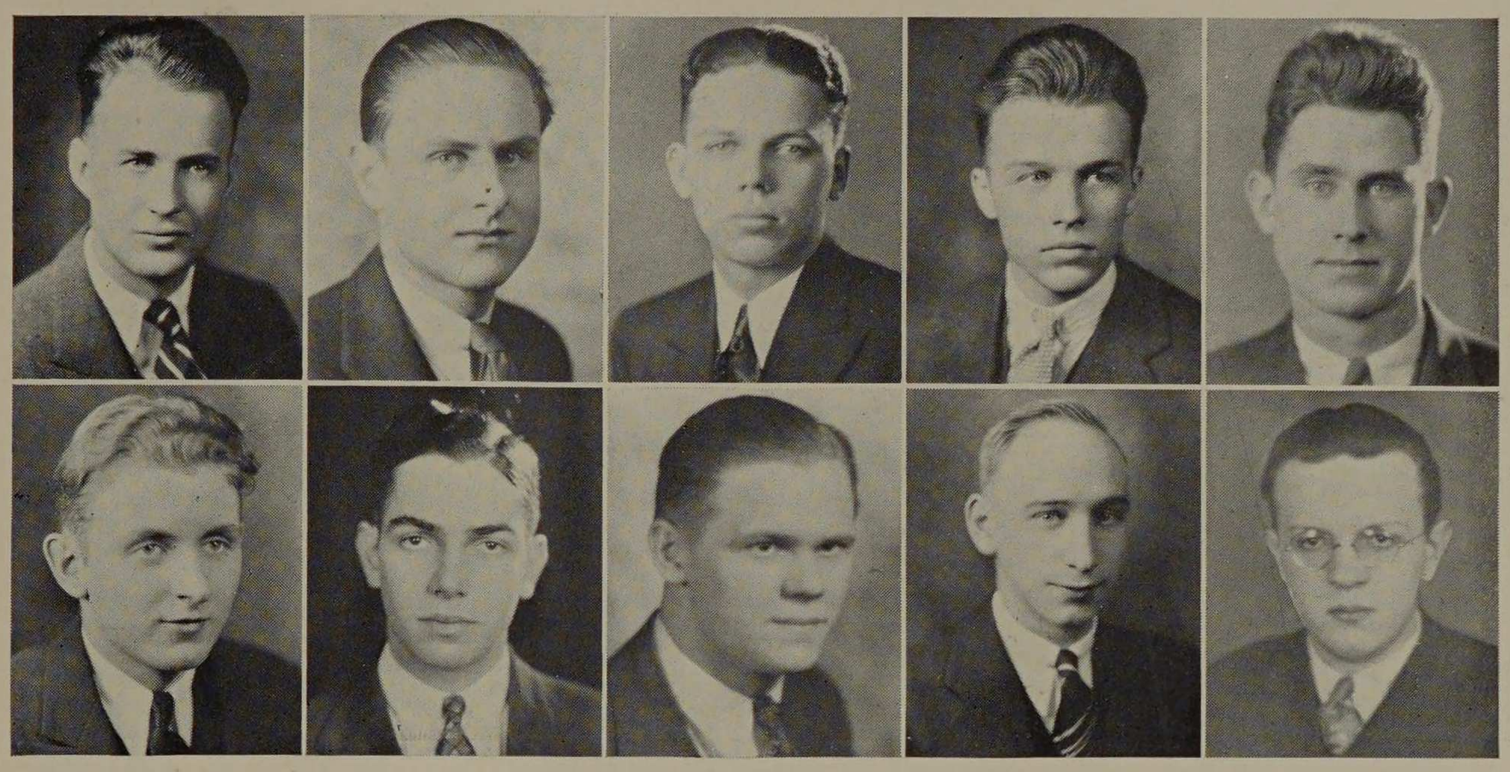
The first Engineer was distributed twenty-four years ago, it then being a small technical journal with articles written solely by alumni and faculty members. There were no under-graduate contributions and no interesting departments to present valuable technical sidelights.

Capable student staffs carried the magazine on, always developing it in some manner, with new sections added, or in the more subtle way, with advanced styles of type and format. The Armour Engineer became a member of Engineering College Magazines Associated in 1924. Succeeding staffs rapidly absorbed all there was to be gained from this affiliation and very soon rose to a peak position among its member publications. In the 1931-32 academic year a full analysis of E.C.M.A. and its value found the Engineer easily in the fore of the member magazines, with little to gain in experience and content from its affiliation. Decisions to modernize the format and realizing the situation as stated above the Engineer's withdrawal from membership was rendered desirable.

The new Armour Engineer was first presented to its readers in this 1932-33 season. It has set a new high standard in college publication content and format. Each issue has carried five or six feature articles, authorship being equally divided betwen faculty members, outstanding alumni, graduate engineers and technical men, these not of necessity being connected with Armour in any manner, and undergraduate students. Of this latter class, certain outstanding student articles, prize-winners of the society and honorary fraternity contests, were presented.

The numerous departments, some radically new, some merely newly titled, all cover their respective fields thoroughly and interestingly. These are The Technical Bookshelf, Technical Abstracts, Engineering Progress, The Guest Editorial, The College Chronicle, and Contributors' Page.

The Armour Engineer is an imroved magazine; its contents involve much thought and work on the part of each staff member, and should be of a very real value to all the readers. Its present fore position among technical college publications is secure and will be elevated even more in the future.



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Lange, Kreisman, Krol, Ream, Noerenberg

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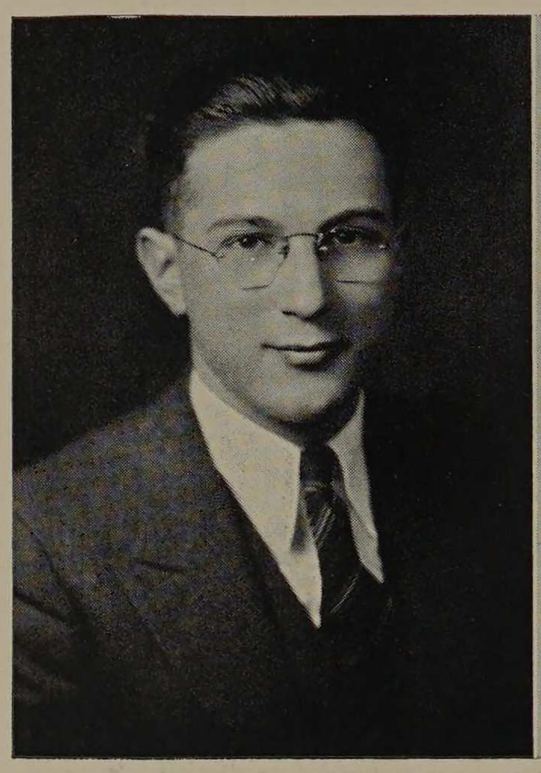
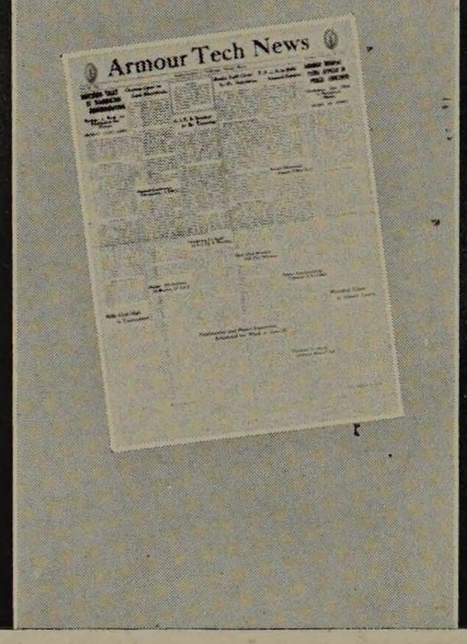
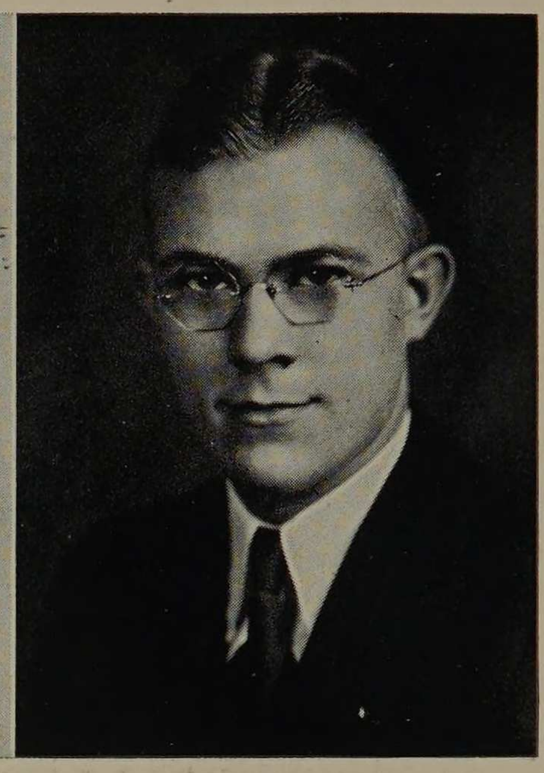


Orville T. Barnett





Raymond E. Nelson

THE ARMOUR TECH NEWS

The Armour Tech News is the official newspaper of Armour Institute and is published weekly throughout the school year. The task of publishing a weekly paper is a sizable one, and the entire staff is to be commended for the very fine work they did this past year.

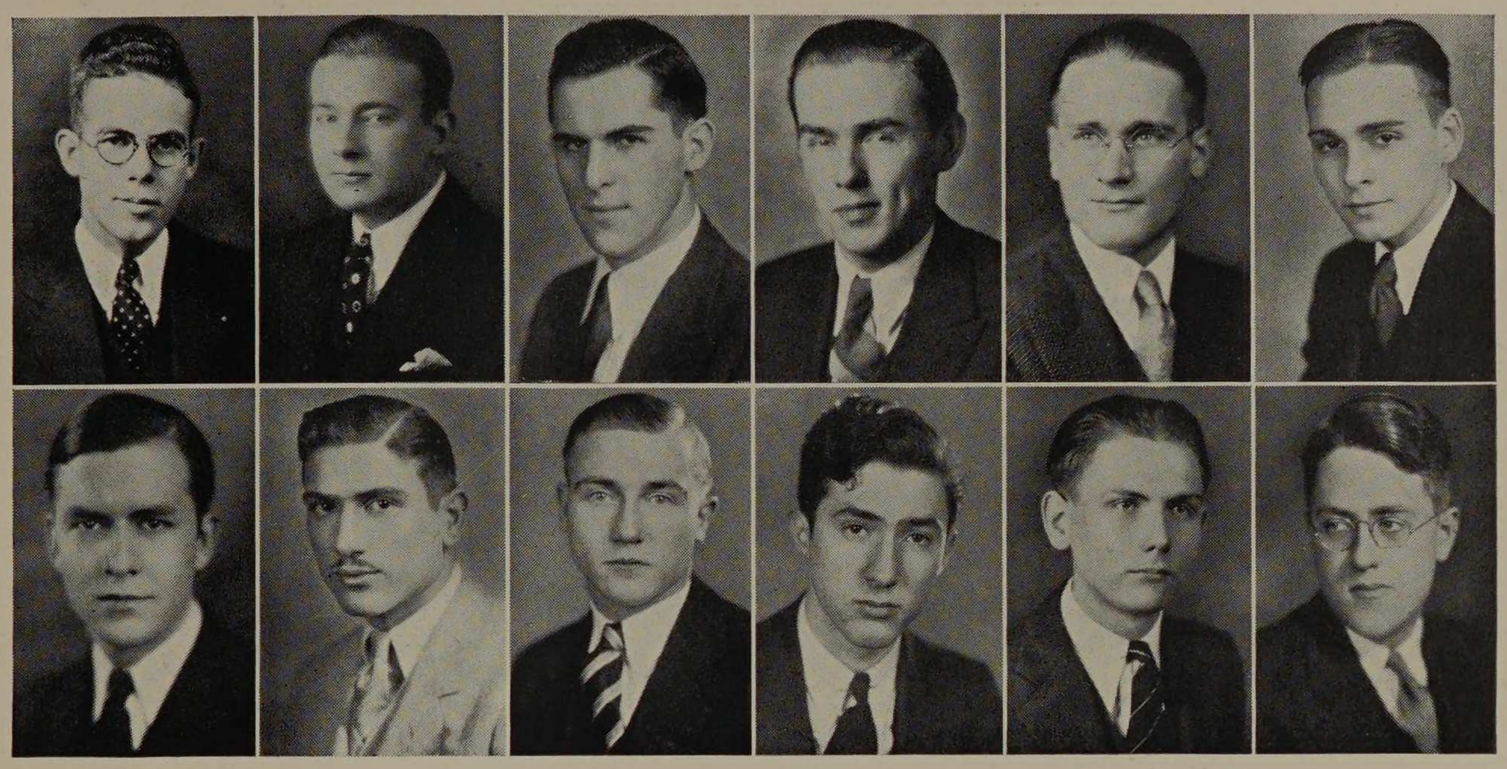
The original purpose of the organizers of the Armour Tech News was to present to its readers an unbiased account of all the happenings pertaining to the school, and this still remains as the aim of the paper today. The variety of problems which have arisen in the attempt to achieve this ambition have each been accorded due thought, with the result that they have all been successfully solved. Today the paper may truly be said to have accomplished its purpose.

By virtue of its position, the Armour Tech News is the nucleus about which all campus life is centered. It is the very important organ which connects the student body with student activities. It is the source of daily campus information, the distribution of which is vital if school interest is to be maintained.

The members of the staff and their assistants have been required to donate time and talent that this instrument may properly function. Their reward has been two-fold. They have gained experience and knowledge they could not possibly procure in any other manner, and they receive the inherent benefits which are always attained with self-sacrifice.

The Armour Tech News is a member of the National Scholastic Press Association and, although making journalistic perfection secondary to the desires and needs of the student body, received a first honor rating from the Association's critical service. Two members of the staff attended the national convention in Cincinnati this year, but the coming year brings the convention to Chicago and gives every member the opportunity to meet representatives of other papers.

Five years ago the News was born amid a general feeling that "it could not be done." The News has proved that a newspaper has a definite place in Armour and has become an accepted feature of student life.



Juvinall, Rychlik, Eberth, Colburn, Paine, Bodinson
Kenner, Morris, Ellis, Fishman, Becker, Erisman

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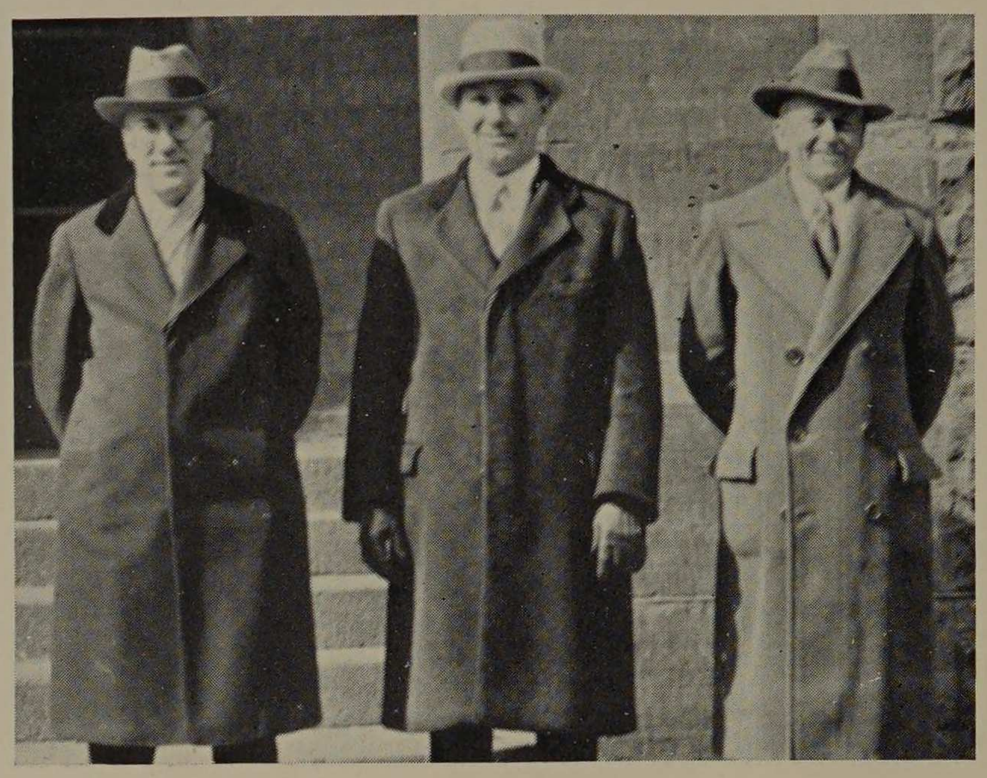

Perry, Spencer, Mangold

THE FACULTY COMMITTEE

Professor John F. Mangold
Chairman

Professor Robert V. Perry

Professor Walter A. Spencer

The Cycle is very largely a product of the efforts of the student editors. However, there is a faculty committee which advises and co-operates with the editors in regard to the character, scope and makeup of the material presented. The duties of this committee are not very arduous, and still from time to time there is important work to be done. The members have read all the copy and have made any necessary corrections.

The members of the committee feel that the editors have used good judgment in their selection of material, and have succeeded in retaining a well ordered balance. We like to see our pictures, and knowing this human frailty, our editors have obliged us.

Anyone who has ever had a part in producing a college year book must know the immense amount of thought and energy that is demanded in sensing the ebb and flow of student life. Our editors have caught the lights and shades as well as the colors without which any portrayal is very inadequate and also misleading. The Cycle presents a colorful panorama of the four classes of student life with its intimate background of study halls and dusty tomes.

We of the committee trust that all who had a part in producing this volume derived as much pleasure as we did in seeing the growth and completion of the work.

By the Committee.



Colvert, Grafton, Finnegan, Paul, Hendricks, Peebles, Lomashey
Sorensen, Juvinall, Nelson, Kreisman

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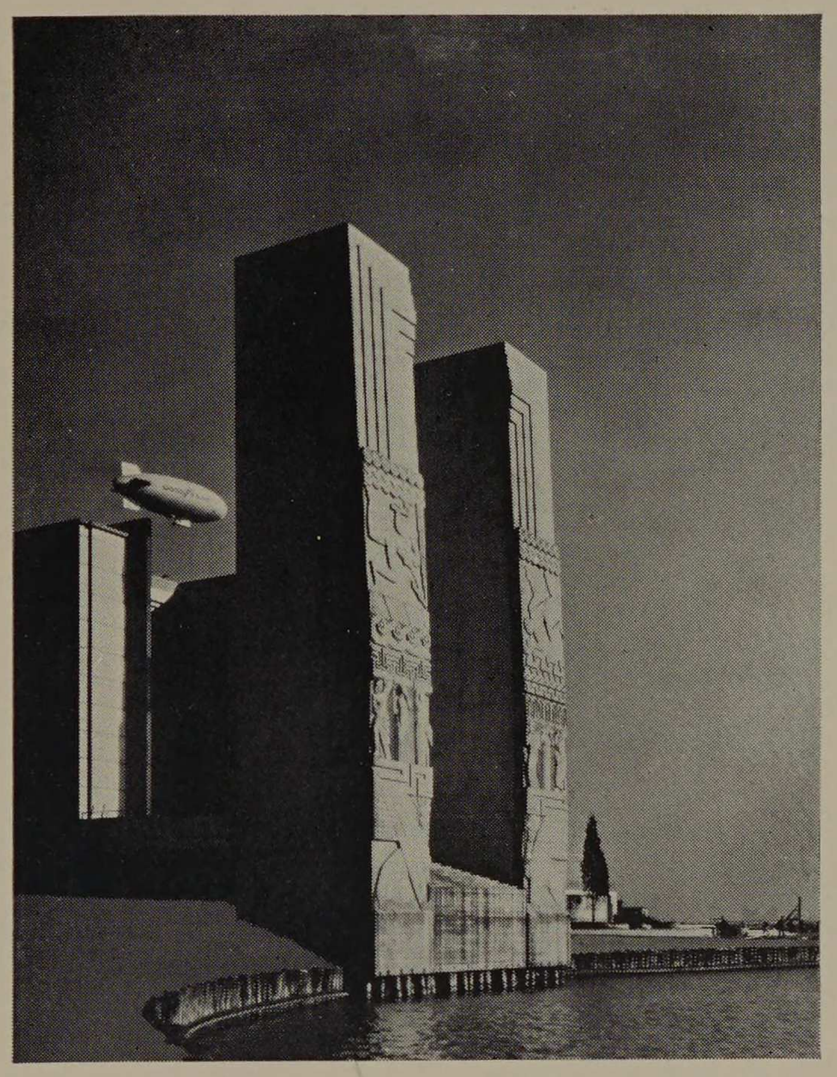
The Board of Publications was organized in the spring of 1932, for the purpose of guiding and governing the editorial and publishing policies of the student publications. This board, composed of six students and six professors, with the co-operation of the head of the Publicity Department of the Institute, is divided, for the sake of efficiency, into two groups of three students and three professors each, one group directing the affairs of the Armour Engineer, and the other the Armour Tech News. These committees are responsible for the management of their own affairs, but answerable, at the same time, to the Board, which, at its monthly meetings, decides upon the resolutions and recommendations of the separate groups.

For the year 1932-33 the student members of the Engineer committee have been Jarl T. Sorensen, H. Kreisman, and E. P. Lomasney; the faculty members, Professors C. E. Paul, J. B. Finnegan, and J. C. Peebles.

The student members of the News committee have been Orville T. Barnett, James W. Juvinall, and Raymond E. Nelson; the faculty members, Professors Walter Hendricks, W. W. Colvert, and E. C. Grafton.

The Board of Publications has been in existence for only a year, but from the results already accomplished, one can easily appreciate the wisdom of having confided the affairs of so important a department of the Institute as its publications to the control of this autonomous group.

through the majestic water gates of the electrical group will enter many visitors to its exhibits, and through the portals held open by our ever helpful engineering societies will many of us pass to success in our chosen professions.



ENGINEERING SOCIETIES



Raymond J. Dufour

RAYMOND J. DUFOUR
President

PAUL A. CARLSTONE
Vice President

HAROLD J. MONGER
Secretary

NORMAN C. PENFOLD
Treasurer

AMERICAN SOCIETY

The Armour Branch of the American Society of Mechanical Engineers caught the spirit that has prevaded the atmosphere of our Institute during the past year. It started the year's activities with a new plan, or, more correctly, an old plan that has been more or less ignored in the past.

At the first meeting of the Society a motion was passed to the effect that student talks on engineering topics should be encouraged in every possible way. To make this more than a mere resolution, a committee was immediately appointed and given certain specific duties to perform. They were to ask members to speak when there were no volunteers, to arrange the date of presentation of the speech, and to check the preparedness of the students before they addressed the meetings.

This new plan shows a shift in the educational policy, in-so-far as the student body itself determines it. It is part of a marked tendency toward the desire for liberalizing studies. Members of the Society advanced the theory that the benefits of addressing an audience on an engineering topic was worth the time and effort of everyone concerned and that its meetings offered the only possibilities for so doing.



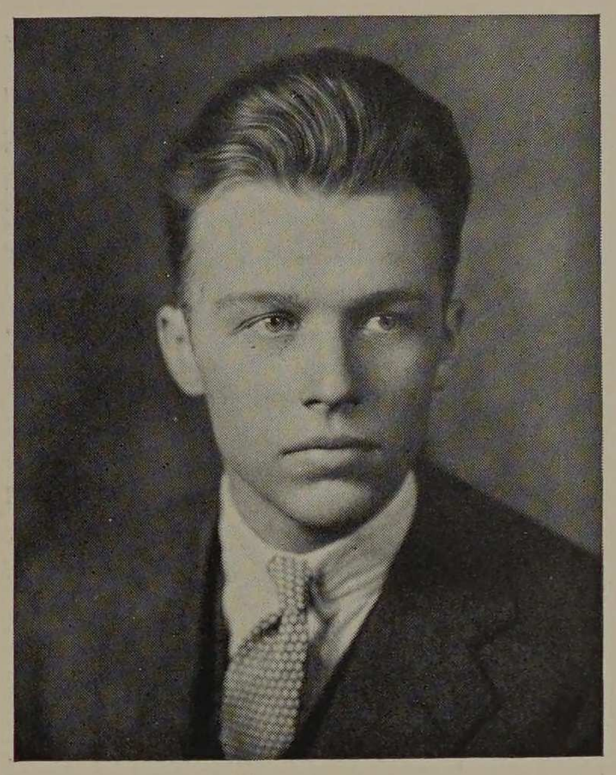
Simons, Suman, Johnson, Kolve, Lukey, Hanes, Traver, Egloff, Nelson, Mayer, Wandrey
Cislak, Hoffman, Phil, Campione, Erisman, Belton, Zvonecek, Goo, R. E. Nelson, Hensel
Fuhrer, Monger, Peebles, Huntley, Gebhardt, Roesch, Dufour, Penfold, Carlstone

OF MECHANICAL ENGINEERS

W. L. Abbot, chief engineer for the Commonwealth Edison Co., was the first outside speaker to address the group. He spoke on "The Value of Contacts for the Engineer" at an organization meeting. Mr. Abbot has often addressed the Society in past years and can be considered one of the staunch friends of Armour Institute of Technology. At the same meeting, Ernest Hartford, district secretary of the American Society of Mechanical Engineers, gave a short explanation of the membership plan on which the student branches operate.

A general discussion meeting was called in which the topic was "The Status and the Desirability of Shop Work as Now Given in the Mechanical Engineering Course." Each member offered his own opinion and suggestions. A motion was passed favoring a modification of the shop classes and the using of the time thus gained in studies of a non-technical nature.

The social functions of the year consisted of bi-annual smokers at which both students and faculty members were present. These affairs always arouse an enthusiastic response, since, in the ordinary course of the school year, opportunities for professors and their pupils to meet in a social manner are rare.



Harold J. Monger

American Society
of Mechanical Engineers

Organized—1880

Incorporated—1881

Armour Branch
Senior Mechanical Club

Organized—1905

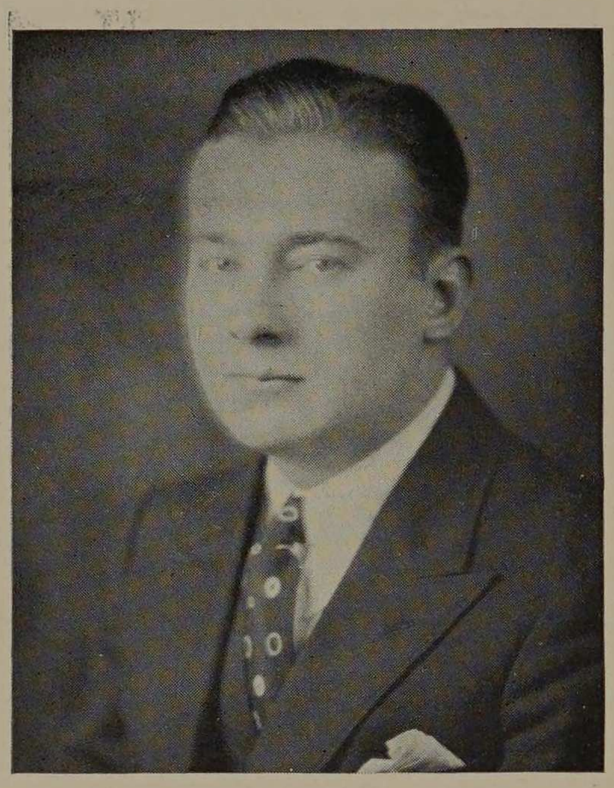
A.S.M.E. Charter—1909



Three inspections in one day



Annual A.S.M.E. smoker



Robert F. Rychlik

ROBERT F. RYCHLIK
Chairman

ELROY A. SNELLING
Vice-chairman

DONALD O. SCHWENNESEN
Secretary

WESLEY T. DUMSER
Treasurer

ERNEST H. FREEMAN
Faculty Advisor

AMERICAN INSTITUTE

At the beginning of this school year, the American Institute of Electrical Engineers, Armour Branch, took another step in the furthering of the participation of students in the activities of student organizations. In the past, it has been the custom of the society to hold meetings every two weeks and to have some person prominent in the engineering field speak, or to have an illustrated lecture by means of moving pictures.

This year, in addition to the talks by outside parties, the organization voted to have students prepare speeches on engineering topics, and deliver them before the assembled members. The training and ability of the members proved that engineers really can speak intelligently and profusely.

At the first regular meeting of the branch, on October 7, 1932, Mr. M. J. Maiers of the Central Station Institute, gave an interesting talk on the subject of air conditioning. He discussed the detrimental effect on health caused by the presence of dust and smoke in the air, and described an interesting experiment made on a group of people subject to hay fever. When the patients lived in a room in which the air was conditioned, the hay fever disappeared.



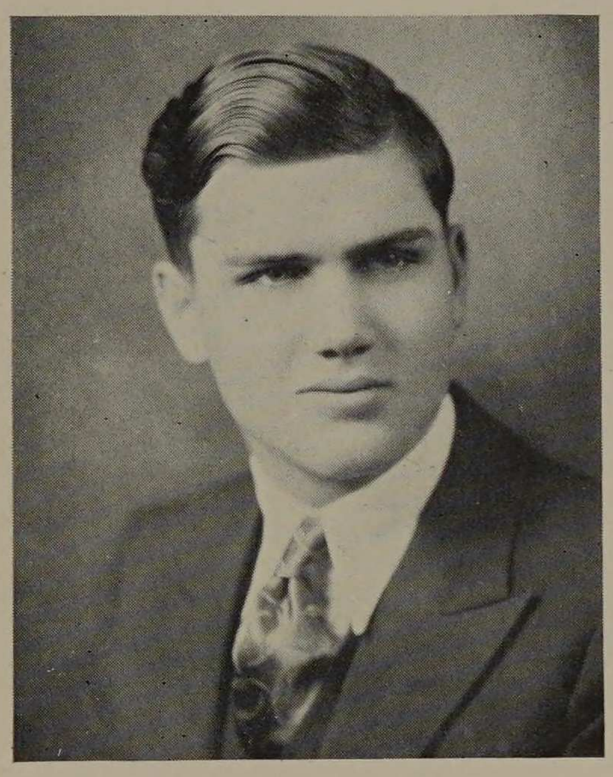
Knudson, Kaiser, Kerrigan, MacIntyre, Peterson, Hallen, Meyer, Hulswit, Dombrowski, Hume, Demikis, Reber
Reardon, Fernbach, Dumser, Krause, Dunham, Tyler, Collick, Morrissey, Gess, Job, Reynolds, Rowe
Schwennesen, Snelling, Priban, Juvinall, Eberth, Freeman, Rychlik, Di Orio, Lange, Wilson, Bronwell

OF ELECTRICAL ENGINEERS

November 18 brought Mr. Aubuchon, a division transmission engineer attached to the long lines division of the plant department of the American Telephone and Telegraph Company. He delivered an interesting talk on the use of carrier currents in telephone work, and traced through the various types of circuits employing carrier currents that have been used since the idea was first introduced.

A talk was given by Mr. Levy, assisted by Mr. Probst, on the dial type of telephone manufactured by his company, and illustrated by a demonstration with equipment. These men are engineers with the Automatic Electric Company. Mr. Levy traced the diagram of connections, and discussed the various types of relays used in the instrument. In connection with this topic, he had a group of relays mounted on a board. These could be energized to show their principle of operation.

The social activities have always consisted of two social meetings, one in the fall and the other in the spring. This year, a smoker was held just after the Christmas holidays, and an outing to the Indiana Dunes was planned for the enjoyment of members and friends during the spring.



Donald O. Schwennessen

American Institute
of Electrical Engineers

Organized—1884

Incorporated—1896

Armour Branch

Organized—1903



A.I.E.E. tramp



January smoker



Earl G. Beard, Jr.

EARL G. BEARD, JR.
President

BERNHARD H. LOESCHE
Secretary

WALTER A. MCWILLIAMS
Corresponding Secretary

NICK C. GIOVAN
Treasurer

ALAN D. BURNET
Student Representative

WESTERN SOCIETY

The Armour Branch of the Western Society of Engineers was founded in October, 1919, for the purpose of advancing the science of engineering in the best interests of the profession. The means employed to reach this end are the bringing before the young men of the Society such men as have credited the profession by their work, and the fostering of direct contact with latest developments through inspection trips.

The first meeting of the current year was held on October 7, at which time we had the pleasure of hearing Mr. T. L. Condron of Post and Condron, Consulting Engineers. Mr. Condron's talk was of especial interest, describing, among other experiences, those secured in designing the steel structure to support the bells of the mighty carillon installed within the tower of the University of Chicago Chapel.

On November 18, Mr. Brumley, president of the Western Society of Engineers, visited us and presented an interesting discourse on his experiences from his days in college to his present status.

During December, Mr. R. Owens of the Calumet Steel Co. brought us an illustrated lecture on the manufacture of rail steel and reinforcing bars. This moving



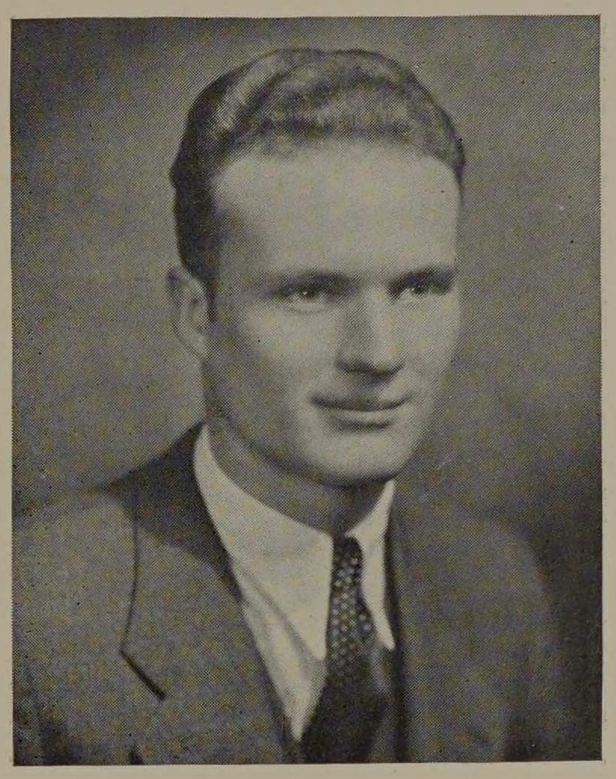
Simpson, Koko, Gabriel, Beemsterboer, Pflum, Colburn, Davidson, Meacham, Bacci, Castanes
Donnellan, Mauer, Poedtke, Smith, Kampwirth, Streb, Stasiulis, Machinis, Prahin, Cosme, Bottorff
Rosenfeld, Hanrahan, Loesche, Alexander, Callen, Schreiner, Storey, Kuehn, Ruben, Kostenko
Burnet, Giovan, Jacobson, Spears, Ensz, Wells, Stevens, Heald, Beard, Krawitz, Meyer, Pfeiler

OF ENGINEERS

picture was an inspection trip in itself, giving many unusual photographs of operations performed in the manufacture.

Two inspection trips were held which afforded the utmost in benefit and pleasure to all the men who attended. The one brought us an extended tour of Chicago's water supply system, including a trip through the new 16 ft. tunnel at Chicago Ave., a boat trip to the cribs, and a visit to the North Side pumping stations. In addition, all the bridges on the river from the lake to the West Side incinerator plant were inspected, as well as the plant itself. The second covered an inspection of the West and North Side sewage disposal plants of the Sanitary District. Both of these trips were beneficial in that they offered a means of seeing the actual application of some of the theories which we discuss daily in the classroom.

The semi-annual smoker was held on December 14 at the Triangle Fraternity House. All the requisites of an enjoyable evening were on hand, wherein we might enjoy an acquaintance with our fellow classmates in a spirit unattainable in the class-room. The Chi Epsilon pledges furnished the entertainment with an hilarious satire befitting the occasion and enjoyed by all.



Bernhard H. Loesche

Western Society
of Engineers

Organized—1869

Incorporated—1880

Armour Branch

Armour Civil Engineering

Society—1906

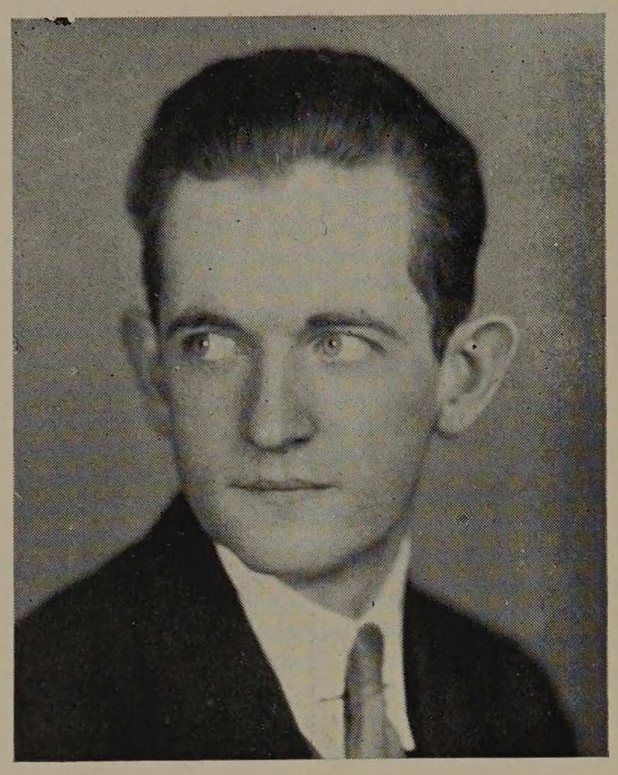
W.S.E. Charter—1919



December 14 smoker



And more smoke



Allen H. Helmick

ALLEN H. HELMICK
President

ROBERT H. SCHORLING
Vice President

ALFRED KAPECKI
Secretary

VINCENT J. GALVANI
Treasurer

AMERICAN INSTITUTE

During one of the most successful years of its existence, Beta Chapter of the American Institute of Chemical Engineers has been very fortunate in being able to present some of the outstanding men in the field of Chemical Engineering to the students of the organization. The bi-weekly meetings of the Society have all received the whole-hearted support of the upper classes.

The organization meeting was held on October 7, for the purpose of formulating a plan for the year's diversified activities. A speaker's committee was immediately formed, consisting of the most prominent men in the group, to interview potential speakers. The men were chosen with careful and critical judgment; chosen so they might enlarge the knowledge of the active student body along varying lines.

On December 2, the Chapter had the privilege of hearing Dr. Clarence G. Muehlberger, county toxicologist and consulting chemist for the Scientific Crime Detection Laboratories at Northwestern University, speak on the subject "Industrial Poisons." This was a very timely subject for the Seniors who were encountering various poisons in their work. Dr. Muehlberger graduated from the Armour Institute of Technology in



Schmidt, Miller, Schavilge, Renstrom, Lauchiskis, McFarland, Williams, T. Omiecinski, Berger, Thompson, Riesz, Lyford, Babcock
Lang, Hollmann, Levin, Booth, Marty, Johannisson, Adamec, Luckerman, Ream, Highman
Levy, Galvani, Miller, Noerenberg, Mullane, Gundersen, Helmick, Winogrond, Lomasney, Paine

OF CHEMICAL ENGINEERS

1920, and obtained his Doctor's degree at the University of Wisconsin.

On December 9, a joint meeting with Alpha Chi Sigma, professional chemical fraternity, was held for the purpose of co-ordinating the work of the two groups. Dr. V. W. Meloche, Assistant Professor of Inorganic and Analytical Chemistry at the University of Wisconsin and officer of the Grand Chapter of Alpha Chi Sigma, addressed the group. He gave an illustrated lecture on the scientific study of lake water and its effects on fish life. Dr. Meloche also described the details of micro-analysis used in the testing of lake water.

The yearly smoker was held on December 29, at the Phi Kappa Sigma House. Here the difficulties of the struggling embryo-chemist were forgotten as the evening passed on wings of laughter and good cheer amidst the smoke rings and cards.

The struggle for the Schmier Chemiker trophy has been very intense this year. This, the official trophy of the organization, is a replica of a broken flask, engraved suitably, and attached to a safety pin. It has changed hands very rapidly, the better members of the Senior Class outdoing themselves in their earnestness.



Alfred Kapecki

American Institute
of Chemical Engineers
Organized—1908

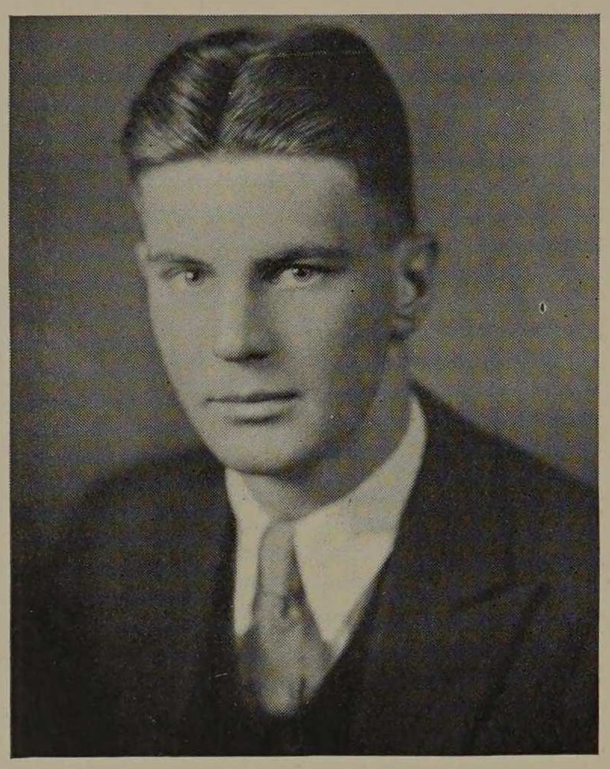
Armour Chapter—Beta
Armour Chemical Engineering Society—1903
A.I.Ch.E Charter—1923



Chemists in the Field Museum



Spring smoker, 1932



Jarl T. Sorensen

JARL T. SORENSEN
President

OTTO W. STAIB
Vice President

CARL N. CLANTON
Secretary

BRADFORD LARSON
Treasurer

PROF. J. B. FINNEGAN
Faculty Advisor

FIRE PROTECTION

The Fire Protection Engineering Society is an organization which strives to maintain interest in the field of fire protection engineering, and to give the members a definite contact with men in the field. An attempt is made to secure a prominent and successful insurance man or fire protection engineer to speak before the Society bi-weekly, the speakers to be selected from every conceivable branch of the work. The Society is not maintained solely for the gathering of technical information, however, but succeeds in carrying on an abbreviated social program in the form of a smoker held in the early spring of the year.

The first speaker of the past year was Mr. F. J. Prindeville of the Chicago Fire Prevention Bureau. On October 21, he gave a very interesting talk on the work of the Bureau and its developments. Shortly after, on October 28, the Society had as its guest speaker, Chief McDonald of the Fire Prevention Committee of "A Century of Progress." He gave some very valuable information concerning the fire fighting facilities of Chicago's second World's Fair.

On November 14, Mr. F. C. Snapp of the Farm De-



Peavey, Marow, Hedin, Kerlin, Freitag, Sorensen, Lukas, Neal, Rasmussen, Larson, Zibble, Shaw
Bannasch, Steinhaus, Berglund, Gura, Carlstrom, Ahern, Davison, Pechman, Vanderpoorten, Dobson
Mills, Curran, Weldon, Becker, Peterson, Anderson, Sademan, Snapp, McCarty, Wheaton, Kuffel
Biegler, L. S. Anderson, Bodinson, Kenner, Swanson, Sachs, Staib, Cunningham, Schrage, Duphorne, Clanton

ENGINEERING SOCIETY

partment of the Aetna Insurance Company, gave a talk on a phase of the business that is very little understood in many insurance circles. He explained the problems and experiences in the farm departments of the stock fire insurance companies.

The annual smoker was held at the Theta Xi House in March, and from all outward appearances the depression has not affected the general ability of the students to have a good time . The early part of the evening was given over to entertainment in the form of card playing and the handling of what our dear friend and associate, Professor Finnegan, would term "friendly" fires—cigars and pipes. Mr. J. V. Parker congratulated the boys on their fine records in school and in the Bureaus at their summer work. He also gave some interesting information on the present status and future outlook of the Fire Protection Engineering Department.

At this time Carl Clanton, president of Salamander, presented Mr. George W. Wheaton with a copy of the Crosby-Fisk-Forster "Handbook of Fire Protection" for having obtained the highest average in the Freshman class of the department.



Carl N. Clanton

Fire Protection
Engineering Society

Organized—1913

Incorporated—1913



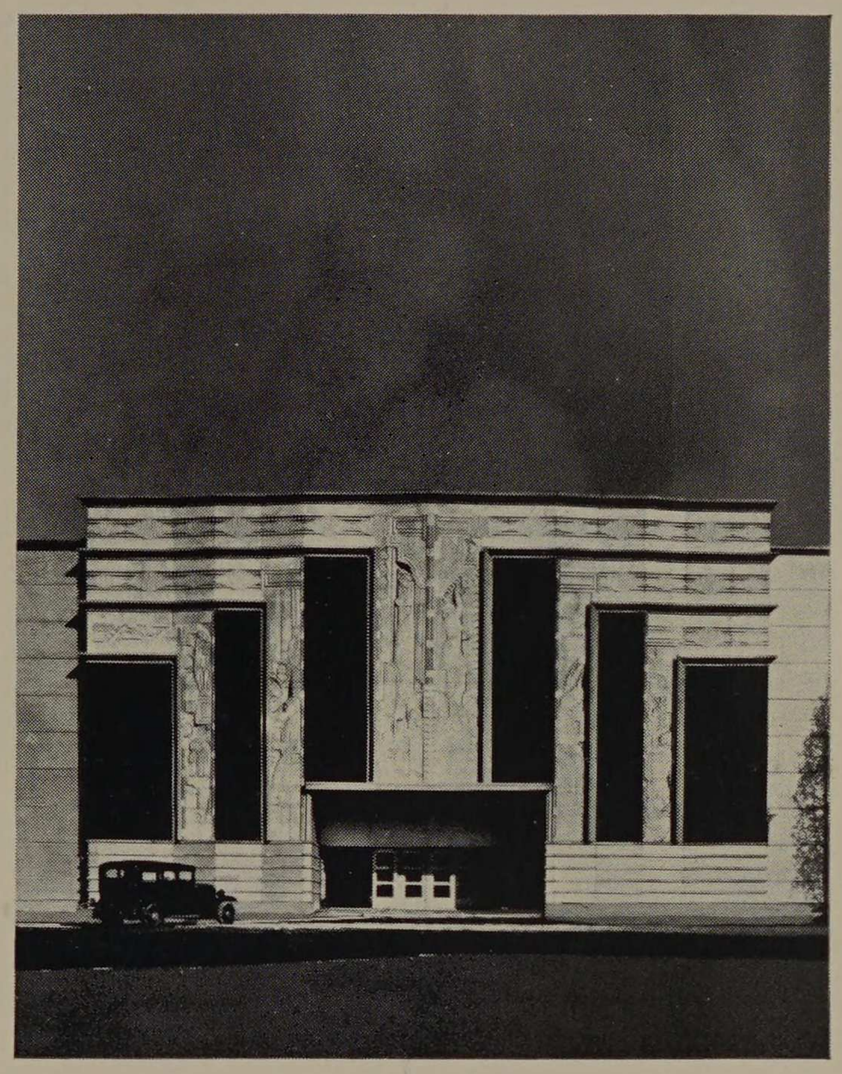
March smoker—1932



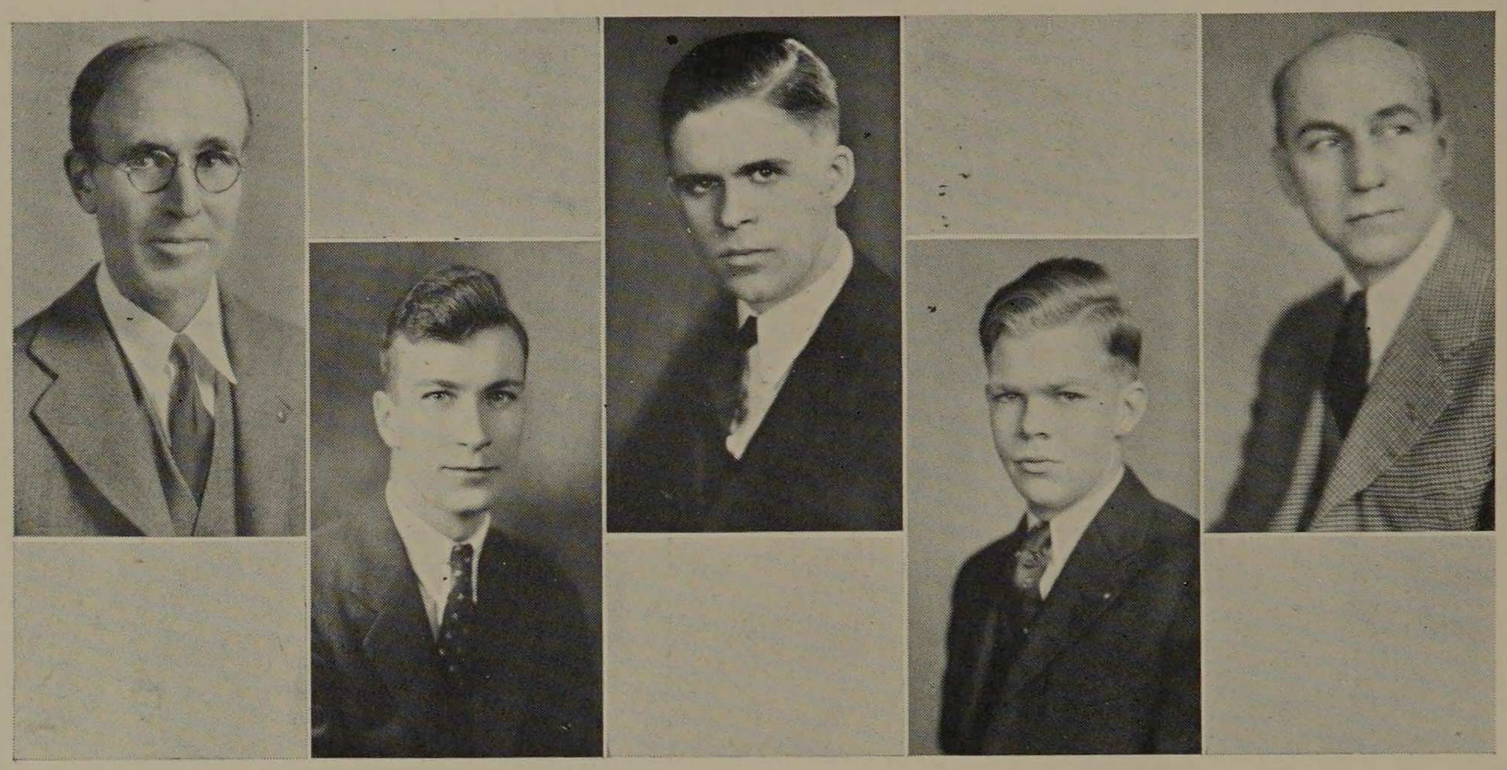
Right in their element

■

sounds in imitation of nature are believed to have been the first music. its simplest expression is in song; its deepest the symphony. musical appreciation is universal among nations and men for "a man without music is without soul."



MUSICAL ORGANIZATIONS



C. W. Leigh | A. L. Steinhaus | C. N. Clanton | R. F. Meehan | O. G. Erickson

ARMOUR TECH MUSICAL CLUBS

OFFICERS

Professor Charles W. Leigh ..... Faculty Advisor
Robert F. Meehan ..... President
Carl N. Clanton ..... Vice President
Norman E. Colburn ..... Treasurer
Edward G. Avery ..... Secretary
Clarence W. Clarkson ..... Manager

The organization known as The Armour Tech Musical Clubs was formed in 1922, the existing musical organizations at the time forming the nucleus of the new society. Since its founding, it has been the aim and desire of the club to foster the appreciation of music not only among its members, but among those who lacked the talent to join one of the musical groups.

The Musical Clubs combined to present to the faculty and to the student body a remarkable concert just before the Christmas holidays, the theme of which was in keeping with the spirit of the occasion. Again, at the Home Concert, given annually in May, a delightful program consisting of orchestral, choral, and novelty numbers, judiciously intermingled, marked the final performance of the year.

The clubs have been especially successful this year in accomplishing their ambitions, for the admiration of the entire student body has been focused on their achievements. This has resulted particularly from the fact that they have not been content with appearing only before the student body and the faculty, as in the past, but have also had several important radio engagements on musical concert programs, as well as rendering public concerts in various of the city's prominent



The 1932 spring smoker

hotels. This has not only been a means of furthering musical appreciation on a larger scale, but has also been an instrument whereby Armour Institute has received additional and desirable publicity.

The enterprising program has been viewed with surprise by many of the students, who did not realize to what extent the musical talent of the school has been developed. The outside engagements have done much to stimulate interest among the various members of the clubs, who previously have had only two opportunities to really show what they could do in the way of musical accomplishments, namely, at the Christmas and the Home Concerts. The added incentive to good work has led to a great improvement in the quality of music offered.

Another important development during the past year has been the reorganization of a band, the lack of which has been a serious problem to many of the students, who could not visualize proper school spirit without that necessary something that puts the punch behind the teams and men. Under proper leadership the organization of a band was again attempted, and its continued existence is definitely assured. A band is an important cog in the musical wheel at Armour, and we feel that it has come to stay. Certainly the progress it has made in the short time it has been organized has been enough to cause us to hope for a great future for this organization.

As in the past, all of the cares of the moment were set aside for a while on the occasion of the annual Musical Club Smoker. Here, amid an atmosphere of good-fellowship and amiability, these men who have worked so hard and gained such little recognition spent a very pleasant evening, when all but the joys at hand were forgotten.

Much of the success of the clubs in the past year has been due to the fine work done by Professor Charles Leigh, who continues to be Faculty advisor, and Mr. Gordon Erickson whose unlagging zeal and interest has marked his initial year as musical director. The Musical Clubs consider themselves fortunate indeed to have the co-operation of these men.



Kraemer, Wittekindt, Lang, Coleman, Knabe, Dalton, Johnson, Smith, Berger
Potash, Ader, Wieting, Lischer, Greenman, Lewis, Huster, Graham, Breh, Zibble
Stevens, Smetana, Nystrom, Brenner, Avery, Hillman, Christensen, Hensel, Kreft, Grakavac
Schmidt, Graham, Reardon, Collick, Clarkson, Ormsby, Dobson, Paslawski, Arenson, Koriath

GLEE CLUB

Mr. O. Gordon Erickson ..... Director
Arthur L. Steinhaus ..... President
Clarence W. Clarkson ..... Secretary-Treasurer
Howard J. Zibble ..... Business Manager

The purpose of the Glee Club is to provide its members with an outlet for pent-up emotions, which otherwise would be stifled in a sea of academic onslaughts. In furthering their objective, there is created a by-product in the wealth of entertainment and pleasure afforded to those who may listen.

Until this year, the audiences were unfortunately very limited in number, but a new policy has made possible the destruction of all barriers limiting the number afforded the opportunity to hear their concerts. This has been accomplished through radio appearance and engagements for public concerts in prominent hotels.

On February 26, the medium of the radio was adopted for the first time as an outlet for the Armour Glee Club activities. This was on the occasion of their appearance at the Edgewater Beach Hotel's Twilight Musicale, a program given every Sunday afternoon and broadcast over one of Chicago's premier stations. Its successful performance at that time was duplicated on the day following when a special choral program featuring only the Glee Club was presented over another radio broadcasting station.

The program of the Glee Club was also expanded through their appearances in public concerts given in leading hotels in and near Chicago. Besides appearing as guest artists at the Edgewater Beach Hotel Twilight Musicale, concerts were given, together with the Armour Orchestra, at the Belmont Hotel and at the North Shore Hotel in Evanston.

Mr. Gordon Erickson and Professor Charles Leigh are the faculty representatives with the Glee Club, and both have made themselves invaluable to the organization since assuming their duties.



ORCHESTRA

OFFICERS

Mr. O. Gordon Erickson ..... Director
Carl N. Clanton ..... President-Student Director
Harold W. Davidson ..... Vice-President
Alexander Kulpak ..... Secretary
Wilfred W. Davies ..... Treasurer

The Armour Orchestra is highly regarded among the musical units at the Institute. It is an integral part of our school life, and provides inspiration and entertainment to relieve the monotony which daily routine makes inevitable. The benefits accruing from association with an organization of this sort are incalculable. It forms a background of musical appreciation and culture, a lack of which has supposedly been an important part of every engineer's makeup.

Much of the progress made by the Orchestra during the past year, in raising the standard of music, its interpretation and execution, has been made possible by the untiring efforts of Mr. Gordon Erickson, director, and Mr. Carl Clanton, student director. The realization that Armour possessed a well-balanced, well-directed, orchestra was impressed upon the faculty and the student body on their first important appearance of the year, the occasion of the Christmas Concert. At that time they performed with all the finesse and tonal quality of professional musicians.

Increasing perfection made possible appearances in public concerts. The first of these, at the North Shore Hotel in Evanston, was given in conjunction with the Glee Club, and the approval of the audience supplied the only lacking element necessary, confidence. A second concert, sponsored by the Alumni Association of the Chicago Teachers College at the Belmont Hotel, was another opportunity which the Orchestra grasped at for further advancement. The final appearance of the year, at the Annual Home Concert, provided a fitting close to a year of achievement.

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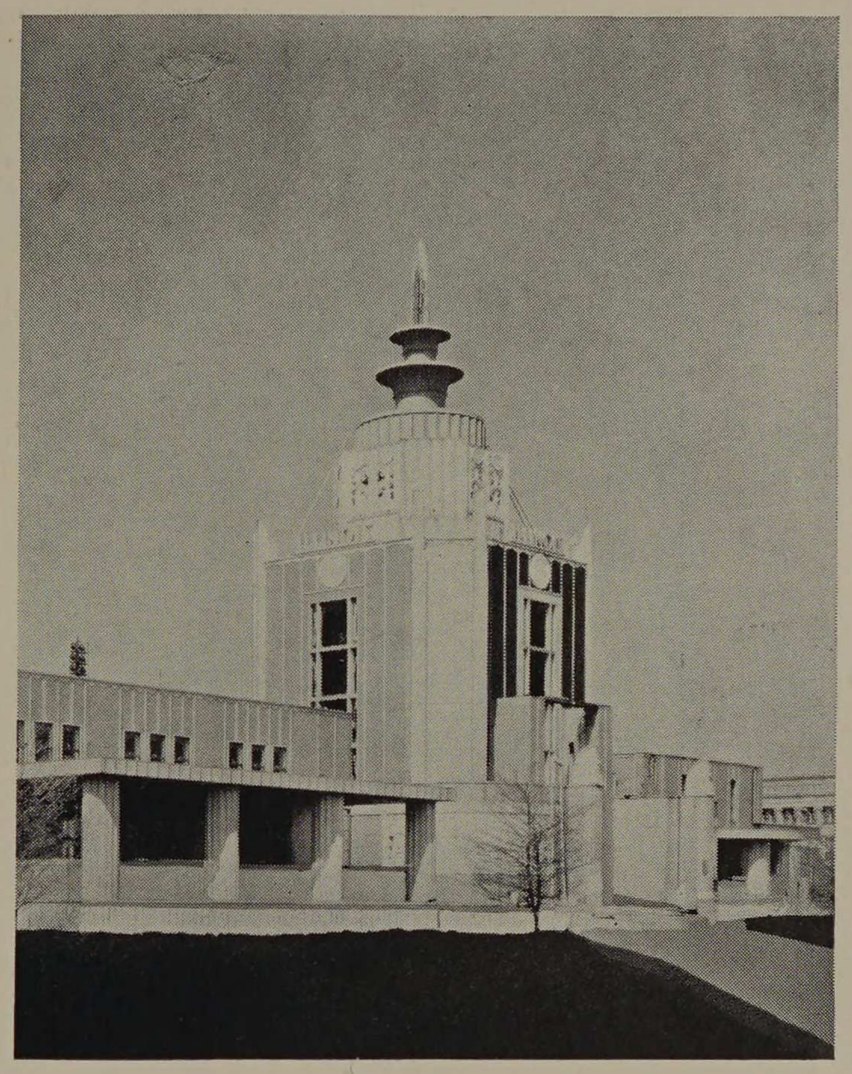
a cordial manner in greeting its guests is a mark of distinction of a good club. realizing this fact, our sovereign state of illinois erected near the entrance to the fair, the attractive though not pretentious illinois host building.



CLUBS



Williams, Edgren, Tamney, Wall, Cramer, Bradac, Guyot, Krol
Leonas, Shaver, Englander, Patterson, Adrain, Mecklenburg, Bolton, Nelson
Szantay, May, Omiecinski, Noerenberg, Beckman, Viel, Kostenko, Mezera, Kane

CAMPUS CLUB

OFFICERS

Arthur L. Viel . . . . . President
Frederick C. Noerenberg . . . . . Vice President
Barry M. Kostenko . . . . . Corresponding Secretary
James Woodburn . . . . . Recording Secretary

The Armour Tech Campus Club, an organization open to all the students at Armour Institute, has completed its sixth successful year since its creation in 1927. The Club is primarily an organization of social concern, and offers the students a place to gather for discussion, for study, and for relaxation. The spirit of friendship and good-feeling prevailing among the members has been one of the main factors in placing the organization among the foremost at the Institute.

At the beginning of the last school year, the Campus Club quarters were enlarged. It now occupies the entire second floor of the third entrance to Chapin Hall.

Social activities at Armour Institute were initiated with the holding of the annual Freshman Handshake with the co-operation of the social fraternities. This provided an excellent opportunity for the upper-classmen and the new students to get acquainted in an informal manner. Several smokers were held during the year, at which bridge, chess, and other games were played to the enjoyment of all.

Visitors are always welcome, and someone can always be found ready to discuss politics, current events, or studies. The Club sponsored the formation of a chess club at Armour, which is now in its second year. The formation of a Campus Club orchestra has been started and future smokers will be made more pleasant by music.



De Boo, Zimmerman, Marty, Mullane, Doede, Bottelsen, Temberlake, Hoffmann
Jones, Henning, Hanes, Colburn, Mansfield, Harwood, Winogrond, Lomasney
Smetana, Wilson, Hollmann, Wandrey, Helmick, Renstrom, Hackley, Paine

RIFLE CLUB

OFFICERS

Erwin Wandrey . . . . . President
Donald G. Wilson . . . . . Vice President
G. Lewis Hackley . . . . . Secretary-Treasurer
Franklin Paine . . . . . Manager
Edward Balsewick . . . . . Range Officer

The Armour Tech Rifle Club, although one of the youngest organizations about the Institute, is rapidly taking a prominent position in the extra-curricular activities at Armour. The avowed purpose of the founders was to encourage competitive matches with similar organizations throughout the country, in addition to promoting the safe use of fire-arms. How well the aims of the founders has been followed is evidenced in the yearly program of the Club.

The past year's activities, consisting of shoulder to shoulder matches, was highly successful. The outstanding events were the Illinois State Rifle Association Championship series, and the Humboldt Park Gun Club vs. Armour Tech Rifle Club trophy cup series. In addition, matches with teams representing the New York Stock Exchange, the Appleton Rifle Club, Crane College, Ohio State University, the University of Michigan, Austin Rifle Club, Iowa State College, and Western Electric afforded the team the keenest of competition.

The team has been champions for the fifty foot division of the State League twice in succession and is very hopeful of repeating.

The Club's equipment was materially increased by the purchase of a new Winchester target rifle. With this addition, use of the range, which is located in the basement of Chapin Hall, can be extended to a maximum.



McDonald, Lippincott, Peterson, Stasiulis, Lewis, Nuetzel
Stahl, Dombrowski, Hoffman, Swineford, Kuehn, Callen

TRUSS CLUB

William C. Hoffman . . . . . President
Charles F. Lewis . . . . . Vice President
Leo J. McDonald . . . . . Secretary
Curtis W. Thomas . . . . . Treasurer
Professor Charles R. Swineford . . . . . Faculty Member

Nine years ago a group of Senior students in the Department of Civil Engineering organized the Truss Club on the Armour Campus. The basic purpose of the organization was to bring into closer contact, men of the same interests and of good personal character. This year marks the completion of two years in the new quarters, and the members have remodeled all of the rooms to suit their own particular fancies.

It has been the policy of the Club to hold several smokers and radio dances during the collegiate year to help alleviate the heavy burden placed on engineering students. The social activities of the year were initiated with a smoker held early in October, when the members, meeting across the bridge tables, exchanged tales of their experiences during the summer. Several radio dances followed the smoker and the annual Harvest dance was held in the latter part of November in the Club rooms. A new form of entertainment among the Club members was introduced this year. A series of inspection trips to local places of interest, including a visit to the Century of Progress Exposition grounds, was conducted at regular intervals.

The spirit of friendship and comradeship prevalent among men of the same walks of life, and with the same object in life, has resulted in a very pleasant year.



Davies, Monger, May, W. G. Andersen
R. Anderson, Clarkson, Hendricks, Bauermeister

THE ARMOUR PLAYERS

Developments during the second year of its existence have shown that the Armour Dramatic Club is destined to take its place among the leading extra-curricular activities at the Institute.

The interests of the members are divided into three main groups—the production staff; stage managers, property manager, lighting manager, and their assistants; Architects, who work on the scenery; and finally, those who have active parts in the plays.

ARMOUR TECH PHILATELIC SOCIETY

During the latter part of 1931 a few Armour students gathered in the Institute library to talk of something not pertaining to anything technical. The conversation suddenly shifted to collecting, and the group discovered that they were all mutually interested in the gathering of rare valuable stamps. In December of that year, this same group met again and formed the Armour Tech Philatelic Society. Today, the Society has expanded and developed beyond the fondest dreams of its originators.

After the first successful year, the members did not cease work because of the summer vacation. They organized, rehearsed and produced a program consisting of three one-act plays, and presented them before audiences on two occasions. Lessons in voice technique, pantomime and even Shakespeare were studied, resulting in giving to the performers the skill and confidence which are necessary for good acting.

CHESS CLUB

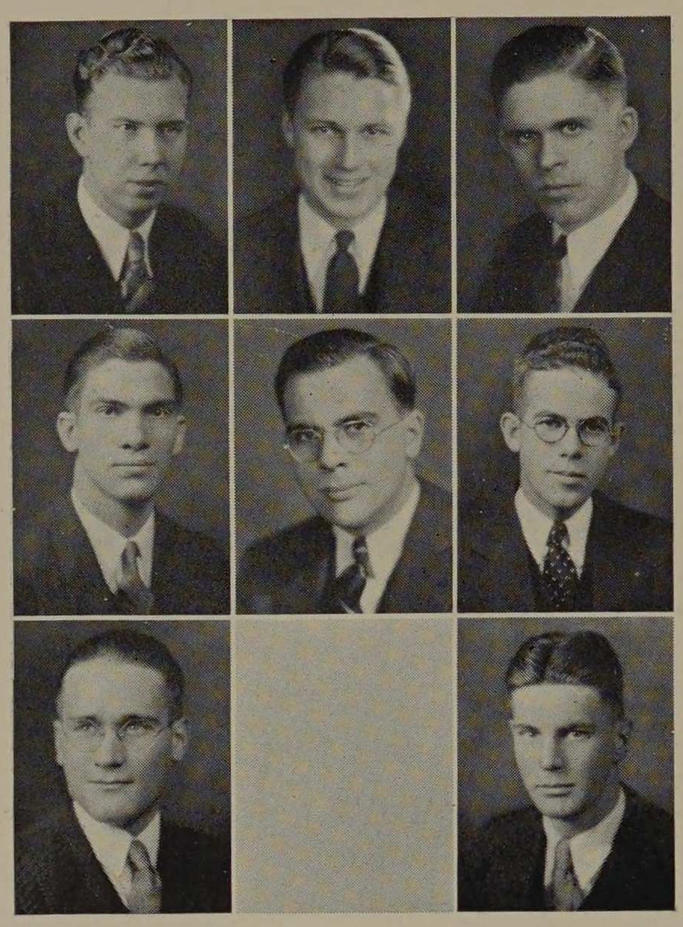
With the discovery that many of the erstwhile Armour engineers were enthusiastic chess or checker players, a special meeting of the Armour Chess Club took place in the Campus Club rooms on November 10. The purpose of this meeting, to lay plans for a school-wide chess tournament, was greeted with enthusiasm by the members who were anxious to show their ability and differing technique in open competition. Immediately after the championship was decided a handicap list was prepared for use in future Armour chess competition.

■

here presented are the sculptured gods of fire, night, light, and storm. fire rules our unstable tempers, the god of night gently consoles us in times of darkness or doubt, light is conscience, storm is the mighty force that stirs our determination.



HONORARY AND PROFESSIONAL FRATERNITIES



Beard, Carlstrom, Clanton
Davies, Dufour, Juvinall
Paine, Sorensen

Honorary Fraternity Council

Wilfred W. Davies . . . . . President

REPRESENTATIVES

Tau Beta Pi . . . . . Wilfred W. Davies
Sphinx . . . . . Jarl T. Sorenson
Eta Kappa Nu . . . . . James W. Juvinall
Phi Lambda Upsilon . . Franklin W. Paine
Chi Epsilon . . . . . Earl G. Beard, Jr.
Salamander . . . . . Carl N. Clanton
Pi Tau Sigma . . . . . Raymond J. Dufour
Pi Nu Epsilon . . . . . Carl N. Clanton
Black Knight . . . . . James W. Juvinall
Honor A . . . . . Roy W. Carlstrom



Black Knight

HONORARY MEMBERS

Henry T. Heald
Philip C. Huntly
John C. Schommer

ACTIVE MEMBERS

Orville T. Barnett
Roy W. Carlstrom
Carl N. Clanton
Wilfred W. Davies
James W. Juvinall
William W. Lange
Franklin W. Paine
Jarl T. Sorensen

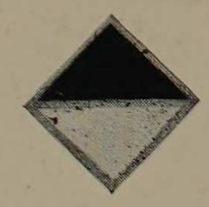


TAU BETA PI

HONORARY ENGINEERING

Founded at Lehigh University in 1885
Sixty-one Active Chapters

BETA CHAPTER
Established 1906



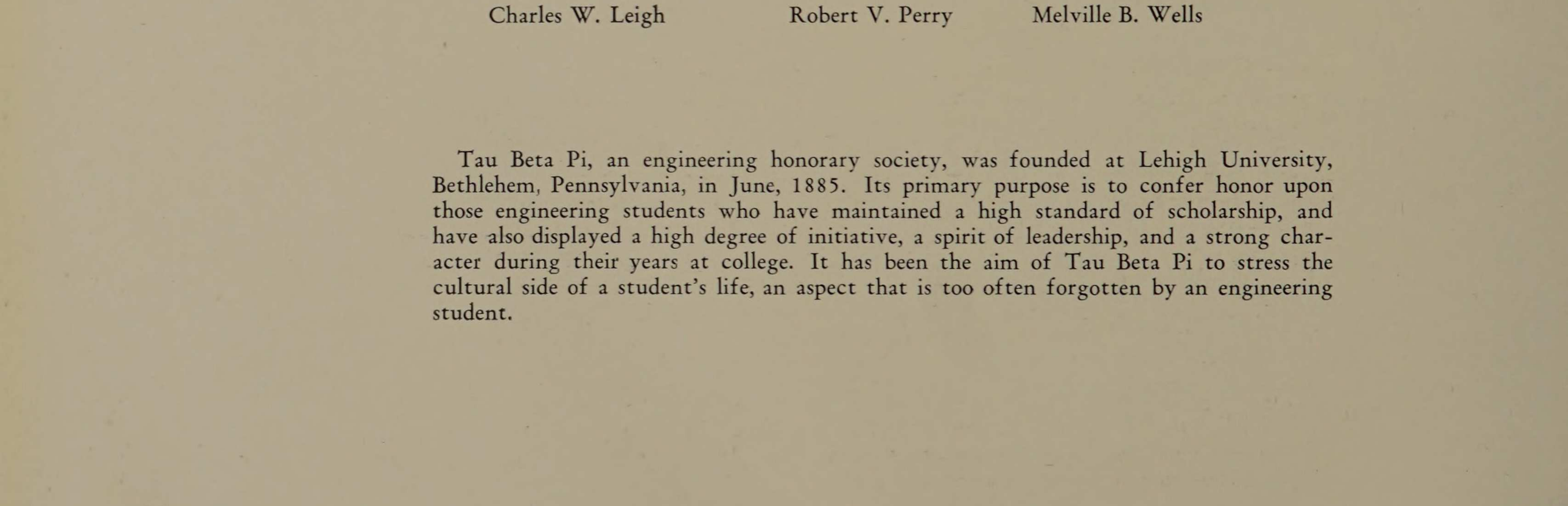
HONORARY MEMBERS

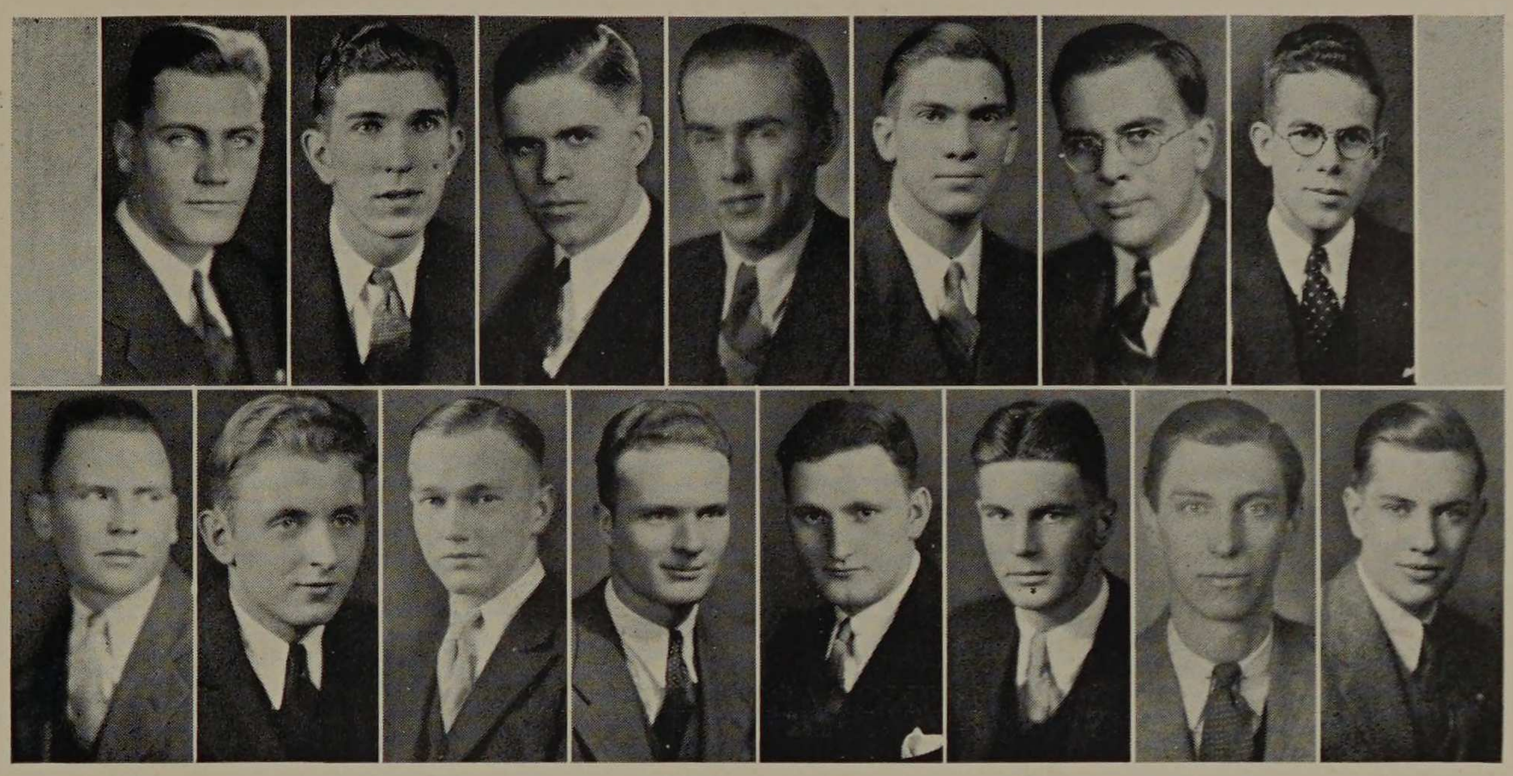
Howard M. Raymond ..... President Emeritus of Armour Institute of Technology
George F. Gebhardt ..... Professor of Mechanical Engineering
Harry McCormack ..... Professor of Chemical Engineering
Charles E. Paul ..... Professor of Mechanics
Joseph B. Finnegan ..... Professor of Fire Protection Engineering

FACULTY MEMBERS

Ernest H. Freeman	Edwin S. Libby	Donald E. Richardson
Eldon C. Grafton	David P. Moreton	Daniel Roesch
Henry T. Heald	Henry L. Nachman	Sholto M. Spears
Phillip C. Huntly	James C. Peebles	Van Baumen Teach
William H. Lautz	John C. Penn	Ernest E. Tupes
Charles W. Leigh	Robert V. Perry	Melville B. Wells

Tau Beta Pi, an engineering honorary society, was founded at Lehigh University, Bethlehem, Pennsylvania, in June, 1885. Its primary purpose is to confer honor upon those engineering students who have maintained a high standard of scholarship, and have also displayed a high degree of initiative, a spirit of leadership, and a strong character during their years at college. It has been the aim of Tau Beta Pi to stress the cultural side of a student's life, an aspect that is too often forgotten by an engineering student.





Buehne, Carlstone, Clanton, Colburn, Davies, Dufour, Juvinall
Cunningham, Lange, Larson, Loesche, Moravec, Sorensen, Vanderpoorten, Wilson

ACTIVE MEMBERS

Willis G. Buehne
Paul A. Carlstone
Carl N. Clanton
Norman E. Colburn
Wilfred W. Davies
Raymond J. Dufour
James W. Juvinall
John L. Kampwirth
William W. Lange
Bradford Larson
Bernhard H. Loesche
Julius Moravec, Jr.
Jarl T. Sorensen
Stanley A. Vanderpoorten
Donald G. Wilson

CHARTER MEMBERS

William C. Brubaker
Henry W. B. Clausen
Einar Enander
Tenney S. Ford
Edwin F. Gillette
Edwin O. Griefenhagen
Grover Keeth
Charles Klapper
Samuel Klein
Howard L. Krum
George W. Kuhn
Ernst Liebermann
David P. Moreton
Robert V. Perry
Myron B. Reynolds
Ralph H. Rice
Oscar A. Rochlitz
Henry J. Sawtell
Ray E. Swearingen
Andrew F. Wanner

Beta Chapter of Illinois was chartered May 22, 1906. It was the fourteenth chapter of a roll that now includes sixty-one chapters spread all over the United States in the engineering colleges. There are nine Alumni Chapters. The roll numbers approximately 18,000.

Students are elected to Tau Beta Pi from the upper one-eighth of the Junior class in the spring; and in the fall, seniors in the upper quarter are eligible, together with three juniors from the upper one-eighth of their class. Honorary memberships have been conferred on prominent engineers and graduates.



SPHINX

HONORARY LITERARY

Founded at Armour Institute of Technology in 1907

Pledge Ribbon
Yellow and Black

HONORARY MEMBERS

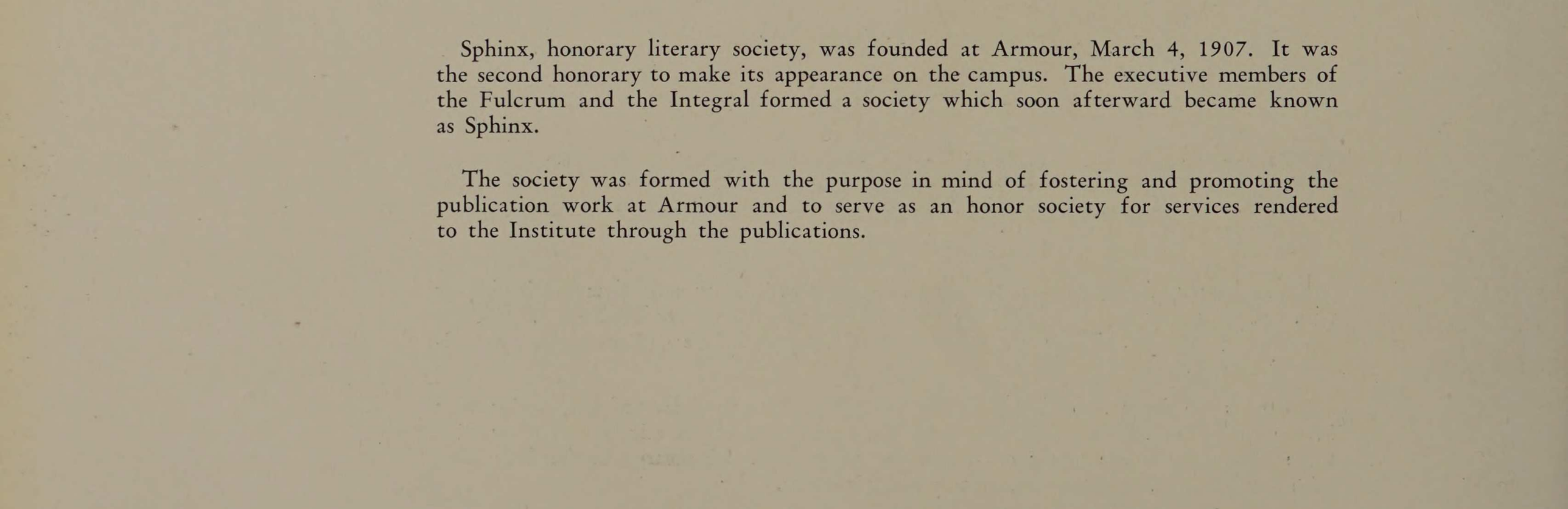
Walter Hendricks ..... Associate Professor of English
Charles E. Paul ..... Professor of Mechanics
James C. Peebles ..... Professor of Experimental Engineering
Joseph B. Finnegan ..... Professor of Fire Protection Engineering

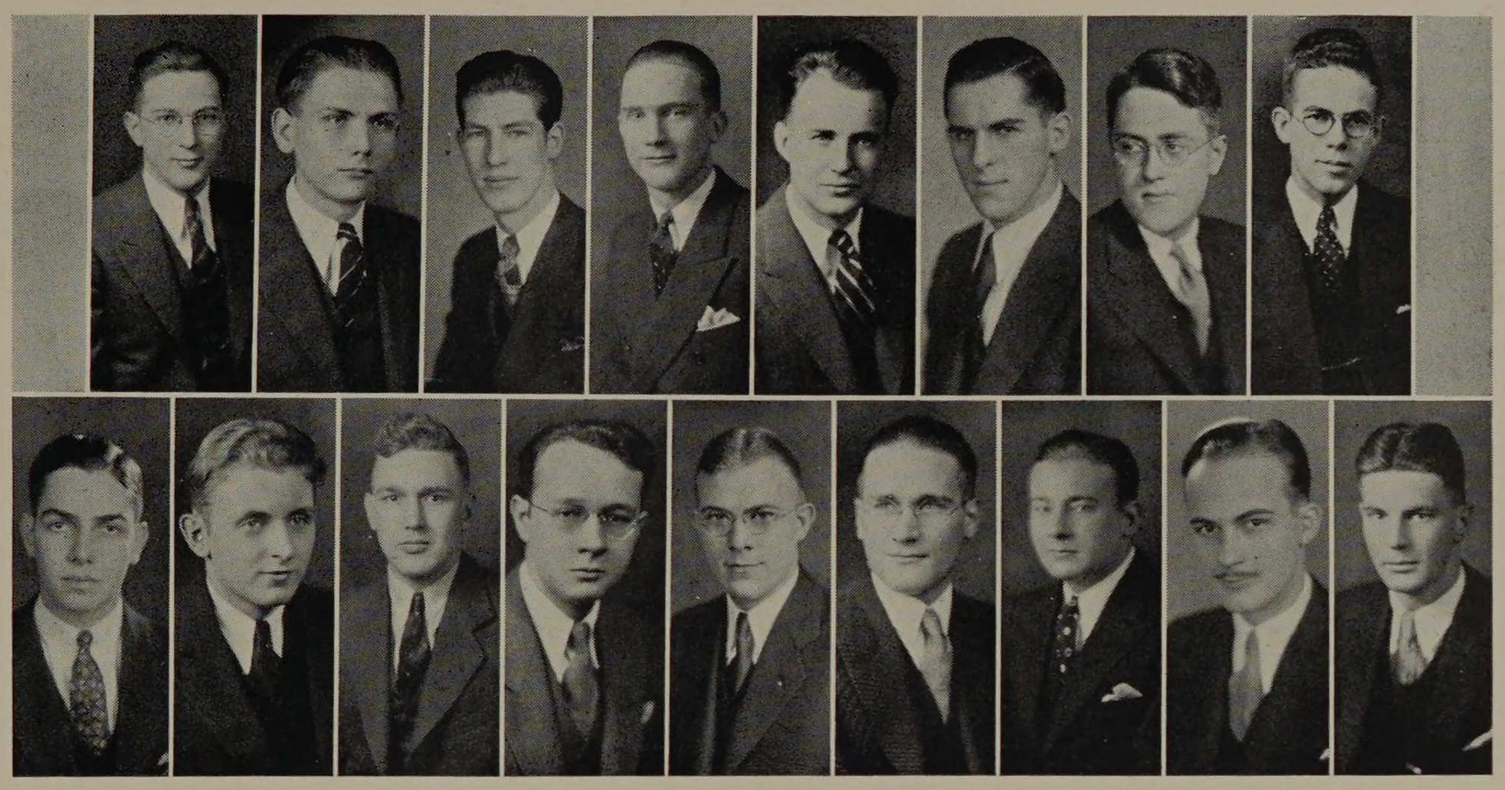
CHARTER MEMBERS

H. Ralph Badger
Austin Crabbs
Donald D. Dick
Harold S. Ellington
Walter Eyers
James S. Harvey, Jr.
John A. Jones
Arthur A. Kellkenney
Elmer V. McKarahan
Joseph E. Monahan
Edwin H. Stillman

Sphinx, honorary literary society, was founded at Armour, March 4, 1907. It was the second honorary to make its appearance on the campus. The executive members of the Fulcrum and the Integral formed a society which soon afterward became known as Sphinx.

The society was formed with the purpose in mind of fostering and promoting the publication work at Armour and to serve as an honor society for services rendered to the Institute through the publications.





Barnett, Becker, Cone, Collick, Curran, Eberth, Erisman, Juvinall
Cunningham, Lange, Larson, Loesche, Moravec, Sorensen, Vanderpoorten, Wilson

ACTIVE MEMBERS

Orville T. Barnett
Henry F. Becker, Jr.
Milton A. Collick
Spencer B. Cone
Edward L. Curran
Ellsworth E. Eberth
Maurice J. Erisman
James W. Juvinall
Herbert Kreisman
William W. Lange
Edmond P. Lomasney
John H. Miller
Raymond E. Nelson
Franklin W. Paine
Robert F. Rychlik
Carroll K. Simons
Jarl T. Sorensen

It has followed out this purpose by serving as an advisory board to the student publications. Through this close association the history of Sphinx and of the Armour student publications have become synonymous.

Membership has been granted to 226 men at Armour Institute. Senior and junior students who hold executive positions on the staff of any recognized publication at Armour and who have done work of high character and have shown exceptional ability during their first two years are considered for membership.

ETA KAPPA NU

HONORARY ELECTRICAL

Founded at University of Illinois in 1904
Twenty-two Active Chapters
Ten Alumni Chapters

DELTA CHAPTER

Established 1909

HONORARY MEMBERS

Ernest H. Freeman . . . . . Professor of Electrical Engineering
John E. Snow . . . . . Professor of Electric Power Production

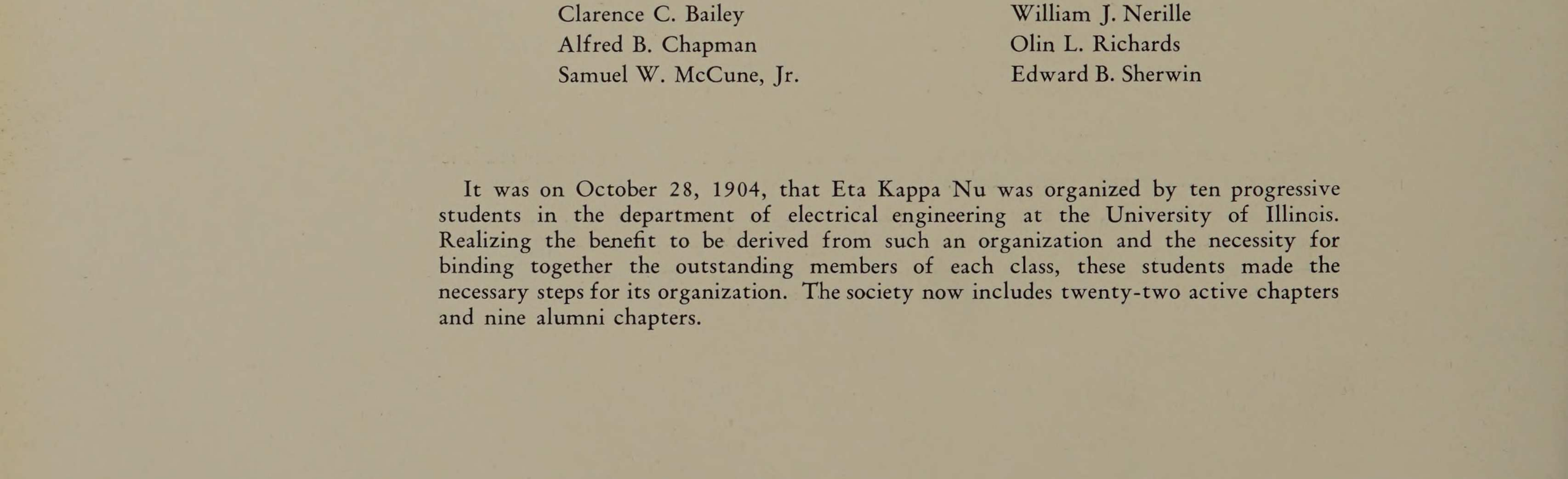
FACULTY MEMBERS

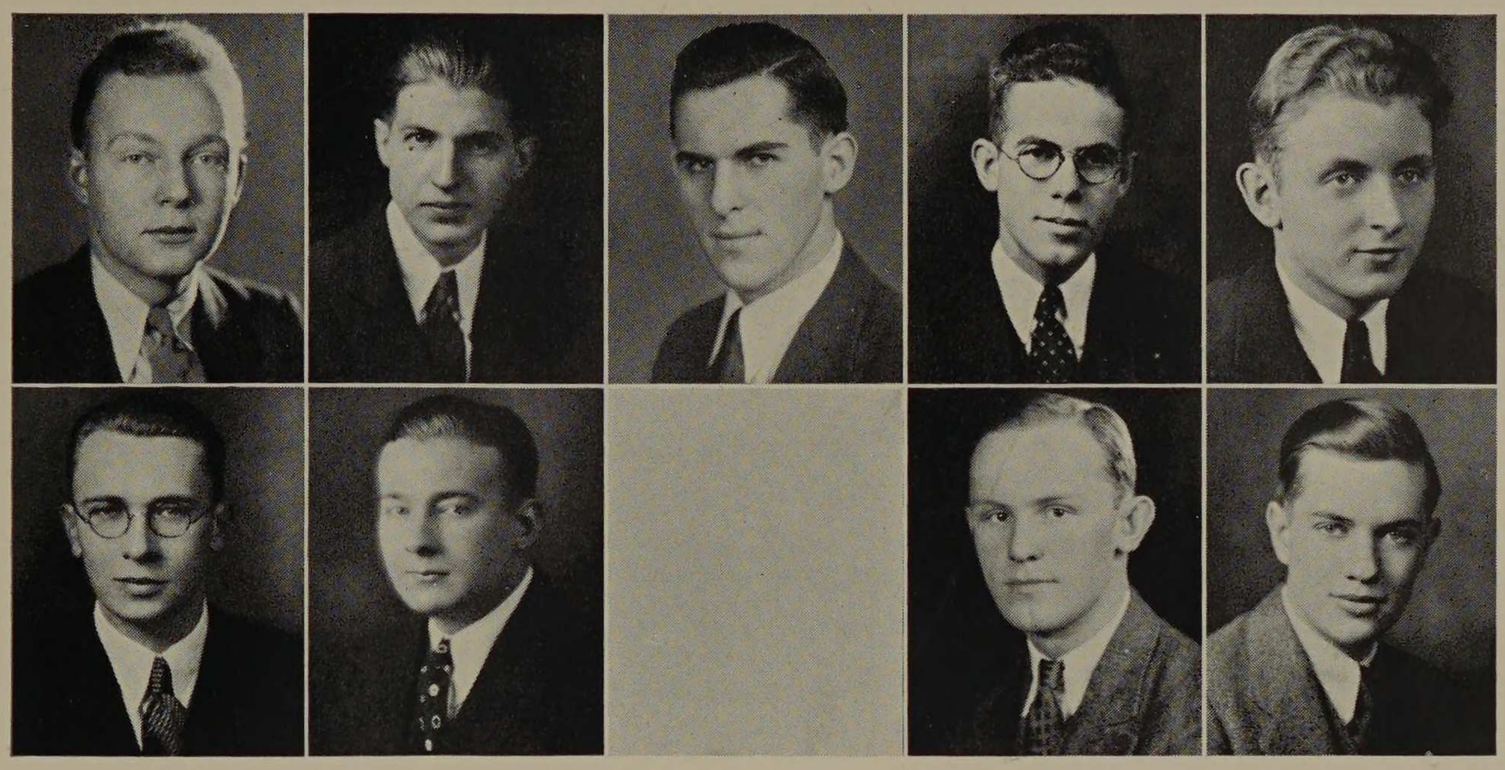
David P. Moreton . . . . . Professor of Direct and Alternating Current Machinery
Van Bauman Teach . . . . . Associate Professor of Mathematics

CHARTER MEMBERS

Clarence C. Bailey
Alfred B. Chapman
Samuel W. McCune, Jr.
William J. Nerille
Olin L. Richards
Edward B. Sherwin

It was on October 28, 1904, that Eta Kappa Nu was organized by ten progressive students in the department of electrical engineering at the University of Illinois. Realizing the benefit to be derived from such an organization and the necessity for binding together the outstanding members of each class, these students made the necessary steps for its organization. The society now includes twenty-two active chapters and nine alumni chapters.





Dumser, Dunham, Eberth, Juvinall, Lange
Priban, Rychlik, Thompson, Wilson

ACTIVE MEMBERS

Wesley T. Dumser
Edward A. Dunham
Ellsworth E. Eberth
James W. Juvinall
William W. Lange
Milton L. Priban
Robert F. Rychlik
Paul J. Thompson
Donald G. Wilson

In 1909 a few students of Electrical Engineering at Armour Institute petitioned Eta Kappa Nu. On May 24, 1909, Delta chapter was chartered.

The major requirement for candidacy to Eta Kappa Nu is scholarship. The standard of scholarship is defined in its broadest sense. It is taken to mean ability to lead and ability to use knowledge with common sense.

SCARAB



PROFESSIONAL ARCHITECTURAL
Founded at University of Illinois in 1909
Eleven Active Chapters

EDFOU TEMPLE
Established 1913

Pledge Ribbon
Black, Blue and White

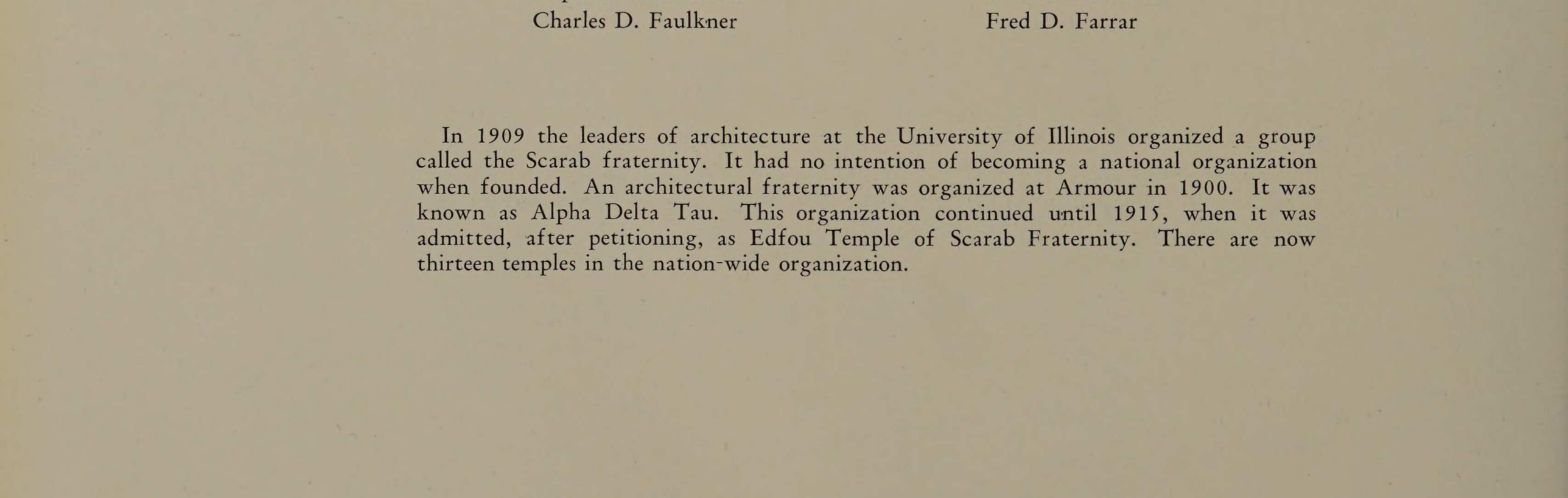
FACULTY MEMBERS

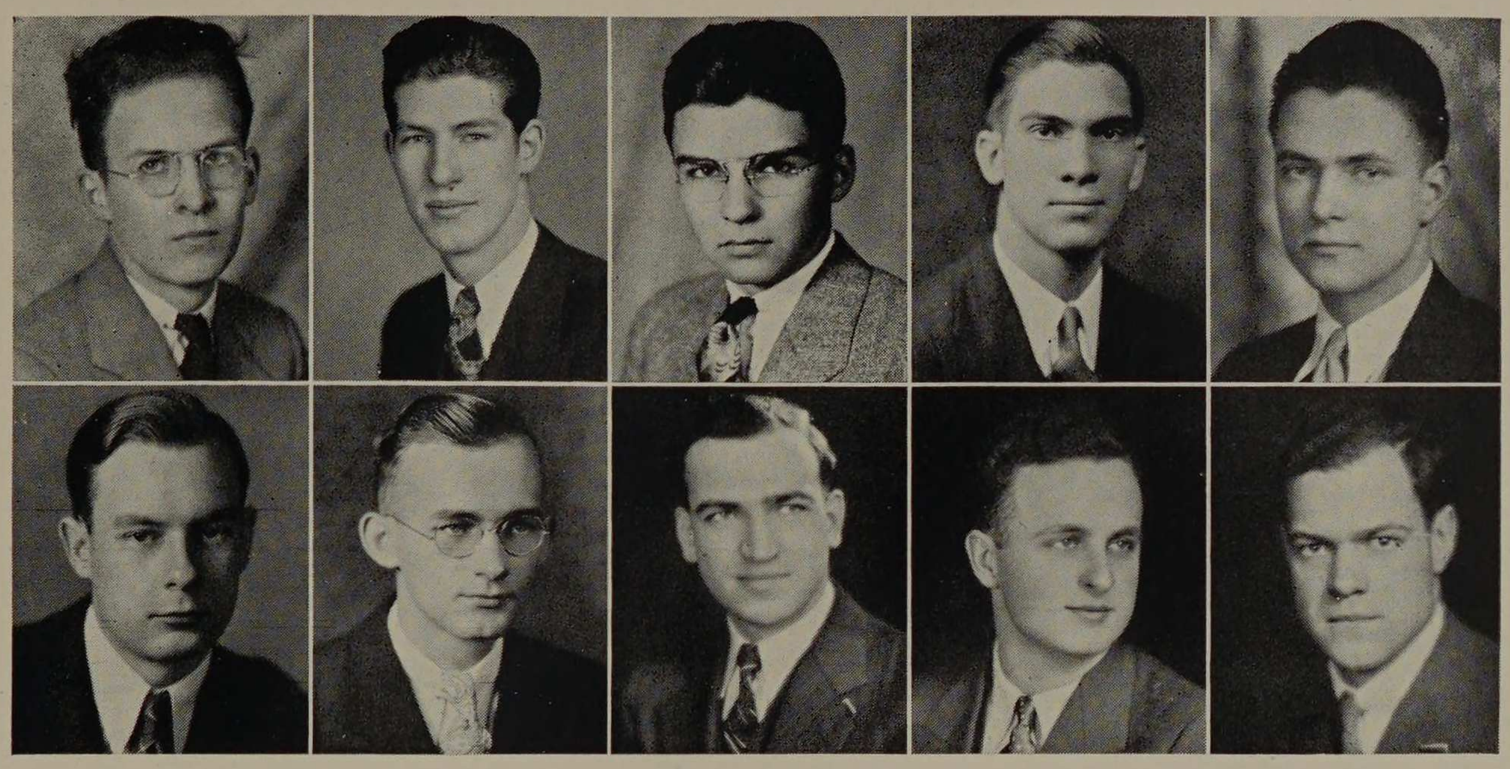
Earl H. Reed, Jr. . . . . Professor of Architecture
William H. Lautz . . . . . Assistant Professor of Architecture
William F. McCaughey, Jr. . . . . Associate Professor of Architectural Design
Walter L. Suter . . . . . Assistant Professor of Architectural Design
Rowland Rathbun . . . . . Assistant Professor of Architectural Design
Emil R. Zettler . . . . . Consulting Professor of Architectural Sculpture
Theodoras H. Hofmeester . . . . . Assistant Professor of Architectural Modeling

CHARTER MEMBERS

Edwin M. Sincere
Raphael N. Friedman
Charles D. Faulkner
Murray D. Hetherington
Gorden S. Barber
Fred D. Farrar

In 1909 the leaders of architecture at the University of Illinois organized a group called the Scarab fraternity. It had no intention of becoming a national organization when founded. An architectural fraternity was organized at Armour in 1900. It was known as Alpha Delta Tau. This organization continued until 1915, when it was admitted, after petitioning, as Edfou Temple of Scarab Fraternity. There are now thirteen temples in the nation-wide organization.





Buckhauser, Cone, Davidson, Davies, Ekroth
Irion, Terp, Skubic, Sommer, Luckett

ACTIVE MEMBERS

Burton R. Buckhauser
Spencer B. Cone
Lawrence W. Davidson
Wilfred W. Davies
Roy Ekroth
Theodore H. Irion
Thomas D. Luckett
Leroy F. Skubic
Charles B. Sommer, Jr.
Robert W. Tague
George W. Terp, Jr.

Scarab secures through association the advantages of a refined culture; it stimulates interest in architecture and the allied arts and promotes friendly competition among the students and schools of architecture, and creates a lasting spirit of fellowship and cooperation within the fraternity.

Election to membership is based on ability, scholarship and character. It has always kept its membership comparatively small.



PHI LAMBDA UPSILON

HONORARY CHEMICAL

Founded at University of Illinois in 1899
Twenty-eight Active Members

OMICRON CHAPTER
Established 1920

Pledge
Ribbon
Red
and
Blue

FACULTY MEMBERS

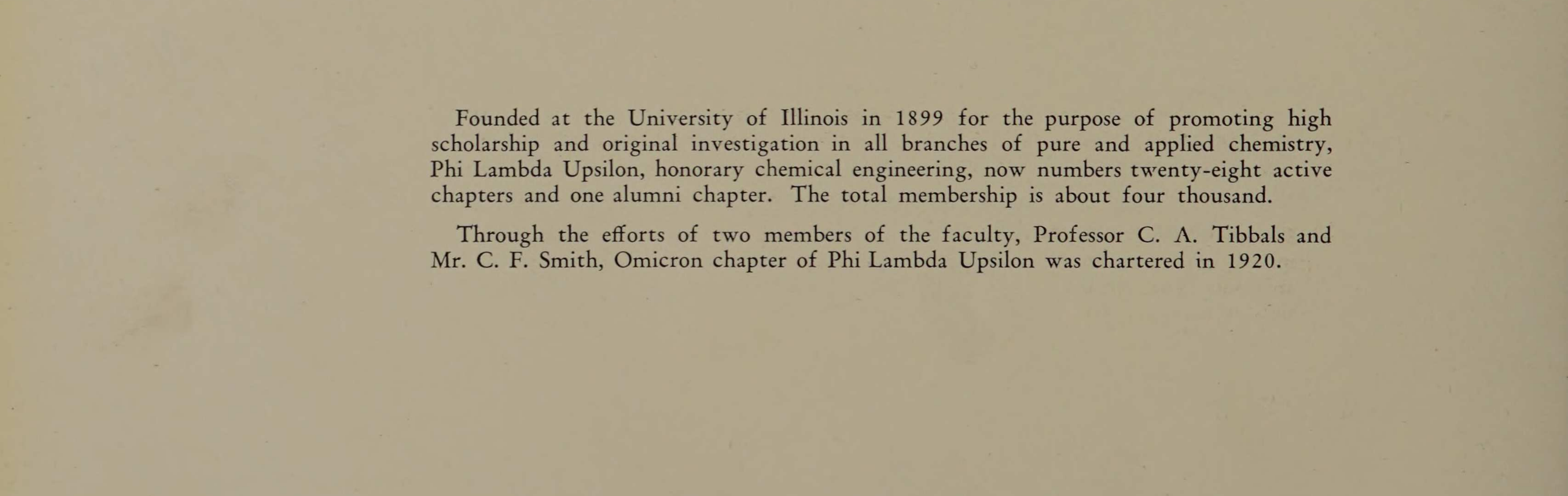
Harry McCormack . . . . . Professor of Chemical Engineering
Charles A. Tibbals . . . . . Professor of Analytical Chemistry
Walter J. Bentley . . . . . Assistant Professor of Chemical Engineering

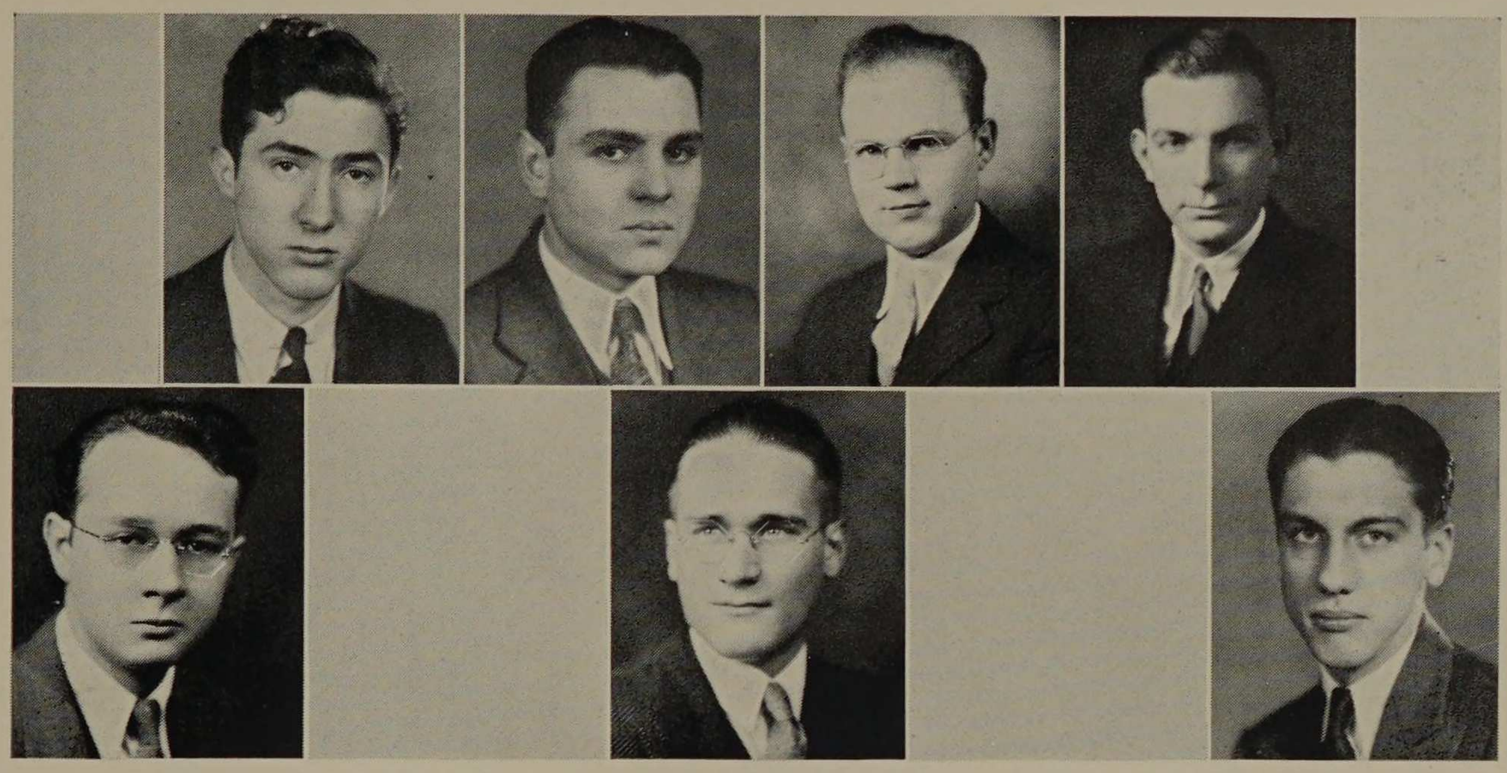
CHARTER MEMBERS

Walter J. Anderson
Walter J. Bentley
Joseph M. Bernstein
William S. Eagle
Lyman D. Judson
William T. McCauley
Harry McCormack
Clarence M. Muehlberger
William J. Savoye
Emil F. Winter

Founded at the University of Illinois in 1899 for the purpose of promoting high scholarship and original investigation in all branches of pure and applied chemistry, Phi Lambda Upsilon, honorary chemical engineering, now numbers twenty-eight active chapters and one alumni chapter. The total membership is about four thousand.

Through the efforts of two members of the faculty, Professor C. A. Tibbals and Mr. C. F. Smith, Omicron chapter of Phi Lambda Upsilon was chartered in 1920.





Fishman, Galvani, Hackley, Hollman
Miller, Paine, Gunderson

ACTIVE MEMBERS

Henry Fishman
Vincent J. Galvani
K. Louis Hackley
Walter G. Hollmann
John H. Miller
Franklin W. Paine

PLEDGE

Walter E. Gunderson

Election to membership takes place in the beginning of each semester. Members of the junior and senior classes and the highest sophomore student in chemical engineering are eligible.

The basis of election is scholarship. This is determined by averaging all grades, giving chemical grades twice the value of the others. The vote on scholarship must be unanimous. The personality of the student is considered only so far as it pertains to habits, neatness and honesty.



CHI EPSILON

HONORARY CIVIL
Founded at University of Illinois in 1922
Eleven Active Chapters

ARMOUR CHAPTER
Established 1923

Pledge Ribbon
Purple and White

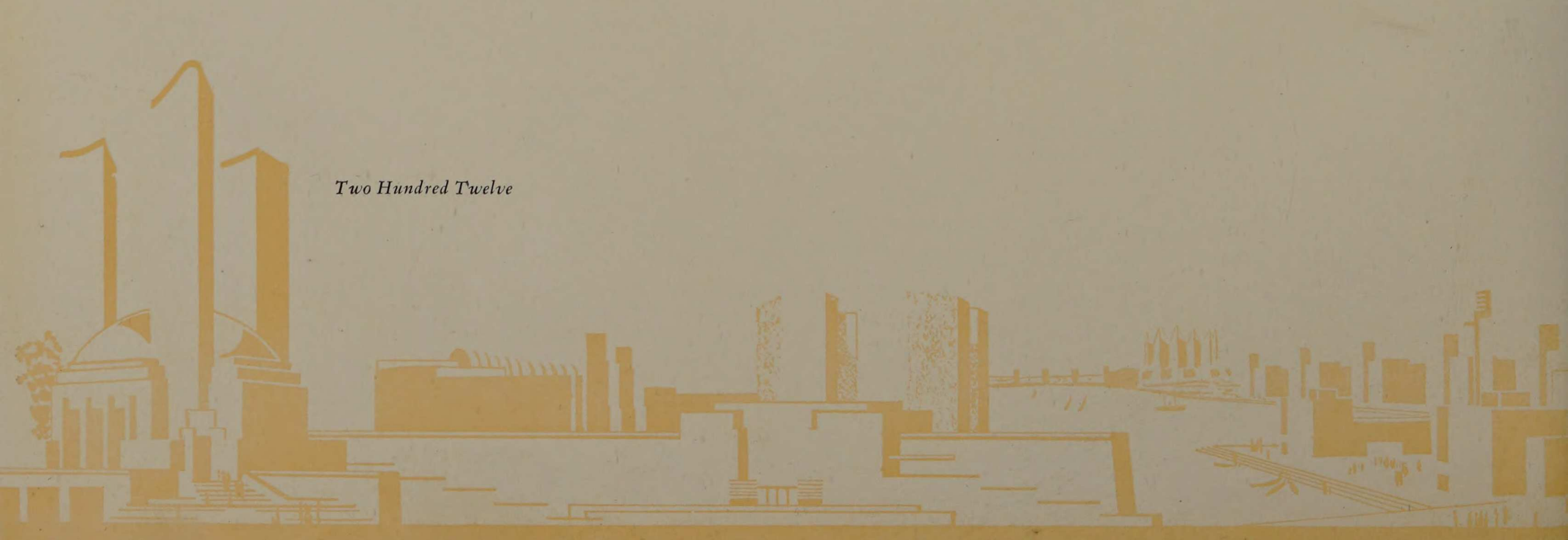
HONORARY MEMBERS

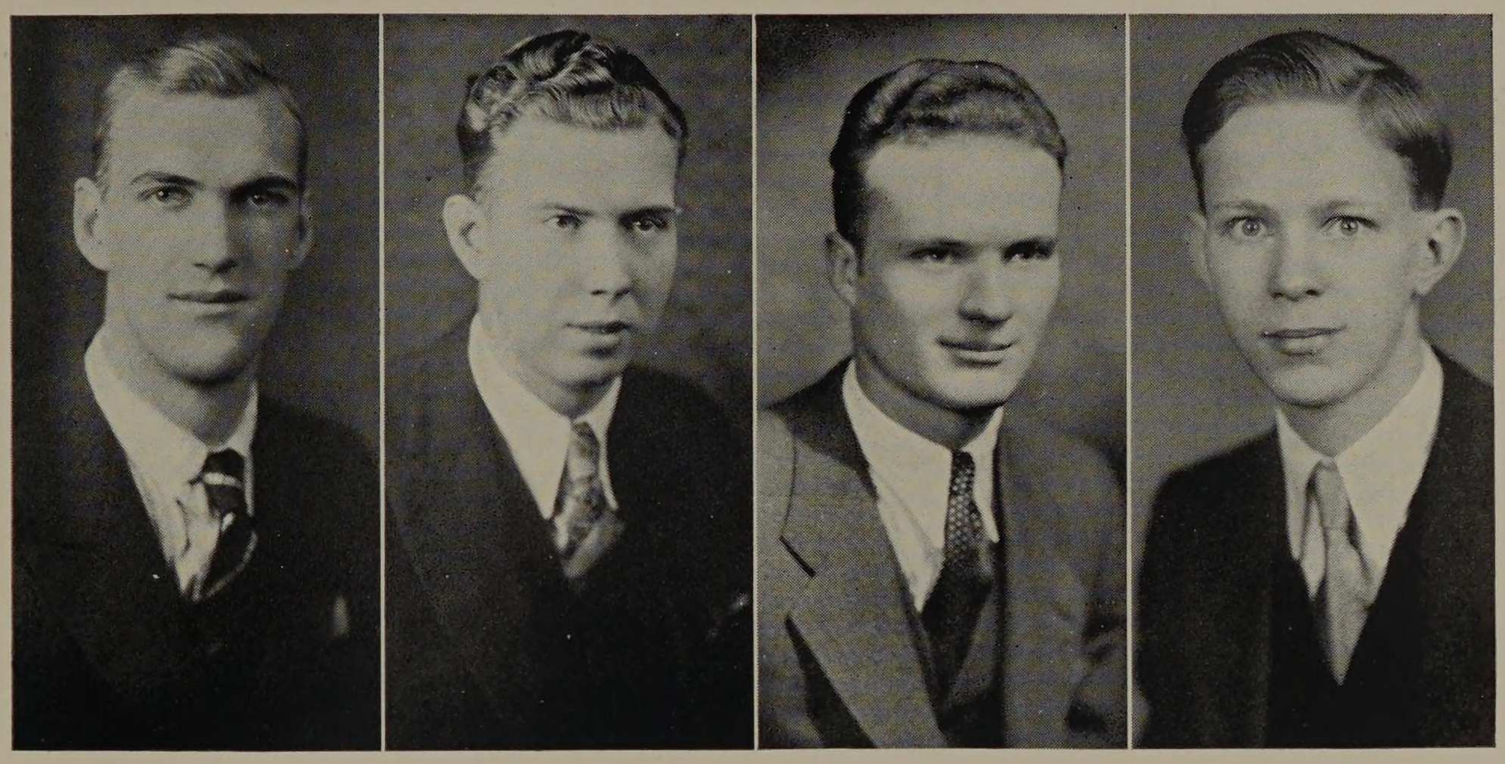
Herbert Ensz . . . . . Assistant Professor of Civil Engineering
Eldon C. Grafton . . . . . Assistant Professor of Structural Engineering

FACULTY MEMBERS

Melville B. Wells . . . . . Professor of Civil Engineering
John C. Penn . . . . . Professor of Civil Engineering
Roe L. Stevens . . . . . Associate Professor of Bridge and Structural Engineering
Philip C. Huntley . . . . . Associate Professor of Experimental Engineering
Henry T. Heald . . . . . Associate Professor of Civil Engineering

Founded at the University of Illinois in 1922, Chi Epsilon, honorary civil engineering fraternity, granted a charter to the Armour chapter, March 9, 1923. It was founded to provide an incentive for greater achievement in the civil engineering profession, and to distinguish the undergraduates who have shown a high scholastic ability.





Beemsterboer, Beard, Loesche, Schreiner

ACTIVE MEMBERS

Earl G. Beard, Jr.
George J. Beemsterboer
Lawrence Gabriel
Bernhard H. E. Loesche
Jacob T. Mauer
John E. Schreiner

CHARTER MEMBERS

Richard B. Barry
Mack Burkey
C. Wendell Carlson
Eugene F. DeBra
Fred G. Frederick
Charles S. Frink
George Goedhart
Frederick Hess
Robert S. Mayo
Harold W. Munday
F. Raymond Nelle
Alfred E. Phillips
Edward W. Prentiss
Lloyd R. Quayle
Oremas G. Smith
John H. Sweeney

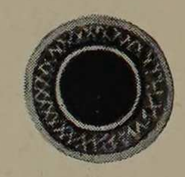
Election to membership is based on the four requisites of a successful engineer; scholarship, character, practicability, and sociability. A candidate must have an average grade in scholarship in the upper one-third and must be a student in regular standing in the Civil Engineering Department in the junior or senior class.



SALAMANDER

HONORARY FIRE PROTECTION

Founded at Armour in 1923



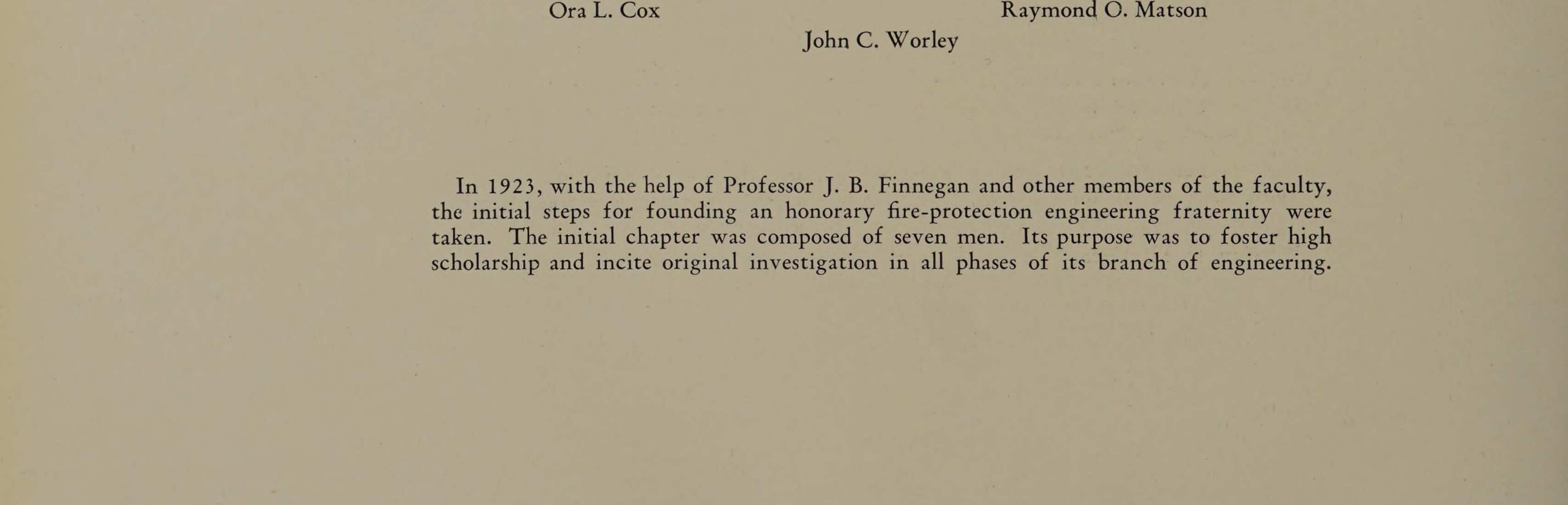
HONORARY MEMBERS

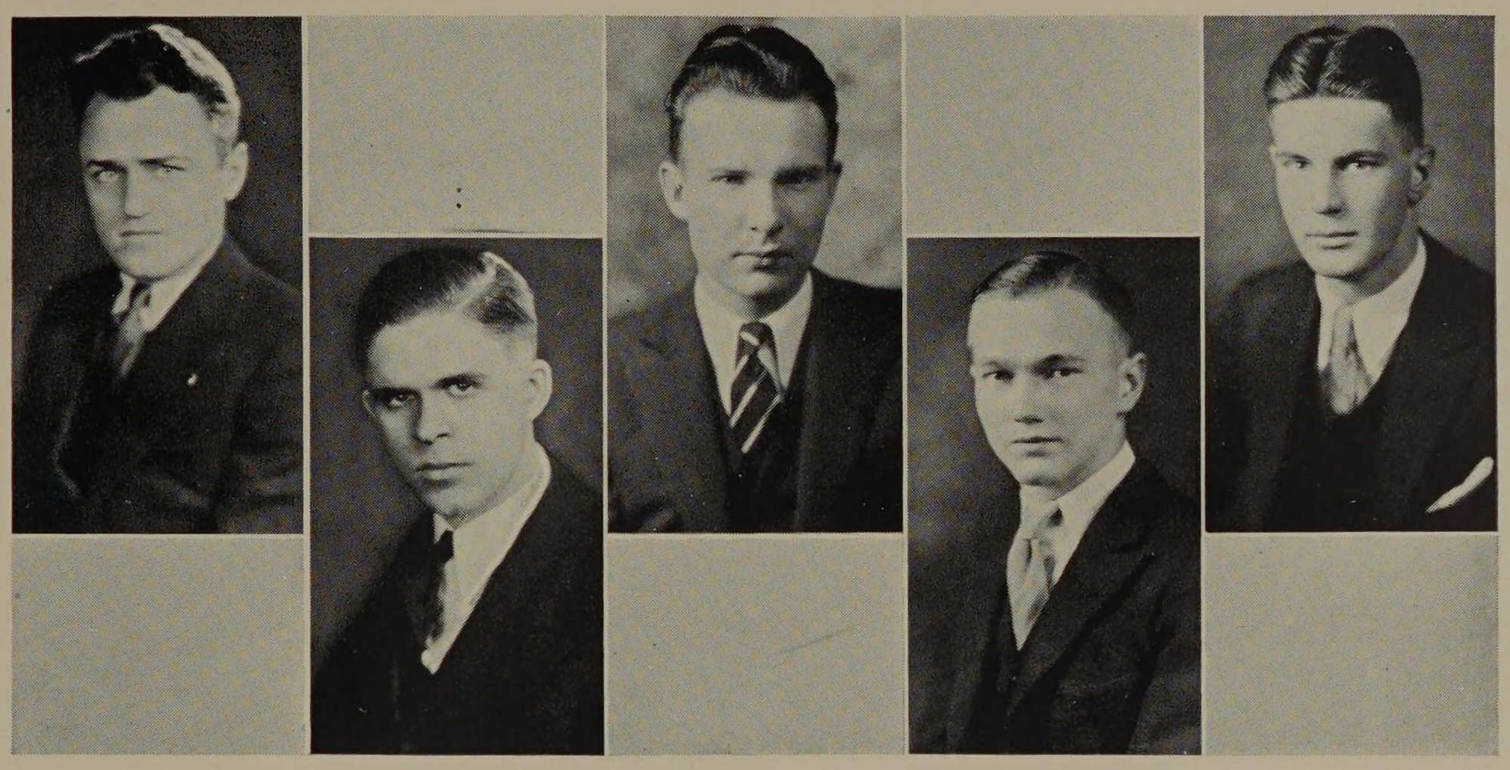
Jackson V. Parker . . . . . Chairman, Scholarship Committee
Wellington R. Townley . . . . . Member of Scholarship Committee
Joseph B. Finnegan . . . . . Professor of Fire Protection Engineering
Otto L. Robinson . . . . . Associate Professor of Fire Protection Engineering
Charles P. Holmes . . . . . Assistant Professor of Fire Insurance
Fitzhugh Taylor . . . . . Fire Protection Engineer, Underwriters Laboratories

CHARTER MEMBERS

Royal M. Beckwith
George G. Blair
Ora L. Cox
Joseph B. Finnegan
Chester W. Hauth
Raymond O. Matson
John C. Worley

In 1923, with the help of Professor J. B. Finnegan and other members of the faculty, the initial steps for founding an honorary fire-protection engineering fraternity were taken. The initial chapter was composed of seven men. Its purpose was to foster high scholarship and incite original investigation in all phases of its branch of engineering.





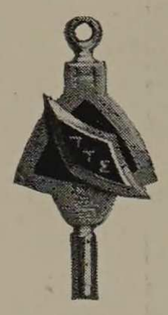
Bannasch, Clanton, Cunningham, Larson, Sorenson

ACTIVE MEMBERS

Harold J. Bannash
Carl N. Clanton
Charles A. Cunningham
Bradford Larson
Jarl T. Sorensen

The primary requisite for membership is high scholarship. However, to qualify for membership the candidate must show evidence of superior abilities through his activities and must possess a strong character.

A news letter, the "Deflector," is published annually by the organization. In it is contained news of its alumni and of the active chapter. Regular meetings are held throughout the year. Two initiation smokers are held, one in the fall and the other in the spring of the year.



PI TAU SIGMA



HONORARY MECHANICAL

Founded jointly at University of Wisconsin and University of Illinois in 1915
Nine Active Chapters

DELTA CHAPTER
Established 1924

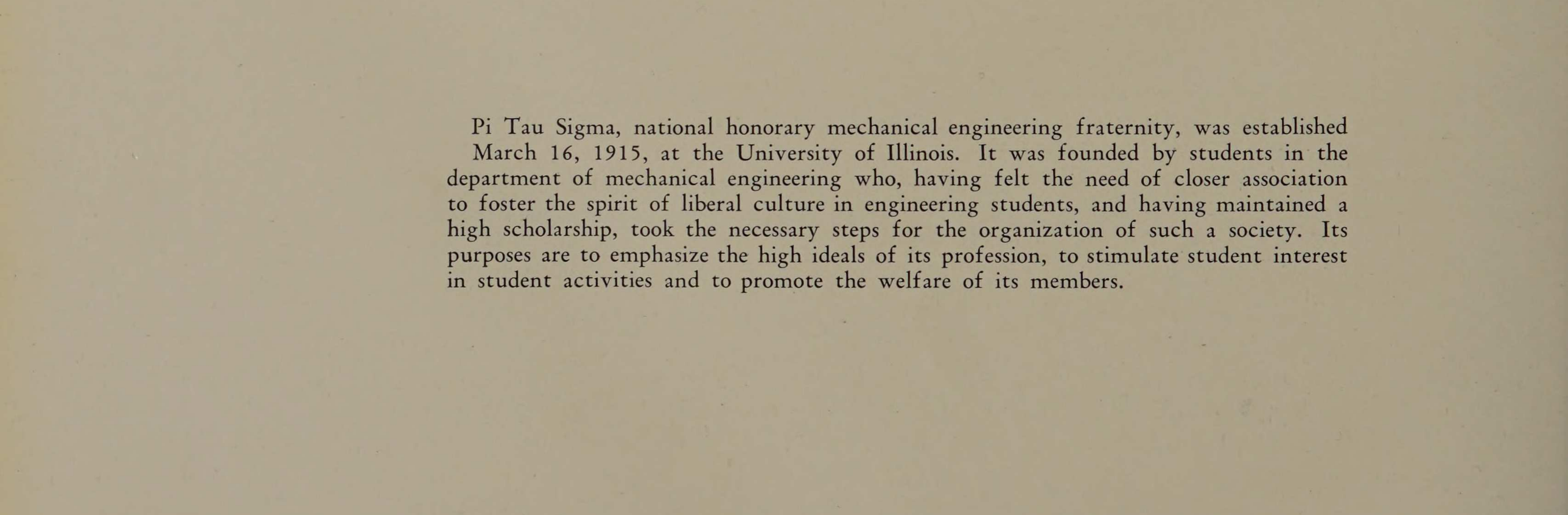
HONORARY MEMBERS

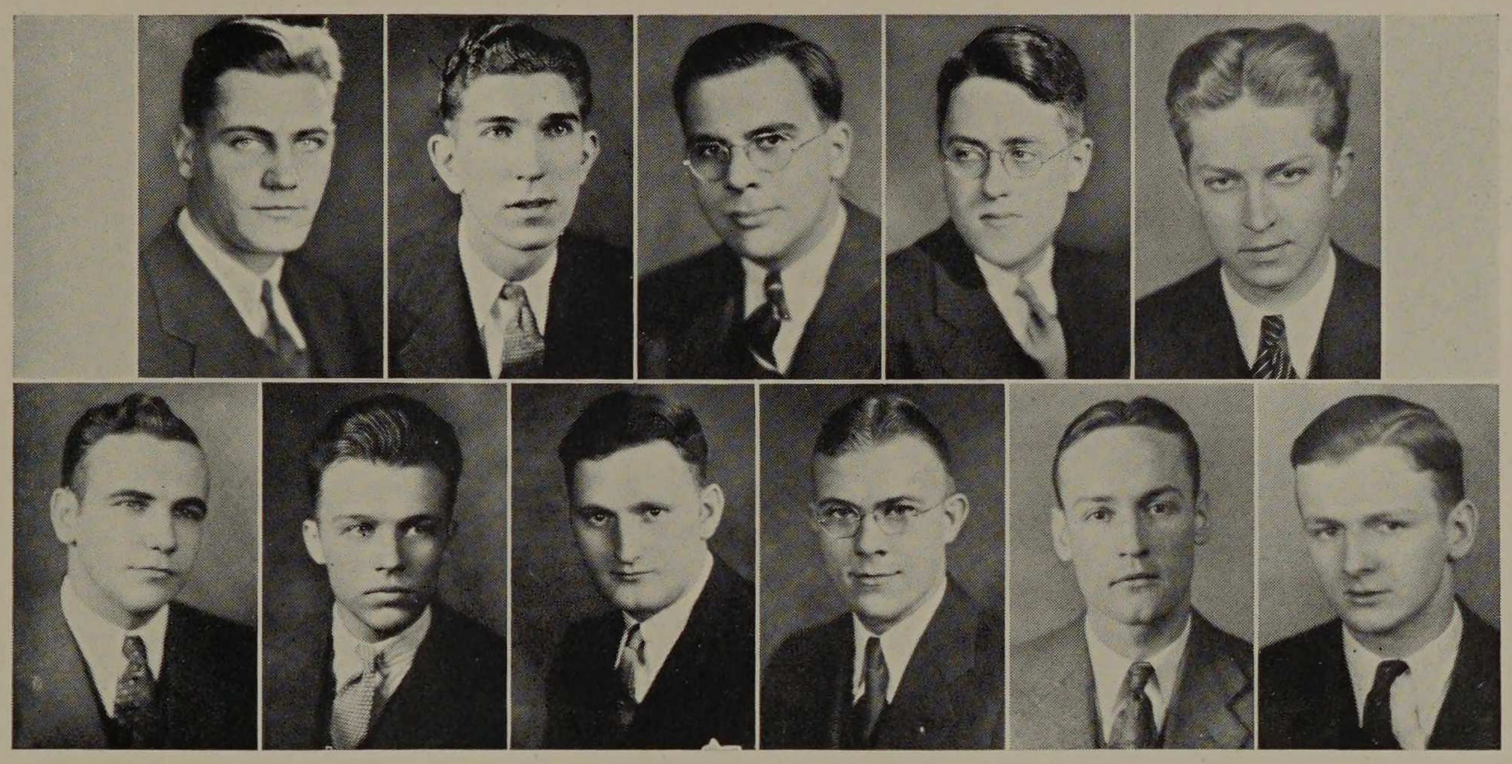
George F. Gebhardt . . . . . Professor of Mechanical Engineering
Ernest Hartford . . . . . Assistant Secretary, A.S.M.E.
Philip C. Huntly . . . . . Associate Professor of Experimental Engineering
Edwin S. Libby . . . . . Professor of Refrigeration Engineering
James C. Peebles . . . . . Professor of Experimental Engineering
Robert V. Perry . . . . . Professor of Machine Design
Daniel Roesch . . . . . Professor of Automotive Engineering

FACULTY MEMBERS

Arthur W. Sear . . . . . Assistant Professor of Electrical Engineering

Pi Tau Sigma, national honorary mechanical engineering fraternity, was established March 16, 1915, at the University of Illinois. It was founded by students in the department of mechanical engineering who, having felt the need of closer association to foster the spirit of liberal culture in engineering students, and having maintained a high scholarship, took the necessary steps for the organization of such a society. Its purposes are to emphasize the high ideals of its profession, to stimulate student interest in student activities and to promote the welfare of its members.





Buehne, Carlstone, Dufour, Erisman, Gosswiller
Hoffman, Monger, Moravec, Nelson, Penfold, Suman

ACTIVE MEMBERS

Willis G. Buehne
Paul A. Carlstone
Raymond J. Dufour
Maurice J. Erisman
Earl W. Gosswiller
William C. Hoffman
Harold J. Monger
Julius Moravec, Jr.
Raymond E. Nelson
Norman C. Penfold
Robert W. Suman

CHARTER MEMBERS

Samuel Allen Baird
Earl Gustav Benson
James Pendleton Dunlap
George Seth Maffit, Jr.
Eugene William Odenwaldt
Henry Walter Regenberger
Charles Morgan Rowley
John Maxwell Shoemaker
George Cristy Kramer

Delta, the fifth member of a roll call that now numbers nine, was installed at Armour, December 22, 1924.

Students are elected each year from the upper half of the senior class and the upper third of the junior class. The upper third of the junior class is eligible in the spring. Though high scholarship is essential, other characteristics of the candidate such as personality, character, leadership, and college activity are taken into account.



PI NU EPSILON

HONORARY MUSICAL
Founded at Armour in 1927

Pledge Ribbon
Scarlet and Grey

FACULTY MEMBERS

Charles W. Leigh . . . . . Professor of Analytic Mechanics
Howard M. Raymond . . . . . President of Armour Institute

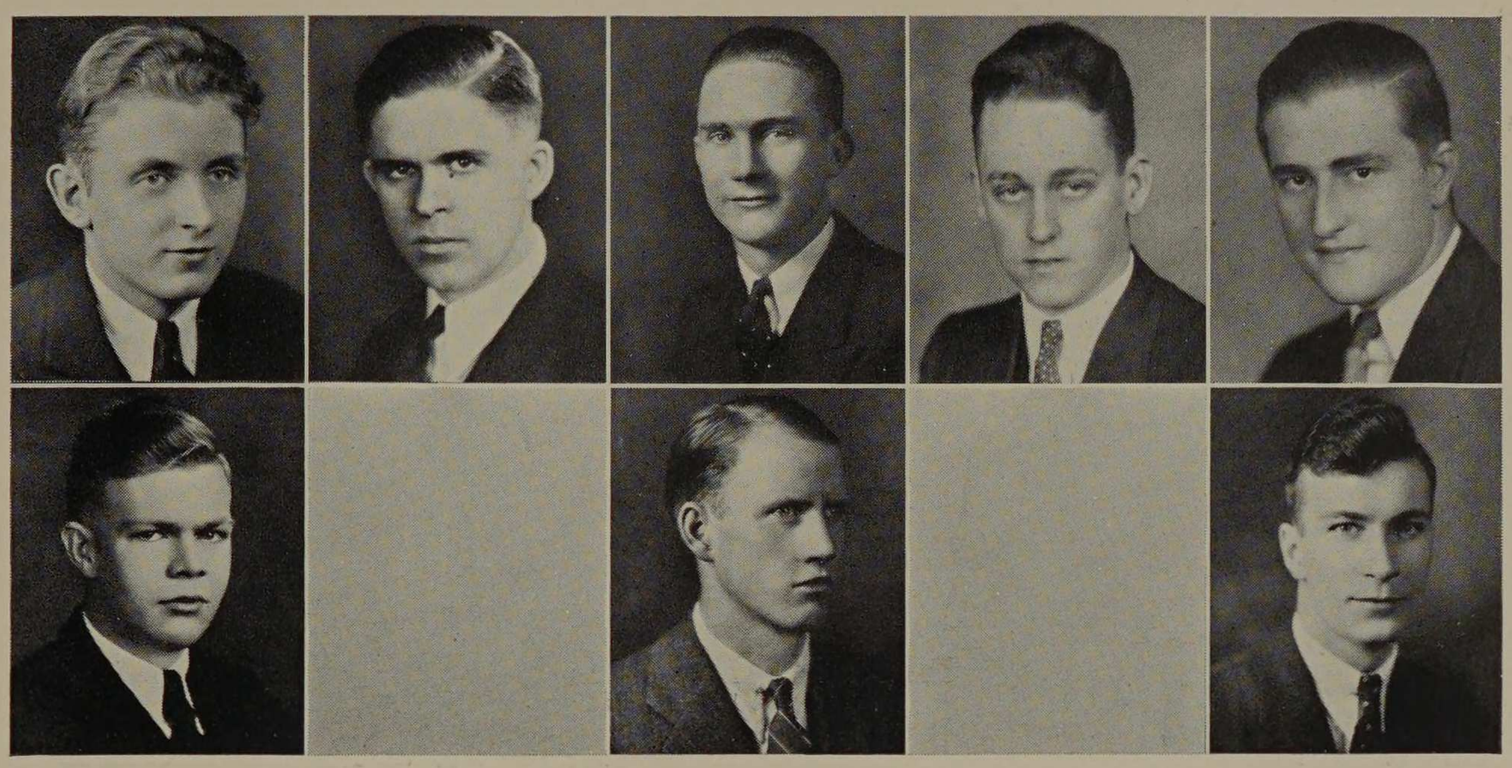
CHARTER MEMBERS

Thornton J. Clark
David G. Greenfield
W. MacDowell Horn
Charles Wilber Leigh
Nicholas Markoff
Kent H. Parker
George Rezac
William E. Vevurka
Willard Wilson

In 1927, Pi Nu Epsilon was organized as a musical honorary fraternity. It followed many months of consideration of the problems of the musical clubs and the need for such an organization. The charter members were a sincere group of men who realized the need of a stimulus for the musical organizations at Armour.

The aims of the fraternity have been to honor the men who have devoted their time and energies for four years to the musical clubs at Armour, to stimulate interest in the musical clubs and a broader interest in music and musical affairs at Armour.





Lange, Clanton, Collick, Clarkson, Brenner
Meehan, Reardon, Steinhaus

ACTIVE MEMBERS

John L. Brenner
Carl N. Clanton
Clarence Clarkson
Milton A. Collick
William W. Lange
Robert F. Meehan
Edward P. Reardon
Arthur L. Steinhaus

Twice each year the members scan the roll of the musical clubs and select therefrom those seniors and juniors who have been prominent in furthering the musical cause. Before initiation each pledge must prepare a paper, requiring research in the musical world.

As the organization is a musical fraternity there is no scholarship requirement which a man must attain before he may be pledged to Pi Nu Epsilon. However, he must pass a rigid examination of his musical knowledge before he may be pledged.

ALPHA CHI SIGMA

Founded in 1906

Forty-seven Active Chapters
Seventeen Professional Chapters

ALPHA PSI CHAPTER

Established 1930

FACULTY MEMBERS

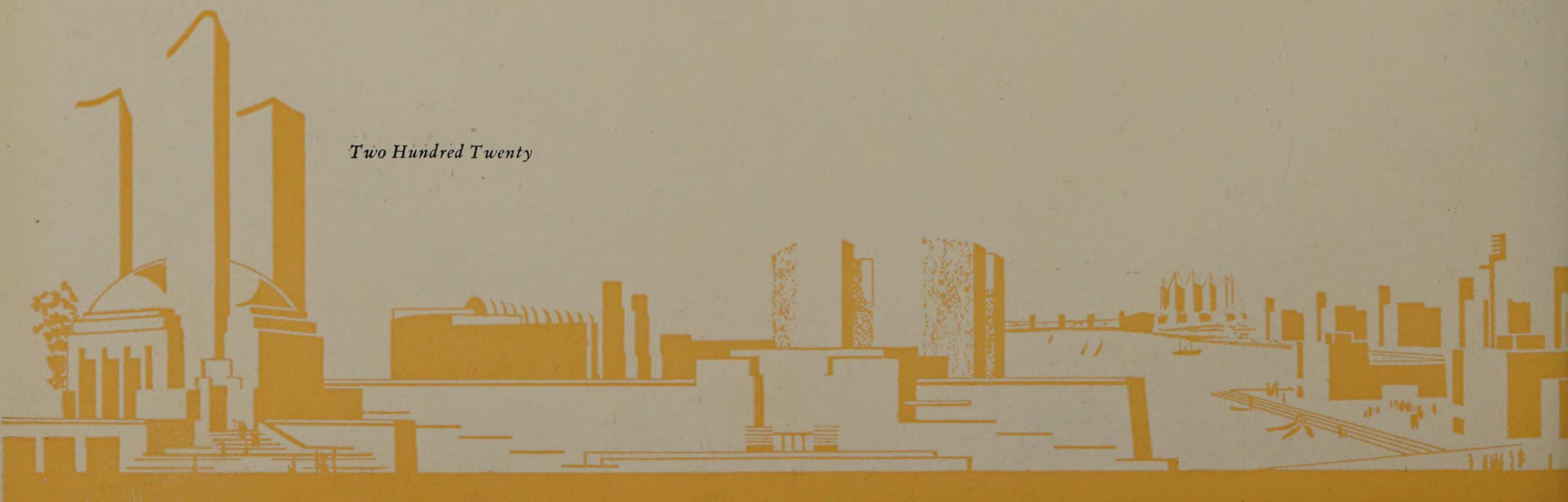
Charles A. Tibbals . . . . . Professor of Analytical Chemistry
Arthur H. Carpenter . . . . . Associate Professor of Metallurgy
Walter J. Bentley . . . . . Assistant Professor of Chemical Engineering
John J. Schommer . . . . . Assistant Professor of Industrial Chemistry

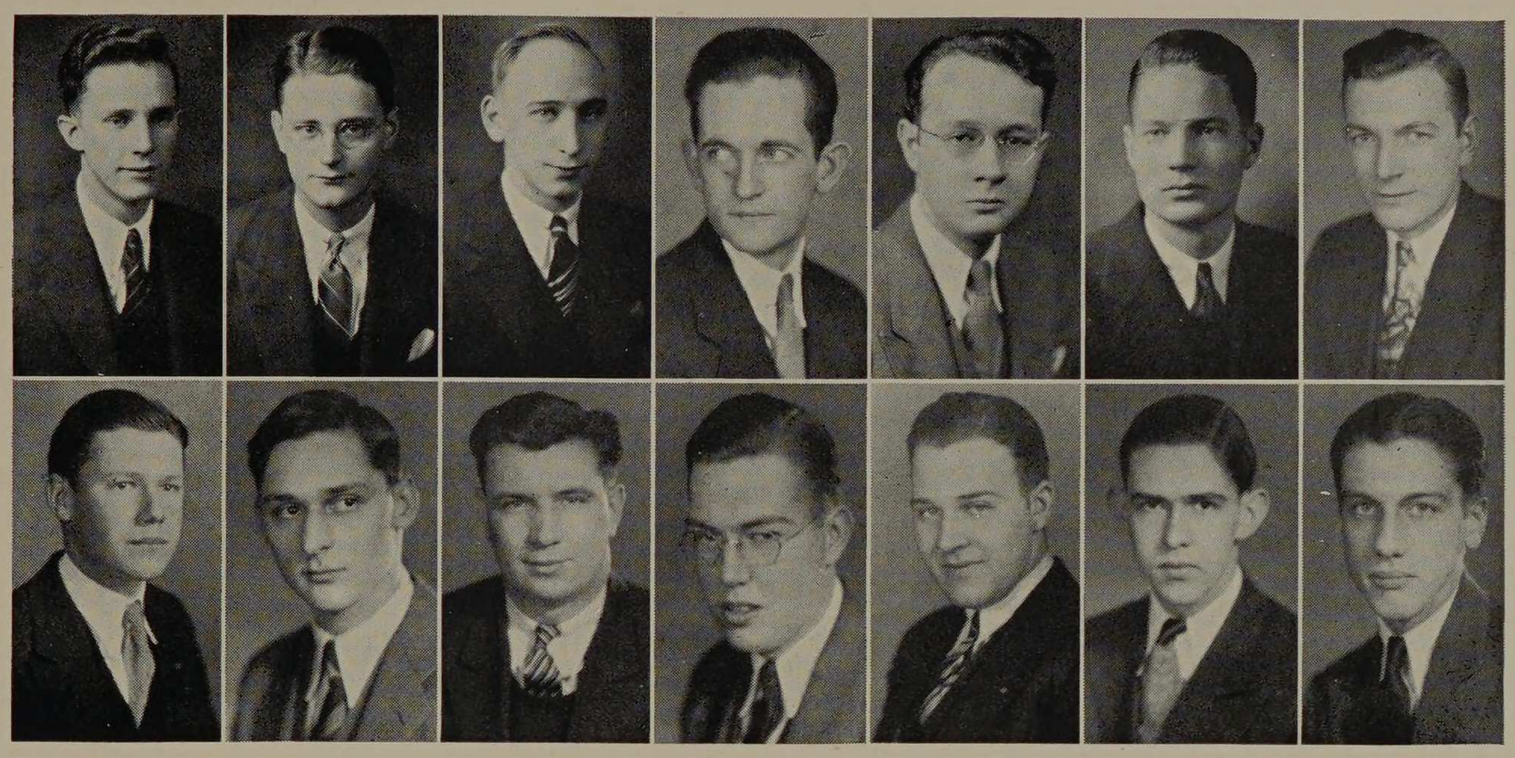
CHARTER MEMBERS

Edward A. Armit
Frederick B. Attwood
Walter J. Bentley
Russell H. Blom
Albert F. Bigelow
Lawrence C. Brunstrum
Arthur H. Carpenter
John O. Cavanagh
James J. Doheny, Jr.
Oliver J. Fiola
Maurity P. Johnson
Harold J. Lathomn
Isaac B. Lehman
Orville G. Linnell
Maurice E. Lovejoy
Leonard V. Melcarek
Charles E. Morris
Ulrich G. Nolf
George L. Parkhurst
Peter M. Rayerick
Clarence H. Seeley
Albin J. Stabovitz
Charles J. Stamberg
Oscar R. Steinert, Jr.
Gervase J. Stockmann
John E. Tarman
Charles A. Tibbals
Walter R. Trognitz

On December 13, 1930, the members of the local fraternity known as Flask and Beaker were initiated into Alpha Chi Sigma as the forty-seventh collegiate chapter.

The fraternity conflicts in no way with Phi Lambda Upsilon, honorary chemical. The purpose of Alpha Chi Sigma is to bring chemical students and professional chemists into closer contact and to strive for the advancement of chemistry both as a science and as a profession.





Bestler, Booth, Ream, Helmick, Miller, Johannisson, Hollman
Schorling, Marty, Kopecki, McFarland, Lange, Mullane, Gunderson

ACTIVE MEMBERS

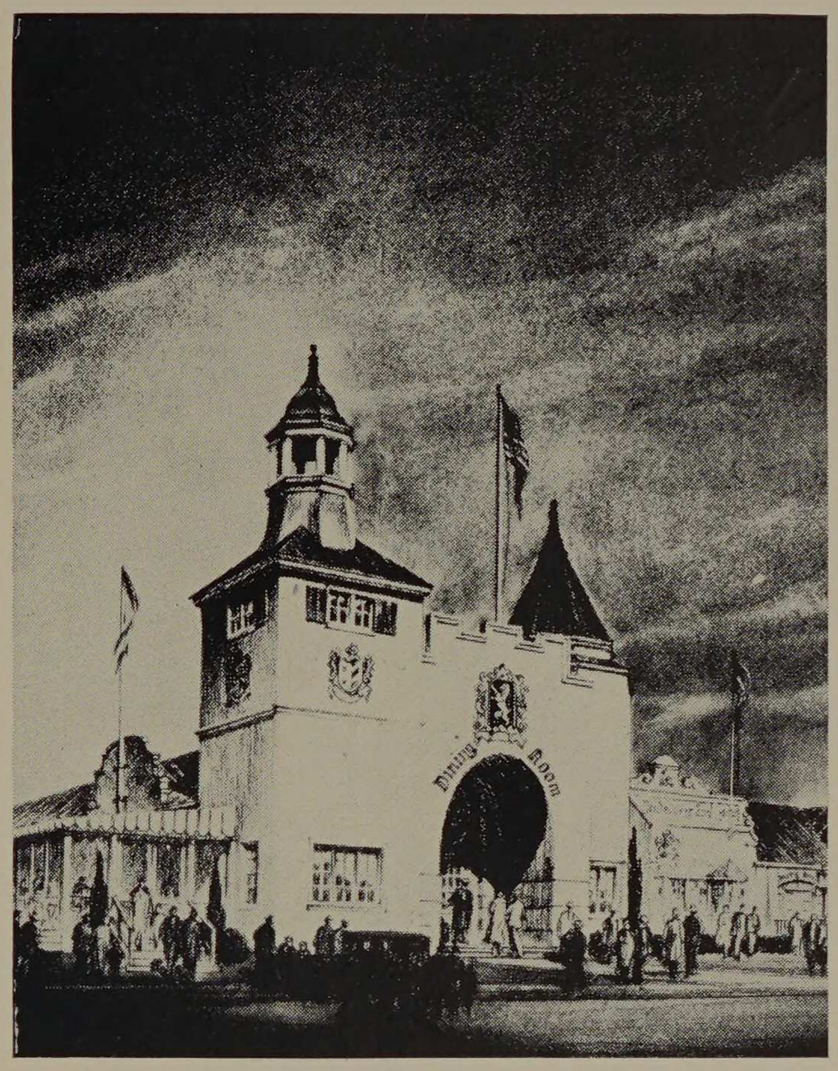
Paul Bestler
William G. Booth
Kenneth Eberly
Allen H. Helmick
Walter G. Hollman
Walter E. Gunderson
Sven Johannisson
Alfred Kapecki
J. Russell Lang
Rolland McFarland
Raymond W. Marty
John H. Miller
Daniel J. Mullane
Altus M. Ream
Robert H. Schorling

In addition to the forty-seven collegiate chapters there are seventeen professional chapters situated in the principal cities of the country. A feature of the fraternity is a placement bureau maintained by these professional chapters to aid graduates in securing work.

Candidates are elected twice a year from the senior, junior and sophomore classes in Chemical Engineering. Election is based on scholarship, ability and personality.

■

in youth there is more gaiety and less deep thought, but with the adding of years the scale gradually balances and then slowly tips to the other side. in so doing, the companionships and pleasantries of the past are the thoughts which often occupy that serious mind.



SOCIAL FRATERNITIES

PHI KAPPA SIGMA

Founded at University of Pennsylvania in 1850

ALPHA EPSILON CHAPTER

Established in 1898

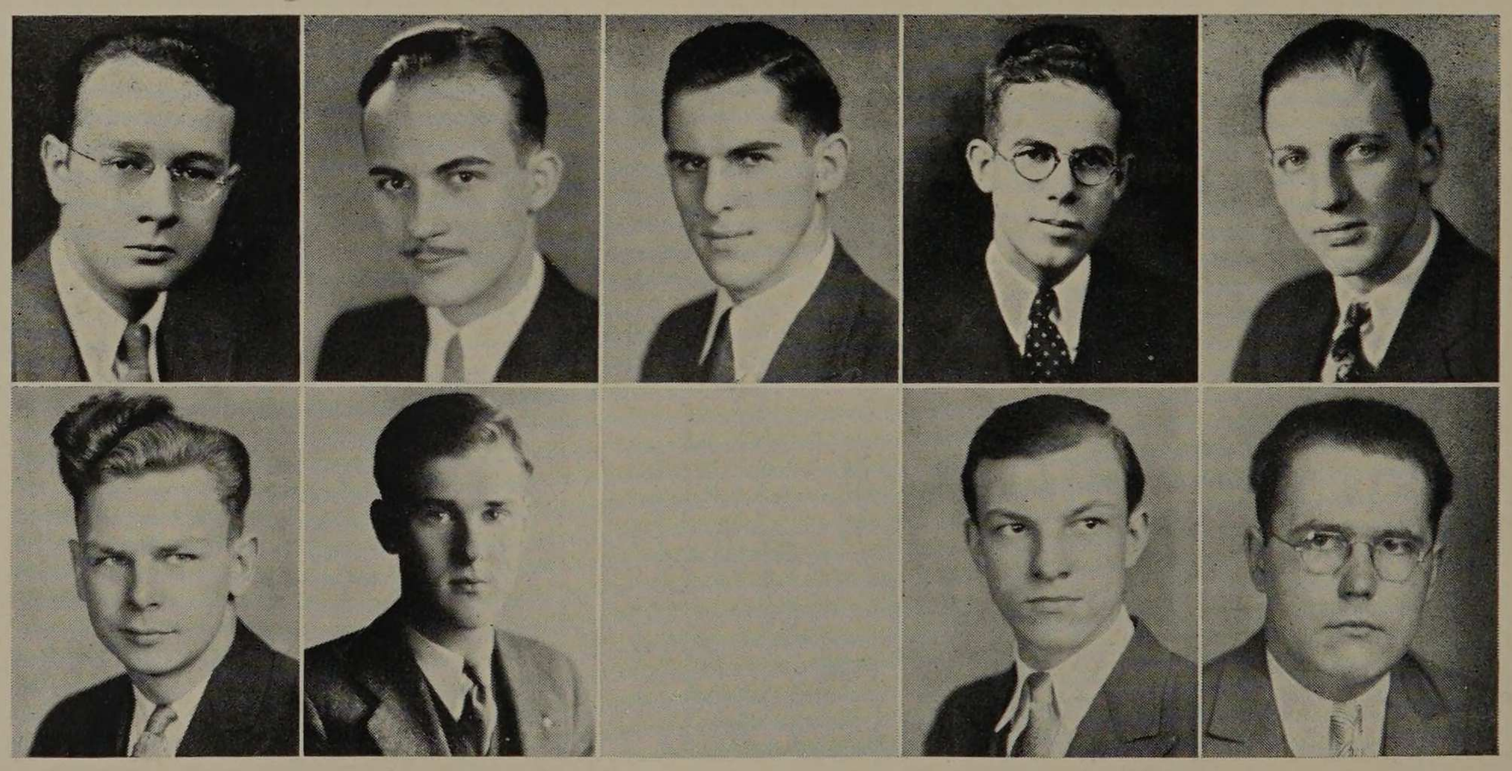
3236 S. Michigan Boulevard

FACULTY MEMBERS

John J. Schommer Walter H. Seegrist Gordon C. Erickson

ACTIVE MEMBERS

Louis W. Biegler
Edward O. Dase
William H. Fogle
Ronald P. Dobson
Ellsworth E. Eberth
George H. Gray
Donald L. Jacobson
James W. Juvinall
Willard C. McCarty
T. Arthur Marow
John H. Miller
Earl A. Phillips
Carl H. Sachs, Jr.
William H. Savage
Carroll K. Simons
J. Robert Van Dyke
John S. Walker
George W. Wheaton



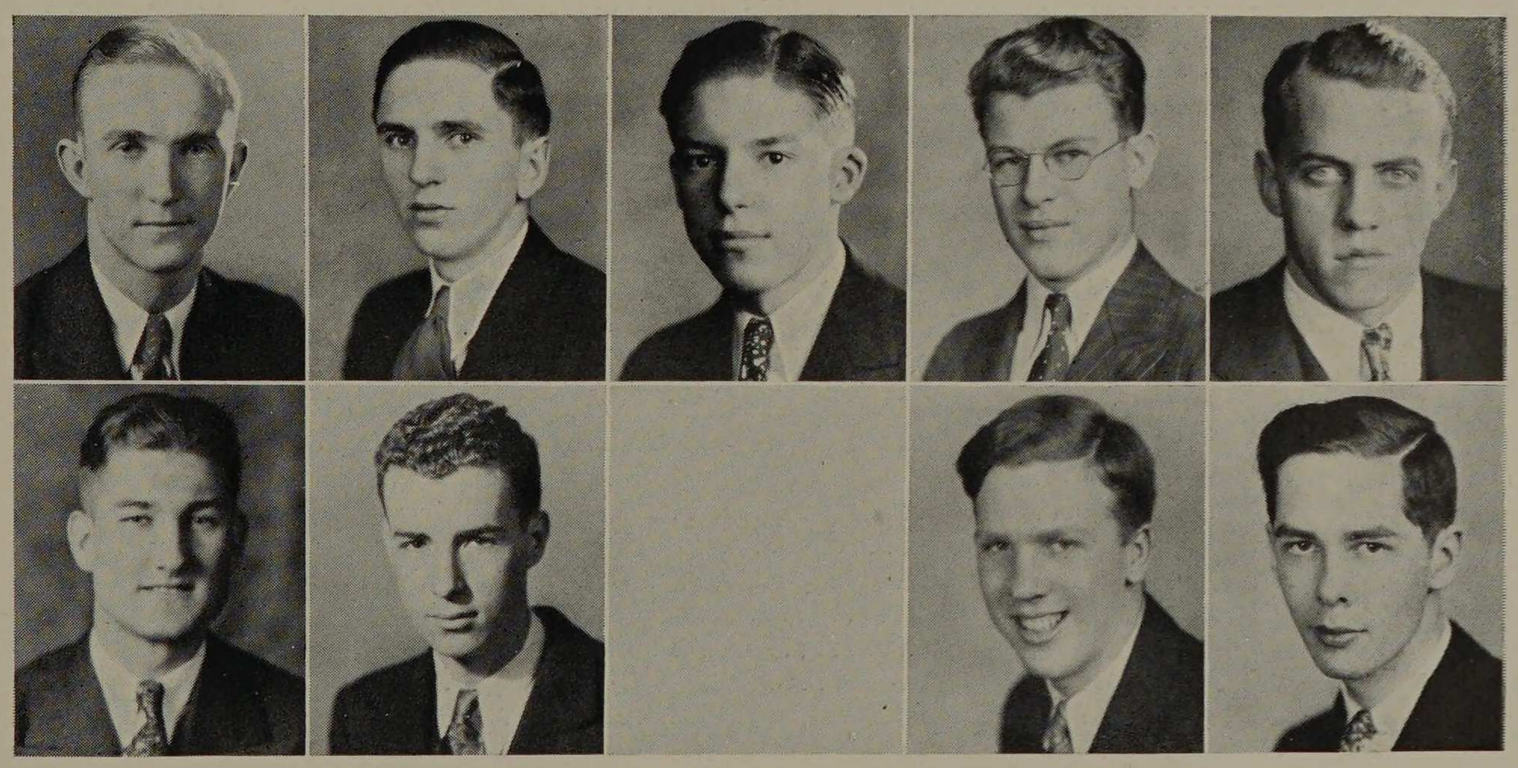
Miller, Simons, Eberth, Juvinall, Sachs
Jacobson. Gray, Dase, Dobson

Colors
Old
Gold
and
Black

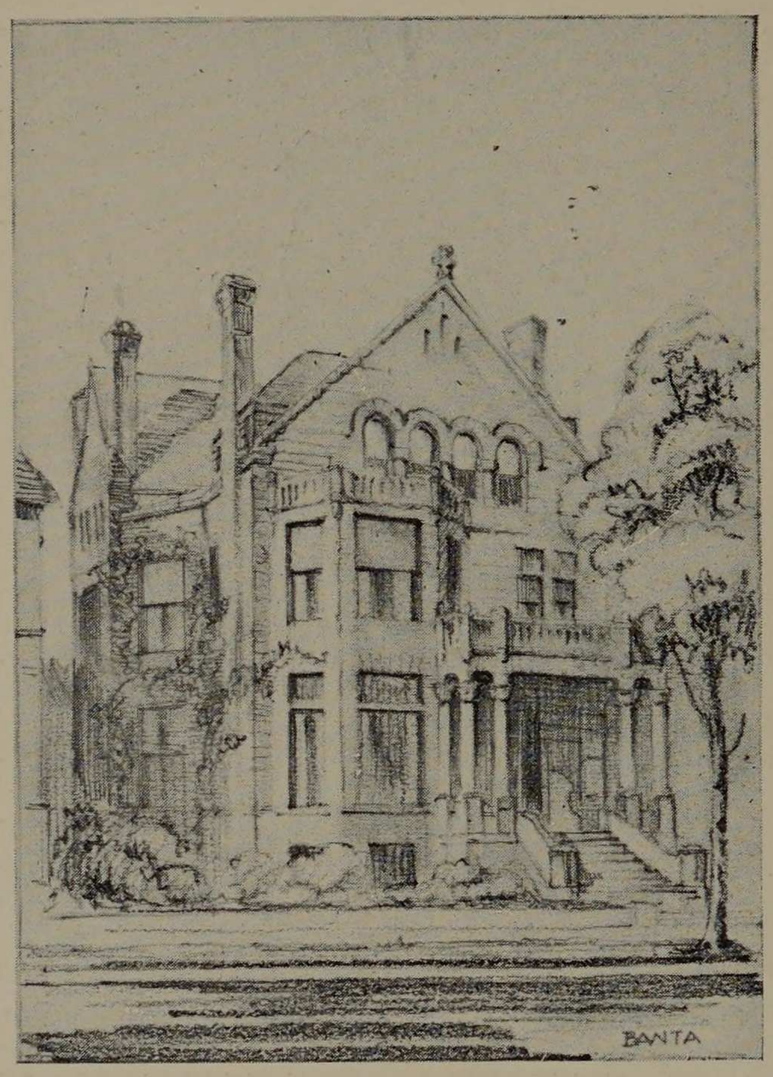
Flower
None

SOCIAL CALENDAR

Rushee Dance	October 1
Founder's Day Banquet	October 19
House Dance	November 4
Alumni Smoker	November 21
Pledge Dance	December 3
Parents' Reception	December 18
New Year's Dinner Dance	December 31
Tri-Chapter Initiation	February 24
Tri-Chapter Formal	March 4
Spring Dance	March 18
Alumni Smoker	April 7
Chapter Picnic	May 14
Senior Farewell Formal	May 27

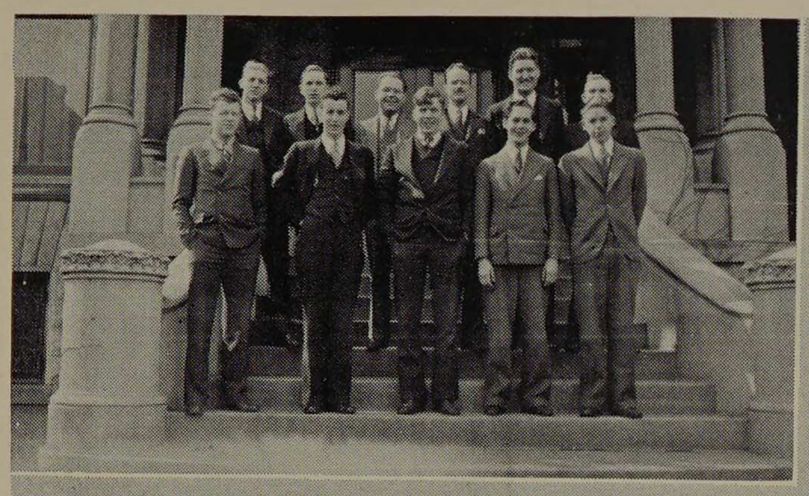


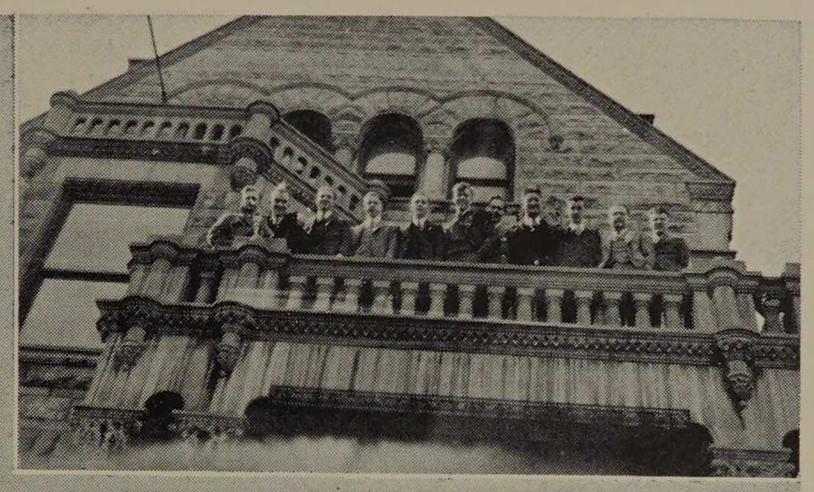
Biegler, Marow, McCarty, Van Dyke, Walker
Wheaton, Fogle, Phillips, Savage



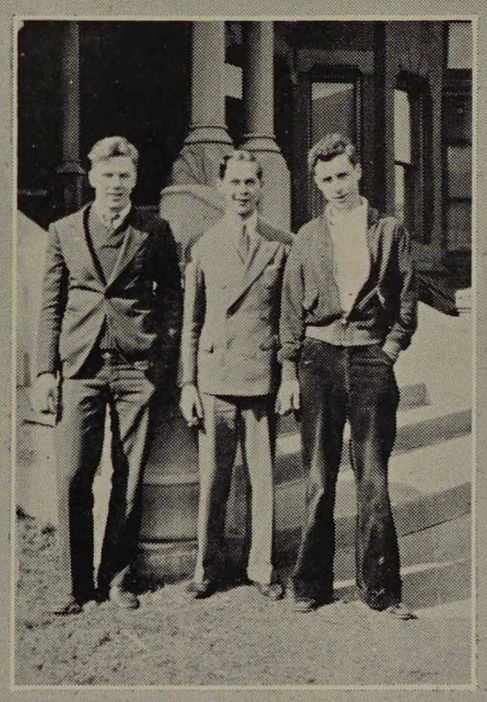
CHAPTER ROLL

ALPHA ..... University of Pennsylvania
DELTA ..... Washington and Jefferson College
EPSILON ..... Dickinson College
ZETA ..... Franklin and Marshall College
ETA ..... University of Virginia
IOTA ..... Columbia University
KAPPA ..... Dartmouth College
LAMBDA ..... University of North Carolina
MU ..... Tulane University
OMICRON ..... University of Oklahoma
RHO ..... University of Illinois
TAU ..... Randolph-Macon College
UPSILON ..... Northwestern University
PHI ..... University of Richmond
PSI ..... Pennsylvania State College
ALPHA ALPHA ..... Washington and Lee University
ALPHA BETA ..... University of Toronto
ALPHA GAMMA ..... West Virginia University
ALPHA DELTA ..... University of Maine
ALPHA EPSILON ..... Armour Institute of Technology
ALPHA ZETA ..... University of Maryland
ALPHA ETA ..... University of South Carolina
ALPHA THETA ..... University of Wisconsin
ALPHA IOTA ..... Vanderbilt University
ALPHA KAPPA ..... University of Alabama
ALPHA LAMBDA ..... University of California
ALPHA MU ..... Massachusetts Institute of Technology
ALPHA NU ..... Georgia School of Technology
ALPHA XI ..... Purdue University
ALPHA OMICRON ..... University of Michigan
ALPHA PI ..... University of Chicago
ALPHA RHO ..... Cornell University
ALPHA SIGMA ..... University of Minnesota
ALPHA TAU ..... Leland Stanford Junior University
ALPHA UPSILON ..... University of Washington
ALPHA PHI ..... State University of Iowa
ALPHA CHI ..... Ohio State University
ALPHA PSI ..... University of California at Los Angeles










ΦΚΣ











DELTA TAU DELTA

Founded at Bethany College in 1859

GAMMA BETA CHAPTER

Established 1901

3155 South Michigan Boulevard

FACULTY MEMBERS

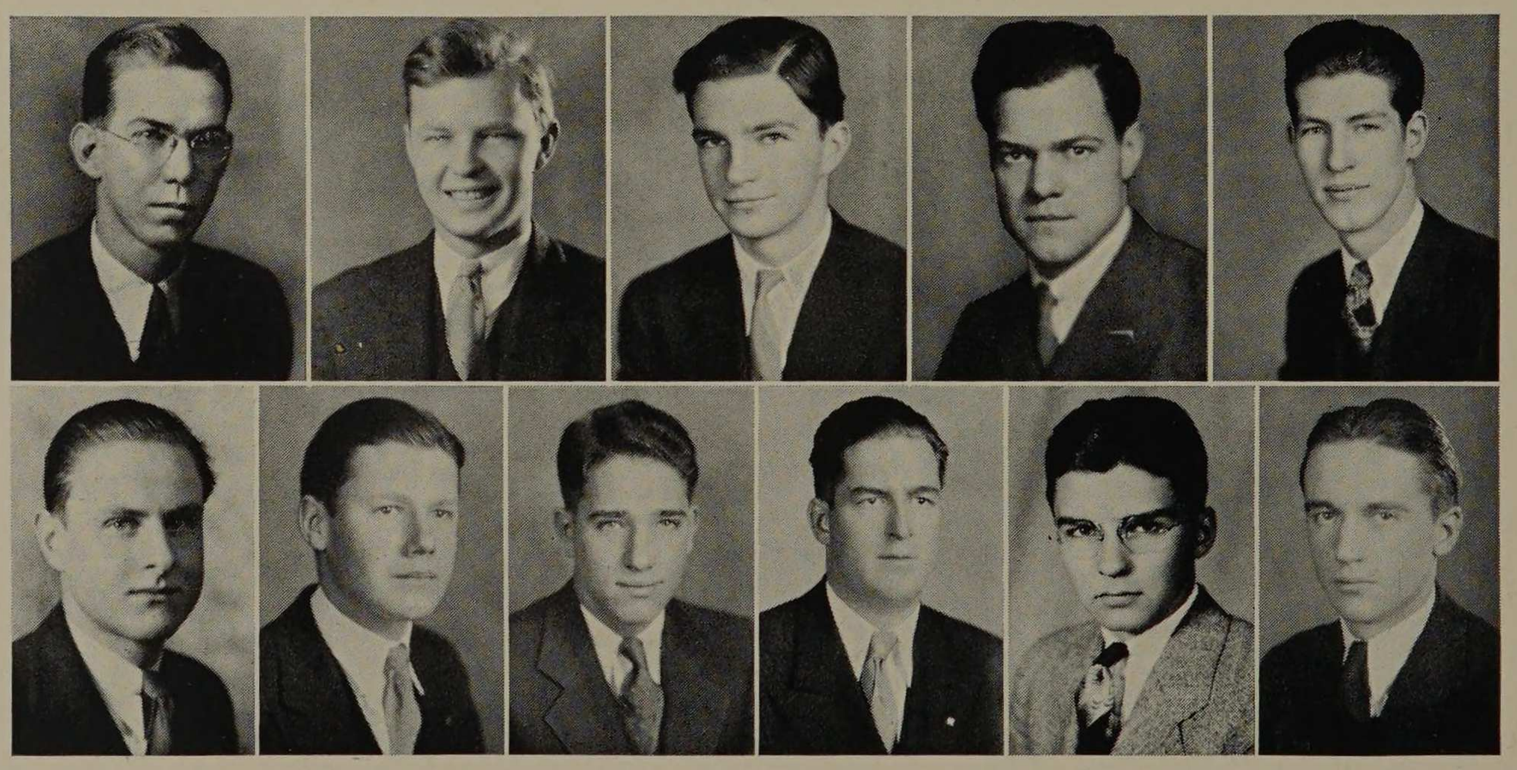
Arthur H. Carpenter
John V. Lizars

ACTIVE MEMBERS

Hugh A. Bisbee
Spencer B. Cone
Lawrence W. Davidson
Ellis H. Doane, Jr.
Francis M. Gibian
John R. Jackson, Jr.
Walter H. Larson
Thomas D. Luckett
John R. McLane
Thomas C. Peavey
Robert H. Schorling
Louis H. Streb
Charles E. Vendley

PLEDGES

John B. Davis
Earl R. Fenske
Frank X. Gallagher
Harry G. Gragg
Arthur F. Kayser
Harry L. Mayfield
Charles W. Nelson
Edward Olson
Paul Orsinger
Walter M. Ready
Frederick A. Smith



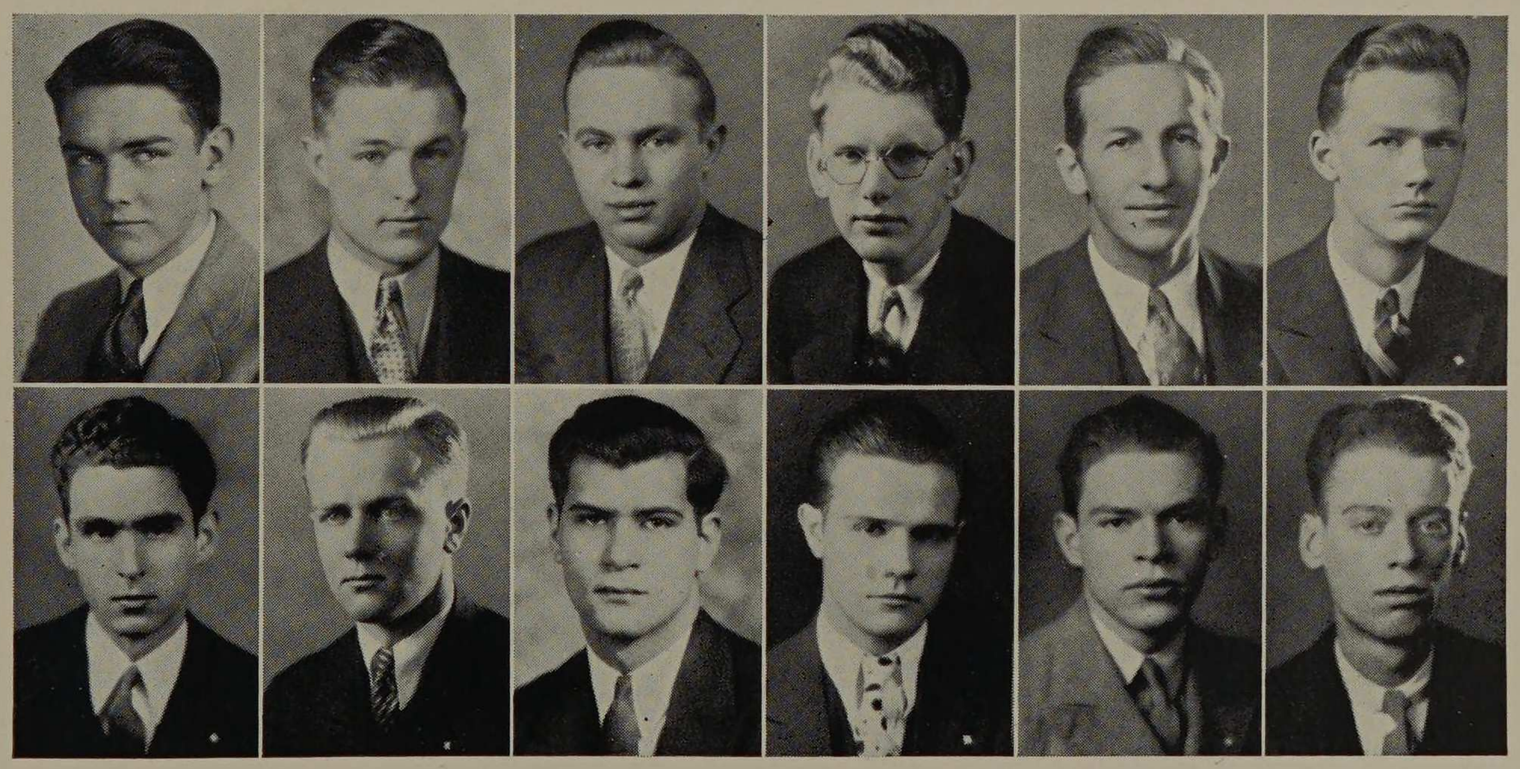
McLane, Jackson, Larson, Luckett, Cone
Peavey, Schorling, Streb, Bisbee, Davidson, Gibian

Colors
Purple, White and Gold

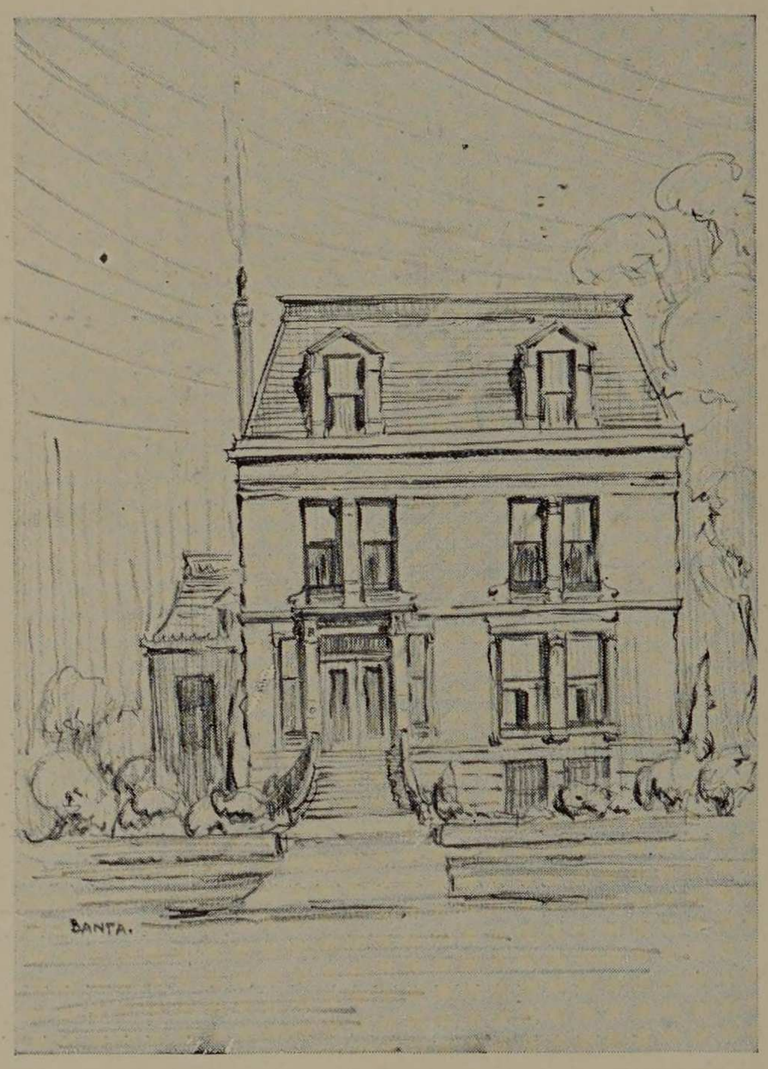
Flower
Pansy

SOCIAL CALENDAR

Rush Dance	October 1
Rush Dance	October 5
Radio Dance	November 4
Pledge Dance	November 28
New Year's Dinner Dance	December 31
Inter Semester Dance	February 3
Initiation Banquet	March 19
President's Dinner	March 30
24th Annual Delt Prom	April 7
Spring Formal	April 23
Founders' Day Banquet	May 10
Farewell Dance	May 28



Doane, Vendley, Fenske, Gragg, Smith, Olson
Nelson, Davis, Kayser, Orsinger, Gallagher, Mayfield



CHAPTER ROLL

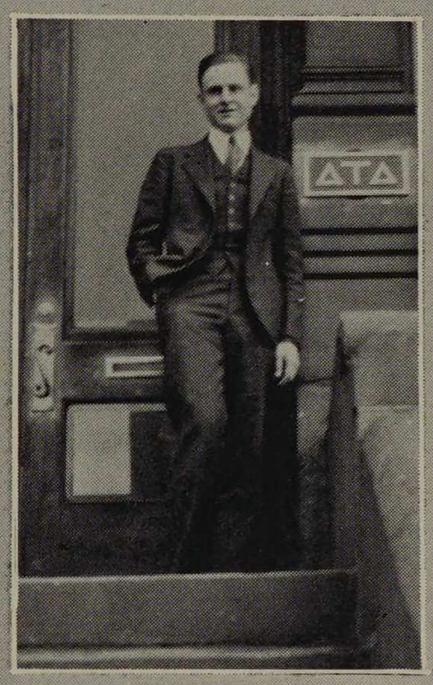
PI ..... University of Mississippi
PHI ..... Washington and Lee University
BETA DELTA ..... University of Georgia
BETA EPSILON ..... Emory University
BETA THETA ..... University of the South
BETA IOTA ..... University of Virginia
BETA XI ..... Tulane University
GAMMA ETA ..... George Washington University
GAMMA IOTA ..... University of Texas
GAMMA PSI ..... Georgia School of Technology
GAMMA OMEGA ..... University of North Carolina
DELTA ALPHA ..... University of Oklahoma
DELTA DELTA ..... University of Tennessee
DELTA EPSILON ..... University of Kentucky
DELTA ZETA ..... University of Florida
DELTA ETA ..... University of Alabama
DELTA KAPPA ..... Duke University
OMICRON ..... University of Iowa
BETA GAMMA ..... University of Wisconsin
BETA ETA ..... University of Minnesota
BETA KAPPA ..... University of Colorado
BETA PI ..... Northwestern University
BETA RHO ..... Leland Stanford Junior University
BETA TAU ..... University of Nebraska
BETA UPSILON ..... University of Illinois
BETA OMEGA ..... University of California
GAMMA ALPHA ..... University of Chicago
GAMMA BETA ..... Armour Institute of Technology
GAMMA THETA ..... Baker University
GAMMA KAPPA ..... University of Missouri
GAMMA MU ..... University of Washington
GAMMA PI ..... Iowa State College
GAMMA RHO ..... University of Oregon
GAMMA TAU ..... University of Kansas
GAMMA CHI ..... Kansas State College
DELTA GAMMA ..... University of South Dakota
DELTA IOTA ..... University of California at Los Angeles
DELTA LAMBDA ..... Oregon State College
DELTA MU ..... University of Idaho
BETA ..... Ohio University
DELTA ..... University of Michigan
ZETA ..... Western Reserve University
EPSILON ..... Albion College
KAPPA ..... Hillsdale College
MU ..... Ohio Wesleyan University
CHI ..... Kenyon College
BETA ALPHA ..... Indiana University
BETA BETA ..... DePauw University
BETA ZETA ..... Butler College
BETA PHI ..... Ohio State University
BETA PSI ..... Wabash College
GAMMA LAMBDA ..... Purdue University
GAMMA XI ..... University of Cincinnati
GAMMA UPSILON ..... Miami University
ALPHA ..... Allegheny College
GAMMA ..... Washington and Jefferson College
NU ..... Lafayette College
RHO ..... Stevens Institute of Technology
TAU ..... Pennsylvania State College
UPSILON ..... Rensselaer Polytechnic Institute
OMEGA ..... University of Pennsylvania
BETA LAMBDA ..... Lehigh University
BETA MU ..... Tufts College
BETA NU ..... Massachusetts Institute of Technology
BETA OMICRON ..... Cornell University
BETA CHI ..... Brown University
GAMMA GAMMA ..... Dartmouth College
GAMMA DELTA ..... West Virginia University
GAMMA ZETA ..... Wesleyan University
GAMMA NU ..... University of Maine
GAMMA OMICRON ..... Syracuse University
GAMMA SIGMA ..... University of Pittsburgh
GAMMA PHI ..... Amherst College
DELTA BETA ..... Carnegie Institute of Technology
DELTA THETA ..... University of Toronto







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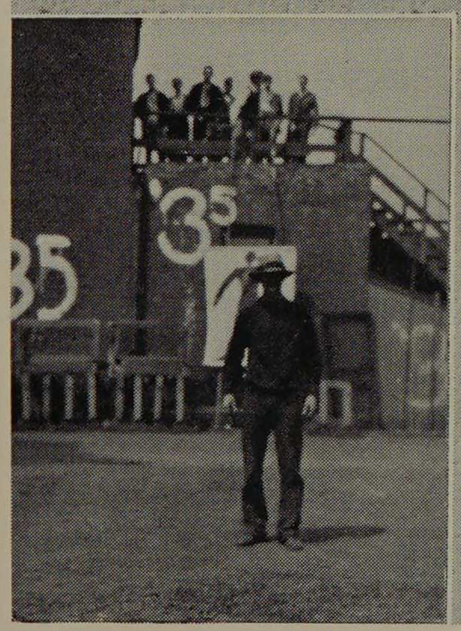
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THETA XI

Founded at Rensselaer Polytechnic Institute in 1864

ALPHA GAMMA CHAPTER

Established 1922

3305 South Michigan Boulevard

FACULTY MEMBERS

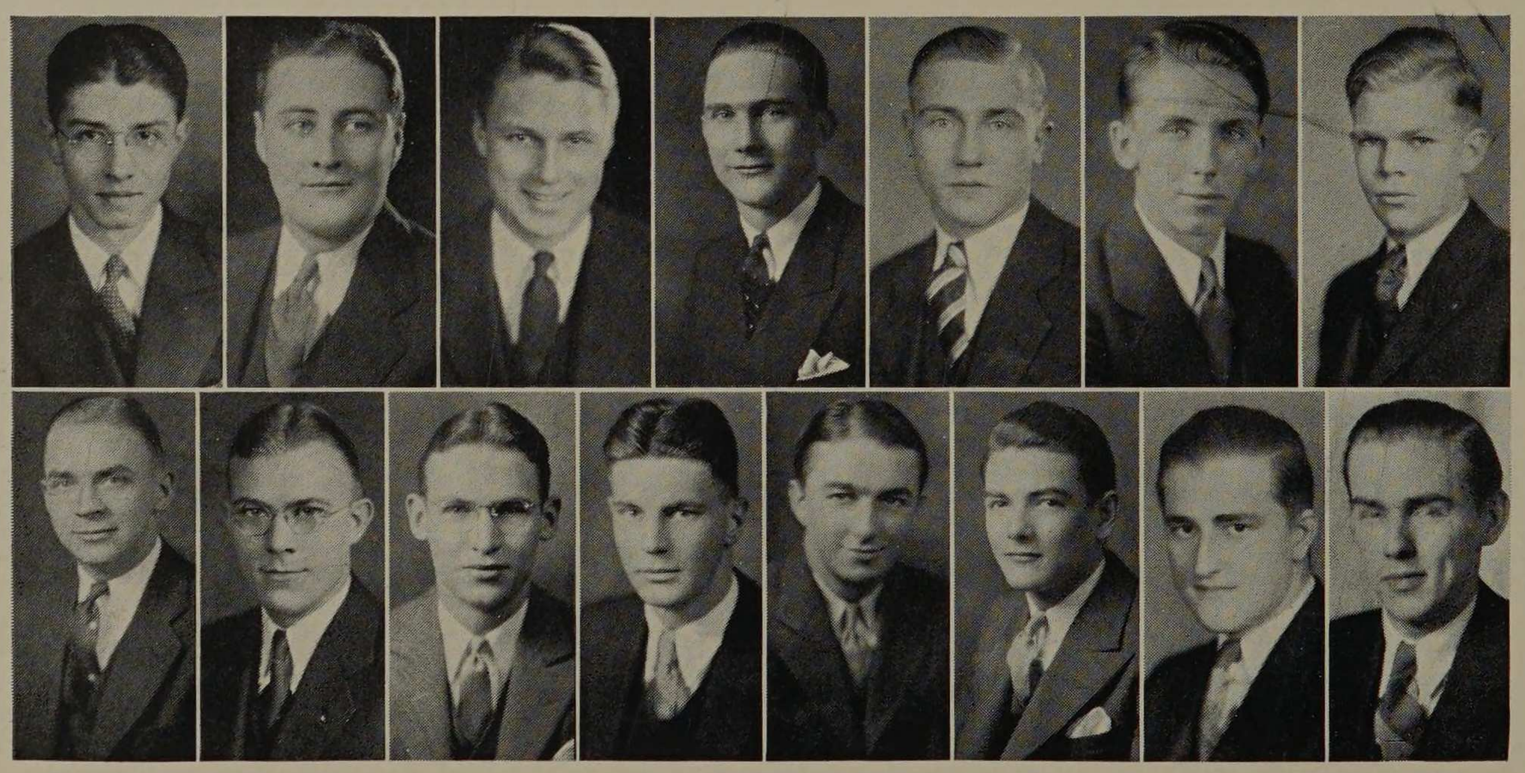
Charles E. Paul
John C. Penn
Robert V. Perry
Arthur W. Sear

ACTIVE MEMBERS

Wilbur E. Baumann
George R. Belton
John L. Brenner
Roy W. Carlstrom
Norman E. Colburn, Jr.
Milton A. Collick
Ray L. Ellis
Karl M. Hanson
William D. Jackson
Carlton H. Landis
J. Arthur Larson
Frank LeGrady, Jr.
Elmer G. Lundin
C. Lodge McKibben
Robert F. Meehan
Clifford A. Nelson
Raymond E. Nelson
Jack R. Pechman
Leonard G. Rummel
William Scharringhausen
Carl T. Seaberg
William T. Smethells
P. Vincent Smith
Jarl T. Sorensen
W. Walch Tyler
Lee C. Willis

PLEDGES

Clyde Adair
Ernest C. Bewersdorf
Carlo M. Christenson
Hugh Kent
Robert P. Nelson
Eugene Norris
Curtis H. Parsons



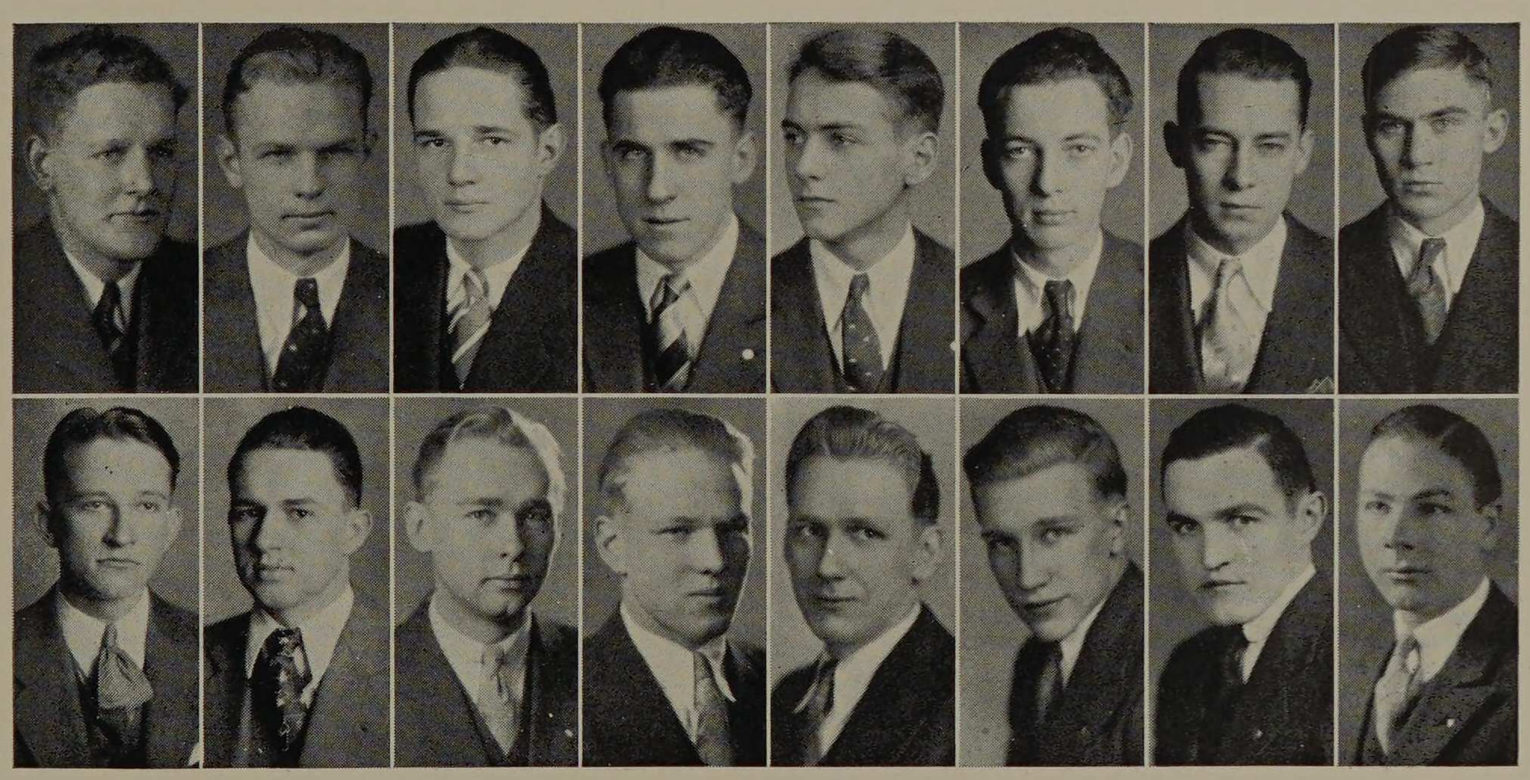
Baumann, Belton, Carlstrom, Collick, Ellis, Jackson, Meehan
C. A. Nelson, R. E. Nelson, Pechman, Sorensen, Smethells, Tyler, Brenner, Colburn

Colors
Blue and White

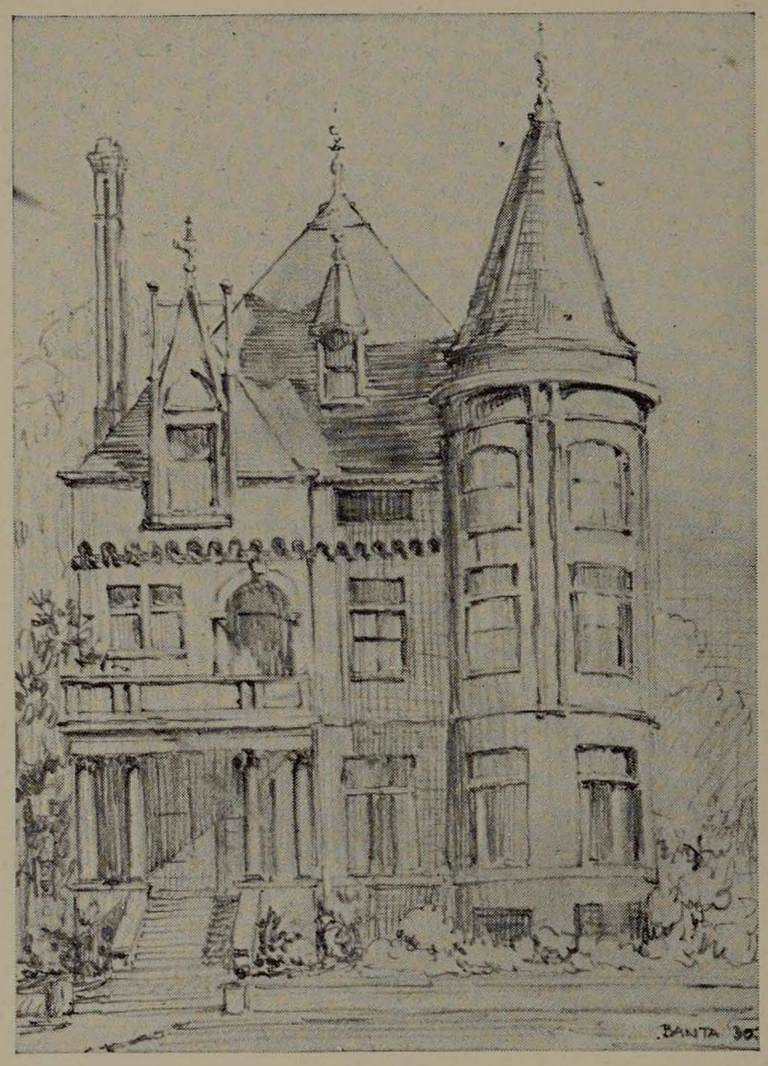
Flower
None

SOCIAL CALENDAR

Radio Dance	September 24
Rush Dance	October 1
Radio Dance	October 15
Hallowe'en Party	November 5
Alumni Smoker	November 19
Formal Dinner Dance	December 16
Radio Dance	January 14
Radio Dance	February 25
Hard Times Party	March 25
Spring Formal	April 7
Founders' Day Banquet	April 29
Picnic	May 21
Senior Farewell	June 6

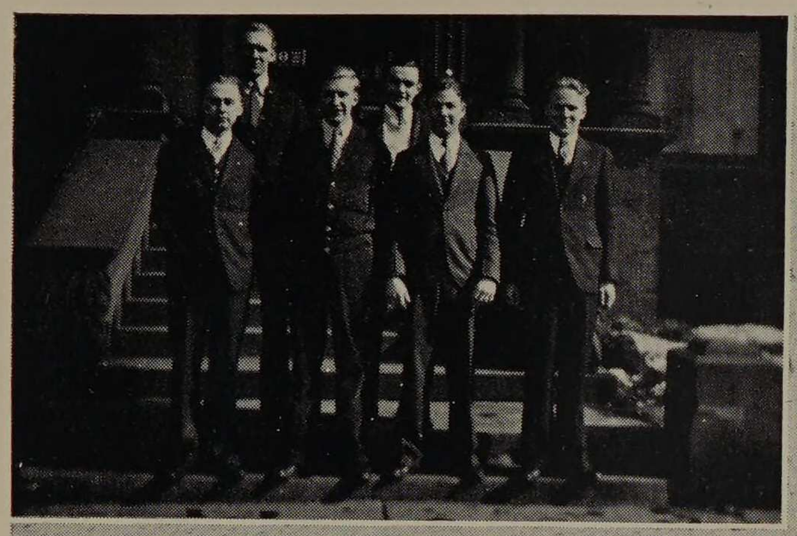


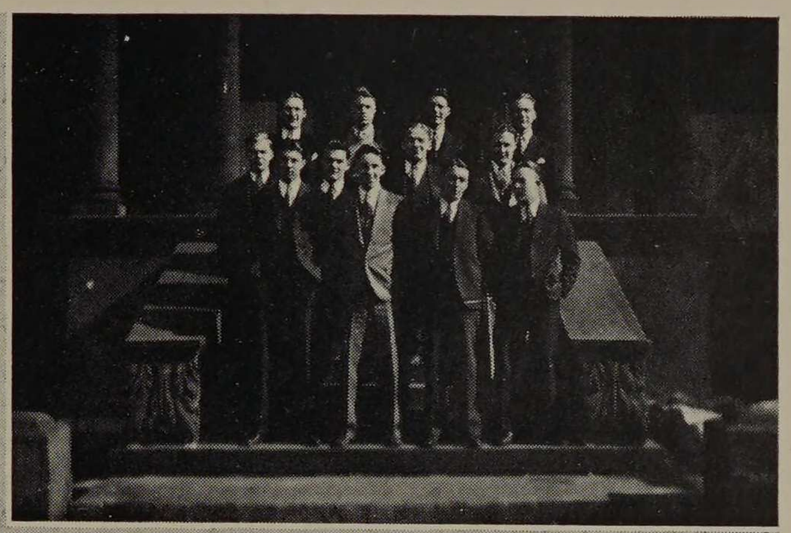
Larson, Lundin, Rummel, Scharringhausen, Adair, Hanson, Landis, McKibben
Smith, Willis, R. P. Nelson, Parson, Bewersdorf, Christensen, Kent, Norris

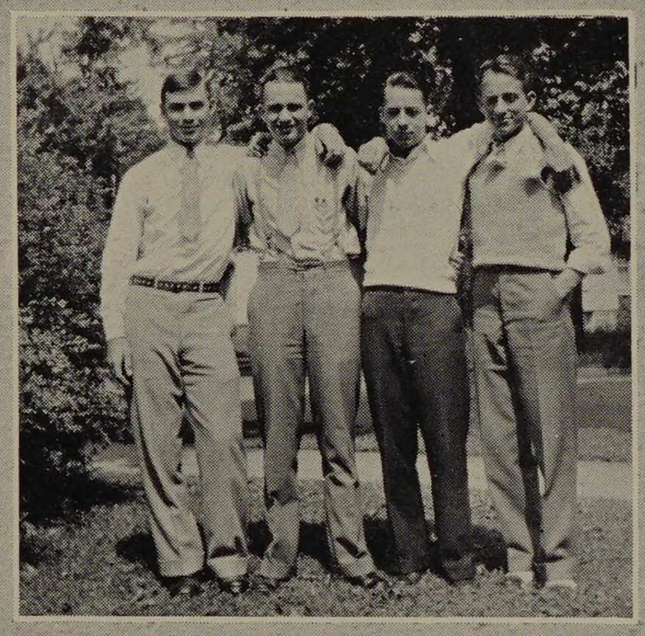


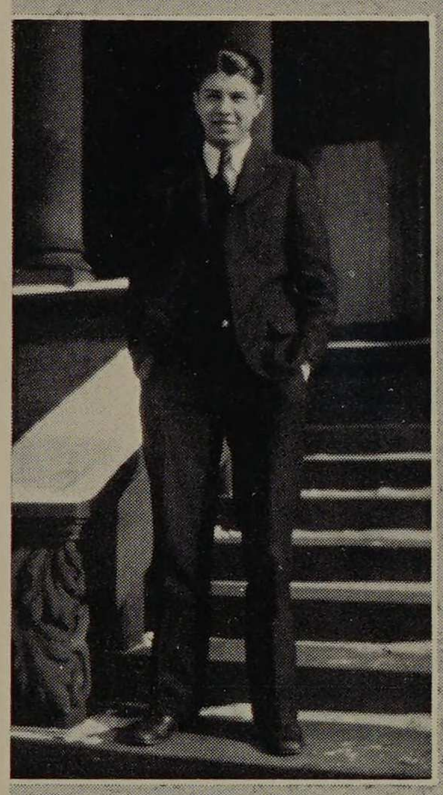
CHAPTER ROLL

ALPHA ..... Rensselaer Polytechnic Institute
BETA ..... Sheffield Scientific School of Yale University
GAMMA ..... Stevens Institute of Technology
DELTA ..... Massachusetts Institute of Technology
EPSILON ..... Columbia University
ZETA ..... Cornell University
ETA ..... Lehigh University
THETA ..... Purdue University
IOTA ..... Washington University
KAPPA ..... Rose Polytechnic Institute
LAMBDA ..... Pennsylvania State College
MU ..... Iowa State College
NU ..... University of California
XI ..... State University of Iowa
OMICRON ..... University of Pennsylvania
PI ..... Carnegie Institute of Technology
RHO ..... University of Texas
SIGMA ..... University of Michigan
TAU ..... Leland Standford Jr. University
UPSILON ..... University of Washington
PHI ..... University of Wisconsin
CHI ..... Ohio State University
PSI ..... University of Minnesota
OMEGA ..... Washington State College
ALPHA ALPHA ..... Louisiana State University
ALPHA BETA ..... University of Illinois
ALPHA GAMMA ..... Armour Institute of Technology
ALPHA DELTA ..... Oregon State College
ALPHA EPSILON ..... University of Nebraska
ALPHA ZETA ..... University of California at Los Angeles
ALPHA ETA ..... University of Colorado
ALPHA THETA ..... Lafayette College
ALPHA IOTA ..... Kansas State College
ALPHA KAPPA ..... Northwestern University
ALPHA LAMBDA ..... University of Alabama
ALPHA MU ..... Amherst College

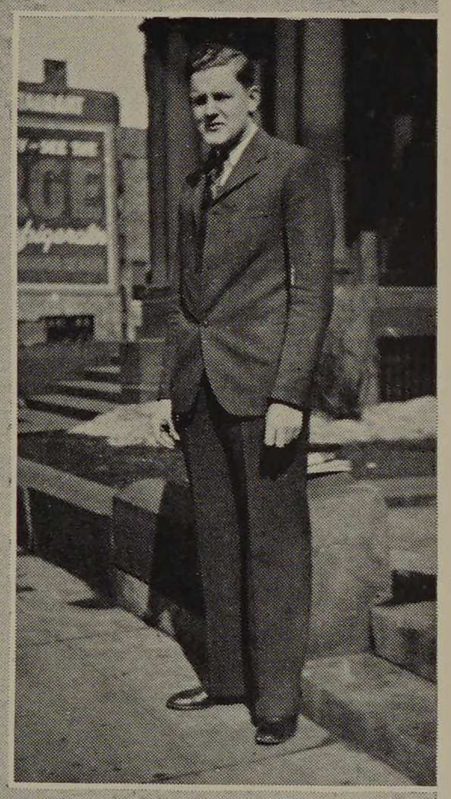


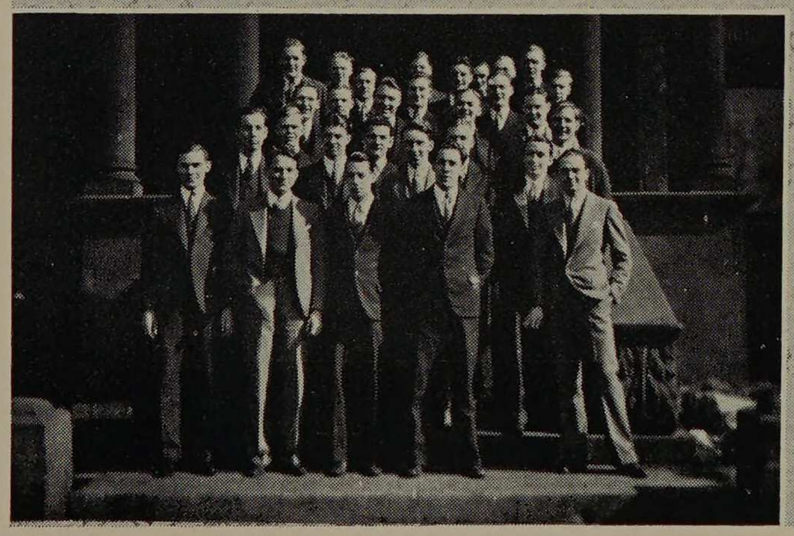














SIGMA KAPPA DELTA

Founded at Armour in 1922

BETA CHAPTER
3344 South Michigan Boulevard

FACULTY MEMBERS

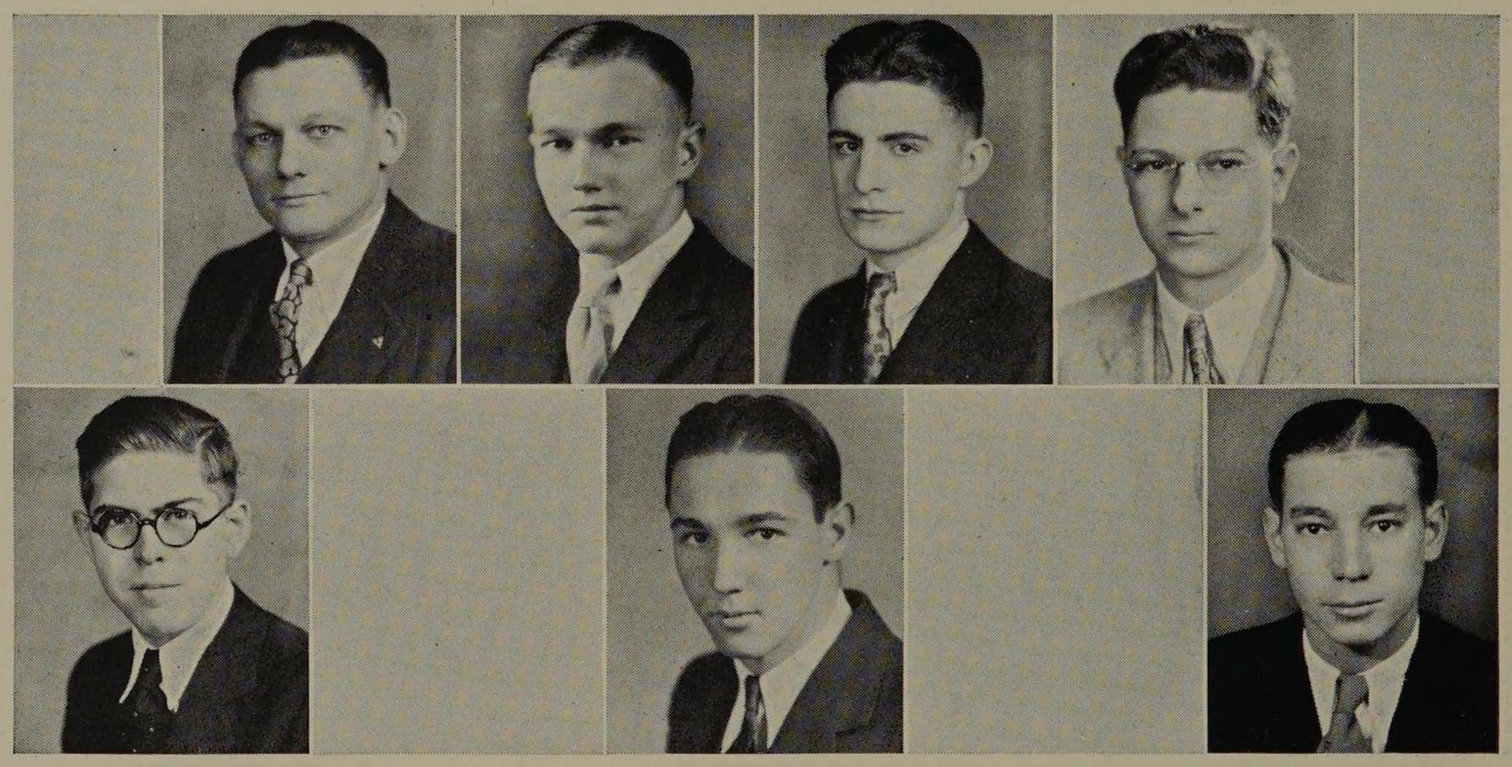
Henry T. Heald
William H. Lautz
Charles W. Leigh
Edwin S. Libby
David P. Moreton
James C. Peebles

ACTIVE MEMBERS

Emmett H. Babcock
Victor H. Camsky
Luke G. Cosme
George H. Glos
Bertil Hanson
Edwin Koriath
William Krause
Earl Kreft
Alexander Kulpak
Bradford Larson
Orville G. Linnell
George M. Reed
Joseph Stehno
Robert G. Stevens
Gervase J. Stockman

PLEDGES

Edward Baumel
Nick C. Giovan
Henry Koeber
Arthur J. Skorjdal



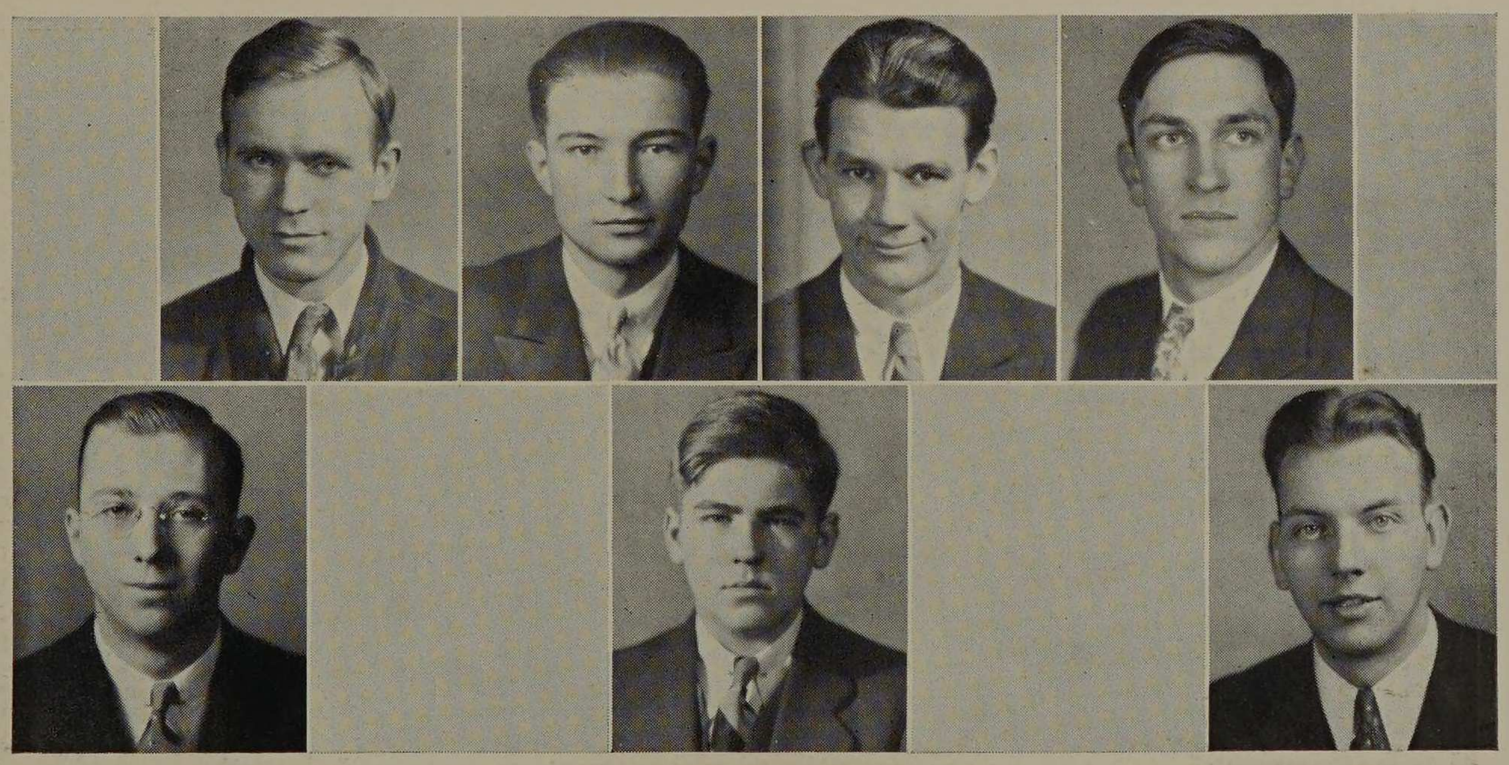
Camsky, Larson, Linnell, Stockman
Hanson, Reed, Stehno

Colors
Lavender and White

Flower
White Rose

SOCIAL CALENDAR

Rushee Dance	October 1
Hallowe'en Party	November 5
Alumni Smoker	November 18
Christmas Dance	December 17
Pledge Dance	February 4
Initiation Banquet	February 11
Hard Times Party	April 8
Alumni Banquet	May 13
Beach Party	May 28



Baumel, Glos, Koeber, Krause
Kreft, Stevens, Skorjdal

PHI PI PHI

Founded at Northwestern University in 1915

GAMMA CHAPTER

Established 1923

3131 South Michgan Boulevard

FACULTY MEMBERS

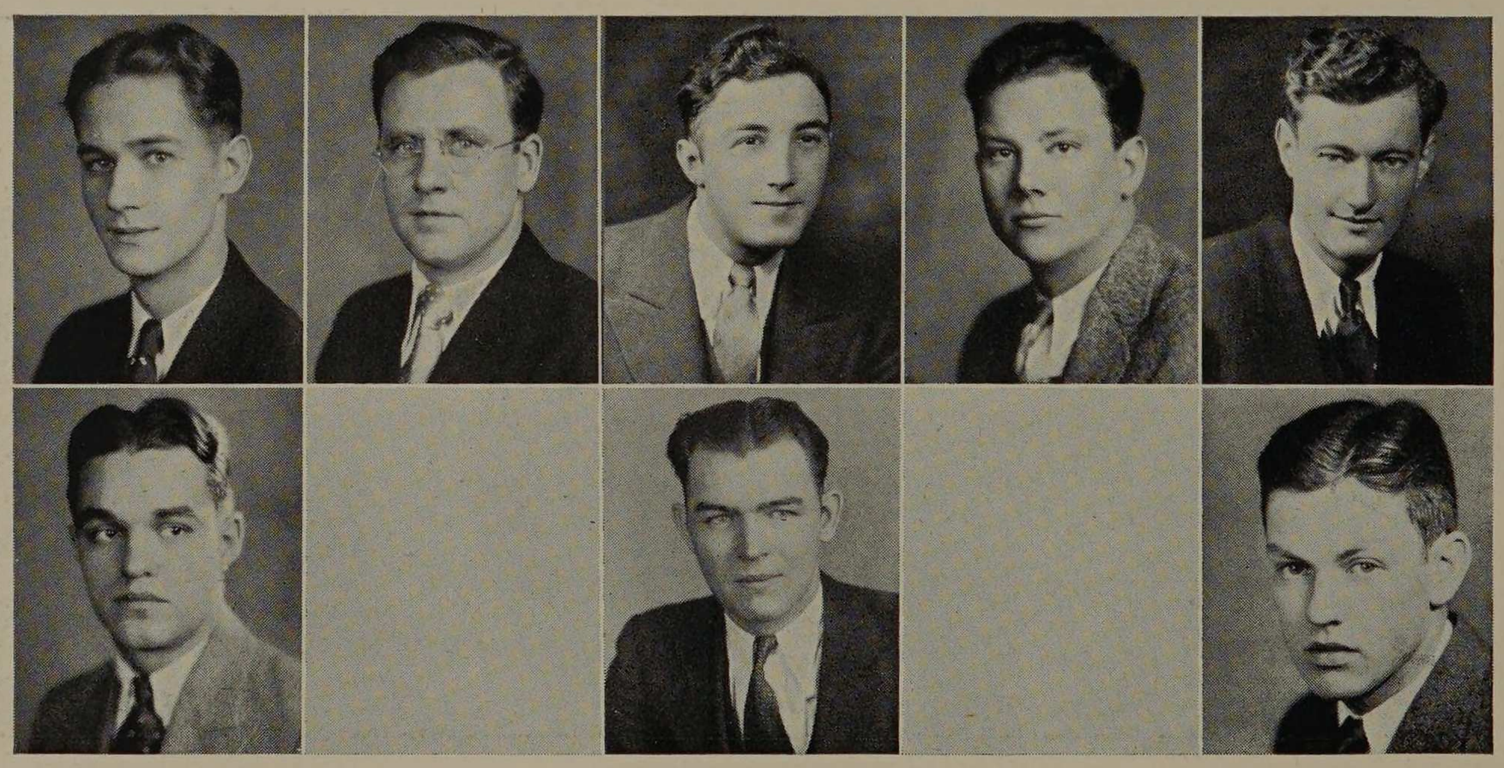
Ernest H. Freemen
Carl Johnson
Otto Kuehn
Daniel Roesch

ACTIVE MEMBERS

Howard J. Cameron
James C. Castanes
Chris Chafin
John M. Curran
Richard L. Friede
Donald R. Gregerson
John MacLennan
Charles R. Mitchell
Vladimer Novak
John A. Rohrer
Robert P. Samuels
Robert Simpson

PLEDGES

Edward Gisske
George A. Hanes
Al Lauchiskis
Nick Mauer
Raymond Pflum
Donald Storey
Frank Talaber
Roland Warner
Edwin Wendt
John W. Zimmerman



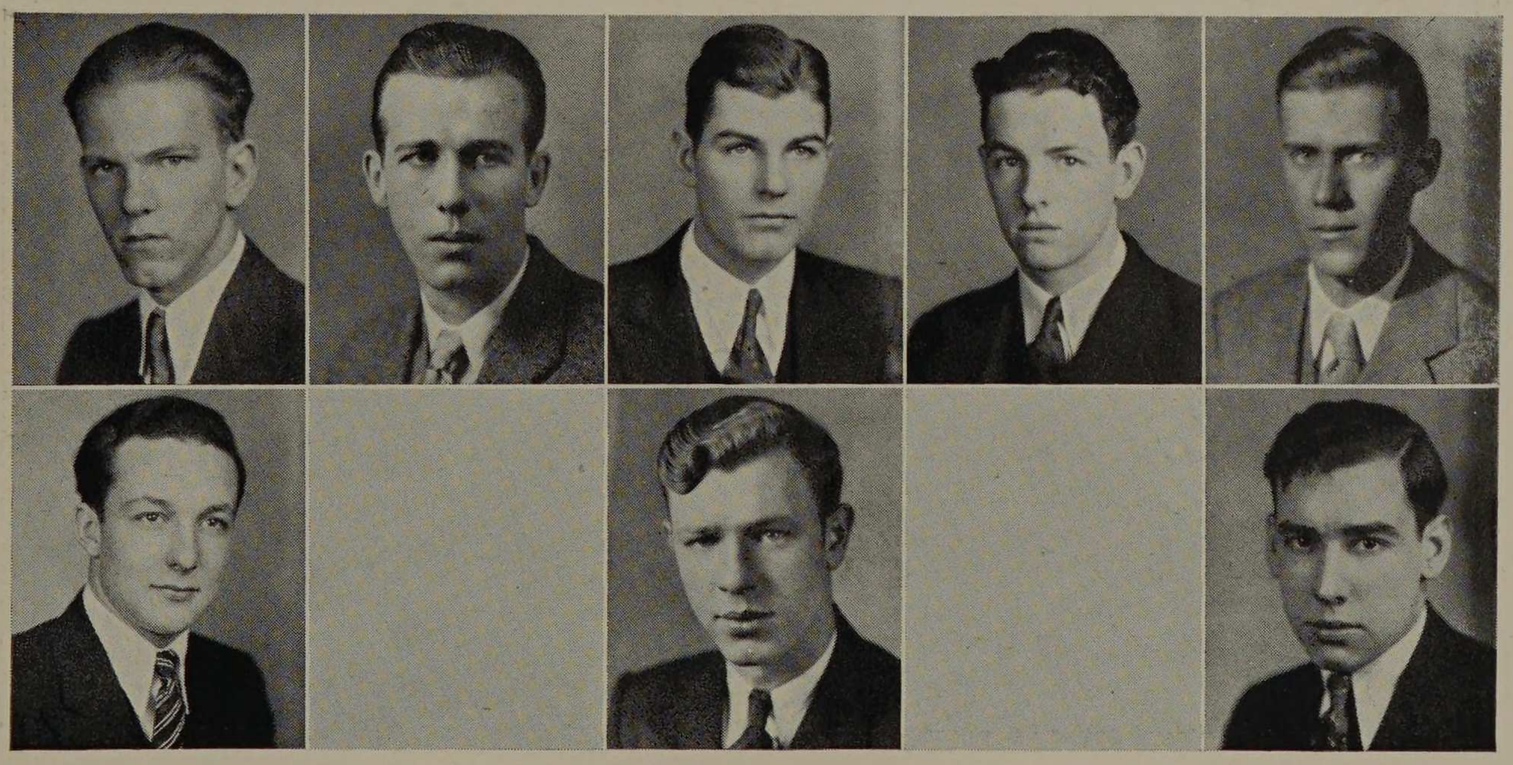
Cameron, MacLennan, Mitchell, Rohrer, Gisske
Castanes, Curran, Gregerson

Colors Turquoise
Blue and Black

Flower
Bluebell

SOCIAL CALENDAR

Rushee Dance	October 8
Alumni Smoker	October 11
Pledge Dance	October 29
Alumni Dance	November 26
New Year's Party	December 31
Tri-Chapter Formal	January 21
Spring Informal	March 19
Alumni Smoker	March 30
House Dance	April 22
Farewell Party	June 10
National Convention	September 7, 8, 9



Simpson, Pflum, Storey, Samuels, Hanes
Zimmerman, Maurer, Wendt

RHO DELTA RHO

Founded at Armour in 1919

ALPHA CHAPTER
3116 S. Michigan Boulevard

HONORARY MEMBER

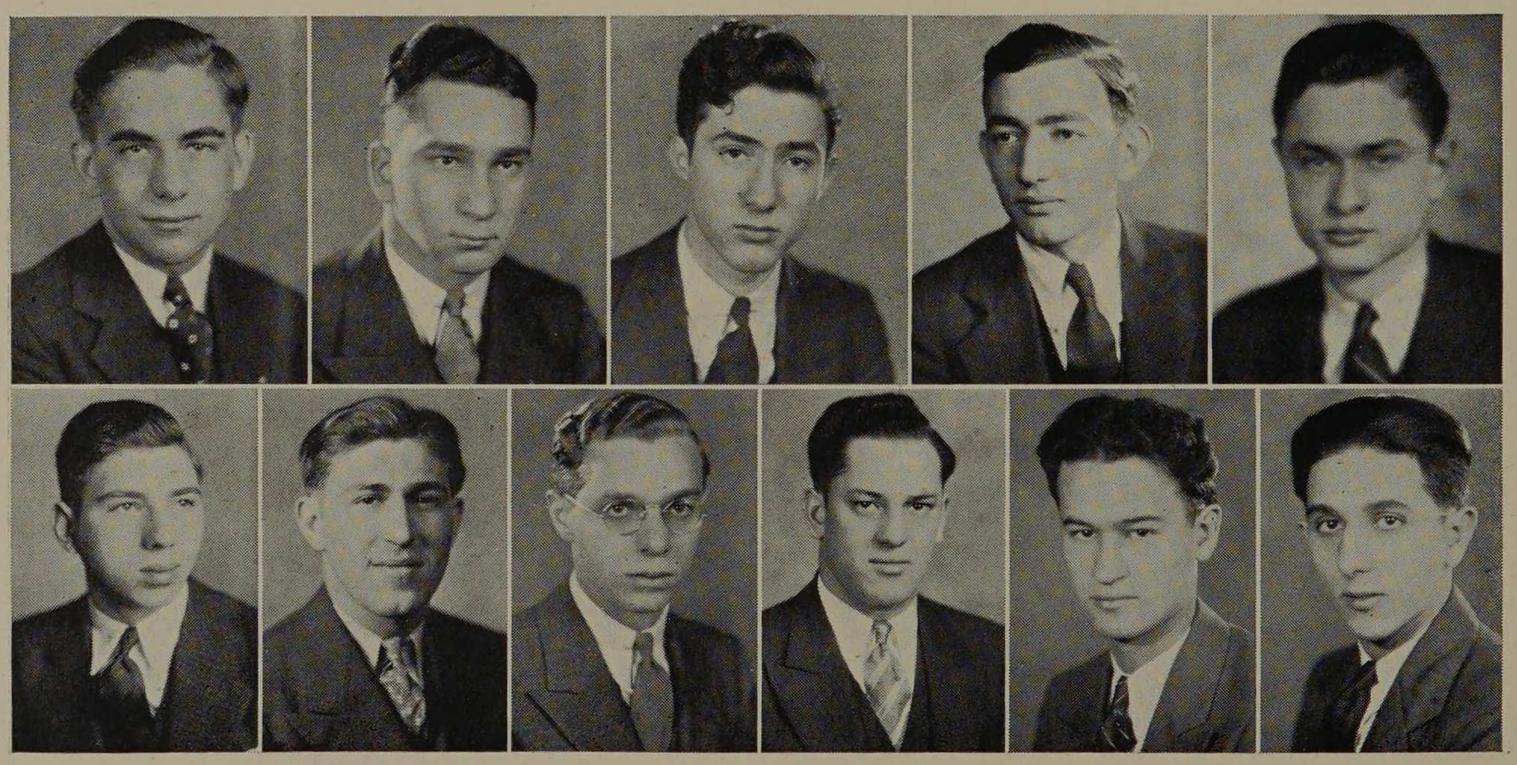
Professor Henry L. Nachman

ACTIVE MEMBERS

Archie Anders
Theodore Cohan
Louis D'Alba
Albert Feinberg
Harold Feldman
Henry Fishman
Charles Goldberg
Charles Handler
Milton Heller
Ira Krawitz
Herman Meyer
Alfred Rosen
Jack Weiland

PLEDGES

Norman Cooper
Leonard Dworsky
Ray Feinberg
Frank Kaplan
Leonard Kaplan
Milton Kohn
Henry Levin
Samuel Potash
Louis Siegel
Robert Simons
Harry Stern



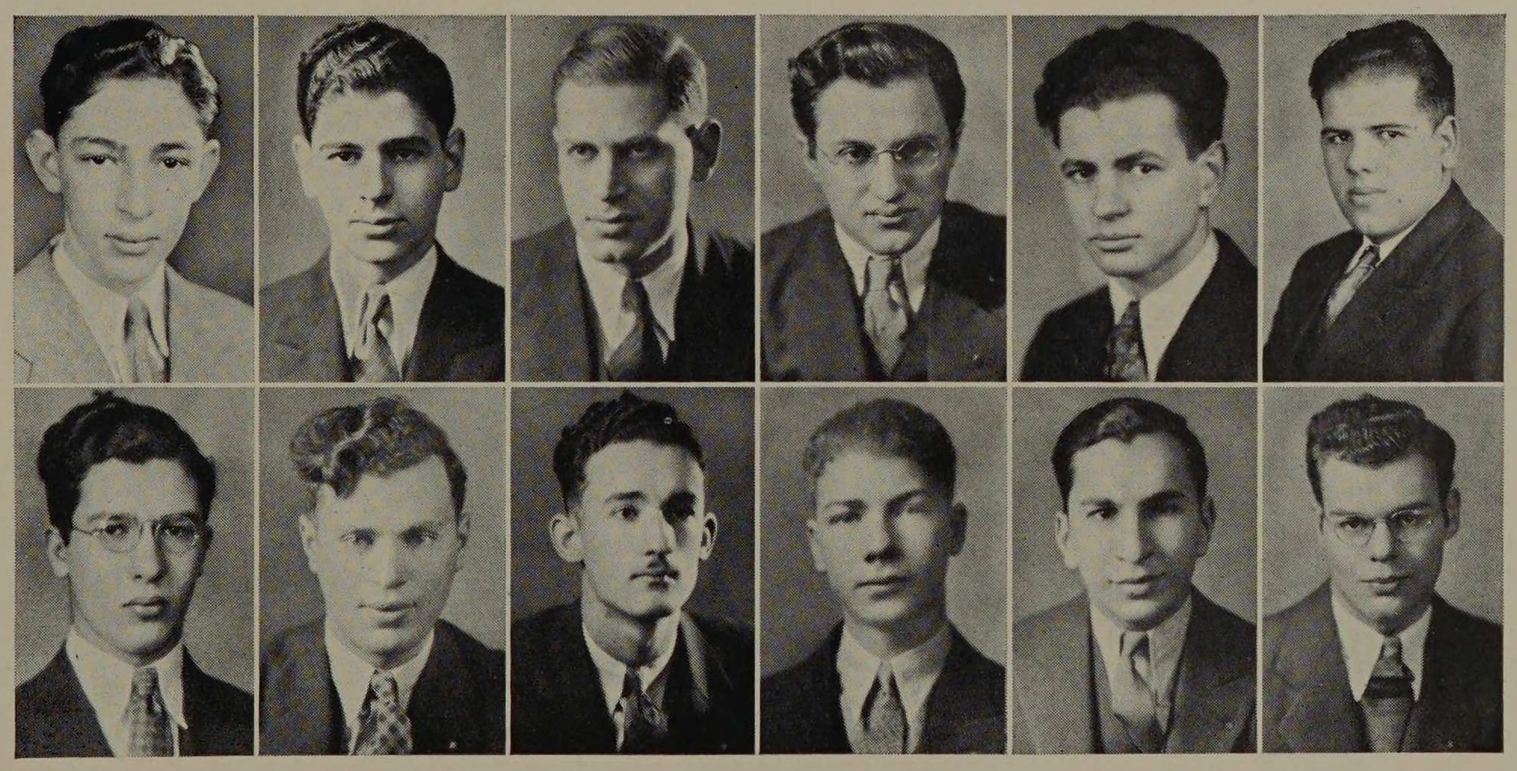
Feinberg, Handler, Fishman, Feldman, Heller
Krawitz, Meyer, Rosen, Cohan, Anders, D'Alba

Colors
Orange and Black

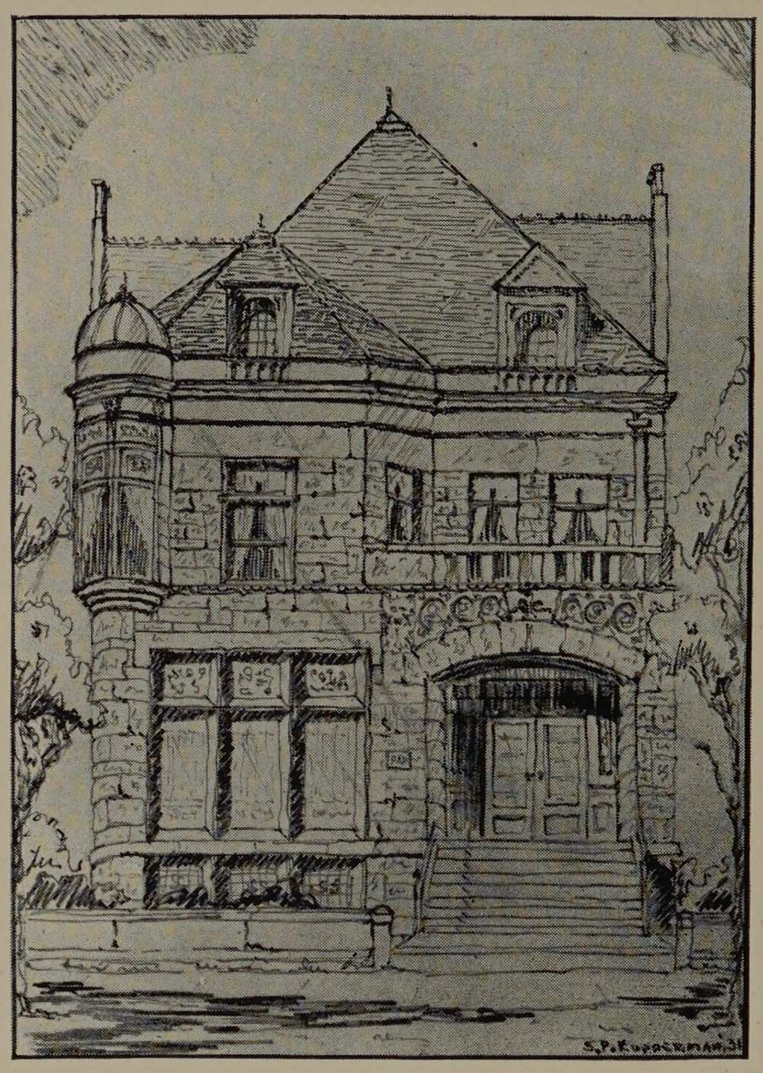
Flower
Acacia

SOCIAL CALENDAR

Rush Smoker	October 7
Pledge Dance	October 29
Alumni Bridge	November 18
Radio Dance	November 25
New Year's Party	January 1
Alumni Smoker	February 24
Initiation Smoker	April 7
Dinner Dance	May 13



Grossman, Cooper, F. Kaplan, Kohn, Goldberg, Weiland
L. Kaplan, Levin, Potash, Siegel, Simons, Stern

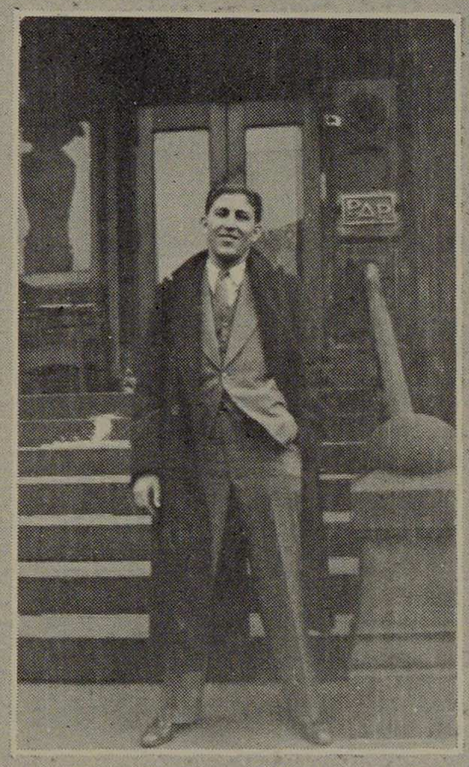


LOCAL FRATERNITY

In the latter months of 1918, several students at Armour Institute of Technology, led by the true spirit of college fraternalism, laid plans for the organization of a fraternity. After a short while the group took definite steps toward becoming a recognized fraternity on the Armour campus. On August 27, 1919, the Rho Delta Rho Fraternity was chartered. Soon afterward a formal petition was drawn up and presented to the Institute. The petition was accepted, and n February, 1920, Rho Delta Rho was established on the Armour Campus as a local fraternity.

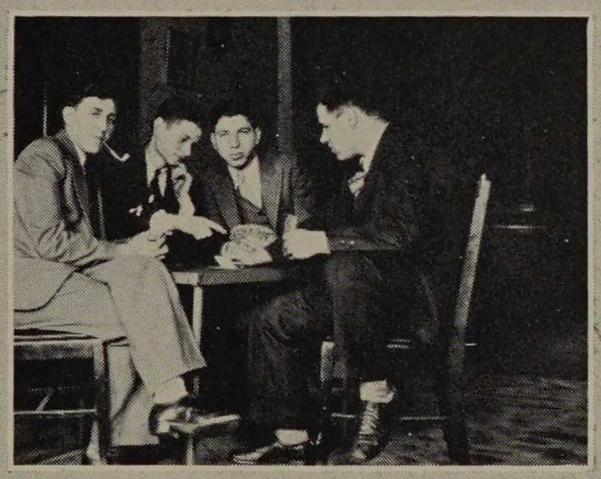
The initial membership of this group was only ten in number, but because of the ideals set by these ten charter members and the sincerity of the men following in their footsteps the fraternity has thrived and increased in both size and importance on the campus. An important and integral part of the fraternity is the large and extremely active alumni chapter.

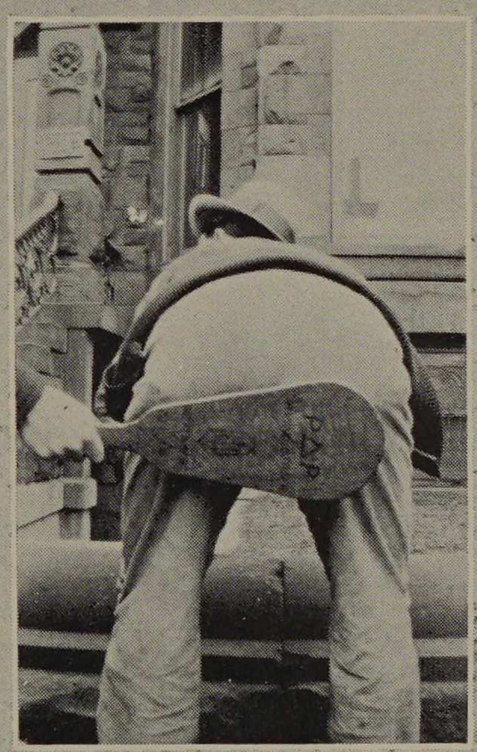


















SIGMA ALPHA MU

Founded at College of The City of New York 1909

SIGMA EPSILON CHAPTER

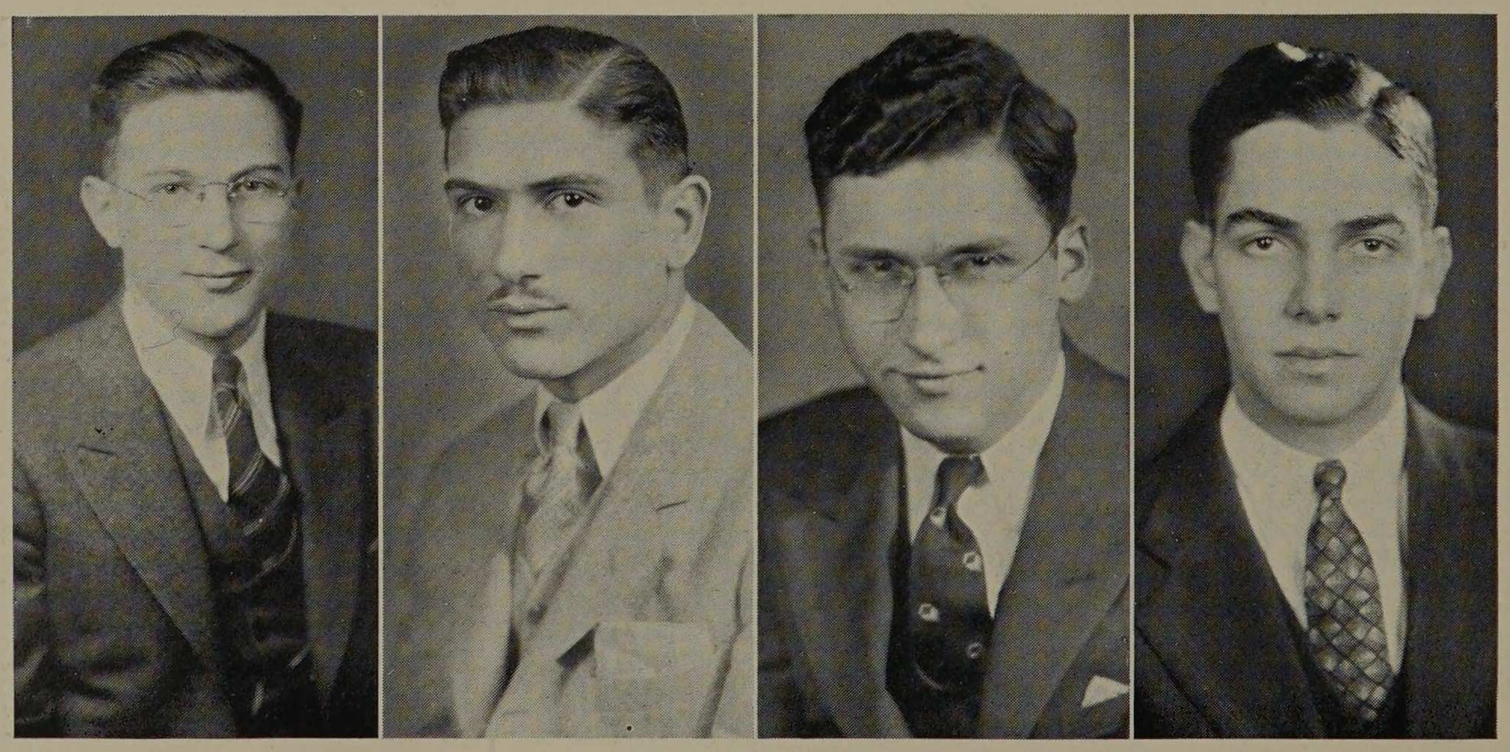
Established 1922

ACTIVE MEMBERS

Irving M. Addis
Lewis Arenson
Orville T. Barnett
Stanley Bernstein
Herbert Kreisman
Sidney H. Morris
Milton J. Winogrond

PLEDGES

Julius Frank
Zorro Rubin



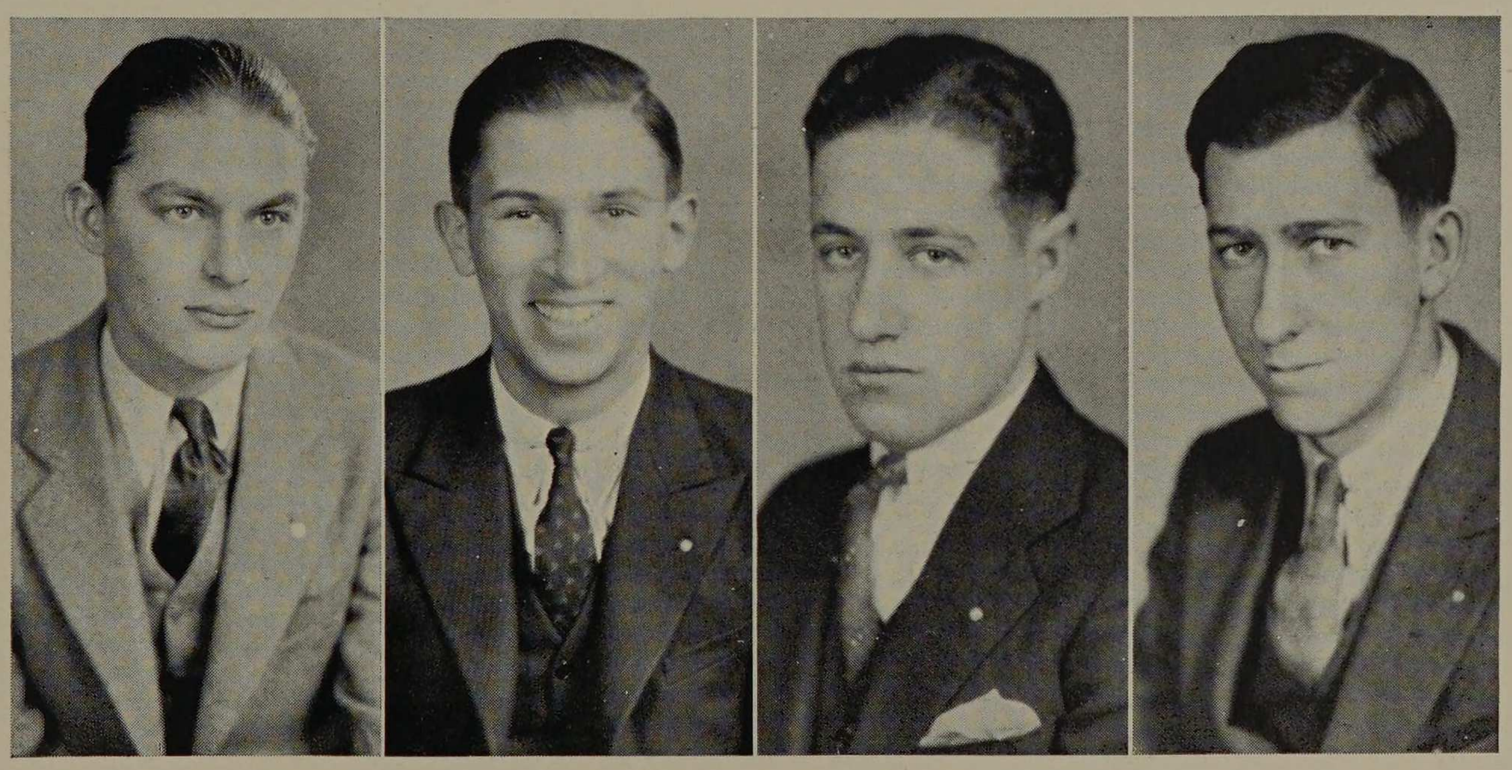
Barnett, Morris, Winogrond, Kreisman

Colors
Purple and White

Flower
Purple Aster

SOCIAL CALENDAR

Smoker	October 5
Annual Pledge Party	October 30
National Convention	December 25, 27
House Party	December 31
Founder's Day Dinner Dance	February 5
House Party	February 25
Smoker	March 1
Chicago Alumni Banquet	April 3
House Party and Installation of Officers	April 15
Farewell Banquet	June 3



Addis, Bernstein, Arenson, Frank

TRIANGLE

Founded at University of Illinois in 1907

ARMOUR CHAPTER
Established 1923
3222 South Michigan Boulevard

FACULTY MEMBERS

Phillip C. Huntly
William F. McCaughey
Sholto M. Spears
Charles A. Tibbals

HONORARY MEMBERS

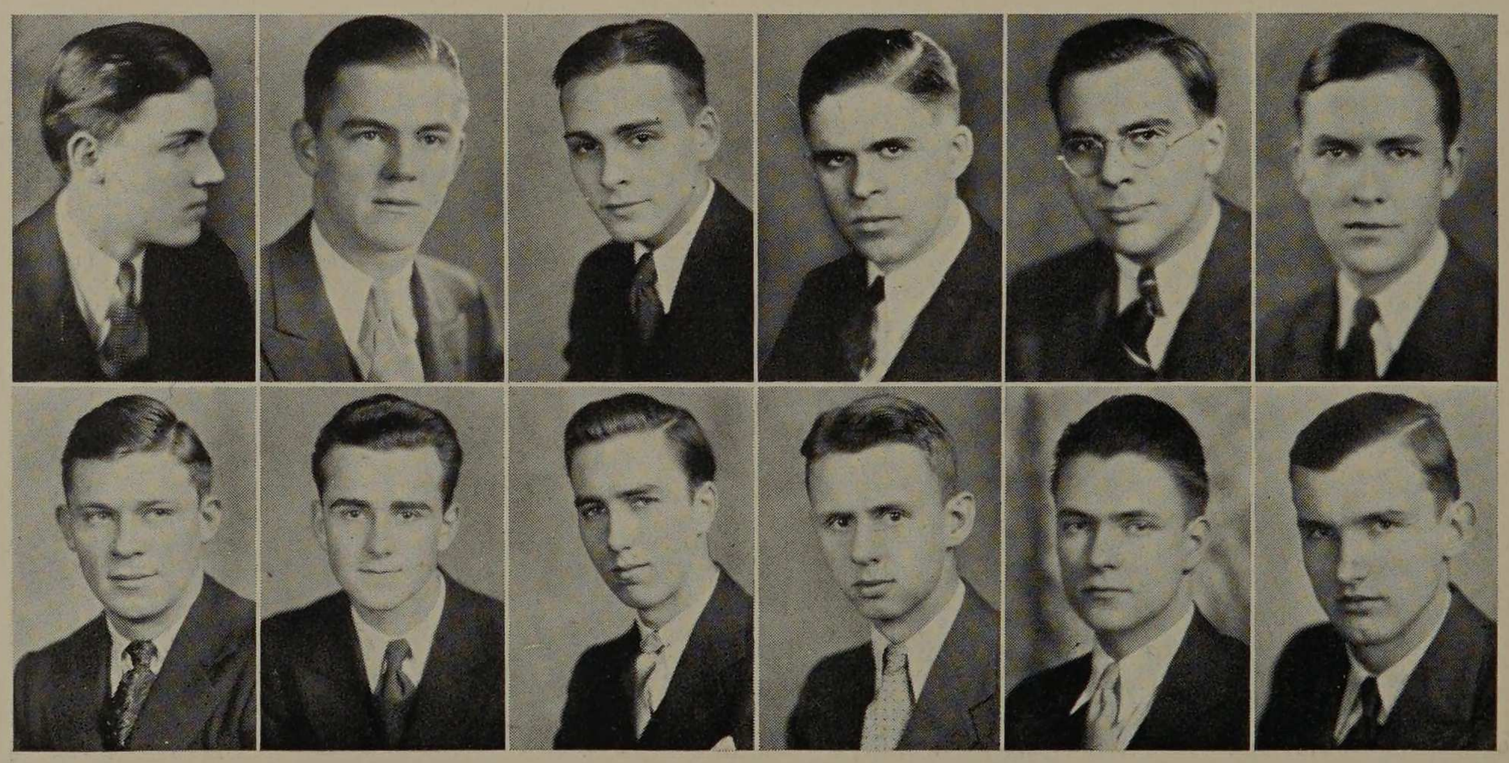
Harold R. Phalen
Walter A. Reinert

ACTIVE MEMBERS

Vernon Alexander
John J. Bachner
Gunner E. Berglund
Harold W. Bodinson
Carl Clanton
Arthur J. Cohrs
Raymond J. Dufour
Roy Ekroth
Edwin C. Kenner
Stephen M. Lillis
Robert Lyford
William A. Malloy
George B. McBrady
Edward McDonough
Walter A. McWilliams
Arthur Oberbeck
Edwin A. Runge
Frank Schmidt
John E. Schrenier
John Scott
Eric H. Smith

PLEDGES

William Brown
Edson Denny
Harry Dollenmaier
Charles Dugan
Joseph Laschober
Joseph McGrath
George Quandee



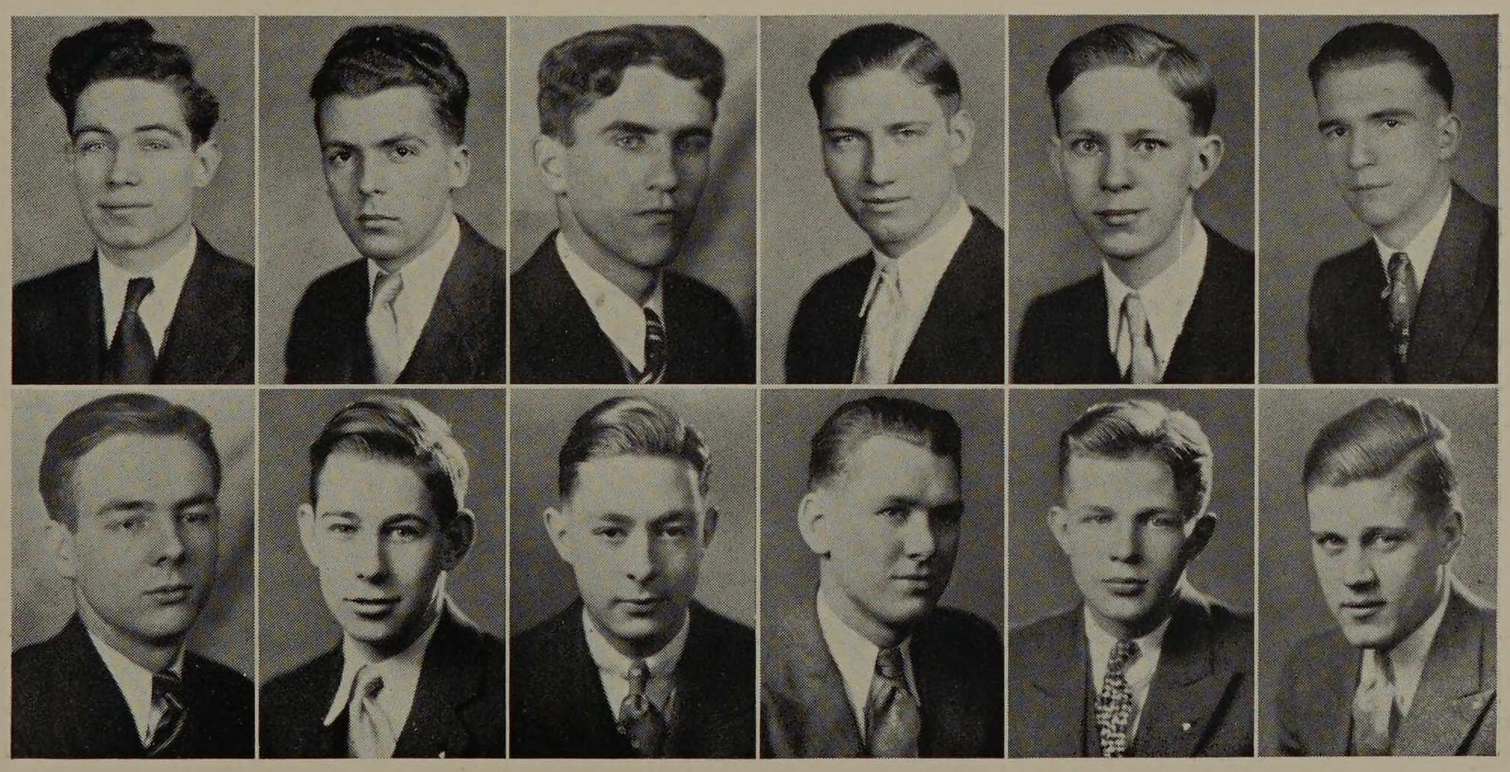
Alexander, Berglund, Bodinson, Clanton, Dufour, Kenner
McWilliams, Oberbeck, Bachner, Cohrs, Ekroth, Lillis

Colors
Old Rose and Grey

Flower
None

SOCIAL CALENDAR

Rush Dance	October 1
Alumni Banquet	November 12
Initiation Banquet	November 20
Snow Ball Dance	December 17
Mid-Semester Dinner Dance	February 1
Initiation Banquet	March 19
Alumni Smoker	March 25
Fathers' and Mothers' Day	April 2
Initiates' Dance	April 8
Founders' Day Banquet	April 15
National Convention	April 27-28
Chapter Anniversary Banquet	May 26
Senior Farewell Dance	June 3



Malloy, McBrady, McDonough, Runge, Schreiner, Smith
Lyford, Brown, Denny, McGrath, Quandee, Scott

BETA PSI

Founded Jointly at Armour and University of Illinois in 1924

BETA CHAPTER

Established 1924

3337 South Michigan Boulevard

FACULTY MEMBERS

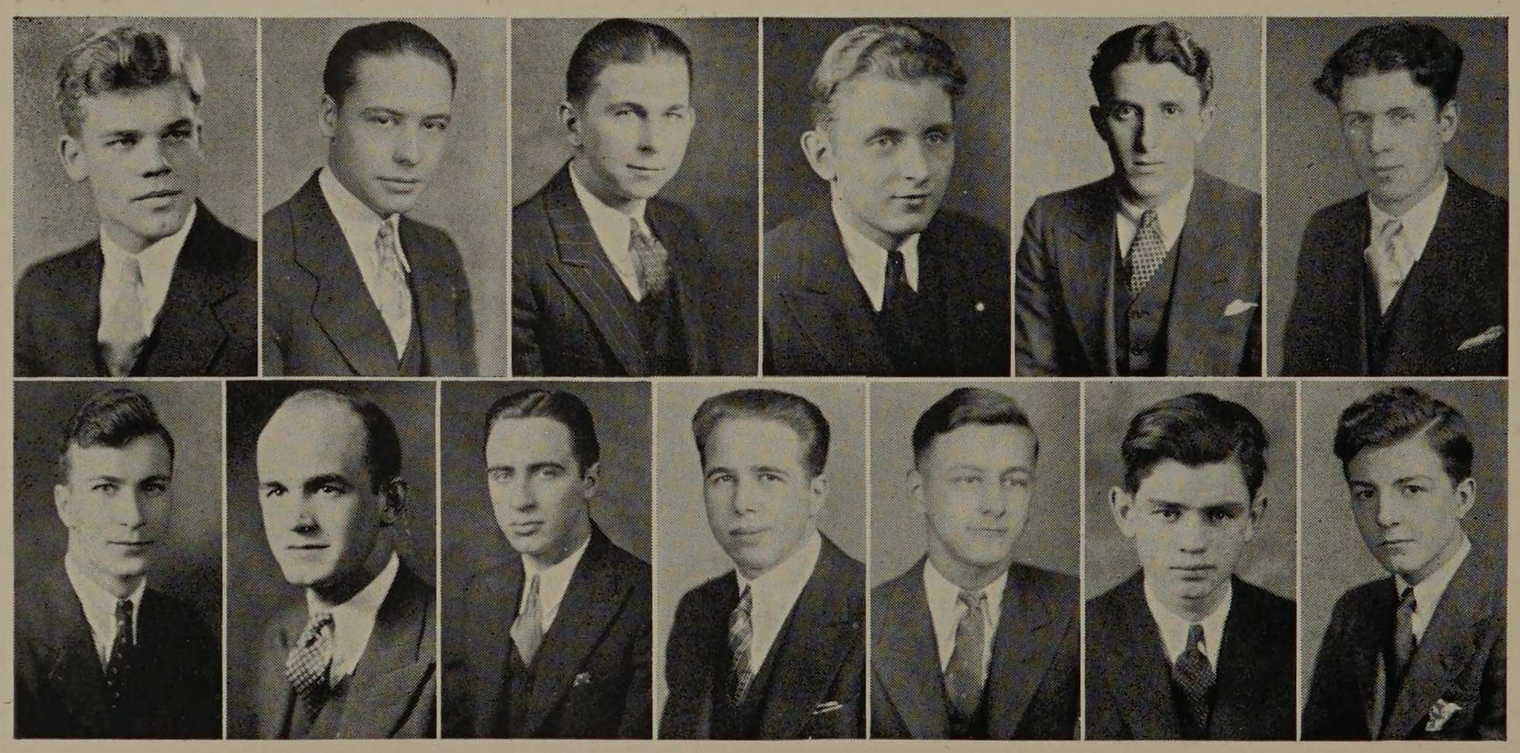
Eldon C. Grafton — John F. Mangold — Walter J. Bentley

ACTIVE MEMBERS

LeRoy S. Anderson
Walter C. Breh
Curtis R. Bristol
Karl Brusa
Emmett L. Cordes
Armand J. Hahn
John F. Humiston
Joseph L. Kubicka
William W. Lange
James A. McBride
Ralph L. S. Scafuri
Edwin N. Searl
Newton W. Snashall
Dean B. Snapp
Otto W. Staib
Arthur L. Steinhaus
Roy H. Wittekindt
Howard J. Zibble

PLEDGES

John A. Breh
William W. Burson
Kenneth E. Dunn
John A. Hazelton
Willis F. Kraemer
Julius R. Kuh
Charles Schnackel
Myron B. Stevens
David Timberlake
Donald E. Young



Anderson, W. C. Breh, Cordes, Lange, Scafuri, Kubicka
Steinhaus, Staib, Snapp, Brusa, McBride, Searl, Hahn

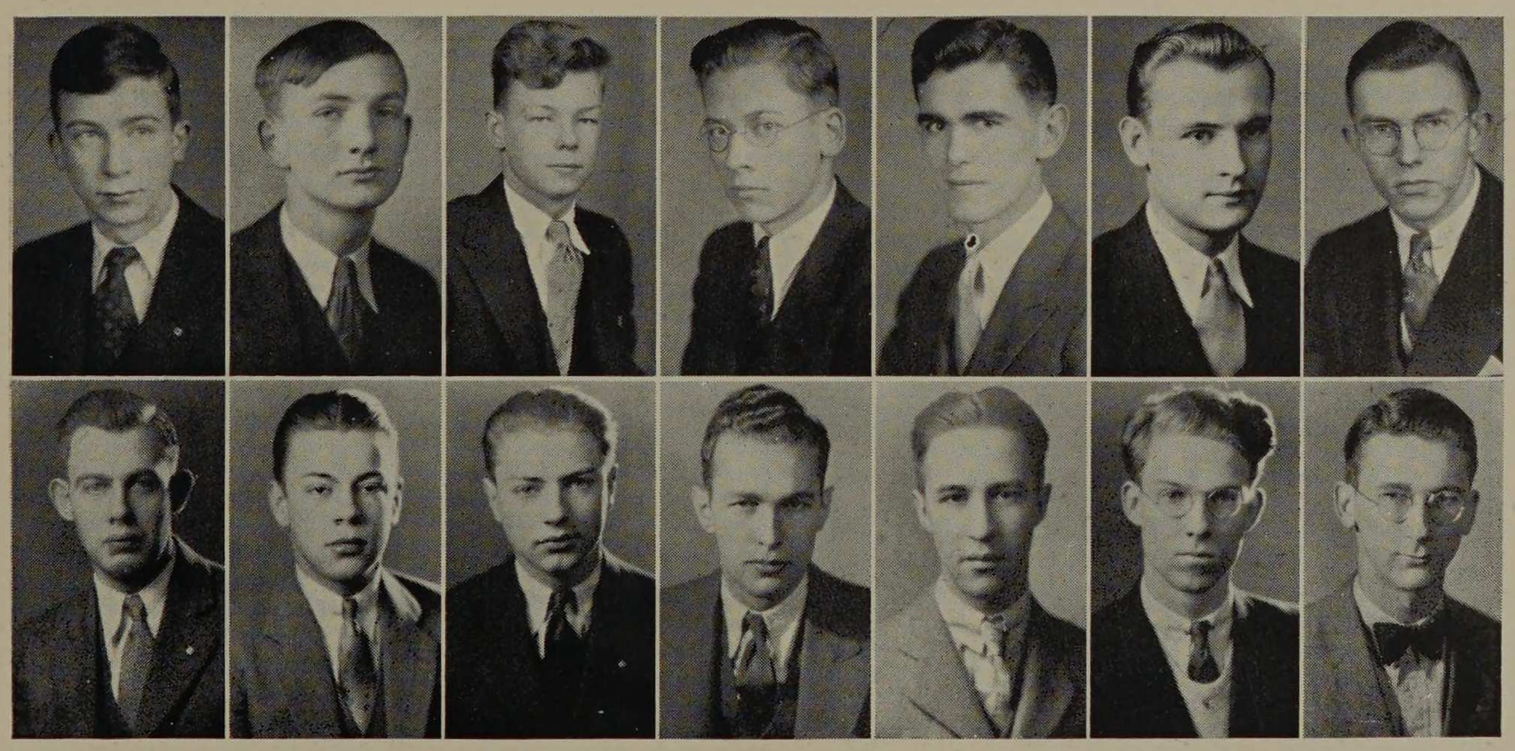
Colors
Black and Gold



Flower
None

SOCIAL CALENDAR

Rush Smoker	Sept. 29
Theatre Party	Sept. 30
Rush Dance	Oct. 1
Pledge Dance	Oct. 29
Thanksgiving Dance	Nov. 19
Christmas Dance	Dec. 17
Valentine Party	Feb. 18
Initiation Banquet	March 5
Annual Alumni Smoker	April 9
Radio Party	April 15
Parents' Tea	May 7
Senior Farewell	May 20



Humiston, Searl, Snashall, Wittekindt, Zibble, J. A. Breh, Dunn
Hazelton, Kraemer, Kuh, Schnackel, Stevens, Timberlake, Young

KAPPA DELTA EPSILON

Organized as Umen in 1922

Reorganized as Kappa Delta Tau in 1924
Charter as Kappa Delta Epsilon in 1931

ALPHA CHAPTER

FACULTY MEMBER

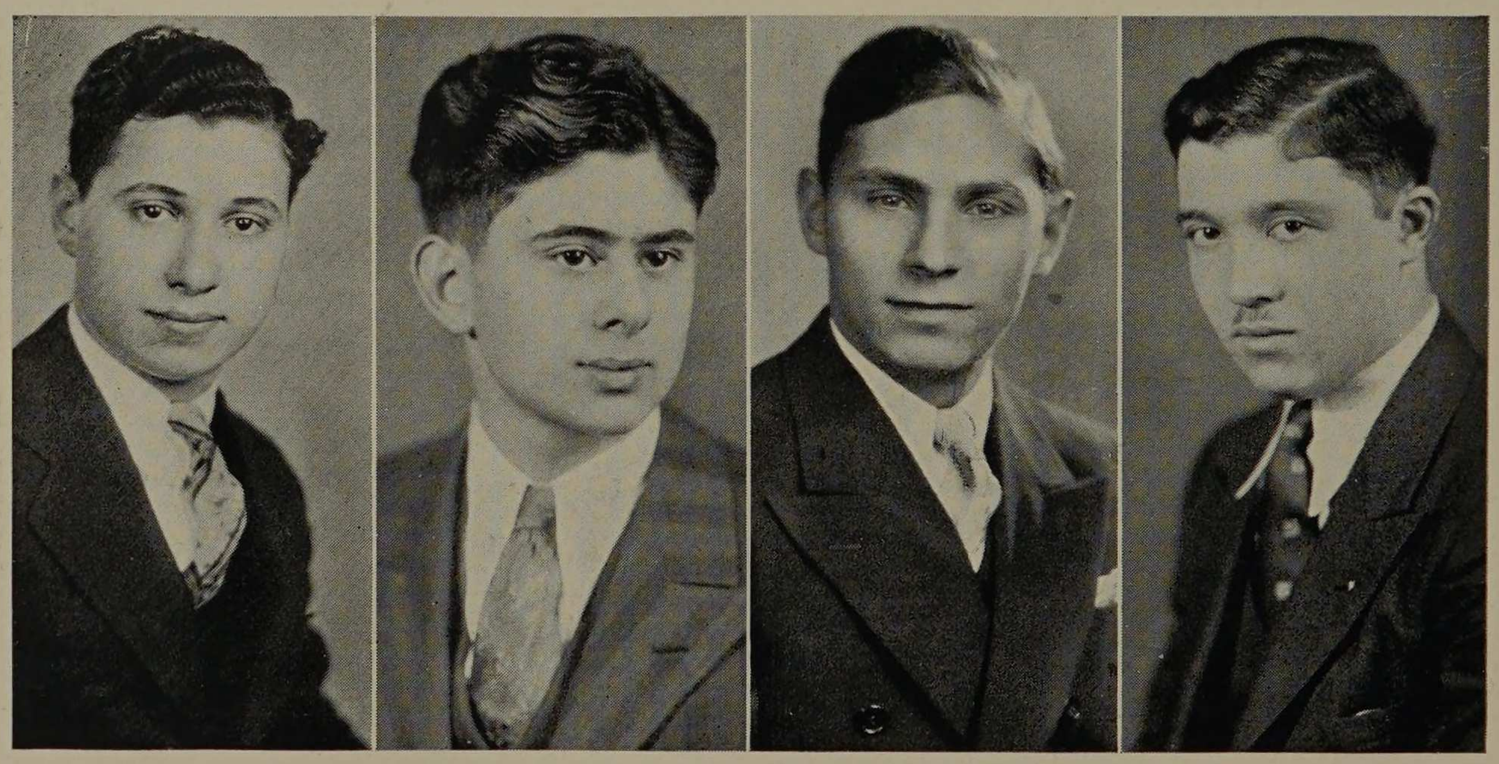
Joel M. Jacobson

ACTIVE MEMBERS

Jacob M. Bard
Milton Hoffman
William A. Holland
Norman Krause
Leonard Marcus
Phil Rosenfeld
George Rosenthal
Morris Wise

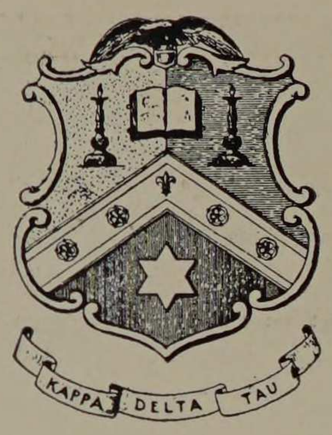
PLEDGE

Oscar Boxer



Rosenthal, Hoffman, Holland, Bard

Colors
Blue and White



Flower
None

SOCIAL CALENDAR

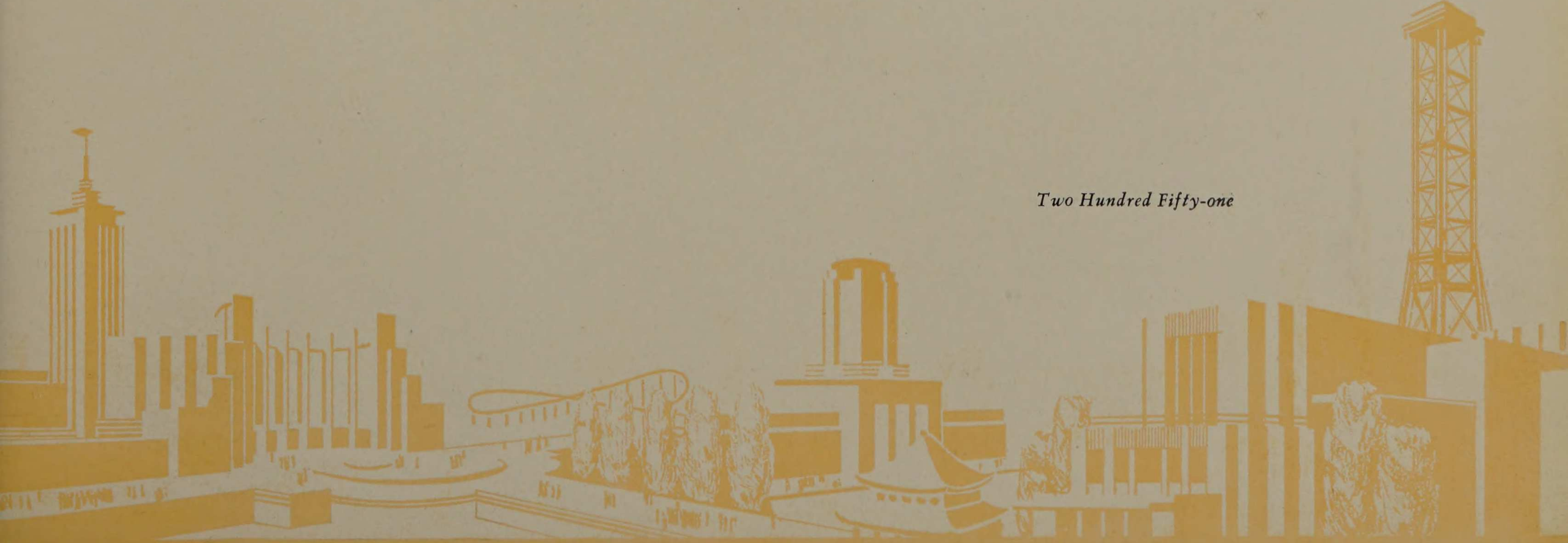
Rushing Smoker	October 1
Pledging Smoker	November 12
New Year's Party	December 31
Theatre Party	February 3
Initiation at Dunes	March 16-18
Initiation Smoker	April 7
Dance	May 5
Farewell Dinner	June 2

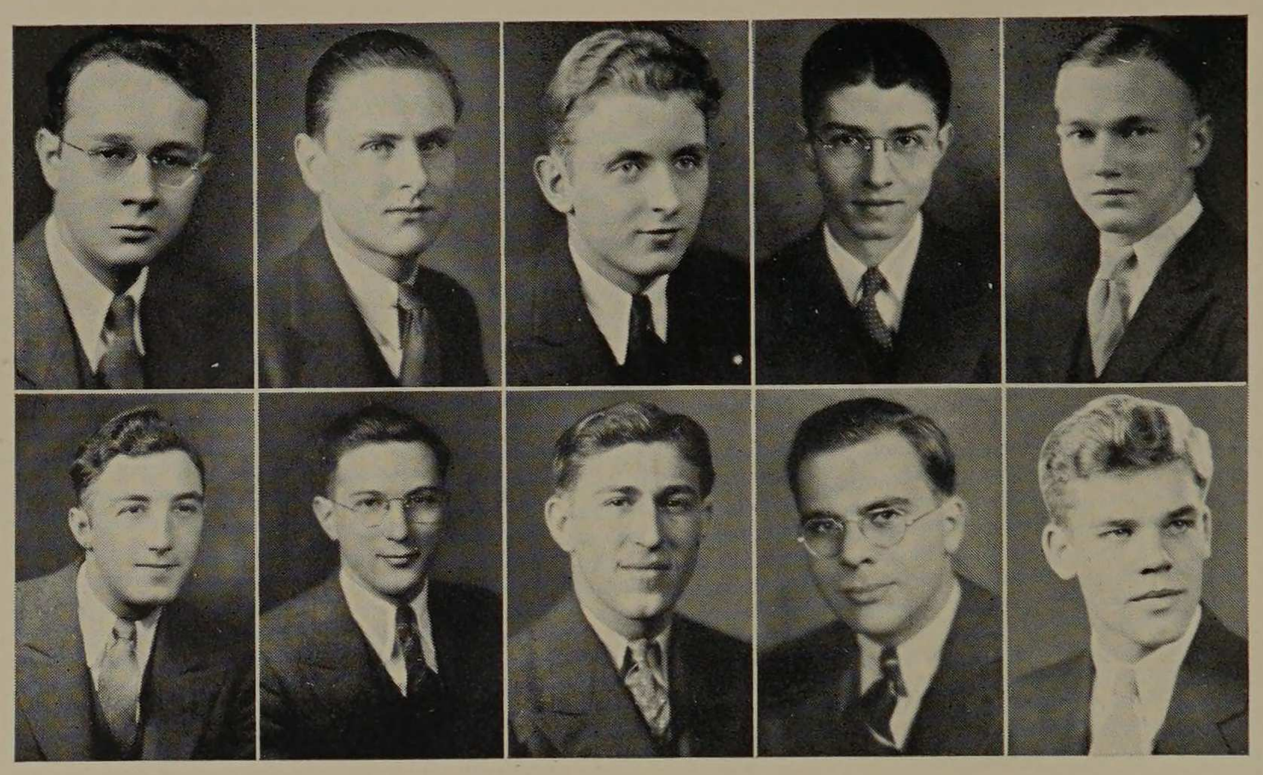
LOCAL FRATERNITY

Kappa Delta Epsilon had its inception on March 19, 1922. This organization was given the name "Umen,"—taken from the ancient Hebrew. Its true meaning is "Builder," and thus portrays the ideals of the group gathered under its banner. The Umen was officially recognized by the Institute in April, 1922. Later it was reorganized as a fraternity and chartered in 1924.

In 1926, in compliance with a suggestion from the Institute, the name was changed from Umen to the Greek Letter term, Kappa Delta Tau. Under the new name, symbolical of the fraternity's ideals, they have rapidly advanced and they now hold a meritorious position among the social organizations on the campus.

In 1931 the fraternity was incorporated under the laws of the state of Illinois and in order to avoid duplication of the name it was changed to Kappa Delta Epsilon.





Miller, Peavey, Lange, Bauman, Larson
Mitchell, Barnett, Meyer, Dufour, Anderson

INTERFRATERNITY COUNCIL

William W. Lange, Beta Psi . . . . . President

Phi Kappa Sigma	John H. Miller
Delta Tau Delta	Thomas C. Peavey
Theta Xi	Wilbur E. Bauman
Sigma Kappa Delta	Bradford Larson
Phi Pi Phi	Charles R. Mitchell
Sigma Alpha Mu	Orville T. Barnett
Rho Delta Rho	Herman Meyer
Triangle	Raymond J. DuFour
Beta Psi	LeRoy S. Anderson
Kappa Delta Epsilon	Philip Rosenfeld

The Interfraternity Council was organized in 1927 for the purpose of controlling the relationships between the ten social fraternities at Armour Institute. The Interfraternity Council is the successor to the old Interfraternity Rushing Committee.

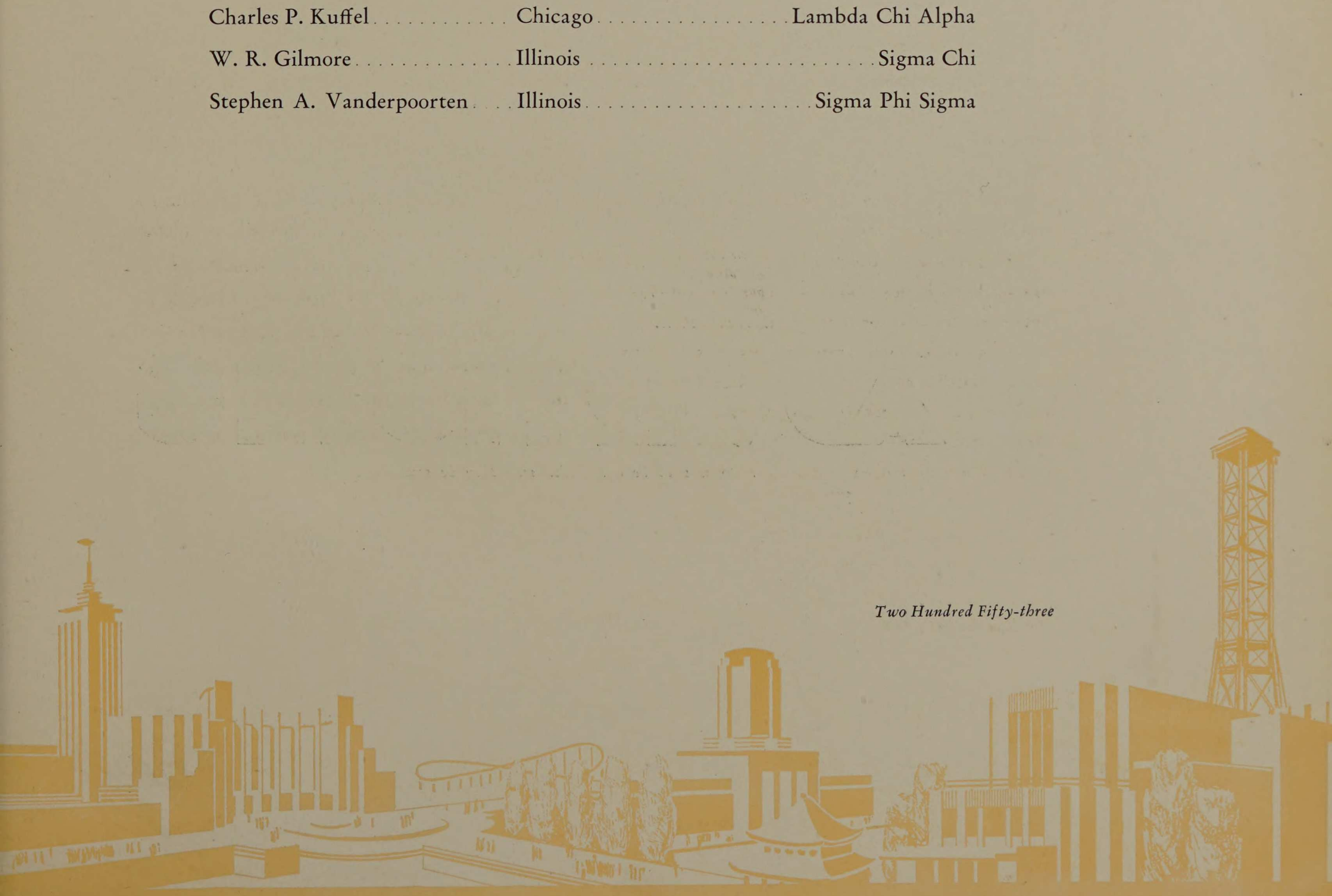
The purpose of the Interfraternity Council has been to bring about a closer relationship between the fraternities and also between these organizations and the Institute. This group handles all matters of common interest such as interfraternity sports, sing, scholarship, rushing, pledging and initiation rules.

The council proper is made up of the presidents of each social fraternity on the campus, thereby giving each fraternity an opportunity to voice its opinion on matters of common interest.

In an effort to better establish the rushing regulations this year it was decided to publish a Handbook, the purpose of which was to acquaint the freshmen with the histories of the various fraternities on the campus, as well as to inform them of the rushing rules. This proved of great value, both to the men desirous of joining a fraternity, and to the fraternities themselves.

STRAY GREEKS

William G. Booth	Wisconsin	Sigma Chi
Robert G. Cheatam	North Carolina	Chi Psi
Harold E. Cox	Beloit College	Beta Theta Pi
Theodore G. Delang	Illinois	Chi Phi
August J. Kreuzkamp	Massachusetts Institute of Technology	Phi Kappa
George D. Kreuzkamp	Massachusetts Institue of Technology	Phi Kappa
Charles P. Kuffel	Chicago	Lambda Chi Alpha
W. R. Gilmore	Illinois	Sigma Chi
Stephen A. Vanderpoorten	Illinois	Sigma Phi Sigma



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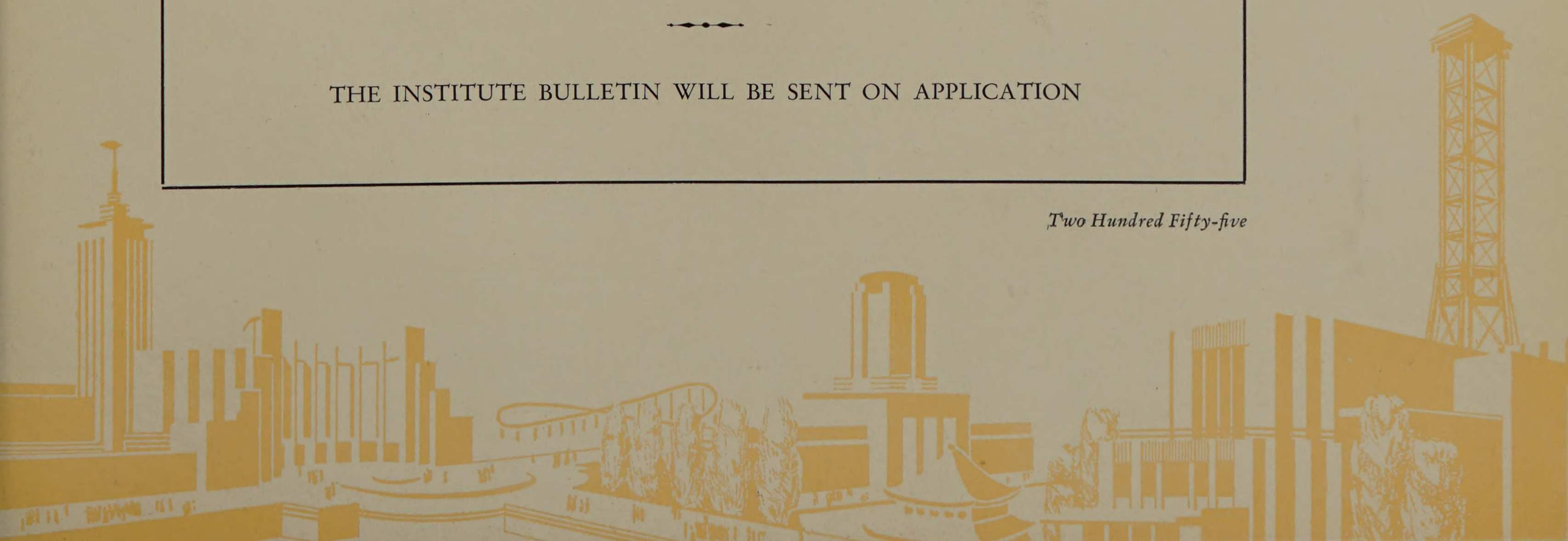

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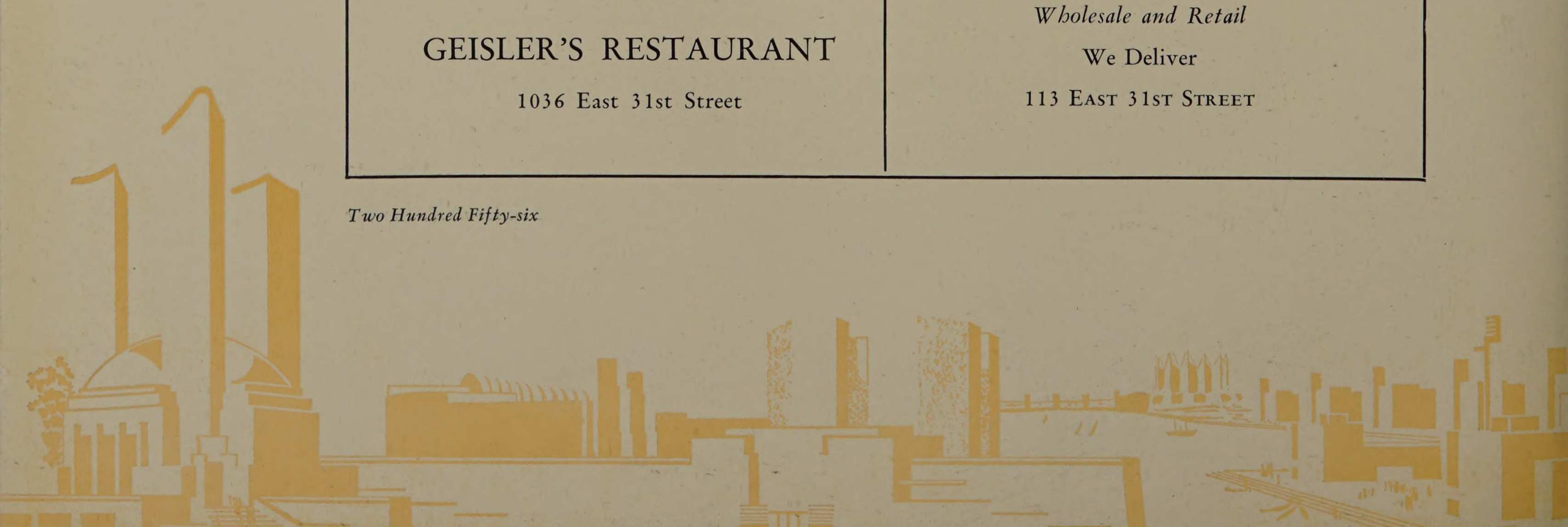

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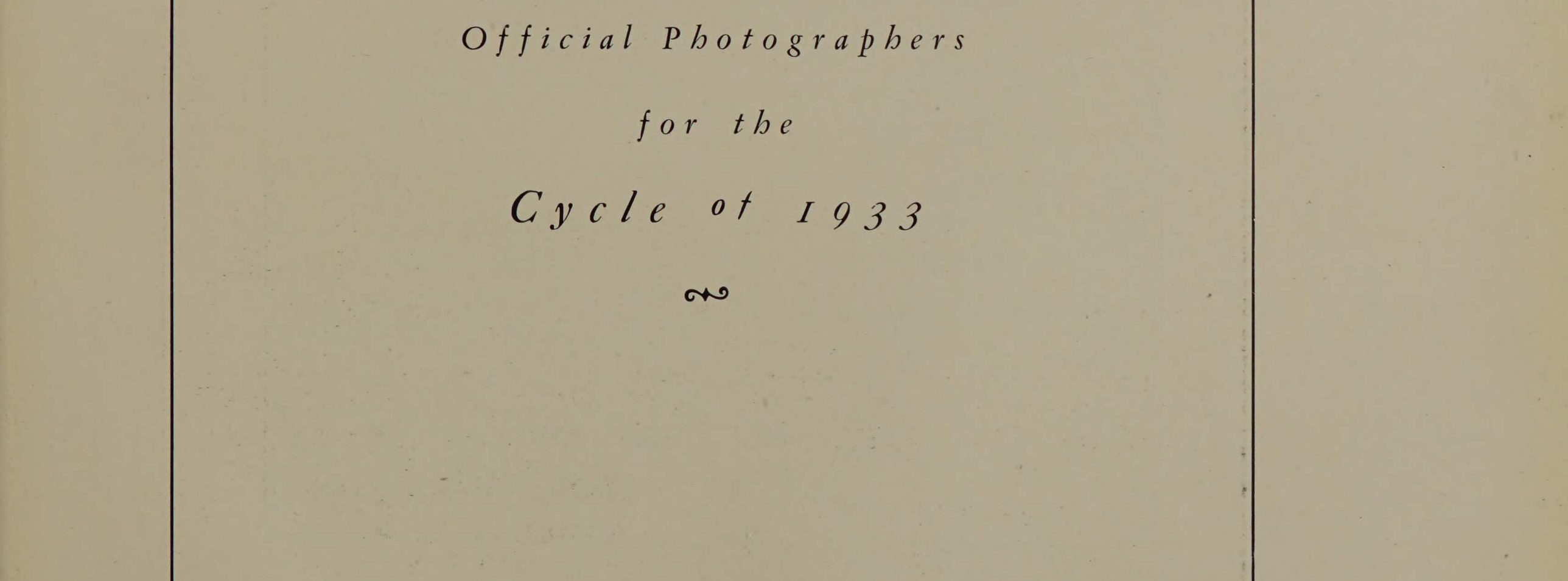


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SENIOR INDEX

Alexander, V. C. 51, 52, 180, 246
Altschuler, M. 52
Andersen, W. C. 51, 52, 169, 197
Anderson, L. S. 52, 184, 248, 252
Babcock, G. S. 64
Bannasch, H. J. 50, 51, 52, 86, 184, 215
Barnett, O. T. 51, 52, 94, 121, 170, 171, 173, 201, 205, 244, 252
Baumann, W. E. 52, 232, 252
Beard, E. G. 51, 52, 64, 180, 200, 213
Becker, H. F. 52, 171, 184, 205
Beemsterboer, G. J., 50, 52, 105, 110, 120, 121, 140, 141, 142, 143, 144, 145, 180, 213
Belton, G. R. 51, 52, 176, 232
Berglund, G. E. 52, 184, 246
Bestler, P. 53, 221
Bockholt, W. C. 53
Bodinson, H. W. 53, 110, 171, 184, 246
Bollinger, E. C. 51, 53, 110
Booth, W. G. 50, 53, 86, 182, 221, 253
Bottorf, P. A. 53, 180
Bronwell, A. B. 53, 178
Buehne, W. G. 50, 53, 64, 105, 120, 121, 124, 125, 126, 127, 128, 203, 217
Burnet, A. D. 51, 53, 180
Cameron, H. J. 53, 138
Campione, J. L. 53, 121, 176
Carlstone, P. A. 53, 176, 203, 217
Carlstrom, R. W. 50, 54, 64, 86, 94, 104, 105, 118, 119, 120, 121, 148, 149, 150, 167, 184, 200, 201, 232
Christensen, C. C. 54
Cislak, J. F. 54, 176
Clanton, C. N. 54, 111, 184, 185, 188, 191, 200, 201, 203, 215, 219, 246
Cole, A. 64
Collick, M. A. 54, 171, 178, 190, 205, 219, 232
Cone, S. B. 54, 111, 120, 121, 154, 205, 209, 228
Cordes, E. L. 54, 121, 132, 135, 248
Curran, E. L. 54, 169, 184, 205
Davies, W. W. 50, 51, 54, 64, 86, 104, 191, 197, 200, 201, 203, 209
Demikis, A. 54, 178
Di Orio, P. 54, 178
Dombrowski, R. J. 54, 178
Donnellan, J. F. 55, 180
Dubsky, F. A. 55
Dufour, R. J. 51, 55, 94, 110, 176, 200, 203, 217, 246, 252

SENIOR INDEX *(Continued)*

Dumser, W. T. . . . 55, 171, 178, 207
Dunham, E. A. . . . 55, 178, 207
Eberth, E. E. . . . 55, 171, 178, 205, 207, 224
Emling, C. A. . . . 55
Erisman, M. J. . . . 51, 55, 94, 111, 132, 171, 176, 205, 217
Feinberg, A. . . . 55, 240
Fernbach, J. D. . . . 50, 55, 178
Fishman, H. . . . 55, 171, 211, 240
Fuhrer, M. . . . 55, 108, 176
Gabriel, L. . . . 51, 64, 180, 213
Galvani, V. J. . . . 50, 56, 120, 121, 124, 125, 129, 167, 182, 211
Gess, M. N. . . . 56, 178
Giovan, N. C. . . . 64, 120, 121, 148, 150, 180, 236
Gisske, E. . . . 56, 238
Goo, K. M. . . . 56, 176
Gura, J. J. . . . 50, 56, 169, 184
Hackley, K. L. . . . 56, 195, 211
Hallen, G. K. . . . 56
Hanrahan, G. . . . 56, 180
Helmick, A. H. . . . 56, 120, 135, 167, 182, 221
Hess, R. A. . . . 56
Hoffman, W. C. . . . 56, 176, 196, 217
Hollmann, W. G. . . . 56, 182, 211, 221
Hulswit, W. H. . . . 57, 178
Jackson, J. R. . . . 57, 228
Jackson, W. D. . . . 57, 232
James, E. H. . . . 57
Janssen, W. A. . . . 51, 57
Jenson, G., Jr. . . . 57
Job, B. W. . . . 57, 178
Johannisson, S. . . . 57, 120, 121, 156, 157, 182, 221
Johnson, I. C. . . . 50, 57, 86, 94, 111, 121, 140, 145
Juvinall, J. W. . . . 57, 64, 104, 171, 173, 178, 200, 201, 203, 205, 207, 224
Kaiser, C. A. . . . 57
Kampwirth, J. L. . . . 57, 171, 180, 203
Kenner, E. C. . . . 51, 58, 86, 171, 184, 246
Kerrigan, V. M. . . . 63, 178
Knudson, R. L. . . . 58, 169
Krawitz, I. . . . 58, 180, 240
Kreuzkamp, A. J. . . . 50, 58, 120, 121, 133, 135, 136, 253
Kubicek, E. C. . . . 58, 171
Kubicka, J. L. . . . 58, 248
Lange, W. W. . . . 51, 58, 105, 167, 169, 178, 201, 203, 205, 207, 219, 248, 252
Larson, B. . . . 50, 58, 108, 184, 203, 215, 236, 252
Larson, W. H. . . . 64, 169, 228
Lenki, S. T. . . . 58
Loesche, B. H. . . . 50, 51, 58, 167, 180, 181, 203, 213
Lomasney, E. P. . . . 58, 168, 169, 173, 182, 205
Luckerman, P. . . . 58, 182
Luckett, T. D. . . . 59, 209, 228
MacIntyre, A. M. . . . 59, 178
MacLennan, J. I. . . . 64, 238
Mahone, A. L. . . . 64
Marks, C. W. . . . 59
Mauer, J. T. . . . 59, 180, 213
McKenna, G. W. . . . 59
McLane, J. R. . . . 59, 228
McWilliams, W. A. . . . 64, 180, 246

SENIOR INDEX *(Continued)*

Meehan, R. F. . . . 59, 119, 188, 219, 232
Meyer, A. L. . . . 59
Meyer, H. . . . 59, 180, 240, 252
Meyer, R. N. . . . 59
Miller, J. H. . . . 51, 59, 167, 182, 205, 211, 221, 224, 252
Mitchell, C. R. . . . 59, 238, 252
Moline, R. W. . . . 60
Monger, H. J. . . . 60, 109, 167, 169, 171, 176, 177, 197, 217
Morevac, J. . . . 60, 203, 217
Morris, S. H. . . . 60, 171, 244
Nelson, C. A. . . . 60, 232
Nelson, H. P. . . . 60
Nelson, R. E. . . . 51, 60, 111, 170, 171, 173, 176, 205, 217, 232
Paine, F. W. . . . 60, 64, 105, 121, 154, 155, 171, 182, 195, 200, 201, 205, 211
Pechman, J. R. . . . 60, 184, 232
Penfold, N. C. . . . 60, 176, 217
Peterson, V. P. . . . 60, 178
Pihl, S. E. . . . 60, 176
Plhak, R. L. . . . 61
Poedtke, C. H. . . . 61
Priban, M. L. . . . 61, 178, 207
Rasmussen, H. . . . 61
Ream, A. M. . . . 61, 169, 182, 221
Reardon, E. P. . . . 61, 178, 190, 219
Reber, G. . . . 61, 178
Reynolds, H. C. . . . 61, 178
Rohrer, J. A. . . . 61, 238
Rosenfeld, P. . . . 61, 180, 250, 252
Rowe, H. C. . . . 64, 178
Rychlik, R. F. . . . 61, 171, 173, 178, 205, 207
Sademan, E. E. . . . 61, 104, 111, 120, 121, 132, 133, 134, 135, 184
Sanchez, J. R. . . . 62
Sandstedt, J. S. . . . 62
Scafuri, R. L. . . . 50, 62, 248
Schultz, C. C. . . . 62
Schwennesen, D. G. . . . 62, 167, 178, 179
Shaver, E. G. . . . 64, 169, 194
Siegal, I. . . . 62
Simons, C. K. . . . 2, 51, 62, 166, 167, 176, 205, 224
Skubic, L. F. . . . 62, 209
Smethells, W. T. . . . 50, 62, 232
Snapp, D. B. . . . 62, 184, 248
Snelling, E. A. . . . 50, 62, 178
Sommer, C. B. . . . 51, 62, 104, 120, 121, 124, 125, 126, 149, 209
Sorensen, J. T. 63, 105, 121, 148, 167, 168, 169, 173, 184, 200, 201, 203, 205, 215, 232
Spawn, O. J. . . . 63
Staib, O. W. . . . 63, 184, 248
Steinhaus, A. L. . . . 63, 184, 188, 190, 219, 248
Terp, G. W. . . . 50, 63, 209
Tufts, R. R. . . . 63, 228
Tyler, W. W. . . . 63, 128, 232
Vanderpoorten, S. . . . 64, 184, 203, 253
Wandrey, E. . . . 63, 167, 176, 195
Weldon, W. J. . . . 63, 119, 120, 121, 156, 157, 184
Wilson, D. G. . . . 63, 178, 195, 207
Winogrond, M. . . . 63, 182, 244
Wise, Morris . . . 63, 250
Zvonecek, J. W. . . . 63, 176

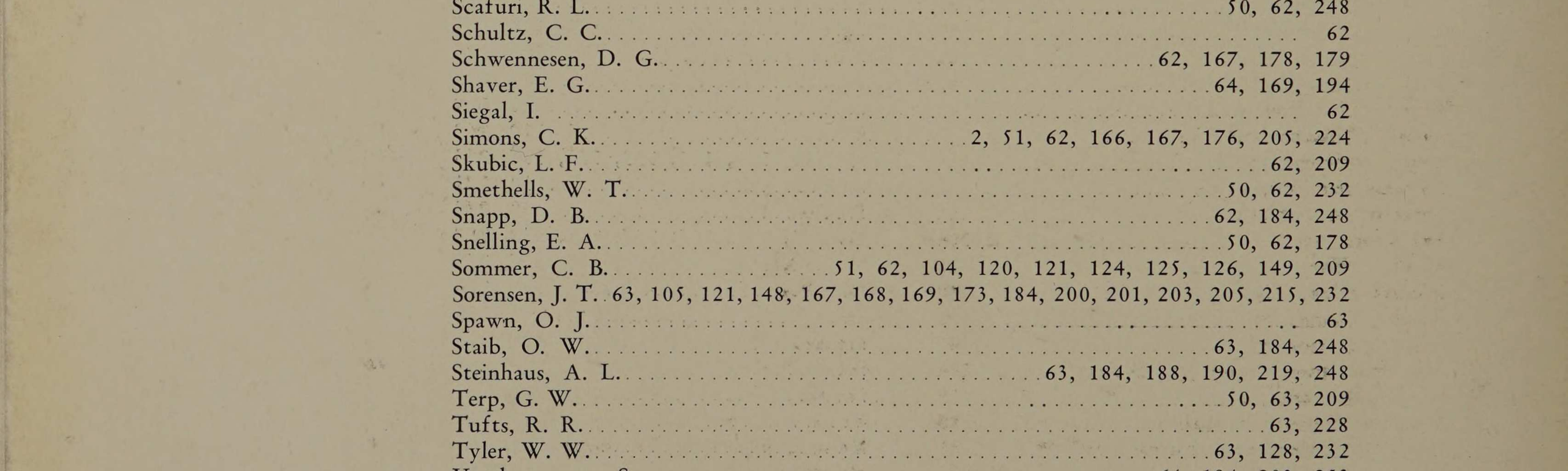
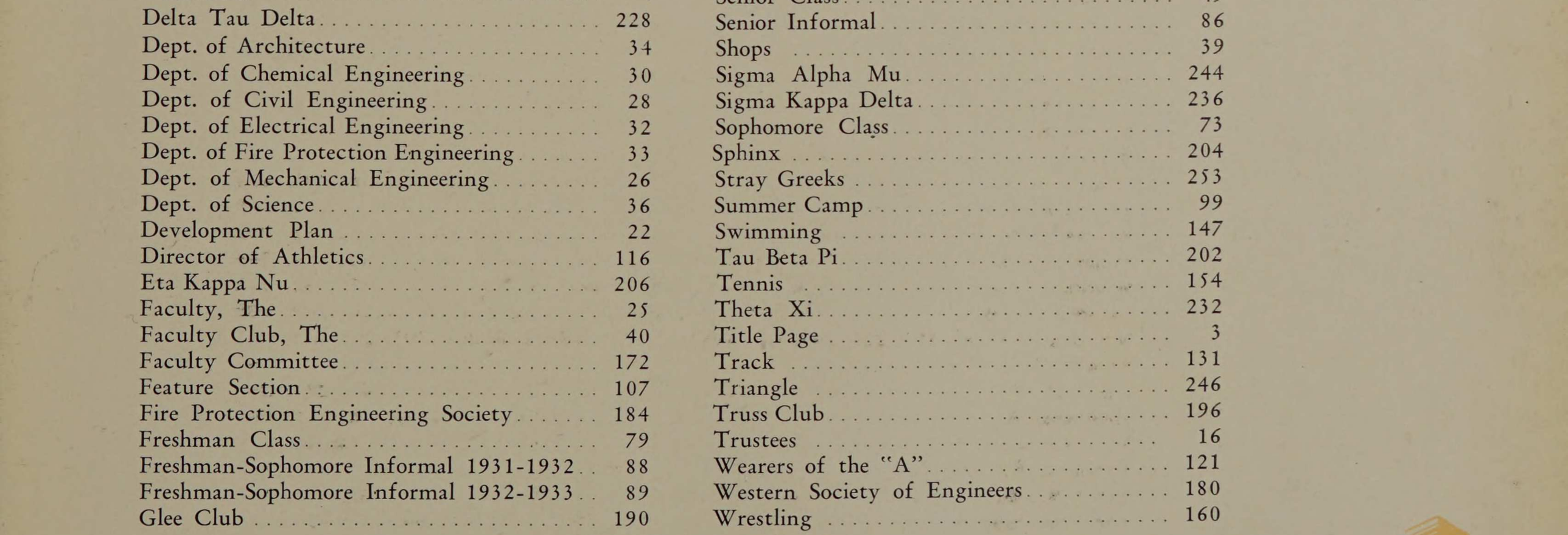


TABLE OF CONTENTS

Administration 15
Alpha Chi Sigma 220
American Inst. of Chemical Engineers 182
American Inst. of Civil Engineers 178
American Society of Mech. Engineers 176
Armour Alumni Association 43
Armour Alumni Reunion 46
Armour Engineer 168
Armour Institute, Main Buildings 9
Armour Players 197
Armour Tech News 170
Armour Tech. Athletic Association 118
Armour Tech. Musical Clubs 188
Armour Tech. Philatelic Society 197
Athletic Administration 115
Athletic Dinner 91
Baseball 123
Basketball 139
Beta Psi 248
Black Knight 201
Board of Athletic Control 119
Board of Publications 173
Boxing 158
Campus Club 194
Chess Club 197
Chi Epsilon 212
Coaching Staff 117
Commencement 65
Cunningham, James D. 4, 22
Cycle 166
Dedication 4
Delta Tau Delta 228
Dept. of Architecture 34
Dept. of Chemical Engineering 30
Dept. of Civil Engineering 28
Dept. of Electrical Engineering 32
Dept. of Fire Protection Engineering 33
Dept. of Mechanical Engineering 26
Dept. of Science 36
Development Plan 22
Director of Athletics 116
Eta Kappa Nu 206
Faculty, The 25
Faculty Club, The 40
Faculty Committee 172
Feature Section 107
Fire Protection Engineering Society 184
Freshman Class 79
Freshman-Sophomore Informal 1931-1932 88
Freshman-Sophomore Informal 1932-1933 89
Glee Club 190
Golf 156
Honor "A" Dinner 120
Honor "A" Society 91
Honorary Fraternity Council 200
Honor Edition Award 103
Humanities 38
Interclass Athletics 162
Interfraternity Athletics 163
Interfraternity Council 252
Interhonorary Banquet 90
Interhonorary Dance 91
Junior Class 67
Junior Prom 90
Junior Informal 87
Junior Week 93
Kappa Delta Epsilon 250
Officers of Administration 21
Orchestra 191
Phi Kappa Sigma 224
Phi Lambda Upsilon 210
Phi Pi Phi 238
Pi Nu Epsilon 218
Pi Tau Sigma 216
President, The 18
President Emeritus 20
Publications Smoker 90
Rho Delta Rho 240
Rifle Club 195
Salamander 214
Scarab 208
Schommer's Message 116
Senior Class 49
Senior Informal 86
Shops 39
Sigma Alpha Mu 244
Sigma Kappa Delta 236
Sophomore Class 73
Sphinx 204
Stray Greeks 253
Summer Camp 99
Swimming 147
Tau Beta Pi 202
Tennis 154
Theta Xi 232
Title Page 3
Track 131
Triangle 246
Truss Club 196
Trustees 16
Wearers of the "A" 121
Western Society of Engineers 180
Wrestling 160

LIST OF ADVERTISERS

Armour Institute of Technology 255
Bloom Photographers 257
Clover Farm Stores 256
Holiday's Deluxe Shoe Repair Co. 260
Geisler's Restaurant 256
Goodman Ice Cream Co. 256
Jens, Murray and Co. 256
Linden Printing Co. 259
Pontiac Engraving Co. 258



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we have visioned theadministrators as the playrights, grant park as the stage, chicago's skyline as the backdrop, and the time as from the unknown to eternity. let now the curtain ring down on the close of the first century of chicago's history and the end of the century of progress. but let this year mark only the close of the first really eventful chapter in our hopeful lives.