

MIT ARCHIVES

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THE 1934
CYCLE

Compiled and Edited
By
THOMAS C. PEAVEY
Editor-in-Chief
and
HOWARD J. ZIBBLE
Business Manager

THE

1934

CYCLE

PUBLISHED

by the

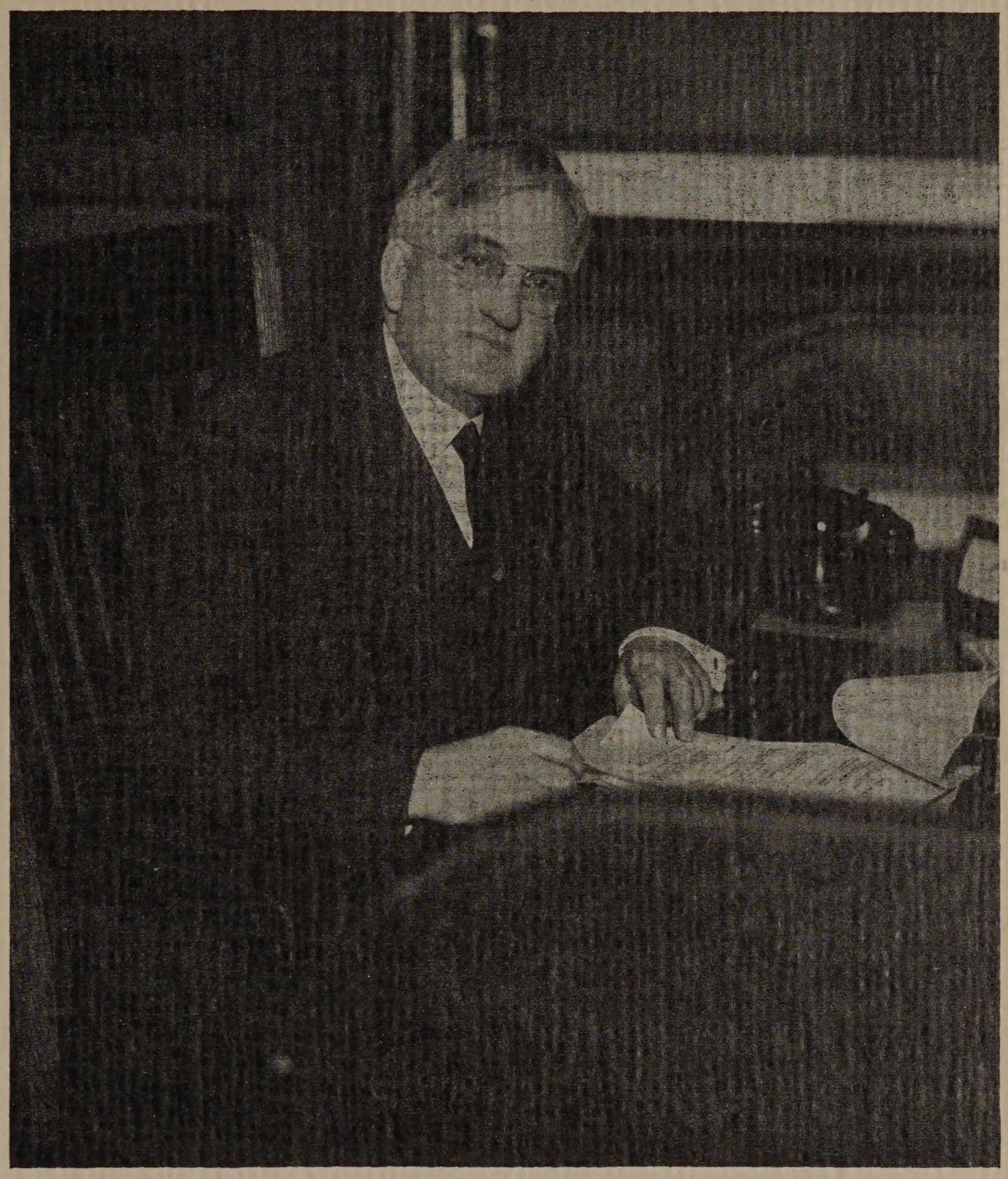
STUDENTS OF

ARMOUR INSTITUTE

CHICAGO, ILL.

DEDICATED

Because he came to us believing in the splendid destiny of Armour Institute of Technology, because his part in its shaping is the crowning achievement of a distinguished career, and above all because his enthusiasm for the task is inspiring and his wholehearted enjoyment of it always refreshing, we dedicate the Cycle of 1934 to Willard Eugene Hotchkiss.



DOCTOR WILLARD EUGENE HOTCHKISS

FOREWORD

It has been our purpose to give to you, the class of 1934, a chronicle wherein the events of your years at Armour have been kept intact. Many of those mental endeavors, happy incidents experienced, and philosophical tid-bits gleaned within the portals of our Alma Mater have been preserved by pictures, prose, and poetry for your future hours of reminiscence. When our dreams and ambitions have carried us toward the realization of our goals, we, with this volume in hand, are able to live anew in thought our fanciful, and youthful aspirations and get a new perspective wherein we may find the ever-present divine sense of the joy of living!

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ADMINISTRATION

CLASSES

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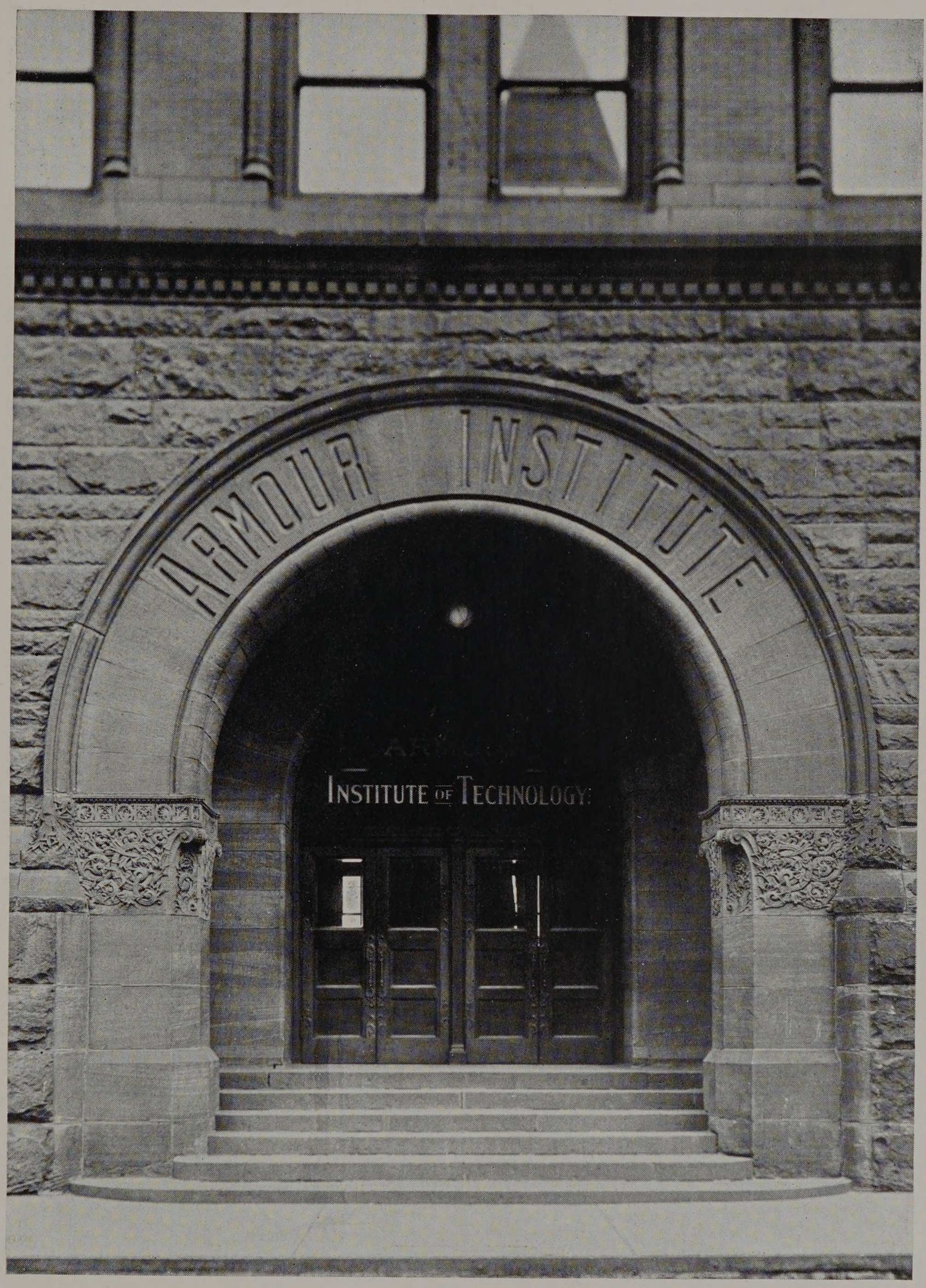
ADVERTISING

THEME

Armour and Industry, two seemingly different subjects, are tied together by a common bond. It is a bond of one preparing young men to better enable them to serve the other. Armour has recently inaugurated a program which will inevitably tie the two together. An attempt has been made in this volume of The Cycle to present views of some of the basic industries which employ thousands of Chicago workmen and many Armour graduates in recognition to the industries which Armour is serving.


ARMOUR INSTITUTE
INSTITUTE OF TECHNOLOGY:



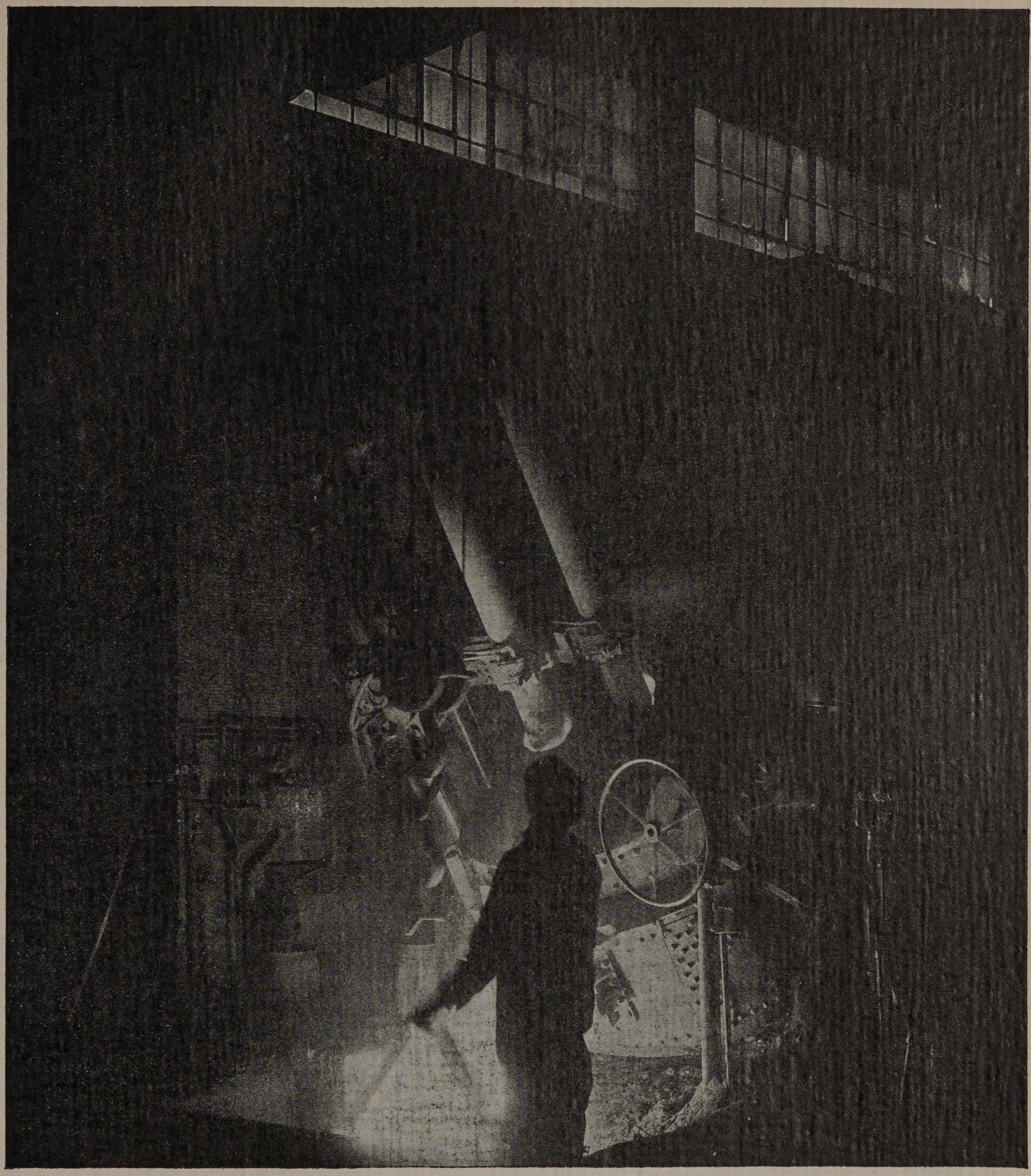



MECHANICS HALL

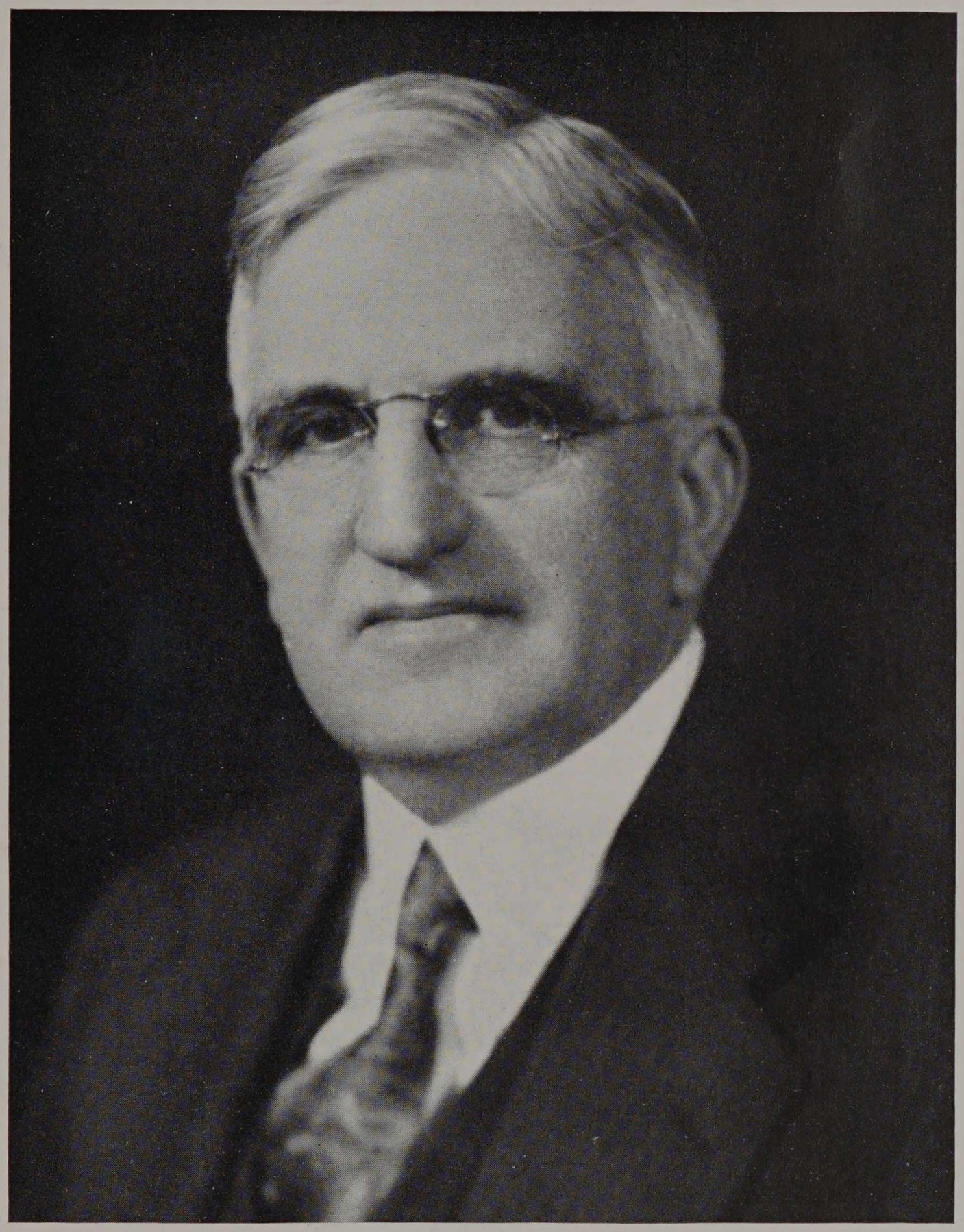




ADMINISTRATION



The production of iron and steel is an industry which is so important as a basic producer and yet carried on in such a tremendous scale as to be almost incomprehensible. The handling of the steel as shown above is a process universally employed in the giant steel industry.



DOCTOR WILLARD EUGENE HOTCHKISS

PRESIDENT

ARMOUR INSTITUTE OF TECHNOLOGY



Cunningham
Chairman
Alschuler
L. Armour
P. D. Armour
Downs
Faulkner
Griffenhagen

TRUSTEES

JAMES D. CUNNINGHAM, Chairman, is president of the Republic Flow Meters Company and the Autogas Corporation. He is a former president of the Illinois Manufacturers' Association.

ALFRED S. ALSCHULER graduated from Armour in 1899 and in 1904 received his master's degree. As one of Chicago's most prominent architects, he has designed many of her larger buildings.

LESTER ARMOUR received his B.A. degree from Yale. He is chairman of the board of directors of the General Stock Yards Corporation and a director of Armour and Company.

PHILIP D. ARMOUR III was in the class of 1916 at Yale. He is a director of Armour and Company and the General Stock Yards Corporation and president of the Infant Welfare Society.

VINCENT BENDIX, a prominent inventor and capitalist, developed the electric self-starter and is president and manager of the Bendix Brake Company and the Bendix Aviation Corporation.

PAUL H. DAVIS graduated from the University of Chicago and is a senior partner of Paul H. Davis and Company, investment brokers. He is a former president of the Chicago Stock Exchange.

LAWRENCE A. DOWNS graduated from Purdue in 1894. He is president of the Illinois Central Railroad System and a director of the Continental Illinois National Bank and the Railway Express Agency.

GEORGE B. DRYDEN is president of the Dryden Rubber Company, vice-president of the Enoz Chemical Company, and director of the Central Trust Company. He is president of the National Society for Chemical Defense.

ALFRED L. EUSTICE graduated from Armour in 1907 and was awarded the degree of Electrical Engineer in 1910. He is president of the Economy Fuse and Manufacturing Company.

CHARLES J. FAULKNER, JR. graduated from Washington and Lee in 1898. He is general counsel and a director of Armour and Company and a member of the Chicago, Illinois, and American Bar Associations.

EDWIN O. GRIFFENHAGEN, an Armour graduate, received his C.E. degree in 1909. He is senior partner of Griffenhagen and Associates, management engineers, reorganizers of the Canadian and other small governments.

TRUSTEES

THOMAS S. HAMMOND is president of the Whiting Corporation and vice-president of the Grindle Fuel Equipment, Swenson Evaporator, and Joseph Harrington Companies. He is a brigadier general in the Reserve Army.

ROBERT B. HARPER graduated from Armour in 1905 and later received his chemical engineer degree. He is vice-president of the Peoples Gas Light and Coke Company and a former president of the Illinois Gas Association.

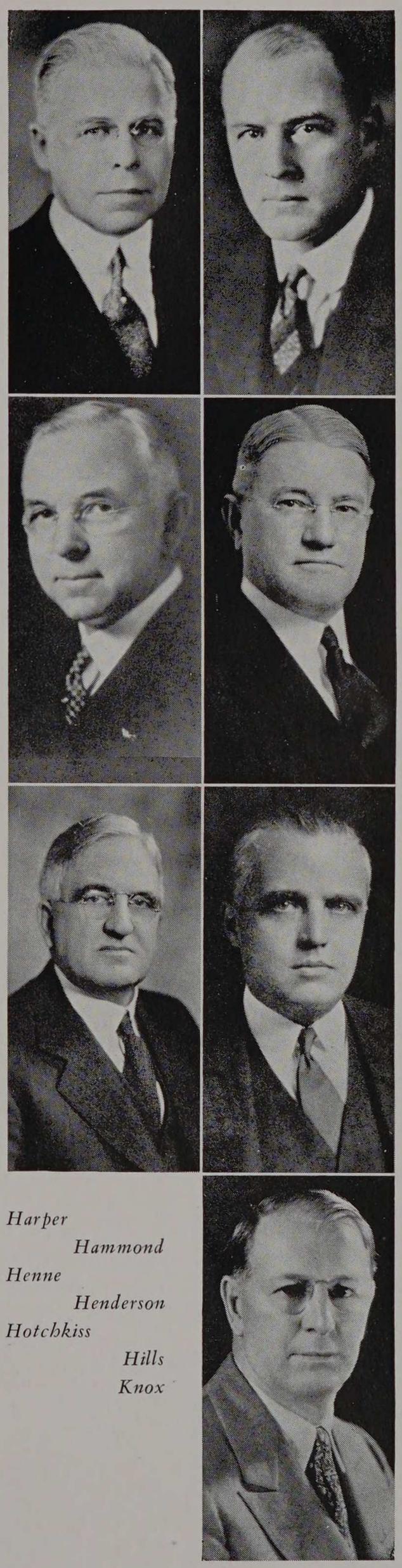
ROY M. HENDERSON, a graduate of the class of 1902, received his degree of electrical engineer in 1908. He is Chicago manager of United Engineers and Constructors, Incorporated.

ERNEST A. HENNE is vice-president of the American Fire Companies, made up of the American Eagle Fire, Continental, Fidelity-Phoenix Fire, Maryland, First American Fire, and the Niagara Fire Insurance Companies.

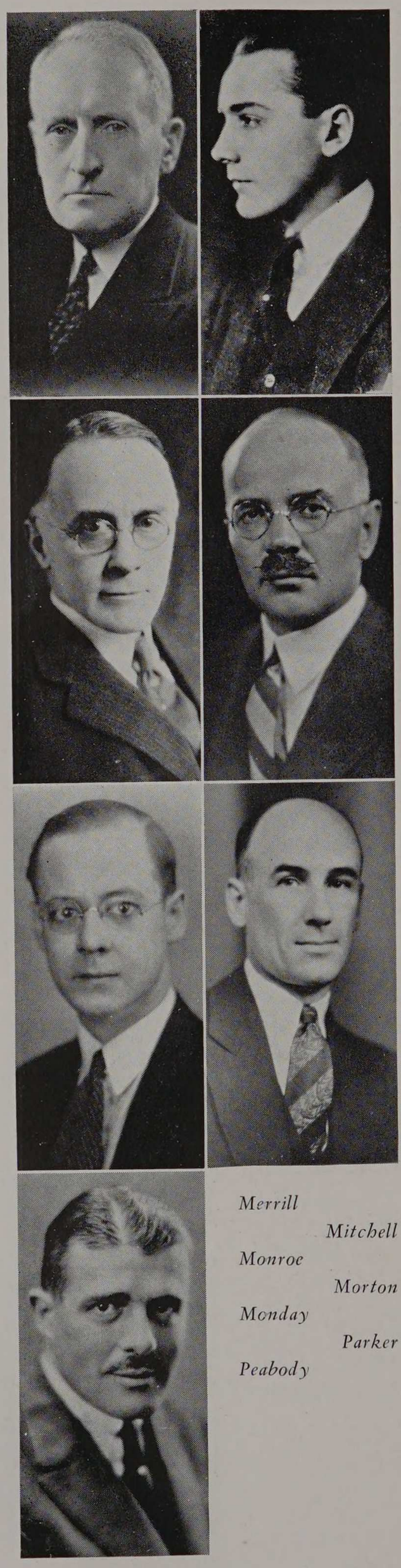
CHARLES W. HILLS, JR. studied engineering at Armour and graduated from Kent College of Law. He is a member of the firm of Charles W. Hills, specialists in patent, trademark, and copyright law.

WILLARD E. HOTCHKISS, president of Armour, is a graduate of Cornell. He is a former dean of Northwestern's and Stanford's business schools. An authority on labor and economic problems, he has held various governmental positions.

FRANK KNOX graduated from Alma College in 1898 and is now publisher of the Chicago Daily News and the Manchester Union. He was a major of the 78th Division during the World War.



Harper
Hammond
Henne
Henderson
Hotchkiss
Hills
Knox



Merrill
Mitchell
Monroe
Morton
Monday
Parker
Peabody

TRUSTEES

JOSEPH J. MERRILL is chief engineer of the Corn Products Refining Company of Argo, Illinois, and is in charge of construction, maintenance, and operation.

JOHN J. MITCHELL, a graduate of Yale, is president of the Chicago Tunnel Terminal Corporation, vice-president and treasurer of the Universal Oil Products Company, and a director of the Commonwealth Edison Company.

WILLIAM S. MONROE received his M.E. degree from Cornell and is president of Sargent and Lundy, consulting engineers for many large utility companies, and a former president of the Western Society of Engineers.

STERLING MORTON graduated from Princeton and is secretary and director of the Morton Salt Company and a director of the Teletype Corporation, the Morton Building Corporation, and the Elgin National Watch Company.

HAROLD W. MUNDAY received his B.S. degree in civil engineering in 1923. He is now vice-president of the McGann Manufacturing Company of Chicago.

C. PAUL PARKER studied engineering at Lewis and graduated from Kent College of Law. He is a member of the firm of Chindahl, Parker, and Carlson, patent and copyright lawyers.

STUYVESANT PEABODY, a Yale graduate, is president of the Peabody Coal Company and the Consumers Company and a director of several other coal companies. He was a captain in the Chemical Warfare Service.

TRUSTEES

HOWARD M. RAYMOND, president emeritus of Armour, is a graduate of the University of Michigan. Dean of Engineering for twenty years, he was president of the Institute from 1922 to 1932.

GEORGE W. ROSSETTER is head of the firm of George Rossetter and Company, accountants, and a former president of the Chicago Chamber of Commerce. He is also a director of the Chicago Crime Commission.

JOHN J. SCHOMMER, a graduate of Chicago and Armour, is a chemistry professor and athletic director at Armour. President of the Alumni Association and the Faculty Club, he is the most ardent promoter of the development program.

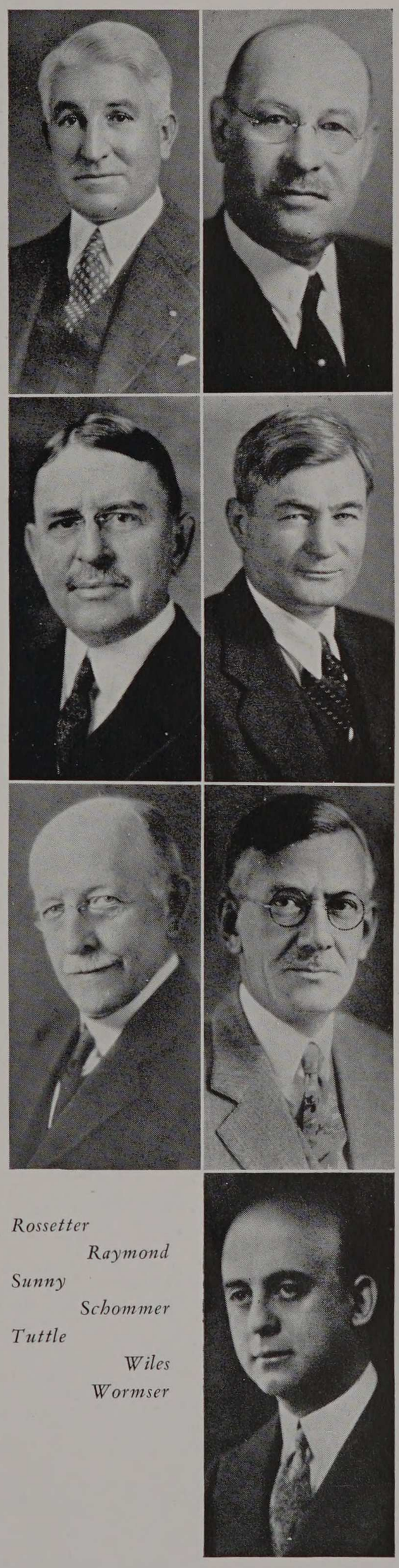
BERNARD E. SUNNY is a former president of the Illinois Bell, Wisconsin, Michigan State, Central Union, and Cleveland Telephone Companies. He is a director of several Chicago banks and manufacturing companies.

GEORGE G. THORP graduated from Wisconsin and is president of the Illinois Steel Company, vice-president of the Indiana Steel Company, and a director of the First National Bank.

CHARLES R. TUTTLE graduated from Westminster College and is vice-president and general manager of the Western Department of the Insurance Company of North America and several other fire insurance companies.

RUSSELL WILES holds degrees from Chicago and Northwestern. He is a member of Dyrenforth, Lee, Chritton, and Wiles, patent lawyers, and a former president of the Chicago Patent Law Association.

LEO F. WORMSER, a graduate of Armour Academy in 1901, received his law degrees at Wisconsin and Harvard. He is a member of the firm of Rosenthal, Hamill, and Wormser.



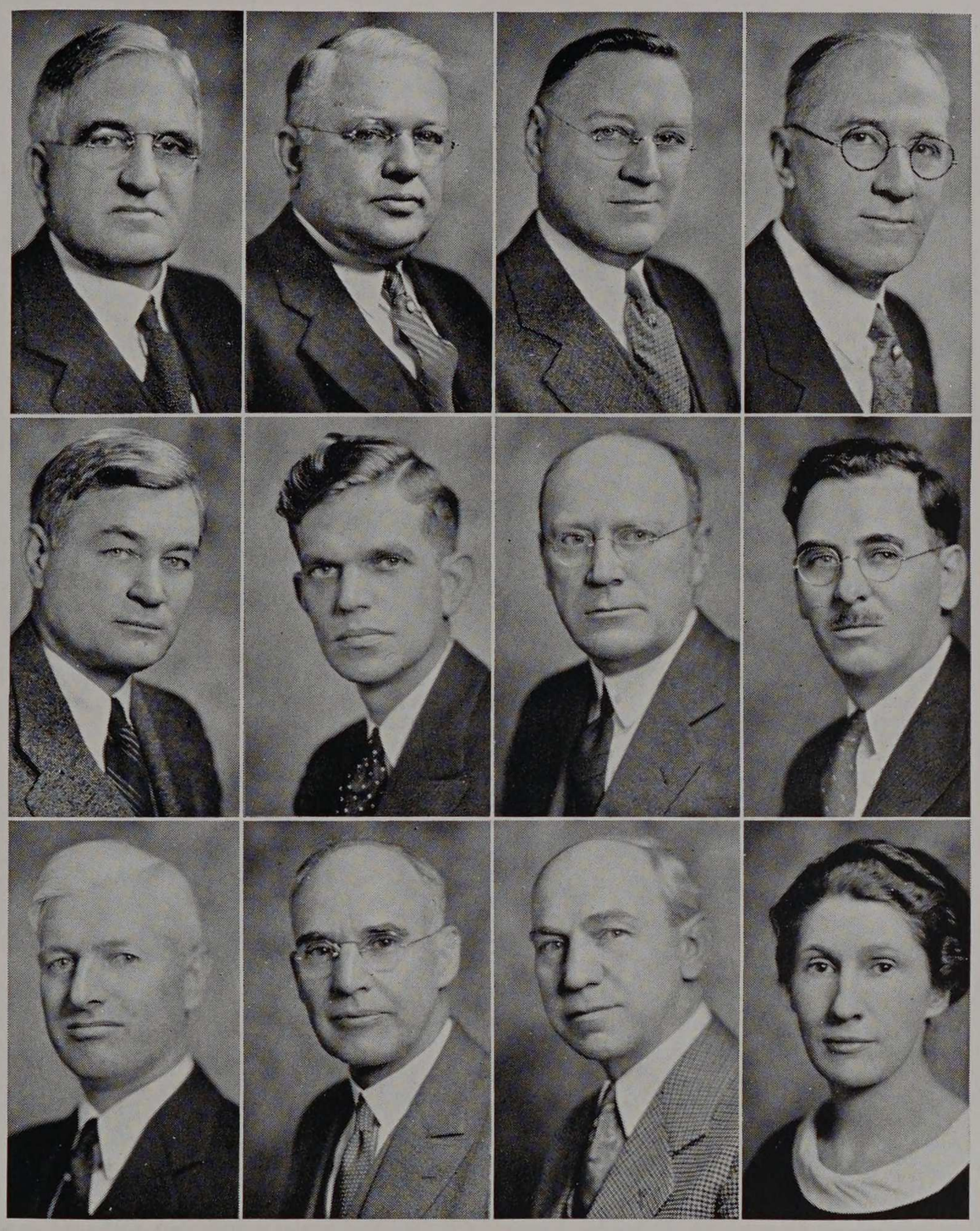
Rossetter
Raymond
Sunny
Schommer
Tuttle
Wiles
Wormser



DOCTOR HOWARD MONROE RAYMOND

PRESIDENT EMERITUS

ARMOUR INSTITUTE OF TECHNOLOGY



Hotchkiss
Schommer
Kelly

Allison
Heald
Palmer

Penn
Finnegan
Erickson

Perry
McNamara
Steele

OFFICERS OF ADMINISTRATION

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Dean of Engineering

Henry Townley Heald
Dean of Freshmen

Robert Vallette Perry
Dean of Evening Classes

Joseph Bernard Finnegan
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Howard K. Lanigor
Placement Officer

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Medical Adviser and Physician

John Joseph Schommer
Director of Physical Education

Wilmot Cecil Palmer
Cashier

William Ernest Kelly
Recorder

Ellen Steele
Librarian

DEVELOPMENT PLAN 1933-34

Of the ambitious program for educational development adopted two years ago by trustees of Armour Institute of Technology, several important features have become operative during the past year. Working carefully toward the objectives determined when the program was first laid out, the administration has suited execution of its recommendations to current experience at the Institute, modifying the program as conditions have warranted.

The adjustment of curriculum is probably the most significant change embodied in the program. During the summer of 1933, the administration worked out the uniform freshman course which was offered to entering students this year, providing them an opportunity to familiarize themselves with the engineering college routine before they are required to select departments for specialized study. The department of Social Sciences, just finishing its first year as an important part of the curriculum, has offered courses in business and social subjects to all freshman and senior students. It will, of course, be impossible accurately to determine the effectiveness of these courses until some time after the present freshman class has been graduated. It is interesting to note in this connection that the younger alumni—those who have had to seek a foothold in the engineering professions during the distress and confusion caused by the depression—are particularly enthusiastic in their support of the new practice at Armour, feeling that later graduates will be better equipped to face practical conditions in business.

Another important event of the last year was the temporary suspension of shop courses pending an investigation to determine the proper place of shops in the engineering college curriculum. A committee of faculty members has been studying this problem throughout the



James D. Cunningham

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Paul H. Davis
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Dr. Willard E. Hotchkiss
John J. Mitchell
Sterling Morton
Harold W. Munday
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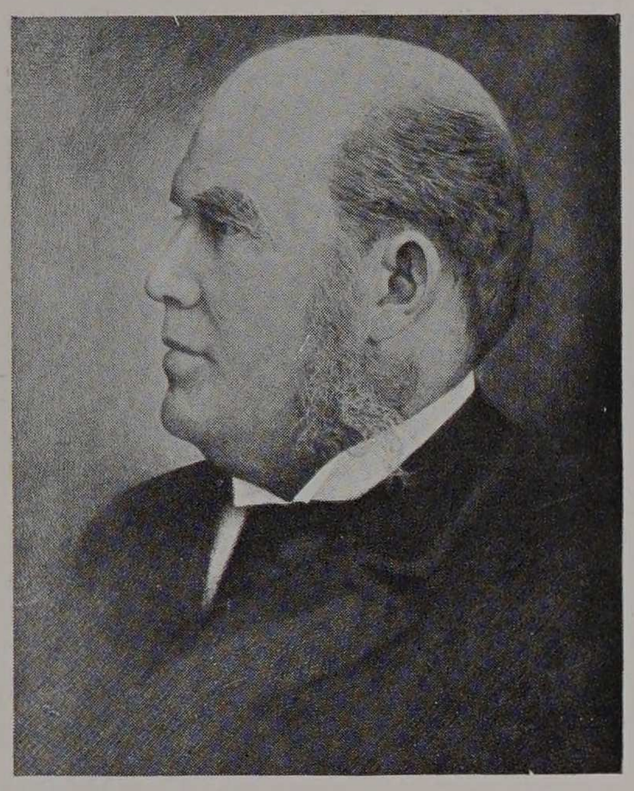


Philip D. Armour

IN 1893—IN 1934

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.

year, examining practice and opinion at other colleges and in many leading industries as a background for reorganization of shop teaching to insure greatest educational value to students. In the organization this year of graduate study in each department, the foundation is laid for future development of a substantial graduate division, according to recommendations of the Board of Trustees.

The appointment a year ago of a Director of Research and Testing marked the first step in a program to extend this phase of the Institute's service; the Lecture Bureau, a development feature organized to carry information about Armour Institute into the Chicago and nearby high schools, has had an active and productive year under the capable direction of Professor Paul; the Placement Office has performed a year's work under the trying conditions imposed by continued depression, and an increasing number of alumni is regarding the year's placement record as a good job of work.

The entire program will be carried forward next year; plans for further extension of research and testing, placement work, and adult education facilities will be pushed as far as possible. Progress in the program for development must of course depend in large measure upon the rapidity with which recovery from the depression can stimulate the business and industrial interests of the community. The past four years have been neither more nor less difficult for educational institutions than for business generally. That Armour Institute of Technology has maintained its enrollments and the high character of its student body during this period is an indication that its position in the community is unquestioned. A vigorous, forward-looking program for the future is an assurance that the Institute will continue to improve its position and influence in the Chicago area.

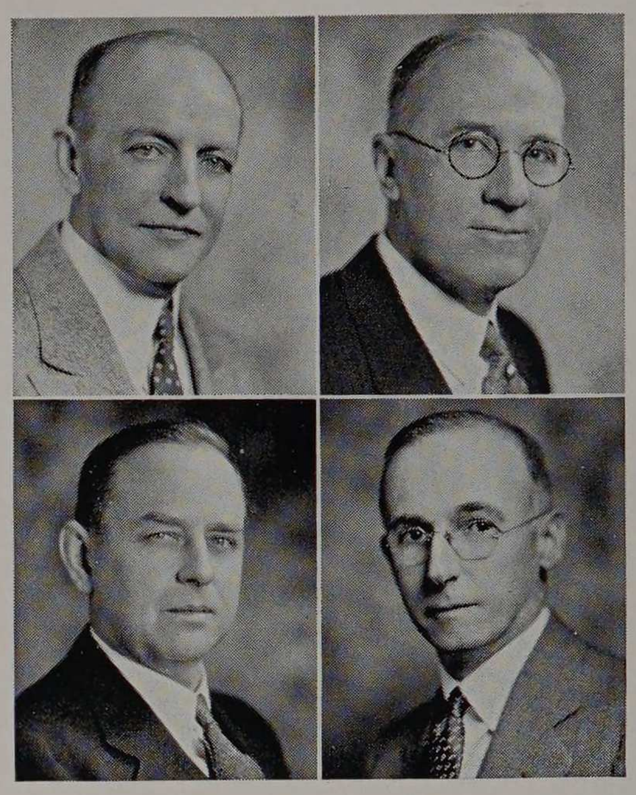
DEPARTMENT OF MECHANICAL ENGINEERING

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

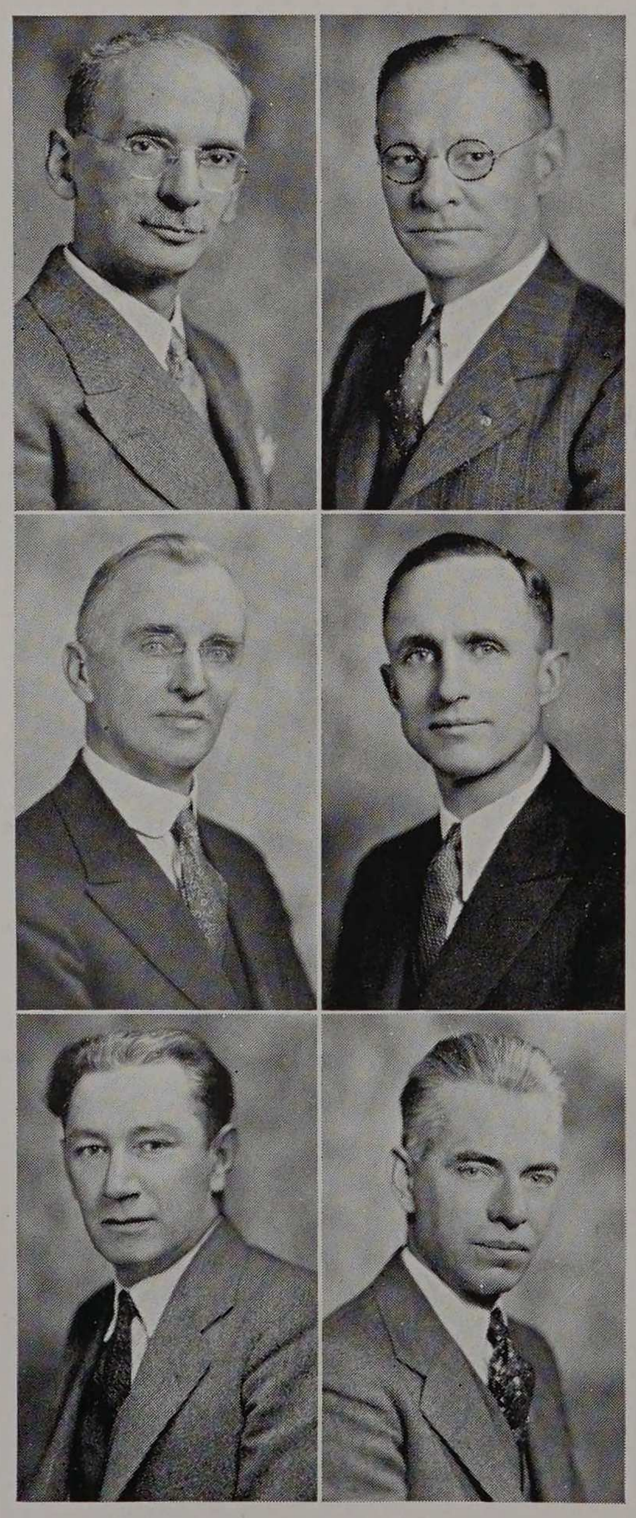
Robert Vallette Perry — M.E.
B.S. and M.E. Armour Institute of Technology
Dean of the Evening Classes and Professor of Machine Design
Tau Beta Pi, Pi Tau Sigma, Theta Xi

Daniel Roesch — M.E.
B.S. and M.E. Armour Institute of Technology
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 Technology
M.M.E. Cornell University
Professor of Experimental Engineering
Sigma Xi, Gamma Alpha, Tau Beta Pi, Pi Tau Sigma, Sphinx



Gebhardt *Perry*
Roesch *Peebles*



Nachman *Libby*
Swineford *Winston*
Foster *Seegrist*

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

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

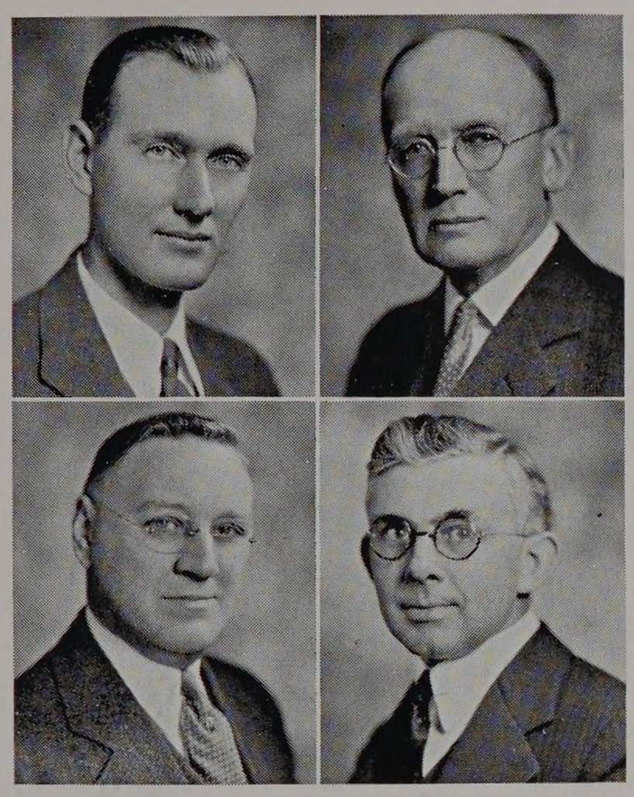
Philip Conrad Huntly (No picture) — B.C.E.
B.C.E. University of Arkansas
Professor of Experimental Engineering
Tau Beta Pi, Pi Tau Sigma, Chi Epsilon, Black Knight, Sigma Chi, Triangle

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 Machine Design

Richard Joseph Foster — B.S.
B.S. University of Nebraska
Associate Professor of Machine Design

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



Sear *Wells*
Penn *Stevens*

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

DEPARTMENT OF CIVIL ENGINEERING

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

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
Dean of Freshmen and Associate Professor of Civil Engineering
Tau Beta Pi, Chi Epsilon, Black Knight, Sigma Tau, Phi Kappa Phi

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

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

Sholto Marion Spears — C.E.
B.S. and C.E. University of Kentucky
Assistant Professor of Civil Engineering
Tau Beta Pi, Triangle

Harold Alfred Vagtborg — B.S.
B.S. University of Illinois
Assistant Professor of Municipal and Sanitary Engineering
Sigma Tau, Pi Delta Epsilon, MuSan, Kappa Delta Rho

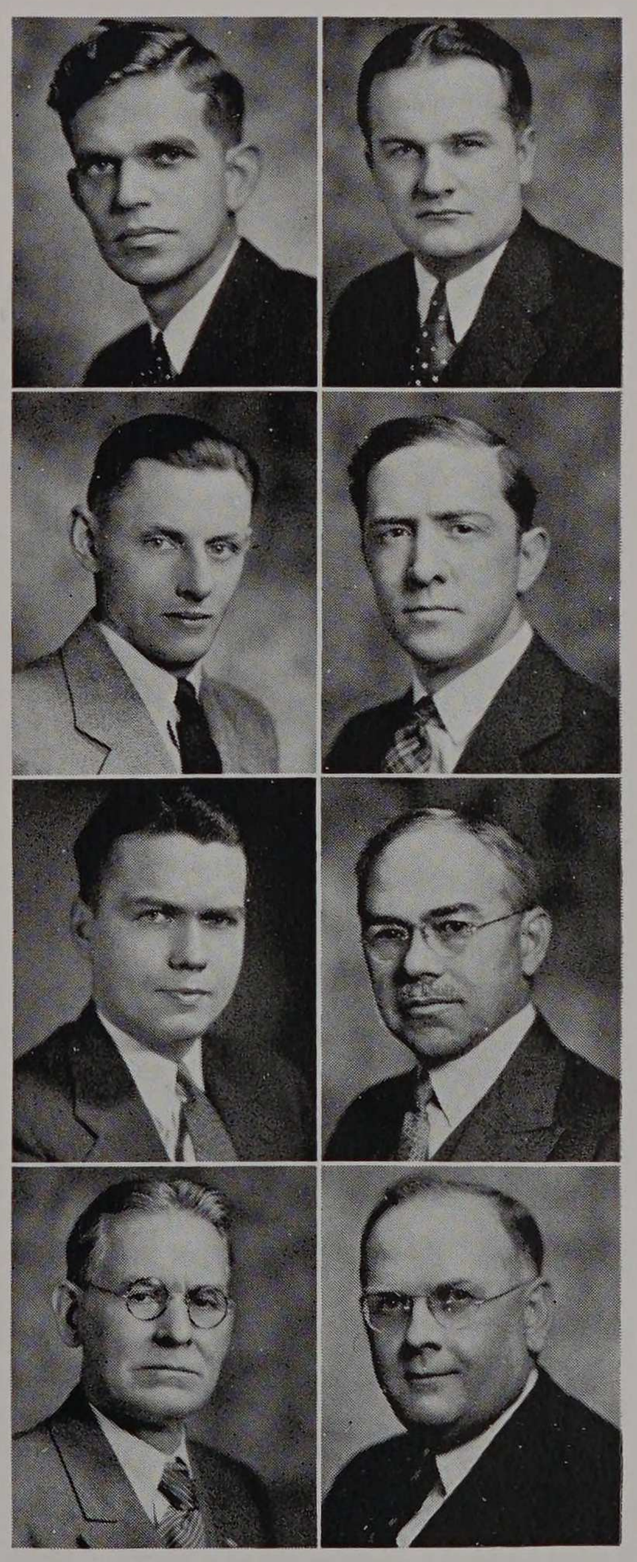
Ernest K. Eugene (No picture) — B.C.E.
Ing. Dipl. University of Chent
B.C.E. University of Michigan
Lecturer in Civil Engineering

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 Pi Phi

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 — E.E.
B.S. and E.E. Armour Institute of Technology
Professor of Direct and Alternating Current Machinery
Tau Beta Pi. Eta Kappa Nu



Heald *Ensz*
Grafton *Spears*
Vagtborg *Freeman*
Snow *Moreton*

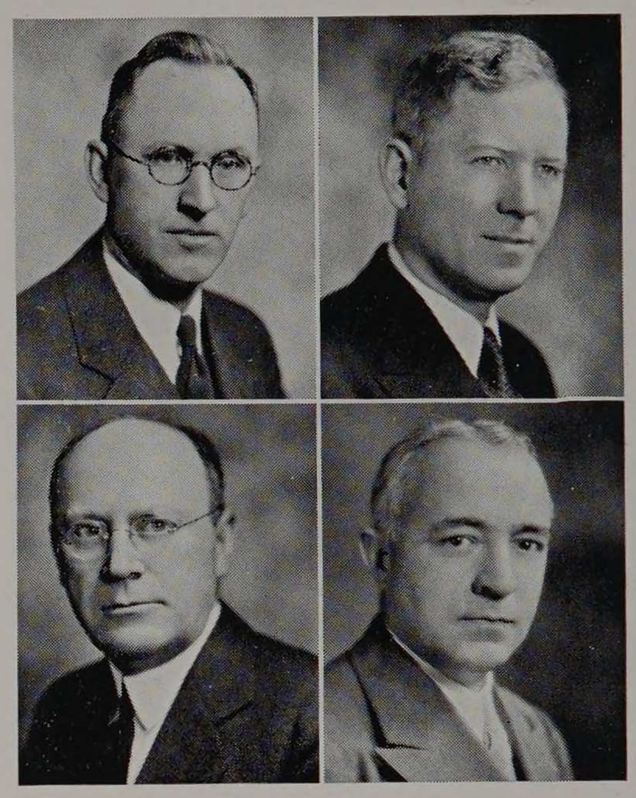
Charles Anson Nash — B.S.
B.S. University of Illinois
Associate Professor of Electrical Engineering
Sigma Xi

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

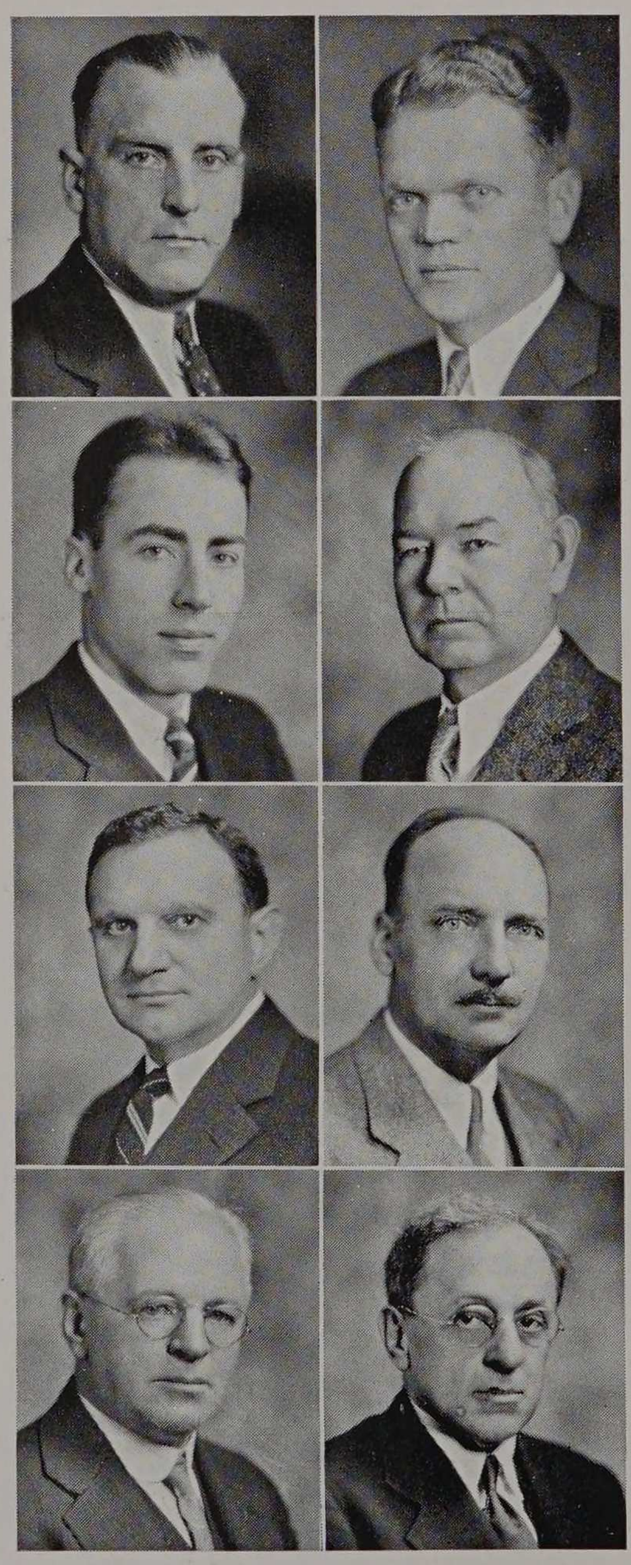
DEPARTMENT OF FIRE PROTECTION ENGINEERING

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

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



Nash *Richardson*
Finnegan *Robinson*



Holmes *Norway*
Parker *McCormack*
Freud *Tibbals*
Gill *Carpenter*

Charles Page Holmes — S.B.
S.B. Masschusetts Institute of Technology
Assistant Professor of Fire Insurance
Salamander, Alpha Chi Epsilon

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

Kent Hamilton Parker — F.P.E.
B.S. and F.P.E. Armour Institute of Technology
Assistant Professor of Fire Insurance
Tau Beta Pi, Salamander, Sphinx, Pi Nu Epsilon, Theta Xi

DEPARTMENT OF CHEMICAL ENGINEERING

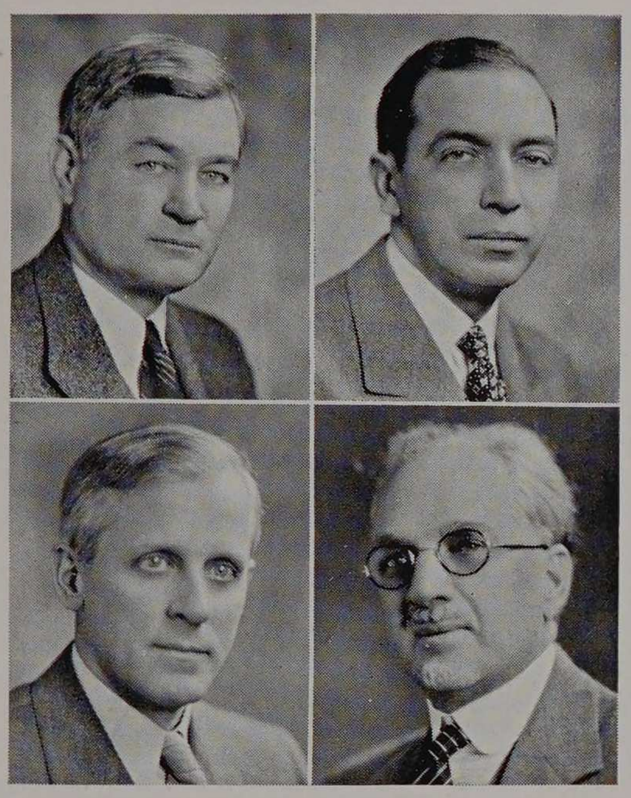
Harry McCormack — B.S., M.S.
B.S. Drake University
M.S. University of Illinois
Professor of Chemical Engineering and Head of the Department
Tau Beta Pi, Phi Lambda Upsilon, Phi Beta Kappa

Benjamin Ball Freud — Ph.D.
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 Sigma, Phi Gamma Delta, Honorary Member of Triangle

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

Arthur Howe Carpenter — A.M.
A.M. Ohio University
Associate Professor of Metallurgy
Phi Lambda Upsilon, Delta Tau Delta



Schommer *Bentley*
Reed *Krehbiel*

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

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

DEPARTMENT OF ARCHITECTURE

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

Arthur H. Krehbiel
Professor of Freehand Drawing and Water Color

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

August Christian Wilmanns
Assistant Professor of Architectural Construction

Harry Howe Bentley (No picture) — 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 Design
Scarab, Phi Delta Theta

Emil Robert Zettler (No picture)
Lecturer in Architectural Modeling

DEPARTMENT OF SCIENCE

Charles Edward 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



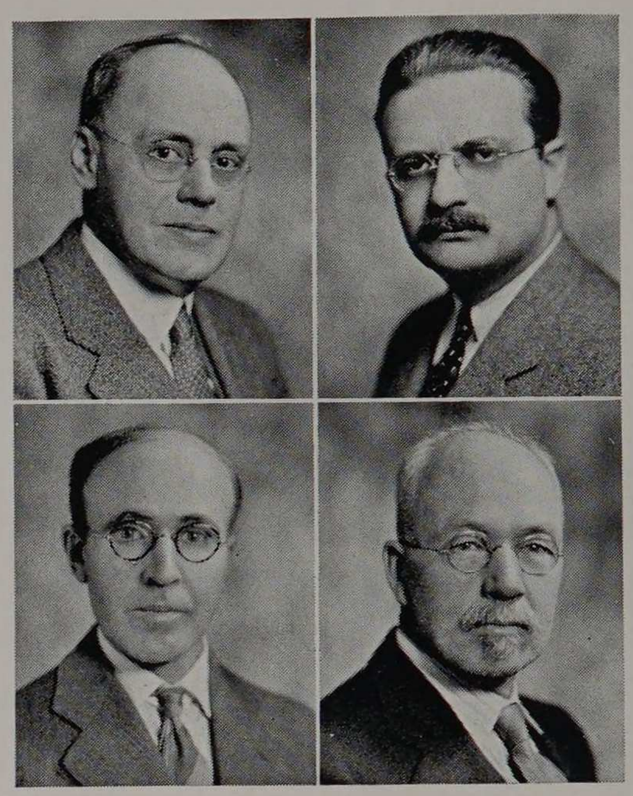
McCaughey *Lautz*
Wilmanns *Beersman*
Hofmeester *Suter*
Rathbun *Paul*

William Charles Krathwohl
B.A. Harvard College
M.A. Columbia University
Ph.D. University of Chicago
Professor of Mathematics and Head of the Department

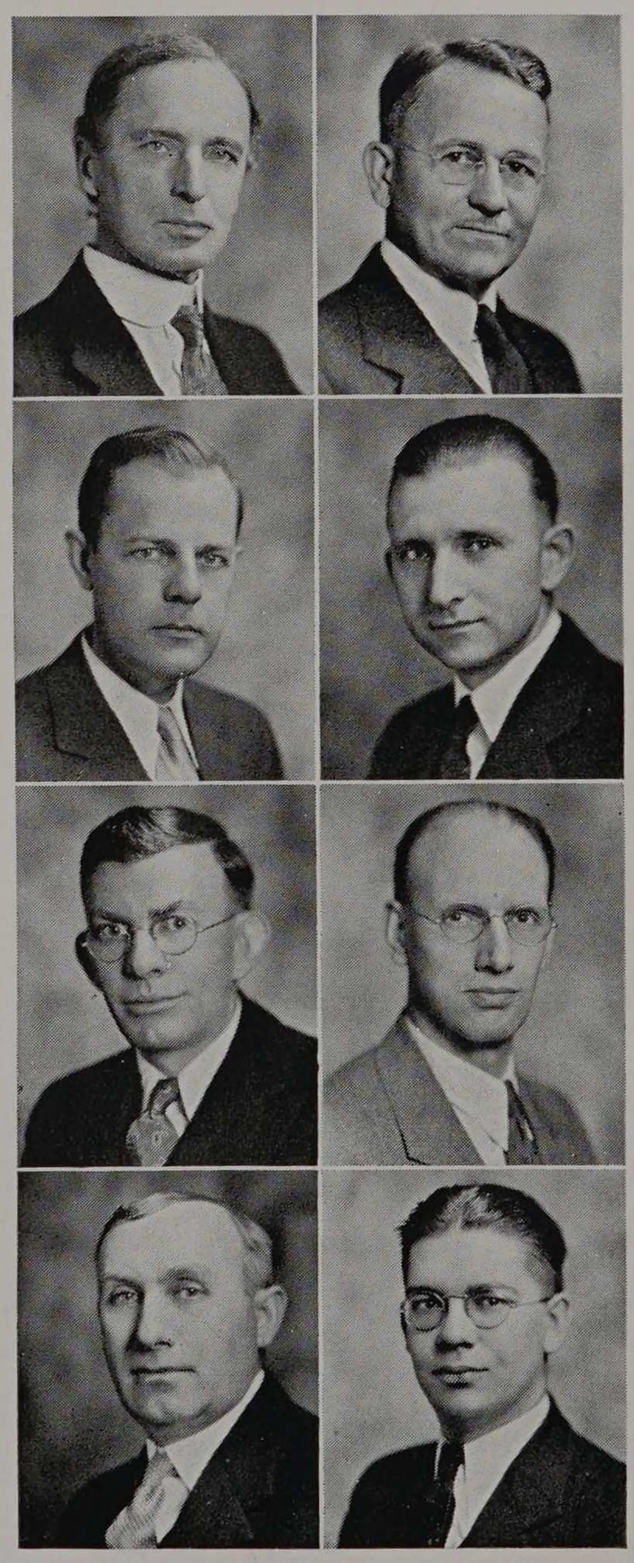
James Stratton Thompson — Ph.D.
B.S. and Ph.D. University of Chicago
Associate Professor of Physics and in charge of Department
Sigma Xi, Sigma Alpha Epsilon

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

Guy Maurice Wilcox — A.M.
A.B. Carlton College
A.M. University of Wisconsin
Professor of Physics



Krathwohl *Thompson*
Leigh *Wilcox*



Doubt *Mangold*
Covert *Teach*
Bibb *Haggard*
Spencer *Davis*

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

John Fredrick Mangold — C.E.
B.S. Cornell College
B.E. and C.E. University of Iowa
Associate Professor of Mechanics
Sphinx, Beta Psi

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

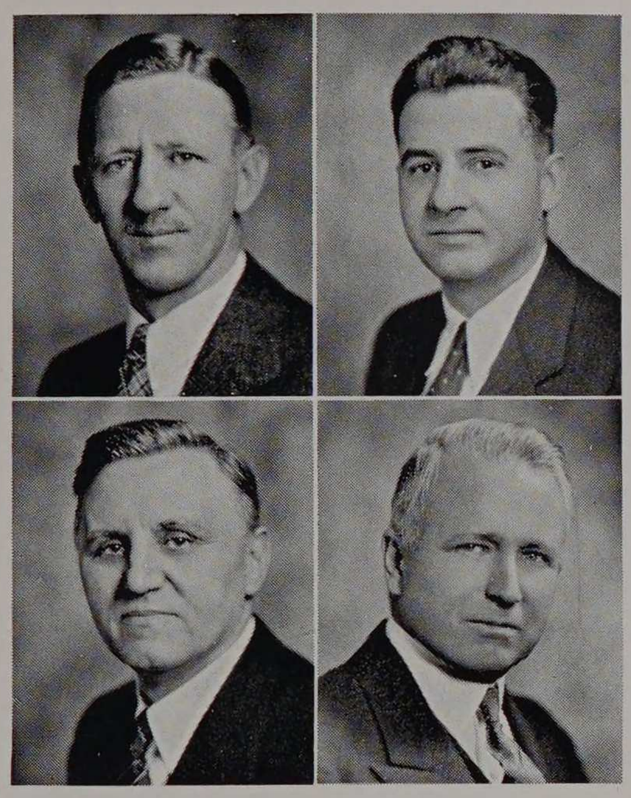
Van Bauman Teach — M.Sc.
B.A., B.E.E. and M.Sc. Ohio State University
Associate Professor of Mathematics
Tau Beta Pi, Sigma Xi, Eta Kappa Nu, Pi Mu Epsilon, Phi Kappa Tau

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

Harold Witter Haggard — S.M.
B.S. Denison University
S.M. University of Chicago
Assistant Professor of Mathematics
Delta Phi

Walter Arthur Spencer — B.Sc.
B.Sc. University of Nebraska
Assistant Professor of Mathematics

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



Hendricks *Blough*
Scherger *Dutton*

THE HUMANITIES

Walter Hendricks — M.A.
B.A. Amherst College
M.A. University of Chicago
Professor of English and Head of the Department
Phi Beta Kappa, Sphinx, Phi Delta Theta

Carman George Blough — M.A.
A.B. Manchester College
M.A. University of Wisconsin
C.P.A. Wisconsin
Professor of Economics, and Head of the Department of Social Science
Beta Gamma Sigma, Beta Alpha Psi, Delta Sigma Pi

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

Henry Post Dutton — B.E.E.
B.E.E. University of Michigan
Lecturer in Management
Sigma Iota Epsilon. Delta Sigma Pi

Walter Bruce Amsbary (No picture)
Professorial Lecturer in General Literature

Ernest E. Tupes (No picture) — LL.B.
A.B. and B.S. University of Missouri
LL.B. Chicago Kent College of Law
Lecturer in Business Law
Tau Beta Pi

Albert Miller Hillhouse — J.D.
A.B. Davidson College
M.A. University of North Carolina
J.D. New York University
Instructor in Economics and Business
Phi Beta Kappa. Phi Delta Phi, Pi Kappa Alpha, Omicron Delta Kappa

William Bruce Lockling — Ph.D.
A.B. University of California at Los Angeles
A.M. University of California
Ph.D. University of Illinois
Instructor in Economics
Phi Beta Kappa, Alpha Kappa Psi, Alpha Sigma Phi

Walter Benjamin Fulghum — M.A.
A.B. University of Michigan
M.A. Southern Methodist University
Instructor in English
Phi Beta Kappa, Phi Kappa Psi, Sigma Zeta

Clair Colby Olson — M.A.
A.B. Oberlin College
M.A. University of Chicago
Instructor in English

THE LIBRARY

Ellen Steele
Lake Forest College
Librarian

Ruth Lillian Verwey — A.B.
A.B. Lawrence College
Assistant Librarian

Harriet Proctor Wirick — M.A.
B.A. University of Wisconsin
B.S. University of Minnesota
M.A. University of Illinois
Assistant Librarian

ATHLETICS

William Carl Krafft — A.B.
A.B. North Central College
Instructor in Physical Training



Hillhouse *Lockling*
Fulghum *Olson*
Steele *Verway*
Wirick *Krafft*

DEPARTMENT OF MECHANICAL ENGINEERING



George F. Gebhardt

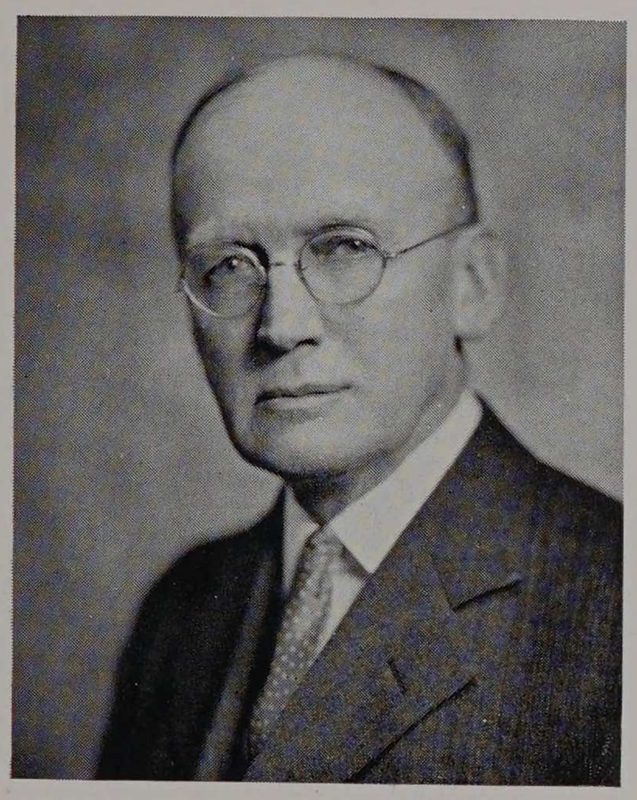
The Mechanical Engineering Department is completing its 41st year as a departmental organization. Since its inception 600 students have received the degree of B.S. in M.E., and approximately 40 will be added to the list this coming June. About 75 percent of the graduates have reached administrative and executive responsibility by the age of 45. Most of these are engaged in engineering but several are detached from technical work either wholly or in part. This record speaks for itself.

Prior to the year 1903 laboratory and shop equipment was conspicuous by its absence and the curriculum was decidedly nondescript. There was no foundry—six small forges and anvils comprised the forge shop—about a dozen single machine tools covered the work in the machine shop—and a dozen home made speed lathes furnished the equipment for wood working and pattern making. Testing apparatus for the experimental engineering laboratories consisted of two small universal testing machines, a torsion machine and a single cylinder gas engine. Students desiring information in steam-machinery operation were permitted to watch the firemen shovel coal and on rare occasions assisted the chief engineer in taking indicator cards from the old Corliss engine which furnished power for the school. The most popular courses were those taught in the drawing room on the fifth floor of the main building. Here the young ladies from the Department of Domestic Science attended classes in free-hand drawing.

After the Scientific Academy was closed and the coeds gradually eased out of the picture, the shops, laboratories, and power plant were developed to their present status. Curricula, however, were continually changed because of the rapid development in the art of mechanical engineering. At first stress was laid on shop work and specialized engineering subjects, with little attention to the so-called humanities. This was followed by a period of adjustment between engineering and cultural subjects until a balance was reached which appeared to meet the popular demand. At any rate Armour graduates experienced no difficulty in competing with those from other engineering schools.

At present the pendulum is swinging in the opposite direction, more stress is placed on the humanities and less on specialized engineering subjects, with a trend toward a single under-graduate course in engineering and science to be followed by graduate work in elective specialities. How far it will swing and what effect the changes will have on the qualifications of the graduates no one can predict. The Mechanical Engineering Department has always kept pace with the leading engineering schools and will continue to do so.

DEPARTMENT OF CIVIL ENGINEERING



Melville B. Wells

The Department of Civil Engineering is now in a period of adjustment to the changes in curriculum that have been made this year in order to give a freshman course uniform for all departments. Because of this there has been some decrease in the work required and a resultant shifting of teachers, but next year the faculty will be back on a full schedule of departmental subjects.

The 25 gallon per minute water filtration and treatment plant which was installed by the Civil Engineering Department last year has been improved by the addition of reaction basin "flocculator," dry chemical feeding devices, and laboratory equipment. The graduate students in the Civil Engineering Department specializing in Municipal and Sanitary Engineering are writing a thesis based on research experiments on this plant and relating to coagulation and sedimentation. The work started last year on "The Effect of Artificial Turbidity in the Treatment of Waters of Low Turbidity" was continued this year. The accuracy of results obtained has been increased by the installation of a carefully calibrated flow meter in the system.

A new plan was instituted this year to allow undergraduate students to become more familiar with the design and operation of water treatment plants. Small groups of students are instructed in the design and operation of the plant and then given an opportunity to operate the individual units and the complete system.

It is planned to start research work on the effect of increased reaction periods on settleability of floc in the fall of 1934.

The Department is planning a notable addition to its equipment for the course in astronomy. A glass disk seventeen inches in diameter has been purchased from the Corning Glass Works, and it may now be seen at the Planetarium. The offer of Professor Arthur Howe Carpenter to grind this disk for a reflector telescope has been accepted with the thanks of the Institute, and with due appreciation of the magnitude of the task. The work will probably take a year. Consideration is now being given to the mounting of the telescope. When completed it will be one of the large reflectors in the immediate Chicago area, and it will be a very important addition to our facilities.

The Armour branch of the Western Society of Engineers is having a very successful year. In addition to the usual lectures by prominent engineers, the Society has entered into joint meetings with other student sections with mutual benefit. Such meetings have been so successful that making them a feature of student engineering society activities seems worthy of consideration.

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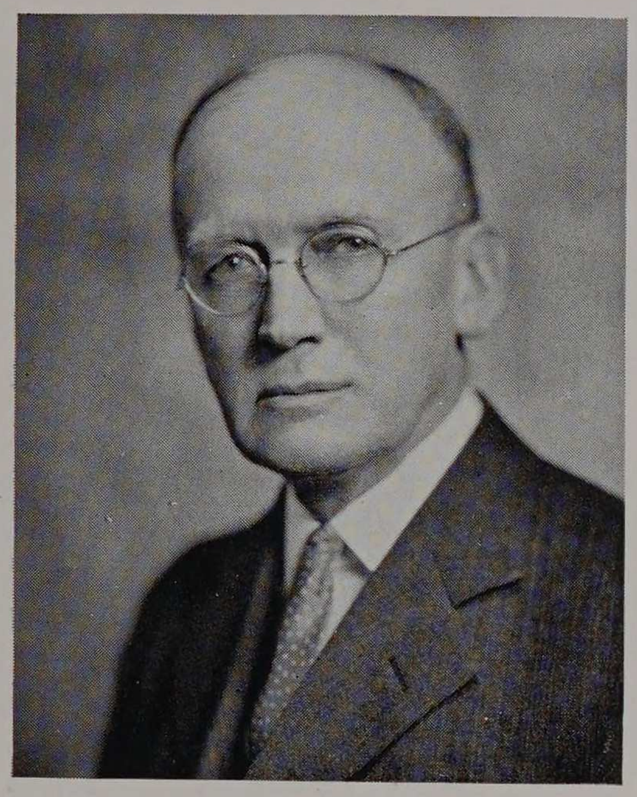
DEPARTMENT OF CIVIL ENGINEERING



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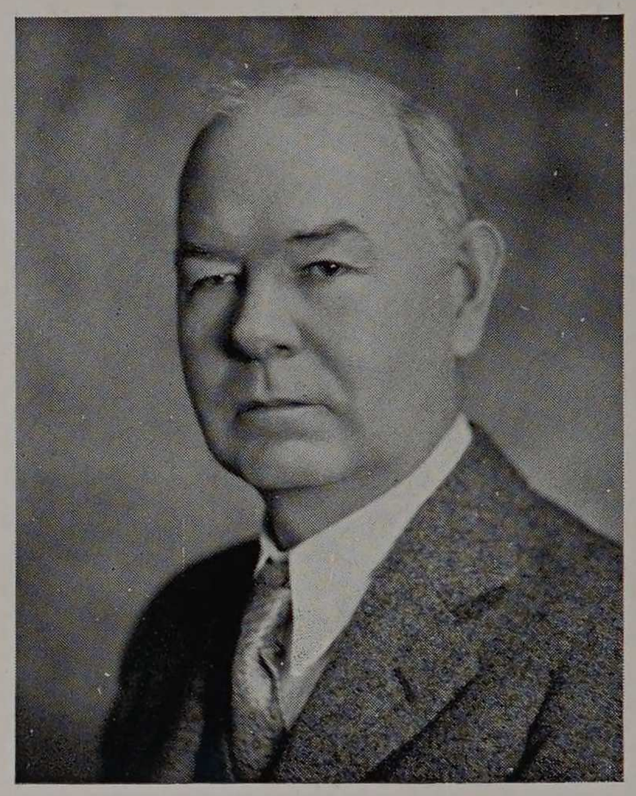
DEPARTMENT OF CHEMICAL ENGINEERING

The enrollment in the department of chemical engineering continues to increase, undoubtedly reflecting the position that the chemical industries find themselves in in the present economic picture. Graduate study, inaugurated last year, is being continued.



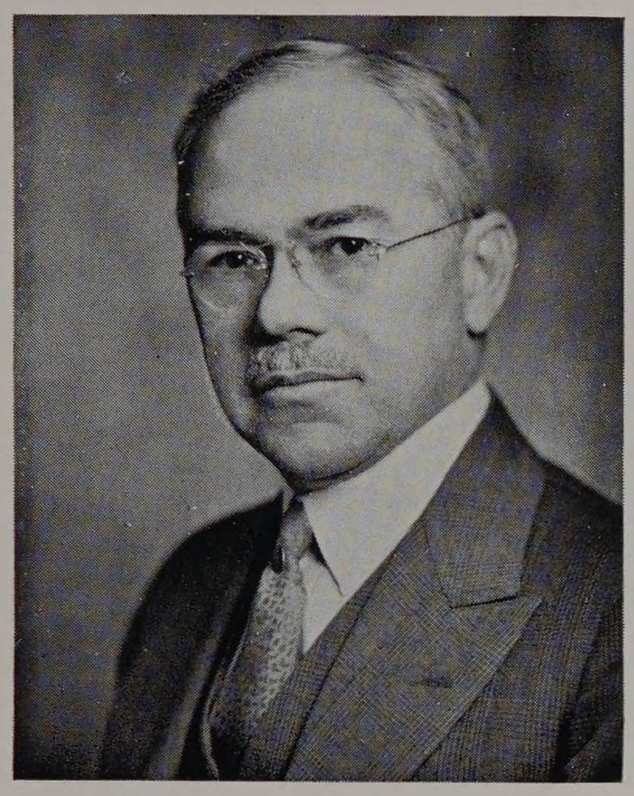
Harry McCormack

Considerable readjustment in the schedule of the department has become necessary because of the decision by the Institute to have a single curriculum for all first year students, and because of the further decision to transfer the laboratory course in physics from the third to the second year. First year students in this department previously received a separate course in chemistry. The new course is a general one which, in particular, places emphasis on the quantitative method of approach in the laboratory phase of instruction. The summer course, which students in this department previously have been required to take after the second year, is now scheduled to follow the first year. The introduction of physics laboratory into the second year necessitated the displacement of one of the chemistry courses from that year. Since quantitative analysis is necessary to develop the manual proficiency upon which subsequent laboratory instruction is based, and since this subject can be taught in concentrated form very satisfactorily, it was decided to transfer this subject into the summer. And in order not to require two summer courses and yet not drop the course in special methods of analysis, the two courses were combined into one of nine weeks' length.

Due to the general recognition of the fundamental importance of physical chemistry for all phases of chemical activity, the length of the laboratory course in this subject has been increased from one three-hour period for one semester to one such period for each of two semesters. The emphasis placed on this subject is now consistent with standard practice in this field. All of these subjects in pure chemistry lead naturally to the courses in chemical engineering which are the ultimate objective in this department.

The period of retrenchment has not yet expired, unfortunately. Yet some additions to the equipment and some modifications of the housing for the department have been necessitated by the increased enrollment. The metallurgy laboratory and the laboratory of physical chemistry have been progressively developed in accord with previously approved plans.

DEPARTMENT OF ELECTRICAL ENGINEERING



Ernest H. Freeman

No special gift of imagination is required in order to visualize the vast field of development which awaits the electrical engineer in the years which lie before us. The vacuum tube and electronic devices as elements in electrical circuits have alone established far horizons of their own—it being scarcely necessary, of course, to point out that there is hardly one of the older divisions of electrical engineering which does not afford unlimited opportunity for future research and for the constructive application of new principles and new methods of analysis.

These considerations provide a background for various adjustments which have been made in this Department during the year 1933-34—changes which reflect further progress in carrying out the spirit and the intention of the Armour Development Plan. New courses added to the curriculum were Engineering Analysis, for juniors, and Alternating Current Circuits, for seniors—both taught by Associate Professor Richardson. It is planned to extend these courses next year, and to increase the time allotted to them in order that the scope of the work can be correspondingly broadened.

The year also saw the inauguration of graduate work, and advanced courses offered graduate students included Transmission Lines, by Professor Freeman; Engineering Applications, by Professor Moreton; and Electricity and Magnetism, Alternating Current Networks, and Graduate Laboratory, by Associate Professor Richardson. Three graduate students enrolled in the Department were occupied with practical problems assigned them by Chicago industrial organizations. The tuition of two of the students was paid by the companies for which their thesis work was done. This plan of having the graduate students work upon problems provided by industry was frankly an experiment. Indications of its success are found, however, in the reactions of two of the sponsors. One of these has referred to his expenditure as an excellent investment, and one which he is anxious to repeat next year. A second was able to effect a substantial saving in one of his products as a result of work done in his behalf by the sponsored student.

The Department of Electrical Engineering looks forward today with eagerness, and it extends a cordial welcome to all students with whom it can share its enthusiasm for the scientific conquests which lie ahead.

DEPARTMENT OF FIRE PROTECTION ENGINEERING

Abnormal social and economic conditions have had their influence on the engineering professions, and on the fire insurance business, which is the major field of employment for fire protection engineers. During the past few months, improvement in general conditions and marked improvement in the affairs of the insurance companies are most encouraging. Ordinarily our graduates enter the employ of rating and inspection bureaus; a smaller number are engaged by insurance companies immediately after leaving school. In general, the companies recruit their engineering staffs from the bureaus. During the past few years when conditions were least favorable, practically all graduates of the department were employed; this fortunate condition, in the case of the more recent graduates, was due mainly to the scholarship plan. With better times, it is assumed that promotions and salary increases will be more rapid.

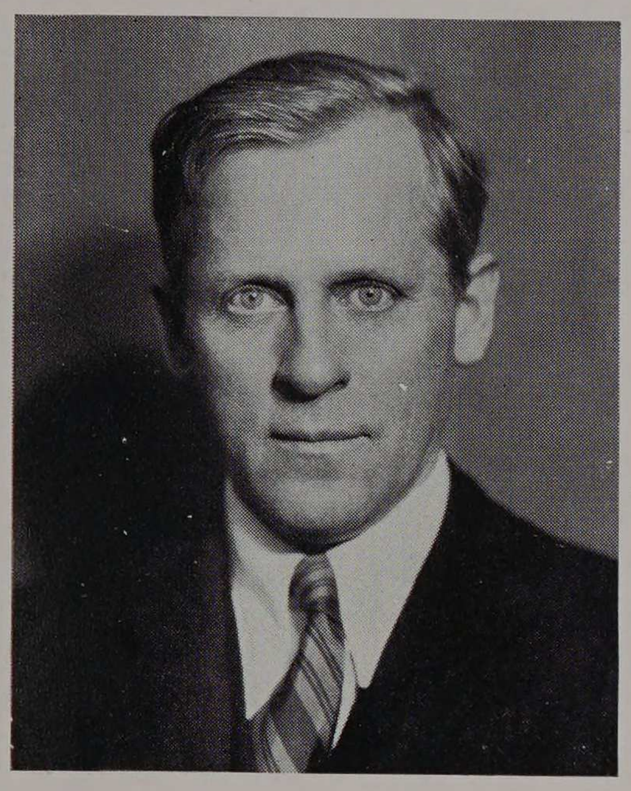
Beginning about thirty years ago there has been a continual increase in the tendency of the inspection bureaus to require that their inspectors shall have sound engineering training. Few men without such training are now on the inspection staffs. In nineteen states of the Middle West, inspectors who are Armour graduates are conspicuous by reason of their number and their good records. In the insurance companies, which are the primary organizations on which the whole elaborate structure of the business is based, there is a definite tendency to look to their engineering staffs for men who are to be promoted to positions of executive responsibility.



Joseph B. Finnegan

We regret the loss of one member of our faculty but we are fortunate in his successor. At the end of the first semester Charles P. Holmes, Assistant Professor of Fire Insurance, resigned from the faculty on account of a great increase in his duties as engineer for the Western Actuarial Bureau. During the past eight years Professor Holmes has been one of the most competent members of the Institute's staff. He has been succeeded by Kent H. Parker, who graduated from Armour in 1928 and received the degree of Fire Protection Engineer in 1933. He has had valuable experience with the General Inspection Bureau in Minnesota, with the Kentucky Actuarial Bureau, and with the Western Actuarial Bureau.

DEPARTMENT OF ARCHITECTURE



Earl H. Reed, Jr.

This year in the Architectural Department has been one of much activity among both students and faculty, due in great measure to the changes in curriculum inaugurated in the autumn of 1933. Many courses have been added or revised and others have been given new places in the schedule so that a better sequence might result.

In addition to new subjects given by the faculties of other departments, there has been added in the sophomore year a lecture course in Cultural Contacts by Mr. Lautz. The work in modeling has been enlarged in its scope to include casting of models, wood and stone carving. Descriptive Geometry, Shades and Shadows, and Perspective have been combined into one comprehensive course, all given in the department itself.

While the Century of Progress Fine Arts Exhibition was housed in the Art Institute, much interest was shown in the collection and in the gallery tours conducted for the students. Each succeeding exhibition in the galleries has aroused much comment and has left its impression on the department. The opening of the Howard Shaw Memorial Gallery of Architecture in the east wing of the Art Institute has been of interest to students and faculty alike.

With time spent by students on the F.E. R.A. rolls, the office and lecture room have been given a much needed freshening and rejuvenation and several other small improvements made. The department has been greatly benefited by the loan of a number of drawing boards, horses, and stools from the Foundation for Architecture and Landscape Architecture at Lake Forest. In addition, the department has received as a gift from the Curator of Decorative Arts of the Art Institute, several very fine examples of wrought iron by Samuel Yellin, the noted craftsman.

Among the architects visiting the department for criticism, judgment, or lecture during the scholastic year were Messers A. F. Adams, Edward H. Bennett, Pierre Blouke, John L. Hamilton, Frank B. Long, Ralph E. Milman, Francis Puckey, R. W. Root, Thomas E. Tallmadge, and Ernst VonAmmon. A series of lectures on the general aspects of their materials was given by representatives of the limestone, lumber, brick, and concrete industries.

Members of the architectural faculty have as usual carried on their professional work along with that of the department. Mr. Reed, in addition to holding office as president of the Chicago Chapter of the A.I.A., has been put in charge of the Northern Illinois District of the Historical Survey of Buildings sponsored by the C.W.A.

DEPARTMENT OF SCIENCE

The Department of Science is completing the second year of its existence at the Institute. The enrollment in the course has not been large, but the quality of students attracted to the work is indicated by the high scholastic standing maintained by them through two consecutive semesters of the three completed.

Important changes in policy and curricula have occurred in all divisions of the Institute during the past year. Many of these changes follow the principles upon which the curriculum of the Department of Science was originally based. We believed that but few students are capable of choosing wisely a future in a particular branch of engineering at the beginning of their first year in college. We also believed that more attention should be given to the humanities and less to certain types of practice courses. We stressed fundamentals in the earlier years of our course in Science and applied them in the later years.

Many of these basic principles have been made effective now in the college as a whole. The work of the first year has been remodeled so that it is the same for all divisions except Architecture, thus allowing students in the major divisions to defer their definite choice of a division until the beginning of the second year of their college life. New and extensive courses in the social sciences, English, and German have appeared in the curricula of all divisions as well as in Science.

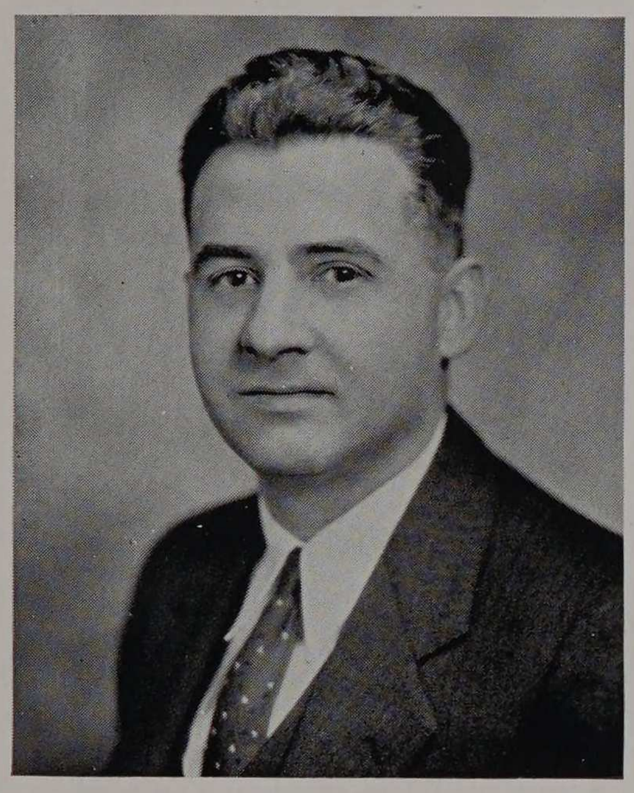


Charles E. Paul

We do not look upon these changes as departmental competition on the part of other major divisions in the college, but derive satisfaction in the belief that we were established on a sound basis from the start. In September, our first junior class will find subjects in physics and mathematics which are new to the Institute. The real divergence from the work of the engineering divisions begins at that time.

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

DEPARTMENT OF SOCIAL SCIENCE



Carman G. Blough

That many prominent engineers and industrial leaders in the community have seen recent engineering graduates handicapped by a lack of familiarity with other than strictly engineering subjects was clearly indicated in the study carried on by the Trustees of Armour Institute of Technology two years ago. It was a major recommendation of the program resulting from this study, therefore, that the curricula at Armour be extended to include a broader range of extra-engineering subjects. The department of Social Sciences was organized accordingly to supply instruction in subjects dealing with current policy and practice in business and social institutions.

At the close of its first year as a required unit in the curriculum, this new department has gained wide support among the students, members of the faculty, and alumni who have remained in close touch with its operation during the year. Courses offered by the department this year were "Business and Engineering Problems" for freshmen, and "Business Policy" and "Public Policy" for seniors.

Breaking away from the conventional study in economic theory which is given at most engineering colleges and which has been required here in past years, these new courses get down to cases. Students were required to work out some of the actual practical problems of financing, production, and management which the engineer must face in any enterprise. They were required to investigate at first hand such social problems as municipal courts, slum clearance, blight areas, and city ordinances relating closely to engineering projects, for the purpose of studying the day-to-day operation of organizations having a controlling influence in the engineering professions.

This direct approach found immediate acceptance among the students and contributed greatly to the success of the courses, which were organized specifically to meet the needs of Armour students, and are not duplicated at any other college of engineering in the country. Professor Carman G. Blough is in charge of the department. He was assisted in its organization and direction throughout the year by Professors H. P. Dutton, A. M. Hillhouse, and W. B. Lockling.

DEPARTMENT OF PHYSICS

The subject matter of physics has become so comprehensive in recent years that a one year course hardly seems adequate today in an engineering curriculum. It is necessary now to select those topics which relate the fundamental principles in the most useful way for the engineer.

During the past year in our general courses we have adopted the plan of instruction in small class groups. This plan allows a close contact with the instructor and continuity in developing the subject. In one demonstration lecture a week the leading class-room experiments are shown; discussion of the experiments and development of the theory are carried out in lectures and class groups.

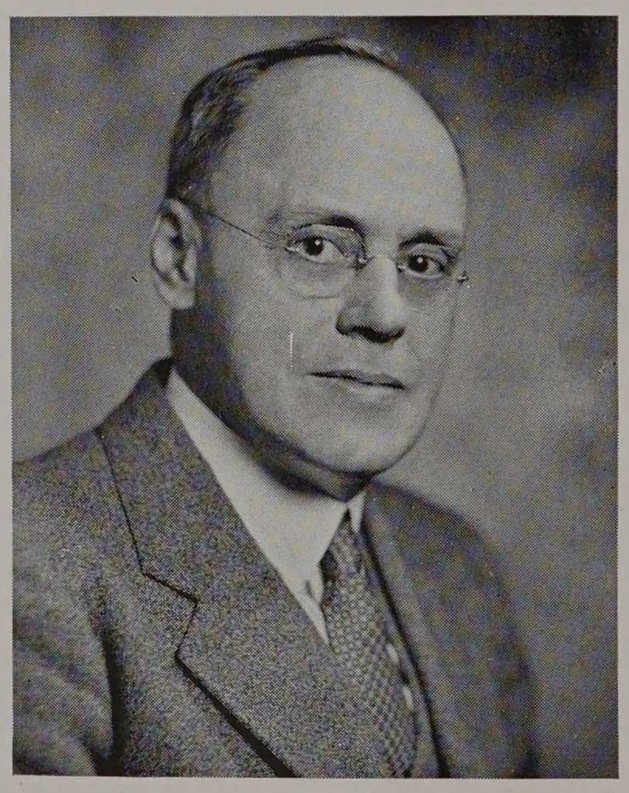
A number of inspection trips have been instituted this year including visits to the physics museum and the lighting institute.

There is a tendency toward a physics instructor becoming a sort of jack-of-all-trades. To avoid this each member of our department has his specialty which is offered in the form of an advanced course. These courses—Electronics, X-rays, Radio, and Optics are constantly being developed.



James S. Thompson

DEPARTMENT OF MATHEMATICS



William C. Krathwohl

The members of the department of mathematics extend their greetings to the alumni, students and friends of the Institute. Many of you have worked hard and conscientiously trying to gain a knowledge of mathematics, to think clearly and to reason logically. We trust that you have been rewarded, that you have found in mathematics a mode of thought and a form of expression both precise and universally applicable.

We have always felt that there is more to teaching than the mere transference of subject matter. We have tried to transmit to you some of the enthusiasm we have for our own subject, to broaden your horizon and to kindle whatever spark of genius you possess. We have tried to make you see how the interlacing framework of science must include not one subject but many, and to show you that engineering is a many sided structure of which mathematics is one phase.

If we have accomplished any of these things, our efforts will not have been in vain, and you will be that much better prepared to face life and its problems.

DEPARTMENT OF MECHANICS



Charles E. Paul

The present year has brought several important changes to the Department of Mechanics. The scope of the work has been enlarged by the installation of four new courses for undergraduate study, and one new course for graduate work. Specially arranged courses in analytical or engineering mechanics, as well as in mechanics of materials and hydromechanics, are now offered to students in Chemical Engineering, Architecture, and Science. The resulting increase in the teaching staff of the department has been met temporarily through the assistance of instructors from other departments.

This expansion of work in the department was made necessary by the many important changes in the curricula of the various major divisions of the Institute which were put into effect during the school year. The general tendency to put more emphasis on the fundamental subjects upon which technical education is based is becoming more apparent each year in the leading technical schools. This should bring about a closer degree of cooperation between the engineering divisions and the so-called "service departments" in these institutions.

DEPARTMENT OF ENGLISH

The Department of English this year offers a more extensive and a more progressive course of study than ever before.

Beginning with a survey of the principal types of literary creation, both classic and contemporary, as examples for clear, terse, and logical analysis and criticism, the student proceeds to a study of the methods of research and exposition, concluding with practice in the writing of commercial correspondence and engineering reports.

For those who ask for greater latitude, we offer special courses in the drama and the novel; and for those who are interested in writing, we provide opportunity in advanced courses.

Being vitally interested in all forms of student expression, the Department encourages students to write for the Institute publications, to take part in dramatics and stagecraft, and to develop their ability in public speaking. Courses in these subjects have met with an enthusiastic response.



Walter Hendricks

FACULTY CLUB

OFFICERS

F. U. Smith . . . . . Honorary President
D. P. Moreton . . . . . President
C. R. Swineford . . . . . First Vice-President
P. C. Huntly . . . . . Second Vice-President
S. M. Spears . . . . . Secretary
V. B. Teach . . . . . Treasurer

The Faculty Club is a place of retreat for the Officers and Faculty members of the Institute, when not actively engaged in the performance of their respective duties. It is the one general means of social contact available throughout the school year.

The club rooms are conveniently and centrally located on the ground floor of the Mission building, opposite the Student Union and Faculty Grill. The day by day activities of the Club center about five or six tables of Contract Bridge, a fully equipped billiard room and a reading room well supplied with current magazines. The contract bridge tables, whose players are under the general tutelage of Professor Perry, are scenes of intense activity and interest, particularly during the noon "hour". Billiards seem to have languished somewhat since the advent of bridge about two years ago, though there still remain a few loyal devotees. In the reading room there can generally be found a few readers deep in the study of Judge, Ballyhoo, and, it must be admitted, some more substantial publications. Besides those who participate in these more or less strenuous physical and mental preoccupations are to be found those who value the Club for its opportunity



The Christmas Party

FACULTY CLUB

COMMITTEES

House Committee
C. A. Nash, Chairman
H. Ensz
W. H. Seegrist
J. E. Snow

Loan Committee
B. B. Freud, Chairman
H. T. Heald
W. A. Spencer

Cigar Committee
R. V. Perry
E. Kelly
J. S. Thompson

Membership Committee
S. E. Winston, Chairman
W. J. Bentley
W. W. Colvert

for pure relaxation, expressed by the enjoyment of an easy chair in quiet contemplation, dreamy smoking or languid conversation.

The Club members are enjoying the much enlarged and beautified rooms and facilities which were completed something over a year ago as a result of the aggressive leadership of the then President Moreton and a group of enthusiastic club members who applied themselves soulfully and with much manual labor to the execution of their ambitious improvement plan.

Special social occasions of the club have been two evening dinner parties, served by the lunch room organization followed by entertainment features, the inspiration for which was largely due to the enterprise of Professor Moreton.

Shortly after the entrance of Dr. and Mrs. Hotchkiss upon the Armour scene, there blossomed out a Faculty Women's Club, comprising the wives of the Officers and Faculty of the Institute. This organization holds monthly luncheons and meetings and sponsors numerous other social activities among groups of the faculty women, with an occasional gathering in which the faculty men are included.



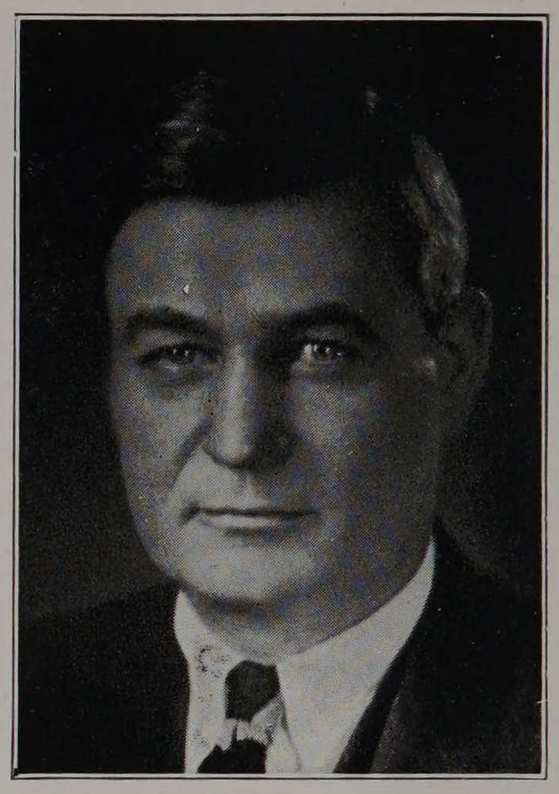
A Faculty Quartet

ARMOUR ALUMNI ASSOCIATION

The spring banquet of the Alumni Association of Armour Institute of Technology was held June 2, 1933, at the Union League Club. Alumni Awards were made to Alfred S. Alschuler and Howard L. Krum for distinguished accomplishment in their professions. Harold W. Munday received the Alumni Key for rendering valuable service to the Alumni Association. Roy W. Carlstrom, a member of the graduating class, received the Alumni Award for exemplifying the ideal "Armour Tech" man in his college activities and scholastic record. Short talks were made by Harold Munday, James Cunningham, chairman of the board of trustees, John J. Schommer, and President Willard E. Hotchkiss, who was the principal speaker.

During the year, President Hotchkiss, Dean Heald, and Professor Schommer addressed smaller alumni groups at Milwaukee, Chicago, St. Louis, and Indianapolis. These talks served to increase alumni interest in college activities and to further the solidarity of the alumni group.

The winter meeting of the association was held December 26, 1933, at the University Club of Chicago. The attendance was disappointing, and so it was decided to abandon the idea of meeting during the Christmas holidays. This meeting probably will be held in the future sometime in November. It has been difficult to



John J. Schommer

OFFICERS

John J. Schommer
President

Frederick C. Huechling
Vice-President

David P. Moreton
Secretary-Treasurer

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



David P. Moreton

ALUMNI
ADVISORY COUNCIL

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

ALUMNI TRUSTEES

Alfred S. Alschuler '99
Alfred L. Eustice '07
Robert B. Harper '05
Roy M. Henderson '02
Edwin O. Griffenhagen '06
Charles W. Hills, Jr. '11
Howard L. Krum '06
Harold W. Munday '23
John J. Schommer '12

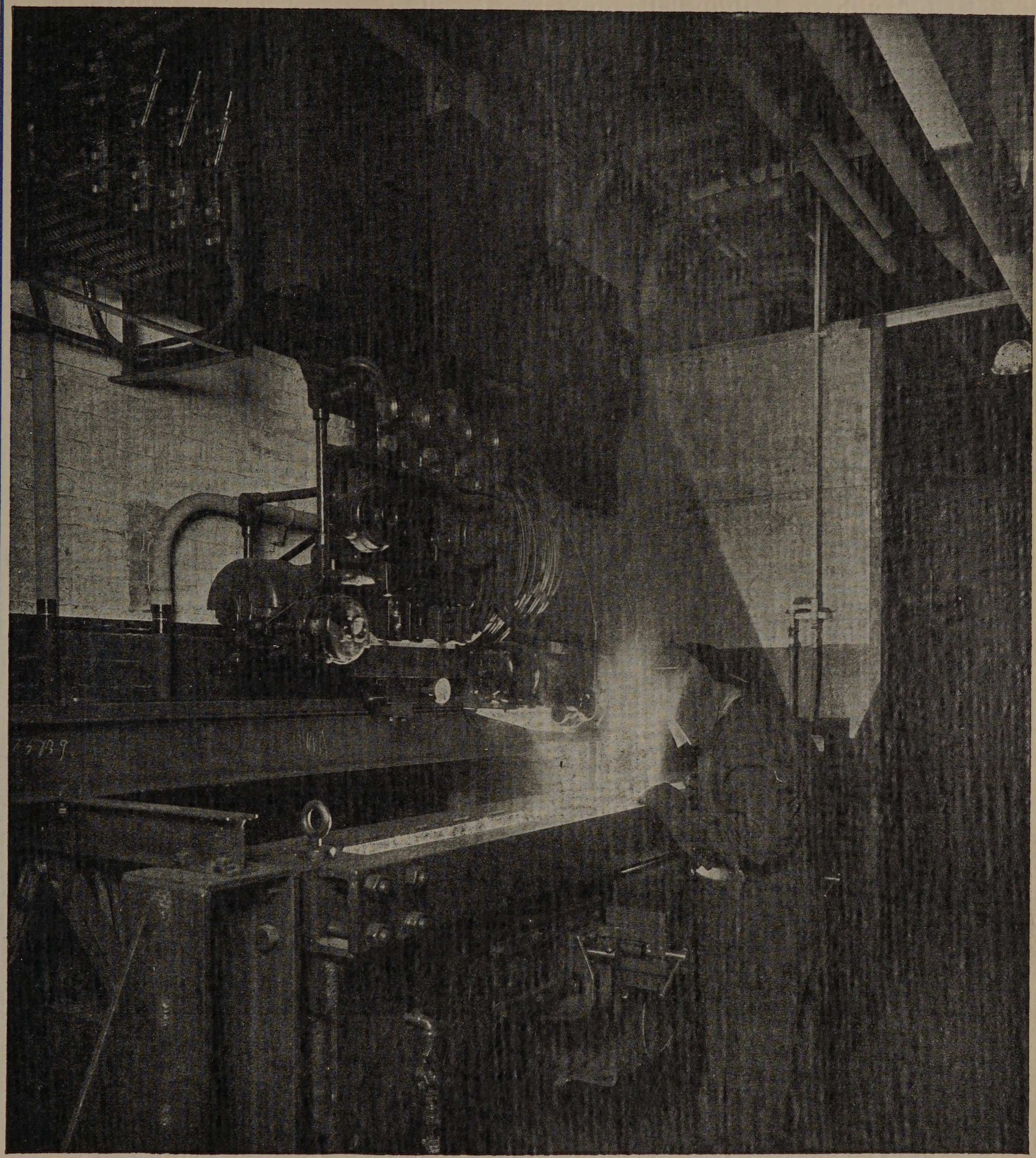
gather the alumni for any banquet during the bottom of the depression. As it now appears that this country is rapidly emerging from its gloom, efforts will be made to use every means to foster a big turnout for the June, 1934, meeting at which time the class of 1909 will celebrate its twenty-fifth anniversary.

The placement department at the "Tech" is closely allied to the alumni. It was organized as part of the development program to assist graduates and alumni in finding satisfactory employment. It is its business to maintain contacts with employers seeking engineering help. Many hundreds of young men were placed in positions by the aid of this bureau. It also served as a frequent meeting place of the younger "grads" and kept them in closer touch with not only the college but with each other and thus aided in developing an admirable spirit of helpfulness.

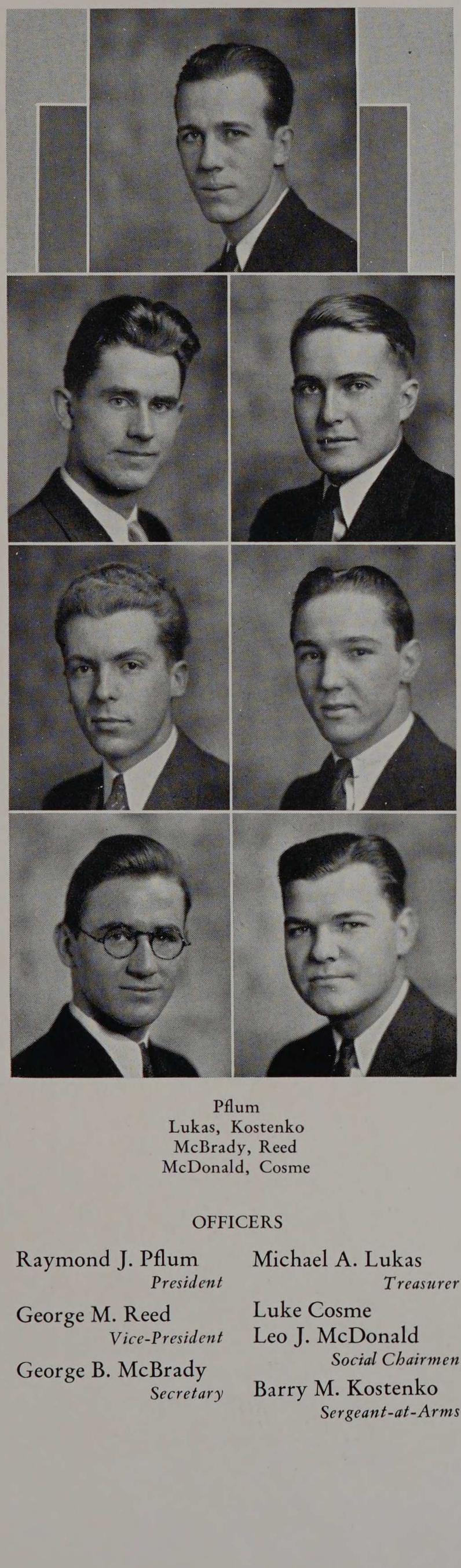
The alumni lost two of its outstanding members by death, Jacob M. Spitzglass, '09, vice-president of the Republic Flow Meters Company, and Myron B. Reynolds, '06, city engineer for Chicago. Both of these men had long and successful engineering careers and were widely known by the alumni. Their loss will be keenly felt and mourned by all who had the pleasure of knowing these two loyal sons of Armour Institute of Technology.



CLASSES



Telephones have become so common as a means of transmitting messages that most of us think little of the tremendous task of keeping these servants in constant operation or of the industry built up to manufacture the equipment required for operation. The above shows an electric welder for manufacturing steel cases for telephone loading coils in the Western Electric Company's Plant.



Pflum
Lukas, Kostenko
McBrady, Reed
McDonald, Cosme

OFFICERS

Raymond J. Pflum
President

Michael A. Lukas
Treasurer

George M. Reed
Vice-President

Luke Cosme
Leo J. McDonald
Social Chairmen

George B. McBrady
Secretary

Barry M. Kostenko
Sergeant-at-Arms

SENIORS

It is but a few years since a band of young men ascended the steps of Armour Institute of Technology to obtain a knowledge of engineering and related subjects. As we call to mind the happenings of our first year, it seems now to have consisted of orienting ourselves to the new surroundings and compelling some recognition from the other classes.

The second year, we now recall with a smile, as we recite with a certain rhythm the principal subjects encountered, grappled with, and finally dominated. While struggling still harder than the previous year we knew that we were progressing and the obstacles did not seem so hopelessly great.

Upon reaching the next marker we realized with both surprise and satisfaction that the long road ahead was more than half traversed. The peak—graduation—seemed not far distant and became more of a reality. The events of the year were brought to a close quite fittingly with Junior Week and the Junior Prom.

Almost before we were aware of it, we reached the senior year. Of the social events in the year, first came the Senior Informal. Other class dances, interclass activities, teams, and organizations also occupied our time. Lastly came the Baccalaureate Sermon and Commencement. This last occasion marked the attainment of our first objective in engineering, the goal for which we set out as freshmen.

SENIOR COMMITTEES

JEWELRY
Joseph A. Bacci
Chairman
Lawrence Frateschi
Frank W. Koko
Alvezio J. Morelli
Daniel J. Mullane
Robert P. Nelson
Willis E. Robinette

JACKET
Stephen M. Lillis
Chairman
James C. Castanes
Arthur J. Cohrs
Bernard N. Gibson
Glen F. Graham
George J. Mayer
Carl H. Sachs

PHOTOGRAPHY
Thomas C. Peavey
Chairman
Robert H. Cheatham
Francis F. Headen
Herbert P. A. Raschke
Willis E. Robinette
Louis H. Streb

ANNOUNCEMENT
Roy Ekroth
Chairman
Andrew J. Anderson
John J. Bachner
John L. Brenner
Clarence Clarkson
Eric H. Smith

CAP AND GOWN
Earl W. Gosswiller
Chairman
Loy A. Callen
Clarence Huetten
Theodore H. Irion
Charles P. Kuffel
Peter P. Polko

SOCIAL
Leo J. McDonald
Luke Cosme
Chairmen
Bernard N. Gibson
Peter A. Machinis
Frank A. Quinnell
Robert W. Suman
Curtis W. Thomas

Ader, John R.

Pittsburgh, Pa.

B.S. in Electrical Engineering

Franklin High School, Murraysville, Pa. Glee Club 3, 4; Armour Players 4; A.I.E.E. 4; Armour Tech News 3, 4.

Adreani, Arthur J.

Chicago, Ill.

B.S. in Architecture

Lane Technical High School, Chicago, Ill. Scarab; A.A.S. 1, 2, 3, 4.

Adrean, George H.

Chicago, Ill.

B.S. in Fire Protection Engineering

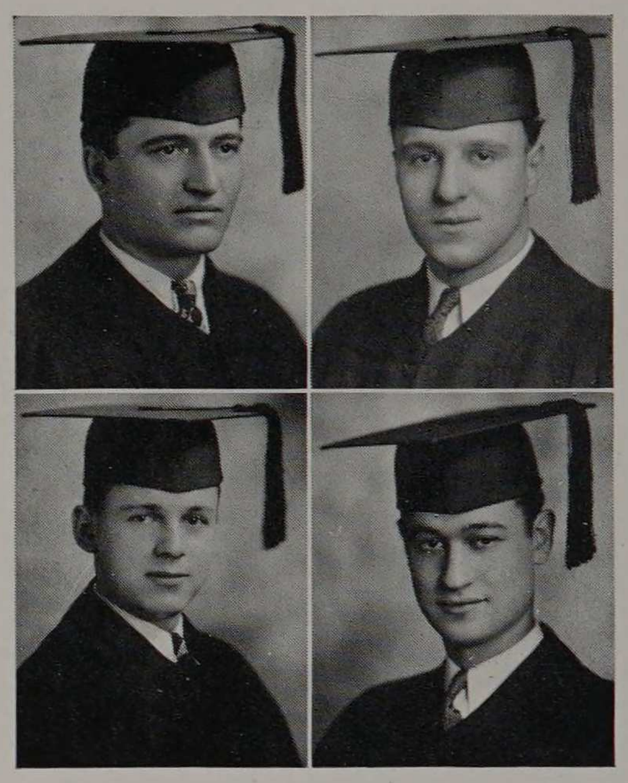
Crane Technical High School, Chicago, Ill. Campus Club 4; F.P.E.S. 2, 3, 4; Armour Engineer 3, 4; Glee Club 1.

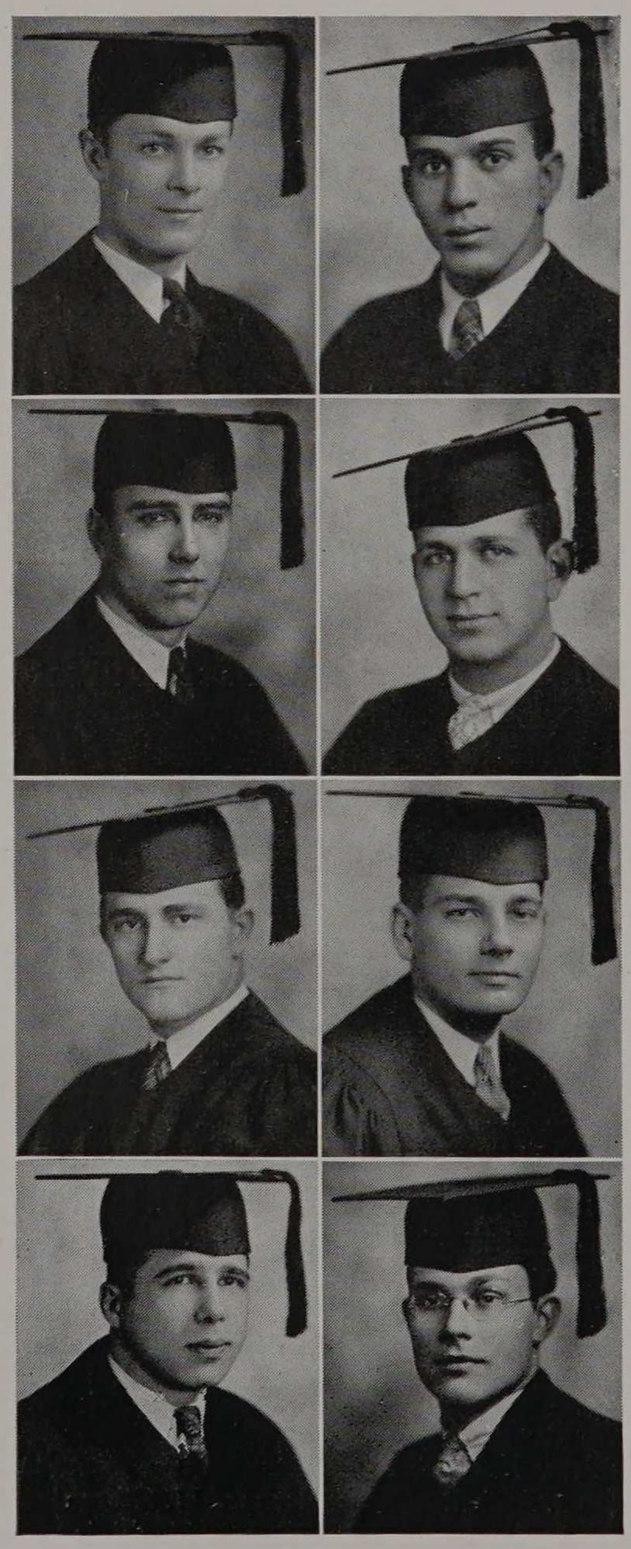
Anders, Archie

Chicago, Ill.

B.S. in Mechanical Engineering

Crane Technical High School, Chicago, Ill. Rho Delta Rho; A.S.M.E. 3, 4; Boxing 3; Wrestling 3.





Anderson, Andrew J.

Chicago, Ill.

B.S. in Fire Protection Engineering

Lane Technical High School, Chicago, Ill. Tau Beta Pi; Salamander; F.P.E.S. 2, 3, 4, President 4; Boxing 4; Interclass Basketball 2, 3, 4.

Bacci, Joseph A.

Chicago, Ill.

B.S. in Civil Engineering

Lane Technical High School, Chicago, Ill. Honor A Society; W.S.E. 2, 3, 4; Boxing 1, 2, 3, 4, Manager 4; Interclass Baseball 1; Class Vice-President 3; Chairman Jewelry Committee 4; Cheerleader 3, 4.

Bachner, John J.

Chicago, Ill.

B.S. in Chemical Engineering

St. Ignatius High School, Chicago, Ill. Triangle; Glee Club 1, 2; A.I.Ch.E. 2, 3, 4; Track 3, 4; Interclass Track 3; Armour Tech News 1; Announcement Committee 4.

Bloom, Arthur

Chicago, Ill.

B.S. in Architecture

Tilden Technical High School, Chicago, Ill. University of Chicago; A.A.S. 1, 2, 3, 4.

Brenner, John L.

Oswego, N. Y.

B.S. in Mechanical Engineering

New Trier Township High School, Winnetka, Ill. Theta Xi; Sphinx; Pi Nu Epsilon, President 4; Orchestra 1, 2, 3, 4; Glee Club 2, 3, 4, President 4; Armour Players 4; A.S.M.E. 2, 3, 4; Cycle 2, 3, Social Editor 3; Armour Engineer 2, 3, 4, Associate Editor 4; Announcement Committee 4.

Broockman, Mearl W.

Chicago, Ill.

B.S. in Fire Protection Engineering

Bowen High School, Chicago, Ill. F.P.E.S. 3, 4; Swimming 2.

Brusa, Karl

Chicago, Ill.

B.S. in Civil Engineering

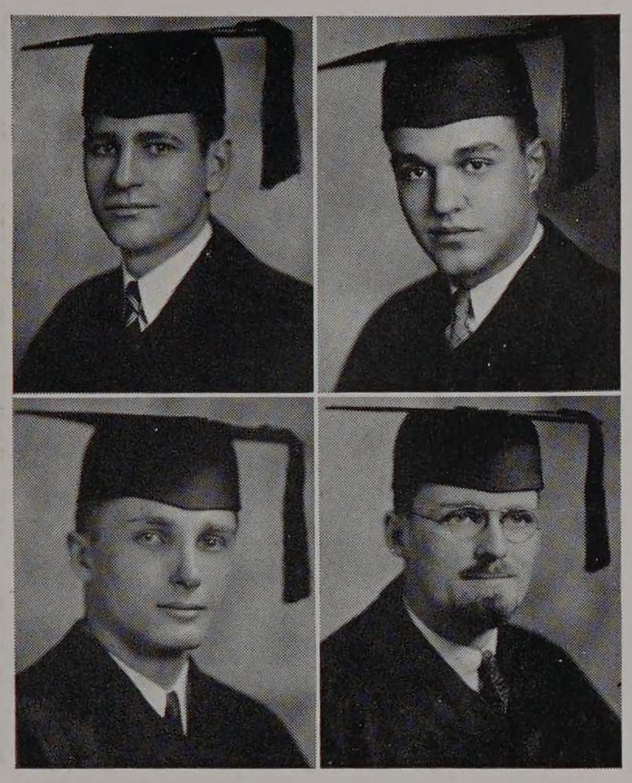
Morgan Park Military Academy, Chicago, Ill.

Burson, William W.

Chicago, Ill.

B.S. in Chemical Engineering

Worcester Academy, Worcester, Mass. Yale University, New Haven, Conn. Beta Psi; Swimming 3, 4.



Callen, Loy A.

Chicago, Ill.

B.S. in Civil Engineering

Austin High School, Chicago, Ill. Phi Pi Phi; Truss Club, President 3; W.S.E. 2, 3, 4; Track 3, 4; Interclass Track 3, 4; Class Social Chairman 1; Class Secretary 2; Social Committee 2; Cap and Gown Committee 4.

Castanes, James C.

Chicago, Ill.

B.S. in Civil Engineering

Lane Technical High School, Chicago, Ill. Phi Pi Phi; W.S.E. 3, 4; Boxing 2, 3, 4, Manager 4; Interclass Baseball 1; Jacket Committee 4.

Chadwick, Donald N.

Chicago, Ill.

B.S. in Electrical Engineering

Roosevelt High School, DesMoines, Iowa; Sphinx; A.I.E.E. 3, 4; Engineer 3, 4; Cycle 3, 4, Social Editor 4; Class Social Committee 1; Class Secretary 3.

Cheatham, Robert H.

Columbia, S. C.

B.S. in Architecture

Durham High School, Durham, N. C. University of North Carolina, Chapel Hill, N. C. Chi Psi; Scarab; A.A.S. 1, 2, 3, 4; Class President 1; Photography Committee 4.

Clarkson, Clarence W.

Chicago, Ill.

B.S. in Electrical Engineering

Nicholas Senn High School, Chicago, Ill. Pi Nu Epsilon 3, 4; Armour Players 3, 4; Glee Club 1, 2, 3, 4; Musical Clubs, President 4; A.I.E.E. 3, 4; Tech News 3, 4, Business Manager 4; Board of Publications 4; Announcement Committee 4.

Cohan, Theodore R.

Chicago, Ill.

B.S. in Electrical Engineering

Englewood High School, Chicago, Ill. Rho Delta Rho, President 3, 4; A.I.E.E. 3, 4.

Cohrs, Arthur J.

Forest Park, Ill.

B.S. in Chemical Engineering

Proviso Township High School, Maywood, Ill. Triangle; A.I.Ch.E. 3, 4; Jacket Committee 4.

Colburn, Norman E.

Gary, Ind.

B.S. in Civil Engineering

Orange High School, Orange, Texas. Theta Xi; Black Knight; Tau Beta Pi, President 4; Chi Epsilon; Sphinx, President 4; Musical Clubs 1, 2, 3, 4; Orchestra 1, 2, 3, 4; Band 1, 2, 3; W.S.E. 3, 4; Tennis Manager 4; Tech News 1, 2, 3, 4, Associate News Editor 3, Editor-in-Chief 4; Interhonorary Council, President 4; Board of Publications 4; Assistant Junior Marshal 3.

Cosme, Luke, Jr.

Chicago, Ill.

B.S. in Civil Engineering

Tilden Technical High School, Chicago, Ill. Sigma Kappa Delta; W.S.E. 1, 2, 3, 4; Baseball 1, 2, 3, 4; Boxing 4; Interclass Basketball 1, 2, 3, 4; Interclass Baseball 1, 2, 3, 4; Class Social Chairman 4.

Cramer, John A.

Chicago, Ill.

B.S. in Civil Engineering

De Paul Academy, Chicago, Ill. Campus Club 3, 4, President 4; Chess Club 3, 4; Rifle Club 1; Baseball 1; Engineer 3, 4.

Cunningham, Charles A.

Maywood, Ill.

B.S. in Fire Protection Engineering

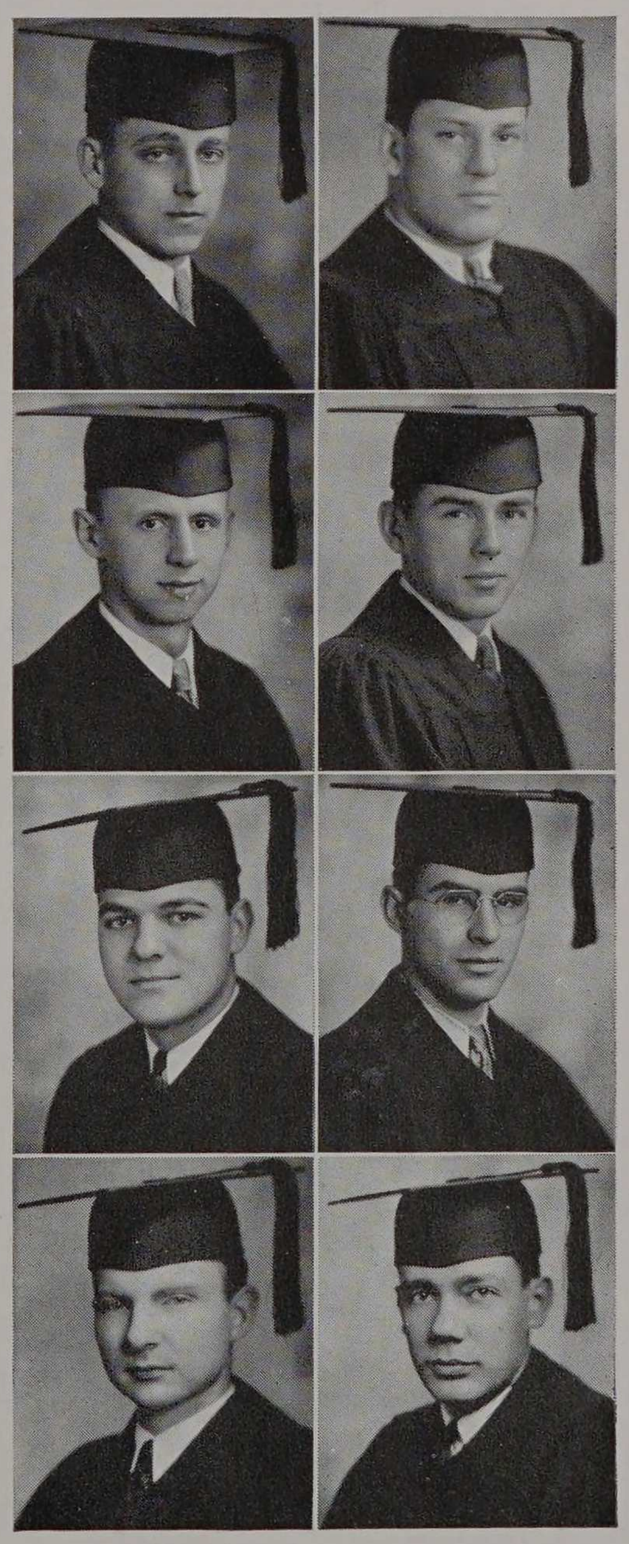
Proviso Township High School, Maywood, Ill. Salamander, President 4; Pi Nu Epsilon; Orchestra 1, 2, 3, 4; Band 2, 3, 4; F.P.E.S. 1, 2, 3, 4; Honor Marshall 1, 2, 3; Interclass Track 4; Interhonorary Council 4.

Dahlgren, Carl E.

Chicago, Ill.

B.S. in Mechanical Engineering

Eskilstuna High School, Eskilstuna, Sweden. Pi Tau Sigma; A.S.M.E. 2, 3, 4.

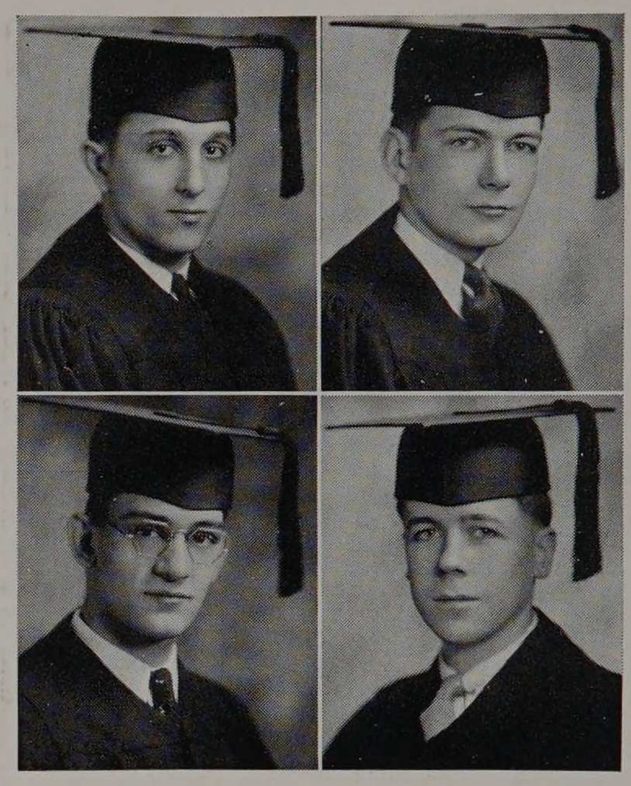


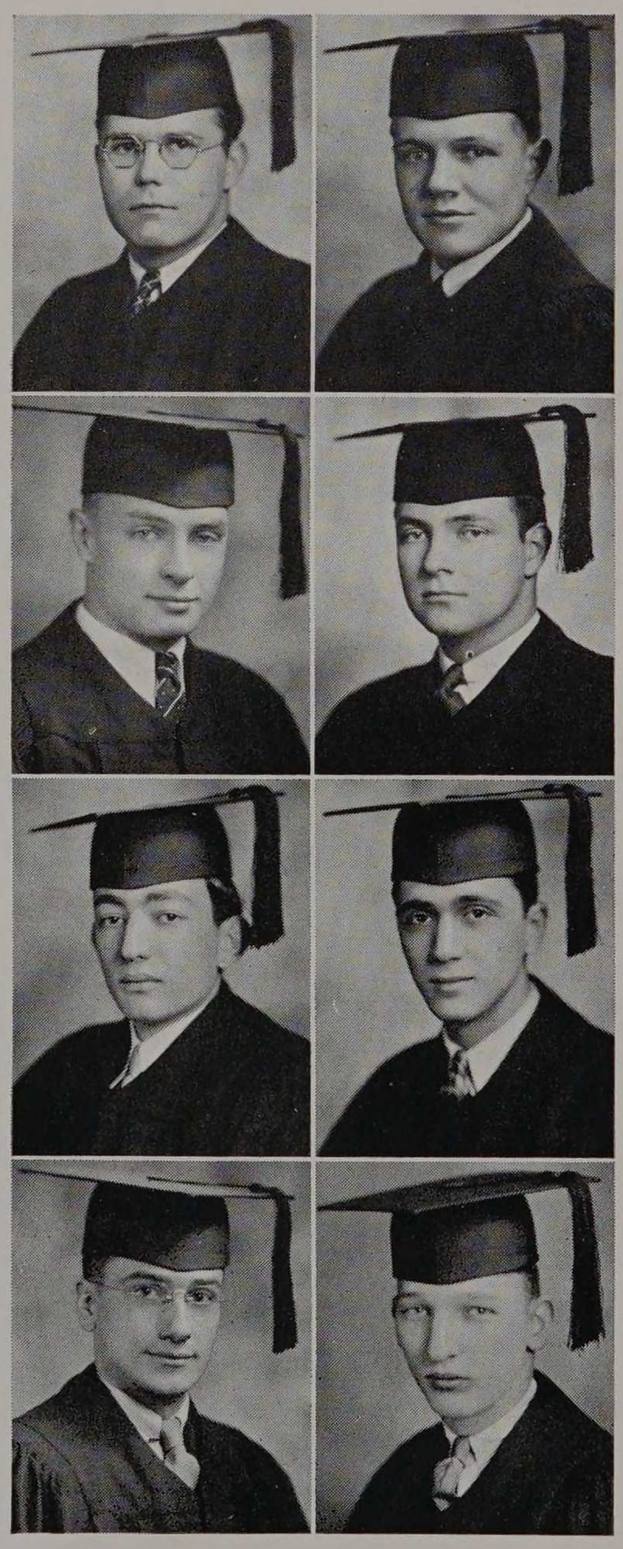
D'Alba, Louis
Chicago, Ill.
B.S. in Civil Engineering
Tilden Technical High School, Chicago, Ill. Rho Delta Rho; W.S.E. 3, 4.

Davidson, Harold W. A.
Chicago, Ill.
B.S. in Civil Engineering
Nicholas Senn High School, Chicago, Ill. Black Knight; Chi Epsilon; Sphinx; Pi Nu Epsilon; Musical Clubs 1, 2, 3, 4; Orchestra 1, 2, 3, 4, President 4; W.S.E. 3, 4; Basketball Manager 4; Tech News 1, 2, 3, 4, Managing Editor 4; Cycle 2, 3, Sports Editor 3; Engineer 3; Interhonorary Council 4; Board of Publications 4.

Davison, Stephen P.
Chicago, Ill.
B.S. in Fire Protection Engineering
Hyde Park High School, Chicago, Ill. Crane Jr. College, Chicago, Ill. F.P.E.S. 1, 2, 3, 4; Swimming 1, 2, 3, 4.

Dickey, Diamond S.
Chicago, Ill.
B.S. in Mechanical Engineering
Tilden Technical High School, Chicago, Ill. Armour Players 3, 4; A.S.M.E. 3, 4; Tech News 3.





Dobson, Ronald P.
North Battleford, Saskatchewan, Can.
B.S. in Fire Protection Engineering
North Battleford Collegiate Institute, North Battleford, Saskatchewan, Can. Crane Jr. College, Chicago, Ill. Phi Kappa Sigma; Pi Nu Epsilon; Musical Clubs 2, 3, 4; Glee Club 2, 3, 4; Rifle Club 4; F.P.E.S. 2, 3, 4.

Eberly, Kenneth C.
Chicago Heights, Ill.
B.S. in Chemical Engineering
Bloom Township High School, Chicago Heights, Ill. Alpha Chi Sigma; Phi Lambda Upsilon; A.I.Ch.E. 3, 4.

Egloff, Frank S., Jr.
Riverside, Ill.
B.S. in Mechanical Engineering
Riverside-Brookfield High School, Riverside, Ill. Rifle Club 3, 4; A.S.M.E. 2, 3, 4.

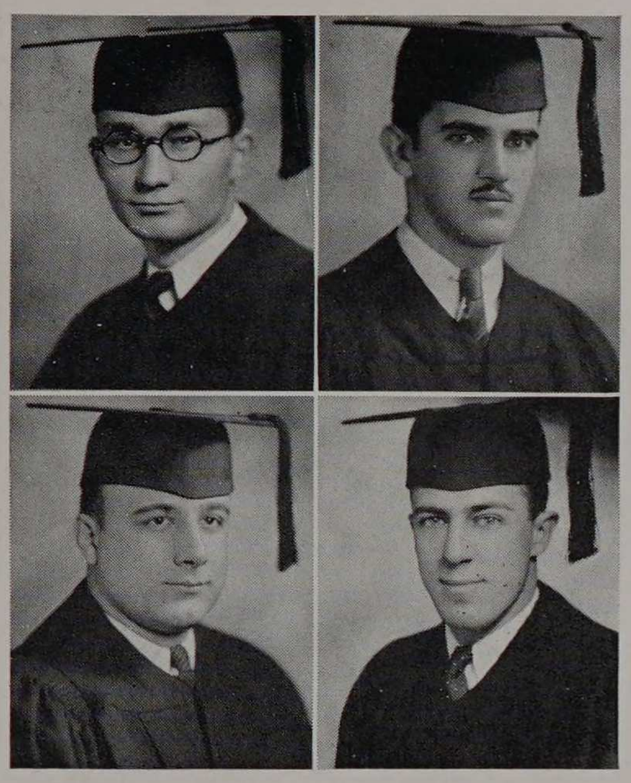
Ekroth, Roy A.
Chicago, Ill.
B.S. in Architecture
Lane Technical High School, Chicago, Ill. Triangle; Scarab, President, 4; Pi Nu Epsilon; Musical Clubs 2, 3, 4; Orchestra 1, 2, 3, 4; Band 2; Stresses and Strains 1, 2; A.A.S. 1, 2, 3, 4; Track 3; Assistant Junior Marshall 3; Social Committee 3; Announcement Committee, Chairman 4.

Feldman, Harold H.
Chicago, Ill.
B.S. in Civil Engineering
Marshall High School, Chicago, Ill. Rho Delta Rho; Rifle Club 1, 2; Chess Club 2; Philatelic Society 3; Glee Club 1, 2, 3; Boxing 4.

Ferrara, Joseph A.
Cicero, Ill.
B.S. in Mechanical Engineering
McKinley High School, Chicago, Ill. Rifle Club 2; A.S.M.E. 4; Boxing 3, 4.

Finlay, Samuel
Chicago, Ill.
B.S. in Mechanical Engineering
Hyde Park High School, Chicago, Ill. Glee Club 4; Armour Players 2, 3, 4; A.S.M.E. 4.

Fleissner, Raymond A.
Chicago, Ill.
B.S. in Civil Engineering
Tilden Technical High School, Chicago, Ill. Black Knight; Tau Beta Pi; Chi Epsilon; Sphinx; Pi Nu Epsilon; Musical Clubs 2, 3, 4; Orchestra 2, 3, 4; W.S.E. 3, 4; Track 3, 4; Interclass Track 3, 4; Interclass Relays 3; Tech News 2, 3, 4, Sports Editor 4; Engineer 2, 3.



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

Flyer, Harry M.
Chicago, Ill.
B.S. in Architecture
Harrison Technical High School, Chicago, Ill. A.A.S. 1, 2, 3, 4; Interclass Basketball 4; Tech News 1.

Frateschi, Lawrence
Chicago, Ill.
B.S. in Electrical Engineering
Lane Technical High School, Chicago, Ill. Black Knight; Honor A; Track 2, 3, 4; Junior Marshal 3.

Freitag, William C.
Chicago, Ill.
B.S. in Fire Protection Engineering
Senn High School, Chicago, Ill. F.P.E.S. 1, 2, 3, 4; Boxing 4.

Gault, Theodore C.
Chicago, Ill.
B.S. in Electrical Engineering
Parker High School, Chicago, Ill. Crane Junior College, Chicago, Ill. Glee Club 2; A.I.E.E. 2, 3, 4.

Gerhardt, Herman O.
Chicago, Ill.
B.S. in Architecture
Bowen High School, Chicago, Ill. Scarab; A.A.S. 1, 2, 3, 4.

Gibian, Francis M.
Chicago, Ill.
B.S. in Mechanical Engineering
Mound High School, Mound, Minn. Delta Tau Delta; A.S.M.E. 4; Engineer 2, 4, Humor Editor 2, 4.

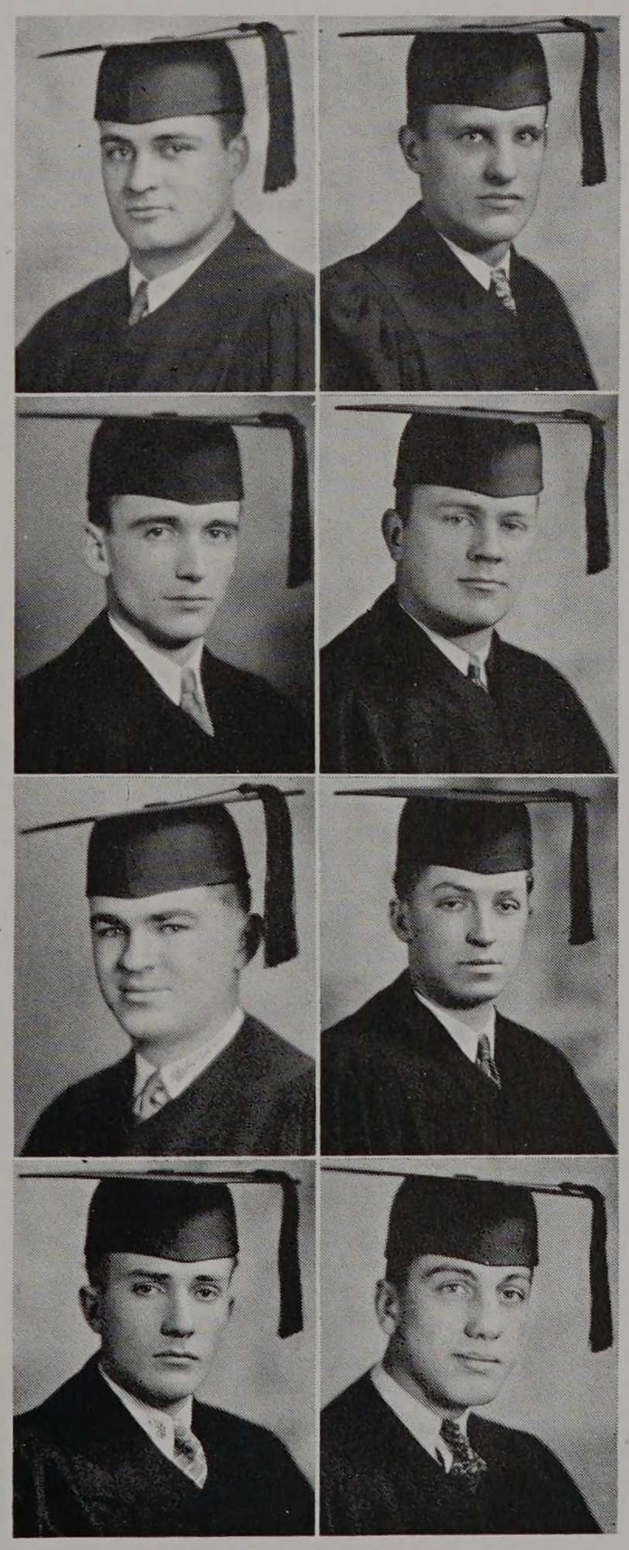
Gibson, Bernard N.
Chicago, Ill.
B.S. in Architecture
Roosevelt High School, Chicago, Ill. A.A.S. 1, 2, 3, 4; Class Social Committee 4.

Gilmore, William R.
Chicago, Ill.
B.S. in Electrical Engineering
Benton Township High School, Benton, Ill. University of Illinois, Urbana, Ill. Sigma Chi; Tu Mas; A.I.E.E. 4.

Gosswiller, Earl W.
Highland Park, Ill.
B.S. in Mechanical Engineering
Deerfield Shields High School, Highland Park, Ill. Tau Beta Pi; Pi Tau Sigma, President 4; Engineer 3, 4, Reviews Editor 4; Honor Marshall 2, 3; Cap and Gown Committee, Chairman 4; Interhonorary Council 4.

Graham, Glen F.
Oak Park, Ill.
B.S. in Electrical Engineering
Oak Park High School, Oak Park, Ill. Eta Kappa Nu; Glee Club 3, 4; Social Committee 2; Jacket Committee 4.

Gundersen, Walter E.
Chicago, Ill.
B.S. in Chemical Engineering
Lane Technical High School, Chicago, Ill. Phi Lambda Upsilon, President 4; Alpha Chi Sigma, President 4; Orchestra 2, 3; Band 2, 3; A.I.Ch.E. 2, 3, 4; Interhonorary Council 4; Assistant Junior Marshal 3; Honor Marshal 2, 3.



Hanes, George A.

Chicago, Ill.

B.S. in Mechanical Engineering

Parker High School, Chicago, Ill. Phi Pi Phi; Rifle Club 3, 4; A.S.M.E. 3, 4.

Hanson, Bertil

Chicago, Ill.

B.S. in Mechanical Engineering

Lane Technical High School, Chicago, Ill. Theta Xi; Tech News 2, 3; Engineer 3, 4; Track 3, 4; Interclass Track 4.

Harwood, Richard E.

Chicago, Ill.

B.S. in Fire Protection Engineering

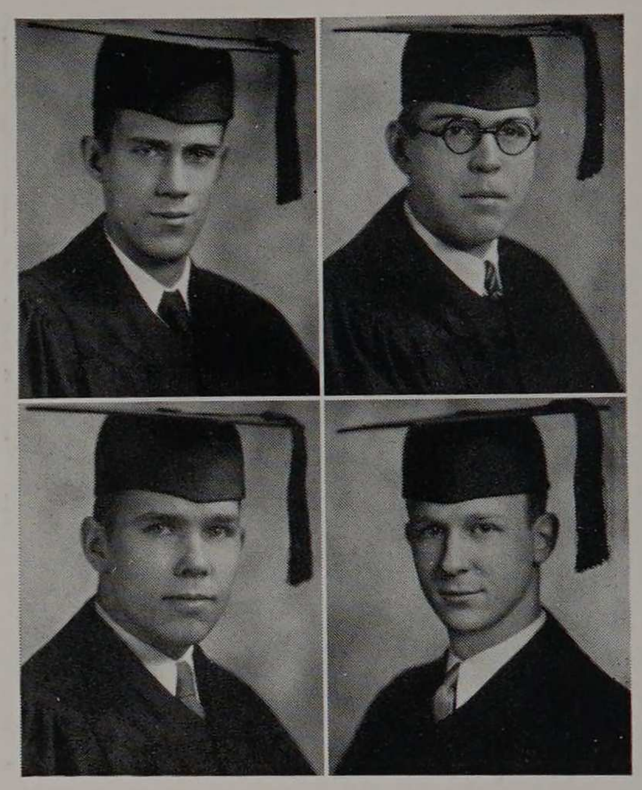
Tilden Technical High School, Chicago, Ill. Campus Club 2, 3, 4; Glee Club 1; Rifle Club 3, 4; F.P.E.S. 2, 3, 4; Engineer 2, 3, 4; Rifle Team 2, 3, 4, Manager 4.

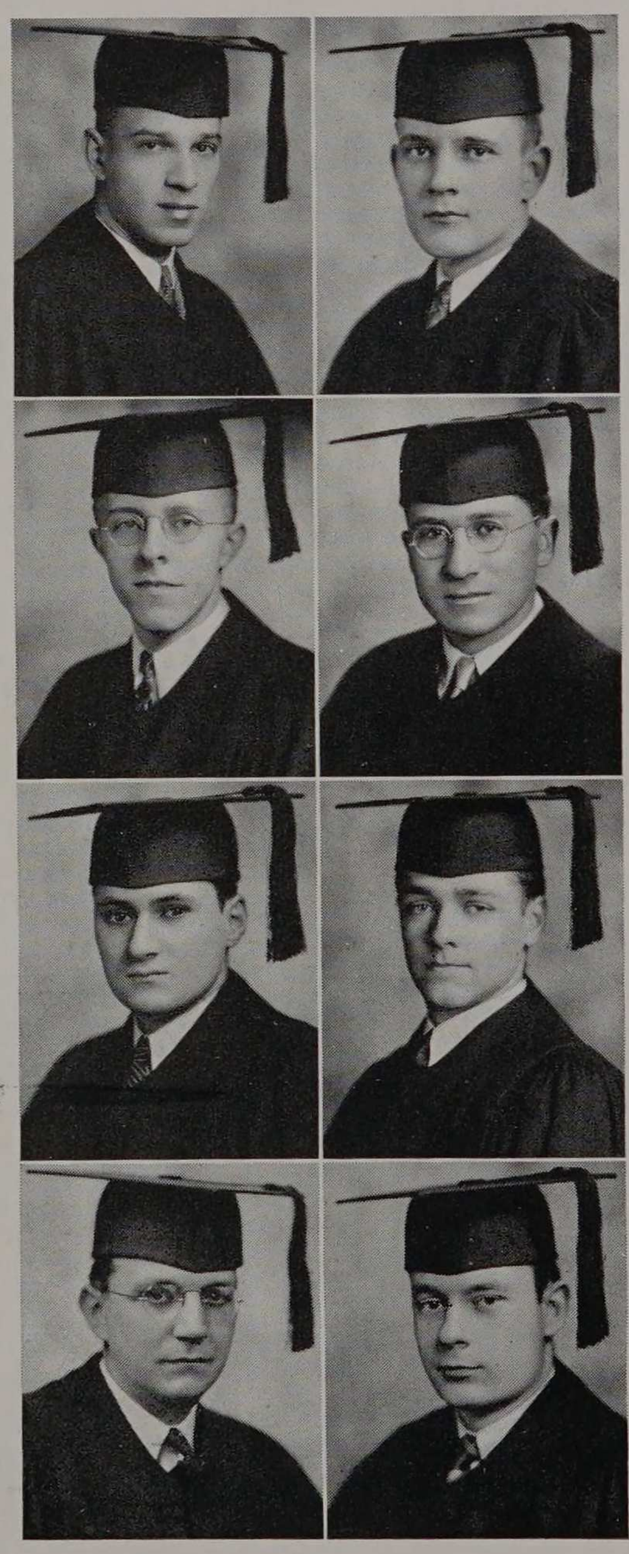
Headen, F. Edward

Chicago, Ill.

B.S. in Mechanical Engineering

De Paul Academy, Chicago, Ill. Pi Tau Sigma; Class Social Chairman 2.





Henoch, Mark L.

Chicago, Ill.

B.S. in Electrical Engineering

Lane Technical High School, Chicago, Ill. A.I.E.E. 2, 3, 4.

Hensel, William A.

Chicago, Ill.

B.S. in Mechanical Engineering

De Paul Academy, Chicago, Ill. Pi Tau Sigma; Glee Club 3.

Hillman, Chester E.

Chicago, Ill.

B.S. in Mechanical Engineering

Senn High School, Chicago, Ill. Pi Tau Sigma; Glee Club 3, 4; A.S.M.E. 4; Tech News 3; Engineer 3; Chess Club 3.

Hoffman, Edwin G. E.

Chicago, Ill.

B.S. in Civil Engineering

Carl Schurz High School, Chicago, Ill. Chi Epsilon; W.S.E. 3, 4.

Hoyer, William A.

Chicago, Ill.

B.S. in Mechanical Engineering

Carl Schurz High School, Chicago, Ill. Sphinx; Armour Players 4; Track 3, 4; Engineer 3, 4.

Huetten, Clarence

Highland Park, Ill.

B.S. in Electrical Engineering

Deerfield Shields High School, Highland Park, Ill. Tau Beta Pi; A.I.E.E. 3, 4; Cap and Gown Committee 4.

Huster, Richard A.

Chicago, Ill.

B.S. in Mechanical Engineering

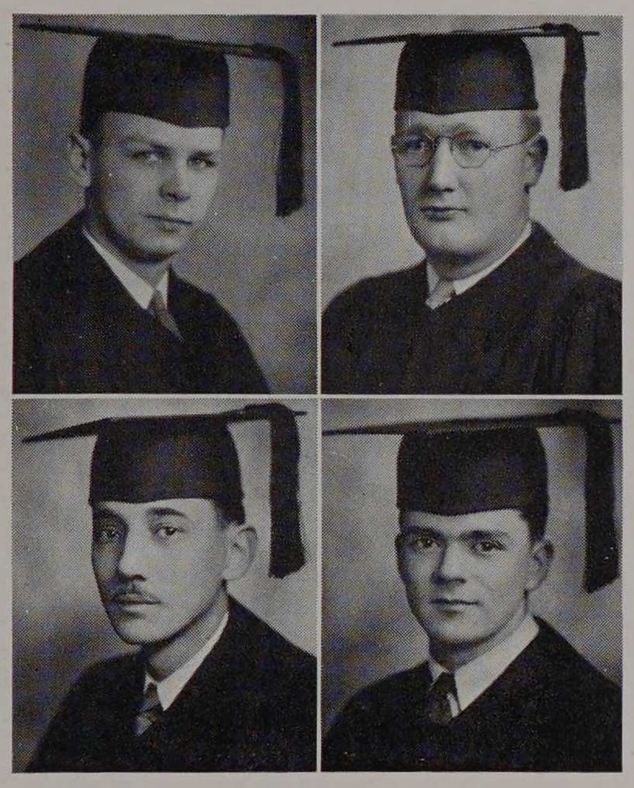
Senn High School, Chicago, Ill. Glee Club 3, 4; A.S.M.E. 3, 4.

Irion, Theodore H.

Oshkosh, Wis.

B.S. in Architecture

Oshkosh High School, Oshkosh, Wis. Scarab, President 2; Glee Club 1; A.A.S. 1, 2, 3, 4, President 3; Cycle 2, 3, Art Editor 3; Honor Marshal 2, 3.



Jacobson, Donald L.
Chicago, Ill.
B.S. in Fire Protection Engineering
Lane Technical High School, Chicago, Ill. Phi Kappa Sigma; F.P.E.S. 1, 2, 3, 4; Basketball 1; Baseball 2, 3, 4, Manager 4; Cycle 2, 3, 4, Organization Editor 3, Assistant to Editor-in-Chief 4; Interclass Basketball 1, 2, 3, 4; Interclass Baseball 1, 2, 3, 4.

Johnson, C. Roy
Chicago, Ill.
B.S. in Mechanical Engineering
Lake View High School, Chicago, Ill. Pi Tau Sigma; Pi Nu Epsilon; Glee Club 3, 4; Orchestra 2, 3, 4; Band 2, 3, 4; A.S.M.E. 3, 4.

Kalischer, Mark D.
Evanston, Ill.
B.S. in Architecture
Evanston Township High School, Evanston, Ill. Northwestern University, Evanston, Ill. B.S. in Engineering; A.A.S. 3, 4.

Kane, Ernest
Oak Park, Ill.
B.S. in Chemical Engineering
Oak Park High School, Oak Park, Ill. Campus Club 2, 3; Wrestling 2, 3; Tech News 1, 2; Engineer 2.

Kann, Alexander H.
Chicago, Ill.
B.S. in Architecture
Roosevelt High School, Chicago, Ill. A.A.S. 1, 2, 3, 4.

Kapecki, Alfred F.
Chicago, Ill.
B.S. in Chemical Engineering
Austin High School, Chicago, Ill. Phi Lambda Upsilon; Alpha Chi Sigma; Campus Club 3, 4; A.I.Ch.E. 3, 4; Engineer 3, 4.

Kaplan, Frank L.
Chicago, Ill.
B.S. in Civil Engineering
Englewood High School, Chicago, Ill. Rho Delta Rho; Musical Clubs 2; Glee Club 2; W.S.E. 3, 4.

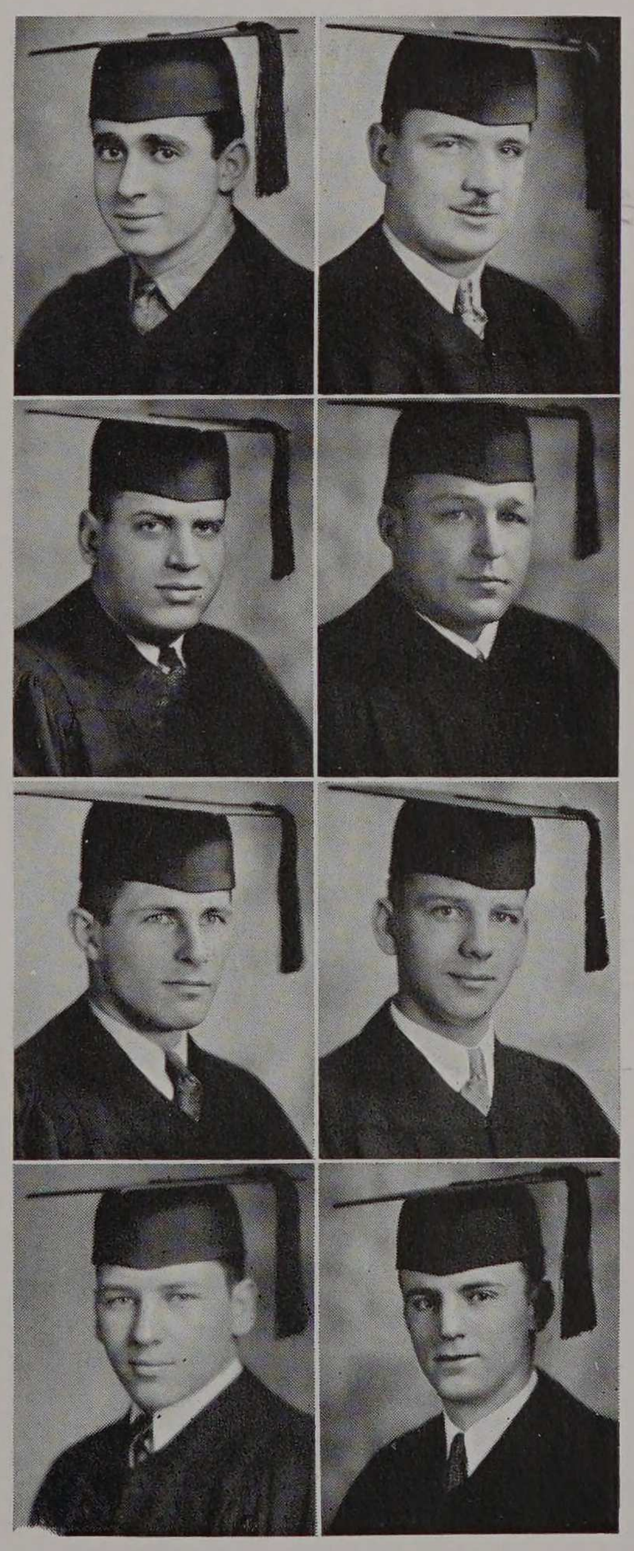
Ketler, Albert C., Jr.
Chicago, Ill.
B.S. in Civil Engineering
Culver Military Academy, Culver, Ind. Delta Tau Delta; Chi Epsilon; W.S.E. 3, 4.

Klima, Orville
Hollywood, Ill.
B.S. in Mechanical Engineering
Riverside-Brookfield High School, Riverside, Ill. A.S.M.E. 3, 4.

Knudson, Warren A.
Chicago, Ill.
B.S. in Electrical Engineering
Senn High School, Chicago, Ill. A.I.E.E. 3, 4.

Knudson, Wilburt T.
Chicago, Ill.
B.S. in Electrical Engineering
Senn High School, Chicago, Ill. A.I.E.E. 3, 4.

Koko, Frank W.
Chicago, Ill.
B.S. in Civil Engineering
Mount Carmel High School, Chicago, Ill. W.S.E. 3, 4; Boxing 1, 2, Manager 3; Wrestling Manager 3, 4; Class President 3; Cheer Leader 3, 4; Jewelry Committee 4.



Kolve, Irving A.

Chicago, Ill.

B.S. in Mechanical Engineering

Austin High School, Chicago, Ill. Black Knight; Tau Beta Pi; Pi Tau Sigma; Honor A; A.S.M.E. 3, 4; Swimming 1, 2, 3, 4, Captain 4; Junior Marshal 3; Honor Marshal 3.

Korink, George T.

Chicago, Ill.

B.S. in Civil Engineering

Austin High School, Chicago, Ill. Tau Beta Pi; Chi Epsilon, President 4; W.S.E. 3, 4; Class Social Committee 3; Interfraternity Athletics Manager 4.

Kostenko, Barry M.

Chicago, Ill.

B.S. in Civil Engineering

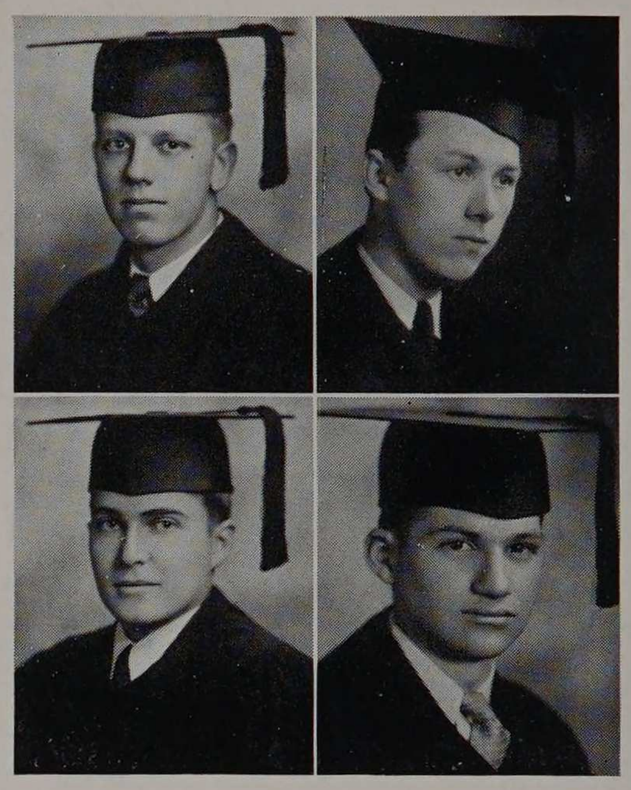
Tuley High School, Chicago, Ill. Sphinx; Campus Club 2, 3, 4; Philatelic Society 2, 3; W.S.E. 3, 4; Tech News 3; Engineer 2, 3, 4, Comptroller 4; Board of Publications 4; Chess Club 2, 3, 4; Glee Club 3.

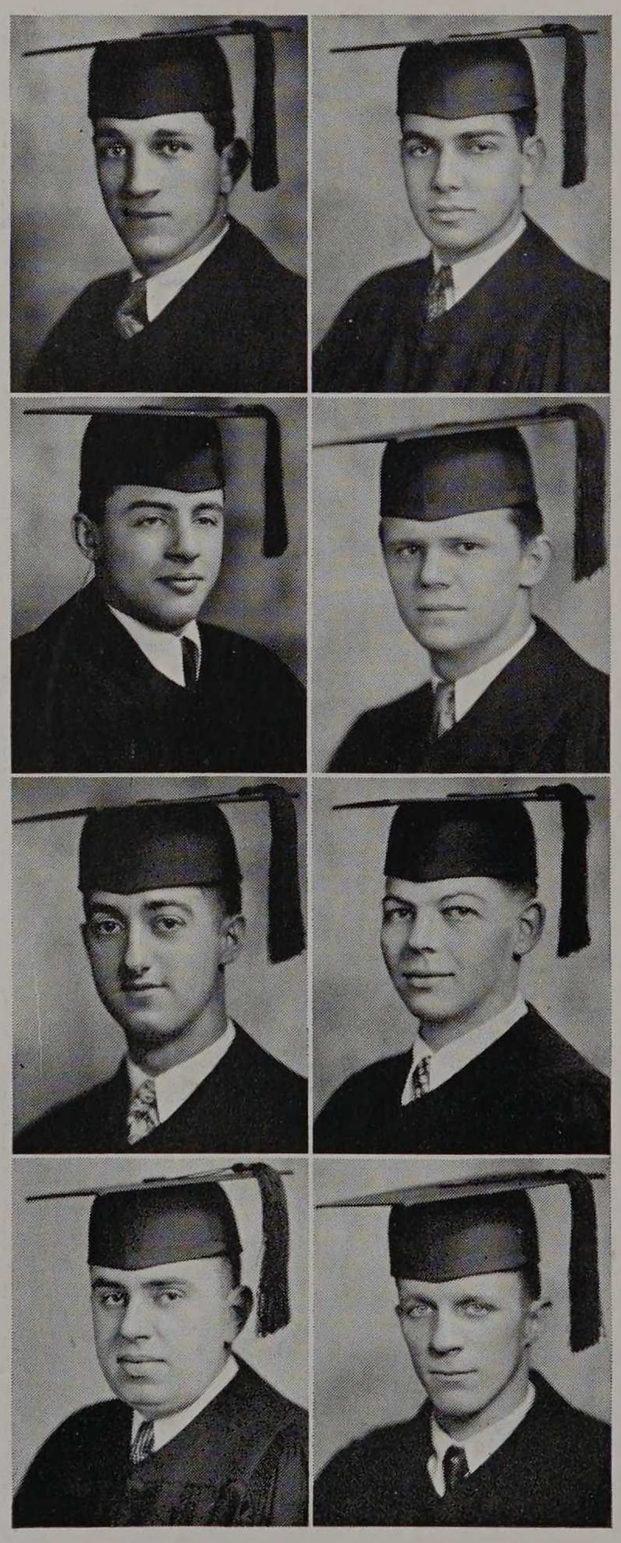
Krause, Norman C.

Chicago, Ill.

B.S. in Chemical Engineering

Lindblom High School, Chicago, Ill. Rho Delta Rho; Rifle Club 3, 4; A.I.Ch.E. 3, 4; Track 4; Tech News 3; Orchestra 1, 2.





Krause, William H.

Glenwood, Ill.

B.S. in Electrical Engineering

Bloom Township High School, Chicago Heights, Ill. Theta Xi; A.I.E.E. 3, 4.

Kreisman, Herbert

Chicago, Ill.

B.S. in Mechanical Engineering

Hyde Park High School, Chicago, Ill. Sigma Alpha Mu, President 4; Tau Beta Pi; Sphinx; A.S.M.E. 3, 4; Engineer 1, 2, 3, 4, Associate Editor 3, Editor-in-Chief 4; Board of Publications 3, 4; Interfraternity Council 4.

Kreuzkamp, George D.

Highland Park, Ill.

B.S. in Mechanical Engineering

Deerfield Shields High School, Highland Park, Ill. Massachusetts Institute of Technology, Brookline, Mass. Phi Kappa.

Krol, Walter F.

Chicago, Ill.

B.S. in Architecture

Tilden Technical High School, Chicago, Ill. Campus Club 2, 3, 4; A.A.S. 1, 2, 3, 4; Tech News 2, 3, Engineer 2, 3; Glee Club 2; Class Social Committee 2.

Kuehn, Nicholas H.

Chicago, Ill.

B.S. in Civil Engineering

Fenger High School, Chicago, Ill. Phi Pi Phi; Tau Beta Pi; Chi Epsilon; W.S.E. 3, 4; Track Manager 4.

Kuffel, Charles P.

Chicago, Ill.

B.S. in Fire Protection Engineering

Austin High School, Chicago, Ill. University of Chicago, Chicago, Ill. Lambda Chi Sigma; Salamander; F.P.E.S. 2, 3, 4; Cap and Gown Committee 4.

Laemmer, William W.

Oak Park, Ill.

B.S. in Electrical Engineering

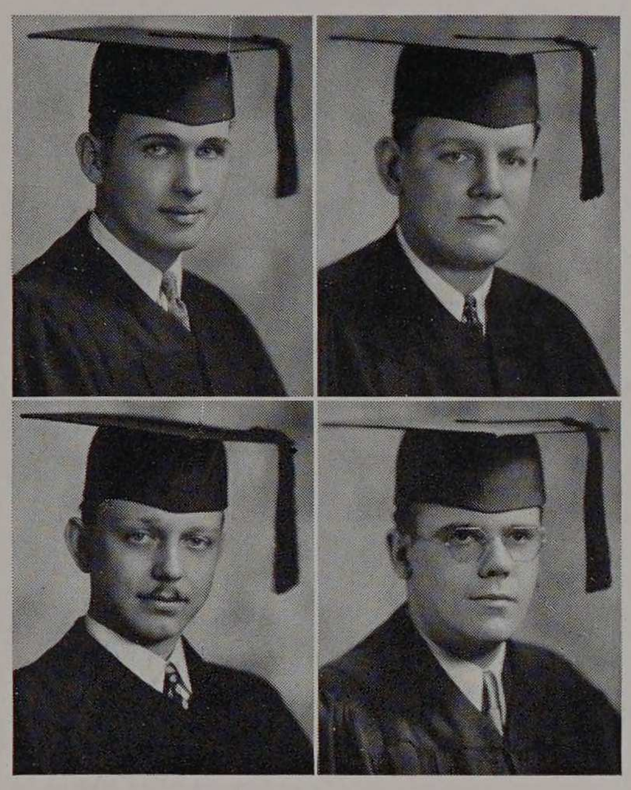
Crane Technical High School, Chicago, Ill. Eta Kappa Nu; A.I.E.E. 3, 4; Glee Club 3.

Laestadius, Bertil W.

Chicago, Ill.

B.S. in Civil Engineering

Senn High School, Chicago, Ill. Chi Epsilon; Chess Club 3, 4; Campus Club 3, 4; W.S.E. 3, 4.



Lamberg, John H.
Chicago, Ill.
B.S. in Electrical Engineering
Lane Technical High School, Chicago, Ill. A.I.E.E. 3, 4.

Larson, J. Arthur
Joliet, Ill.
B.S. in Electrical Engineering
Joliet Township High School, Joliet, Ill. Theta Xi, President 4; A.I.E.E. 3, 4; Class Treasurer 3; Interfraternity Council, President 4.

Lebus, William A.
Chicago, Ill.
B.S. in Mechanical Engineering
Tilden Technical High School, Chicago, Ill. A.S.M.E. 3, 4.

Lehmann, Stephen G.
Chicago, Ill.
B.S. in Electrical Engineering
Crane Technical High School, Chicago, Ill. Tau Beta Pi; Eta Kappa Nu; A.I.E.E. 3, 4, President 4.

Lillis, Stephen M.
Chicago, Ill.
B.S. in Chemical Engineering
Loyola Academy, Chicago, Ill. Triangle, President 4; Black Knight; Honor A; Interfraternity Council 4; A.I.Ch.E. 3, 4; Baseball 2, 3, 4; Interclass Baseball 1, 2, 3, 4; Interclass Basketball 1, 2, 3, 4; Tech News 1; Glee Club 2; A.T.A.A. 2, 3, 4, President 4; Junior Marshal 3; Class Social Committee 2, 3; Jacket Committee, Chairman 4.

Lippincott, Carl M.
Chicago, Ill.
B.S. in Civil Engineering
Tilden Technical High School, Chicago, Ill. Truss Club 2, 3, 4; W.S.E. 3, 4.

Lodeski, Robert J.
Oak Park, Ill.
B.S. in Civil Engineering
St. Mel High School, Chicago, Ill. Campus Club 3, 4; Chess Club 3, 4; Interclass Baseball 1.

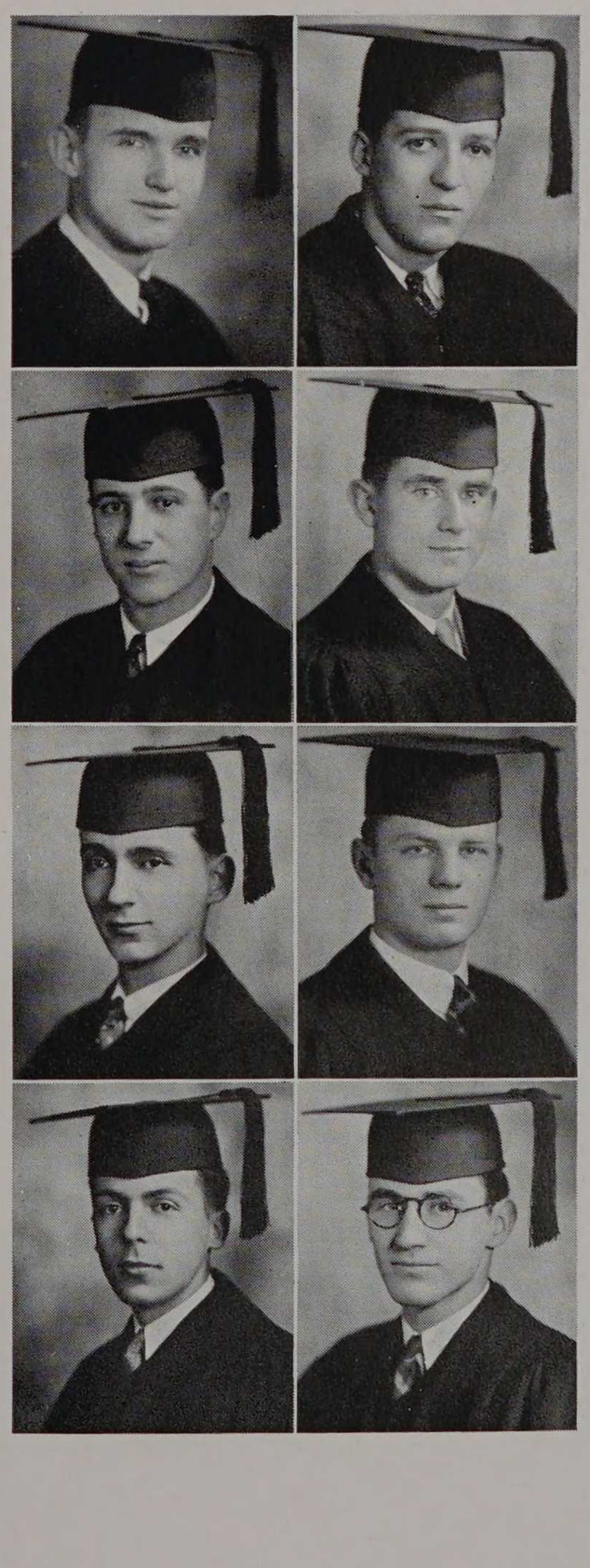
Lukas, Michael A.
Chicago, Ill.
B.S. in Fire Protection Engineering
Lindblom High School, Chicago, Ill. Black Knight; Sphinx; Honor A; F.P.E.S. 2, 3, 4; Baseball 2, 3, 4; Basketball 2, 3, 4; Boxing 2; Cycle 2, 3, Social Editor 3; Engineer 2, 3; Tech News 2; Interclass Baseball 1, 2, 3, 4; Interclass Basketball 1, 2, 3, 4; Assistant Junior Marshal 3; Class Treasurer 4; Tennis Champion 4.

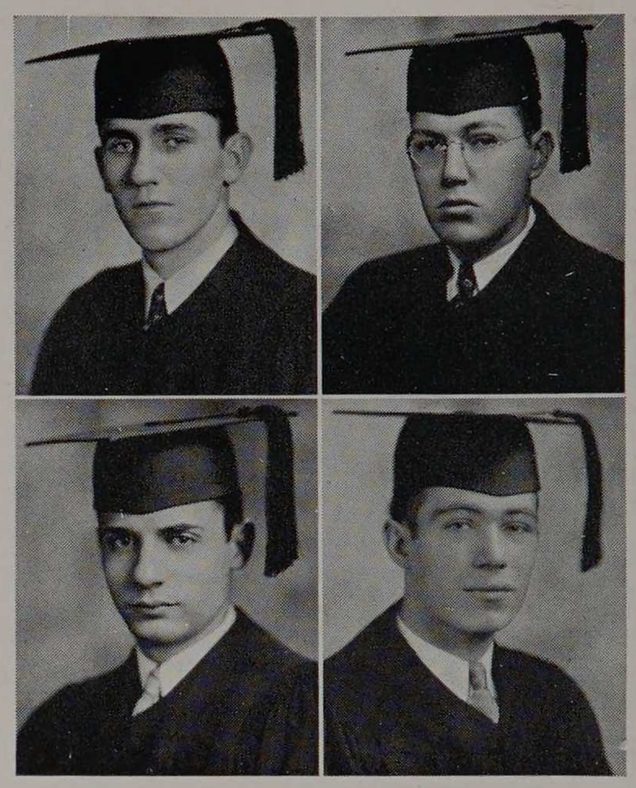
Lukey, John B.
Riverside, Ill.
B.S. in Mechanical Engineering
Riverside-Brookfield High School, Riverside, Ill. Pi Tau Sigma; Rifle Club 3, 4; A.S.M.E. 2, 3, 4.

Lundin, Elmer G.
Chicago, Ill.
B.S. in Electrical Engineering
Calumet High School, Chicago, Ill. Theta Xi; Tau Beta Pi; Eta Kappa Nu; Sphinx; A.I.E.E. 3, 4; Cycle 2, 3, Business Manager 3.

McBrady, George B.
Chicago, Ill.
B.S. in Chemical Engineering
Loyola Academy, Chicago, Ill. Triangle; A.I.Chi.E, 2, 3, 4; Track 3, 4; Interclass Track 2, 3; Interclass Relays 3; Interclass Athletics Manager 4; Class Secretary 4.

McDonald, Leo J.
Oak Park, Ill.
B.S. in Mechanical Engineering
St. Mel High School, Chicago, Ill. Tau Beta Pi; Pi Tau Sigma; Honor A; Truss Club 2, 3, 4; Chess Club 3, 4; Glee Club 2; A.S.M.E. 3, 4; Boxing 2, 3, 4, Captain 3, 4; Class Social Chairman 4.



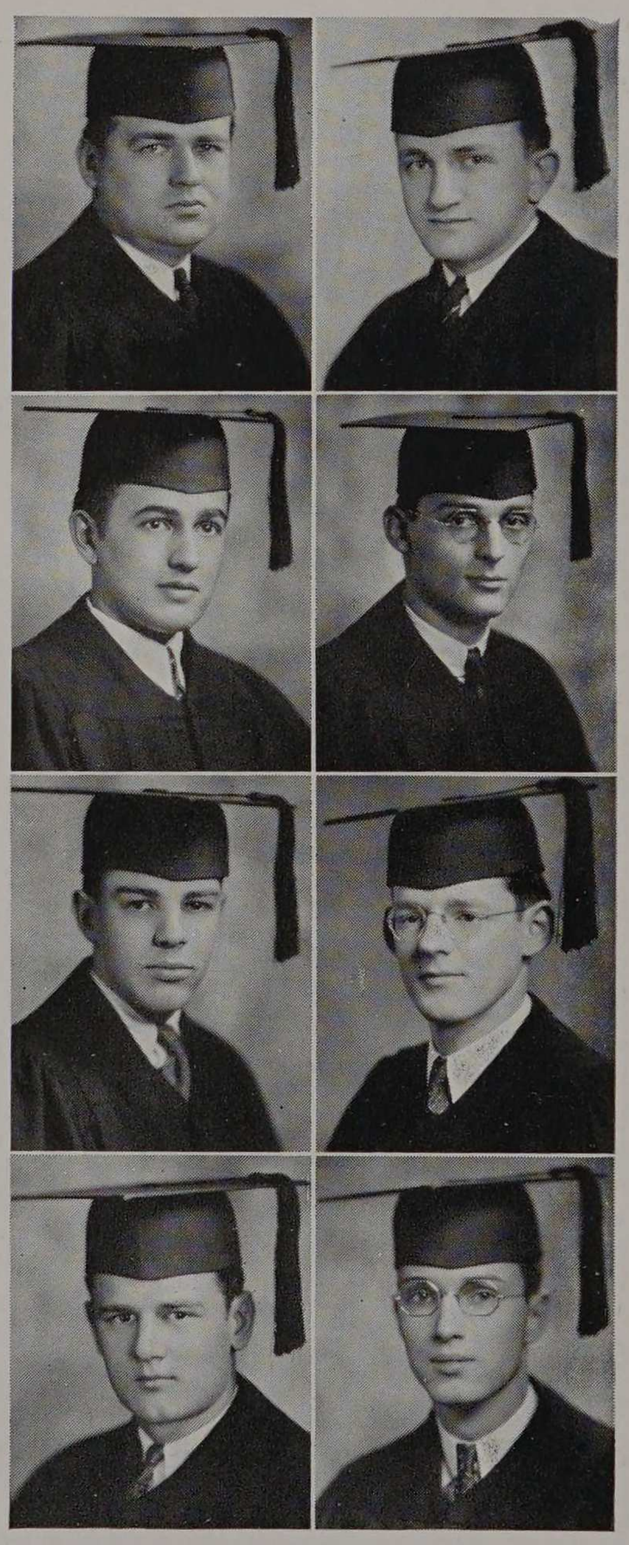


McDonough, Edward W.
Chicago, Ill.
B.S. in Mechanical Engineering
St. Mel High School, Chicago, Ill. Triangle; Honor A; A.S.M.E. 3, 4; Track 4; Tennis 2, 3, 4.

McFarland, Rolland, Jr.
Chicago, Ill.
B.S. in Chemical Engineering
Hyde Park High School, Chicago, Ill. Alpha Chi Sigma; Campus Club 2, 3; A.I.Ch.E. 1, 2, 3, 4, President 4; Engineer 3, 4.

Machinis, Peter A.
Chicago, Ill.
B.S. in Civil Engineering
Englewood High School, Chicago, Ill. W.S.E. 3, 4; Baseball 2, 3, 4; Boxing 4; Interclass Baseball 1, 2, 3, 4; Interclass Basketball 1, 2, 3, 4; Class Social Committee 4.

Malloy, William A.
Chicago, Ill.
B.S. in Civil Engineering
St. Ignatius High School, Chicago, Ill. Triangle; W.S.E. 3, 4.



Marberg, G. Albert
Chicago, Ill.
B.S. in Architecture
Fenger High School, Chicago, Ill. A.A.S. 1, 2, 3, 4.

Marcus, Leonard
Chicago, Ill.
B.S. in Civil Engineering
Crane Technical High School, Chicago, Ill. Kappa Delta Epsilon; Chi Epsilon; Honor A; W.S.E. 3, 4; Boxing 2, 3, 4; Tech News 2.

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

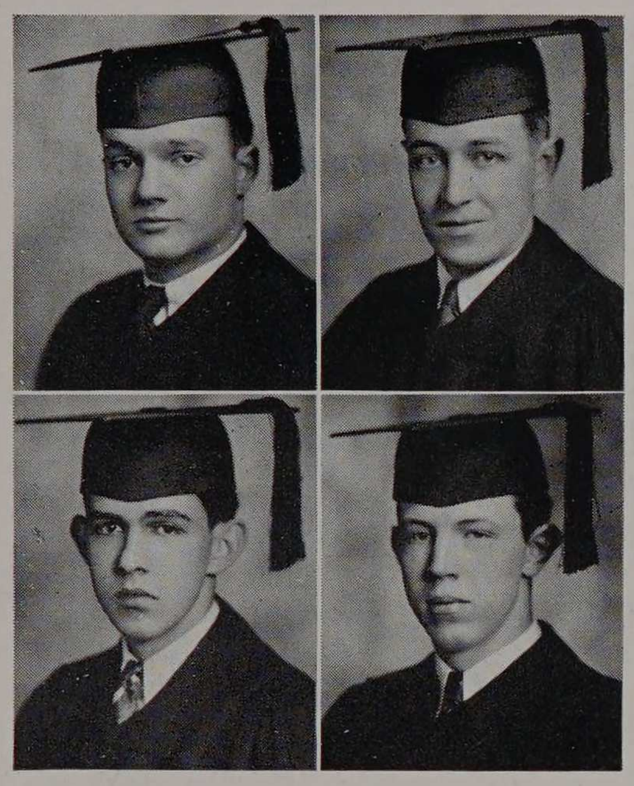
Marty, Raymond W.
Chicago, Ill.
B.S. in Chemical Engineering
Carl Schurz High School, Chicago, Ill. Alpha Chi Sigma; Phi Lambda Upsilon; Campus Club 1, 2, 3; Rifle Club 3; A.I.Ch.E. 2, 3, 4; Engineer 2, 3.

Masure, Charles P.
Oak Park, Ill.
B.S. in Mechanical Engineering
Oak Park High School, Oak Park, Ill. Glee Club 2, 3; A.S.M.E. 4.

Maurer, Walter L.
Chicago, Ill.
B.S. in Electrical Engineering
Bowen High School, Chicago, Ill. A.I.E.E. 3, 4; Chess Club 4.

Mayer, George J.
Chicago, Ill.
B.S. in Mechanical Engineering
Lawrence High School, Lawrence, Kansas; University of Kansas, Lawrence, Kansas. Honor A; A.S.M.E. 3; Orchestra 3; Baseball 2, 3, 4; Interclass Baseball 3; Interclass Basketball 4; Interclass Track 4; Jacket Committee 4.

Mills, William R.
Aurora, Ill.
B.S. in Fire Protection Engineering
East Aurora High School, Aurora, Ill. F.P.E.S. 1, 2, 3, 4.



Morelli, Alevezio J.
Chicago, Ill.
B.S. in Architecture
Crane Technical High School. Chicago. Ill. A.A.S. 1, 2, 3, 4; Baseball 2, 3, 4; Interclass Baseball 3, 4; Interclass Basketball, 4; Jewelry Committee 4.

Morrissey, John H.
Chicago, Ill.
B.S. in Electrical Engineering
St. Mel High School. Chicago, Ill. A.I.E.E. 2, 3, 4.

Mullane, Daniel J.
Chicago, Ill.
B.S. in Chemical Engineering
Lindblom High School, Chicago, Ill. Phi Lambda Upsilon; Alpha Chi Sigma; Campus Club 1, 2, 3; Rifle Club 2, 3; A.I.Ch.E. 3, 4; Engineer 2, 3.

Murphy, Thomas F.
Chicago, Ill.
B.S. in Electrical Engineering
Loyola Academy, Chicago, Ill. Loyola University, Chicago, Ill. Eta Kappa Nu; A.I.E.E. 2, 3, 4.

Myers, Gerald E.
Naperville, Ill.
B.S. in Fire Protection Engineering
East High School, Aurora, Ill. Salamander; F.P.E.S. 2, 3, 4; Orchestra 1, 2, 3, 4; Tech News 1, 2; Engineer 2, 3.

Nelson, Robert P.
Chicago, Ill.
B.S. in Mechanical Engineering
Senn High School, Chicago, Ill. University of Illinois, Urbana, Ill. Theta Xi; A.S.M.E. 3, 4; Jewelry Committee 4.

Noerenberg, Fredrick C. W.
Chicago, Ill.
B.S. in Chemical Engineering
Lindblom High School, Chicago, Ill. Phi Lambda Upsilon; Campus Club 1, 2, 3, 4; Chess Club 2, 3; A.I.Ch.E. 2, 3, 4; Cycle 2; Tech News 2, 3; Engineer 1, 2, 3, Circulation Manager 3; Orchestra 1.

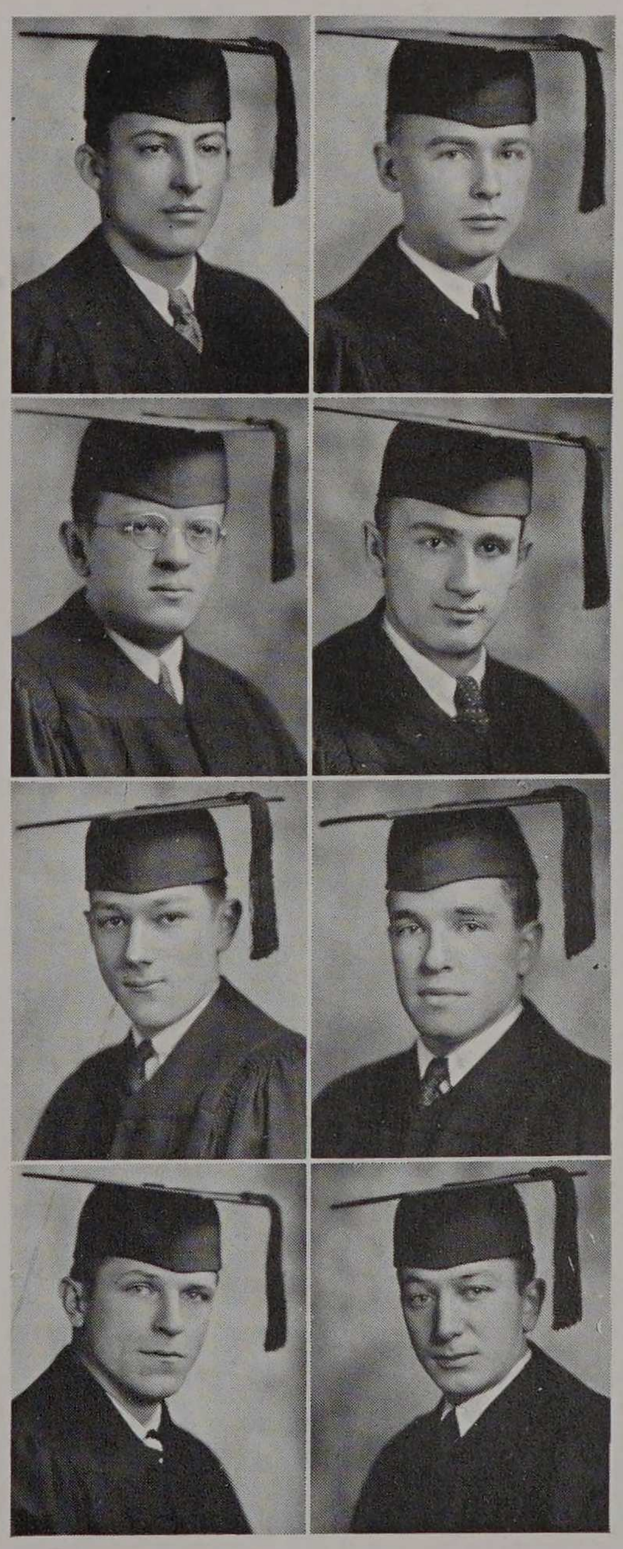
Novak, Vladimar J.
Chicago, Ill.
B.S. in Architecture
Morton High School, Cicero, Ill. Phi Pi Phi; A.A.S. 1, 2, 3, 4.

Nuetzel, William
Chicago, Ill.
B.S. in Civil Engineering
Tilden Technical High School, Chicago, Ill. Truss Club 3, 4; W.S.E. 3, 4.

O'Hara, Joseph P.
Hazel Crest, Ill.
B.S. in Mechanical Engineering
Thornton Township High School, Harvey, Ill.

Omiecinski, Victor M.
Chicago, Ill.
B.S. in Mechanical Engineering
Tilden Technical High School, Chicago, Ill. Honor A; Baseball 1, 2, 3, 4, Captain 4; Basketball 1; Interclass Baseball 1, 2, 3, 4; Interclass Basketball 1, 2, 3, 4; Interclass Track 4.

Paslawsky, John T.
Chicago, Ill.
B.S. in Electrical Engineering
Academic High School, Lemberg, Poland; Eta Kappa Nu; Chess Club 3, 4; Armour Players 4; Glee Club 3, 4; Tech News 3, 4, Advertising Manager 4.



Peavey, Thomas C.

Twin Falls, Idaho

B.S. in Fire Protection Engineering

Twin Falls High School, Twin Falls, Idaho; University of Hawaii, Honolulu, Hawaii. Delta Tau Delta, President 3, 4; Interfraternity Council 3, 4; F.P.E.S. 1, 2, 3, 4; Tech News 1, 2; Engineer 1, 2, 3, Technical Abstracts Editor 3; Cycle 1, 2, 3, 4, Associate Editor 3, Editor-in-Chief 4; Photography Committee, Chairman 4.

Peterson, Berthil H.

Chicago, Ill.

B.S. in Fire Protection Engineering

Lindblom High School, Chicago, Ill. F.P.E.S. 3, 4; Orchestra 1; Class Social Committee 1, 2, 3; Class Treasurer 2.

Pfeiler, Arno J.

Sheboygan, Wis.

B.S. in Civil Engineering

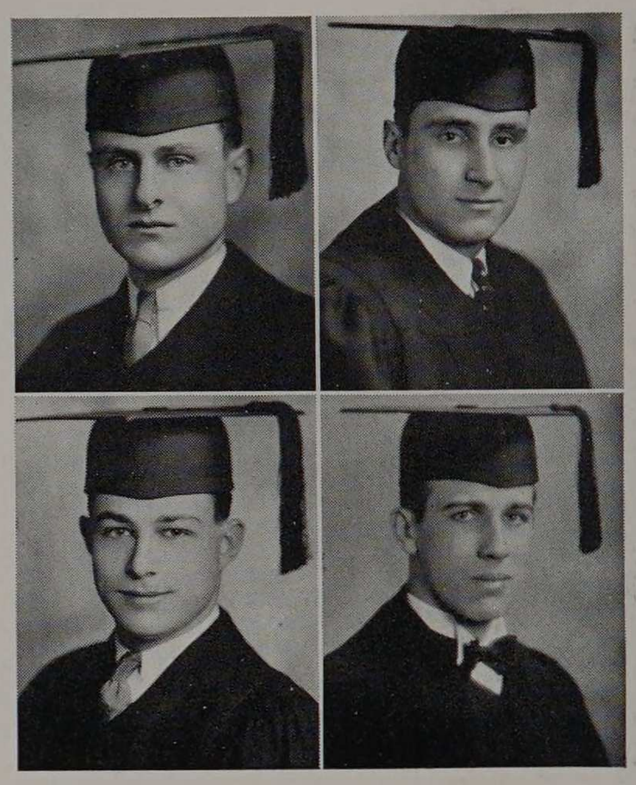
Sheboygan High School, Sheboygan, Wis. Swimming 1, 2.

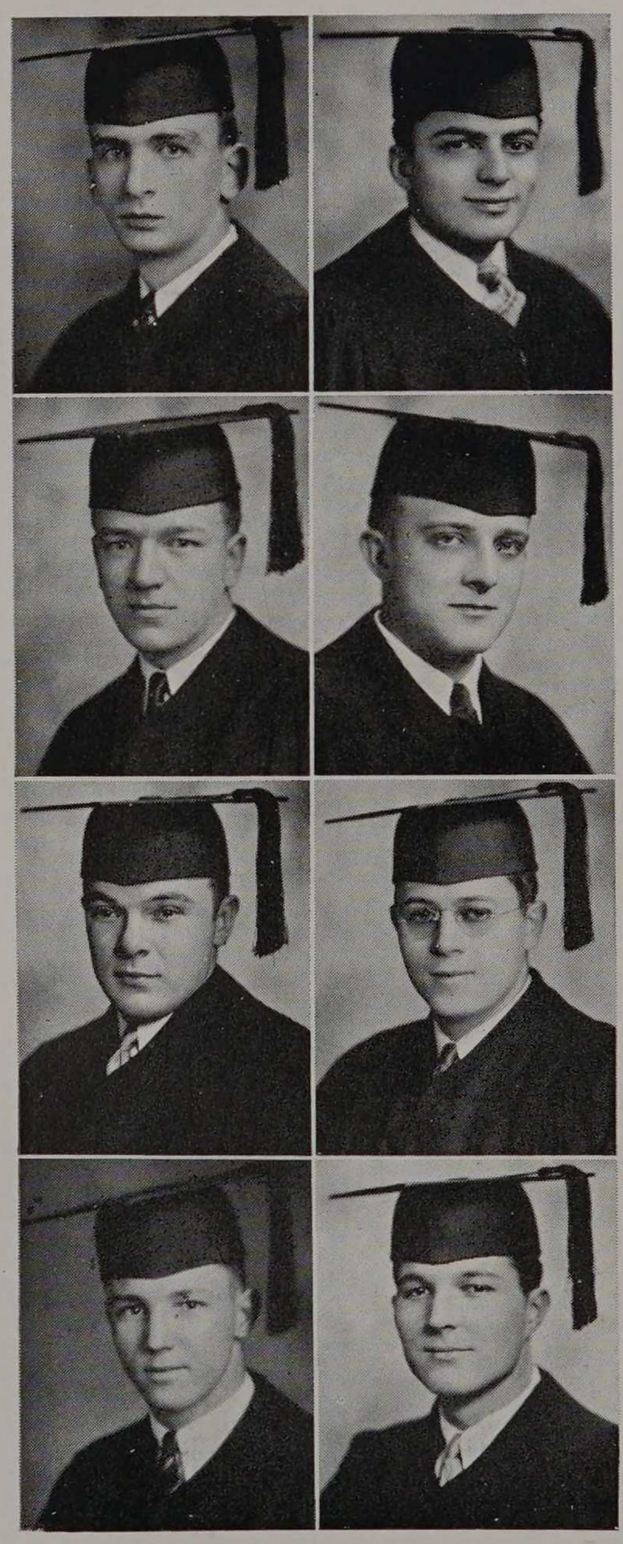
Pflum, Raymond J.

Chicago, Ill.

B.S. in Civil Engineering

Tilden Technical High School, Chicago, Ill. Phi Pi Phi; Black Knight; Tau Beta Pi; Chi Epsilon; Honor A; W.S.E. 3, 4; Basketball 2, 3, 4, Captain 4; Golf Manager 4; Interclass Basketball 1, 2, 3; Interclass Baseball 1, 2, 3; Class Social Chairman 3; Class President 4.





Pilip, Peter

Chicago, Ill.

B.S. in Civil Engineering

Tilden Technical High School, Chicago, Ill. W.S.E. 3, 4.

Pinkus, Jerome R.

Chicago, Ill.

B.S. in Mechanical Engineering

Austin High School, Chicago, Ill. University of Illinois, Urbana, Ill. Phi Eta Sigma; Pi Tau Sigma; A.S.M.E. 3, 4.

Polko, Peter P.

Lyons, Ill.

B.S. in Mechanical Engineering

Austin High School, Chicago, Ill. Pi Tau Sigma; Sphinx; A.S.M.E. 2, 3, 4; Engineer 3, 4.

Prahin, Edward J.

Chicago, Ill.

B.S. in Civil Engineering

Lane Technical High School, Chicago, Ill. W.S.E. 3, 4.

Quinnell, Frank A.

Chicago, Ill.

B.S. in Civil Engineering

Englewood High School, Chicago, Ill. Rifle Club 2; Glee Club 4; W.S.E. 3, 4; Boxing 3; Class Social Committee 4.

Raschke, Herbert A.

Chicago, Ill.

B.S. in Electrical Engineering

Tilden Technical High School, Chicago, Ill. A.I.E.E. 2, 3, 4; Photography Committee 4.

Reed, George M.

Chicago, Ill.

B.S. in Electrical Engineering

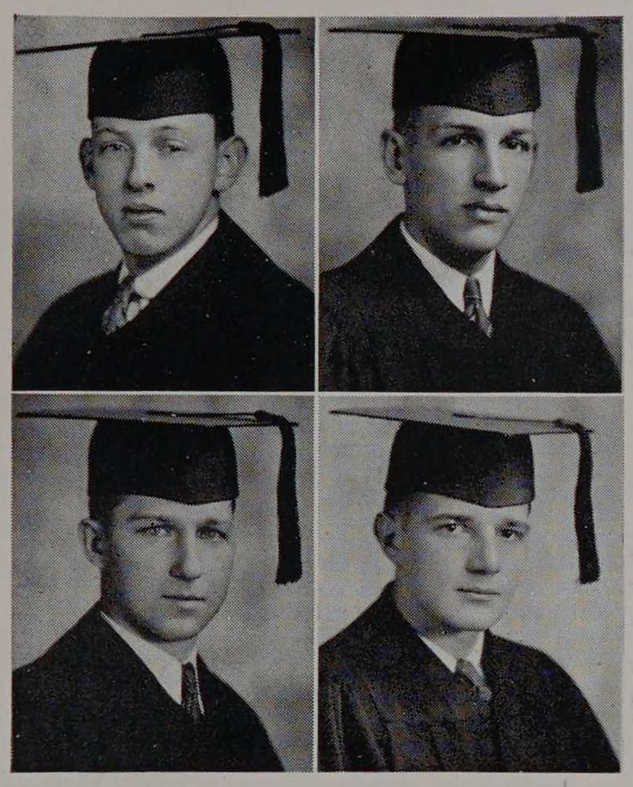
Harrison Technical High School, Chicago, Ill. Theta Xi; Honor A; A.I.E.E. 2, 3, 4; Baseball 1, 2, 3, 4; Swimming 3, 4; Interclass Baseball 1, 2, 3, 4; Interclass Track 4; Interclass Basketball 1, 3, 4; Interclass Relays 2, 4; Interfraternity Council 3, 4; Class Social Committee 3; Class Vice-President 4.

Reichel, Howard G.

Chicago, Ill.

B.S. in Electrical Engineering

Lindblom High School, Chicago, Ill. Rifle Club 2; A.I.E.E. 3, 4.



Richardson, Wilbert E.
Chicago, Ill.
B.S. in Electrical Engineering
Carl Schurz High School, Chicago, Ill. A.I.E.E. 3, 4; Baseball 1, 2; Interclass Baseball 1, 2; Interclass Basketball 1; Stresses and Strains 1, 2.

Robinette, Willis E.
Chicago, Ill.
B.S. in Fire Protection Engineering
Tilden Technical High School, Chicago, Ill. F.P.E.S. 1, 2, 3, 4; Cycle 2; Jewelry Committee 4; Photography Committee 4.

Ronowski, Robert P.
LaGrange, Ill.
B.S. in Mechanical Engineering
Austin High School, Chicago, Ill. Rifle Club 2, 3, 4; A.S.M.E. 3, 4.

Rummel, Leonard G.
Chicago, Ill.
B.S. in Civil Engineering
Lane Technical High School, Chicago, Ill. Theta Xi; Honor A, President 4; W.S.E. 3, 4; Basketball 1, 2, 3, 4; Interclass Basketball 1, 2; Interclass Track 1; Class Vice-President 2.

Rupprecht, Carl
Chicago, Ill.
B.S. in Mechanical Engineering
Tilden Technical High School, Chicago, Ill. Campus Club 1, 2; Glee Club 3, 4; Interclass Track 3; Interclass Baseball 1, 4.

Sachs, Carl H., Jr.
Chicago, Ill.
B.S. in Fire Protection Engineering
Lake View High School, Chicago, Ill. Phi Kappa Sigma, President 4; Glee Club 4; Musical Clubs 4; Chess Club 1; Rifle Club 1, 2, 4; Rifle Team 1, 2, 4; Cycle 2, 3, Fraternity Editor 3; Interfraternity Council 4; Jacket Committee 4.

Scharringhausen, William G.
Chicago, Ill.
B.S. in Civil Engineering
Austin High School, Chicago, Ill. Theta Xi; W.S.E. 3, 4; Tech News 1, 2.

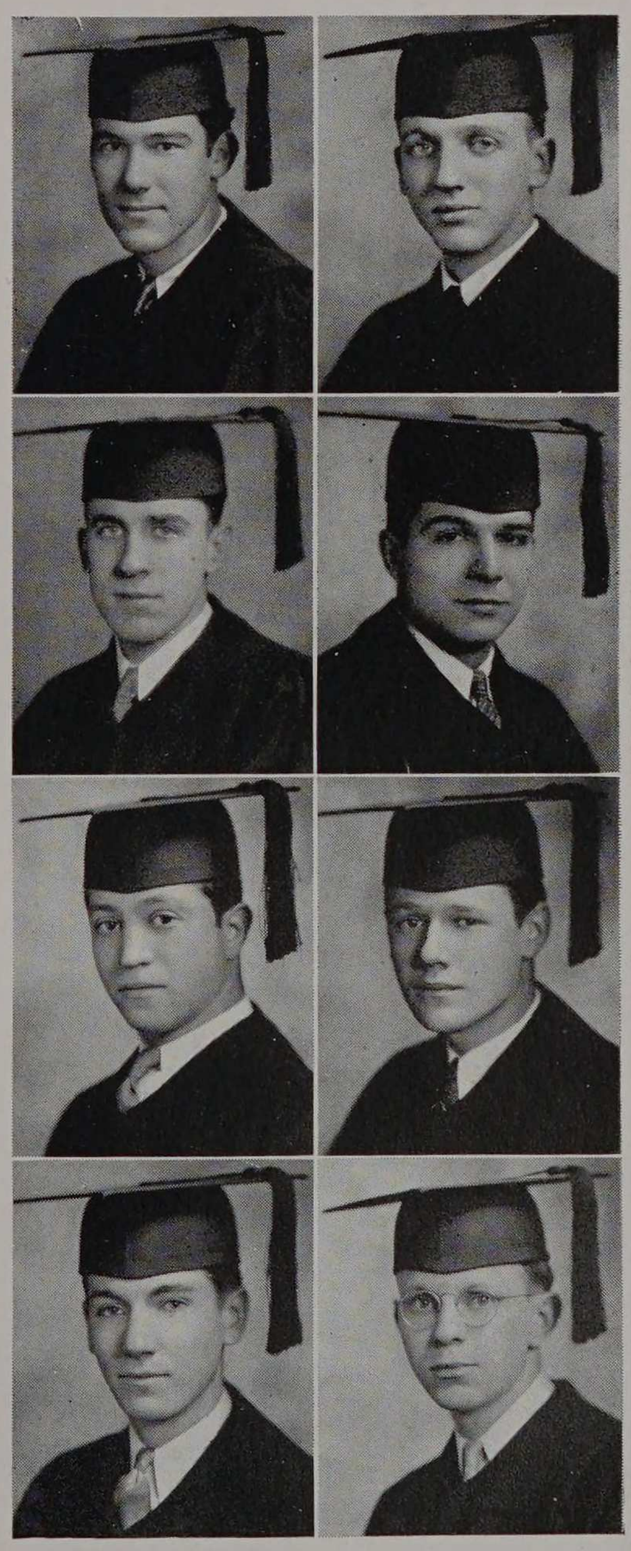
Schmidt, Otto J.
Chicago, Ill.
B.S. in Civil Engineering
Crane Technical High School, Chicago, Ill. Chi Epsilon; Campus Club 3, 4; Chess Club 4; Glee Club 3, 4; W.S.E. 3, 4; Boxing 3.

Schneebalg, Erwin J.
Chicago, Ill.
B.S. in Mechanical Engineering
Crane Technical High School, Chicago, Ill. A.S.M.E. 2, 3, 4; Wrestling 4; Boxing 4; Track 4.

Schorling, Robert H.
Chicago, Ill.
B.S. in Chemical Engineering
Central Y.M.C.A. High School, Chicago, Ill. Delta Tau Delta; Alpha Chi Sigma; A.I.Ch.E. 3, 4.

Schrage, Paul F.
Chicago, Ill.
B.S. in Fire Protection Engineering
Crane Technical High School, Chicago, Ill. Crane Junior College, Chicago, Ill. F.P.E.S. 2, 3, 4.

Schreiner, John E.
Chicago, Ill.
B.S. in Civil Engineering
Crane Technical High School, Chicago, Ill. Triangle; Black Knight; Tau Beta Pi; Chi Epsilon, President 4; Sphinx; Chess Club 3, 4; W.S.E. 3, 4, President 4; Tech News 2, 3, 4, Circulation Manager 4; Interhonorary Council 4; Honor Marshal 3.



Seaberg, Carl T.

Chicago, Ill.

B.S. in Architecture

Lindblom High School, Chicago, Ill. Theta Xi; Scarab; A.A.S. 1, 2, 3, 4; Tech News 1, 2.

Shaw, Earle H.

Chicago, Ill.

B.S. in Fire Protection Engineering

Tilden Technical High School, Chicago, Ill. Glee Club 1, 2; Campus Club 2; Armour Players 2; F.P.E.S. 2, 3, 4; Interclass Baseball 3; Tech News 2.

Shermer, Carl L.

Chicago, Ill.

B.S. in Civil Engineering

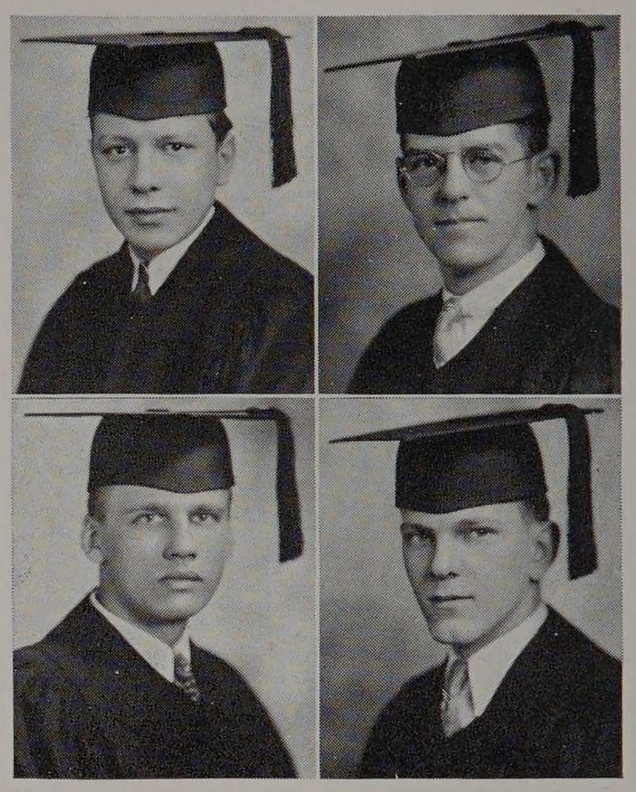
Crane Technical High School, Chicago, Ill. Tau Beta Pi; Chi Epsilon; Glee Club 3; Armour Players 4.

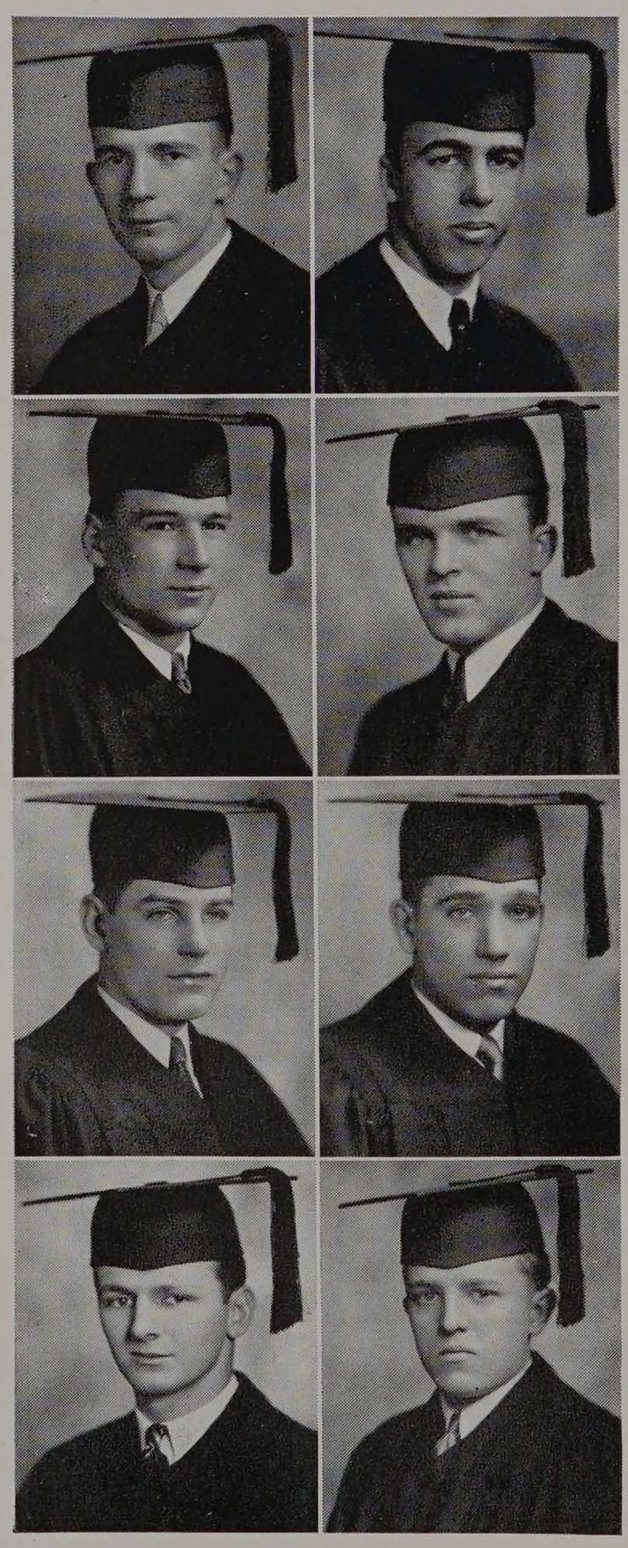
Simpson, Robert F.

Chicago, Ill.

B.S. in Civil Engineering

Parker High School, Chicago, Ill. Phi Pi Phi, President 4; Interfraternity Council 4; Glee Club 4.





Smith, Eric H.

Forest Park, Ill.

B.S. in Civil Engineering

Proviso Township High School, Maywood, Ill. Triangle; Chi Epsilon; W.S.E. 3, 4; Interclass Track 3, 4.

Spangler, Charles D.

Chicago, Ill.

B.S. in Civil Engineering

Morgan Park High School, Chicago, Ill. Campus Club 2, 3, 4; W.S.E. 3, 4.

Stahl, Ralph W.

Chicago, Ill.

B.S. in Mechanical Engineering

Senn High School, Chicago, Ill. Pi Tau Sigma; Truss Club 2, 3, 4; Chess Club 3, 4.

Stasiulis, Anthony P.

Chicago, Ill.

B.S. in Civil Engineering

Englewood High School, Chicago, Ill. Phi Pi Phi; W.S.E. 3, 4.

Storey, Donald G.

Chicago, Ill.

B.S. in Civil Engineering

Zion Preparatory College, Zion, Ill. Phi Pi Phi; Glee Club 1; W.S.E. 3, 4; Engineer 3, 4.

Streb, Louis H.

Chicago, Ill.

B.S. in Civil Engineering

Calumet High School, Chicago, Ill. Delta Tau Delta; Honor A; W.S.E. 3, 4; Tennis 1, 2, 3, 4, Captain 3, 4; Cycle 2, 4, Fraternity Editor 4; A.T.A.A. 1; Photography Committee 4.

Suman, Robert W.

Chicago, Ill.

B.S. in Mechanical Engineering

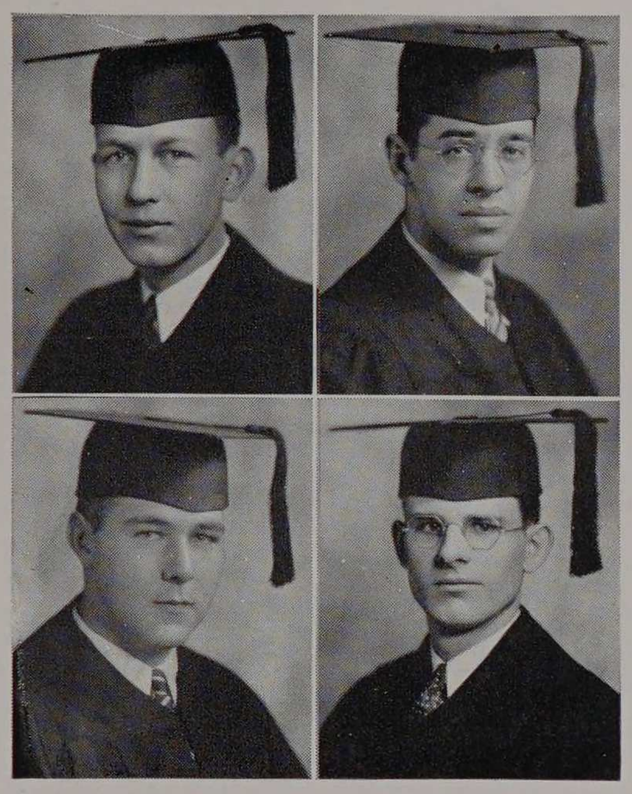
Crane Technical High School, Chicago, Ill. Tau Beta Pi; Pi Tau Sigma; A.S.M.E. 3, 4, President 4; Boxing 2, 3, 4; Swimming Manager 4; Class Social Committee 4.

Svoboda, Emil A.

Berwyn, Ill.

B.S. in Mechanical Engineering

Morton High School, Cicero, Ill. Glee Club 2, 3; A.S.M.E. 4; Tech News 2, 3, 4, Circulation Manager 4.



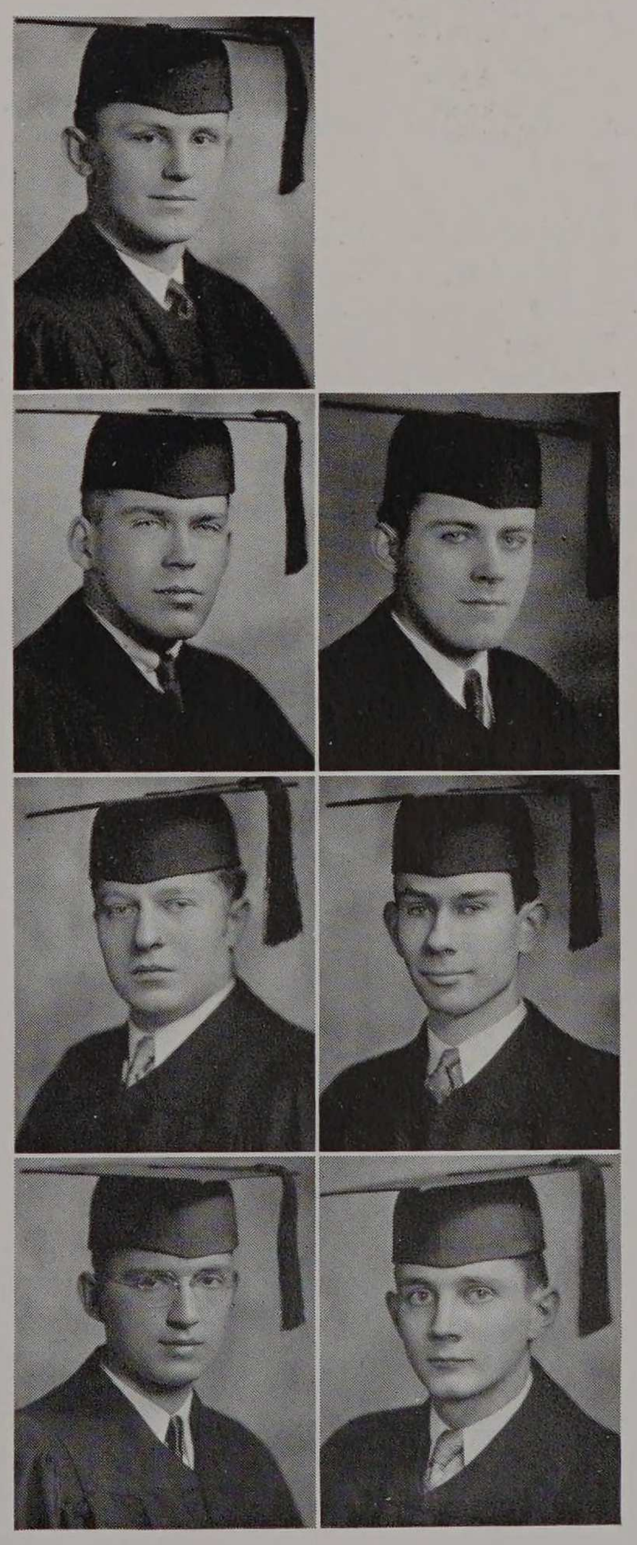
Swanson, Robert W.
Chicago, Ill.
B.S. in Fire Protection Engineering
Calumet High School, Chicago, Ill. F.P.E.S. 1, 2, 3, 4; Swimming 1, 2; Cycle 2.

Tague, Robert B.
Chicago, Ill.
B.S. in Architecture
Lane Technical High School, Chicago, Ill. Scarab; A.A.S. 1, 2, 3, 4; Tech News 2, 3.

Tamney, J. Edward
Chicago, Ill.
B.S. in Electrical Engineering
Crane Technical High School, Chicago, Ill. Pi Nu Epsilon; Campus Club 3, 4; Orchestra 1, 2, 3, 4; Glee Club 4; A.I.E.E. 3, 4.

Thomas, Curtis W.
Chicago, Ill.
B.S. in Mechanical Engineering
St. Ignatius High School, Chicago, Ill. Trus sClub 2, 3, 4; Glee Club 2; Chess Club 4; A.S.M.E. 3, 4; Tech News 1; Class Social Committee 4.

Thompson, Paul J.
Chicago, Ill.
B.S. in Electrical Engineering
Austin High School, Chicago, Ill. Eta Kappa Nu, President 4; Orchestra 2, 3, 4; Stresses and Strains 2; A.I.E.E. 2, 3, 4; Tech News 2, 3, 4, Associate Editor 4.



Traver, Don E.
Riverside, Ill.
B.S. in Mechanical Engineering
Riverside-Brookfield High School, Riverside, Ill. Pi Nu Epsilon; Rifle Club 4; A.S.M.E. 3, 4; Orchestra 2, 3, 4; Interclass Baseball 1.

Walschlaeger, Theodore W.
Chicago, Ill.
B.S. in Electrical Engineering
Crane Technical High School, Chicago, Ill. Glee Club 1, 2, 3, 4; Orchestra 1, 2, 3, 4.

Wojtasik, Edmund M.
Chicago, Ill.
B.S. in Mechanical Engineering
Carl Schurz High School, Chicago, Ill. Rifle Club 3; A.S.M.E. 3, 4; Boxing 1, 2.

Wood, Earle R.
Chicago, Ill.
B.S. in Mechanical Engineering
Senn High School, Chicago, Ill. Pi Tau Sigma; A.S.M.E. 3, 4.

Wysocki, John S.
Berwyn, Ill.
B.S. in Electrical Engineering
Harrison Technical High School, Chicago, Ill. Crane Junior College, Chicago, Ill. A.I.E.E. 3, 4.

Zukowski, Chester M.
Chicago, Ill.
B.S. in Architecture
Holy Trinity High School, Chicago, Ill. Interclass Basketball 1, 2, 3, 4; Interclass Baseball 3, 4.

SENIORS SANS PICTURES

Babcock, Gifford S.
Clifton, Ill.
B.S. in Electrical Engineering
Kankakee High School, Kankakee, Ill.

Bartlett, Frederic C., Jr.
Chicago, Ill.
B.S. in Architecture
Lake Placid High School, Lake Placid, Florida; Harvard University, Cambridge, Mass., Scarab, Dickie Club, Hasty Pudding, Institute 1770, Iroquois Club, and Instrumental Club, Harvard; A.A.S. 1, 2, 3, 4.

Benya, John A.
Nokomis, Ill.
B.S. in Architecture
Nokomis Township High School, Nokomis, Ill., University of Illinois, Urbana, Ill., Delta Alpha Pi; Scarab; A.A.S. 3, 4.

Bewersdorf, Ernest C.
Lockport, Ill.
B.S. in Chemical Engineering
Lockport Township High School, Lockport, Ill.; Theta Xi; A.I.Ch.E. 3, 4; Interclass Baseball 1, 2.

Ellis, Raymond L.
Petoskey, Mich.
B.S. in Fire Protection Engineering
Petoskey High School, Petoskey, Mich.; Theta Xi; F.P.E.S. 1, 2, 3, 4; Tech News 1, 2, 3, 4, Fraternity Editor 3, Associate Editor 4; Inter-class Basketball 1.

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

Johnson, Lester O.
Chicago, Ill.
B.S. in Architecture
Calumet High School, Chicago, Ill.; Crane Junior College, Chicago, Ill.; Scarab; A.A.S. 1, 2, 3, 4.

Markham, Ralph
Chicago, Ill.
B.S. in Civil Engineering
Lane Technical High School, Chicago, Ill.; Truss Club 2, 3, 4.

Meacham, Edward O.
Chicago, Ill.
B.S. in Civil Engineering
Phillips High School, Chicago, Ill.; Tech News 2, 3; Engineer 2, 3.

Priest, Leland G.
Chicago, Ill.
B.S. in Architecture
Bowen High School, Chicago, Ill.; A.A.E. 1, 2, 3, 4.

Schofield, Raymond J.
Palos Park, Ill.
B.S. in Chemical Engineering
Englewood High School, Chicago, Ill.

Schwab, Raymond J.
Chicago, Ill.
B.S. in Architecture
Senn High School, Chicago, Ill.; University of Illinois, Urbana, Ill.; Chi Psi; Scarab; A.A.S. 3, 4.

Velat, Frank L.
Chicago, Ill.
B.S. in Architecture
Morton High School, Cicero, Ill.; A.A.S. 1, 2, 3, 4; Rifle Club 1.

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

Woodsmall, Frank J.
Chicago, Ill.
B.S. in Electrical Engineering
Crane Technical High School, Chicago, Ill.; Chess Club 3; A.I.E.E. 3.

THIRTY-SEVENTH ANNUAL COMMENCEMENT

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Donald George Braun
Abe Brotman
John Otis Cavanagh
Seymour Goodheart
William Aaron Holland
Orville Guy Linnell
Harold Stanley Nelson
William Joseph Santina
Charles James Stamberg
Gervase Joseph Stockmann
Arthur Roderick Viel
Torgny Joel Westerberg

For the Degree of Mechanical Engineer

Sidney Isadore Cole
Harold Gustaf Froberg
Karl Henry Paul Otte

For the Degree of Electrical Engineer

Edward Stanley Larson
George James Taylor
Walter John Zenner

For the Degree of Civil Engineer

Frank A. Danda

For the Degree of Chemical Engineer

Charles Edward Morris
John Edwin Tarman

For the Degree of Fire Protection Engineer

Kent Hamilton Parker

AWARD OF HONORS

Honor Man of All Departments

James William Juvinall

Honor Man of the Department of Mechanical Engineering

Martin Fuhrer

Honor Man of the Department of Electrical Engineering

James William Juvinall

Honor Man of the Department of Civil Engineering

Herman Meyer

Honor Man of the Department of Chemical Engineering

John Herman Miller

Honor Man of the Department of Fire Protection Engineering

Carl Nolen Clanton

Honor Man of the Department of Architecture

Wilfred Waechter Davies

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The Institute Marshals

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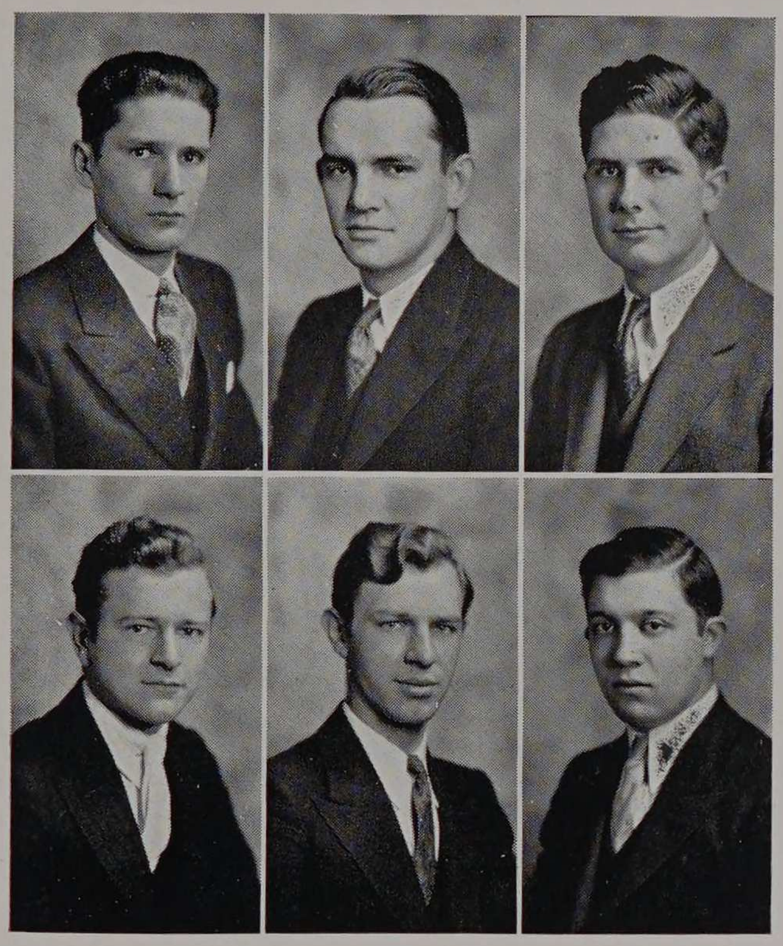
William White Colvert, *Assistant Marshal*
Arthur William Sear, *Assistant Marshal*

The Student Honor Marshals

Charles Arthur Cunningham
Earl William Gosswiller
Walter Edmund Gunderson
Theodore H. Irion
Russell Roberts Johnson
Irving Arne Kolve
Raymond James Maci
Brockway McMillian
George Albert Nelson
Elmer Paul Renstrom, Jr.
John Edward Schreiner
Edwin N. Searl
George William Wheaton
Donald Erwin Young



Beckman, Stocking, Ahern
Jones, Maurer, Bard

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Thomas F. Jones
Sergeant-at-Arms

JUNIORS

Three-quarters of our stay at Armour has passed and there remains but one-quarter of what we will always remember as a most pleasant period. As we look back over these three quarters of the path to higher education we see the many successes and achievements which result from work well done. As we looked forward three years ago, and resolved to someday acquire that bearing of dignity that seemed to mark the upper-classmen, the path seemed long and filled with difficulty. Now, as we look back, we wish that it were not so short; that we might linger longer and not have to leave in one short year. True, many of our companions during the early part of the journey have been unable to stay with us, but, although we regret the thinning of our ranks, we who remain feel that we are particularly well fitted to forge ahead to the goal of commencement. With the knowledge that we have now passed the most difficult portion of our journey, we are looking forward to the additional enjoyment which will be ours as seniors. Now the countless hours spent in mastering the essentials of engineering seem well spent.

Together with these memories of scholastic achievement we see many memories of the more enjoyable events of the past. Early in our first year there was the Freshman Handshake where we discovered that college life is not all in books and that professors are like ordinary individuals out of class. There was a short let-up in studies while we enjoyed a dance sponsored jointly by the Freshman and Sophomore classes. Junior week soon arrived with its traditional class rivalry; a week filled with the joy of battle and a great victory over the Sophomores.

When, after a summer vacation, we encountered the difficult work of the second year we were undismayed. Because of the thorough habits of study, determination, and clear thinking which we had formed during our Freshman year we were able to overcome all our difficulties with an ease that surprised us. Between these struggles with our lessons we found time to engage in many extra-curricular activities which are so necessary to a well rounded college life. We began to see our companions on the athletic teams, the publications, and in the musical organizations. During our second year we came into prominence as a class by winning the inter-class competition in basketball, track, and soft ball. Although we were greatly outnumbered in the class rush, we put up a great fight in losing to the Freshmen. To us at least, the outstanding social event of the



Williams, F. Meyer, Birdsong, LaPedus, T. Omiecinski, Radvillas, Phillips, Mezera
Adamec, Palo, Christoph, Lauchiskis, Youngkrantz, Humiston, Mayerowicz, Weiland
Kazmierczak, Krok, May, W. Ahern, Goldberg, Henoch, Hoffman, Patterson, Shimkaitis

year was the Freshman-Sophomore Informal Dance held in March. Again we cooperated with our rivals to stage an outstanding dance which was highly successful in all ways. It was in our second year that the ties of friendship which were started the first year were greatly strengthened and we began to feel that we could count on our companions in time of need.

The third year has been even finer and more enjoyable than those which have gone before. With the passing of the half-way point we began to reap the results of our work during the first two years. We were Juniors and entitled to certain privileges and a greater freedom from faculty supervision which fostered a more cooperative atmosphere about our work. Our interests widened to include many of the curricular and extra-curricular activities. While the branching out into the various specialized studies tended to separate the class into groups, there was still a feeling of cooperation and friendship which held us together. Although we were unable



Freilinger, P. Smith, Kerlin, Trudelle, Roberts, J. Ahern, Hedin, Bard
L. Davidson, Forsyth, Vendley, Skjordahl, Fenske, Dalton, Willis, Koeber
Wittekindt, Levin, Levy, Highman, Milton, Lieberman, Schneider, Higgins

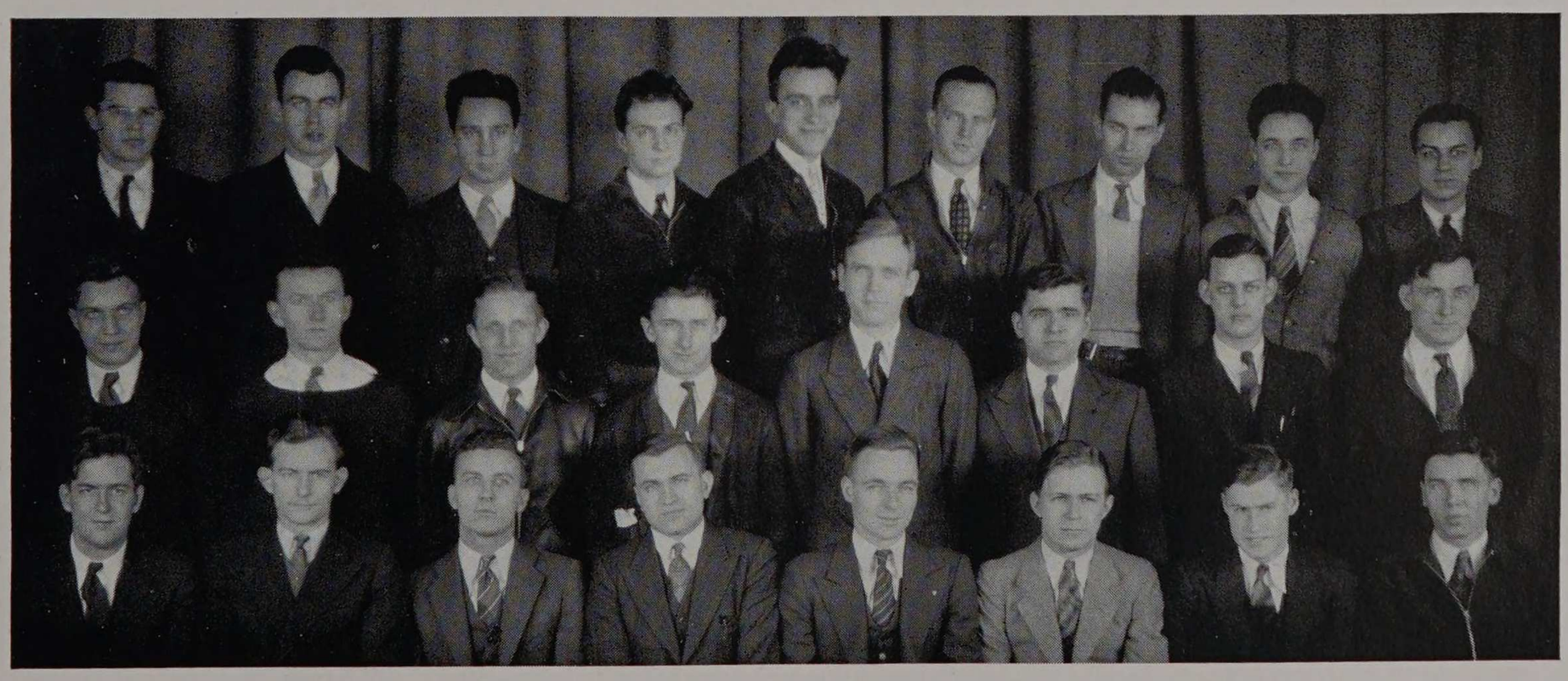


Lyford, G. Thompson, Samuels, Grossman, Buchhauser, Chiappe, Faro, Addis
Skach, Maci, Dushek, Beckman, Pechota, Granger, Slavitt, Kvapil
Bradac, Fotter, Henning, DeBoo, T. Jones, Nakayama, M. Sumner, Esbensen

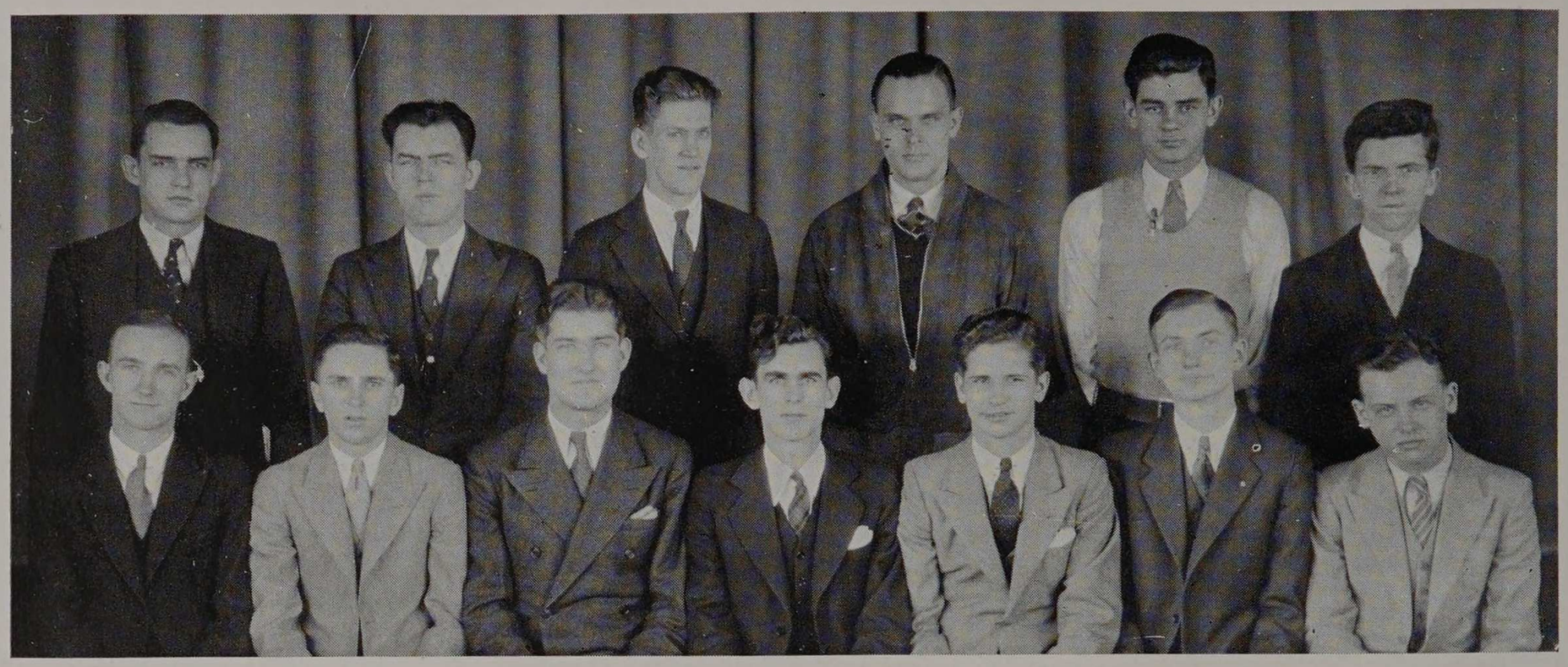
to repeat all of our athletic triumphs of the previous year, we nevertheless showed the other classes that the Juniors were rivals to be feared.

The Junior year in college is the year of greatest social activity. In the struggle against the depression, it was demonstrated that by holding the Junior Informal outside the downtown district it was possible to hold a dance that was successful in all ways and at a price which was the lowest in the history of the school. The Prom, which proved a fitting climax to Junior Week, was an event that will live long in the memories of all who attended. Junior Week, where college life finds its best expression, was a notable achievement due to the able management of the Junior Marshals and their assistants.

Members of the class have given much of their time and effort to the various activities and have in many cases shown outstanding qualities of leadership. During the year, recognition has been accorded many members of the class for their work. They have re-



D. Moore, J. Hazleton, Handler, Hahn, Kulpak, Delang, Schnackel, Reisz, Hoot
Petraitis, Cullen, Uzunaris, Berger, Baumel, Aravosis, Renstrom, Miller
Bisbee, Galbraith, Petersen, Stanovich, Wolf, Hedlund, Friede, Wertzler



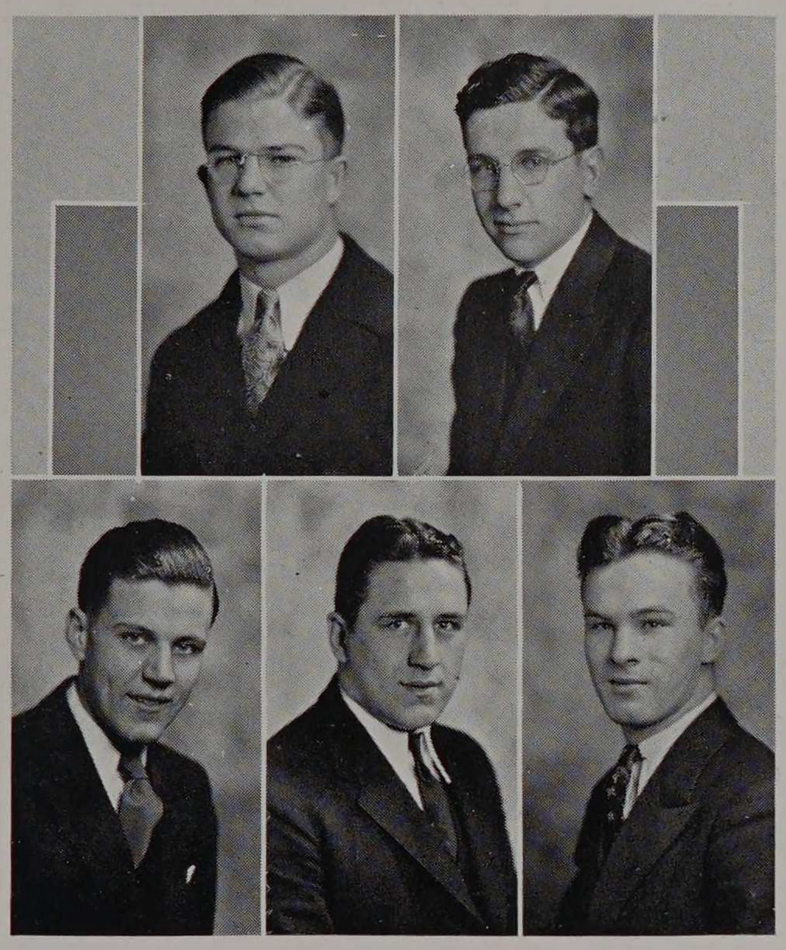
Stocking, Curran, G. Nelson, Olson, Bristol, Morrison
Biegler, Marow, Wheaton, Zibble, Cannon, Searl, O'Connor

ceived memberships in the honorary societies, and executive positions in the various organizations and publications. Many have received athletic awards. Soon the members of the class will have the management of all the outside activities in their hands, and past performances show that they will be well handled.

Three years have passed and have made great changes in our class. We entered, what now seems a short time ago, green freshmen who knew little of college life, its works and its pleasures. Now we are the leaders who must carry on the traditions of the school and help prepare the lower-classmen to fill our places when we too are gone. We have been tried and tested, and those who remain feel that we are fitted to follow the engineering profession with a high degree of success. Soon we will be leaving but until then we intend to enjoy one more year of life at Armour. We know that this last year will be even greater than those which have just passed.



Potash, Kettlestrings, B. Jones, Bernstein, Lester, Bolton, Trzyna
Grakavac, Thomsen, Leonas, West, Edgren, N. Maurer, Rigoni



Larson, Zwissler
Scott, Peterson, Hughes

OFFICERS

John O. Larson
President

John C. Scott
Secretary

Gordon A. Zwissler
Vice-President

Ray. A. Peterson
Treasurer

I. Murray Hughes
Social Chairman

SOPHOMORES

With the summer of 1934 coming into view, we stop to relax and to look back on one of the hardest of the four school years. Upon entering on our work in the sophomore year it was much different than when we entered the year previous. Instead of being timid as we were in our freshman year, we came back with that spirit which all sophomores have, the determination to succeed. We accomplished what had been contemplated for some time; we made the freshmen wear green hats. The green hats brought out the college spirit at Armour to a large extent. It was the duty of the Sophomores to see that the freshmen wore the hats. This we did with a great deal of zeal. In fact, we were so zealous that the green hat idea was abandoned after the Thanksgiving vacation. This was to save the freshmen from being completely annihilated.

It was much different entering school as a sophomore. We saw things differently, we acted differently, we had a new feeling of confidence about us which we knew would be hard to beat. Although we did not fully realize it at the time the year started, this feeling of confidence was to be sorely tried by the difficult subjects in the sophomore program. We, as individuals, had to work very hard to keep abreast of our fellow students. In our freshman year we started in as strangers but in our sophomore year all this was different. We had our friendships which had started the year before. These friendships were a great benefit to us all through the year. With the progress of our sophomore year we began to find that where there were more people more things were discovered. So it was with us, and instead of playing the game of solitaire, we found a feeling of mutual interest which we feel sure will stay with us for many years to come. Although many of our class were players on varsity squads in their first year, the second year brought forth an even larger number of varsity candidates and regulars. In the inter-class events such as track, baseball, and basketball our class teams did their best against older and more experienced players. As freshmen we painted the school green and in general defied all the other classes. As sophomores the shoe was on the other foot. We found it necessary to discipline the freshman class for the appearance of too much green about the school. At our first sophomore class meeting we inaugurated the idea of having a sophomore class jacket which would be worn the remaining years in school. This would be a substitute for the senior jacket which could be worn only a few months. With this also came the



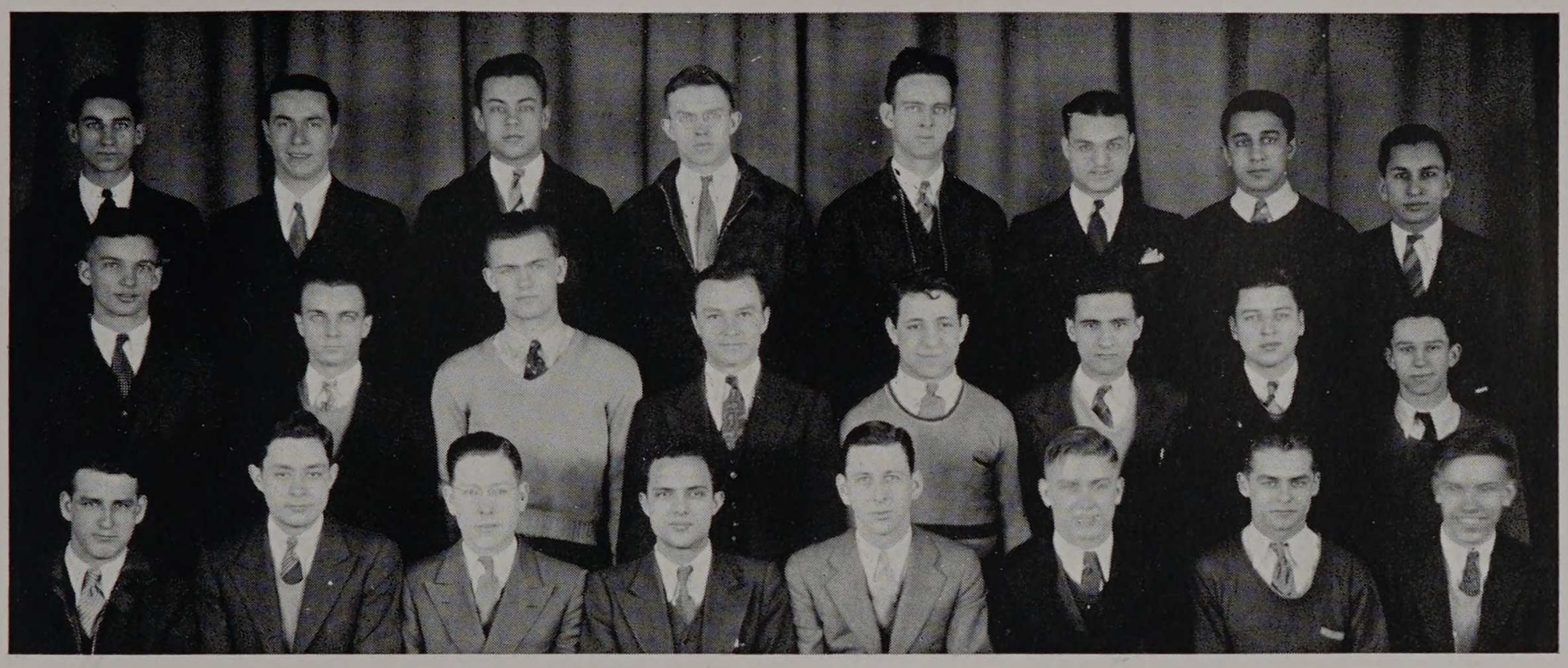
Bergquist, Dworsky, Styrsky, Rehling, Knabe, Savidis, Fogle, Wolniak
D. Stevens, Doudera, Penzel, Nylen, Petters, Galandak, McMullen, Vormittag
Tallitsch, Zwissler, Bottelson, Olufsen, Ramotowski, Brauer, Ikenn, McGrath

question of standardized class jewelry. These matters were thrashed out thoroughly and to the satisfaction of the majority of the class.

As will be found in every engineering curriculum, there is little time for social life and activities. In spite of this, however, we knew that an extra-curricular activity should be in everyone's program. With this in view we entered into a very successful year of outside activities. The class was represented in every field; News, Cycle, Engineer, Orchestra, and varsity sports. Our first taste of social life at the Institute was the Freshman Handshake, where amid cider and doughnuts we had our first view of what the rest of the school looked like. We found there a feeling of welcome which we certainly appreciated. In our sophomore year, however, our big event was the Freshman-Sophomore Dance, which everyone agreed was a big success. By doing this we upheld the tradition of the entering class as well as further advancing the



O. Nelson, Parsons, Waldemann, Maack, Schmidt, Gartz, Wichlacz, Doede, Collins, W. Fleig, Hoffman, Quayle
Norris, Francis, Wieting, Christensen, Land, Gruca, W. Gray, Endert, Viehe-Naess, Rice, Wasylciw, J. Meyer
Pattison, Freireich, Breh, Knaus, Howell, Luce, Majercik, Rootberg, Strazz, Kaplan, Edmunds, Ramirez
Stein, Bejcek, Lischer, Van Scoyoc, Cordes, J. Larson, R. Johnson, Scott, Mieczkowski, D. Fleig, Linden, F. L. Smith



Hella, Rothschild, Kraemer, Dunn, A. Lane, Mandelowitz, Papas, Simons
Nachman, Tuma, Greenman, Dombrowski, Horwitz, Lisciani, Cotterman, Auler
Hickey, Denny, F. Schmidt, Pantone, Costello, R. Wm. Schmidt, Boberg, Bill

Freshman-Sophomore relations. At this time, with our second year behind us, we find, as all other classes have before us, that our ranks have thinned out. We who are left, however, find ourselves bound together with a bond of true friendship. We feel that we, the picked members of one of the largest classes ever to enter the Institute, are the men of that class who have the ability to keep going until we conquer. We knew from all previous reports that this year would be our stumbling block. It has been; not however, to a very great extent, and reviewing our ranks we find that we have been quite successful in passing the first two years of our four years in college. This year, which we have just completed, has undoubtedly been a colorful one. It has had its good and its bad times, the latter, however, being heavily outweighed. It has been hard work, but we enjoyed it, realizing it has been an aid to us in the struggle to accomplish our goal. With the knowledge we have obtained, we will now branch out, each with his own ideas and each with his



Whalon, McMillan, Kercher, Chapman, Ormsby, Gilkison, Rulis, Engstrom, Kreft, D'Arco
Zmeskal, Clark, Balai, Johnsen, Paulsen, B. Lane, J. Smith, Malinowski, R. Stevens, Tallafuss
Kahles, Sturgeon, L. Siegel, Smetana, Shunt, Robbie, Freund, Milleville, Ragan, Hagenauer



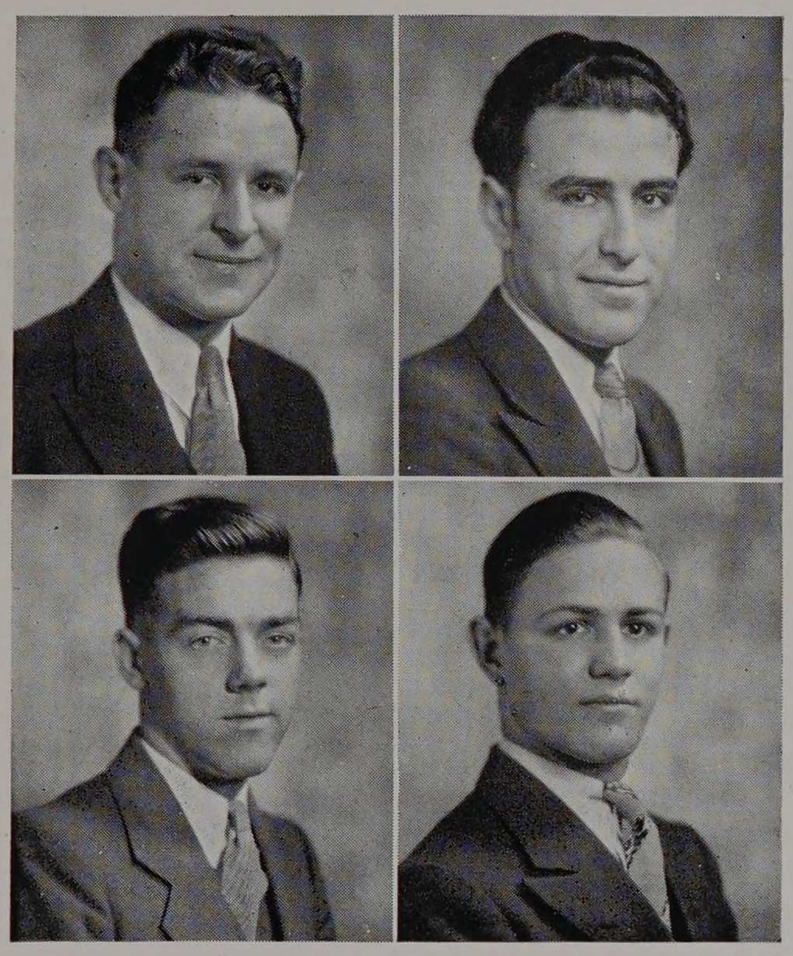
Davis, E. Johnson, Knittel, Ford, Hamlin, Freeman, Houtsma
M. Stevens,Stutz, Timberlake, Mansfield, Haeger, Rundell, Wright, DuSell
Malovac, Neal, Kirsch, Alt, Hughes, R. Peterson, Mozoleski, R. Lange

own goal.

In this branching out into the specialized courses of engineering we will make new friends and form new interests. This will be the actual beginning of our training in that particular field in which each of us is most interested and in which each of us hopes to become established in the engineering world. The two years which we have already spent in study at Armour have been interesting ones, but the two years yet to come will be far more interesting than those just past. These two years will see us as upper classmen whose duty it is to carry out the customs and traditions of Armour as have Junior and Senior classes before us. Ours will be the task of gaining honor in the scholastic and activity fields in order that our class may take its true place with those which have gone before it. In our freshman and sophomore years we made our start both in learning and in activities and it will now be our task as juniors and seniors to round out our college careers into finished products.



Sirr, Ruppert, Shewchuk, O. Miller, Dudley, D. Graham, Penn, M. Holland
Vaillant, Marslek, Kropf, Kraus, Bill, Boberg, R. Schmidt, Newman
N. Cooper, Ganzar, Bothwell, Flagge, H. Sumner, Koriath, Quandee, Brown



Tice, Ross
Shanahan, Reh

OFFICERS

Harold Tice
President

David Joslyn
Secretary

Jack Shanahan
Vice-President

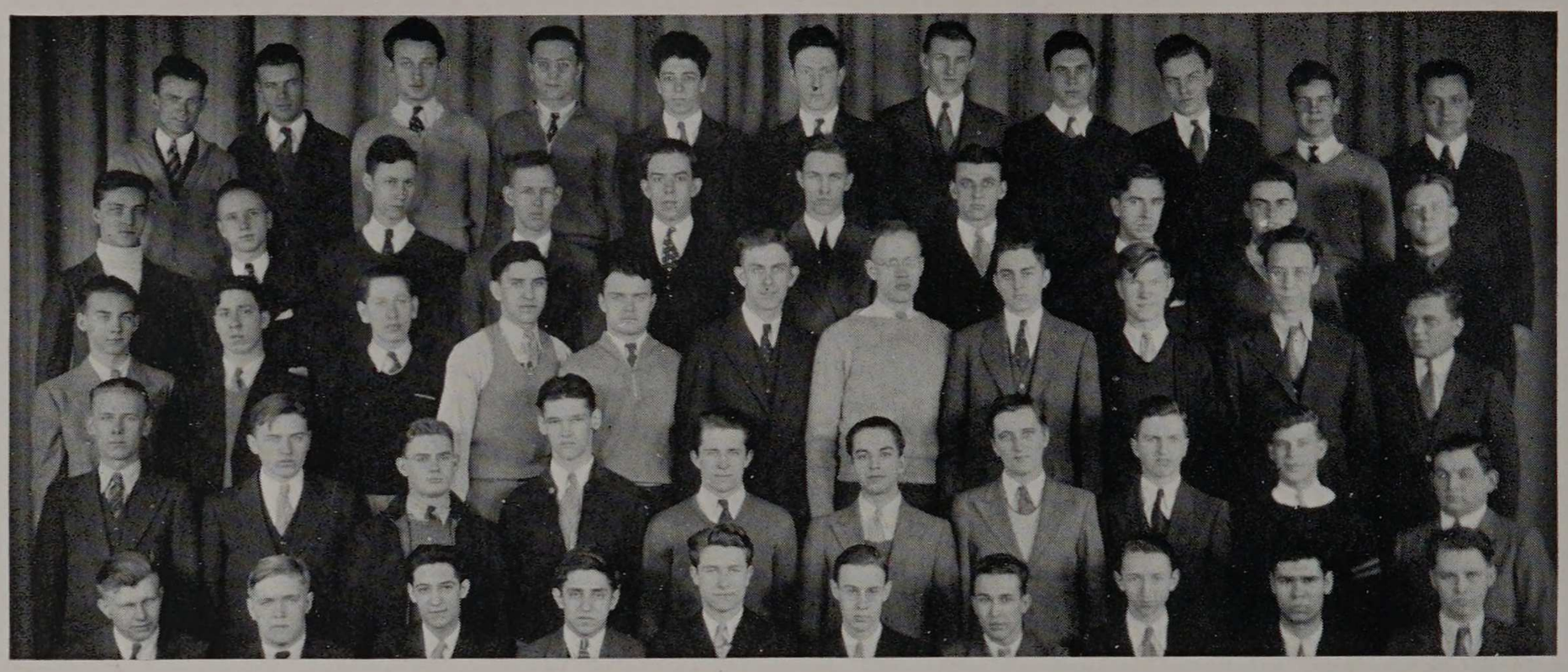
Sherman Ross
Treasurer

Paul Reh
Social Chairman

FRESHMEN

The college careers of two-hundred and thirty-nine Armour men began September 18th, 1933. The entering group looked with awe upon the buildings and wondered what college life would be like. The strangeness of the school soon wore off, however, and the normal routine of the year's work took its place. One of the first things the freshmen learned was that they were expected to wear small green hats on their heads when they were in the vicinity of the school. The green hats were worn to assist the freshmen in getting acquainted and to help them develop a stronger class spirit. Just as the freshmen are becoming accustomed to life at Armour, the whole scene undergoes a swift change. Fraternity rush week is upon them. They are suddenly elevated from their lowly position as freshmen to the most sought-after group in the school. The wise newcomers do not let this sudden popularity turn their heads so that when rush week is over they are not surprised at the second change in the social position of the class. They realize it is all a part of college life. The serious business of the class election looms on the horizon and after a stiff political battle the officers are chosen and installed for the school year. The class is very active in the interclass athletic events. A large number of men turned out for both the basket-ball and the base-ball squads and as a result the class gave a very good account of itself. The semester has a very welcome break in Thanksgiving vacation during which everyone forgets all about school and eats lots of turkey. On our arrival back in the classrooms we discover that maybe we should have studied a bit over the vacation as the ten week warnings are issued. This means a lot of hard work before we are able to enjoy the long Christmas vacation with a clear conscience. The three week period between the Christmas vacation and the final examinations passes too quickly for those of us who stand none too well in our studies. It is a period of tense anxiety for all of us as we head toward our first college final examinations.

The new year, the new semester, the new resolutions to study harder, the new activities to engage in, all greet the freshmen with the beginning of the second half of his first college year. The school has lost its strangeness, acquaintances have become fast friends. The social life of Armour has quickened in its tempo, the basket-ball team is in the height of its season, and the freshmen look forward to the longest and best part of the college



Lynch, Olson, Miner, Sulinski, Goldsmith, Popper, Hevrdejs, Kreml, Schwarz, Hackman, Sobolik
Boylan, Westerman, Mason, Hopkinson, Haase, Phillips, Bartusek, Berkland, Vanderkloot, L. Kraft
Lohmiller, Saletta, Sorkin, Taradash, Richardson, Dierks, Johanson, Ramp, Graupner, Morrison, Constanzer
Magnuson, Hlousek, Wobig, Becker, Skuza, Wilczynski, McDonough, McCaulay, Vuillaume, Schmaltz
Wilkinson, Forsberg, Provenzano, Wasserman, Nobler, Johnstone, Evans, Slowiak, Kichaven, Franzen

year. The Freshman dance, one of the big social events of the year at Armour, and certainly the biggest social event of the year for the freshmen, is a big success. The class soon settles down to the serious work of the studies with little to interfere for several months. All work and no play will make even a high spirited freshman class restless, however, and as the long awaited Junior Week approaches class spirit becomes more and more in evidence. Green flags and pieces of bunting with the numerals 1937 begin to appear in surprising places. The sophomore class resents the decorations and pulls them down. The freshmen resent the ruination of their decorations and give battle to the sophomores. Fire-extinguishers, buckets of water, in fact, anything handy is used to repel the sophomores. Junior Week finally arrives with its numerous activities which keep



Kelbe, Fraizer, E. Holland, Stehman, I. Thunder, McGuone, Starmann, Hefner, Skeppstrom, R. Thunder, Hawley, Donnelly
S. Kaplan, Brissman, Heinz, Bacci, McAuliffe, Tomei, Underwood, Ruekberg, Dreis, Kacel, Werlein, Schultz
Onions, Shanahan, Leason, Callahan, Graf, Boehme, Downing, Aebischer, Schulz, Riman, Ball, Gunther
Hart, T. Baker, Ender, Fineman, Behm, R. Levy, Denio, Kirkpatrick, Donlan, E. Hoyer, H. Jones, Emmerich



Sodaro, Pulliam, Kelly, Fanta, Ayer, Hoffert, Goede, Ahheron, Winkler, Waite, Kreiman
D. Baker, Hockert, W. Hazleton, Lundberg, Saltzman, W. Peterson, Geeraerts, Rueff, Strauss, F. Anderson, S. Brenner
Suhr, Alexander, C. McCarty, Renstrom, Folkrod, Mezek, Darniain, Lopina, Carroll, Hanley, Carstens, Galler
Kubert, Harwood, Bolz, Heintz, Heidman, Pachowicz, C. Peterson, Amory, Zwissler, Rosa, Clarke, Appel

many members of the class too busy to pay much attention to studies. Open House Night, Spring Musicale, and Interfraternity sports make up much of the program of Junior Week. The big event of the week, however, is the interclass rush between the freshman and the sophomore classes. Due to superior numbers, this event is usually won by the freshmen. The time between Junior Week and the close of school is very short when one thinks in terms of final examinations. The warm spring air makes one want to forget about the studies but the thought of the examinations makes one stick to the job till the end of the school year. At last the final day passes and we are freshmen no longer. We have passed thru our first college year and by September will be looking forward to another bigger and better year at Armour.



Bodenmann, Phelan, Jaedtke, Wilhelm, Smidl, Mileika, Niemann, F. Davidson, Merz, W. Schreiber
Fleissner, Simek, Svehla, Jost, Brink, Paulaitis, Hale, Heike, Stuecheli, Gerber, Devereaux
Loftus, Kraft, Vanderkloot, Ross, Rezabek, Martin, Forberg, Gagliardo, Graf, Kreisel, Simeon, Mashman
Chase, Winel, M. Holland, B. Johnson, Watrobinski, Reh, Petrosky, L. Lange, Vanderpoel, Machulis, F. Anderson, Ricker



ACTIVITIES



The railroads, which form one of the industry's major means of transportation, come to Chicago from every direction and carry the fruits of her industry to all parts of the world. They employ men from all walks of life. The above view shows the construction of a railroad bridge for the Illinois Central Railroad.



The First
Arch Dance

ARCHITECT'S DANCES

The first Architect's Ball was held November 24 in the beautiful Colonial Room of the Steuben Club. Although the architects predominated in attendance there were many from the engineering school at the dance and all agreed that it was one of the finest that had ever been held. The bids, as might be expected of the architectural school, were very nicely designed and were blue in color.

Miss Marion Rawls, Mrs. Nancy Saunders, and Professors C. G. Blough, W. F. McCaughey, Sholto Spears, Lindsay Suter, and their wives were the chaperones included in the party. The arrangements were handled by a committee of junior architects headed by R. E. Esbensen and W. H. Sobel.

Due to the success of the first Architect's Ball and a feeling that the approach of spring deserved some celebration, another fine dance was given by the architects on March 9. The site of the party was the Tower and Town Club and the music was furnished by Wilson Barnett's orchestra. The pleasant atmosphere and spacious dancing facilities made a delightful sojourn from the daily routine of Armour life.

The chaperones included Dean and Mrs. Heald, Professors Suter, McCaughey, Wallace, and their wives, besides Professors Hofmeester and Rathburn, Mrs. Saunders, Miss Dodge, and Miss Rawls. We hope the architects are as successful in architecture.



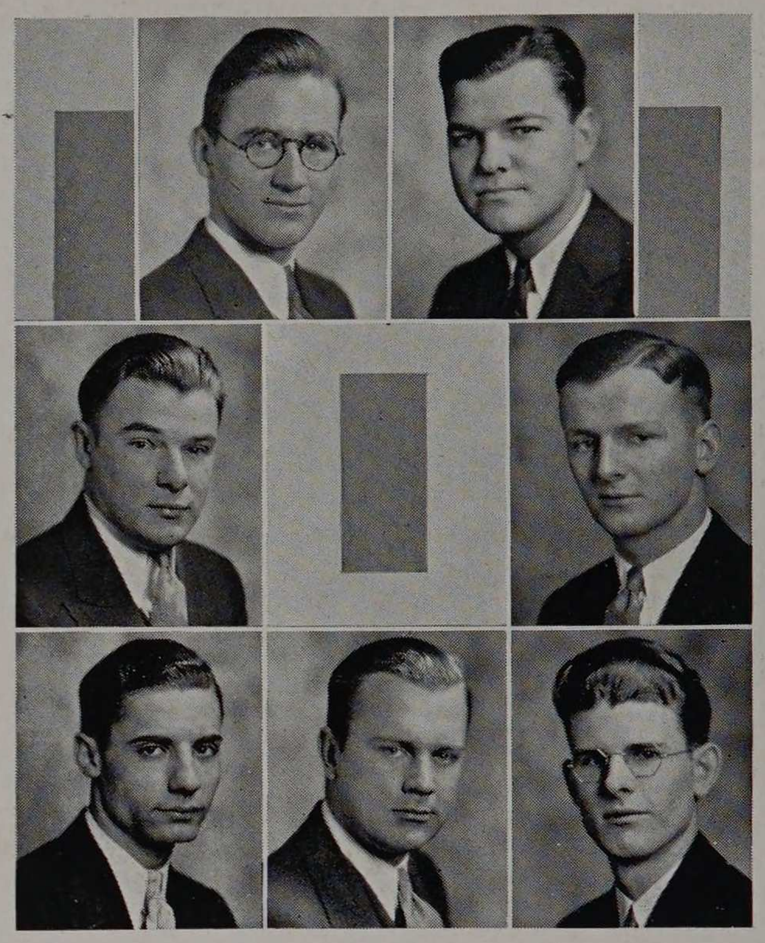
The Second
Arch Dance

SENIOR INFORMAL

The class of '34 centered its activity in the Gold Room of the Congress Hotel on the evening of Friday, December 8, 1933. It was here that the Senior Class played host to the socially inclined of Armour Institute during the progress of the first informal dance of the past winter season. Throughout the course of the evening the guests manifested their various approvals of the efforts of the upperclassmen by thoroughly enjoying the time spent with them.

Tables were placed around the dance floor as a means of further increasing the degree of sociability of those present. An auxiliary, in this respect, to the tables was found in the large number of lounges available in the room adjoining the dance floor. A further boon to the success of the dance consisted in the serving of punch to quench the thirst of all who cared for it.

Every effort was put forth by the social committee to make a creditable showing for the Senior Class. In parallel with this statement it may be said that every indication given by the guests was an expression of whole-hearted approval of the entire affair. A fair unit of judges for the success of the dance was made up of the chaperons; Dean and Mrs. Heald, Professors Ensz, Swineford, Winston, and their wives.



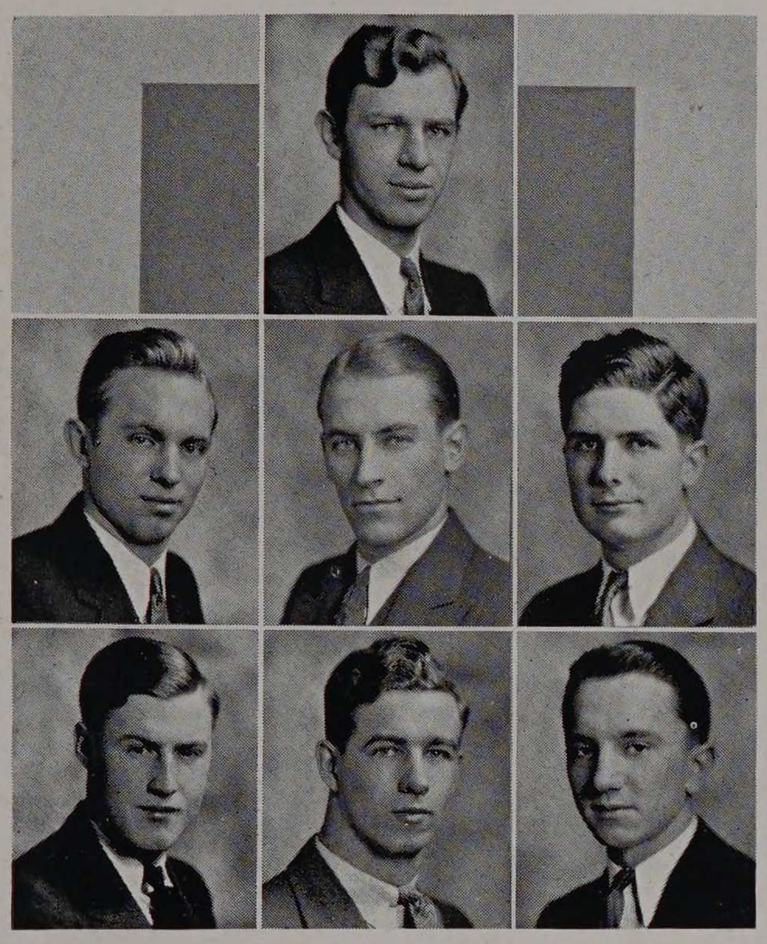
McDonald, Cosme
Quinnell, Suman
Machinis, Gibson, Thomas

SOCIAL COMMITTEE

Leo J. McDonald
Chairman
Luke Cosme
Chairman
Bernard N. Gibson
Peter A. Machinis
Frank A. Quinnell
Robert W. Suman
Curtis W. Thomas



Senior Informal in the Gold Room of the Congress Hotel



Maurer
Fenske, Armsbary, Ahern
Freide, Patterson, Grakavac

SOCIAL COMMITTEE

Nick Maurer
Chairman
Chedo P. Grakavac
Richard L. Friede
Robert O. Patterson
William B. Ahern
Richard D. Amsbury
Earl R. Fenske

JUNIOR INFORMAL

The Junior Class demonstrated its initiative and straightforwardness in dealing with its problems by the way in which it handled the Informal Dance. A school year would not be complete without this traditional social event. During the past season economic difficulties appeared to have practically eliminated the idea of giving such a function on the old basis of using a large ballroom in a downtown location. However, the third year men decided to move to the outlying Hotel Shoreland, secure the services of a good orchestra, reduce the cost of the bids, and then put their offer up to the student body.

The dance project was a complete success. On Friday, January 19, 1934 the Crystal Ballroom contained an assemblage of some 200 Armour couples. It was a fortunate thing that the ballroom is so large and spacious in that most of the dancers were on their feet a great deal of the time. This may be understood when it is noted that the orchestra was led by Charley Straight and accompanied by his entertainers.

The breezes of Lake Michigan, adjacent to the scene of festivities, were visited not only upon students but upon faculty members as well. The chaperons for the affair were Dr. and Mrs. Hotchkiss, Dean and Mrs. Heald, Professors Ensz, Grafton, and their wives.



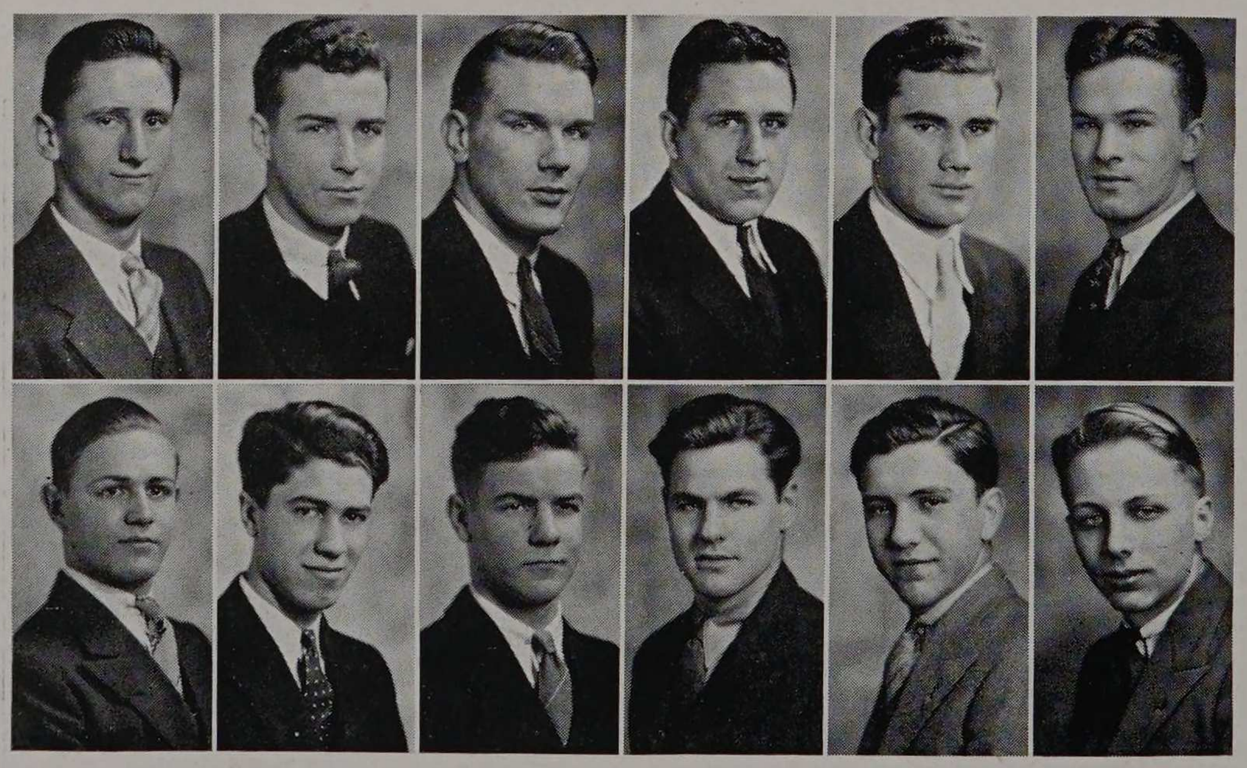
Junior Informal in the Crystal Ballroom of the Hotel Shoreland

FRESHMAN-SOPHOMORE INFORMAL 1933-1934

The elaborately decorated Oriental Room of the Hotel Knickerbocker was the destination of guests of the Freshman and Sophomore Classes on the evening of April 27, 1934. The gayly illuminated glass floor witnessed another joint dance of the two groups. One of the largest crowds of the 1933-34 social season attended and made of the affair a really gay event. Murrey Hughes, sophomore social chairman, and Paul Reh, of the freshman section, spared no efforts in attempting to make a successful showing for the two classes.

In keeping with modern methods of advertising and the heralding of important events, a bid and program contest was conducted preceding the date of the dance. Numerous designs for the bid to be used and its accompanying program were submitted to the judges by the many contestants. Awards were made on the basis of appearance, originality, and practicability. The beneficial effects of such a contest may be judged by considering the large number of both upper and underclassmen who turned out for the social get-together. In the past, the two classes have been able to draw large crowds to their affairs and the occasion of this dance was no exception to the rule.

The spaciousness of the floor and convenience of the lounges further enhanced the value of the Hotel Knickerbocker for the evening. Coming as it does towards the end of the second semester of the school year, the Frosh-Soph Frolic may be thought of as a farewell social party of the first and second year men. This fact is sufficient to warrant the amount of significance attached to the dance by the joint hosts. At any rate, all will agree that the entertainment provided on April 27 was of an exceedingly fine quality.



Paulsen, Fogle, Ford, Peterson, Graham, Hughes
Reh, Tomei, Hackman, Thunder, Taradash, Skeppstrom

SOPHOMORE COMMITTEE

I. Murray Hughes
Chairman
Donald C. Graham
Robert R. Paulsen
Charles R. Ford
Raymond A. Peterson
William H. Fogle

FRESHMAN COMMITTEE

Paul A. Reh
Chairman
David E. Forberg
Frank Hackman
Richard P. Thunder
Edwin E. Skeppstrom
Donald C. Suhr
Oresto Tomei
Samuel S. Taradash

JUNIOR FORMAL

Glamour, color, brilliancy, and gayety are desired by some who attend formal functions. On the other hand, many of us believe that a formal affair should be more serious in character, with a limited amount of the qualities mentioned above. It seems that a happy medium was struck by the powers in charge of the Junior Formal of 1933 in presenting an evening remembered for the degree of satisfaction enjoyed by the participants.

Tradition demands that Junior Week be climaxed by the only purely formal social event of the school year. Thus, on the evening of May 19th, the Pompeian Room of the Congress Hotel was thrown open to correctly attired ladies and gentlemen who could produce the necessary pass for entrance.

The tinkle of china and silverware was accompanied by the music of Gorde Birch's orchestra. As appetites were satisfied the strains of the orchestra were alone, while evening gowns and dress suits whirled around the floor. In this manner the evening was spent as pleasure and sociability became the watchwords. Outwardly, the evening was formal, but there was no stiffness in regard to the extent to which the guests spent their time.

Evidently the enjoyment of a formal evening is shared not only by students, but also by their professors. This fact was demonstrated by the presence of Dr. Hotchkiss, Professors Ensz, Grafton, Heald, Schommer, and their wives. And truly such an event as the Junior Formal might be shared by many. It is without doubt the outstanding social event of a large group of representative young men and for this reason cannot have too much significance attached to it.

A. T. A. A. BANQUET

The Banquet Hall of the Chicago Athletic Club housed 150 athletes of Armour at the fourth annual informal dinner of the Armour Tech Athletic association. The date of the meeting was May 22, 1933.

At the head table were seated Dr. Hotchkiss, Deans Heald and Penn, Dr. McNamara, Mr. Allison, Athletic Director Schommer, and Mr. Harold Munday of the Board of Trustees. At the second table were the coaches and managers of the various athletic teams represented.

A delightful dinner intermingled with high grade entertainment presented innumerable opportunities for the furtherance of long remembered friendships. Director Schommer presided as toastmaster and strengthened his standing in the hearts of all Armour men.

Several short talks accompanied the cigars and coffee. Dr. Hotchkiss expressed his sentiments in regard to the performance of the many athletes out on the field. Dean Penn stressed the high scholarship standing of the men present and complimented them on the great number present at the banquet. Mr. Munday revealed several interesting points concerning the development of the A. T. A. A. since the date of its inception. At that time, the year 1923, there were 39 men representing the athletic endeavors of the school. Since then there has been a gradual increase in the number attending the annual dinners.

The purpose of the organization is to honor those men who keep the spirit of athletic competition alive at Armour. The attendance and general atmosphere of the 1933 banquet certainly furthered this cause an exceedingly large amount.



Honor "A" Dinner

PUBLICITY SMOKER

Mr. Justin H. Forrest, staff writer of the Chicago Evening American, was the principal speaker at the 1934 Smoker held by the Board of Publications. Mr. Forrest's audience was assembled at the Theta Xi fraternity house on Wednesday, February 28. He spoke on the method of conducting the City News Bureau for the distribution of news to the various papers within a given area.

The talk was quite comprehensive and revealed a number of interesting facts in connection with publication work. Mr. Forrest stated that the element of suspense plays the foremost role in keeping a particular subject on the front page of newspapers.

HONOR "A" DINNER

Members of the Armour Honor "A" Society were royally entertained on the night of Thursday, December 21, 1933. The occasion was the annual dinner held in the Boulevard Room of the Stevens Hotel. The thirty guests enjoyed a splendid meal and were entertained by an interesting floor show provided for them.

John J. Ahern acted as toastmaster, introducing the speakers and supervising the initiation of eight pledges. The active members furnished more than enough help in caring for the initiates during the course of the evening. Many incidents occurred that will be long remembered by the members.



The Publicity Smoker



Interhonorary Banquet at the Medinah Athletic Club

INTERHONORARY BANQUET

Members of all honorary organizations of Armour gathered at the Medinah Athletic Club for the seventh Interhonorary Banquet held on December 20, 1933. Dean Heald acted as toastmaster for the evening and carried out the duties in a very creditable fashion. Dr. Hotchkiss and Dean Penn spoke on subjects of general interest.

Following preliminaries, the guest speaker, Mr. Edgar S. Nethercut, Director of the Western Society of Engineers, was introduced. His discussion pertained to the development of standards in engineering practice. Mr. Nethercut was able to disclose many angles relative to such development.

INTERHONORARY DANCE

The annual informal dance sponsored by the Honorary Fraternity Council was held in the Towne Room of the Hotel Knickerbocker. Some eighty couples assembled there on the night of April 21, 1933. As in the past, only those members or pledges of one or more honor organizations were privileged to attend.

Tables were placed around the dance floor to lend a congenial atmosphere to the room. They served as the centers for group gatherings and discussions as the evening progressed. Although the honoraries do not exist for social purposes, it was demonstrated that the members are not at all lax in pursuing pleasure in the form of dancing.



Interhonorary Informal in the Town Room of the Hotel Knickerbocker

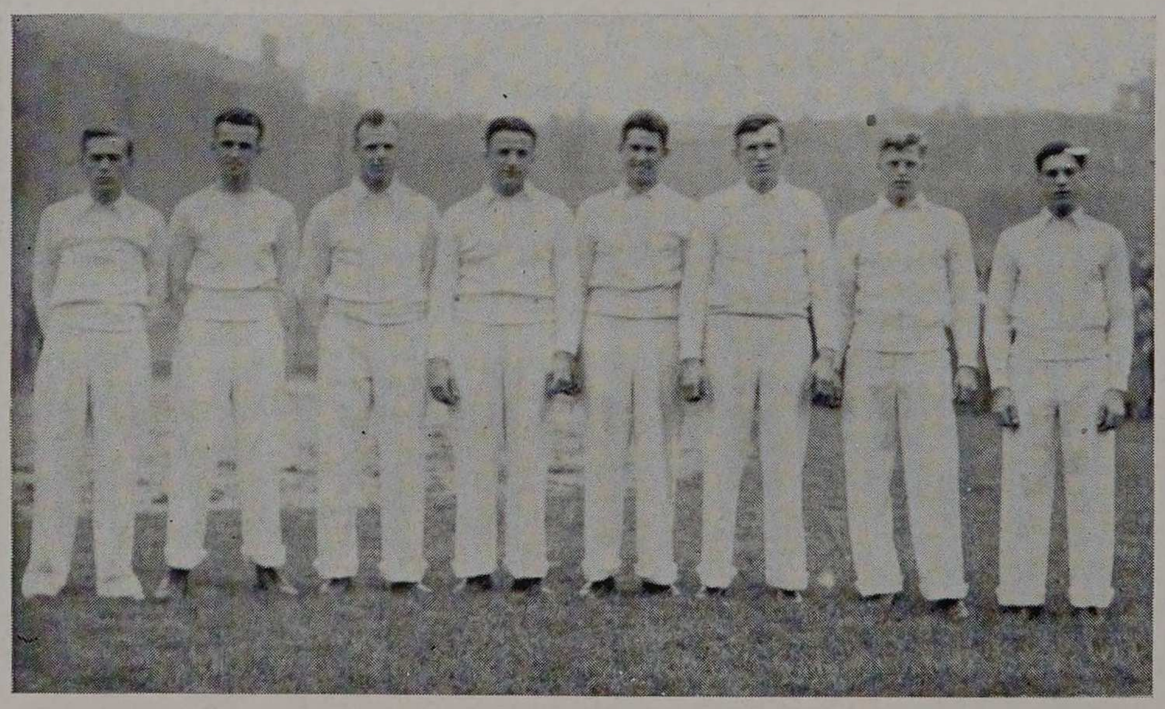
JUNIOR WEEK, 1933

The outsider who views our student body is provided the opportunity of seeing two distinctly different types of men. The first type exists for thirty-five weeks of the school year, while the second lives during Junior Week only. From May 15th to May 20th, 1933, the order of the day and night was not that of slide-rules and text-books, recitations and examinations, but was rather baseball, track, tennis, interfraternity sports, the Home Concert, Open House Night, Circus Day, and the Junior Formal.

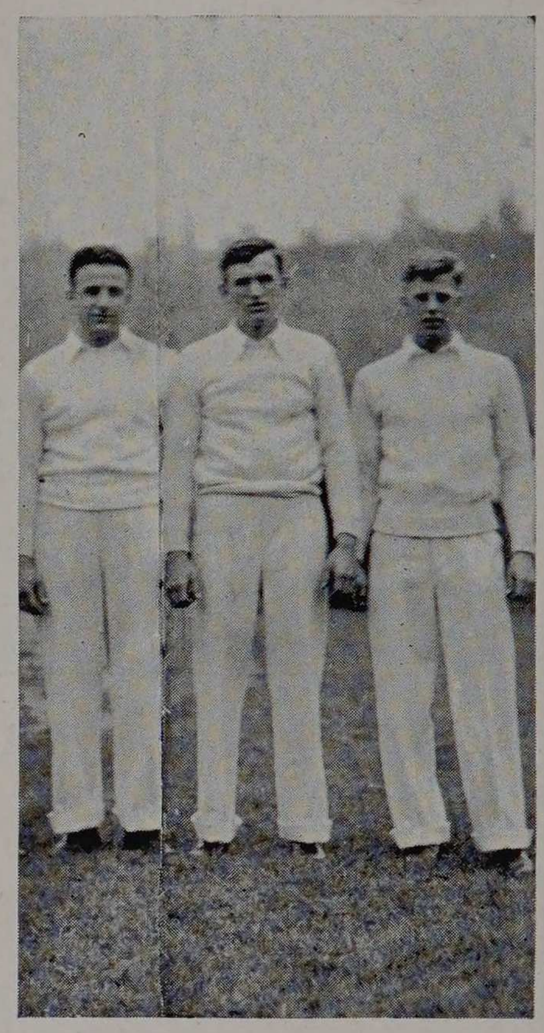
Every possible form of activity was open to those who would seek it or who would step into the whirlpool of hustling and hurrying which characterized the campus during this time. It was no effort at all to be active and to have plenty to do at any time throughout the week.

The baseball game played with Michigan State Normal officially opened the week on Monday afternoon. That night the Institute was thrown open to all who would visit it. All departments were in running order and no effects were missing, inasmuch as the large crowd of two thousand people demanded to see every branch of the school in operation. This part of the program never fails to draw many interested people from all walks of life who come to view the methods employed in the training of technical men.

Bright and early Tuesday morning the freshmen and sophomores staged a hard fought, bitterly contested, much debated soft ball game in Ogden Field. Following this the



Colburn, Oberbeck, Manly, Frateschi, Lukas, Lillis, Kolve, Gunderson



Frateschi, Lillis, Kolve

Junior Marshals
Lawrence Frateschi
Irving A. Kolve
Stephen M. Lillis

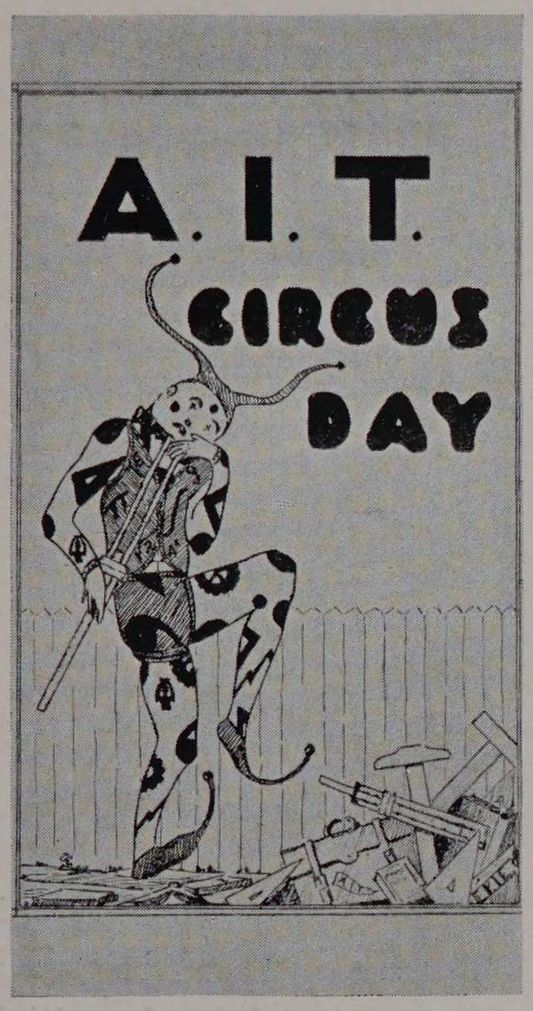
Assistant Junior Marshals
Norman E. Colburn
Roy Ekroth
Walter E. Gunderson
Michael A. Lukas
James F. Manly
Arthur W. Oberbeck

Honorary Starter
A. A. Stagg, Jr.

Judges
President W. E. Hotchkiss
Professor P. C. Huntly
Professor J. J. Schommer

Sophomore Rush Leader
Thomas F. Jones

Freshman Rush Leader
John O. Larson



Official Program

JUNIOR WEEK PROGRAM

Monday, May 15
Baseball, Michigan State Normal at Armour
Open House at the Institute

Tuesday, May 16
Interfraternity Relay
Tennis Match, George William's College at Armour

Wednesday, May 17
Pentathlon
Tennis Match, Wheaton at Armour
Baseball, Wheaton at Armour
Annual Spring Concert of Musical Clubs and Interfraternity Sing

Thursday, May 18
Interfraternity Track Meet

Friday, May 19
Interclass Relay
Class Rush
Interfraternity Pageant
Awards
Junior Prom at Congress Hotel

Saturday, May 20
Baseball, Elmhurst at Elmhurst

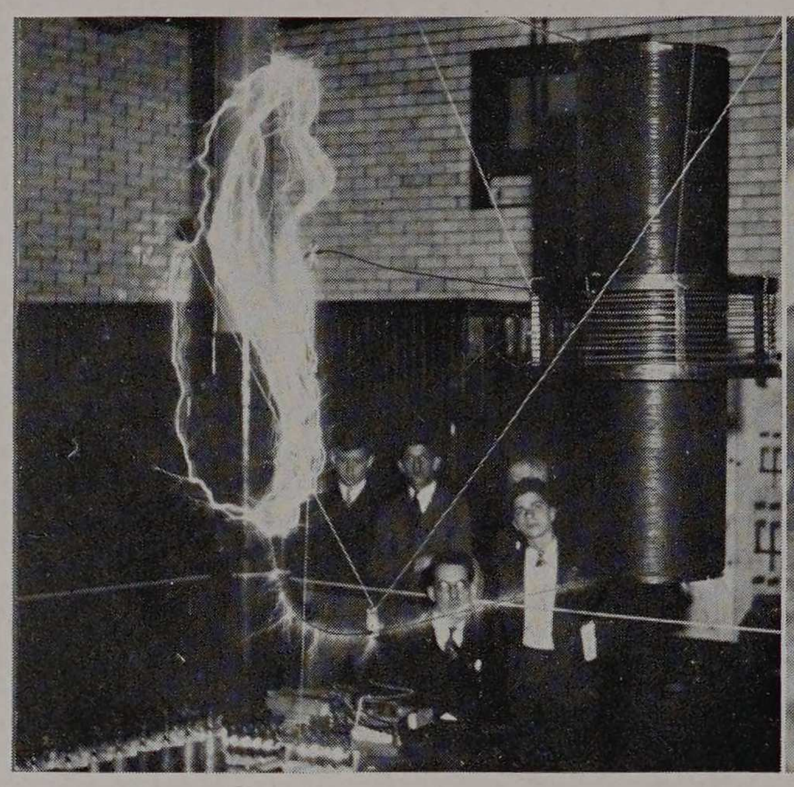
seniors demonstrated their superiority over the juniors. The superior air was short-lived, however, since the upperclassmen, later in the morning, fell before the able bats of the victorious sophomores. After the field had been cleared the Interfraternity Relays began at 2:00 P.M. In a very exciting contest, Triangle emerged victorious. During the same afternoon the Armour tennis team was winning over the George Williams College by a score of five to two on the Armour courts.

Wednesday morning one of the high lights of the entire week's work took place. This was the competition for the title of Pentathlon Winner. With the same skill he had exhibited in the preceding two years, George Nelson took possession of the coveted award. Second place went to John Roberts while the third highest man was Arthur Oberbeck. The performances of all who entered were of such a nature as to make the competitive performance quite stiff, but Nelson won by a comfortable margin. Following the lunch hour, activities resumed in the form of a baseball game and more tennis matches. The Wheaton College representatives lost on the diamond to the home team, but managed to tie up the tennis game by a three to three count.

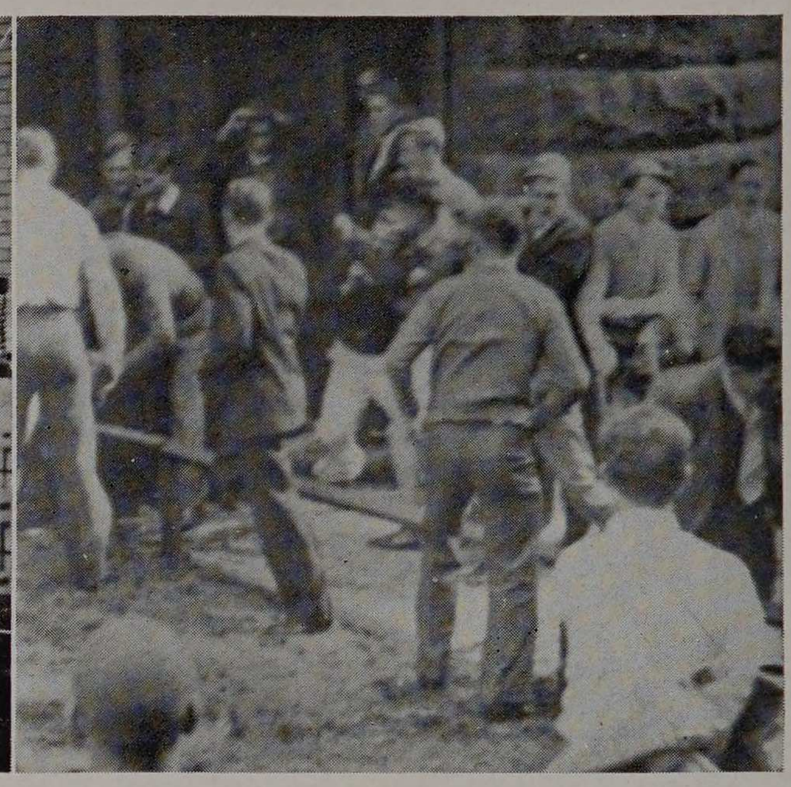
The annual Spring Musical Concert and Interfraternity Sing took place in Armour Mission on Wednesday evening. Both the Orchestra and the Glee Club contributed more



Spring Concert



Open House



Pre-Rush

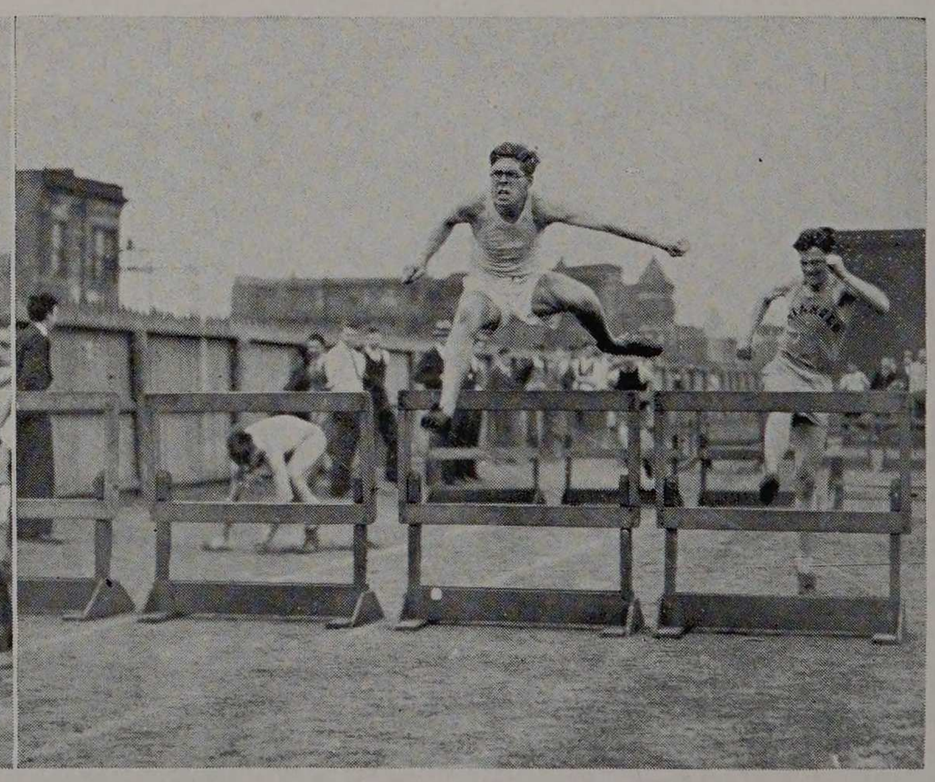
than the usual amount of excellent music to assure a successful Home Concert. The fine quality of the songs sung by the various fraternity representatives made it difficult for the judges to pick the winner of the 1933 trophy. Theta Xi went home in possession of the Interfraternity Sing Cup, and well deserved the honor accorded them. Honor Cycles were presented to the Award Men of the graduating class. The ten who received this recognition had been selected as the outstanding men of the entire class.

The next day, Thursday, was entirely occupied by the Interfraternity Track Meet. Starting in the morning, points were accumulated by the contestants until late in the afternoon. Upon totaling the results, it was found that Triangle had again won the meet with 56½ points, followed by Sigma Kappa Delta with 42 and Beta Psi with 22½. George Reed of Sigma Kappa Delta was high point man of the day.

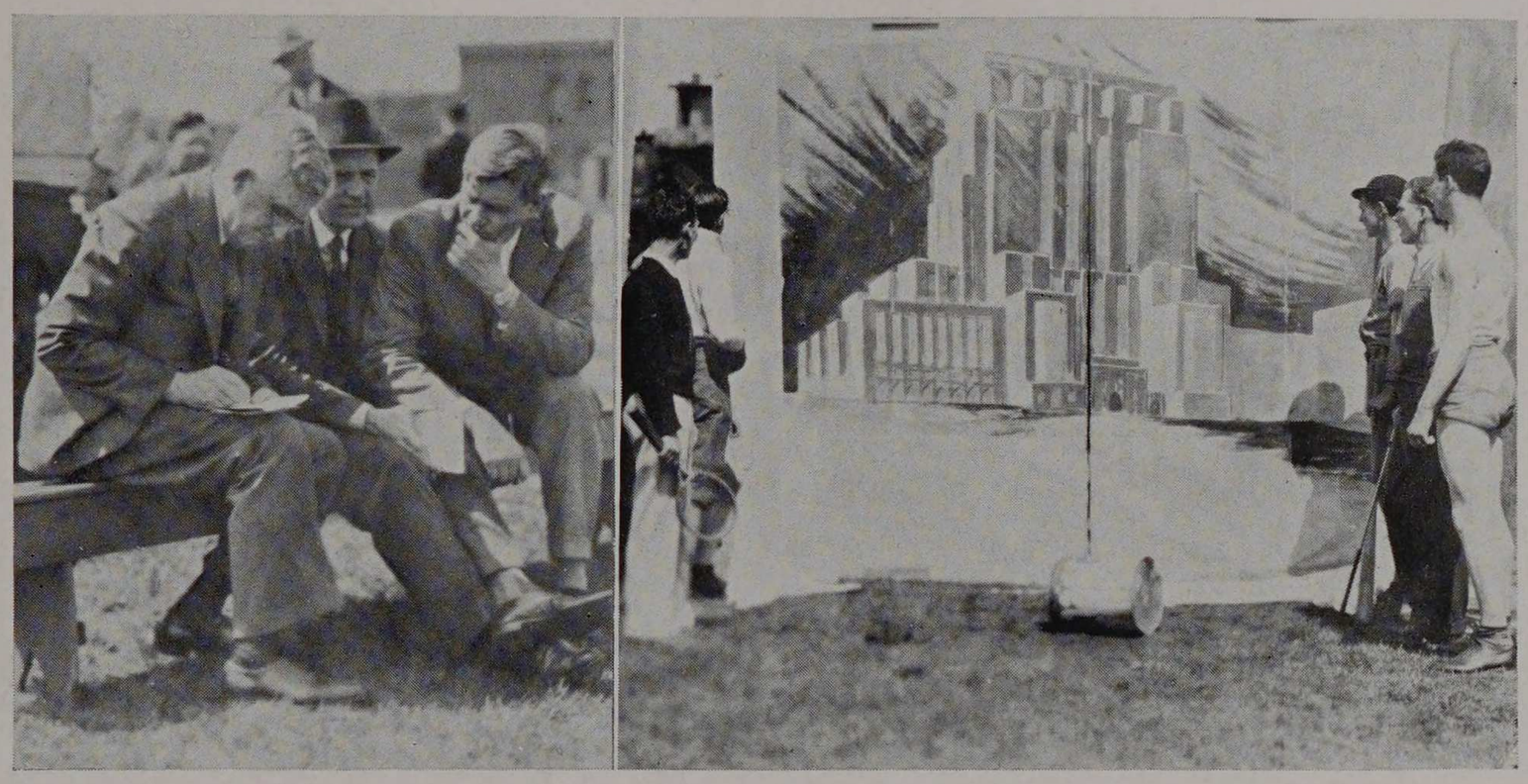
Clouds and rain were visible on Friday morning, Circus Day, but they failed to affect the enthusiasm which had made itself felt all during the week. As the clouds disappeared the Juniors proved their superiority in track events by capturing the Interclass



Reed Breaks the Tape



Hanson Leads in the Highs

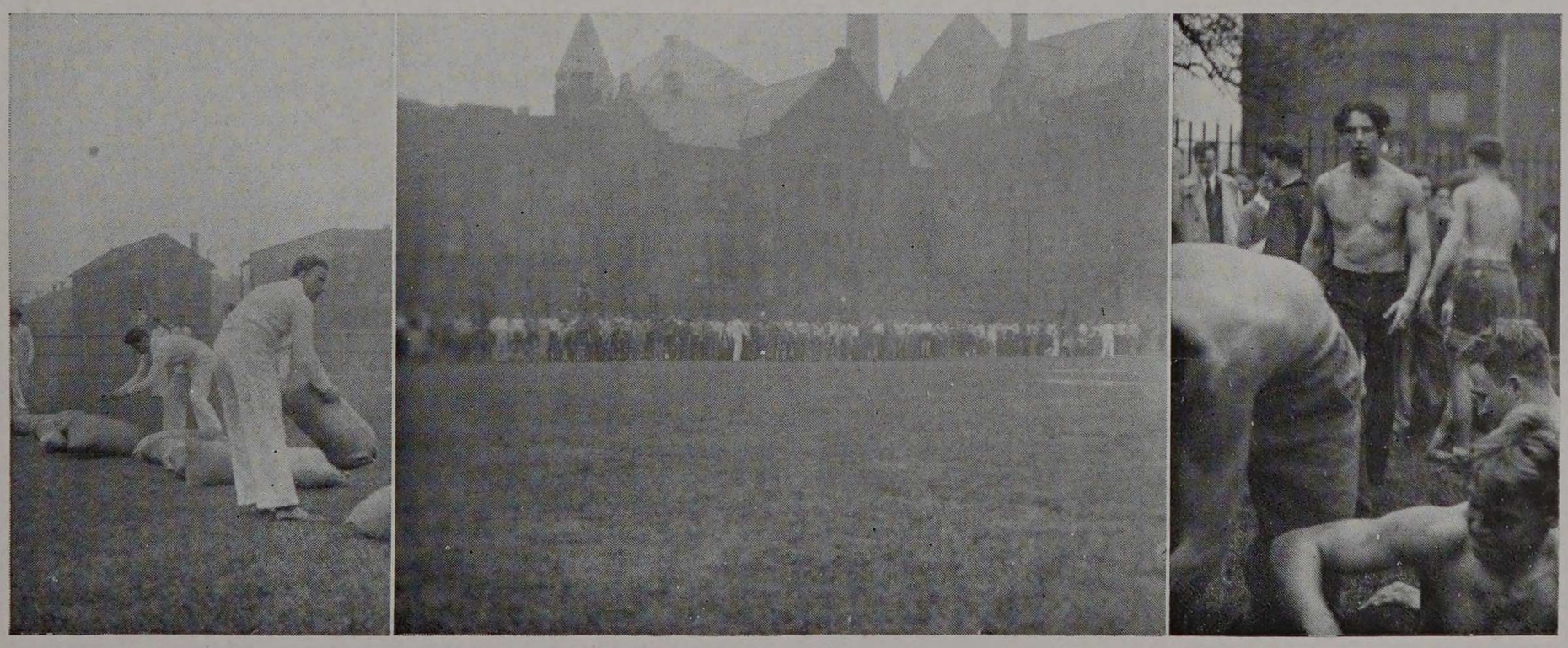


The Judges and the Winning Stunt

Relay Trophy.

Numerous raids were conducted in the morning by both freshmen and sophomores upon the opposing camps. The odor of rotten eggs permeated the atmosphere as the said eggs met obstacles of substantial resistance. By one o'clock conditions had reached such a state where the two classes went to it with straw sacks and fists. Most of the fighting was carried on at the freshman goal, but not a spot on Ogden Field was left untrampled upon by the battling rushers and rushees. Since no straw bags were found at the sophomore goal, the Marshals concluded that the freshmen had won by a score of 58 to 0. Delta Tau Delta, with a sketch entitled "Retrospect", was declared winner of the Interfraternity Pageant. The stunts presented by all the fraternities were very amusing and quite original, judging by the pleasure of the audience who viewed them. The concluding event of the afternoon was the presentation of awards and prizes to their respective winners for the week's program.

The grand finale to a most enjoyable five days' activities was presented by the Junior Formal, held in the Pompeian Room of the Congress Hotel.



Arranging, *Before the Whistle,* *and After*



SUMMER CAMP

Trout Lake,
June 11, 1933

Dear Mother:—

We reached Camp Armour yesterday after a fast drive from home. The four of us are now all fixed in our tent, which is sixteen feet square, floored, has five foot walls, and a fly. The cots have mosquito nets, and we have an oil stove. I am all right. Will write again soon.

Love,
BOB.

Trout Lake,
July 13

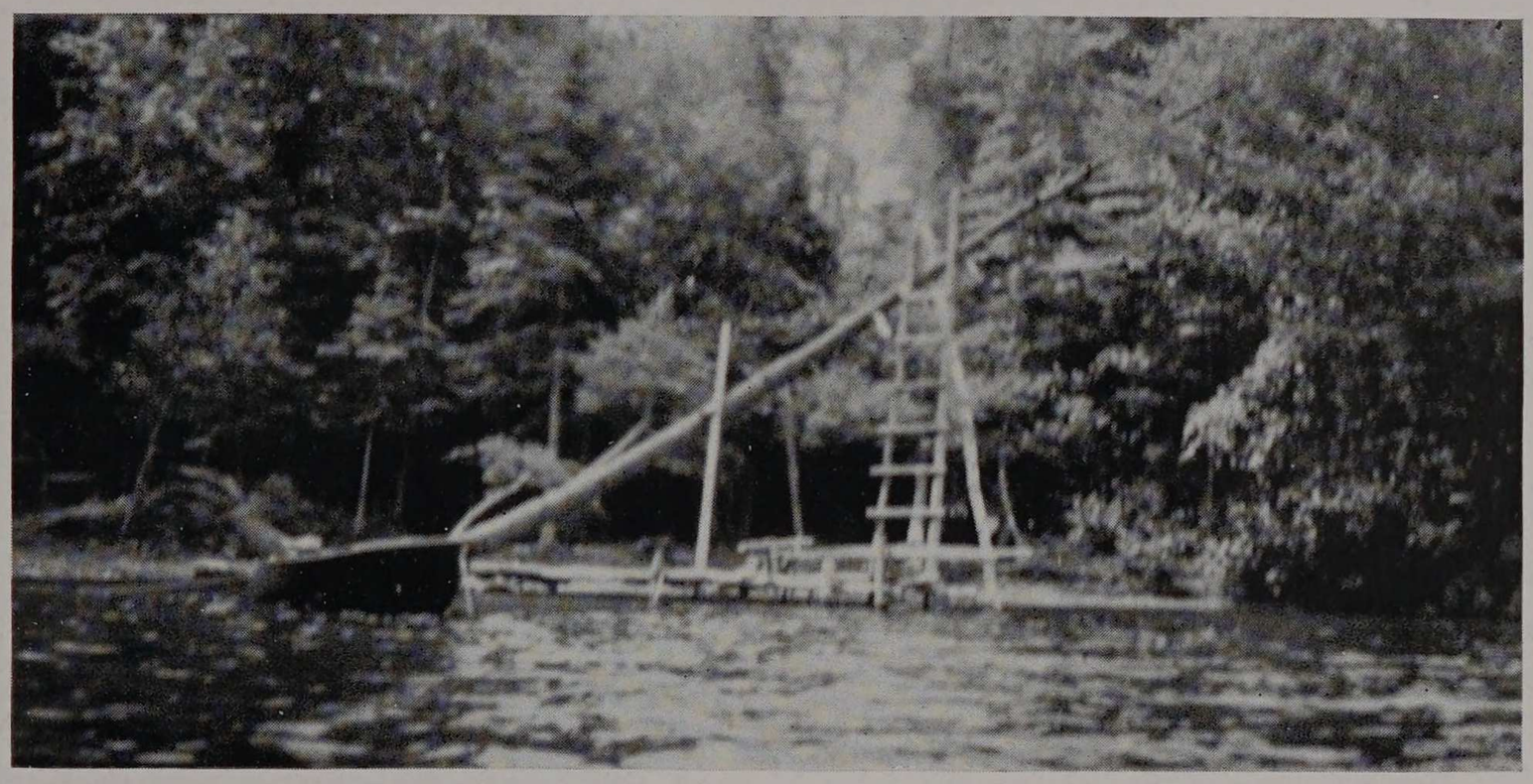
Dear Mother:—

Your telegram just reached me this evening. I was starting fishing with the fellows but the Professor made me stop and write to you right now. I received your letters and fully intended to write to you but just could not get around to it. I told you I was all right and thought you would understand. I am sorry you have been anxious but I surely have been busy.

Surveying is great. The first bell rings at







five-fifty and breakfast is at six-fifteen. Nobody waits for you and you are not supposed to go to the kitchen for hand outs. You ought to see me hustle. It is the same with other meals. You just get there. I am sure you will be glad to know that. The food is plentiful and good but nothing fancy.

I have been going to dances, hiking, pitching horse shoes, hitch-hiking, swimming, playing ball, rowing, and fishing. We are catching fish, too. You will be surprised at my coat of tan. I am tough and I am five or ten pounds heavier. By the way, please send me about twenty dollars. I am broke and will explain when I get home. Our cars were parked under the trees when we got here and they have not been moved since.

The camp is near the center of a large game refuge, and we see a lot of deer, birds, and other wild things. A large rabbit stays around the buildings, an old partridge with her brood lives near by, and a pair of fly catchers are nesting in the woodshed.

We will drive home next Friday, a week from tomorrow. I will be glad to get there and see all the folks, but I fear that after I have had a nice visit I will be wanting to hear again the loons on Trout Lake.

Love,

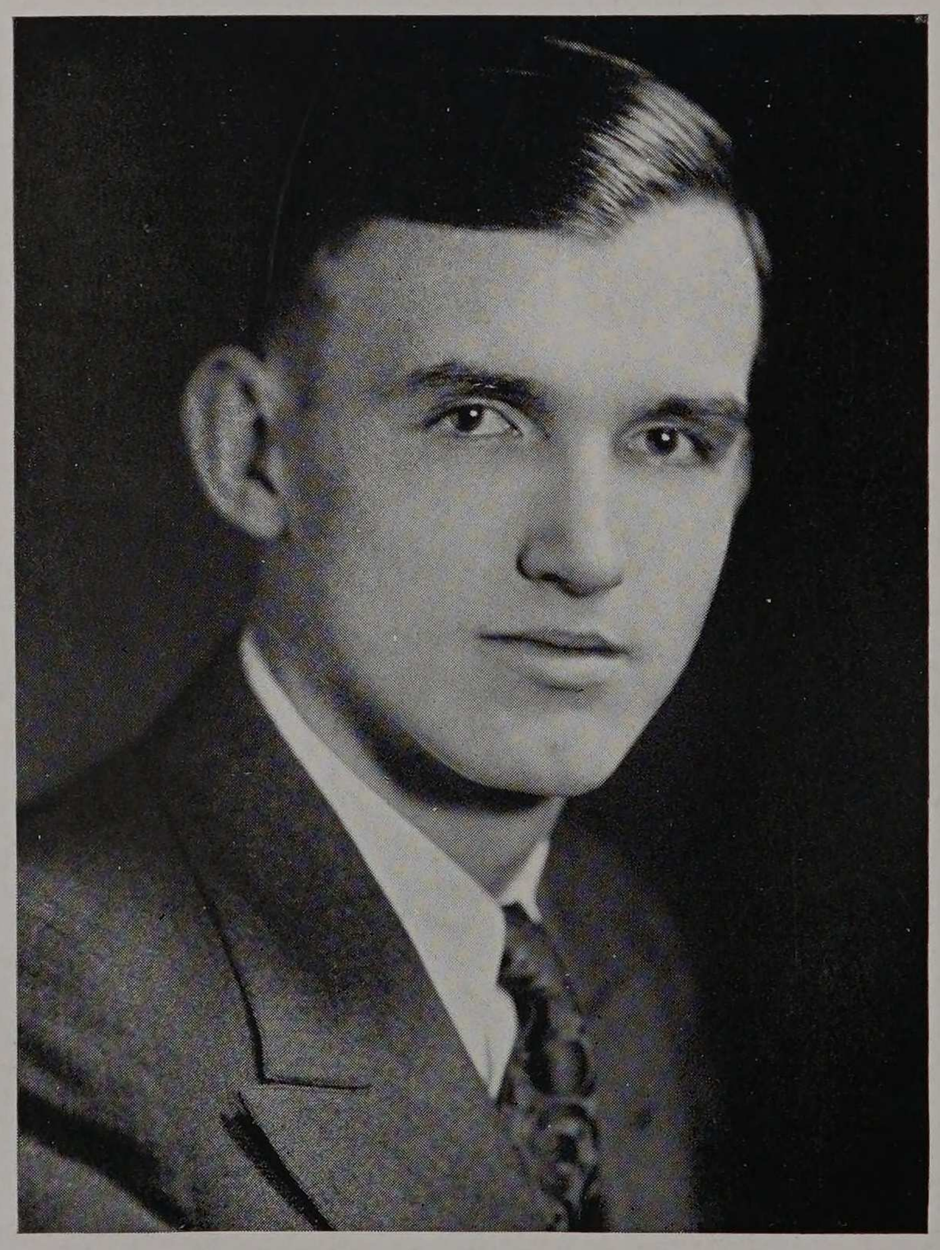
BOB.



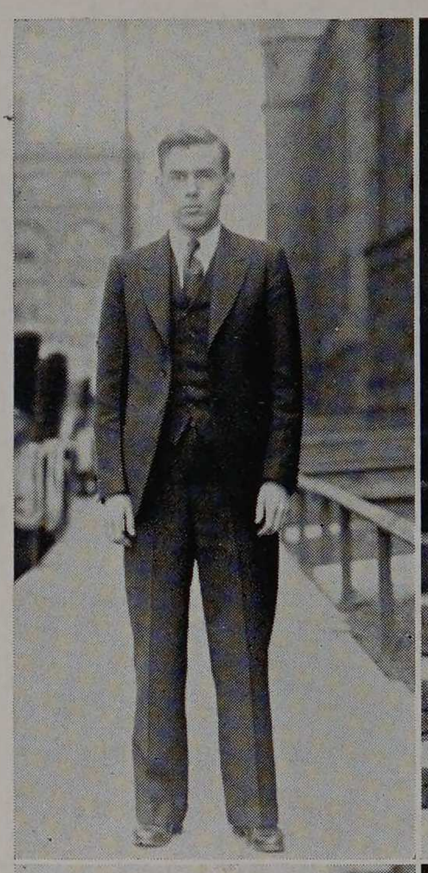


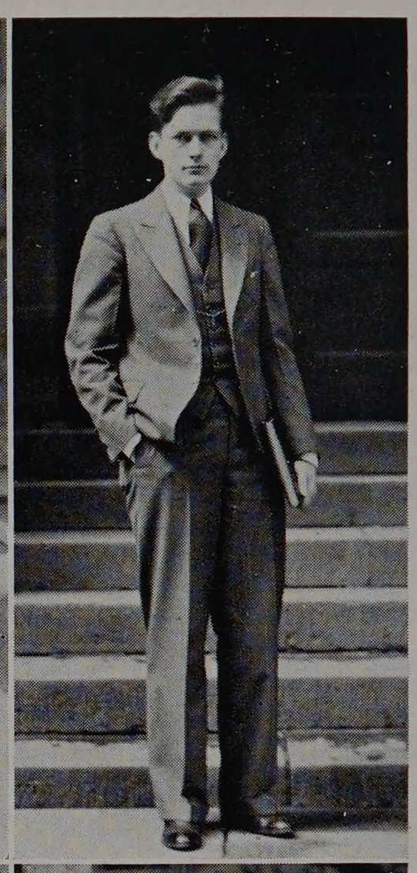
THE HONOR

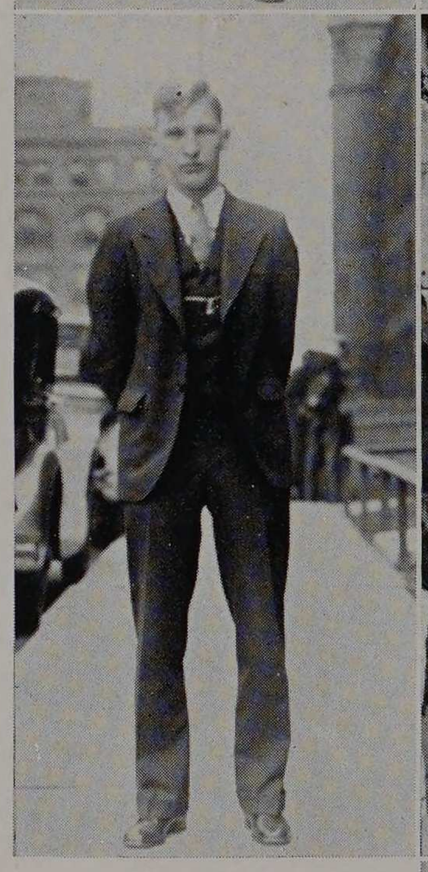
". . . . . that the Board of Athletic Control, the advisory council of the Armour Tech Athletic Association, in meeting assembled, each year select ten men from the graduating class to be known as the Honor Edition Award men; that the basis of selection shall be on the leadership and interest in all 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."



Stephen M. Lillis









Norman E. Colburn

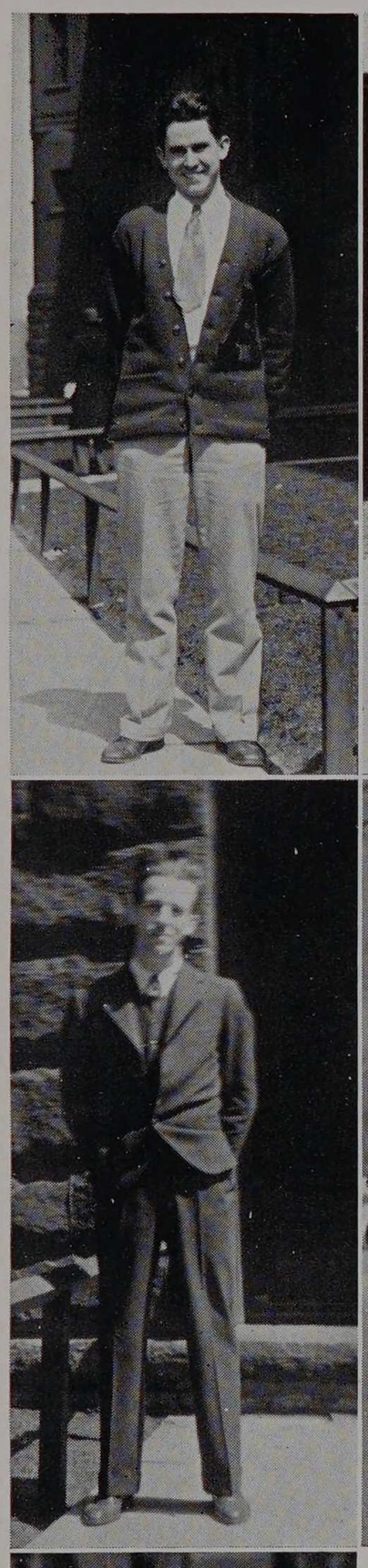
Harold W. A. Davidson

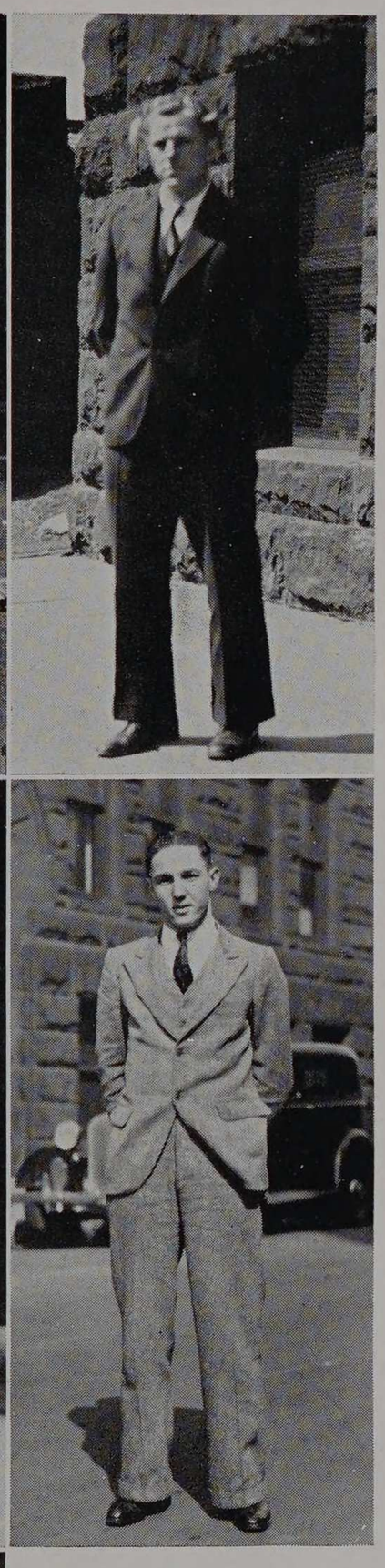
Raymond A. Fleissner

Irving A. Kolve

Stephen M. Lillis









Michael A. Lukas

Victor M. Omiecinski

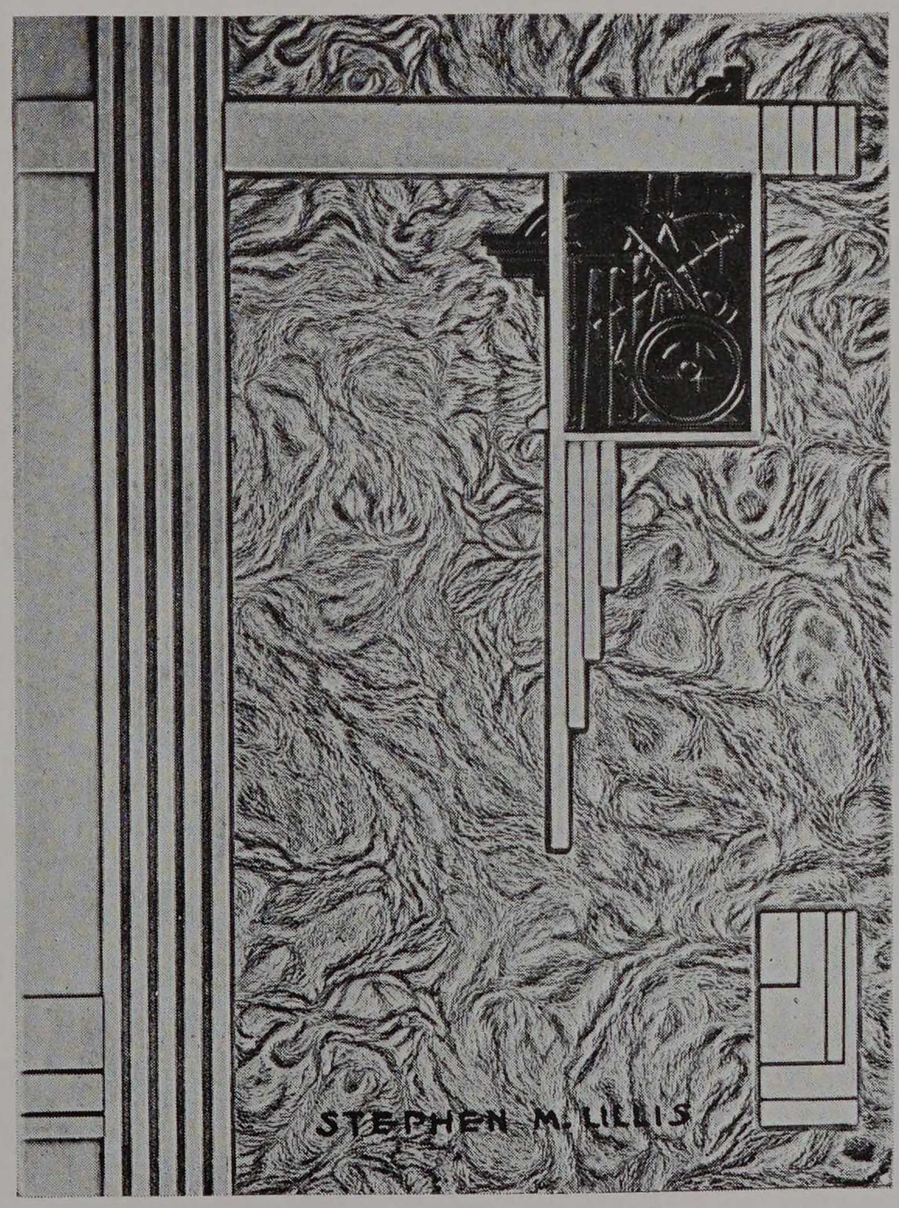
Raymond J. Pflum

George M. Reed

John E. Schreiner

EDITION AWARD

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 last 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", Stephen M. Lillis deserved and received this honorary citation from the Board of Athletic Control.

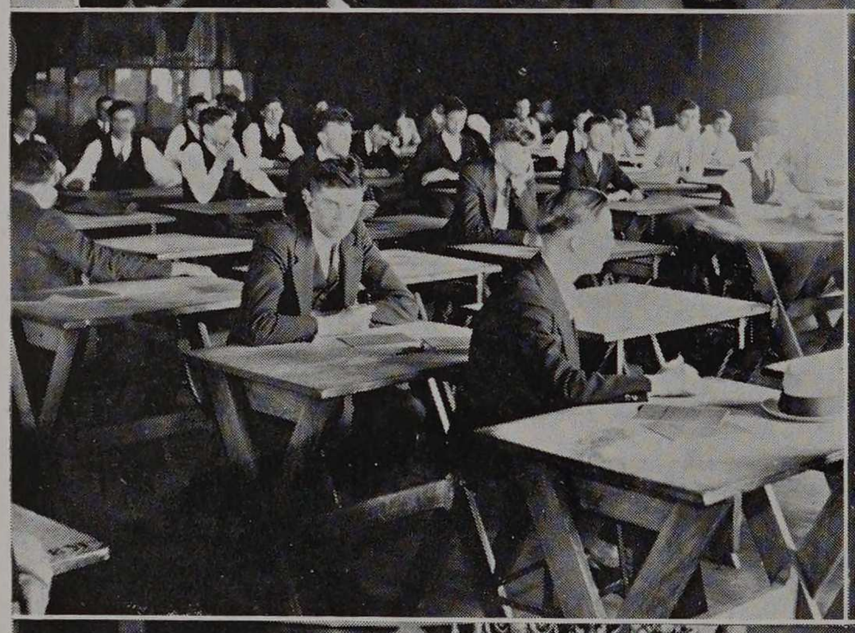










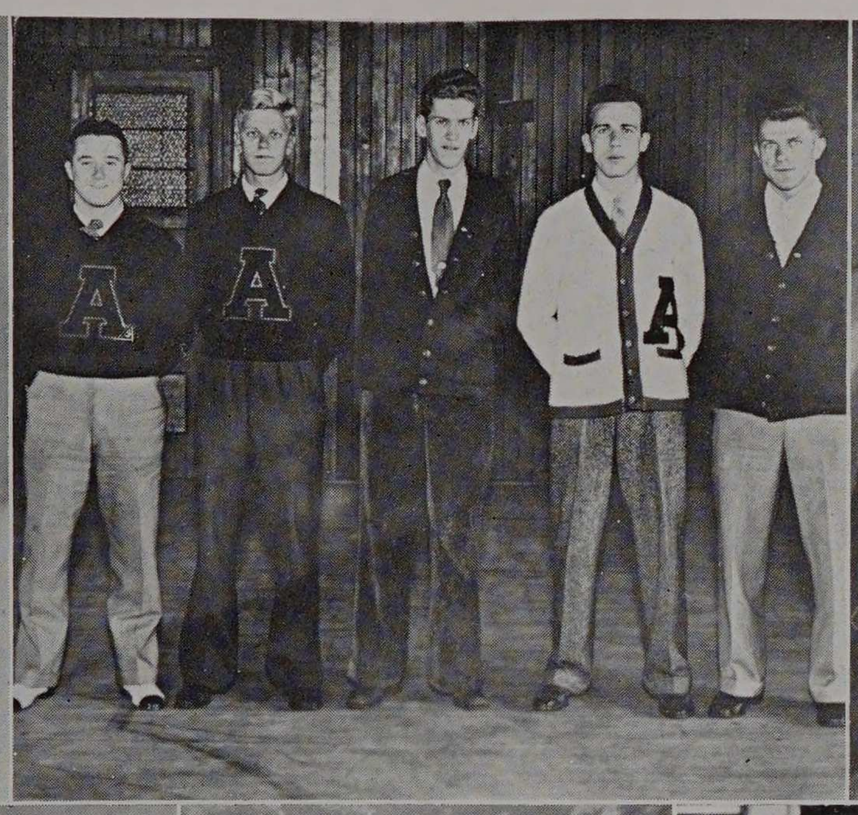






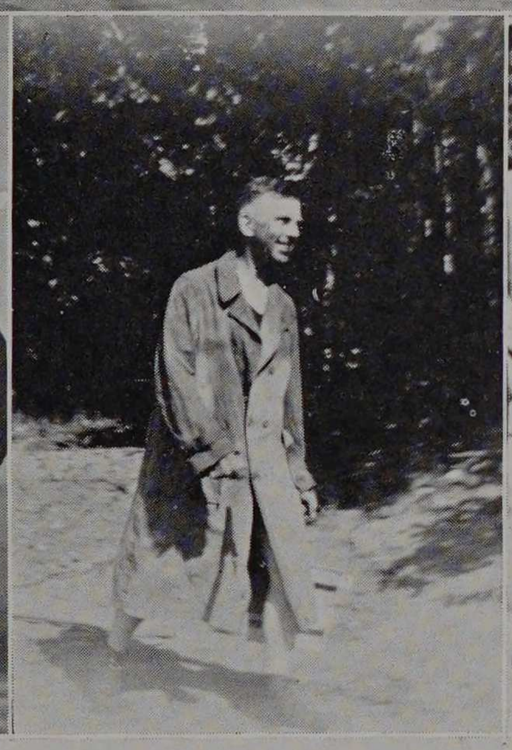


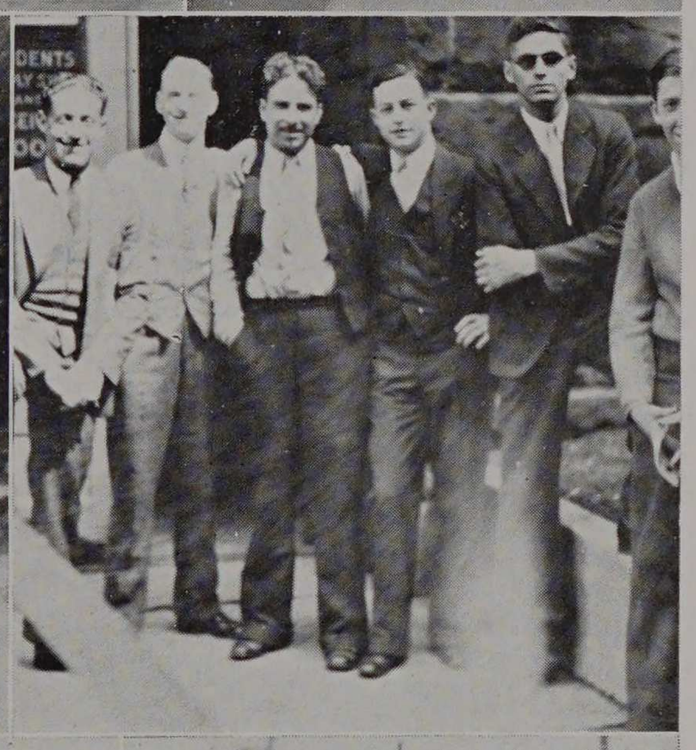


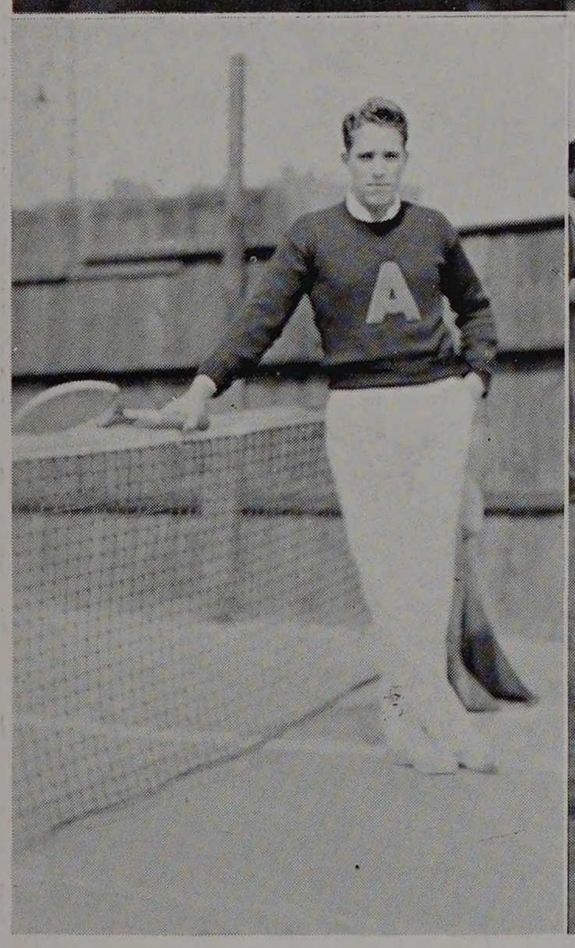


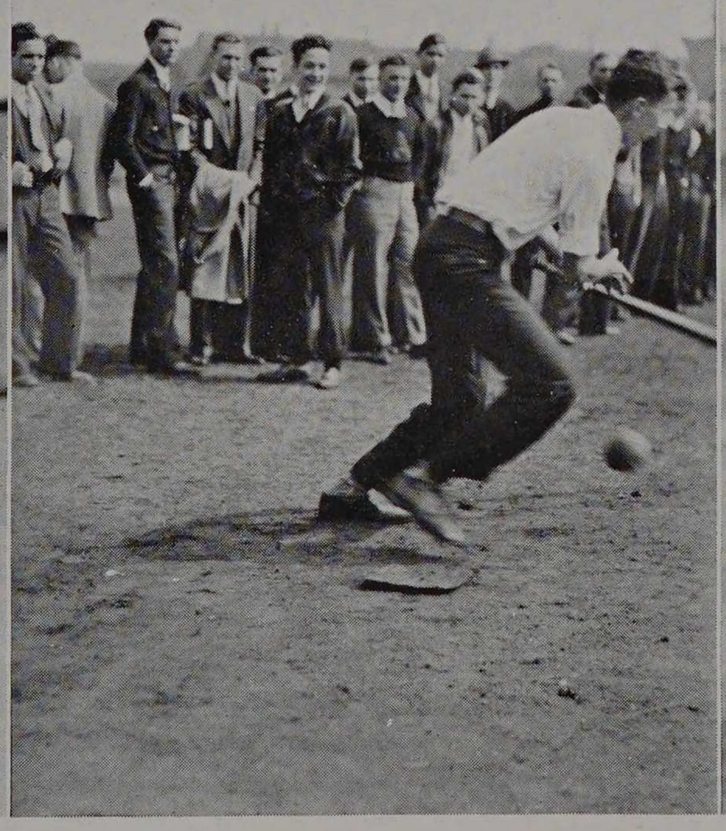


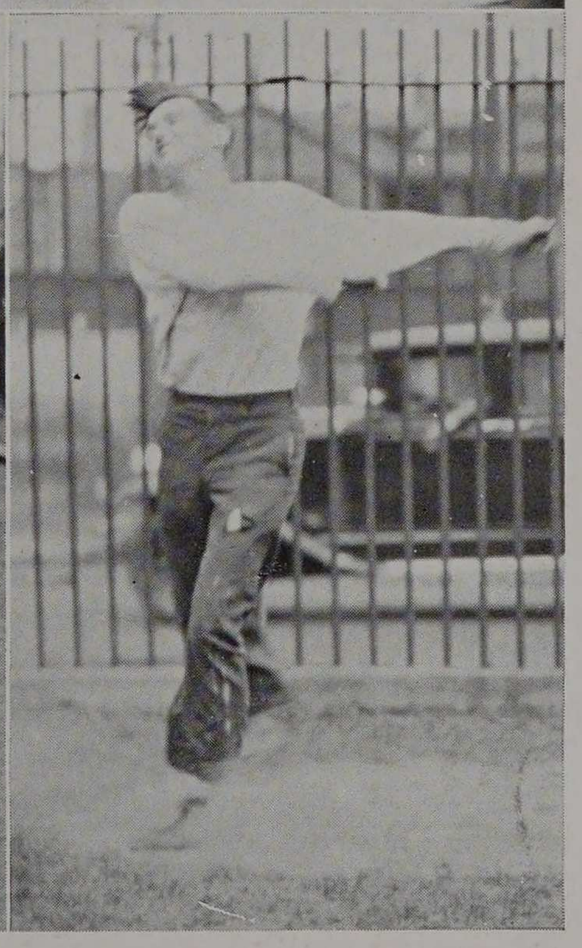






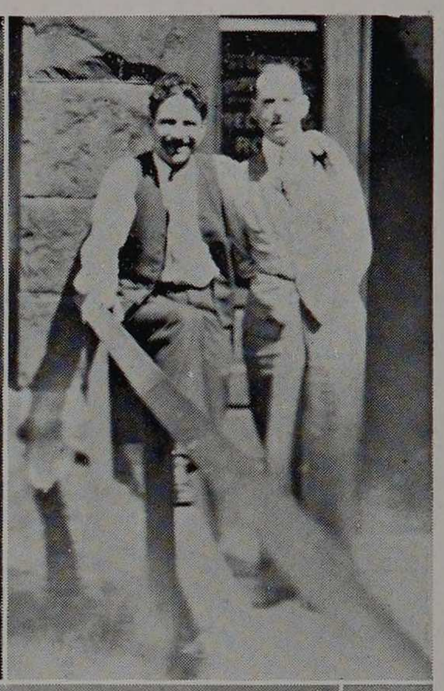










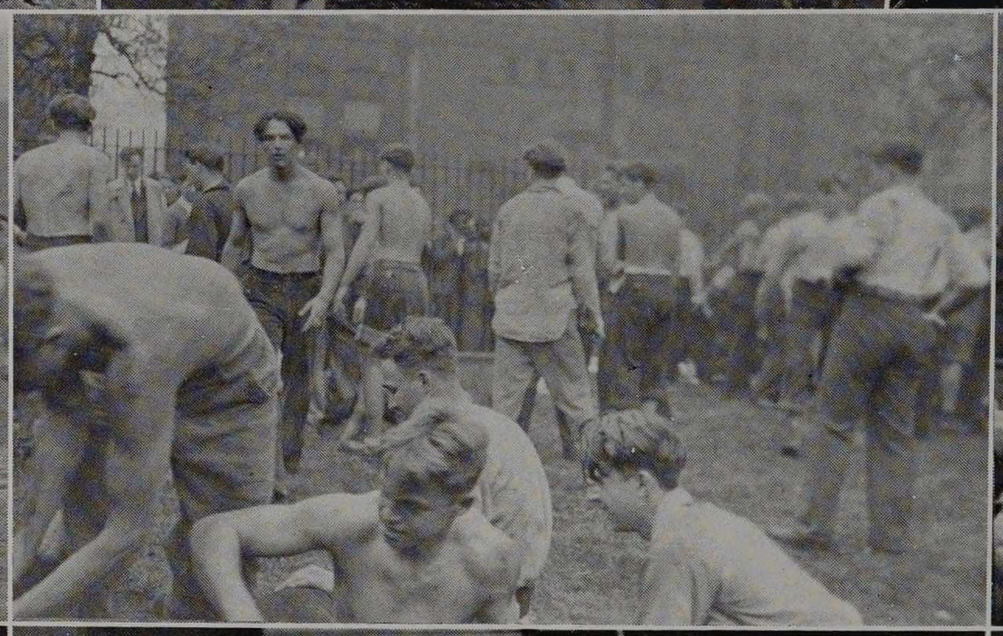


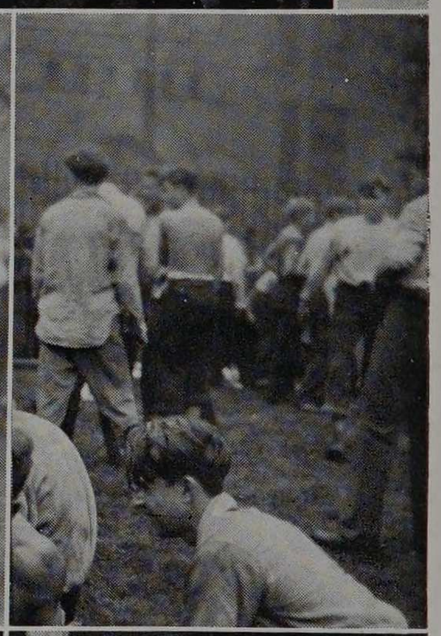


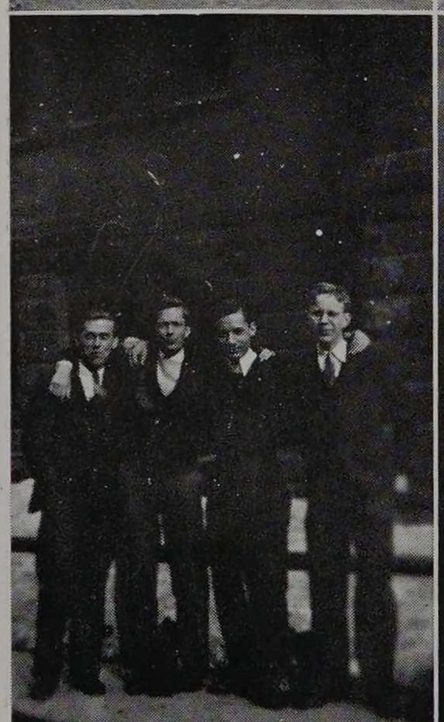

SILK STOCKINGS
Say Social Leaders
American Family Flakes









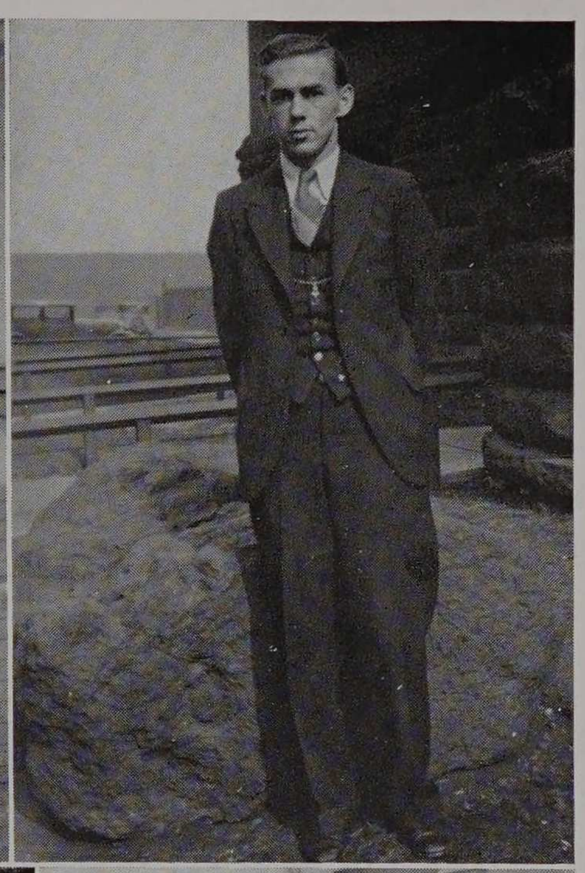



AUSTIN
MERCHANT
Falcons


SCHRAGE AVE.



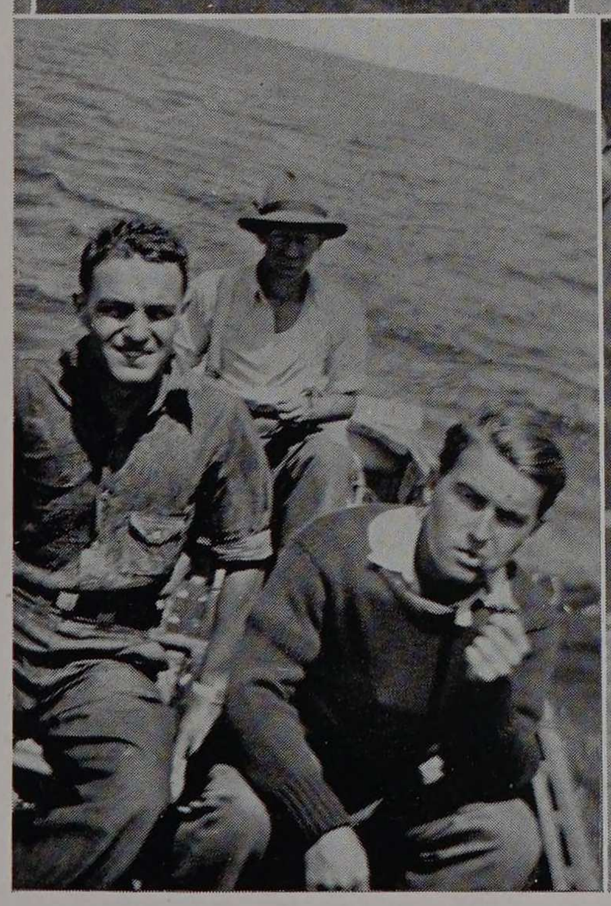








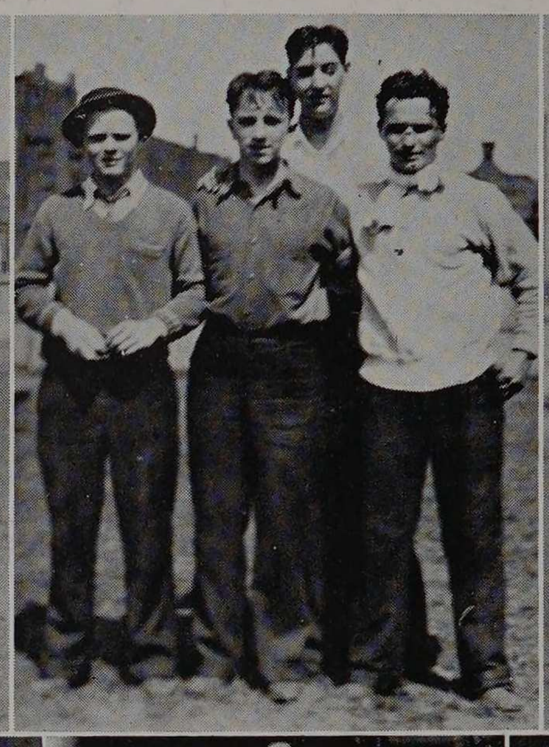




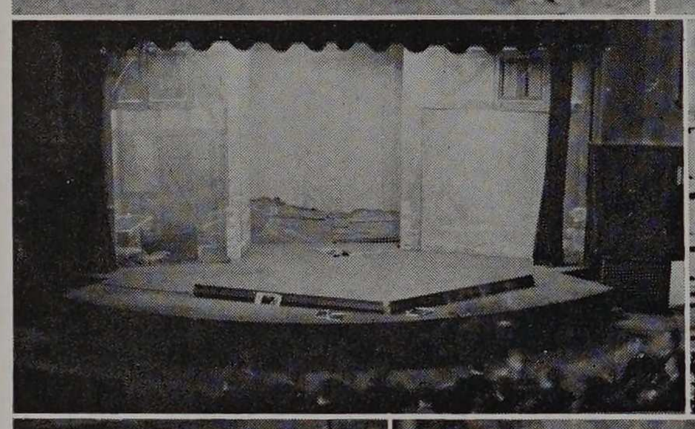
















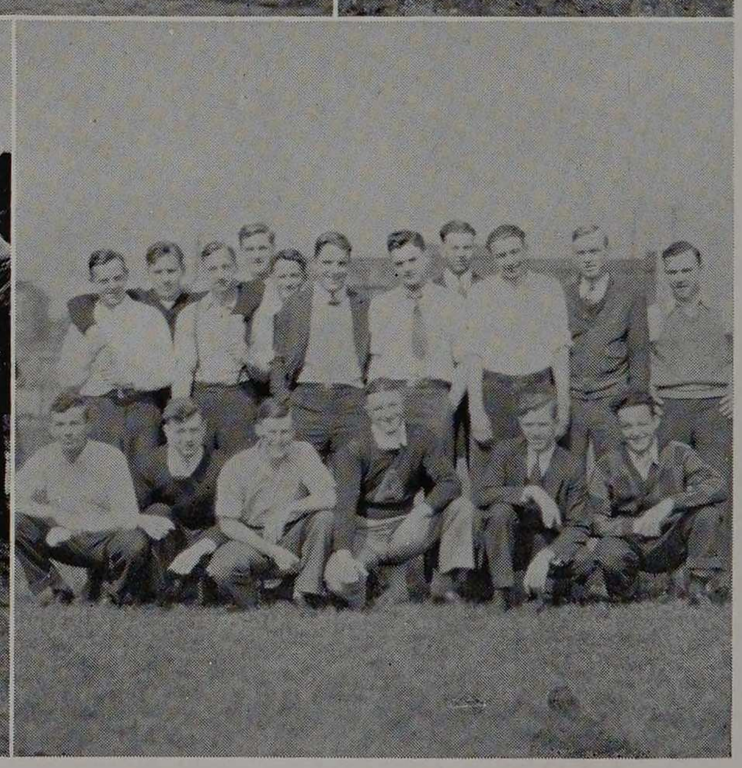

WANTED
100



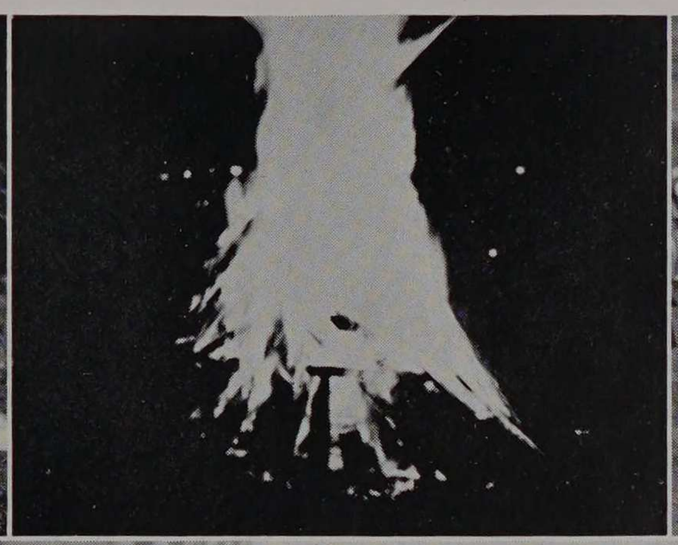




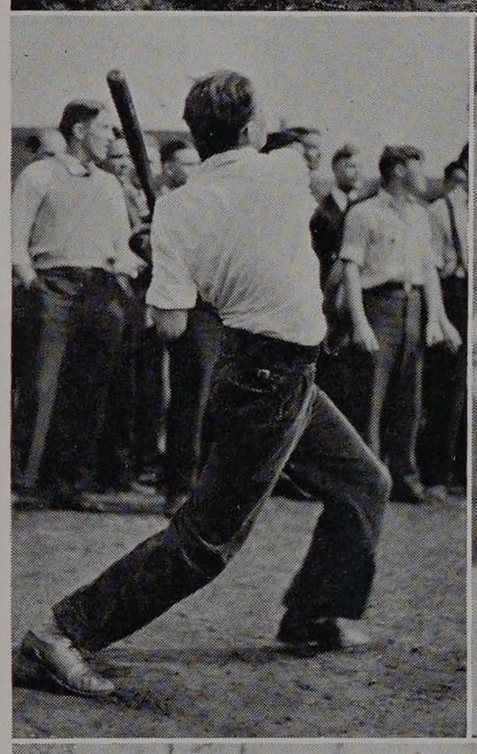














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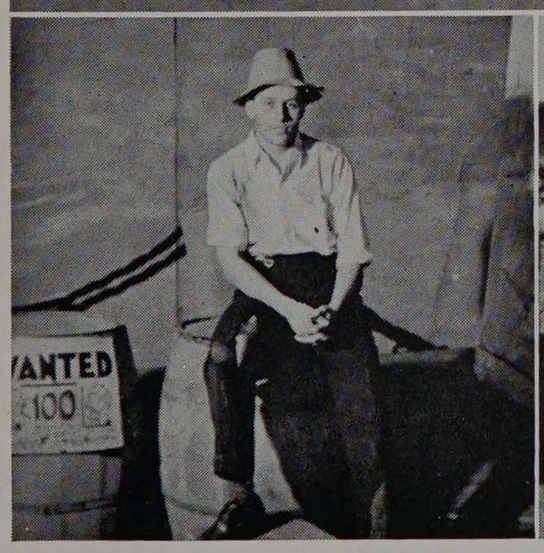
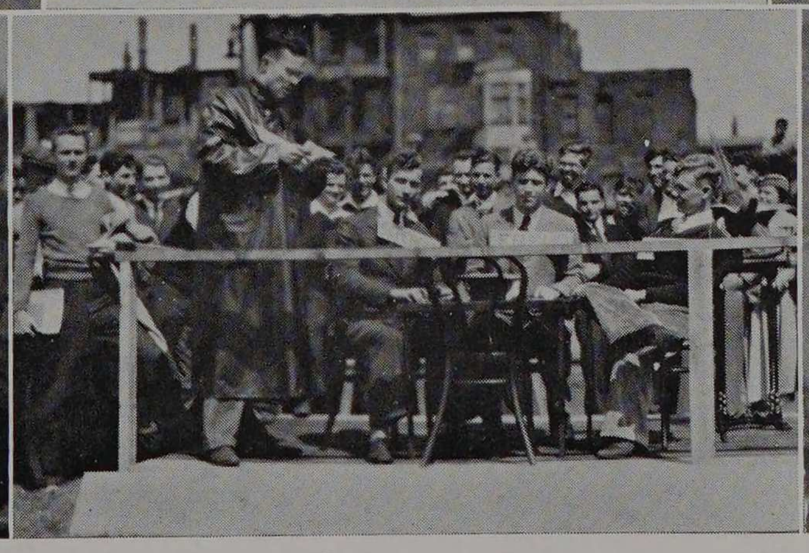
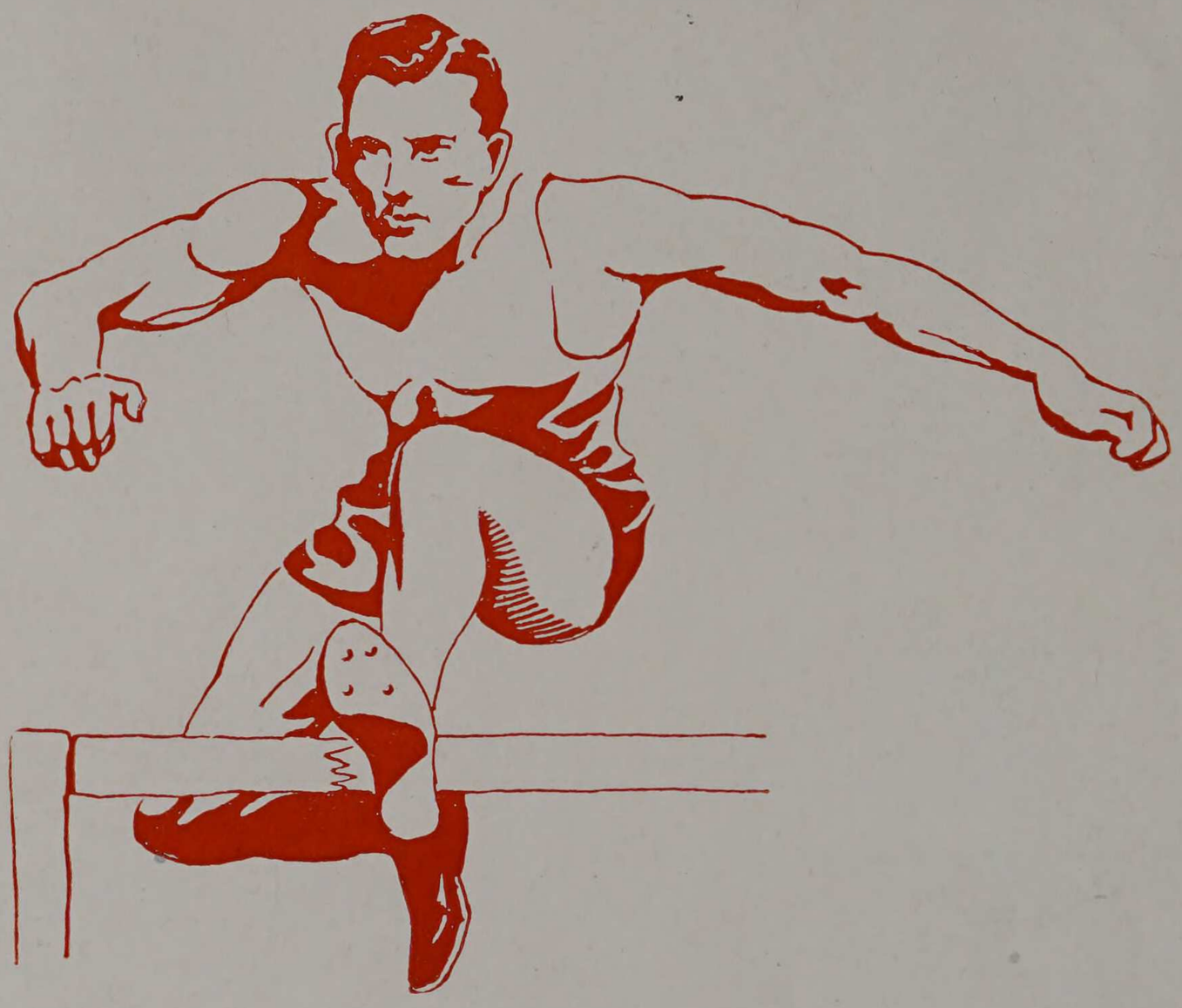
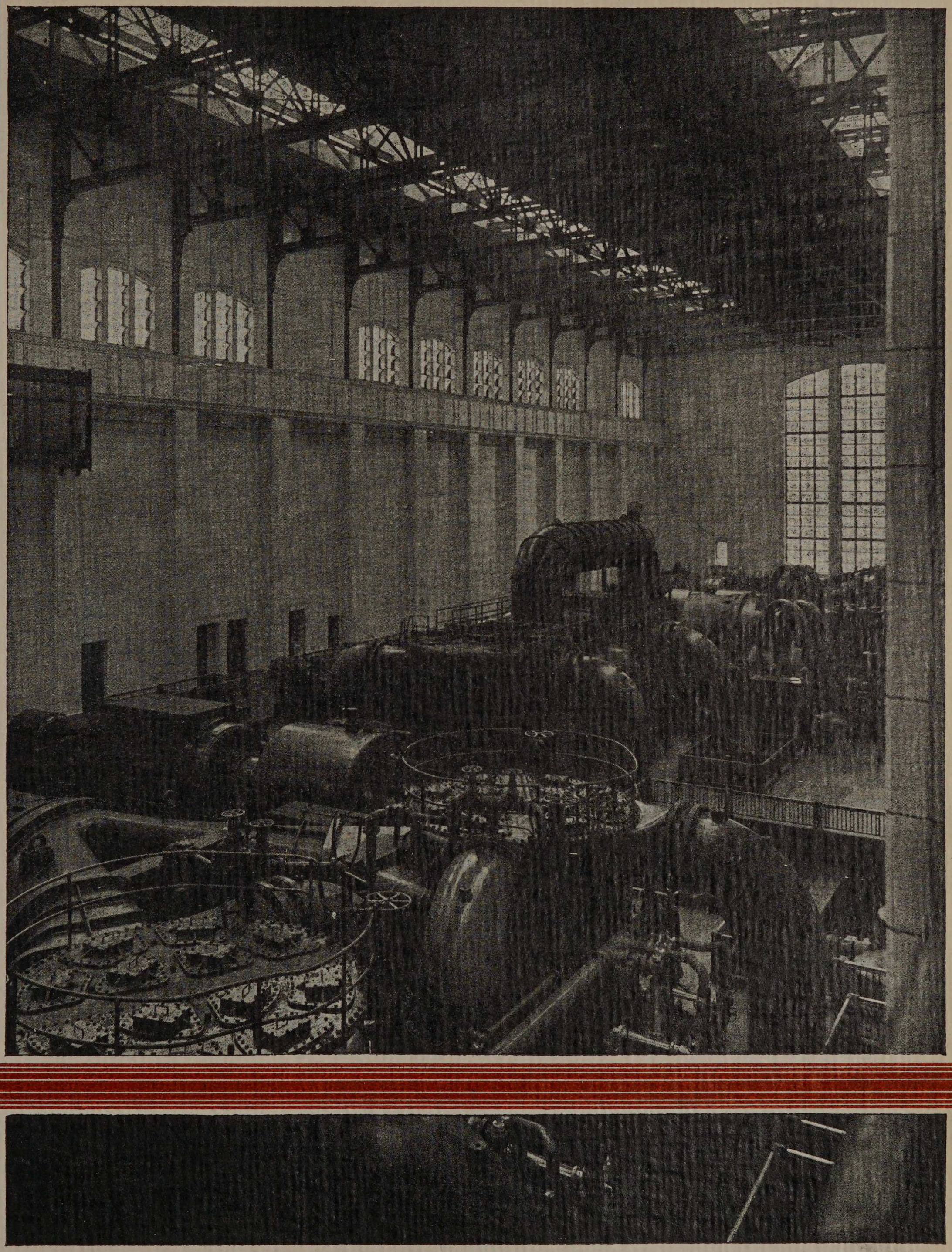

WANTED
£100



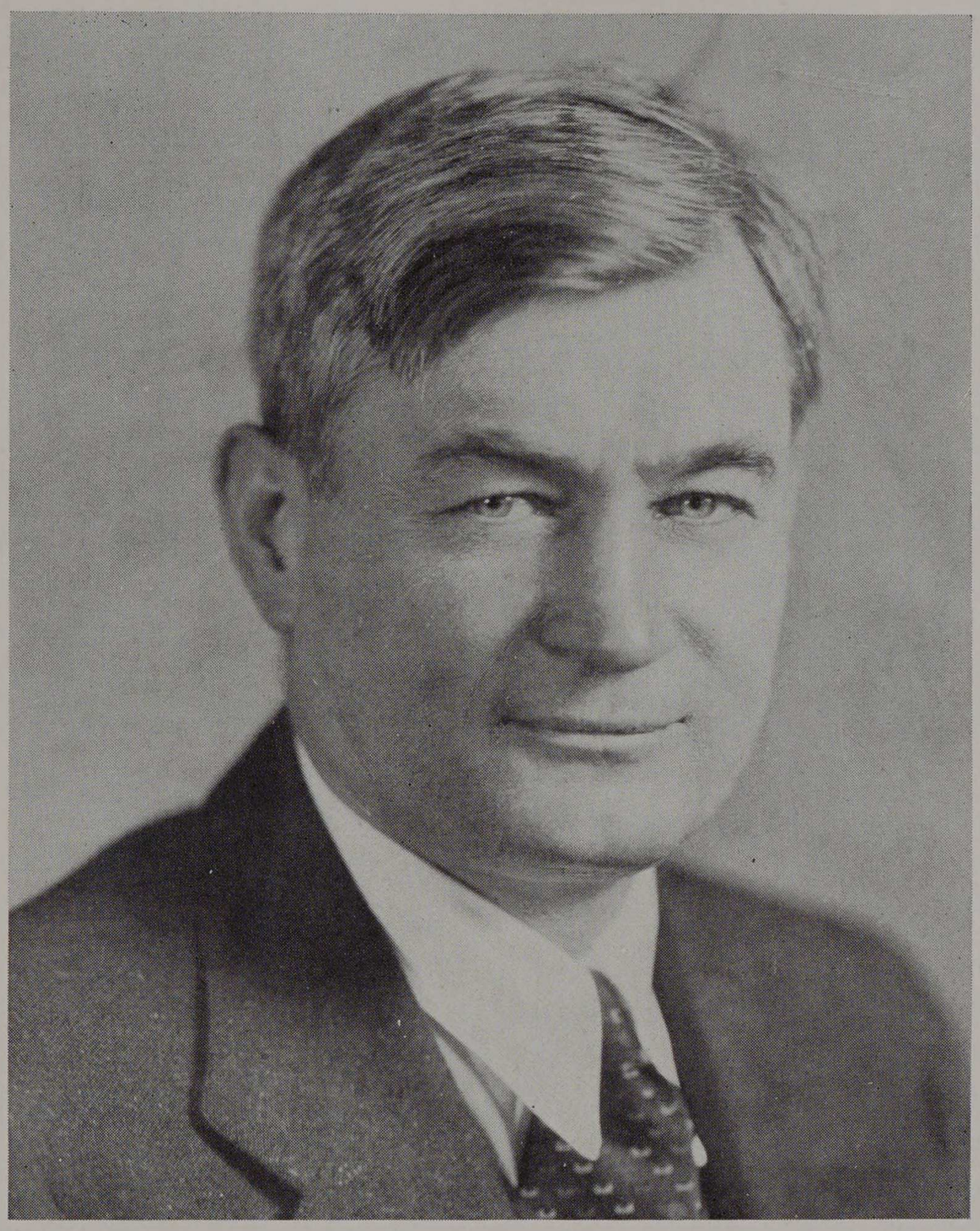

WANTED
£100



ATHLETICS



Electricity, as a source of power, is universally employed in industry. It is one of the cheapest sources of such power in large quantities. It is the giant of the home but the king of the giants in industry. One of the giant generators employed by the Commonwealth Edison is shown above.



SCHOMMER'S MESSAGE

The world has many Fagins and Bill Sikes still trying to ensnare the Oliver Twists and the Nancys. Do not take everything for granted. Listen, analyze, deduct, then act.

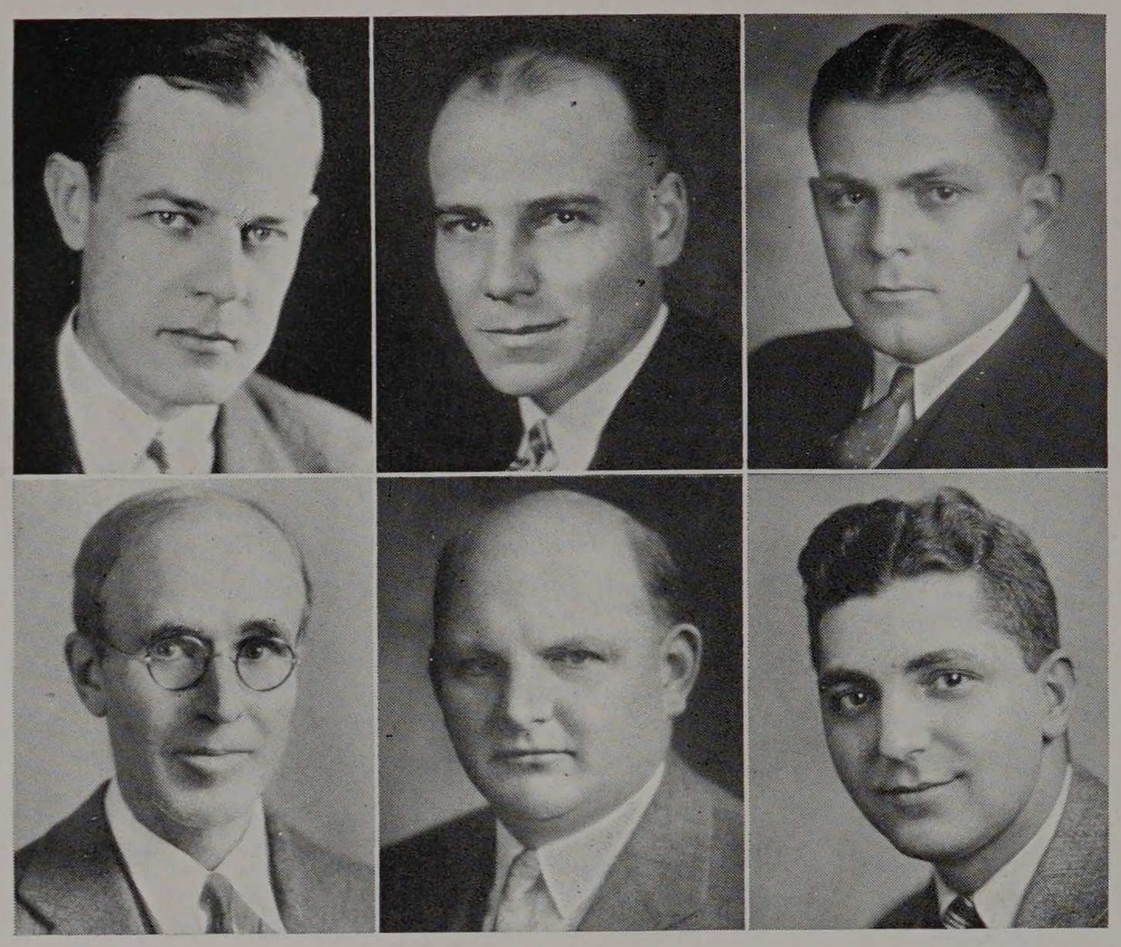
Read biographies of great characters for their shining examples.

Do not create alibis which you can find in all second-rate characters.

Plan to amount to something. What you like to do best, is usually what you are best fitted for. Whatever it is, try to be expert at it. If you wish to be a blacksmith, be one of the best. If a lawyer, be an excellent one. If an engineer, try to be the best in your profession.

Do not neglect to store up a surplus for rainy days—not of money, but of those reserves that count most in time of adversity: health, courage, loyalty, love of truth, courtesy and chivalry (the desire of honor and to aid the weak, generosity to foes, and gallantry). Lead clean lives and strive to constantly advance intellectually, morally, and in your ability and willingness to give service. All this may be best attained by keeping yourself in good health at all times.

—J. J. Schommer.



Colvert, Krafft, Stagg
Leigh, McGillivray, Weissman

THE ARMOUR COACHING STAFF

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

The Armour teams, under the able leadership and instruction of the men named above have completed another successful year. Each of these men has been in charge of his sport for several years and thus his experience is a big help in keeping Armour's colors flying high.

The major sports; baseball, track, basketball, and swimming, have all completed successful seasons. The competition for these teams has been coming from increasingly larger schools each year but Armour has still been able to hold its own. During the last year Armour has had five major contests with Big Ten schools and has won three of them.

In the minor sports, golf and tennis each improved over the previous year's performances while boxing and wrestling are still struggling along with comparatively inexperienced but hard-working competitors and under the very able leadership of Coach Weissmann their continued rise is assured.

ARMOUR TECH ATHLETIC ASSOCIATION

OFFICERS

Stephen M. Lillis . . . . . President
John J. Ahern . . . . . First Vice-President
Roland O. Warner . . . . . Second Vice-President
Albert C. Lauchiskis . . . . . Secretary
Norman J. McGuone . . . . 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

From its inauguration 12 years ago, through the efforts of students led by Harold W. Munday, up to the present time, the Armour Tech Athletic Association has grown until now it envelops and promotes all student activities. Funds are obtained through activity fees paid each semester by the students. Payment entitles a student to membership in the A. T. A. A. and the right to vote for its officers. These officers, along with the duly elected Freshman representative, are members of the Board of Athletic Control, which has representatives of the faculty as members also.

Athletics, including baseball, basketball, track, swimming, tennis, golf, boxing, and wrestling, have advanced to a point where major competition is being taken on with satisfactory results. Major and minor "A" 's for athletic endeavor are awarded by the A. T. A. A. upon recommendations of the coaches. A copious blanket with a chenille "A" is presented to each graduating senior who has won a major "A" in some sport.

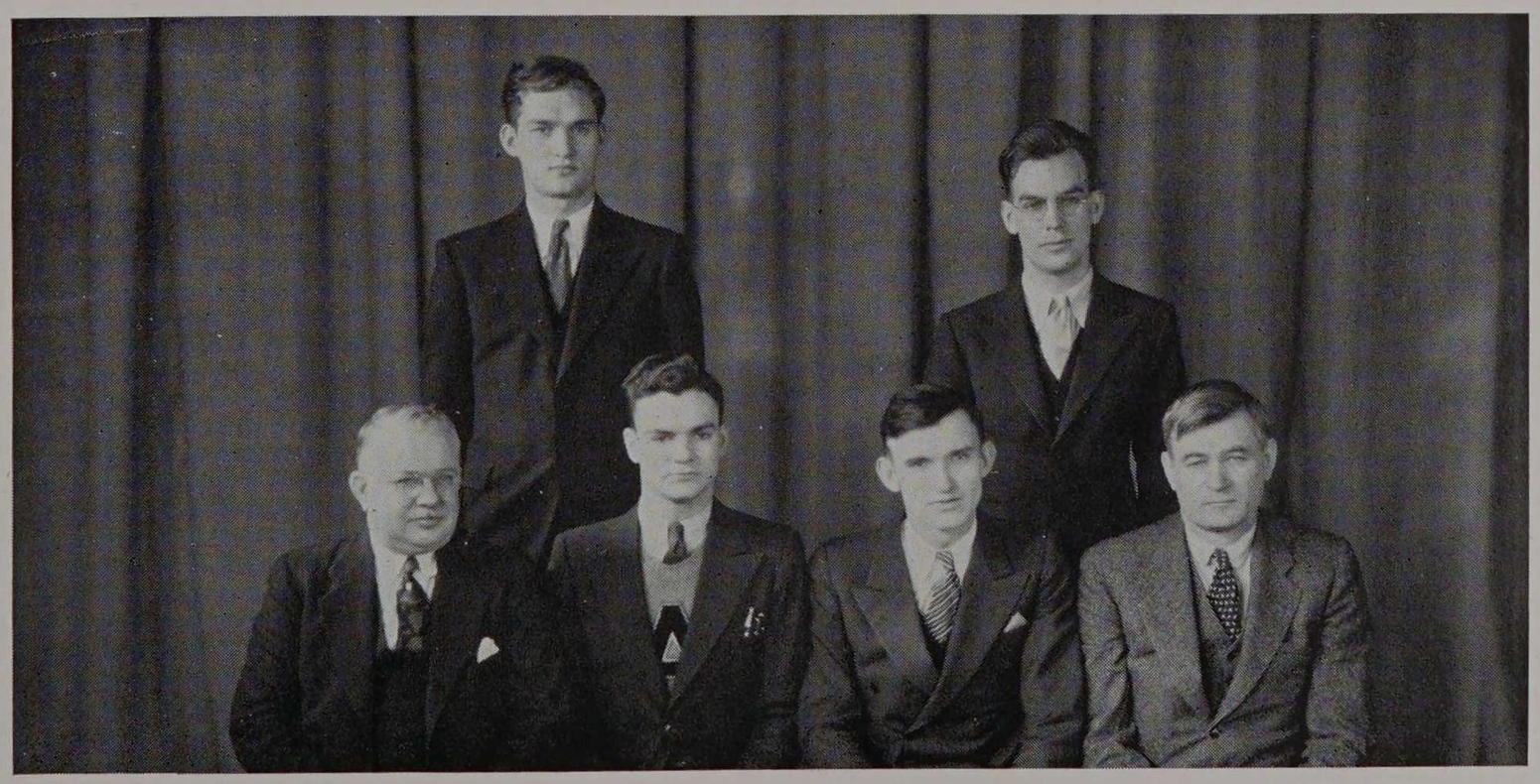
Another form of activity includes the Band, Orchestra, Glee Club, and Rifle Club.

Publications are fostered by the A. T. A. A. which bring the Armour Tech *News*, the *Armour Engineer*, and the *Cycle* to the student body.

Each year Honor *Cycles* are awarded to the ten seniors who have been prominent in the various activities that come under the jurisdiction of the A. T. A. A.

During the past year the A. T. A. A. raised swimming to a major sport, changed the colors of the letters and sweaters, and created a student loan fund out of its surplus which had accumulated from past years.

As in the past, the A. T. A. A. will continue in the future to encourage and further student activity.



Lauchiskis, Warner
Allison, J. Ahern, Lillis, Schommer

BOARD OF ATHLETIC CONTROL

OFFICERS

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

FACULTY REPRESENTATIVES

Willard E. Hotchkiss
Henry T. Heald
Philip C. Huntly
William C. Krafft
Charles W. Leigh
John C. Penn
John J. Schommer

STUDENT REPRESENTATIVES

Stephen M. Lillis ..... Senior
John J. Ahern ..... Junior
Albert C. Lauchiskis ..... Junior
Roland O. Warner ..... Sophomore
Norman J. McGuone ..... Freshman

MANAGERS

George A. Nelson ..... Publicity
George B. McBrady ..... Interclass Athletics
George T. Korink ..... Interfraternity Athletics



McGuone, Warner, Leigh, Heald, Krafft, Lauchiskis, J. Ahern
Penn, Huntly, Hotchkiss, Schommer, Lillis, Allison

HONOR "A" SOCIETY

OFFICERS

Leonard G. Rummel ..... President
John J. Ahern ..... Secretary-Treasurer

ROLL

Emil Adamec
John J. Ahern
William B. Ahern
Richard D. Armsbary
Joseph A. Bacci
Edward J. Baumel
Arthur E. Christoph
Lawrence W. Davidson
Lawrence Frateschi
Nicholas E. Giovan
Irving A. Kolve
Alexander L. Kulpak
Albert C. Lauchiskis
Stephan M. Lillis
Michael A. Lukas
George J. Mayer
Leo J. McDonald
Edward W. McDonough
George A. Nelson
Tad R. Omiecinski
Victor I. Omiecinski
Raymond J. Pflum
George M. Reed
Leonard G. Rummel
Louis H. Streb
Frank L. Talaber

Continuing their program of promoting athletics and sponsoring clean sportsmanship the Honor "A" Society carried through another successful year. Although the society has been supplanted by the Armour Tech Athletic Association in the governing of athletics, it has been active in the moulding of student opinion and in furnishing helpful criticism of athletic affairs.

Our social season was enjoyed by all the members. A Smoker was held on November 1st at the Theta Xi house at which eight pledges were inducted. Their initiation was celebrated in a fitting manner at a banquet in the Boulevard Room of the Stevens Hotel on December 19th. On this occasion our pledges put Charlie Agnew's famous singing ensemble to shame. The coaches were well represented at this affair. Another Smoker is held in the spring of the year for the purpose of pledging more outstanding Armour letter men.

The Honor "A" Society considers it has helped Armour athletics materially this year and hopes to continue doing so indefinitely.



Armsbury, McDonald, W. Ahern, T. Omiecinski, Lillis, Kulpak, Baumel, Kolve, Reed
Adamec, Lauchiskis, Nelson, Christoph, V. Omiecinski, Lukas, Pflum, J. Ahern, Mayer, Marcus

WEARERS OF THE "A"

MAJOR "A" AWARDS

Baseball
C. B. Sommer
W. G. Buehne
G. J. Mayer
E. J. Baumel
M. A. Lukas
T. Omiecinski
V. Omiecinski
L. W. Biegler
V. J. Galvani
S. M. Lillis
G. M. Reed
E. Adamec

Track
E. Bademan
G. Nelson
J. Roberts
A. Oberbeck
L. Frateschi
L. Callen
M. Bejeck
W. Concolino
A. Kulpak

Swimming
R. Knaus
S. Bernstein
G. M. Reed
I. A. Kolve
J. J. Ahern
S. P. Davison
R. W. Suman
J. A. Moore

Basketball
R. J. Pflum
A. E. Christoph
H. R. Dollenmair
G. R. Heike
A. C. Lauchiskis
M. A. Lukas
R. O. Warner

Boxing
F. Talaber

Golf
S. Johannison
W. J. Weldon

MINOR "A" AWARDS

Track
B. Hanson
J. Pattison
D. Neal
R. Fleissner
E. Kenner
H. Cordes
T. Jones
A. Rosen
M. Heller
J. Manly
A. Kreuzkamp
E. Cordes

Boxing and Wrestling
J. Bacci
J. Behmer
L. Marcus
J. Schavilje
L. McDonald
B. Hella
J. Breh
H. Sumner
H. Berquist
J. Larson
R. Schmidt

Swimming
John W. Luce

Golf
L. W. Davidson
W. B. Ahern

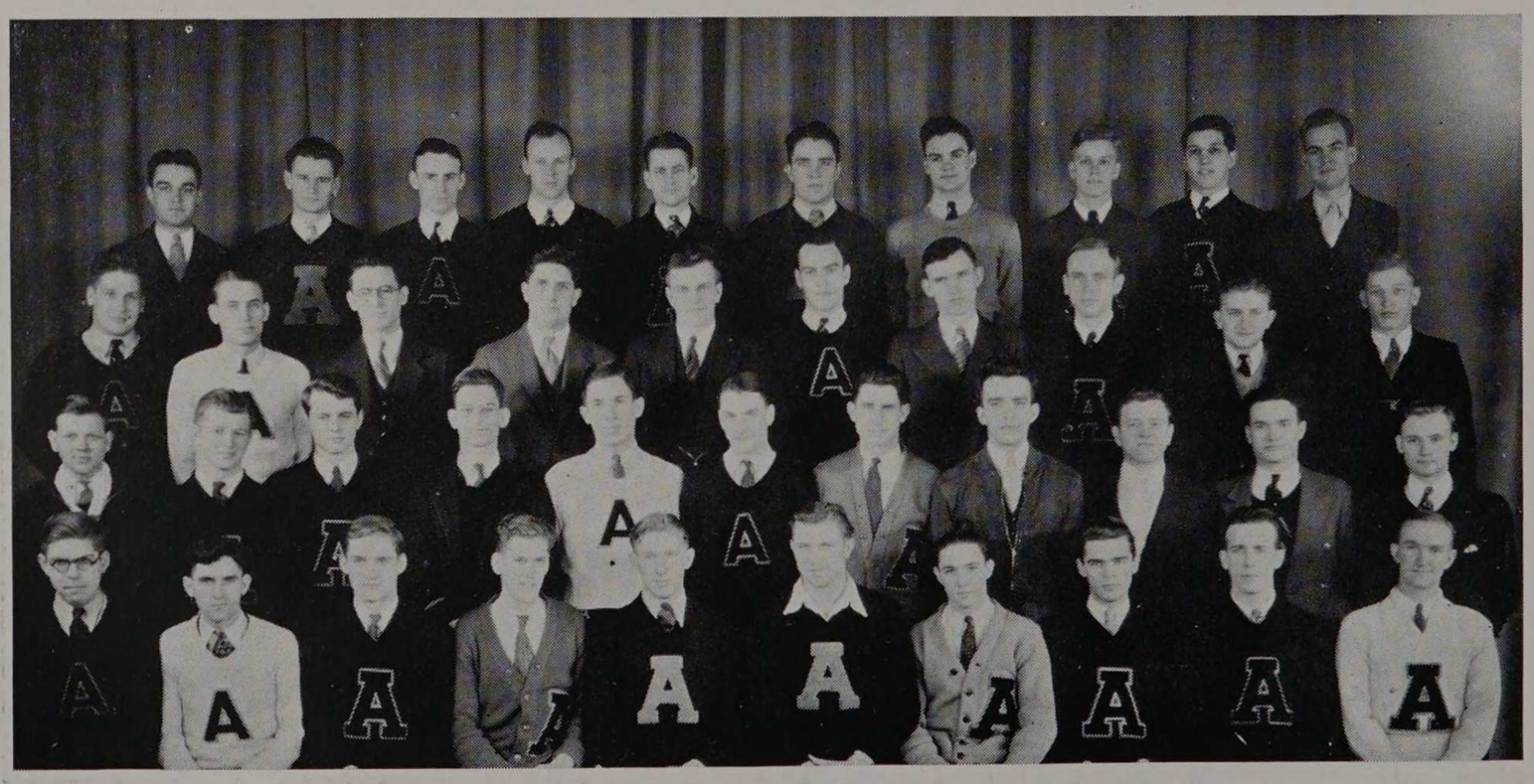
Basketball
R. Merz
L. G. Rummel

Baseball
J. Stehno
A. J. Morrelli

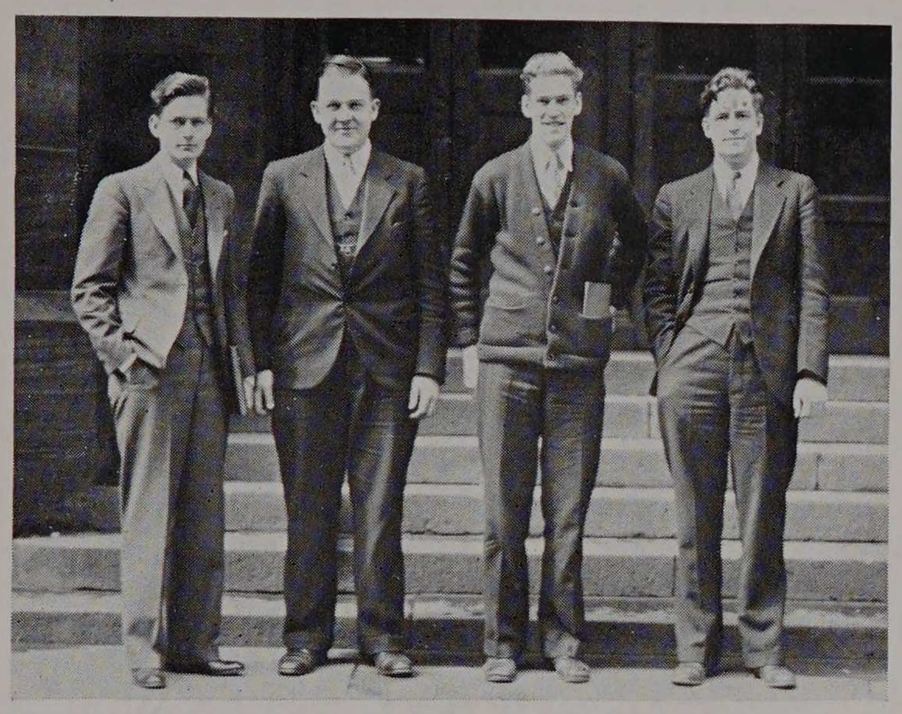
Tennis
L. H. Streb
F. W. Paine
R. D. Armsbary
E. S. McDonough

MANAGER AWARDS

Bradford Larson . . . . . Baseball
Harold W. A. Davidson . . . . . Basketball
Maurice J. Erisman . . . . . Track
Jarl T. Sorensen . . . . . Swimming
Jack R. Pechman . . . . . Tennis
Otto W. Staib . . . . . Golf
James C. Castanes . . . . . Boxing
Frank W. Koko . . . . . Wrestling



Castanes, Mayer, Koko, Manly, Callen, Roberts, J. Ahern, Kolve, Concolino, Warner
Berquist, Armsbury, McDonald, W. Ahern, T. Omiecinski, Knaus, Lillis, Baumel, Marcus, Fleissner
Pattison, Adamec, Dollenmaier, Davison, Bernstein, Neal, Lukas, Kulpak, T. Jones, Morelli, Breh
Hanson, McDonough, Lauchiskis, Nelson, Christoph, V. Omiecinski, Reed, Bejeck, Pflum, Biegler



Davidson, Lang, Nelson, Bisbee

PUBLICITY COMMITTEE

George A. Nelson, C.E. '35 . . . . . Manager
Harold W. Davidson, C.E. '34 . . . . Ass't. Manager
Hugh Bisbee, E.E. '35 . . . . . Scribe
Russell Lang, Ch.E. '35 . . . . . Scribe

The A. T. A. A. Publicity Staff, under the able leadership of George Nelson, has this year assumed an important place in the Armour Tech Athletic Department. These men are responsible for the newspaper publicity accorded all home contests.

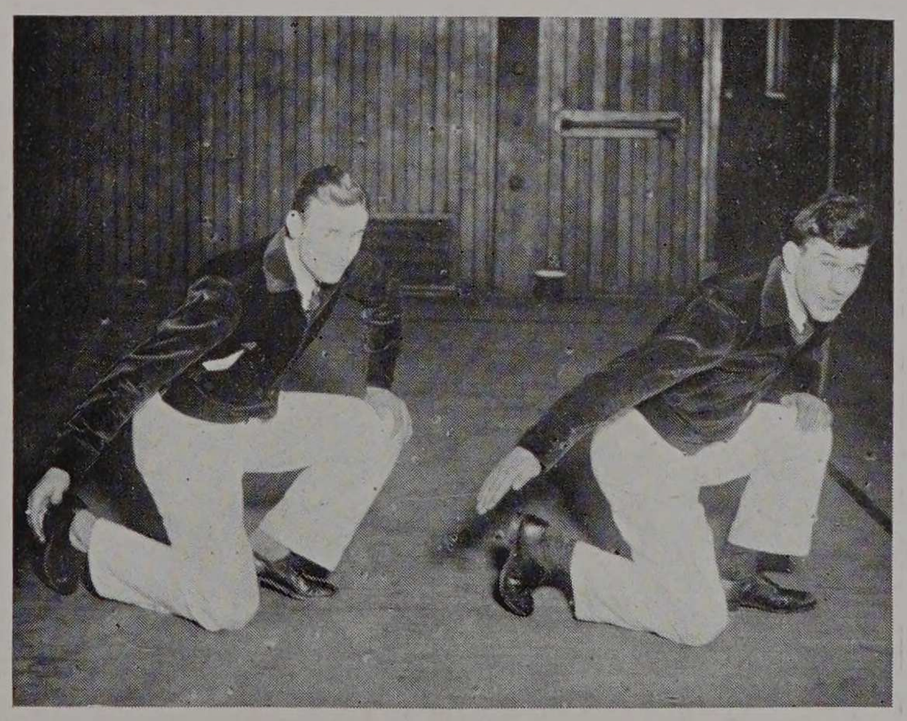
It has been the aim of the present staff to cover every athletic event involving a Techawk team on its home ground, such coverage being deemed necessary to achieve the repeated recognition of the daily papers.

The success of this work was due in no small measure to the cooperation of an alumnus, Mr. George Opper, C.E. '10, a consulting engineer, who allowed the men to use his office in the Wrigley Building. This enabled the staff members to submit their reports to the papers much more promptly than would have otherwise been possible.

YELL LEADERS

Frank Koko
Joseph Bacci

No small part of the excellent showing made by the Armour teams this year is due to the fine work of the two yell leaders, Frank Koko and Joe Bacci. The yell leading of these two men at the pep assemblies before the games helped to swell the attendance and to create an added interest in the teams among the student body. The importance of these two men in the athletic activities at Armour cannot be over-estimated. What is it that makes a team fight an uphill battle but the knowledge that fellow classmates are standing on the sidelines watching and cheering for it to come through and win. It is the job of the cheer leaders to let the team know that the students are backing them and when Joe and Frank are leading the cheers the team is never allowed to forget that win or lose they are still Armour men.



Koko and Bacci Lead the Yells

BASEBALL, 1933

The Armour Tech baseball team compiled the most unfavorable record that a team under Coach Krafft has ever made and yet, at that, they only lost one more game than they won.

Hopes for a championship team were high when seventy candidates answered the call for players early in March. Of these there were sixteen former squad members and ten returning lettermen.

The season started very auspiciously when Armour beat the University of Chicago in the first game 3 to 2. Armour drew first blood when they scored a run in the first inning by combining two walks and an error. They pulled further ahead in the second inning when Biegler made Armour's first hit of the year, a single to center, stole second, and scored on Lillis' smack to right field. Chicago managed to tie the game in the fourth inning when they scored two runs on two hits and a walk. The game remained deadlocked until the eighth inning when Armour managed to put across the winning run. Tad Omiecinski singled and reached second by virtue of a sacrifice bunt. "Lefty" Mayer, Armour's star pitcher, then drove in the winning run with a smashing hit to center.

Chicago played a return game at Armour on April 11th and this resulted in another win for

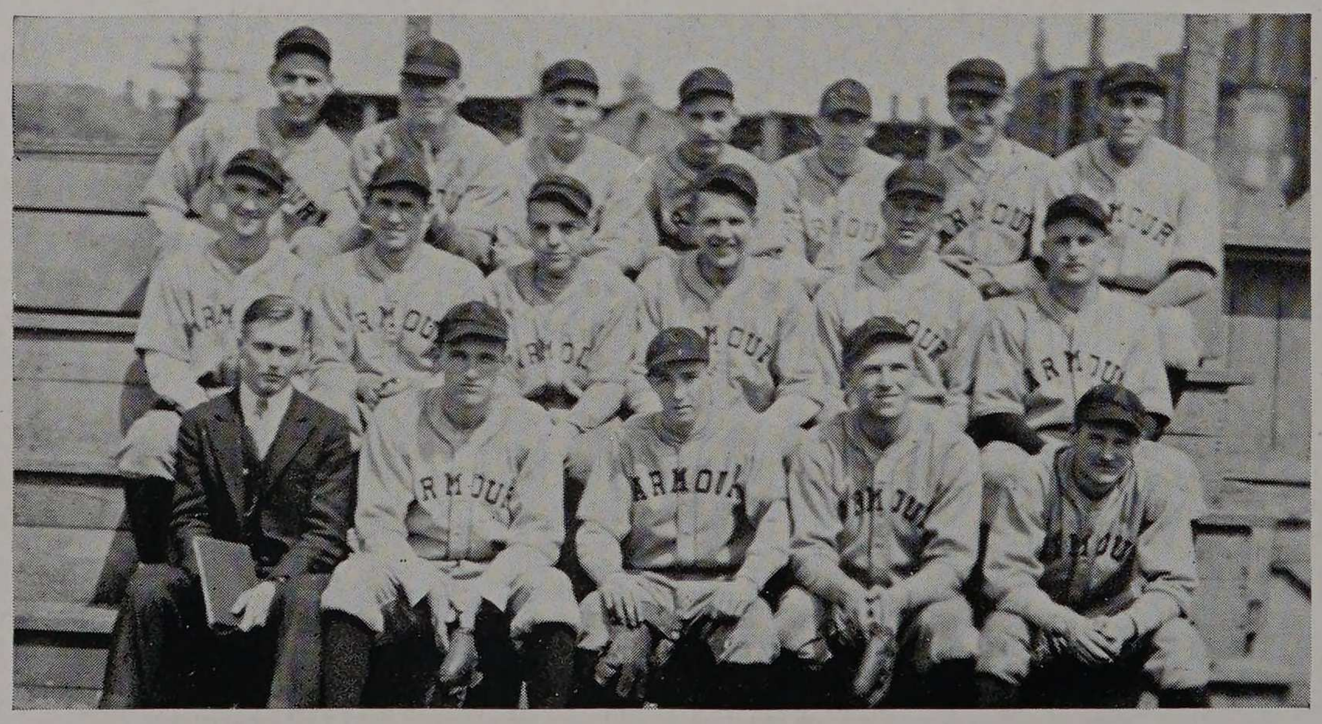


WILLIAM C. KRAFFT

Coach Krafft again showed his baseball coaching ability by keeping an erratic team in a fighting mood for a long and difficult season. He scheduled games with teams of a better caliber than Armour has met in previous years with fairly good results.

GEORGE MAYER

"Lefty" Mayer turned in more star pitching performances than any other lefthander has ever done for Armour. Big league scouts were on his trail after his first three victories but he was overworked early in the season and lost some of his effectiveness. A better staff on next year's team should carry George to even greater heights.



Stehno, Baumel, Morelli, Machinis, Dunn, Shewchuk, Krafft
Biegler, Lukas, Galvani, T. Omiecinski, Adamec, Sommer
Larson, Lillis, Reed, V. Omiecinski, Mayer

The Baseball Squad of 1933



VINCENT GALVANI

"Gal" Galvani was the substitute infielder who filled in so brilliantly whenever one of the regulars was incapacitated. His experience and ability pulled the team through several shaky spots. His loss by graduation left the team with a big hole to plug.

EDWARD BAUMEL

Ed Baumel was the star right hander of the pitching staff. His fine change of pace and good curve ball stood him in good stead throughout the year. He won three games while losing two and helped out in two other games. He was playing his first year for Armour.

the Techawks. The score this time was 7 to 0. George Mayer pitched all the way and only allowed three hits while striking out ten. Everyone contributed his share of hits to the Armour total with Captain Sommer getting three doubles and a single.

The next opponent was Chicago Normal. This resulted in another Armour victory by a score of 10 to 2. Baumel and Buehne pitched for Armour and gave up six hits between them. Vic Omiecinski was the slugging hero of the encounter when he pounded out a home-run and two doubles.

On April 21st Armour met their second Big Ten opponent when they played Northwestern University. It was an extremely cold day and the Armour boys seemed strangely affected. There were nine errors made behind four Tech pitchers. The score at the end of the seventh inning was 16 to 1 but Armour made seven runs in the last two innings. The final score was 17 to 8.

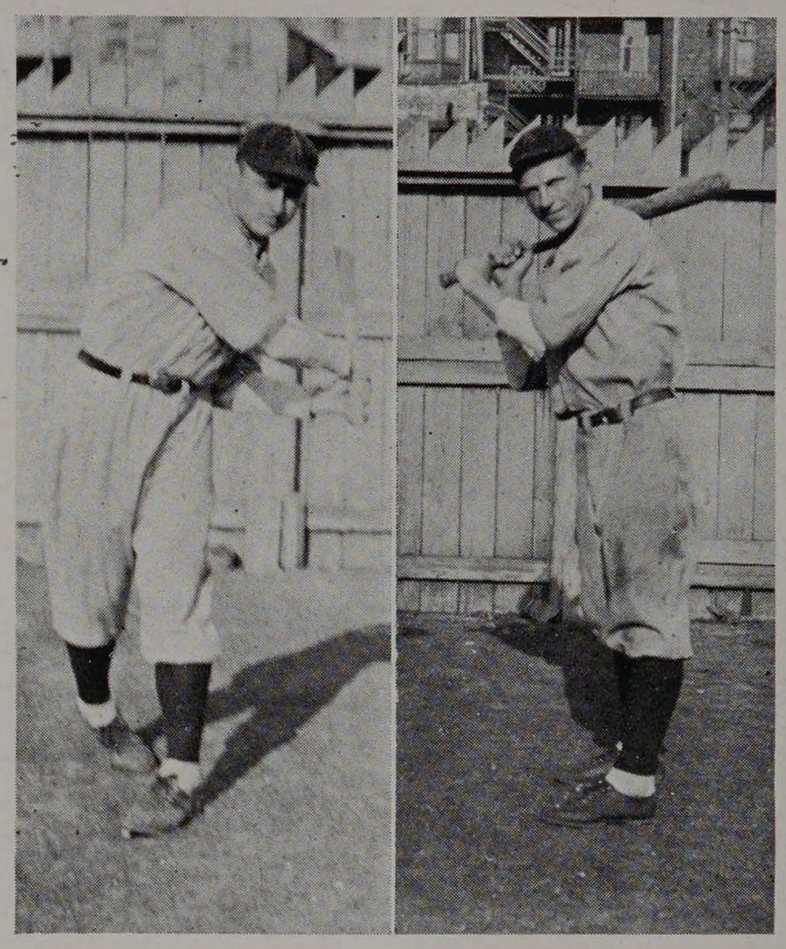
The next day Armour travelled out to Lake Forest to play their first league game. It turned out to be a pitchers' duel between Mayer of Armour and Drakeman of Lake Forest. Lake Forest made two runs in the first inning and the Hawks tied it up by making two in the second. The game remained a 2 to 2 tie, both teams muffing many opportunities to win, until the 11th inning, when



Galvani Socks Out a Line Drive

Lake Forest scored the winning run on a hit, a walk, and a wild throw by Mayer when trying to make the final out.

The next game was with North Central and here the Armour men really showed what they could do with their bats when they had to. As the game went into the last half of the sixth inning the score was 7 to 2 in favor of North Central. In the sixth inning Armour made one run and then in the seventh they made three more when Vic Omiecinski's home run cleared the bases of two men who were parked there. In the last half of the ninth inning with one out and the Engineers still at the short end of a 7 to 6 score, Reed slashed a single to right and stole second. Lillis came through and promptly scored his teammate with the tying run on a base hit to the same spot. The Naperville team scored a run in their half of the tenth frame to go into a last minute lead. In a do or die spirit the Techawks went into the last inning and quickly got men to second and third by virtue of an error and a walk to Buehne and Galvani respectively. When Vic Omiecinski struck out for the second out of the inning groans went up from the Tech bench. Oesterle, visitor catcher, then threw the ball into left field, trying to pick off Buehne who scored the tying run. Passes were given to Reed and Lillis to load the bags. With the



CHARLES SOMMER

Charlie Sommer turned out to be one of the best baseball captains Armour has ever had. His stellar outfielding and timely hitting were all that could be desired. His natural leadership was displayed in his great popularity with the other players.

VICTOR OMIECINSKI

Vic Omiecinski finished his third year as an Armour regular in a blaze of glory. He was the second leading hitter on the team and the most dangerous man to face in a pinch. Because of his fine playing and popularity he was elected Captain of the 1934 squad.



A Pop Fly to the Pitcher



MICHAEL LUKAS

"Mickey" Lukas was the regular catcher for the second year. His receiving and handling of pitchers improved noticeably. Although his batting fell off about forty points he still banged out a lot of extra base hits. Next year he should be a great star.

PETER MACHINIS

"Pete" Machinis is the best and hardest working batting practice pitcher Armour has ever had. He can make a ball curve a mile in practice but when he gets in a game he just can't throw that ball over the plate. His good humor helped take the players' minds off their worries and in this way he was a valuable asset to the team.

responsibility resting on his shoulders, Tad Omiecinski slashed a liner down the third base line to score Reed with the ninth and winning run.

On April 29th the team travelled out to Wheaton to administer a 13 to 3 triumph over the suburbanites. Baumel, Sophomore, pitched his first full game and turned in a fine 7 hit performance.

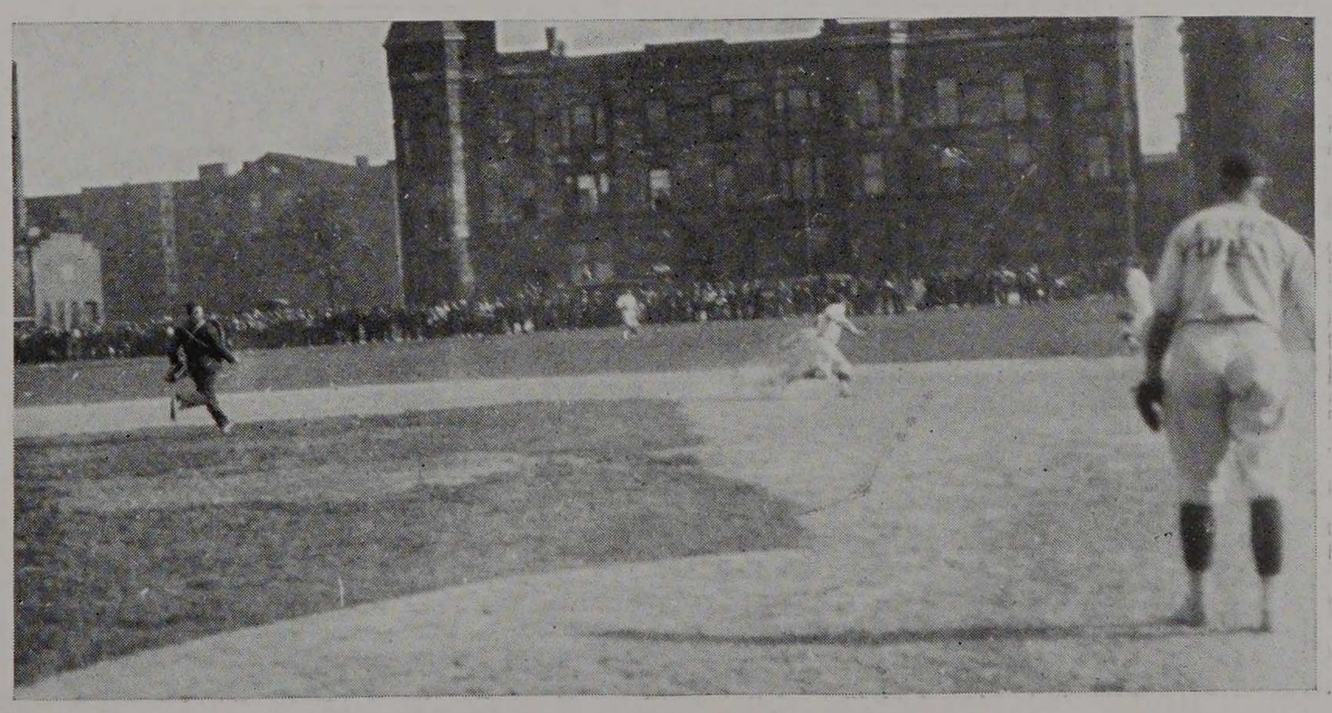
Northwestern University, on May 1st, started a string of four consecutive defeats in which the players made an average of six errors a game. The score of the Northwestern game was 10 to 2 and only rain prevented this score from being twice as bad. The Armour batters never had a chance against the blinding speed of Northwestern's great pitcher, Johnson.

On May 4th the boys absorbed another defeat at the hands of Michigan State Normal by a score of 14 to 3. Again ragged fielding and weak hitting and pitching combined to ruin the day.

May 10th marked the day that Armour lost their chance to win the league title. Lake Forest was the victor this time by a score of 5 to 3. Mayer pitched a four hit game but six errors in the infield was too much of a handicap to overcome.

The next home game was on May 15th when Michigan State Normal won a 6 to 4 game at Ogden Field. The team showed that they could star in the field at times when the keystone duo

Action Around Second



of Omiecinski and Biegler collaborated to make three fast double plays. The Michigan boys out-hit the Hawks 12 to 8 and that practically tells the story.

Wheaton was the team on which the Armourites finally let loose their belated deluge of base hits. The final score of this game was 19 to 1 and not an Armour man failed to collect a hit. Morelli pitched the whole game and allowed only five hits.

May 20th marked the date of a double-header with Elmhurst on the latter's field. The first game was won by a score of 12 to 5 behind some steady pitching by Ed Baumel. Reed was the star of this game with some timely hitting and fine fielding. Adamec and Tad Omiecinski also got some much needed hits in welcome spots.

The second game was another story, however, when Elmhurst put in their star pitcher, Bloesch. The opponents also seemed to find new power in their bats and collected ten hits to win handily by a score of 9 to 4.

The final game of the season was on May 23rd with North Central and this ended in defeat by a score of 5 to 4 in ten innings. Morelli and Mayer pitched for Armour but again errors made the struggle too unequal.

This ended the season for Armour, with one of the poorest records in years. They finished in a tie

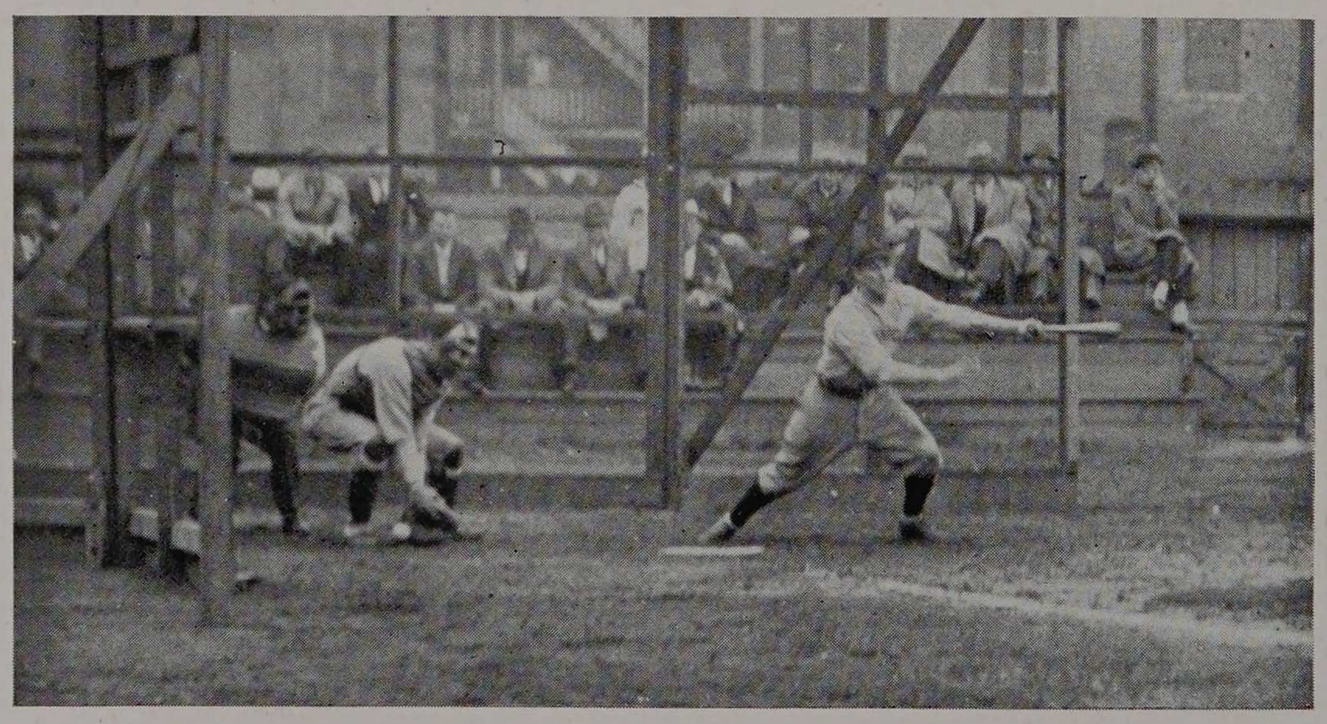


GEORGE REED

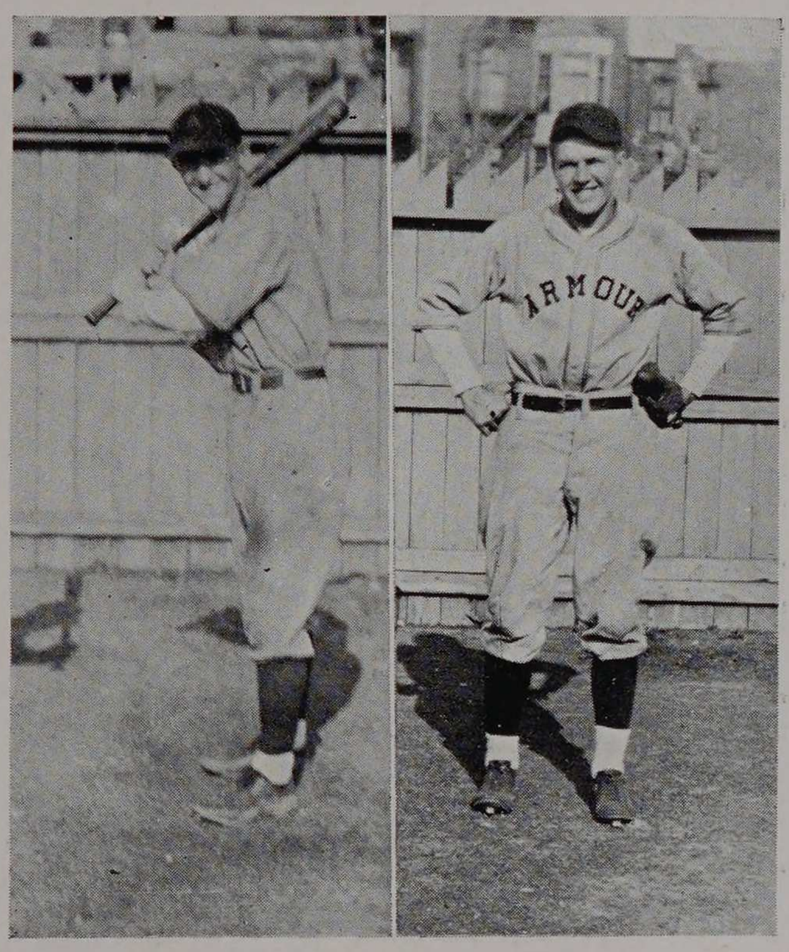
"Pepper" Reed, as he was called by his team-mates, was just that. He played left field and was the fighting, cheering leader of the team. As lead-off man he could not be beaten. His daring base running won two games when, at a critical point in the game, he stole home.

STEPHEN LILLIS

"Steve" Lillis, third baseman, was another veteran of the Armour team. Although his fielding was quite erratic his hitting was of the best. A natural outfielder, he only played third base to fill the gap. Next year he will rove the outer gardens and undoubtedly have a better season.



Omiecinski Lets Out a Hard Drive



LOUIS BIEGLER

Lou Biegler was the regular second baseman and made only one error during the year. His exceptionally fine fielding helped to steady an otherwise shaky infield. He was a light hitter but managed to reach first base often by a base on balls. He batted second and thus had many opportunities to bunt.

TAD OMIECINSKI

Tad Omiecinski was the team's leading hitter for 1933. There was nothing soft or flukey about any of his hits, every one being of the line drive variety. He played first base for the greater part of the season but shifted over to third base at the end of the year with good results.

for third in the Northern Illinois Conference when they won four games and lost four games.

Only three lettermen were graduated, Captain Sommer, a star outfielder; Bill Buehne, a good right handed pitcher; and Gal Galvani, substitute infielder. The 1934 team, with many returning veterans, should be able to greatly improve on the above stated record.

SCHEDULE

April 4—Armour 3, University of Chicago 2, at Chicago.
April 11—Armour 7, University of Chicago 0, at Armour.
April 13—Armour 10, Chicago Normal 2, at Armour.
April 21—Armour 8, Northwestern University 17, at Evanston.
April 22—Armour 2, Lake Forest 3, at Lake Forest.
April 26—Armour 9, North Central 8, at Armour.
April 29—Armour 13, Wheaton 3, at Wheaton.
May 1—Armour 2, Northwestern University 10, at Armour.
May 4—Armour 3, Michigan State Normal 14, at Ypsilanti.
May 10—Armour 3, Lake Forest 5, at Armour.
May 15—Armour 4, Michigan State Normal 6, at Armour.
May 17—Armour 19, Wheaton 1, at Armour.
May 20—Armour 12, Elmhurst 5, at Elmhurst.
May 20—Armour 4, Elmhurst 9, at Elmhurst.
May 23—Armour 4, North Central 5, at North Central.

SUMMARY

Won	7
Lost	8



A Home Run Coming in

INDOOR TRACK, 1934

Figuring on the strong competition afforded by the many middle western colleges Armour made a good showing in the 1933 Indoor track.

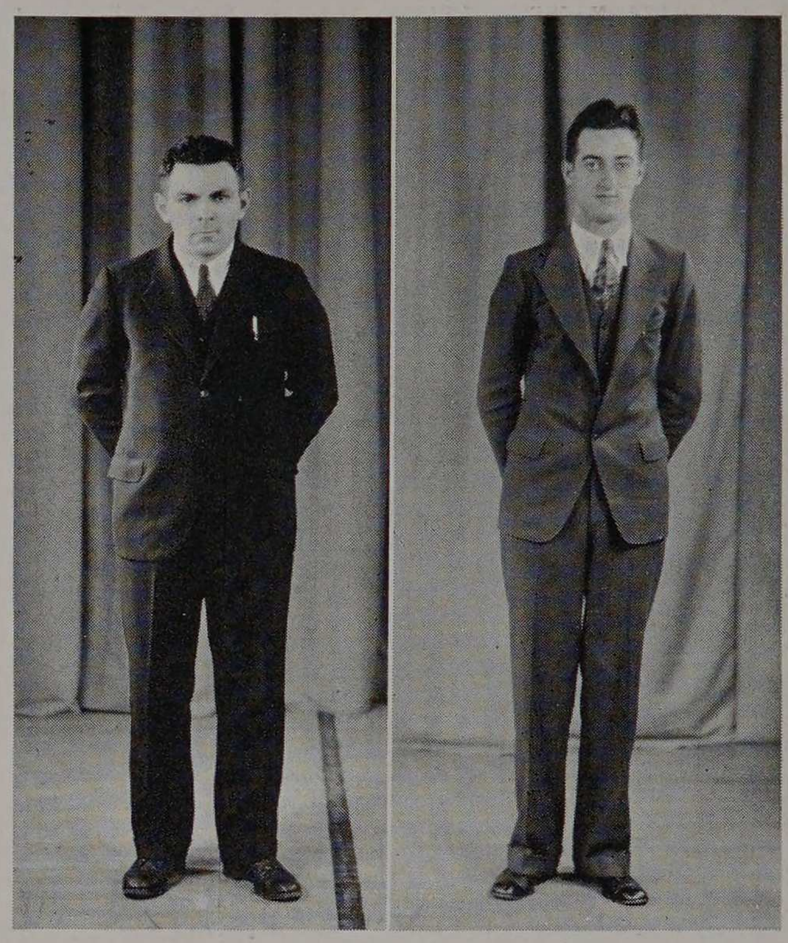
Out of the seven tough meets Armour took four.

In her first meet Armour suffered a heavy loss. The tracksters won the high jump but could not run up a total high enough to beat the University of Chicago. The total score was 67-37 which ended a bad January 24 for the "Techawks."

Armour came back two weeks later to show her grit by beating LaGrange at the U. of C. field-house on Saturday, Feb. 11, to the tune of 55-31. This meet was short but decisive. Kruezkamp and Roberts came in first and second respectively in the 60 yard dash. Callen led Jones and Hanson to the finish line in the mile run to place first, second, and third.

Three days later the tracksters came through again to take the University of Chicago "B" team by a score of 56-39. Captain Sademan took the honors this time by showing the way to the finish line in the 60 yard dash and in the 440 yard run. Armour ended the meet by winning the relay led by Captain Nelson.

Four days later the "Techawks" continued their winning streak by defeating Loyola. In this match

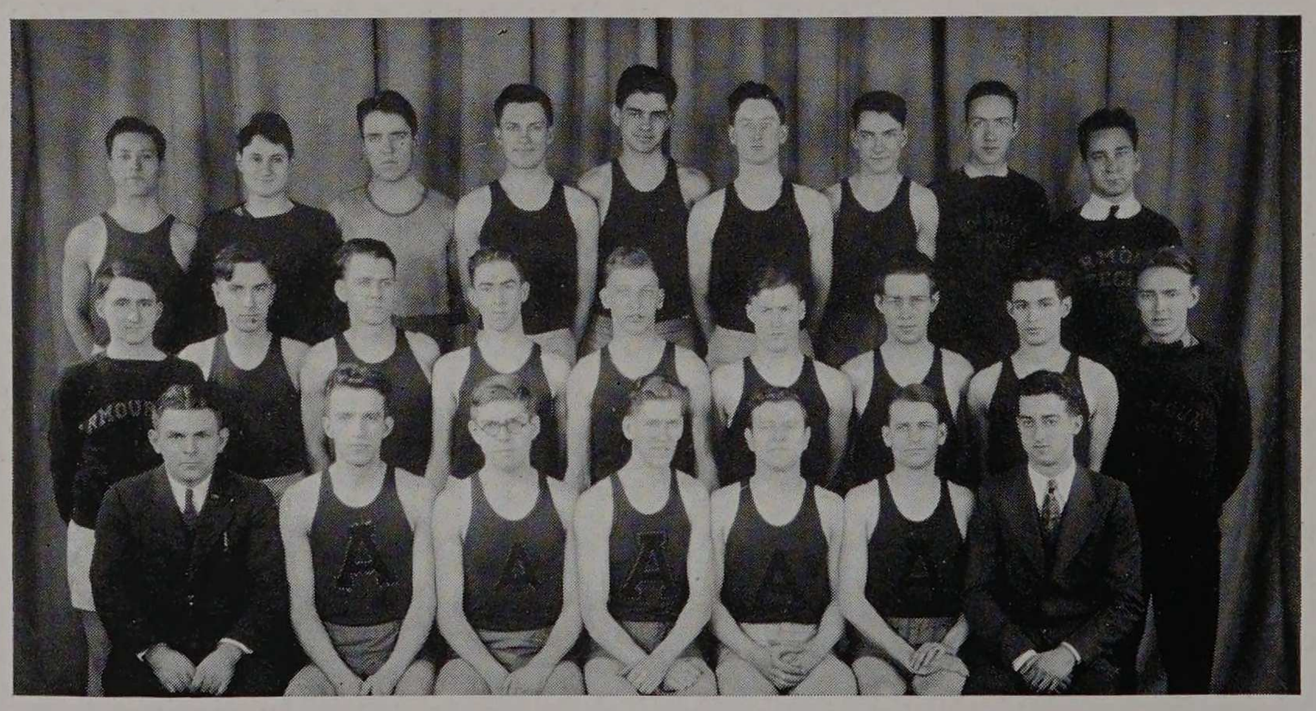


COACH STAGG

"Lonnie" Stagg is the kind of man that everybody likes. He did much for the Armour track team in the way of coaching, par excellence. The success of the Armour Relays can more than be partially attributed to this great man who did all in his power to make them greater than ever.

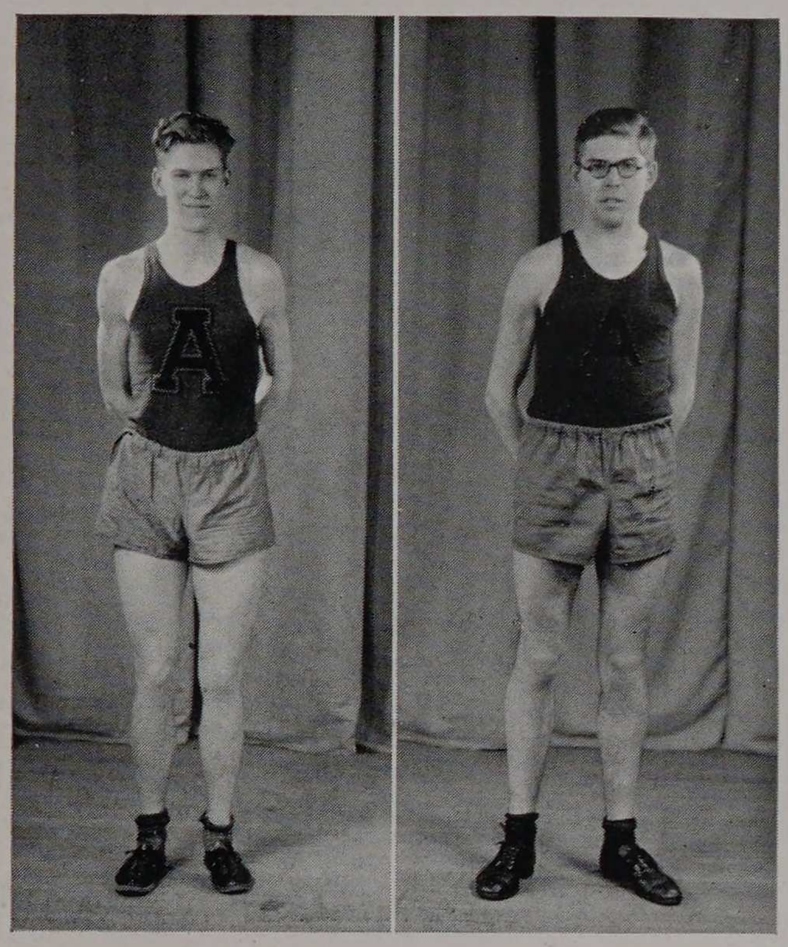
ASSISTANT MANAGER KUEHN

"Nick" Kuehn assisted Manager Erisman nobly all season and was awarded the managership of the 1934 team because of his good work. He promises to arrange even a harder schedule for the next year's team.



Schneebalg, Hoyer, Roberts, Fanta, Bristol, McGuone, Neal, Downing, Handler
Hoyer, Berkland, McGrath, Carroll, Fleissner, Friede, Williams, D. Fleig, Freeman
Stagg, Kulpak, Hanson, Nelson, Jones, Callen, Kuehn

The 1934 Indoor Track Squad



GEORGE NELSON

Nelson has recently been appointed Captain and he well deserves this esteemed position because of his brilliant work in the hurdles and high jumping. George has done his very best for Armour, which is self-evident from his brilliant three year record.

GEORGE HANSON

Hanson has been one of the most consistent track men on the team. His name is connected with point winning of every variety. Because of Hanson's strong competition against other colleges he was always a great help to the Armour team in gathering points.

Roberts and Sademan came through with firsts in the 45 yard high hurdles and the 440 yard dash respectively. Kulpak and Bejeck tied for first in the high jump and Armour ended the meet by winning the relay via Roberts, Nelson, Kruezkamp, and Sademan.

On Friday, February 24 the tracksters' winning streak was finally broken by the strong North Central team. Roberts and Nelson took a second and a first in the 60 yard high hurdles and Sademan took a second in the 440 yard dash. Roberts and Nelson repeated in the 60 yard low hurdles but to no avail.

On Thursday, March 4, Armour trounced on Crane College by scoring either a first or second in nearly every event. The meet was ended by Armour winning the half mile relay through the "Four Horsemen," Kruezkamp, Concolino, Oberbeck and Nelson.

The last meet of the season was a terrific loss to the squad. Bradley walked over Armour to the tune of 82-44 on Saturday, March 6, 1933. Callen and Hanson took a first and second in the two mile run and Nelson and Rosen took a first and a third in the 220 yard low hurdles. The Bradley men chased Sademan to the finish line in the tedious 880 yard run.

This meet ended the 1933 Indoor Track season.



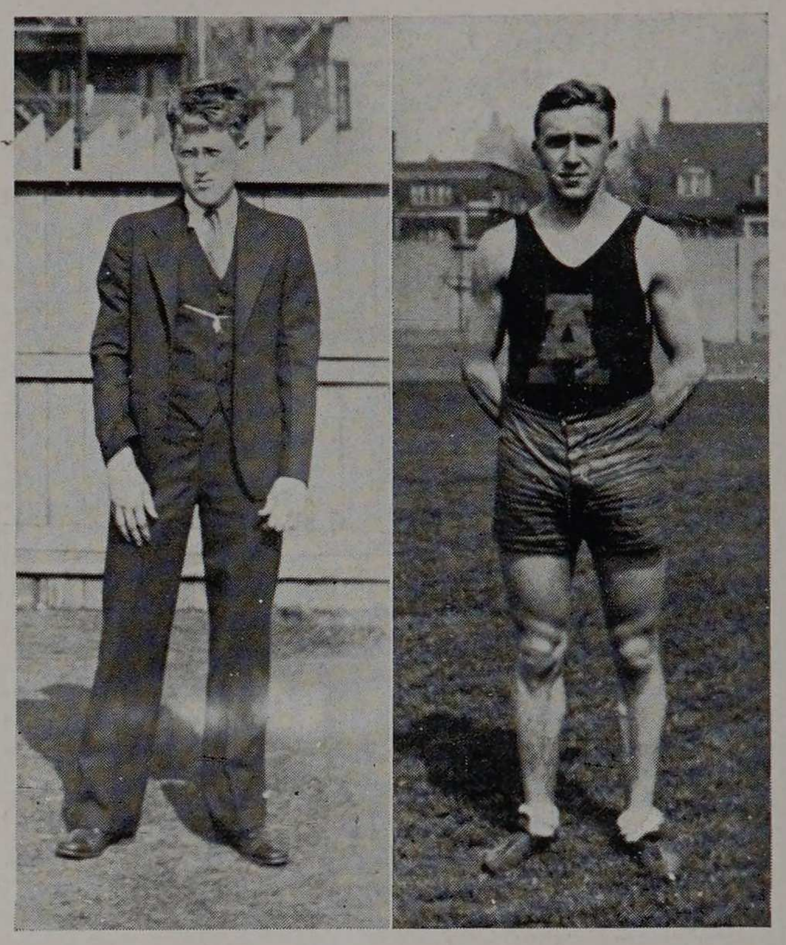
The Armour Relays

OUTDOOR TRACK, 1933

The outdoor track season opened with a bang for the engineers on Saturday, April 29. The initial meet which was against Lake Forest ended with a final score of 70-56.

In the 220 yard high hurdles Nelson took a first and Oberbeck came in third. Callen led Hanson to the finish line in the strenuous two mile run and Nelson and Oberbeck repeated in the 220 yard low hurdles. Pattison ran away with the 880 yard run and Nelson came back to take his third first place of the day, the high jump. Frateschi excelled in the shot put and Roberts and E. Cordes ended the meet by winning a first and second in the javelin throw.

A week later the tracksters continued their good work by trouncing George Williams on May 1. Captain Sademan started the day off by placing second in the 100 yard dash. The mile run was won by Armour when Pattison and Jones crossed the finish line in that order. The two foremost hurdlers, namely Nelson and Oberbeck, hurdled their way to first and second place respectively, in the high and low hurdles. Kenner and Neal took second and third place in the 440 yard dash and the Callen-Hanson twosome kicked plenty of dust into the eyes of George Williams in the two mile

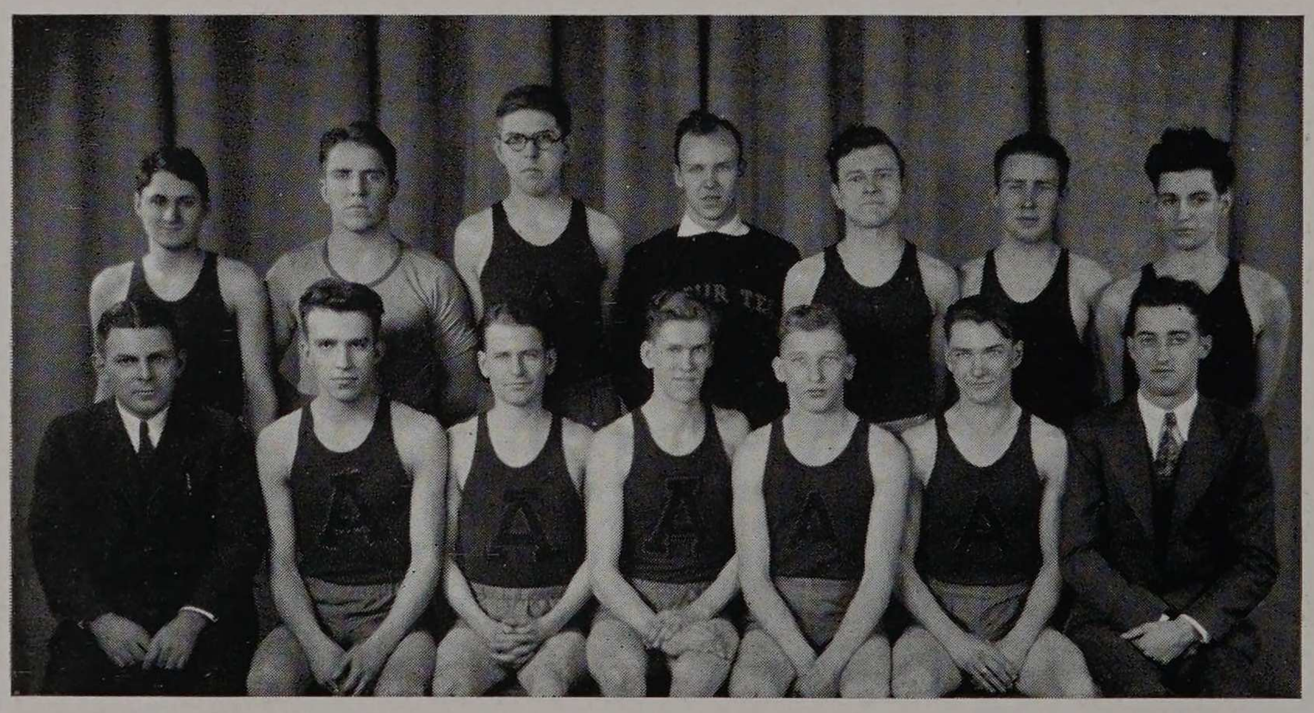


MANAGER ERISMAN

Erisman did excellent work in making a tough schedule for the tracksters. His co-operation with the team won him the highest regard of his friends. Through the excellent work of Erisman the trackmen can look back on an exceptionally tough season.

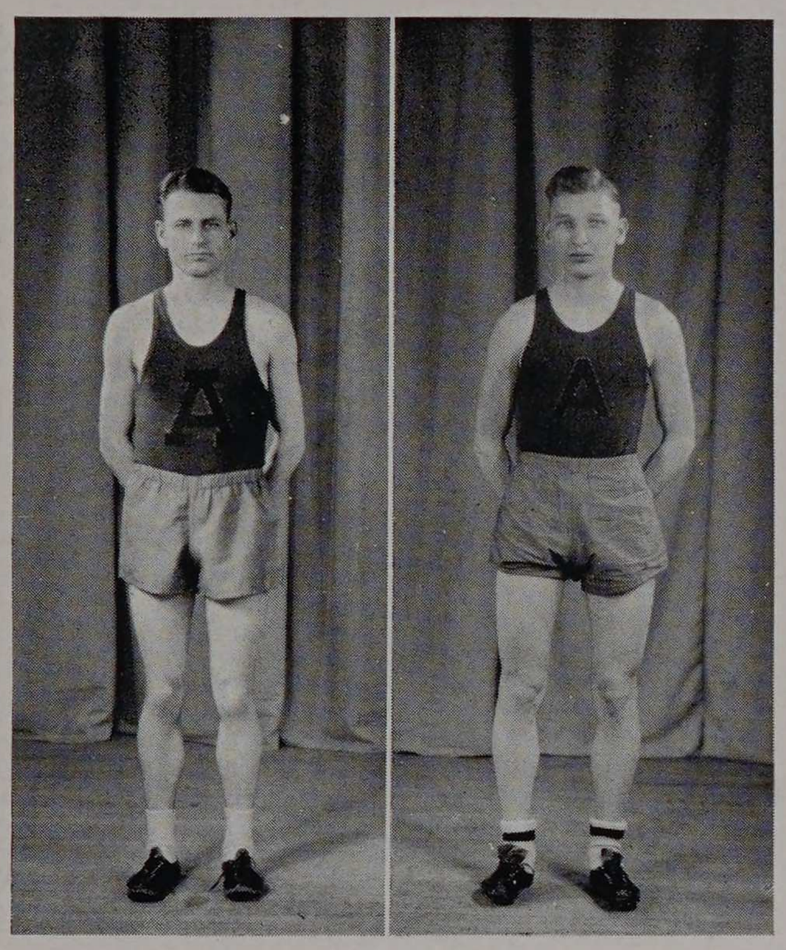
ELMER SADEMAN

Elmer was third in ranking of points for the total year. His consistent 440 and 880 yard running has done much for the Armour team. "Sadie" has done much good work as lead-off man for the Armour relay team. He's a hard man to beat and was an excellent Captain.



Hoyer, Roberts, Hanson, Manly, Jones, Williams, Fleig
Stagg, Kulpak, Callen, Nelson, Fleissner, Neal, Kuehn

The 1933 Outdoor Track Squad



LOY A. CALLEN

Callen, our good "miler," has shown his courage and stamina in every meet he has entered. There are very few meets that Callen entered without making a good showing. He has shown the best of his opponents the way to the finish tape.

RAY FLEISSNER

Fleissner, another of our distance men, has done exceptional work on the track. His work is getting better and better and someday we hope he will be one of our star high point men. His spirit of "do or die" has helped to keep his track standing high.

run. Bejeck and Nelson took first and second in the high and broad jump and the two Cordes brothers assisted by Vondrak unanimously won the javelin throw which ended the meet with a score of 82-42.

At the Elmhurst Invitational on May 8 at which more than ten colleges were represented, Armour came through to win second place against terrific odds. Nelson became the high point man in this meet by winning the 220 yard low hurdles, taking a second in the high jump and coming in fifth in the 120 yard high hurdles and the broad jump, which piled up a total of 10 and ¾ points. Sademan took a second in the 880 yard run and "Johnny" Roberts placed fourth in the javelin throw. Roberts repeated in the discus throw and the meet was over when Armour won a fourth in the one mile relay.

The Armour tracksters beat both Crane and Normal college in the annual triangular meet held at Ogden Field on May 12. This was the most successful meet of the season for the "Techawks." The Armour men took first place in the mile run, the high and low hurdles, the 440 and 880 yard runs, the high jump, the shot put and the discus throw. Together the "Techawks" amassed a grand total of 95½ points.



Roberts in the Broad Jump

Oberbeck in the High Hurdles

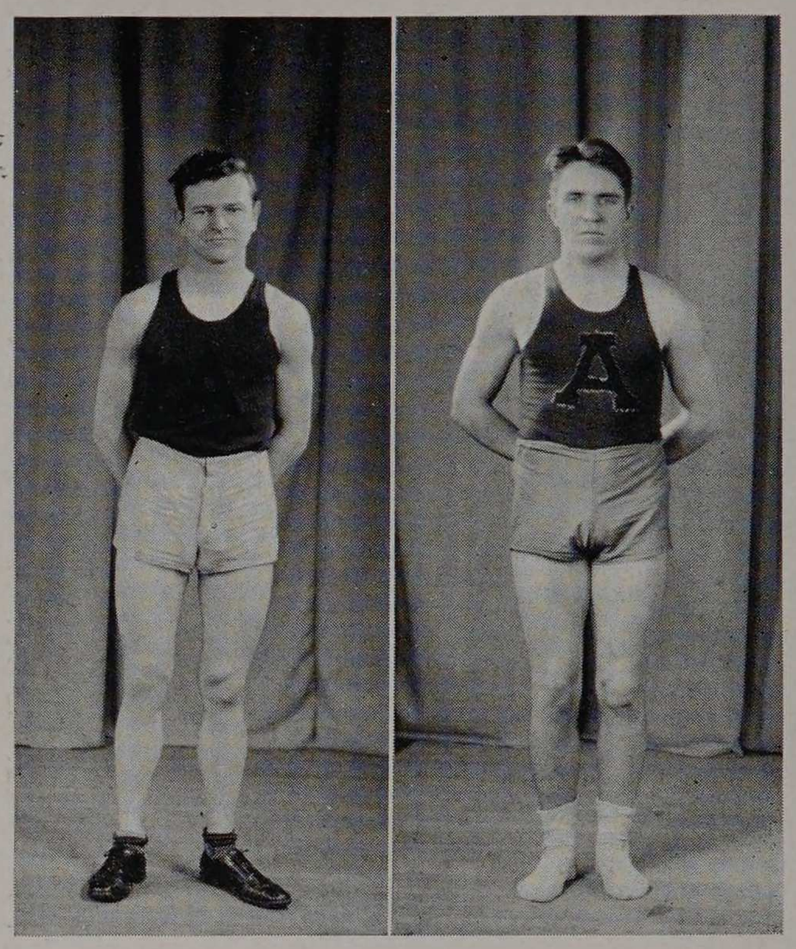
Reed in the Broad Jump

The mile run was won by Armour via Hanson, Fleissner, and Callen. Oberbeck and Rosen showed the visiting teams how to win the high and low hurdles. Sademan, Pattison, and Fleig placed in that order in the 880 yard run and in the next event, the high jump, Nelson, Kulpak, and Bejeck brought the Armour colors to victory. Frateschi and Roberts threw the sixteen pound ball farther than the opponents. Then Roberts repeated the good work assisted by Manly when they took first and second place in the discus throw. In the last event, the javelin throw, the Cordes brothers with Ray Pflum's assistance won a second, a third, and a fourth, respectively.

This triangular meet was the last meet of a very successful season for Armour.

Captain-elect Nelson was the season's leading scorer with Roberts running a close second and Capt. Sademan a close third.

The cooperation of the tracksters with Coach Alonzo A. Stagg, Jr., brought the Armour trackmen to the end of one of the most successful seasons in her history. Coach Stagg has given to Armour one thing she will never forget and will always keep; the experience, advice, and grit of a man who knows what he is doing and knows when to do it.

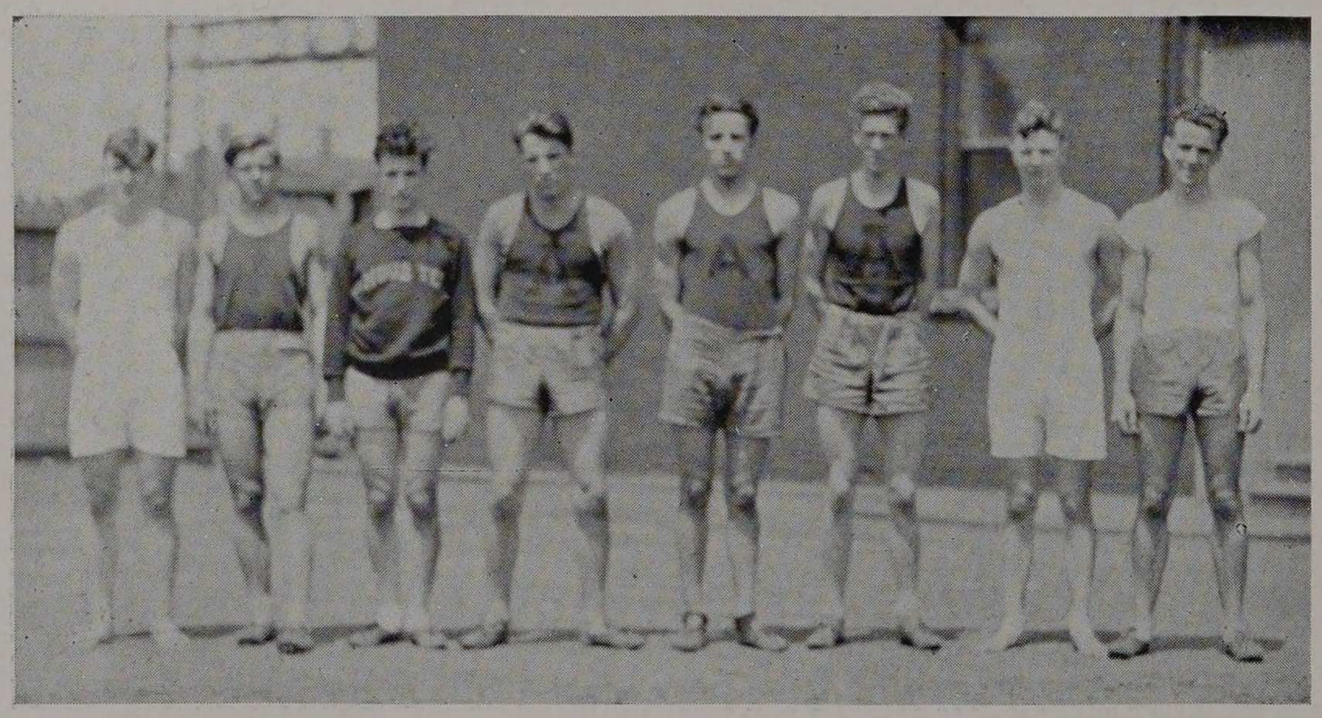


ROBERT JONES

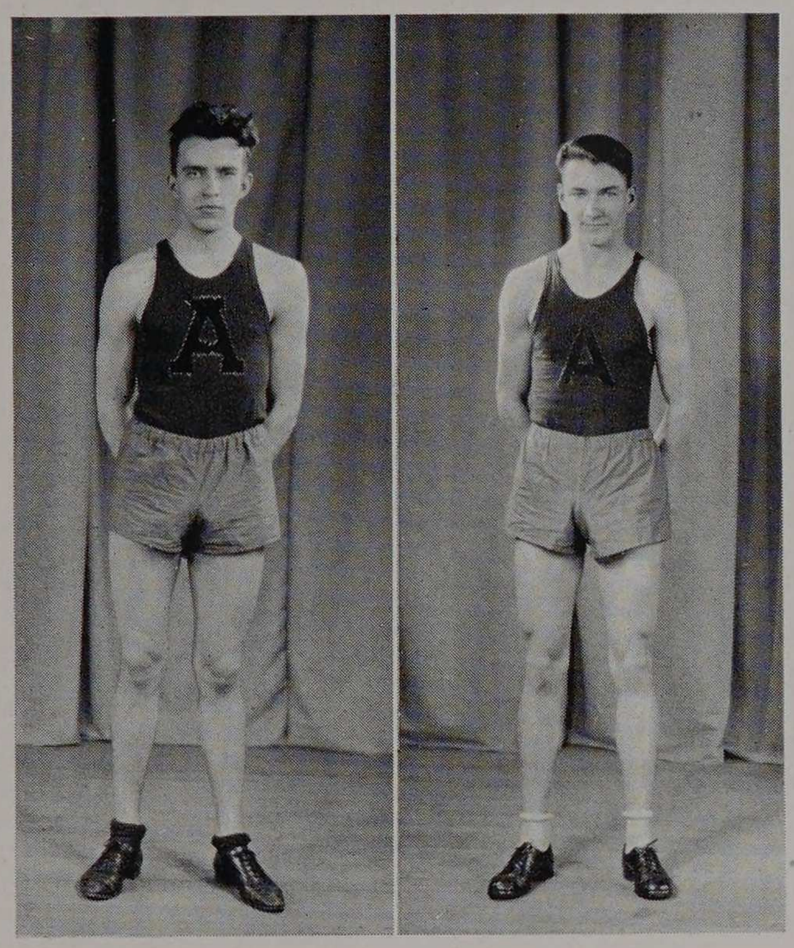
Jones's fine work and excellent co-operation in the various meets did much to put Armour near the top of the Middle West Conference list. His most exceptional work was in the one and two mile events. Although he did not score as many points as other members of the team he was always right there fighting hard.

JOHN ROBERTS

Johnny Roberts put in his second fine year as Armour's leading all around star. This year, however, he was handicapped by an appendicitis attack but he was still a high scorer. He possesses more natural track ability than any one else on the team.



The Pentathlon Entrants



ALEXANDER KULPAK

Kulpak was a valuable man in the high jumping events. He worked hard in this capacity which is proven by his record. Kulpak could be depended on when Armour needed a few extra points. His excellent cooperation with the several other high jumpers was always great.

DONALD NEAL

Neal did exceptionally good work for the team as a dash man and a relay man. His fine cooperation with the relay team won many a point for Armour although his best work was in the dashes. Neal will be with us again next year working hard as usual.

1933 TRACK STANDINGS

Name	*Indoor*	*Outdoor*	*Total*
Nelson	100 5/6	64¾	165 7/12
Roberts	90½	26	116½
Sademan	68¼	35¾	104
Bejeck	32 5/6	24½	57 1/3
Callen	35	17	52
Oberbeck	34½	17	51½
Frateschi	27½	16	43½
Concolino	22¾	18	40¾
Kulpak	26 1/3	9	35 1/3
Hanson	10	12	22
Pattison	3	15¾	18¾
Fleissner	11½	6	17½
E. Cordes	8	9	17
Neal	7½	8¾	16¼
Rosen	6	9	15
Kruezkamp	12	2	14
H. Cordes	2	9	11
Jones	6	3	9
Kenner	2¾	6	8¾
Manly	3	4	7
Heller	5½	0	5½
Williams	1	4	5
Vondrak	2	1	3
Fleig	2	1	3
Cooper	2½	0	2½
Carlstrom	1	1	2
Pflum	0	2	2
Kohn	1¼	0	1¼
McBrady	2	0	2



Nelson Leads in the Highs

BASKETBALL, 1933-34

William C. Krafft . . . . . Coach
Raymond J. Pflum . . . . . Captain
Harold W. Davidson . . . . . Manager
John F. Humiston . . . . . Assistant Manager

Coach Krafft resumed charge of Armour's basketball team after a year's absence due to illness and the result was a very pleasing team to watch and a better than average record.

There were fifty basketball men who answered the first call for practice in November. Ten of these men had been on the squad before and seven of these were major letter winners. The team was also bolstered by the return of Christoph, leading scorer of the 1932 team, who had been out of school a year.

The first few weeks of practice were spent in rehearsing fundamentals and attaining peak condition. Certain basic plays were worked out and a new rotating type of offense was developed.

Armour's first scheduled game was with George Williams College on December 6th. This game turned into a walk-away for the Armour lads. The final score was 50 to 35. Heike started his Armour sport career with an ominous total of 13 points.

The following Saturday, December 9th, the Armour team invaded the home court of the Chicago Maroons and came away with a well earned 27 to 22 triumph. Again Heike was the leading



WILLIAM KRAFFT

"Bill" Krafft returned as basketball coach after a year's absence to find a bunch of star players all set to do great things. They faced a hard schedule and he had a big job on his hands to get them to co-operate smoothly and work together. He accomplished both of these things by diligent effort and built up a great team.

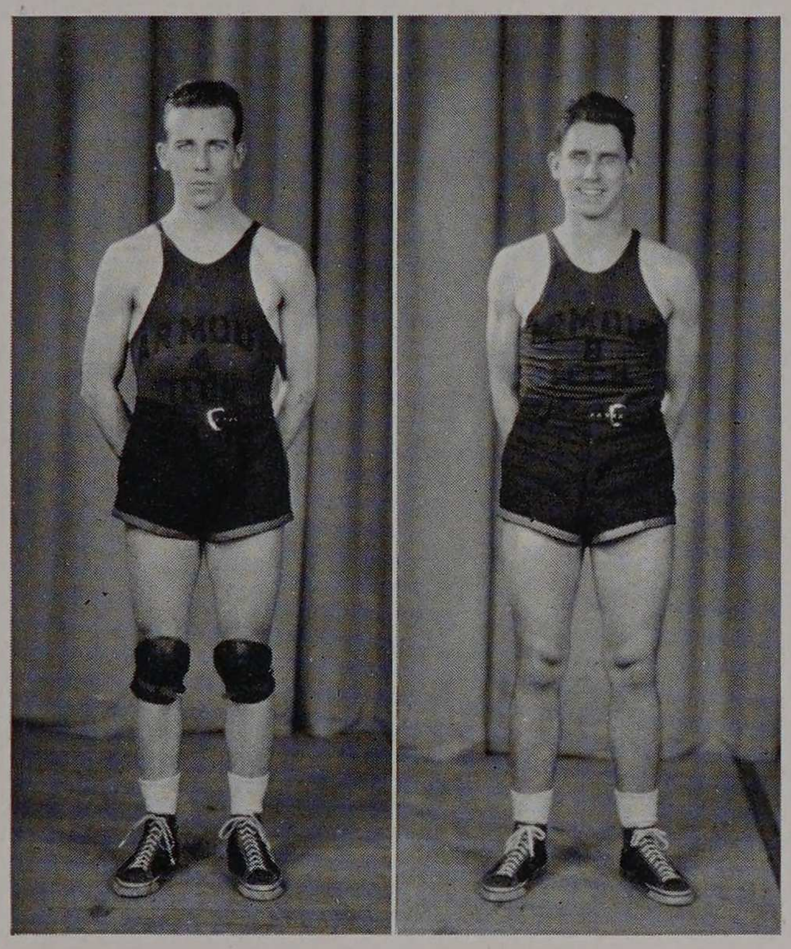
HAROLD DAVIDSON

Davidson made up one of the hardest schedules an Armour team has faced in years but he did not overmatch them in any way. He discharged his other managerial duties in an efficient manner and helped to keep things running smoothly and efficiently.



The 1934 Basketball Squad

Levy, Doane, Heike, Merz, Lauchiskis, Hagenauer, Dollenmaier, Humiston
Davidson, Rummel, Lukas, Pflum, Christoph, Warner, Krafft



RAYMOND PFLUM

Captain Ray Pflum is the greatest basketball player in Armour's history. He was the backbone of the whole team and as Captain he displayed sparkling leadership. He was out of several games due to injuries, yet he nearly led the team in scoring. His loss by graduation will be great.

MICHAEL LUKAS

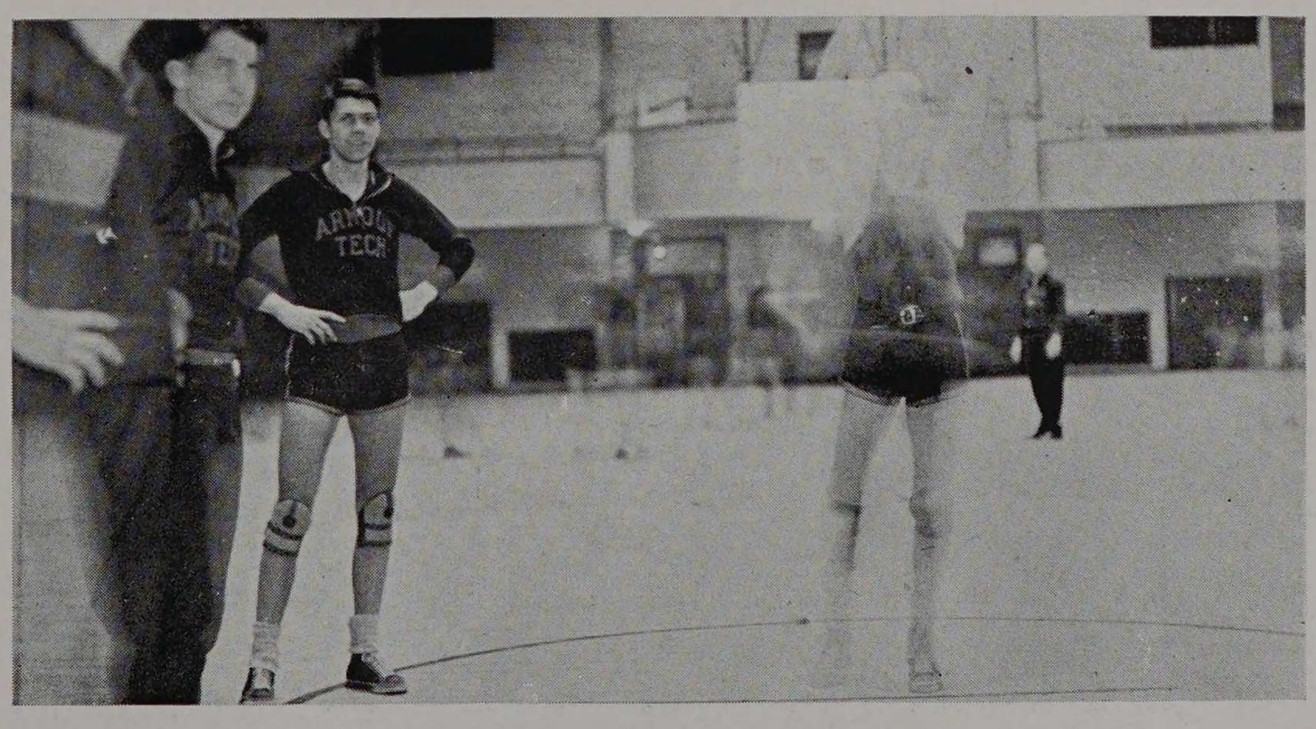
"Mickey" Lukas is another senior whose loss will be sorely felt. Although not a brilliant player his presence as guard was always a steadying influence on the team. He played on the team for three years so knew very well Coach Krafft's system of play.

scorer with a total of 10 points, but Captain Pflum was the real star of the game. Playing under the handicap of a badly injured shoulder he repeatedly broke up the Maroon offense and then fed the ball to Christoph, Dollenmaier and Heike for set-up shots.

Armour lost their first game of the season to North Central at Naperville on December 13th. North Central took the lead early in the game and was never headed although Armour was only two points behind with two minutes to go but a final North Central rally won the game for them. Armour's defeat can be put directly on free throw shooting. They only converted two out of fifteen chances at the free throw line.

Tuesday, December 19th, was the day the old time stars of Armour came back and very nearly gave the present Armour team a trouncing. The Alumni, led by Rossing, were beaten only after a very hectic struggle with the score 30 to 29. Pflum and Warner were Armour's leading scorers.

The following day Armour trounced a diminutive Chicago Normal five 43 to 28. The small Chicago Normal men could not cope with the height of such men as Heike, and Lauchiskis; and Armour was easily returned the victor. January 5th proved a disappointing day to the Armour team and its supporters. They encountered the highly touted North Central team on our home



Pflum Sinks a Free Throw

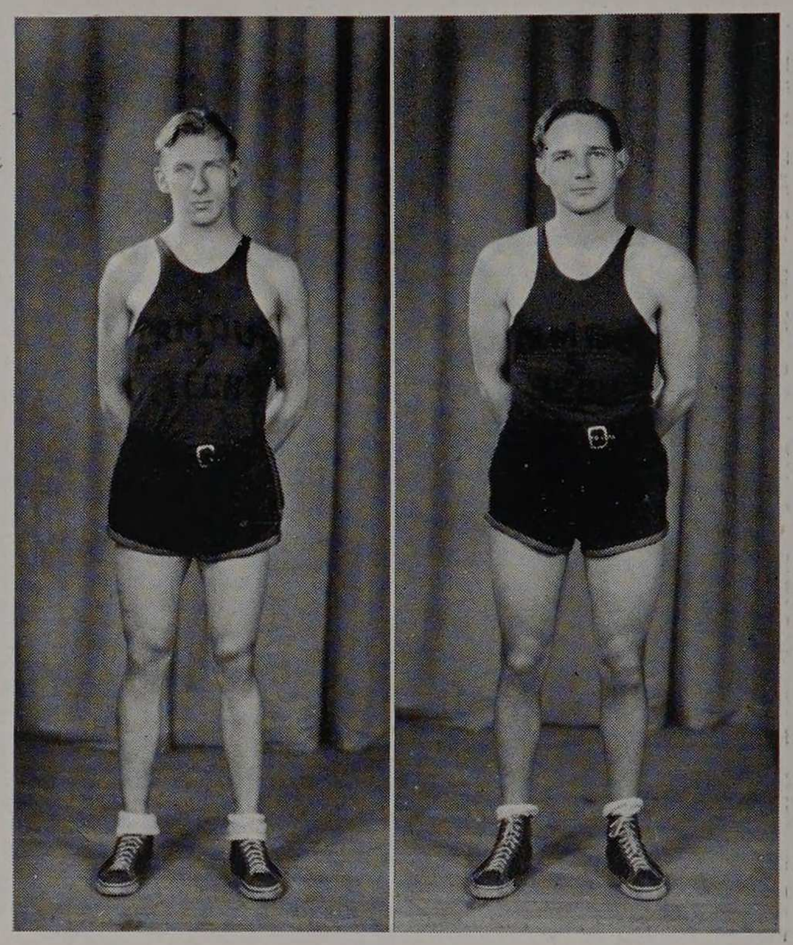
court and turned in a very poor performance. North Central won by a score of 40 to 24. The Armour offense and defense were far too sluggish to stop the fast moving boys from Naperville.

The Armour quintet lost a hard fought game to the strong DePaul team on January 9th by a score of 43 to 35. The DePaul offense was built around Barskis, giant center, who scored 17 points. Armour was led by Warner, who scored 12 points on offense, and by Captain Pflum, who played a very brilliant floor game.

Playing their poorest game of the season, the Techawk five was decisively beaten by a score of 43 to 29 at Augustana, Saturday, January 13th. The Rock Island quintet, through the able facilities of Schroeder, forward and high point man of the game with 16 points, plus the help of Mead, 6 foot 9 inch center who made 5 baskets, jumped into a lead which was never overcome. Armour rallied in the last half but to no avail.

Armour travelled out to Wheaton on January 18th and lost a bitterly fought game 44 to 40. The Techawks were three points ahead with two minutes to go but lost anyway. Lawrence of Wheaton made 17 points while Heike and Pflum made 12 and 11 points respectively. These two men carried the whole attack and Pflum was especially brilliant.

Lauchiskis with 15 points and Heike with 11

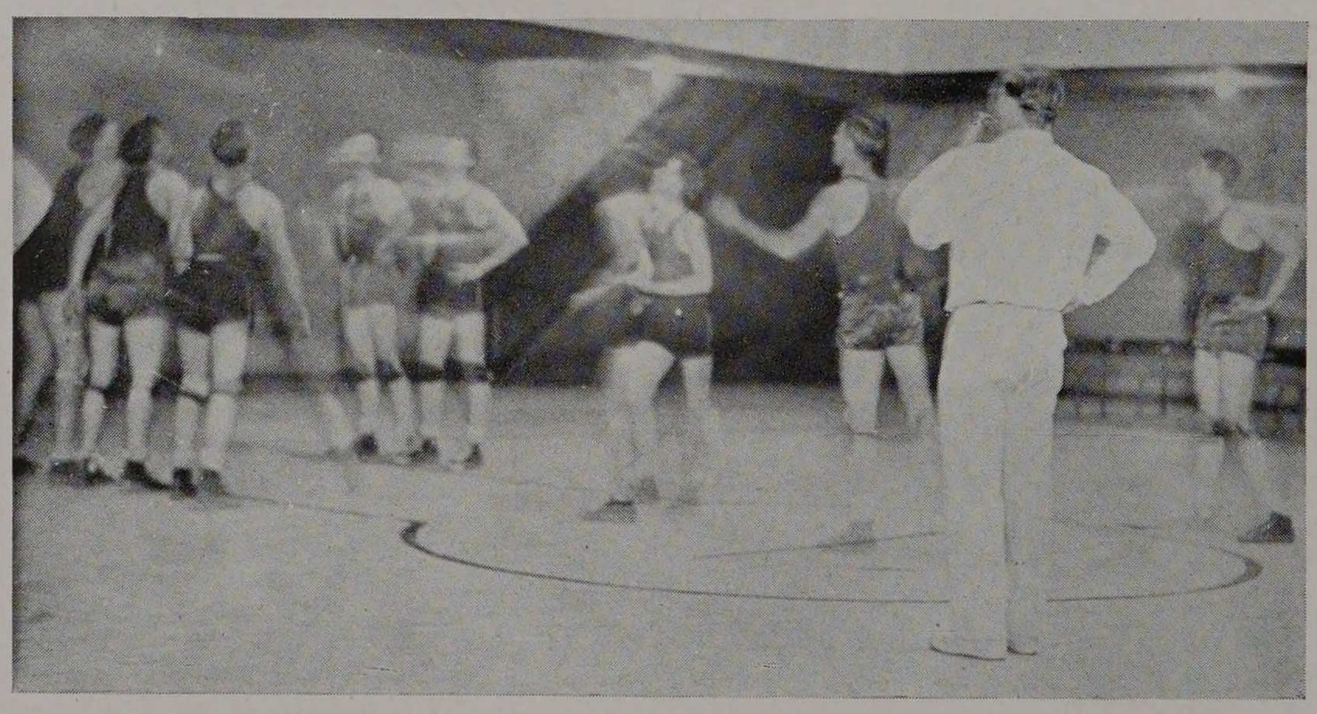


ALBERT C. CHRISTOPH

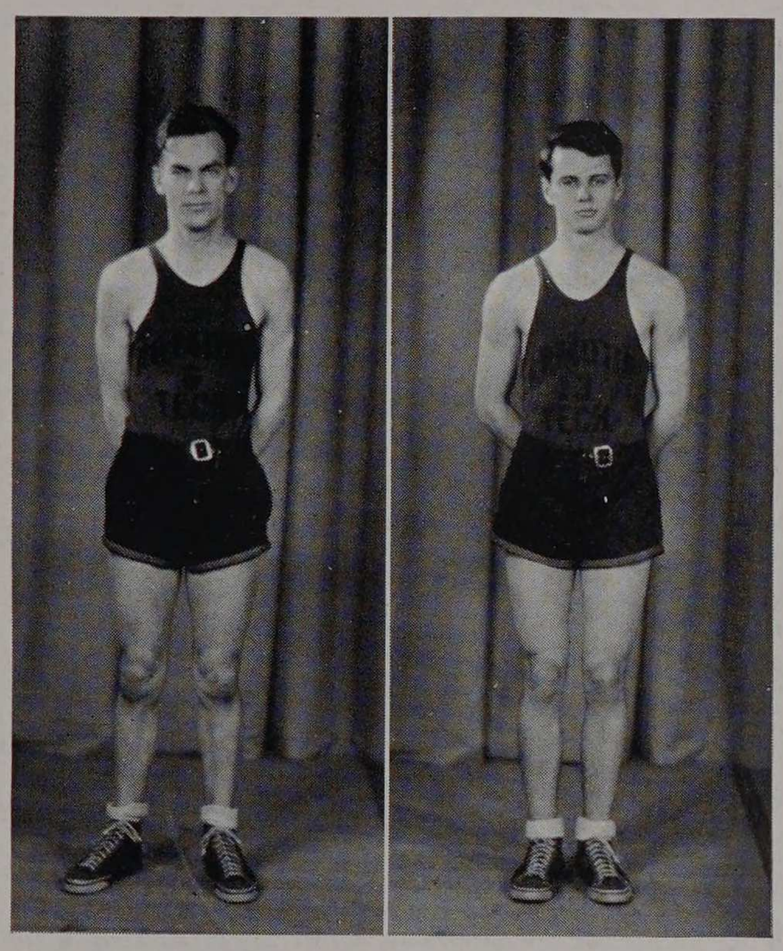
Christoph returned to school after leading the team in scoring two years ago and again became a regular forward and a high scorer. His best shot was an overhand, two-handed throw after a three-foot leap, which reminds one of a kangaroo jump. He is a real ball hawk.

LEONARD RUMMEL

"Lenny" Rummel is the third senior guard to be lost by graduation. He played more or less irregularly for three years but never quite became the star he should have been. He was a good defensive player but was not a very accurate shot.



Another Free Throw Goes in



RAYMOND WARNER

"Pop" Warner played guard for the second year in a row. He teamed very well with Pflum because of their previous play together. Although he was really a back guard he managed to garner his share of points by making many long baskets.

HARRY DOLLENMAIER

"Dolly" alternated at guard and forward with Warner and Christoph but was nearly always in the game. He is an exceptionally good defensive player and has a very good step-in shot which he used to fine advantage. He is a very consistent scorer.

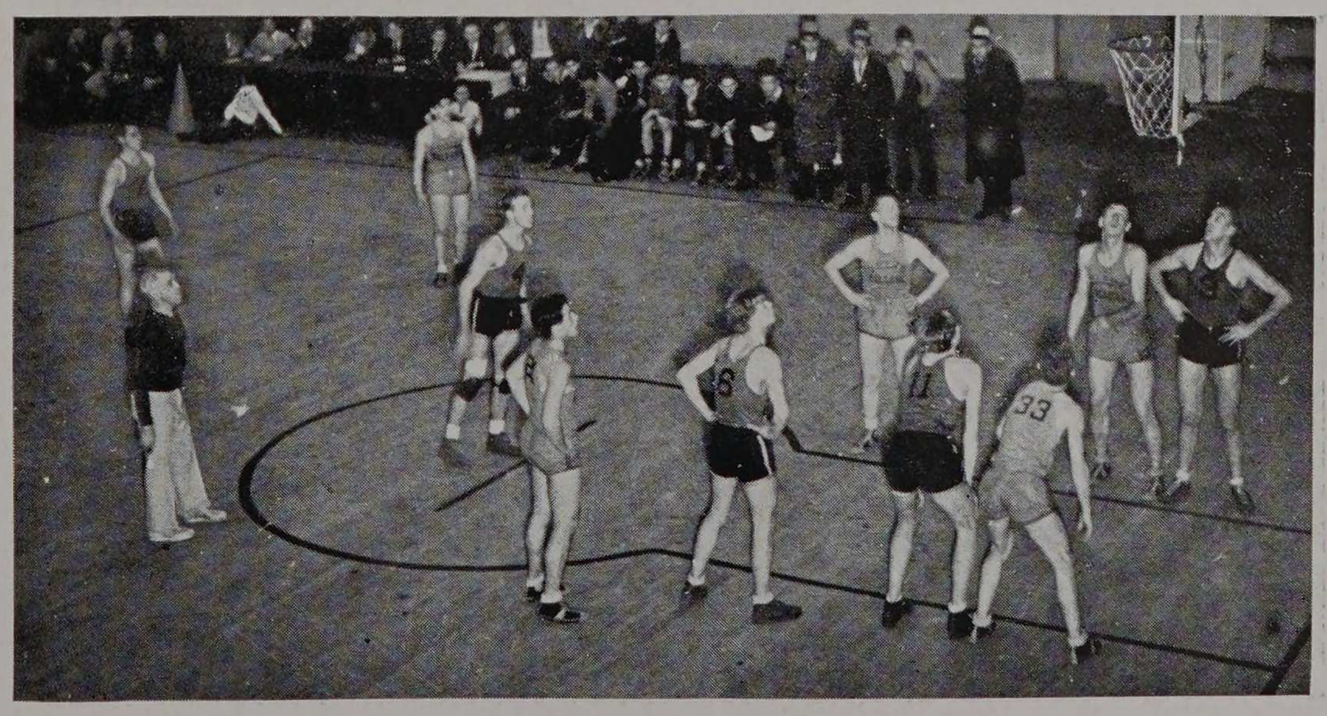
points led Armour to a 39 to 34 victory over George Williams, January 20th. Armour led 21 to 9 at the half but loosened up in the next period and nearly lost their lead. However, they recovered their equilibrium in time to win.

On January 26th, Armour played host to Michigan State Normal but forgot their manners long enough to eke out a 35 to 31 victory. This was a close fought game with every man doing his part and turning in his share of points.

On February 3rd, Armour played Wayne University at Detroit. Despite the fact that they played their best game of the year they lost 33 to 31. The lead changed hands several times in the second half. Maiers of Wayne contributed 11 points to his team's total.

Two nights later Armour encountered Michigan State Normal at Ypsilanti and lost again, this time 32 to 23. Armour's play was very listless and only three men broke into the scoring column. Pflum made 11 points to lead the scoring.

Armour turned the tables on Wheaton by beating them on our floor 44 to 32 after losing at Wheaton. This was a very rough game as 33 fouls were called, 20 of which were on the Hawks. Lauchiskis of Armour made 13 points while Lawrence of Wheaton made 12. Captain Pflum turned in a superlative defensive game as he alone can do.



Pflum Sinks a Basket

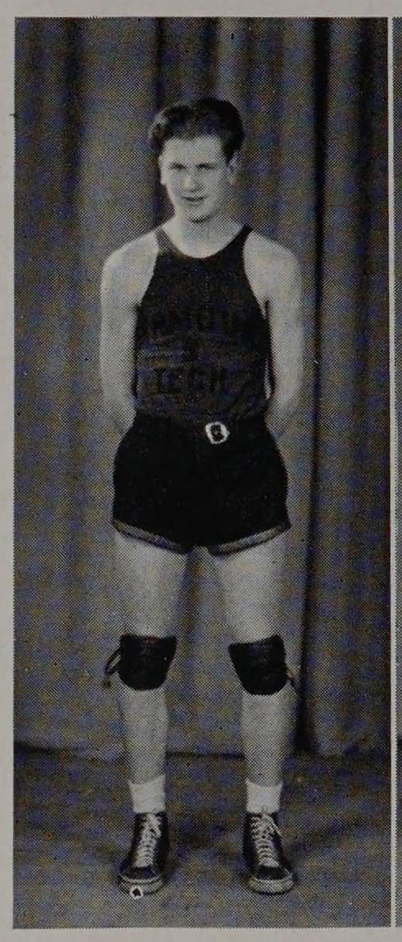
On February 15th, the Armour team really got going. Wayne University was the team to suffer. Armour won 36 to 15 in a game in which every man on the squad played and made a good showing.

The next game was the one to which the team had been looking forward to for weeks, that with DePaul, who boasted a string of 12 consecutive wins. The result was the hardest fought game of the year in which DePaul was returned victorious in an overtime battle, 43 to 41. Captain Pflum led the Armour team and played the greatest game an Armour man has played in the last five years. He not only scored 16 points to lead both teams in scoring but continually broke up plays all over the court.

The last game of the year was that with Augustana on February 23rd in which the boys avenged a previous defeat by winning 41 to 31. Captain Pflum wound up his career in a blaze of glory by playing another fine game.

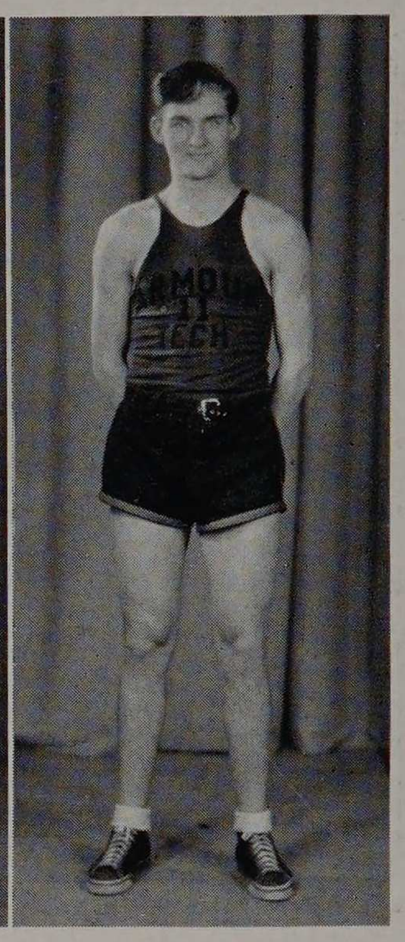
Armour loses only Pflum, Lukas, and Rummel of this year's team but their loss will be sorely felt. Captain Pflum is one of the best players in the Middle West and his inspiring play carried the team through many times where otherwise they might have failed.

Next year's team will be built around Captain-Elect Lauchiskis, Heike, who led the team in scor-



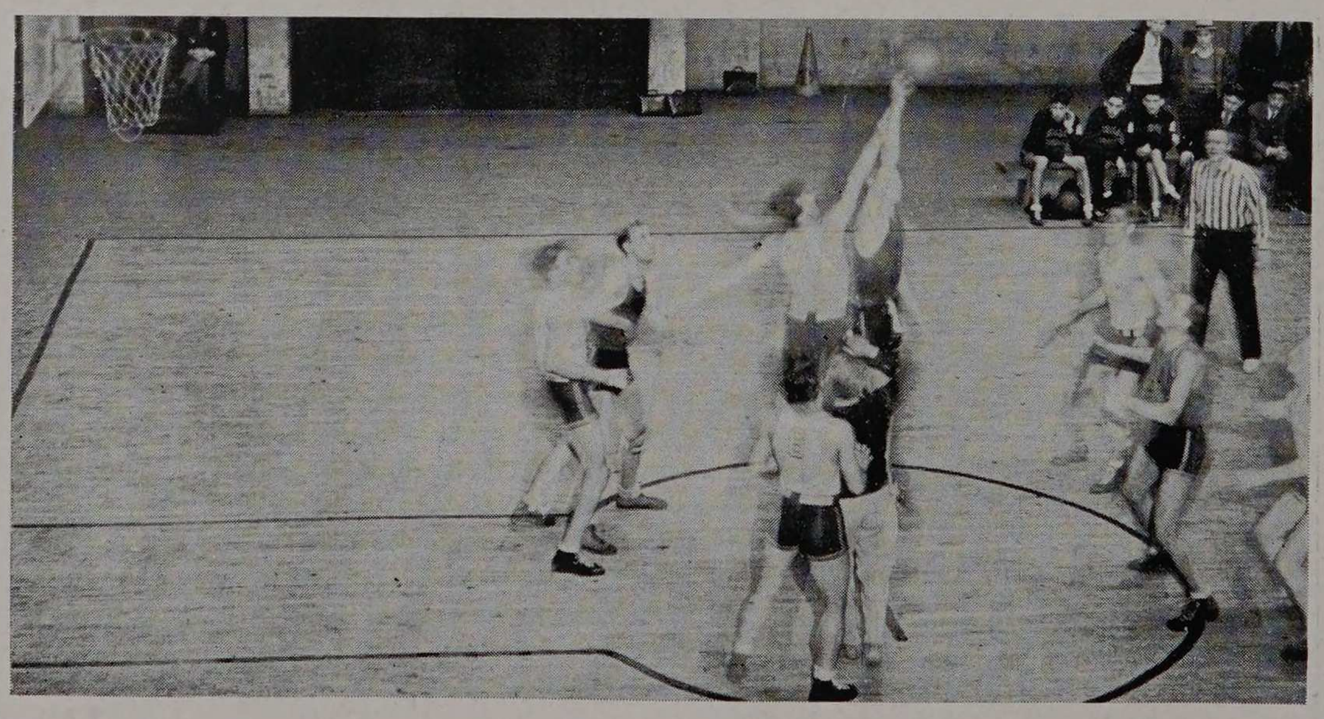
EUGENE HEIKE

"Gene" Heike, a freshman, turned out to be just as fine a basketball player as everyone said he was. He led the team in scoring despite the fact that he was a freshman. His specialty was a one-hand leaping shot from either side or in front of the basket.

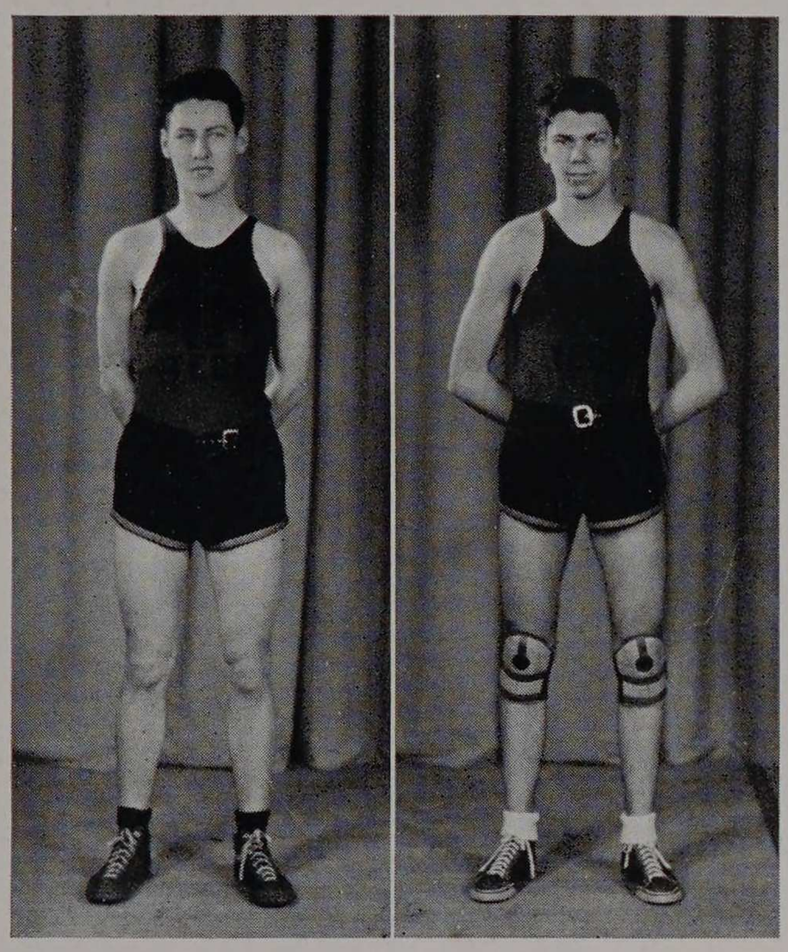


ALBERT LAUCHISKIS

"Al" got away to a poor start this year in an effort to retain the scoring honors he won the year before but he really got "hot" toward the end of the year and finished third to Heike and Pflum. This tall likeable center was elected Captain of the 1934-35 team.



A Tip-Off



ing though only a Freshman, Christoph, Dollenmaier, Warner, and Merz. They should form a fine nucleus for another good team.

BASKETBALL SCHEDULE 1933-1934

December 6—Armour 50, George Williams 35, at Armour.
December 9—Armour 27, University of Chicago 22, at Chicago.
December 13—Armour 26, North Central 32, at Naperville.
December 19—Armour 30, Alumni 29, at Armour.
December 20—Armour 43, Chicago Normal 28, at Armour.
January 5—Armour 24, North Central 40, at Armour.
January 9—Armour 35, DePaul 43, at DePaul.
January 13—Armour 29, Augustana 43, at Rock Island.
January 18—Armour 40, Wheaton 44, at Wheaton.
January 20—Armour 39, George Williams 34, at George Williams.
January 26—Armour 35, Michigan State Normal 31, at Armour.
February 3—Armour 31, Wayne University 33, at Detroit.
February 5—Armour 23, Michigan State Normal 32, at Ypsilanti.
February 8—Armour 44, Wheaton 32, at Armour.
February 15—Armour 36, Wayne University 15, at Armour.
February 21—Armour 41, DePaul 43, at Armour.
February 23—Armour 41, Augustana 31, at Armour.

SUMMARY

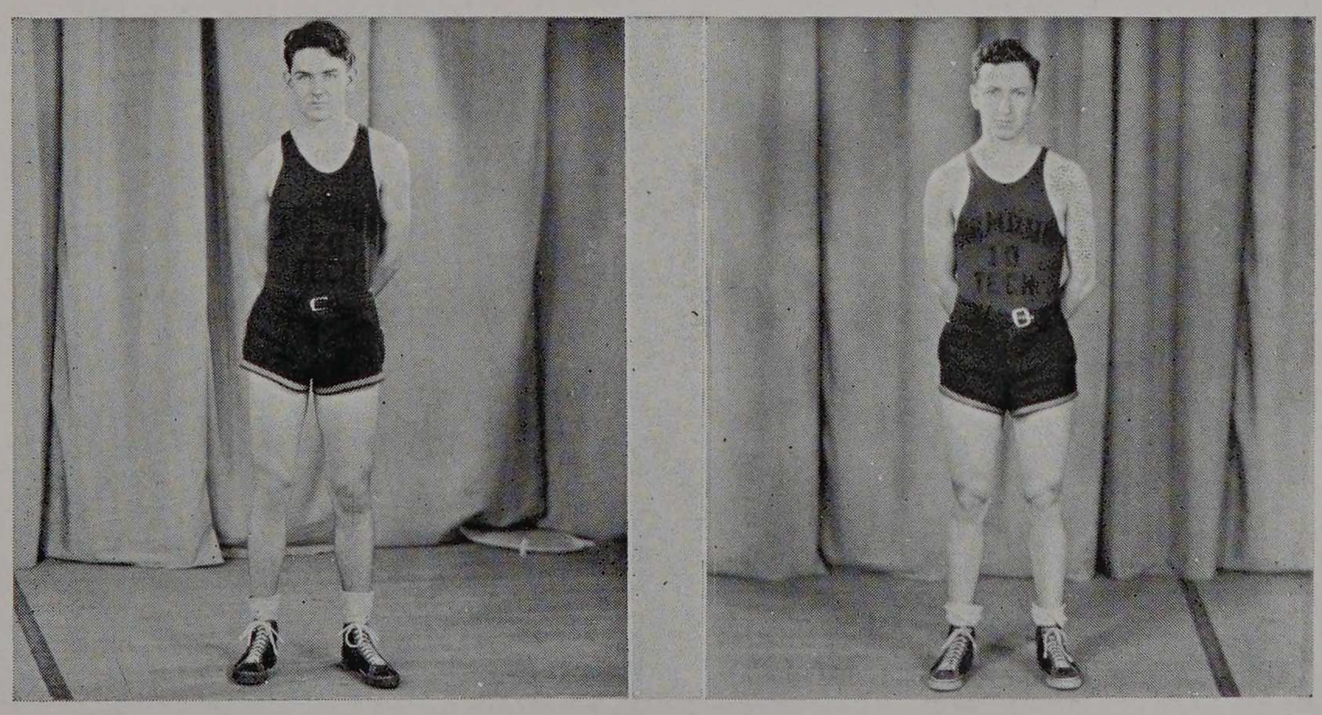
Won—9 Armour—594 points
Lost—8 Opponents—567 points

GEORGE HAGENAUER

George played on the second team for the second year in a row. He improved steadily and should be able to break through next year. His weakness seems to be slowness of foot and in lack of experience. Another year should find him ready for big things.

ROBERT MERZ

Bob Merz, another freshman and Heike's bosom pal, was one of the tallest men on the team. He did not play regularly but gained some needed experience by getting into nearly every game. He should make a lot of points in his next three years.



Doane and Two of the Substitutes

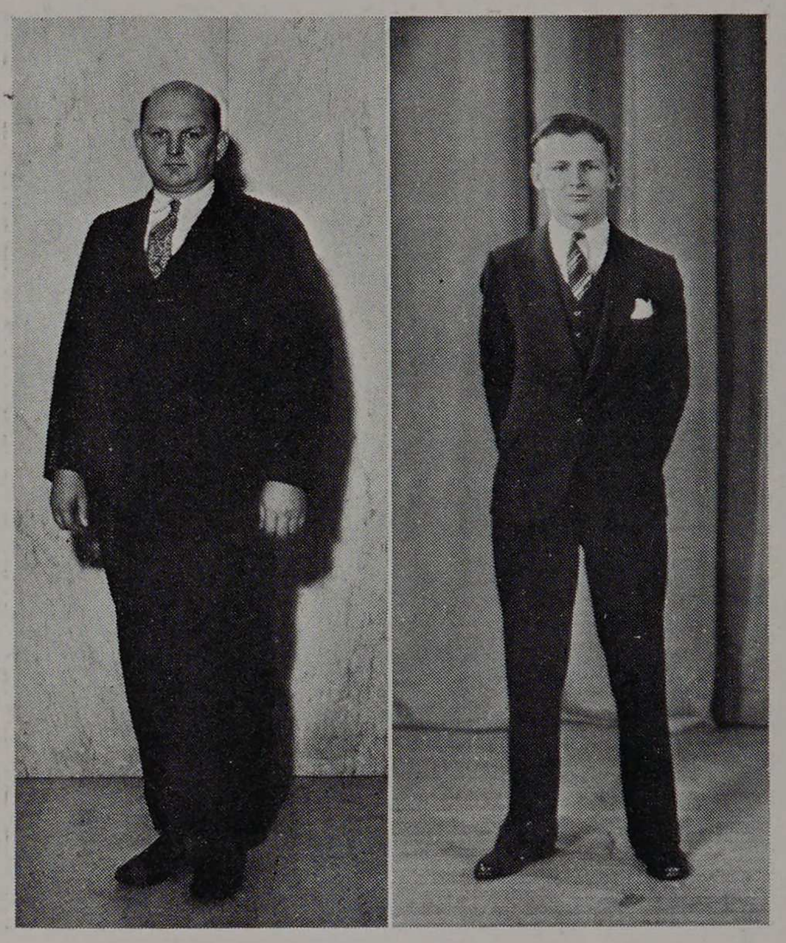
SWIMMING, 1934

E. Wallace McGillivray . . . . . Coach
Irving C. Kolve . . . . . Captain
Robert W. Suman . . . . . Manager

The swimming team, under the able tutoring of Coach McGillivray and the splendid leadership of Irv. Kolve, continued the fine work which it had started the previous year. The schedule is constantly adding new teams from bigger schools so that the record is not as impressive as it might be but the team as a whole always gives a good account of itself. The swimmers won three meets and lost four this year.

The Tech swimming season began with an overwhelming victory over George Williams College on January 25th. The Tech men won seven out of eight possible first places and also won most of the second places. Knaus, Ahern, Burson, Bernstein, and Reed were the first place winners for Armour, while Captain Kolve, Moore, a freshman, Davison, and Luce were the second place winners. Both the 160 yard relay teams won their events very easily.

The Armour swimmers lost to the Northwestern "B" team by a score of 43 to 32 on February 8th. Northwestern splashed their way into the lead by

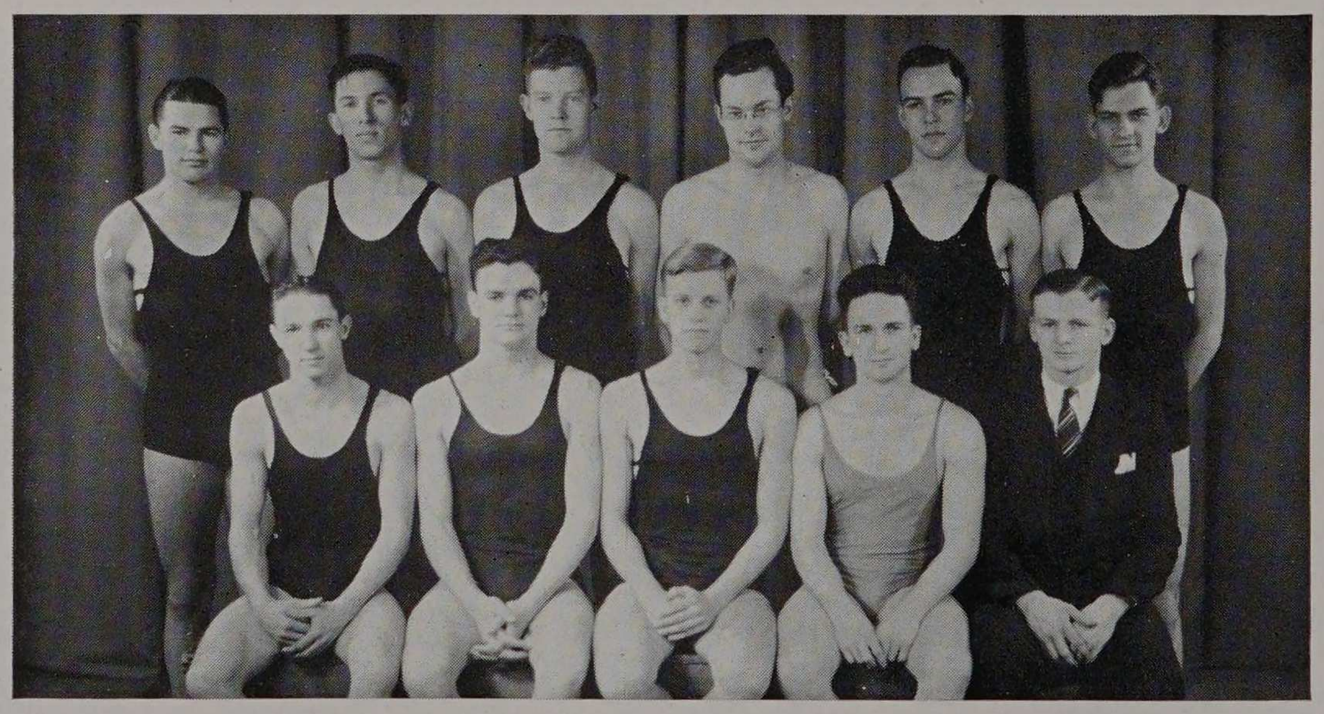


COACH MCGILLIVRAY

Coach Wallace McGillivray continued his fine work with the Armour swimmers and kept Armour's newest major sport team up with the best of the West. He has developed numerous stars in his many years as coach and bids fair to keep on doing so for many more years.

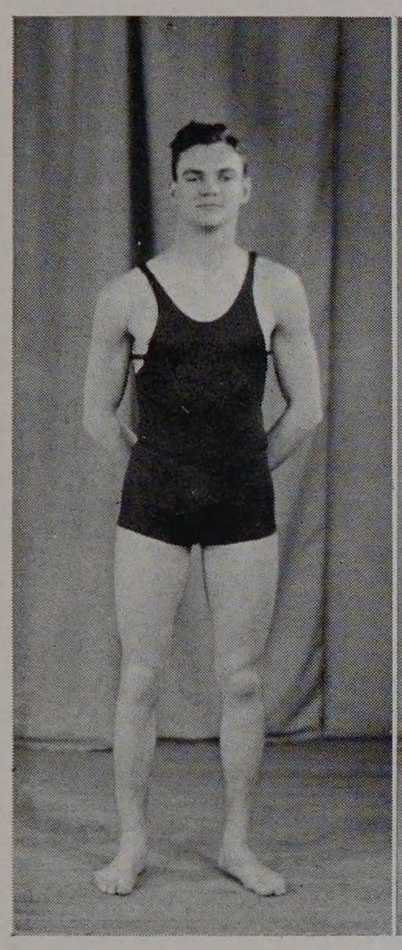
MANAGER ROBERT SUMAN

Suman did not draw up quite as difficult a schedule as he might have but what he did have furnished good competition. Seven meets against some of the best teams in the Chicago area were registered.



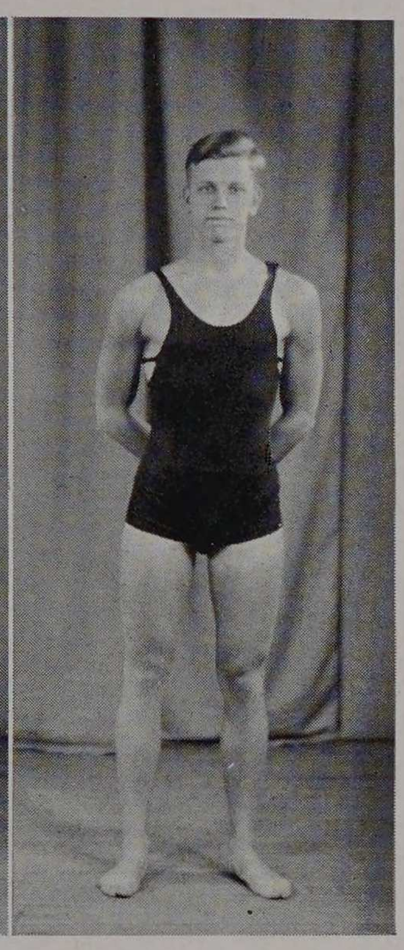
Moore, Bernstein, Luce, Burson, Knaus, Davison
Reed, Ahern, Kolve, Tallafuss, Suman

The 1934 Swimming Squad



JOHN J. AHERN

Johnny Ahern again starred as a member of both of the 160 yard relay teams. He turned in some exceptionally fine performances as anchor man on the medley relay team where he swam free style. He also made many points in both the 40 yard and the 100 yard relay events. Because of his fine swimming and likeable personality he was elected captain of next year's team.



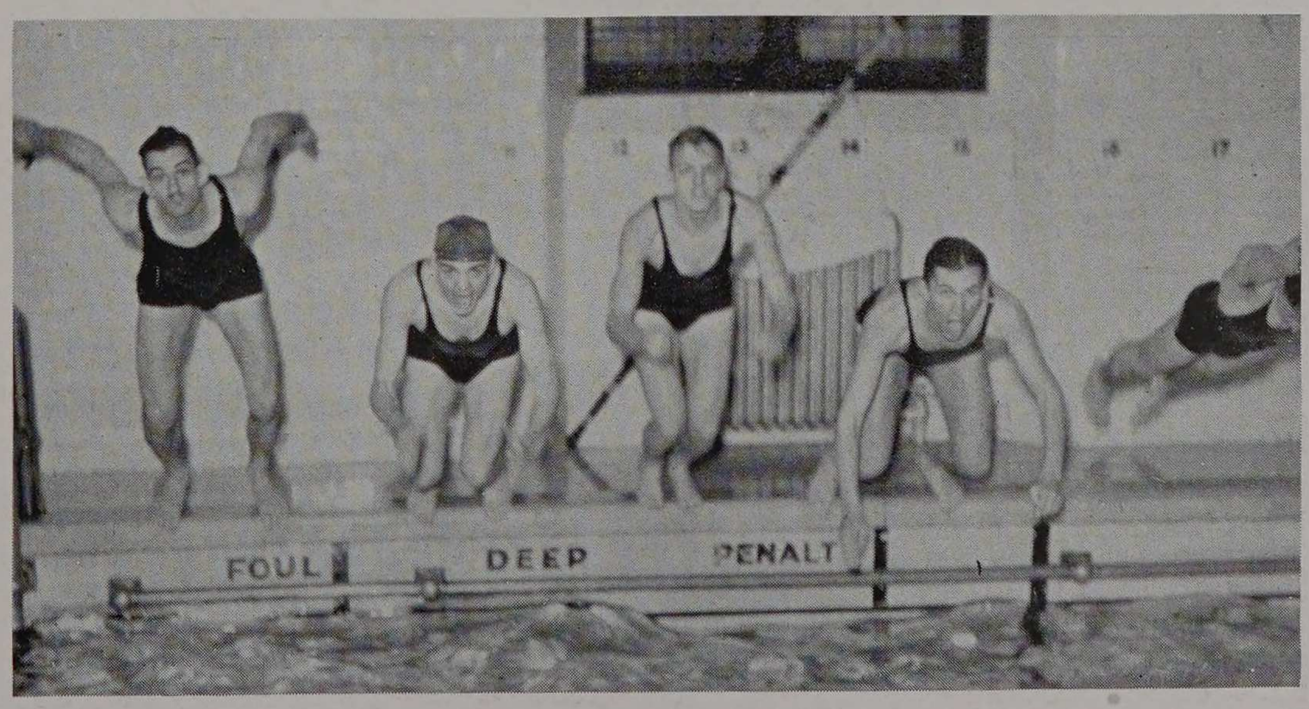
CAPTAIN IRVING KOLVE

Kolve did not pile up as many points as he has in any of his three previous years as a star performer but he was still the ranking diver of the team. He also scored many points in the backstroke events, another of his specialties.

taking the first event, the 160 yard relay, a second in the breast stroke, and first in the next three events. To insure their lead they captured a first in diving and the 100 yard free style. Armour captured a first in the breast stroke when Knaus swam into an early lead and managed to keep it. Kolve got a third in this event. For the remainder of the meet with the exception of the 160 yard medley relay, the Purple garnered the firsts and Armour had to be content with seconds and thirds. Bernstein, Knaus, and Ahern composed the winning combination that won the final event, the 160 yard medley relay.

Armour met another strong team when they lost to Loyola at Bartlett Pool on February 16th by a score of 50½ to 24½. The three Loyola stars, Ertz, Elwell, and Brydenthal broke four of the Armour Tech records in the five individual events they won. The best Armour individual performance was by Knaus in the 100 yard breast stroke in which both he and Brydenthal, the winner, broke the Armour record for the distance. The 180 yard medley relay team composed of Bernstein, Knaus, and Burson managed to tie the Loyola team to get Armour's only first place points. Burson and Kolve got seconds in the 220 yard free style and diving events respectively for the next best performances.

Armour's natators next staged a home and home



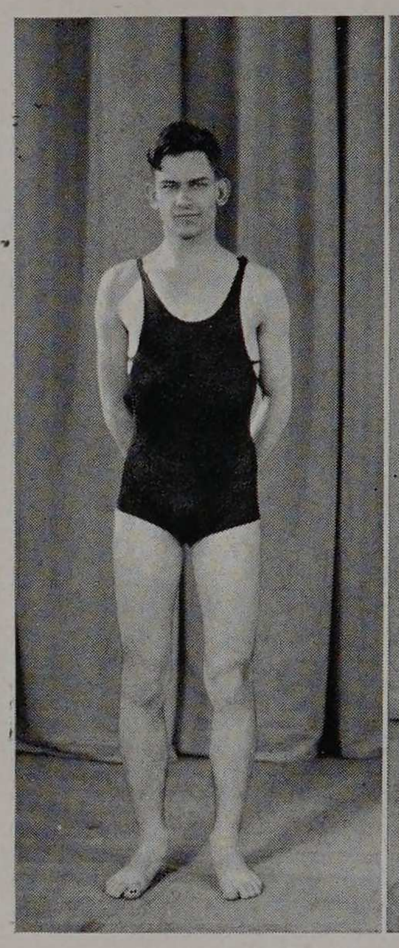
The Start of a Practice Race

series with Morton Junior College. The first of the two meets was on February 23rd and Armour swept all but one event to win 58 to 17. Knaus, Davison, Bernstein, and Kolve won their respective specialties with yards to spare. The relay team, composed of Moore, Reed, Giovan, and Ahern and the one made up of Bernstein, Knaus, and Moore, were easy winners of their events also.

Morton was again met at the home pool on March 5th, and this time they won every point it was possible to make by winning all the firsts and seconds. The score was 62 to 13. Moore led the scoring with two victories while Knaus, Davison, Bernstein, and Reed also flashed across the victory mark first. The same two relay teams again won to contribute their share to the victory.

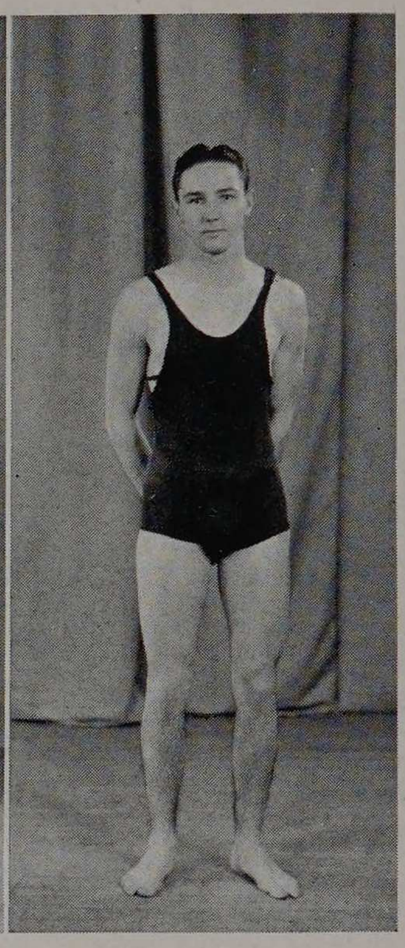
The fine Loyola team again conquered the Armour splashers on March 15th, when they swept all but one event to win 53 to 27. However, the races were all closely contested and the Tech swimmers were in there fighting hard for points. The Armour relay team saved the meet from being a complete loss by winning in the fine time of 1:36.2 seconds. Knaus, Davison, Bernstein, and Ahern all turned in good performances and each managed to get at least one second place.

The last meet of the season was with Northwestern "B" and resulted in defeat 47 to 28. Although the score was rather one-sided every event



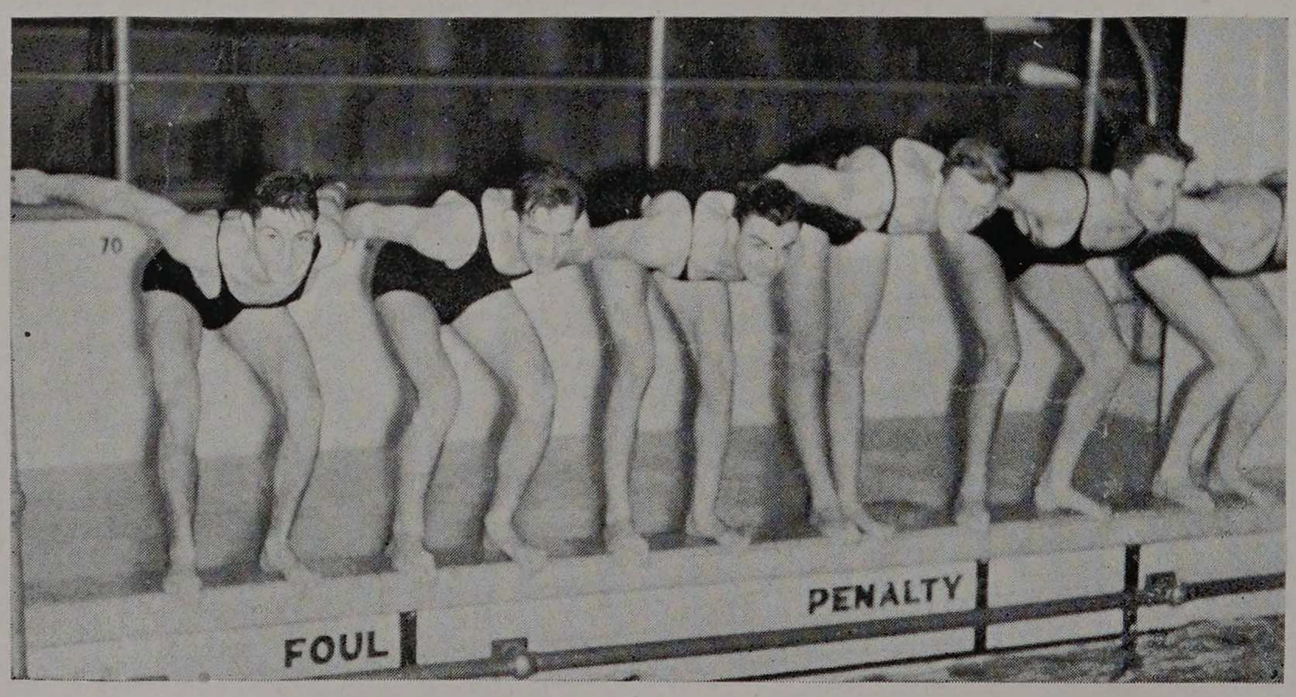
STEPHEN DAVISON

Steve Davison was a senior competing for the last time in Armour colors. He showed better form than he had ever done before and won a regular place on the team. He swam in the 220 yard free style event and also on the 160 yard relay team.

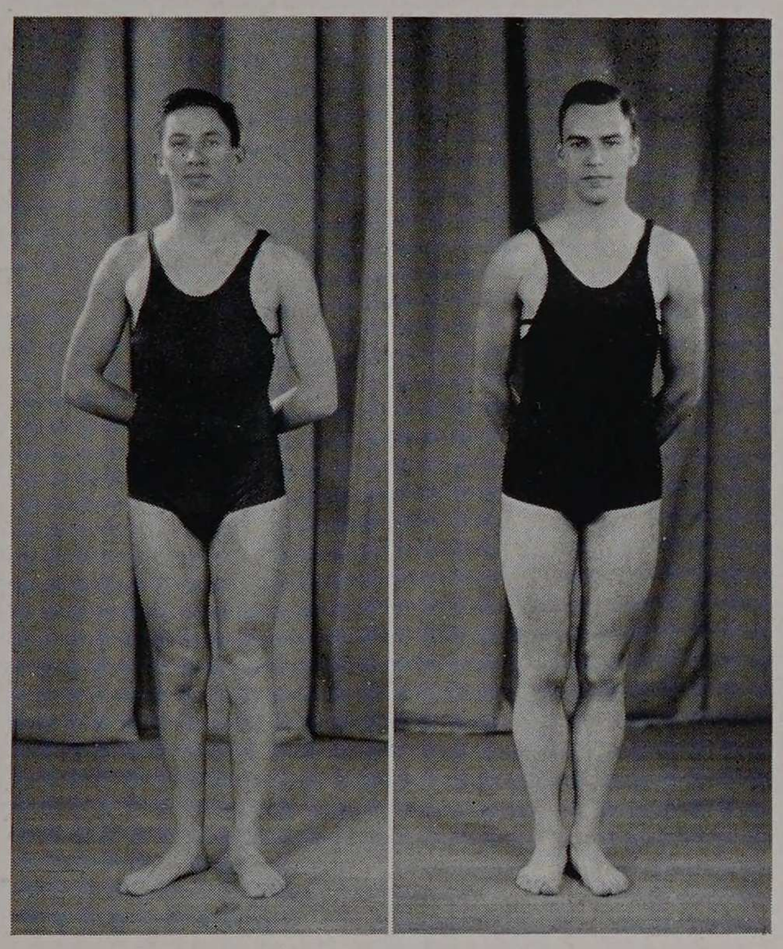


GEORGE REED

George Reed, slightly built senior diver and free style expert, had one of the best records of any man on the team. This all-round athlete kept the boys on their toes by a great display of pep and enthusiasm. him on three occasions. He forced Kolve to the limit in diving events several times and beat him on three occasions.



Line-Up For a Race



STANLEY BERNSTEIN

Stan was again the best back-stroker on the team and won or placed second in every meet. He is a very consistent swimmer and swims very close to the same time nearly every time. He was the third member of the star medley relay team, the most consistent winners of the team.

RODGER KNAUS

Rodge Knause again turned in many fine performances in the breast stroke events. He won his specialty in every meet except the two Loyola meets and here it took a super-star to beat him. He also was a star on the medley relay team. He was scheduled to appear in the Cook County meet late in April.

was closely contested by a fighting Armour team. As in the first meeting between the two schools, Armour was only able to win two events, but the Techawks took their share of seconds and thirds. Northwestern met their superiors in the form of Knaus, who displayed his usually good ability to win the breast stroke, and in Reed, who won the diving by displaying his best form of the year. Moore and Bernstein also turned in good performances to place second in the 40 yard free style and 100 yard back-stroke races respectively.

The swimming team will suffer greatly from graduation when they lose such good swimmers as Captain Kolve, Reed, Davison, Burson, and Giovan. Prospects for another fine team, however, are good as such stars as Ahern, Knaus, Bernstein, and Moore will return to do their best.

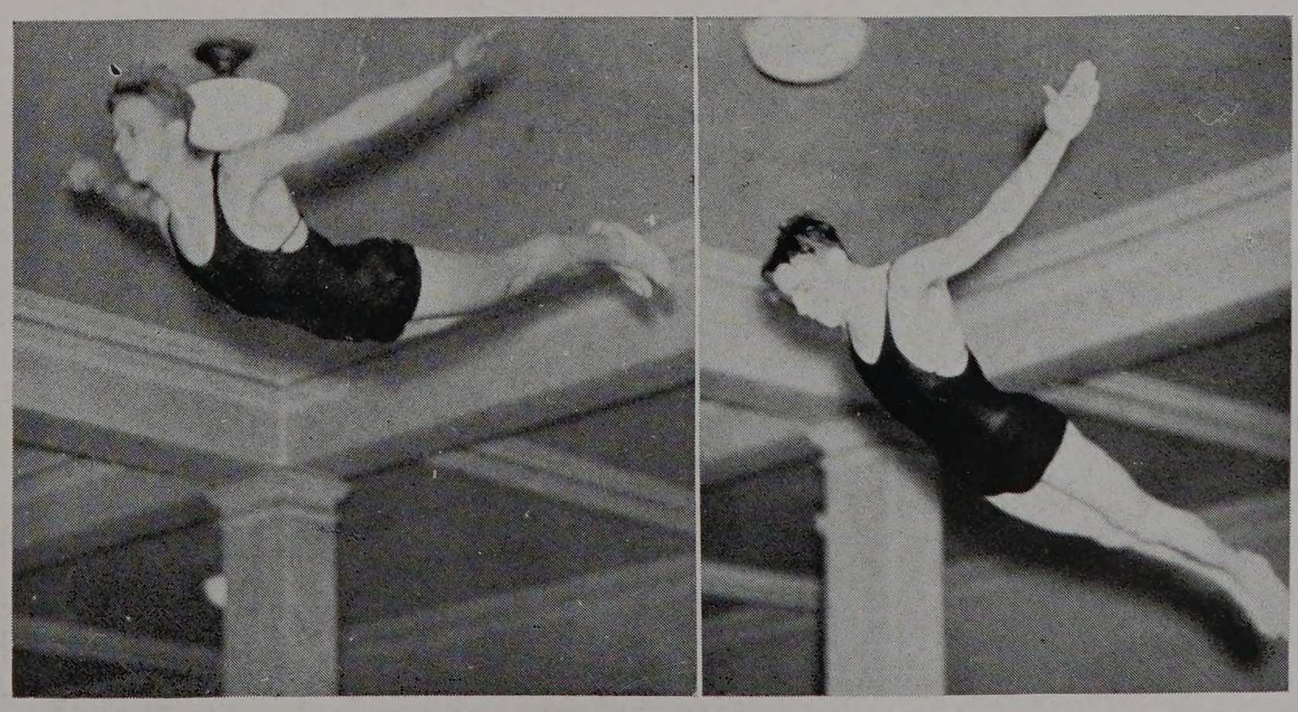
SWIMMING SCHEDULE

January 25—	Armour 60,	George Williams 15, at George Williams
February 8—	Armour 32,	Northwestern "B" 43, at Evanston
February 16—	Armour 24½,	Loyola 50½, at Armour
February 23—	Armour 58,	Morton 17, at Morton
March 5—	Armour 62,	Morton 13, at Armour
March 15—	Armour 27,	Loyola 53, at Loyola
March 27—	Armour 28,	Northwestern "B" 47, at Evanston

Won 3 — Lost 4

Armour points 291 — Opponents' points 238

Kolve and Reed Caught In Graceful Poses



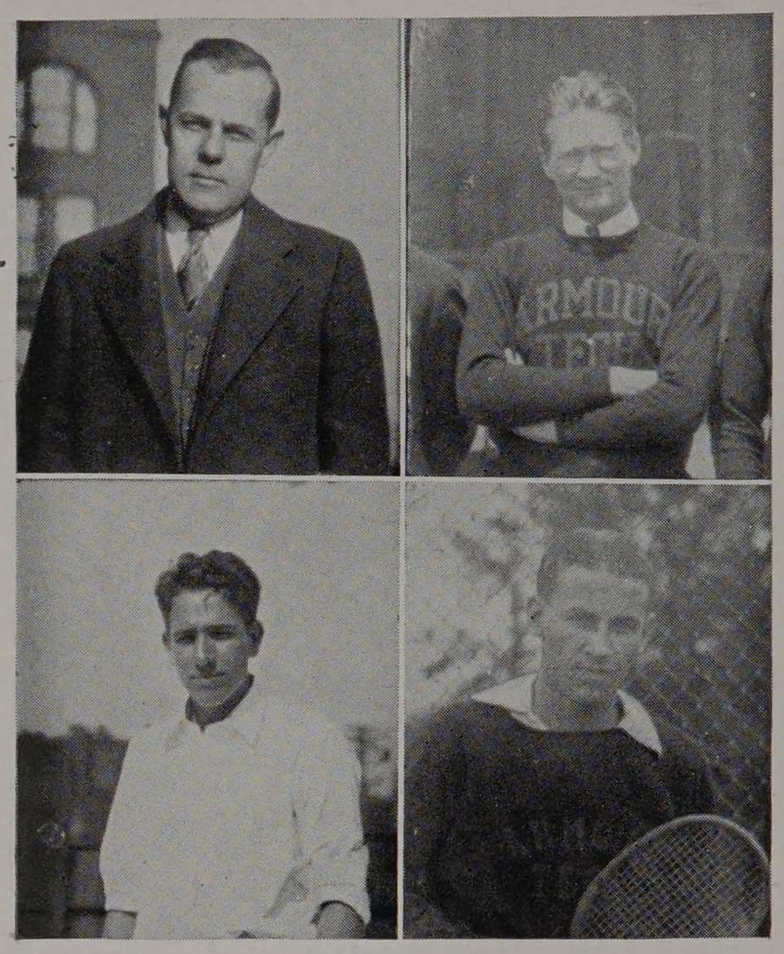
TENNIS, 1933

Coach . . . . . William W. Colvert
Captain . . . . . Louis H. Streb
Manager . . . . . Jack R. Peckman

Under the able and popular leadership of Coach W. W. Colvert the Techhawk Tennis Team experienced a success that was consistent with other sports at Armour. The squad consisted of the following men, listed according to their ranking; Streb, Armsbury, Paine, McDonough, and Cone. This was the second consecutive year that these five men played together and they showed increased skill in their performances. Because of the absence of vacancies there were several able men that failed to be listed on the first team but who were substituted occasionally with fine showings. They were Schmidt, Esbensen, Lammers, Davidson, and Curran.

Tech started the season badly by losing to Northwestern by a score of 6 to 3 on April 24th. Cone and Esbensen were victorious in the singles while Lammers and Cone won their match in the doubles.

Armour recuperated by defeating Loyola on April 27th, to the tune of 7 to 2. Armsbury, Cone, Lammers, and McDonough won the singles matches and all the doubles were won by Armour. The doubles teams consisted of Armsbury and Streb, Cone and Lammers, and McDonough and



COACH W. W. COLVERT

Professor Colvert's fourth season as coach of the tennis team again was a success. He has helped make the team one of the most successful of all the teams at Armour.

FRANKLIN W. PAINE

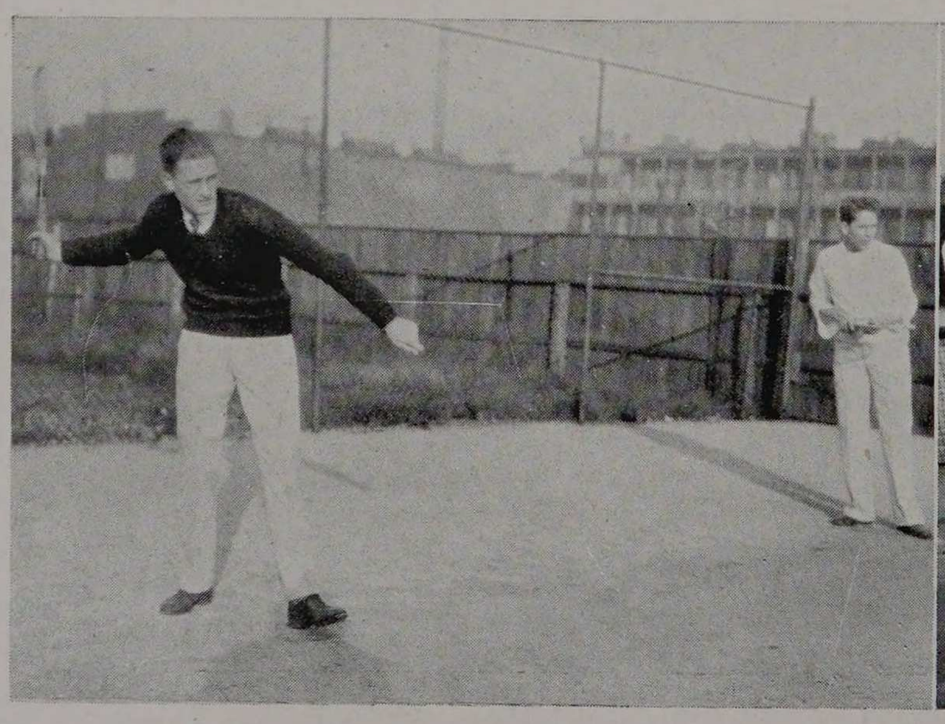
Paine did not have quite as good a year as was expected because of a bad ankle. He was hampered by lack of practice and could not be expected to do his best work under these conditions.

LOUIS H. STREB

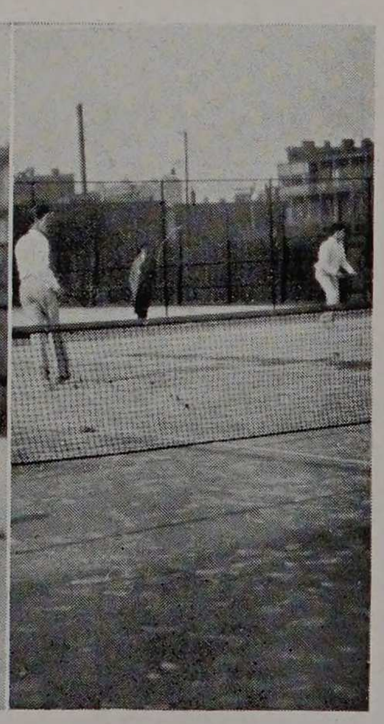
Captain Louis Streb was again the Number 1 man of the team and as such had to meet the leaders of the opposition. He won nearly all of his matches, and teamed with Armsbury to form a very effective doubles team.

RICHARD D. ARMSBURY

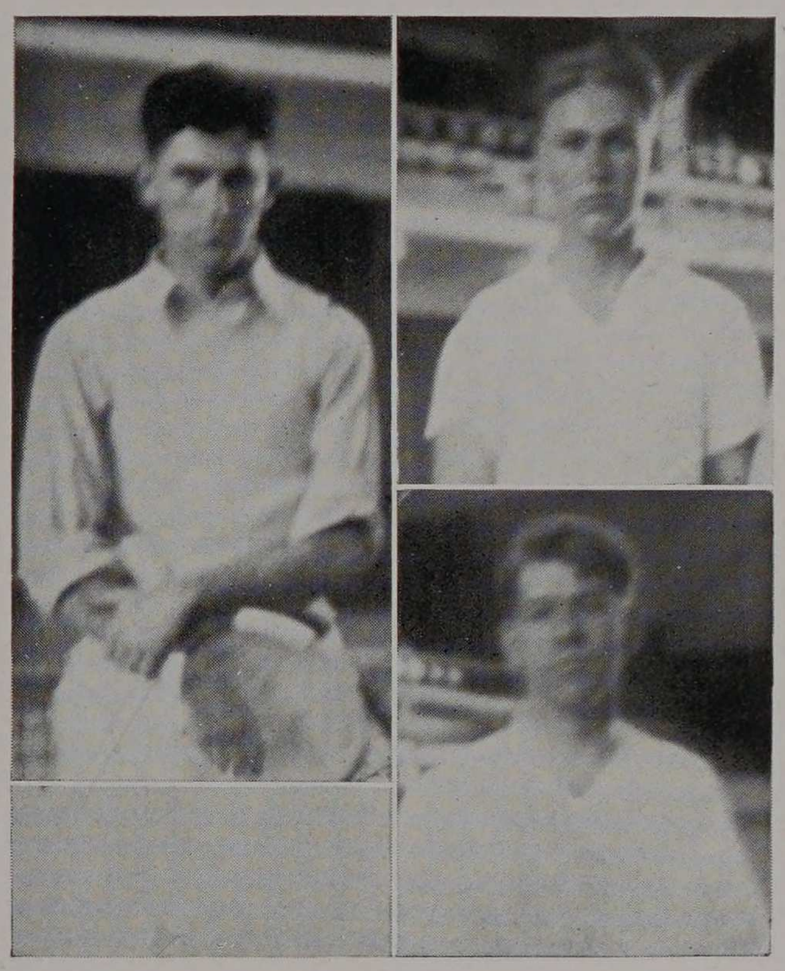
Dick played his second year as Number 2 singles man and was even more brilliant than he was as a freshman. He is probably even a better doubles player than a singles player.



Paine and Streb In Action



Cone and McDonough Play Doubles



EDWARD McDONOUGH

McDonough, a junior, played his second year on the team and had a very good year. He teamed with Paine to form a winning doubles team and also showed fine form in his singles matches.

ROBERT ESBENSEN

Bob Esbensen, although playing his first season for Armour, made a very creditable showing. He played in a few matches and gained some valuable experience in court playing. He will be a great aid to next year's team.

LOWELL J. LAMMERS

Lowell Lammers, another man who was playing his first season for Armour, won every match that he was in competition. He has transferred from Massachusetts Institute of Technology and should be playing regularly next season.

Paine. The Armour Netmen lost a hard fought battle to Chicago on May 4th, by a score of 6 to 3. Armsbury, Lammers, and Esbensen won their matches. May 10th, Armour defeated DePaul by a score of 3 to 2 and followed the victory with a hard fought battle to a tie with Wheaton on May 17th.

The netmen then continued to chalk up victories for the remaining part of the season, meeting defeat only once and that to Wheaton. They beat the Y-College twice by scores of 5 to 2 and 5 to 1 to close the season.

The season of 1934 should be as good or better than the 1933 season as only two men were lost by graduation and there is a long list of good prospects to fill these vacancies.

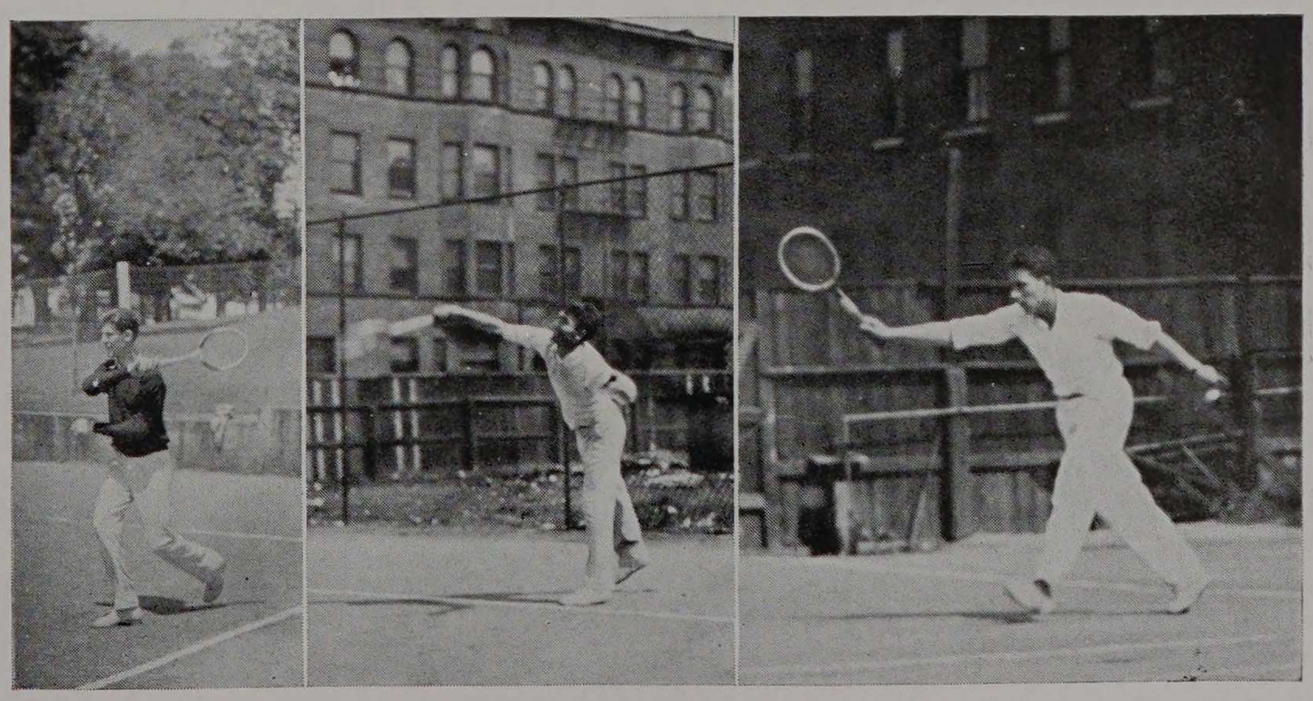
TENNIS SCHEDULE

April 24—Armour 3, Northwestern 6, at Northwestern.
April 27—Armour 7, Loyola 2, at Loyola
May 4—Armour 3, Chicago 6, at Chicago
May 10—Armour 3, De Paul 2, at DePaul
May 16—Armour 5, Y-College 2, at Armour
May 17—Armour 3, Wheaton 3, at Armour
May 22—Armour 5, Y-College 1, at Y-College
May 24—Armour 2, Wheaton 4, at Wheaton

SUMMARY

Won—4 Lost—3 Tied—1

Cone, McDonough, and Streb In Singles Play



Ggolf, 1933

Charles W. Leigh ..... Coach
Sven Johannisson ..... Captain
Otto Staib ..... Manager

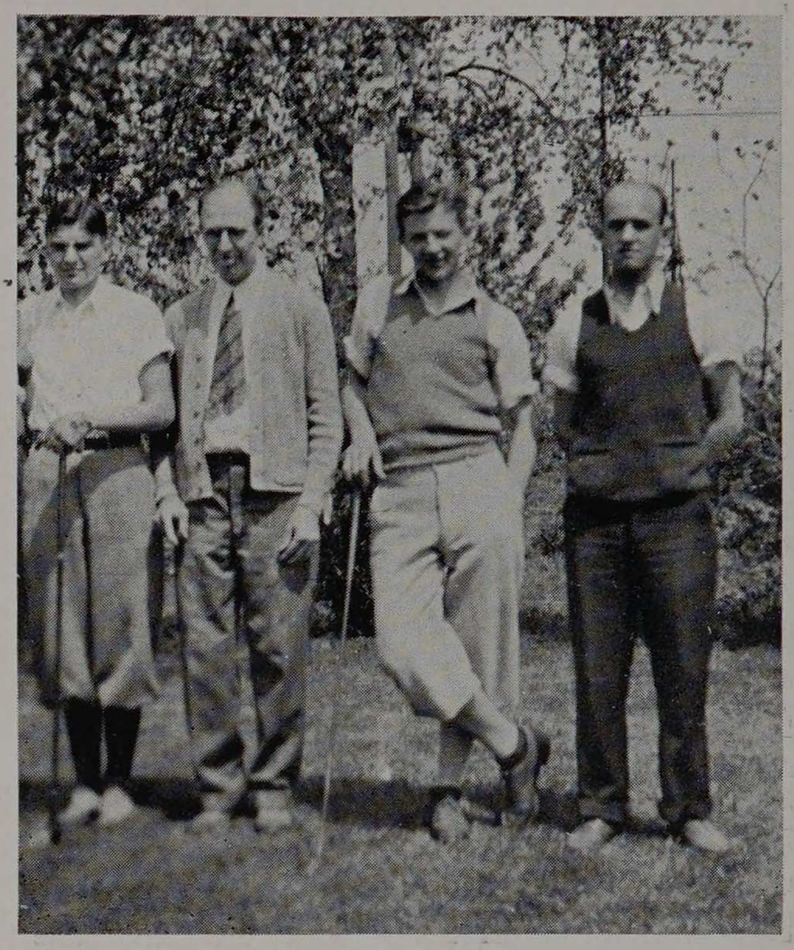
Coach Leigh's golf team did not have as good a record as in the previous year but the caliber of the playing was just as good. The 1933 team won two matches while losing four.

The season opened with a victory over Crane on April 15th. Captain Johannisson, Weldon, Davidson, and Ahern all contributed to the scoring. Larry Davidson's 80 was the lowest score of the day.

Armour travelled out to the tricky Kildeer Country Club to play Northwestern University next and were beaten, 10 to 2. Davidson made 1½ points against his opponent in the singles while the doubles team of Ahern and Weldon managed to make another ½ point.

De Paul was Armour's next opponent and won a well played match, 12½ to 5½. Davidson and Johannisson made all of the points when they bested their singles rivals.

The University of Chicago beat Armour in an abbreviated match on May 2nd. Davidson, Johannison, and Ahern played for Armour. Larry



Coach Leigh

Professor Leigh has been golf coach for a good many years now and has certainly done a good job of it. He is always around the course during practice and also gives the team a send-off in the various matches.

Manager Staib

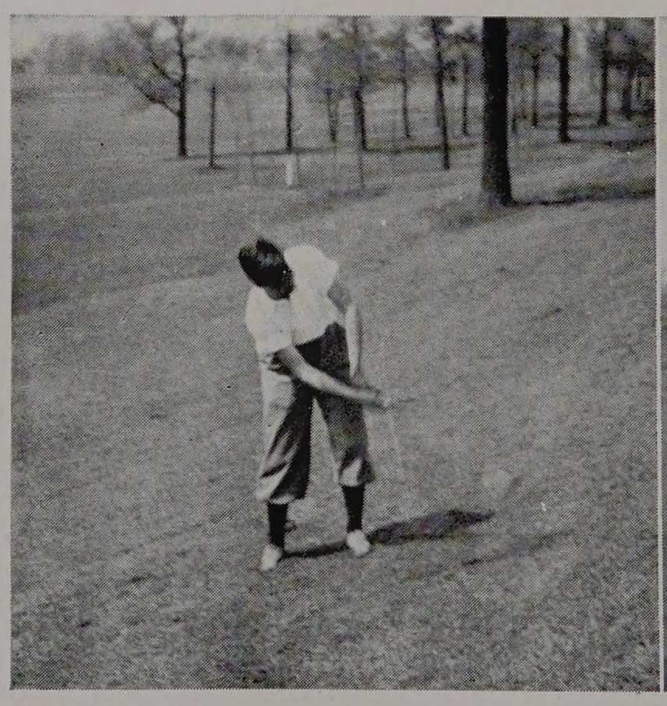
Staib did good work in planning a schedule for the "pill chasers." He helped the boys immensely by correcting their faults whenever possible and did his best in keeping the team in trim for the season.

Lawrence Davidson

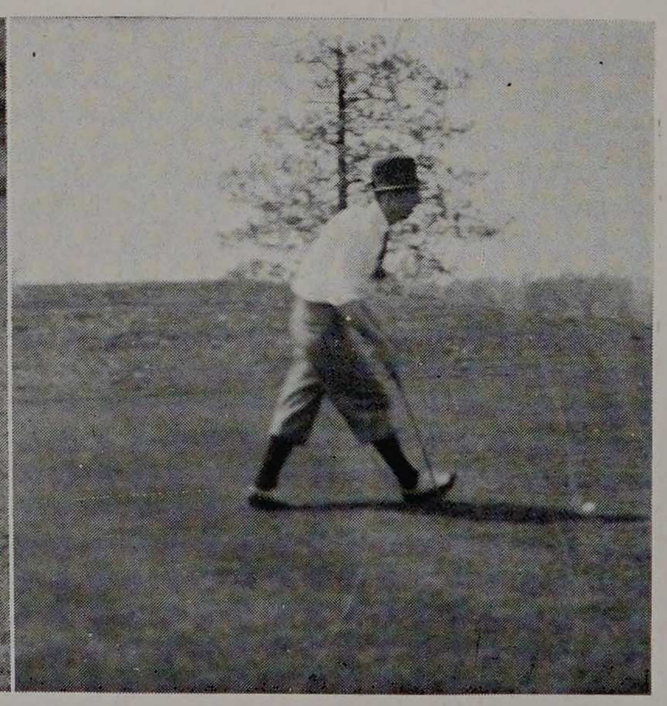
Larry was possibly the best man on the team when it came to shooting low golf. His brilliant 70's throughout the year helped Armour immensely. He was elected Captain of the 1934 team and we know he will make good.

Walter Weldon

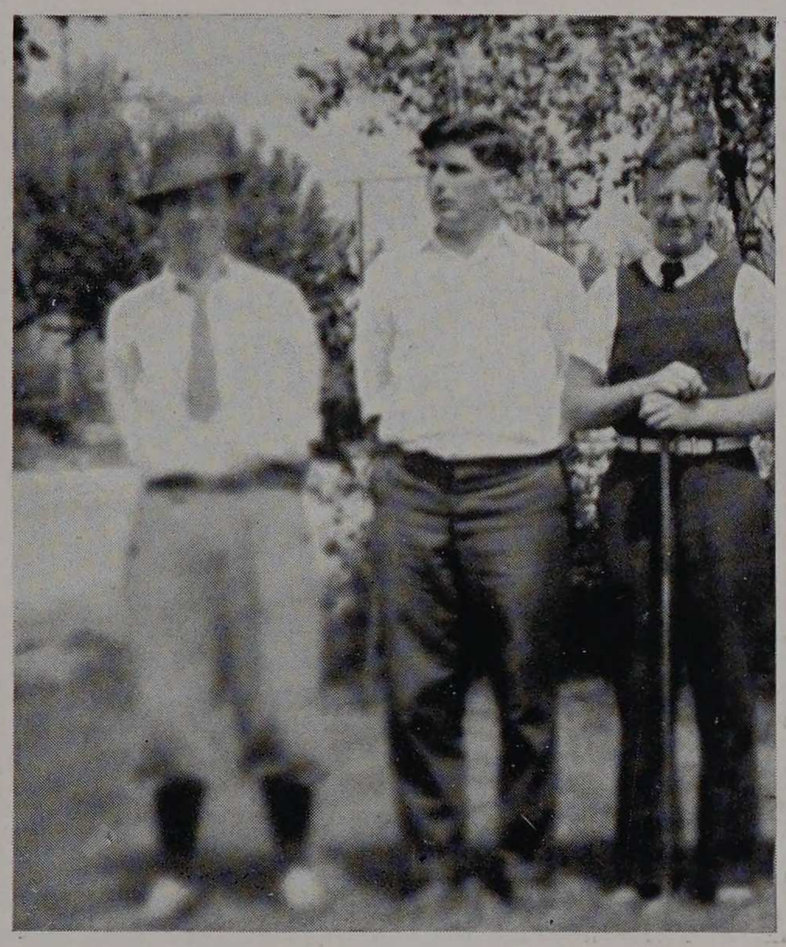
Wally has played excellent golf this last season. The team can chalk up several of the season's victories to his consistently good golf. Wally is a veteran golfer, this being his third year on the team.



Davidson Pitches Up a Hill



Wattley Has a Nice Lie on the Green



WILLIAM AHERN

Bill was just recently acquired by the golf team. He managed to improve his game in his sophomore year to such an extent that he was immediately pressed into service.

JOHN MCLENNAN

"Mac" worked hard and vigorously with the team. Through his co-operation and spirit of "do or die" the team was aided in chalking up several of its victories.

THOMAS WATTLEY

Wattley is a new man on the team but we expect a lot from him. Although his game is not as consistent as it might be he very often comes in with a low score.

CAPTAIN SVEN JOHANNISSON

No Picture

Sven was a four year man on the team and turned in many low scores to further the team's showing. He was handicapped by injuries in his last year and was only able to play in three of the meets.

nisson, and Ahern played for Armour. Larry Davidson again won his match to make the best showing.

Two matches with the Alumni closed the season for Armour. These were divided equally. Larry Davidson played fine golf when he won his singles match against an old Armour star, Miller. He shot a sparkling 75 to his opponent's 76 at the tricky Evergreen Club.

The season just ended closes the collegiate careers of Captain Johannisson, and Weldon. Next year's team will be led by Captain-Elect Davidson, who did not lose a match all year, Ahern, and Wattley. Ray Pflum was appointed manager of the 1934 team.

GOLF SCHEDULE

April 15—Armour 10½, Crane 7½, at Armour

April 18—Armour 2, Northwestern 12, at Northwestern

April 30—Armour 5½, De Paul 12½, at De Paul

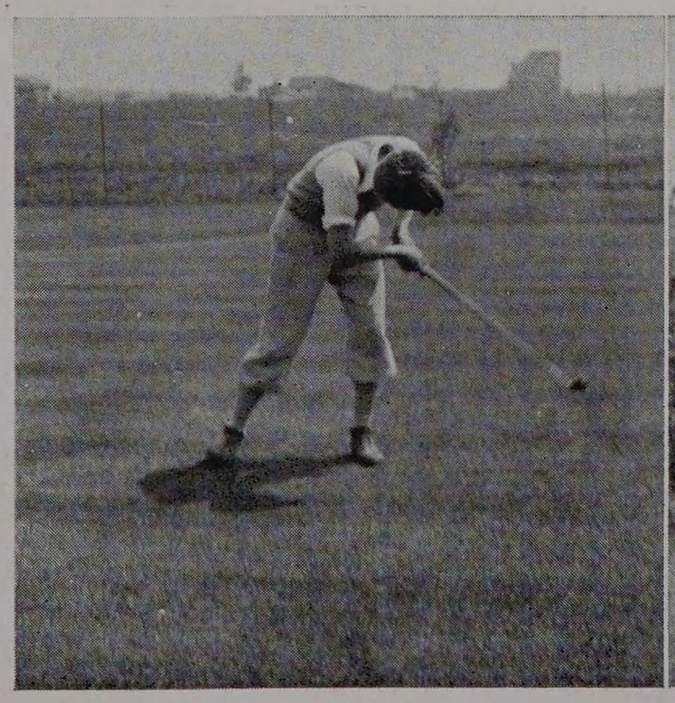
May 2—Armour 2½, University of Chicago 6½, at Chicago

May 12—Armour 13, Alumni 5, at Armour

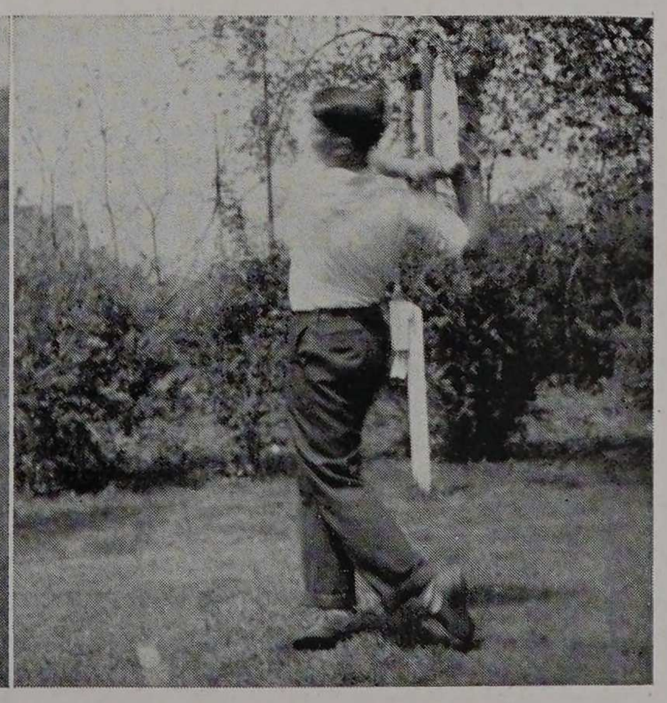
May 26—Armour 8, Alumni 10, at Armour

Won 2 Lost 4

Weldon Approaches



Ahern Drives Off



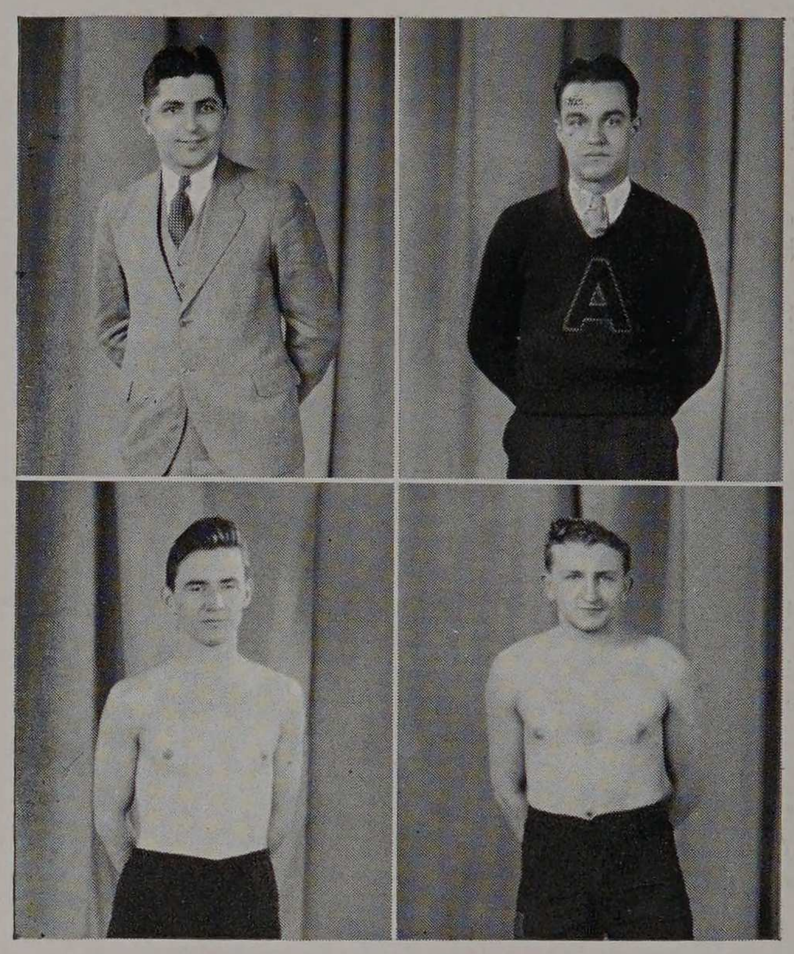
BOXING, 1934

Bernard Weissman ..... Coach
Leo J. McDonald ..... Captain
James Castanes ..... Manager

The Armour boxing team was handicapped for the second successive year by a lack of sufficient opposition. There are too few schools which have capable boxing teams. Of the two meets which were completed at this writing, Armour lost both. The later meets with Culver, Morton, and Northwestern University could not be reported because of the time of their occurrence.

The first boxing activity was the school boxing tournament. Champions were decided in each weight division and these men were given every chance to make the boxing team. The winners were as follows:

126 pound class—Goldman
135 pound class—George Reed
152 pound class—Geeraerts
156 pound class—Frank McAuliffe



COACH WEISSMAN

"Sonny" Weissman has made boxing a very popular sport at Armour. He is a really good teacher of the manly art and quite proficient himself. This year's team was as good as any of the previous teams and practiced very faithfully.

MANAGER CASTANES

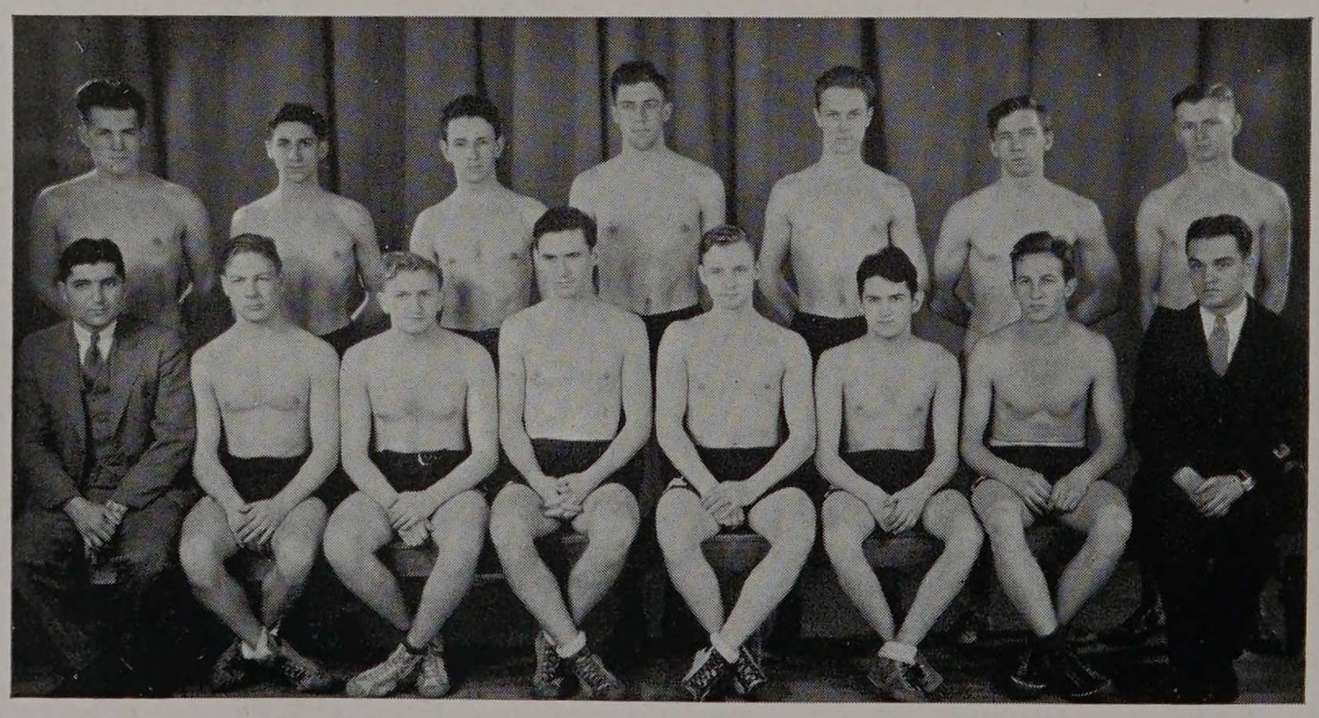
Jim Castanes encountered the same trouble that all previous boxing managers have encountered. He tried to get a much more imposing schedule but there were too few teams to draw from.

CAPTAIN LEO McDONALD

"Mac" completed his fourth year as the star of the team with an enviable record. His hard right hand punching carried him to many well earned victories in his four years.

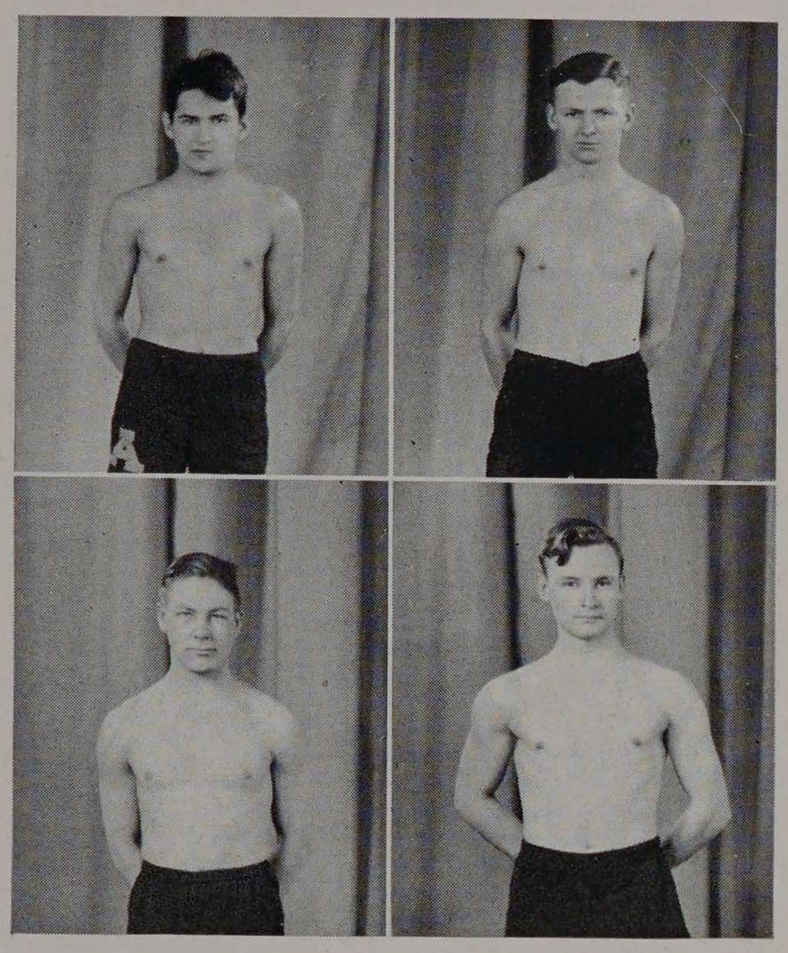
LEONARD MARCUS

Len Marcus was another four year veteran who compiled an enviable record as an exponent of the manly art. He is a very hard hitter and a clever, smart boxer. He did not get into the Morton meet.



The 1934 Boxing Squad

Emmerich, Hella, Bothwell, Freitag, Anderson, Geeraerts, Suman
Weissman, Norris, Marcus, McDonald, Breh, Goldman, Smith, Castanes



SHELDON GOLDMAN

Goldman was one of the men discovered in the boxing tournament. He won out in his weight class, continued developing and became a mainstay of the team. He lost his match in the Morton meet but won in the De Paul meet.

ROBERT SUMAN

"Spike," as Bob Suman was called by his friends, was one of the most pleasing fighters Armour had. He fought very fast and threw a lot of leather, as the fighters say. He completed his fourth year as a boxer.

JOHN BREH

Johnny Breh is one of the most earnest and efficient boxers on the Armour team. Although only a sophomore he displayed fine ability whenever he was given a chance to work. Against De Paul he was "robbed" by the referee.

ORIN NORRIS

Norris had many of the same troubles that Marcus had. The opposition could not match him; that is, they did not have a man in his weight class. He possesses a very hard punch and has a lot of fighting spirit.

The first meet held was with DePaul and was recorded as a loss. Breh lost a close decision while Smith tired rapidly in the last round of his battle. Geeraerts was the Armour victor when he knocked out Mahon of DePaul in the second round.

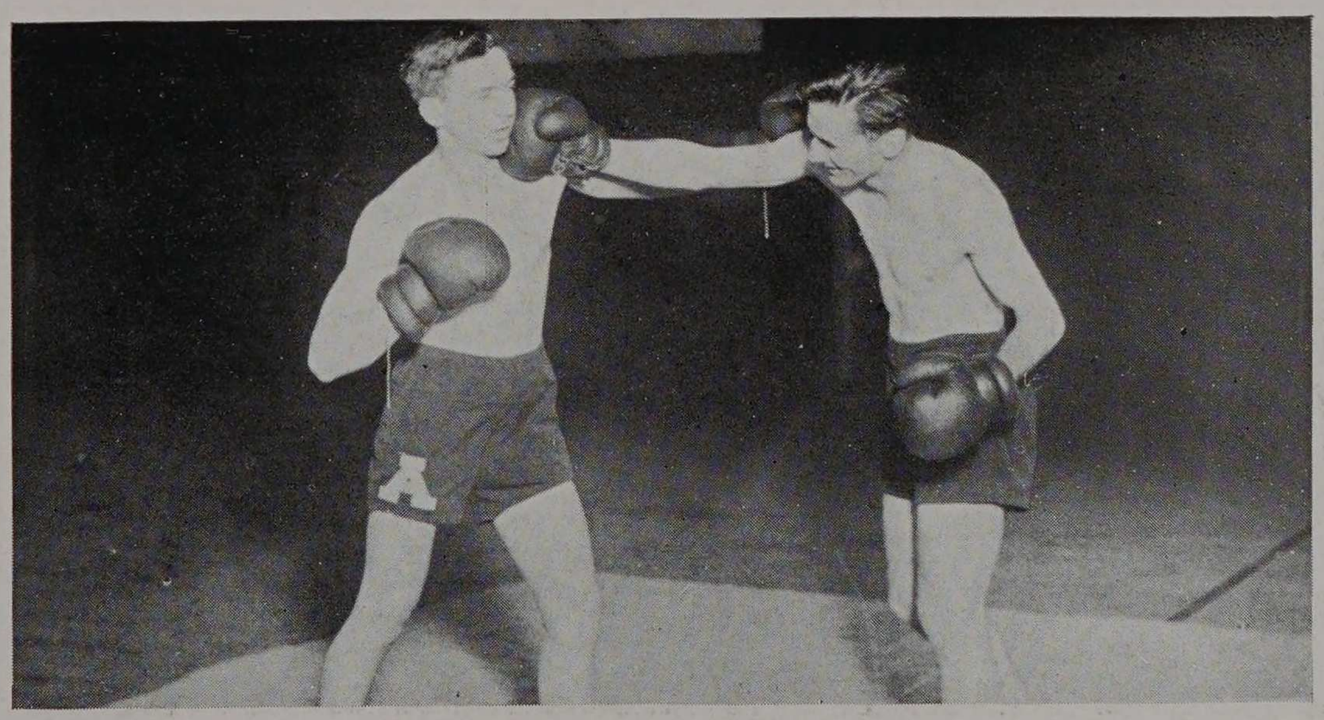
The next meet was with Morton and resulted in another defeat. Armour won three matches and lost six. Captain McDonald, Anderson, and McAuliffe gained the three points for Tech while Bothwell, Geeraerts, Smith, Goldman, Suman, and Hella were defeated by the Morton pugilists.

The team loses three good boxers by graduation in Captain McDonald, who has been a star for four years, Len Marcus, "Spike" Suman, and Andy Anderson.

SCHEDULE

February 16—Armour 1, De Paul 2, at De Paul
March 9—Armour 3, Morton 6, at Morton
April 7—Armour at Culver

Won 0 Lost 0



McDonald Delivers a Hard Right to the Chin

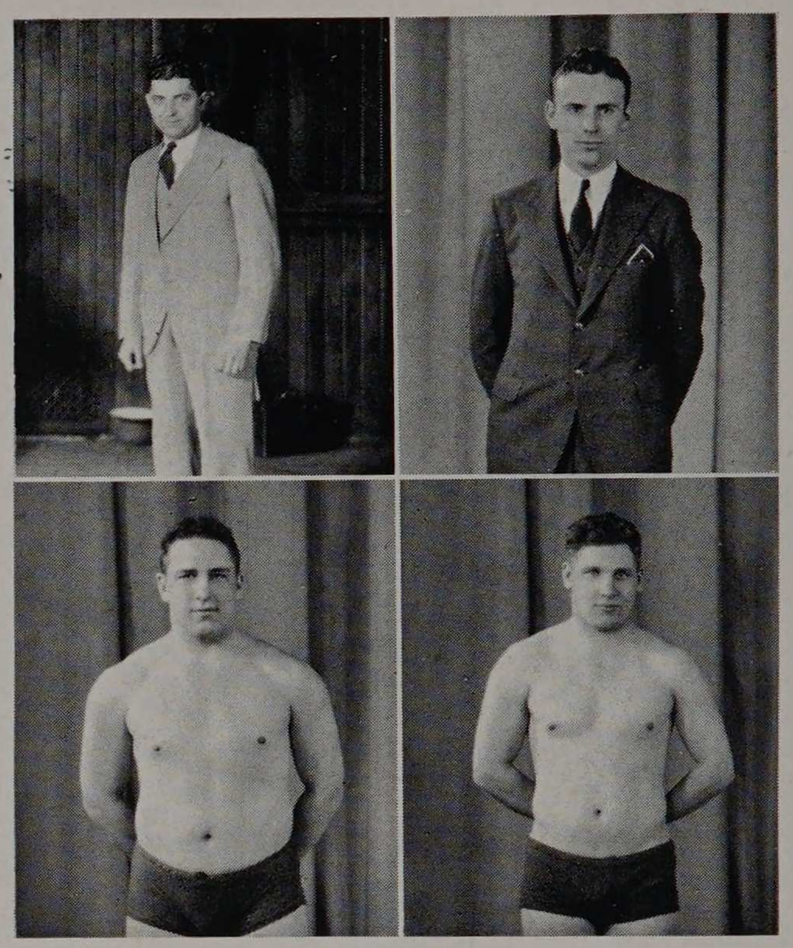
WRESTLING

Bernard Weissman ..... Coach
Robert O. Patterson ..... Captain
Frank C. Koko ..... Manager

Wrestling closed its second season as an official Armour sport by turning in another successful record. It was shown how much this sport has gained in popularity by the number of men participating in the regular team practice sessions. There were about twenty men on the squad.

The first meet of the year found Armour on the losing end to Wheaton, 18 to 14. Patterson, Schmidt, Sumner, and Peterson managed to win their bouts but their efforts were not quite enough. Although both teams won the same number of bouts, four, Wheaton won the meet because they won one more bout by a fall than the Techmen.

The grapplers' next competition came from De Paul foemen, on February 17th. Only three bouts were fought, but the Armour gladiators won each one, and by the choicest route, a fall. The winners were Patterson, Larson, and Sumner.



BERNARD WEISMAN

"Sonny" Weissmann's second year as Wrestling coach was quite as successful as the first. He made the boys train hard but they enjoyed working under his popular tutelage and a smooth running, fine team was the result.

RAYMOND PETERSON

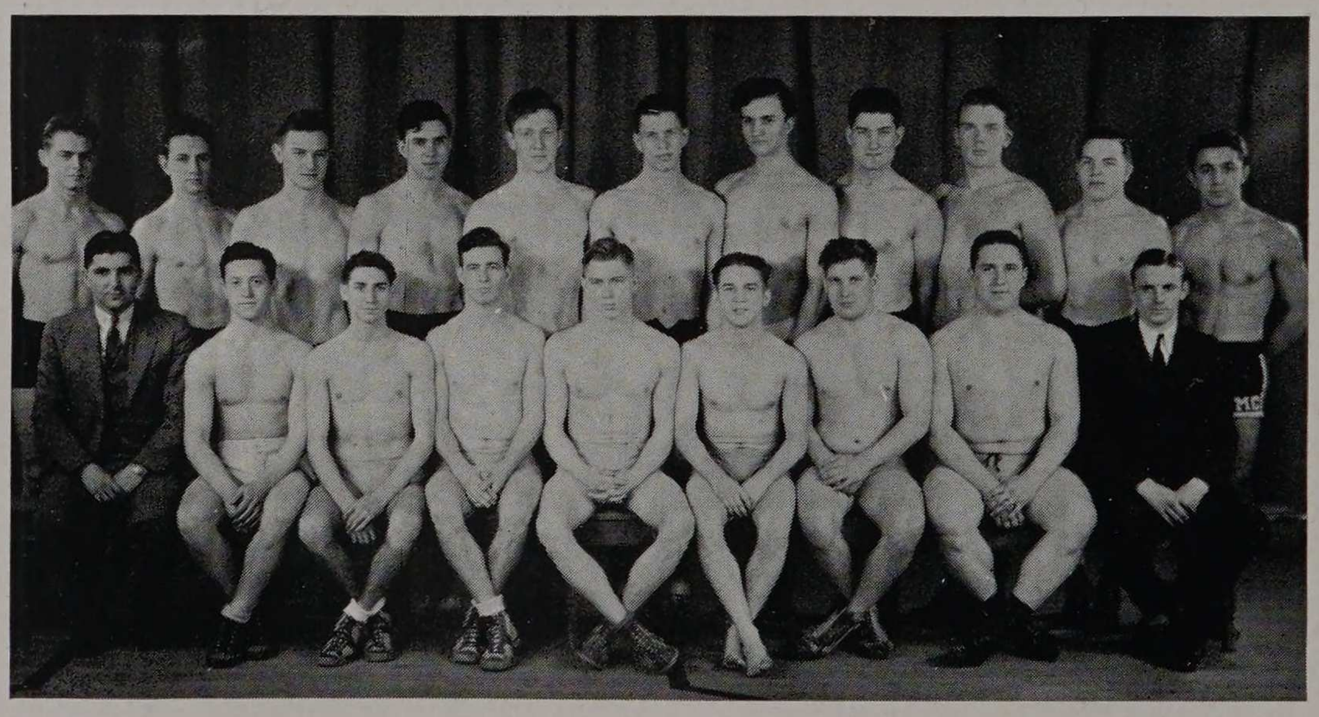
"Pete" was Armour's heavy-weight gladiator and by virtue of this met all the "big" men of the opposition. He gave a good account of himself by winning one match while losing two.

FRANK KOKO

Frank Koko was manager of the team for the second successive year but had a little more difficulty in drawing up a complete schedule than in the previous year. This was due to lack of suitable opponents.

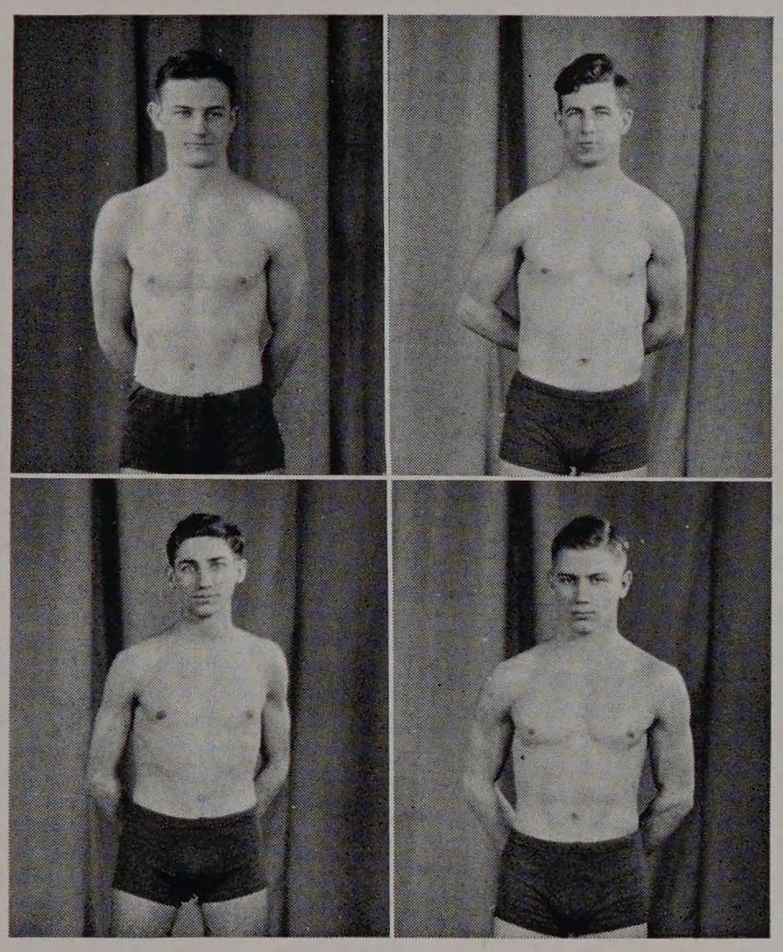
GUSTAV BERQUIST

"Gus" put in his second year as a member of the team but didn't quite match the record of his first year. This year he lost all three of his bouts but showed that he was just as skillful as ever. His opponents were just a little out of his class.



Boberg, Bothwell, Sumner, Kreml, Popper, Kercher, Gartz, Wheaton, Ford, Wolniak, Papas
Weissman, Schneebalg, Hella, Patterson, Schmidt, Marslek, Berquist, Peterson, Koko

The 1934 Wrestling Team



HERMAN SUMNER

"Herm" Sumner compiled the best record of any of the Armour wrestlers. He won all four of his bouts with the greatest of ease and was very seldom in any serious difficulty.

ROBERT PATTERSON

Bob Patterson was Captain of the team and was an able leader as his record shows. He won three out of his four bouts and later defeated the man who had previously beaten him.

ROBERT HELLA

Hella had some tough luck in his matches this year, losing all of the decisions. Hella represented Armour in the lighter weights and met some tough, fast opposition. He ought to have a much better season next year.

ROBERT SCHMIDT

Schmidt was the other Armour representative who did not lose a match all season. He won three clean cut decisions and wanted a chance to win more. He took care of all 150 pounders in the opposition very nicely.

The next meet was a return engagement with Wheaton. This time only Schmidt and Sumner could win their events so that Wheaton won by a score of 28 to 6. The Armour men were not disgraced, however, as several close referee's decisions went against them.

On March 16th, Armour met and defeated Lincoln-Belmont Y.M.C.A. by a score of 24 to 20. Armour lost the first three bouts but successive victories by Kercher, Patterson, Boberg, Schmidt, Larson, and Sumner carried the day for Armour. Sumner's win was his fourth in as many appearances.

The team this year will not lose any men by graduation as all the members are underclassmen, so that next year's prospects look quite rosy.

SCHEDULE—1934

January 12—Armour 14, Wheaton 18, at Armour
February 17—Armour 12, DePaul 0, at DePaul
February 21—Armour 6, Wheaton 28, at Wheaton
March 16—Armour 24, Lincoln-Belmont Y.M.C.A.
20, at Lincoln-Belmont



Schmidt and Boberg at it Tooth and Nail



Senior Baseball Team

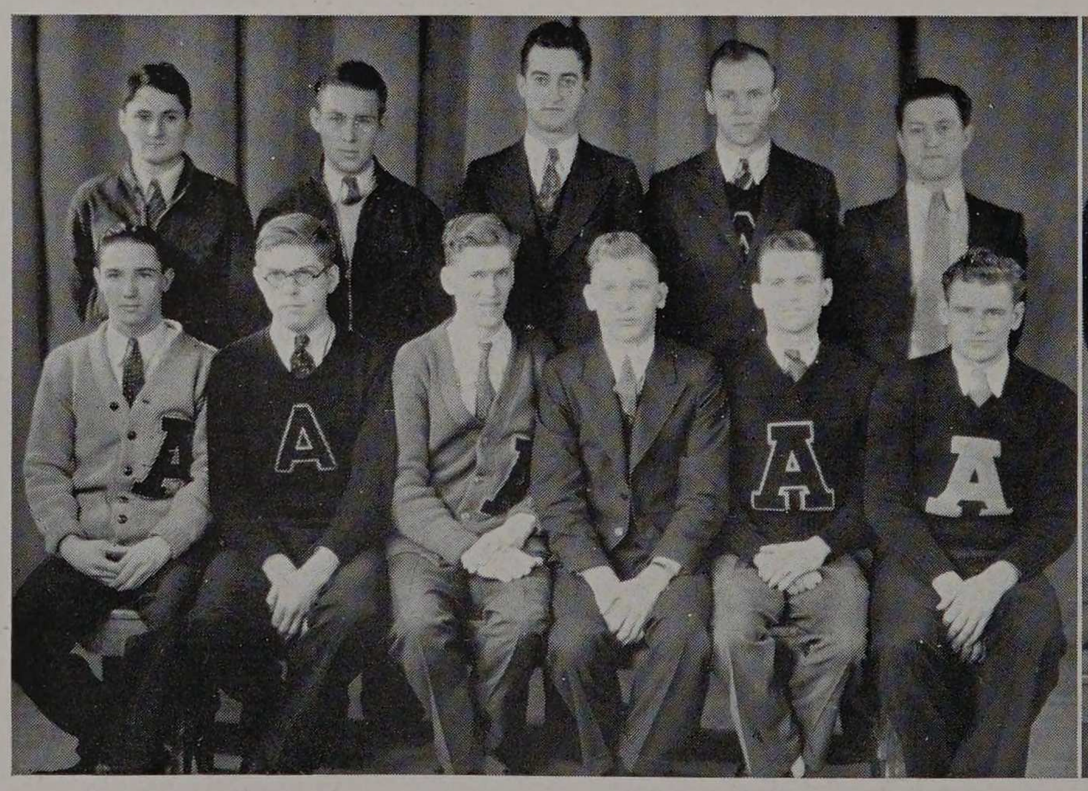
Inter-Class Champs

INTERCLASS ATHLETICS

The interclass fall baseball tournament was the first of the interclass sports arguments to be settled. The first competition was between the Seniors and the Juniors and the Seniors won a bitterly fought game. Next the Freshmen trounced the Sophomores. But the Seniors spoiled all this by getting to the Freshmen pitchers early in the game and battered out an easy 9 to 1 victory.

The next sport to hold the interest of the classes was basketball. The Junior team walked all over the cocky Senior quintet in the opening game and won by a score of 28 to 20. Then the highly touted Freshmen tramped over the luckless Sophomores. For three quarters of the game the Juniors were far outclassed. And then they started to make point after point until they tied the score with but a minute to play. The Freshmen managed to make a basket before the final whistle blew to emerge victorious.

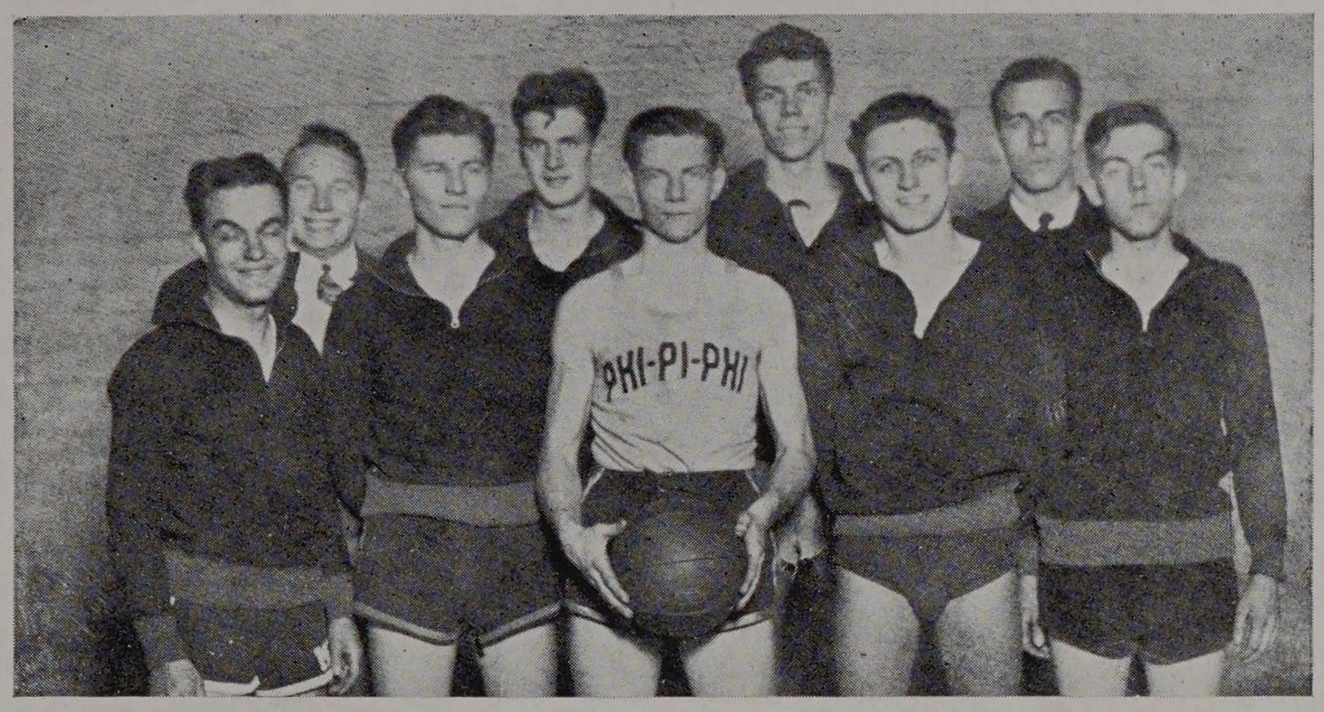
The interclass track meet on January 20th was won by the Seniors. They won seven of the eleven events to score 33 points to the Freshmen total of 14½ points.



Senior Track Champs



Freshman Basket Ball Champs



The Winners in Basketball

INTERFRATERNITY ATHLETICS

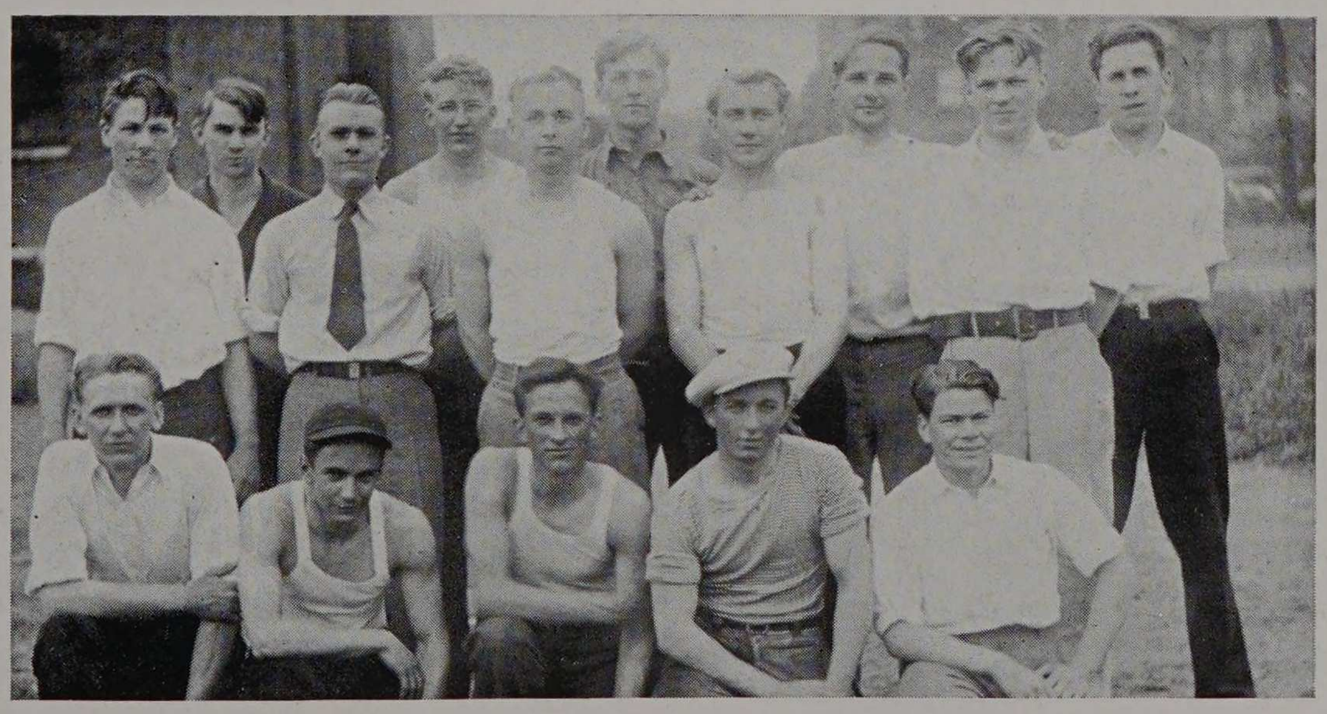
Intramural sports, although not carried on as extensively at Armour as at most other schools, are one of the best ways we have of giving every man a chance to show his ability along athletic lines. He also gets the added thrill of doing something which will help his chosen Fraternity gain prominence and honor.

Triangle won the Intra-mural track meet for the third consecutive time and thus won permanent possession of the travelling cup. However, George Reed of Sigma Kappa Delta was the outstanding star of the meet, making 19 points.

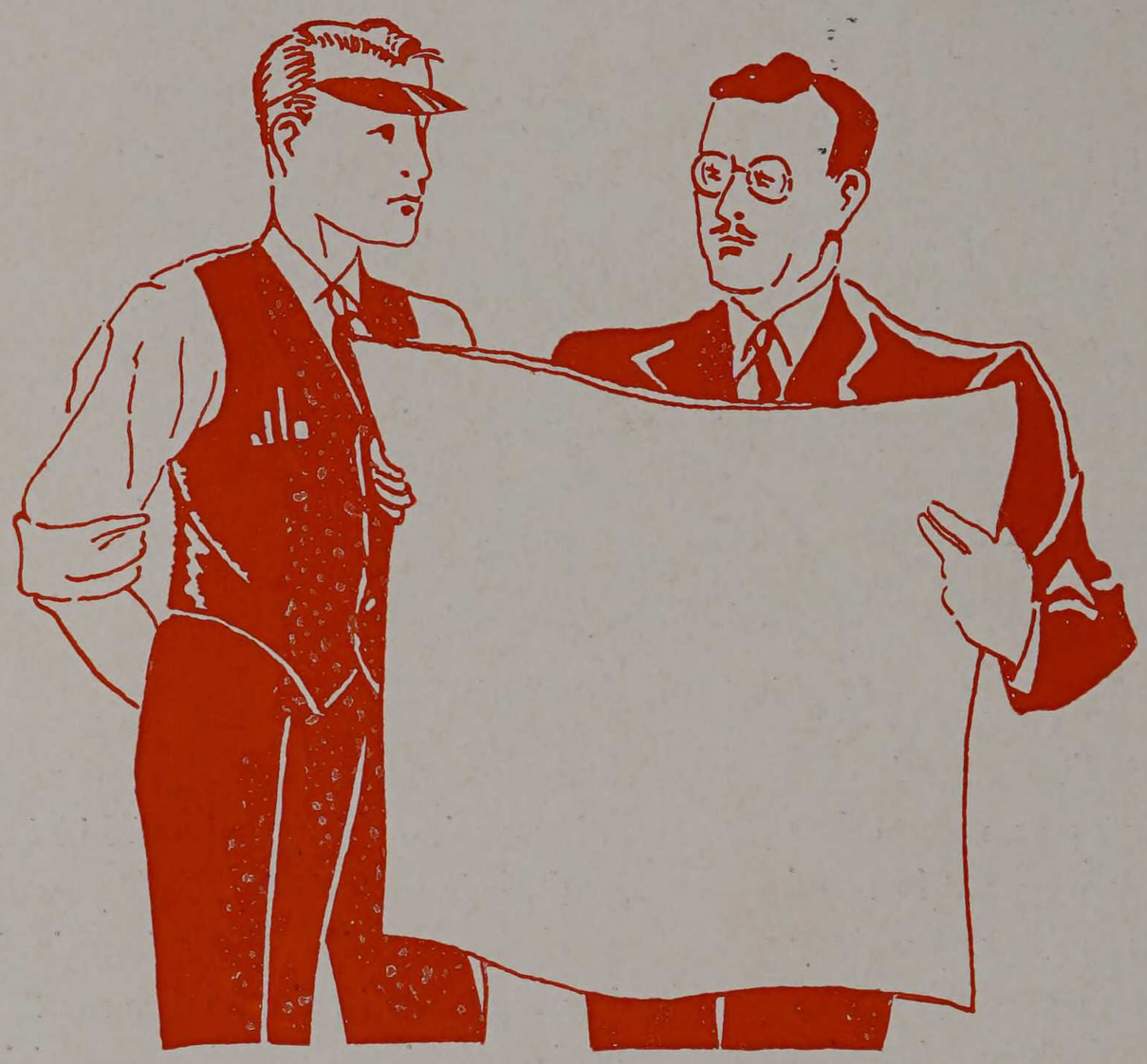
The intra-mural basketball meet was a little more interesting this year but Phi Pi Phi still retained their superiority. They won their sixteenth consecutive championship by defeating the Delts in the final game 26 to 14.

The other intra-mural competitions in baseball, tennis, golf, and ping-pong have not been decided as yet but extremely close and hard fought competition is assured.

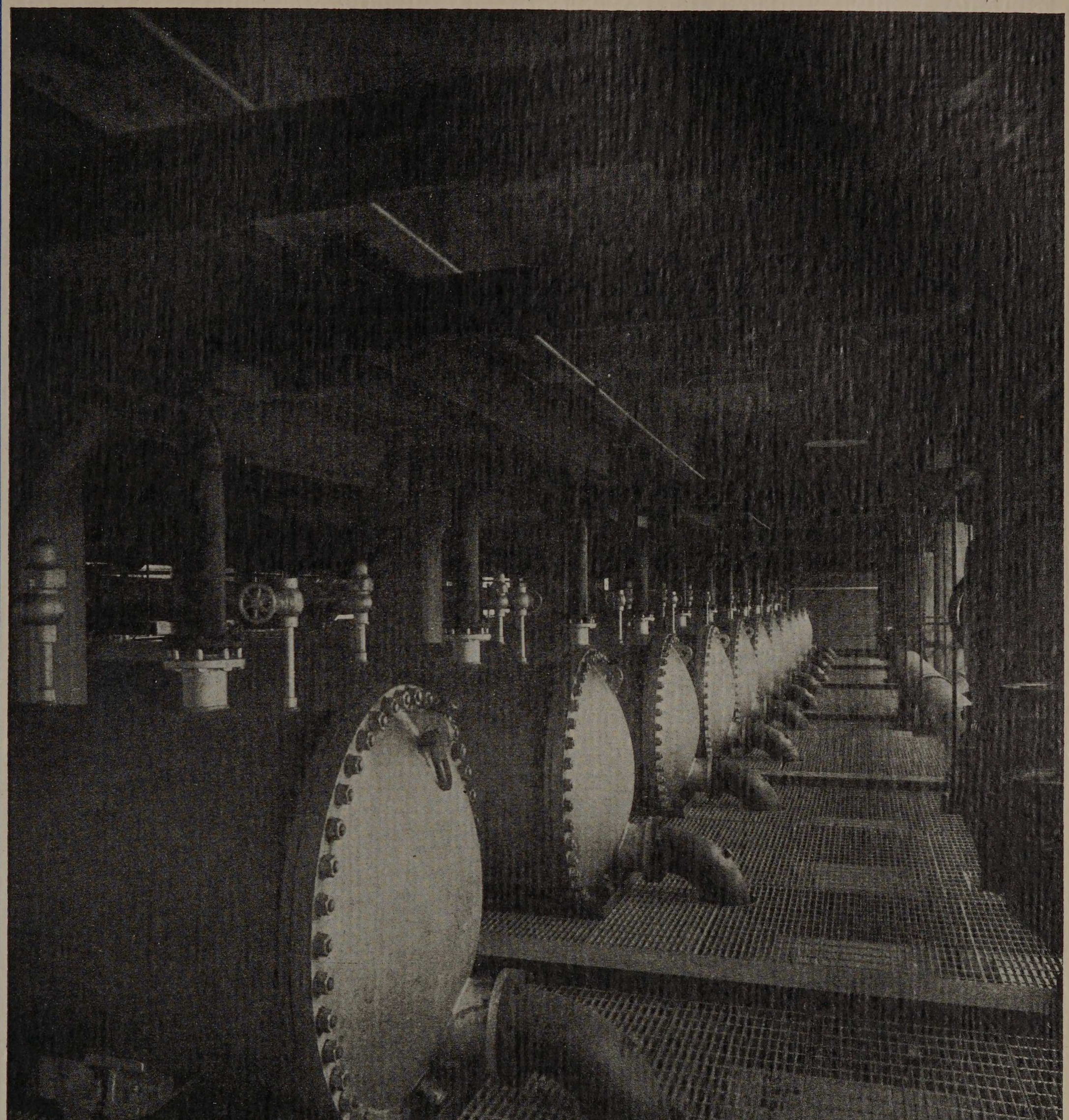
Ping-pong is the newest of these competitions, having been added this spring. Most of the houses have had tables for a year or so and they can all provide good players for the tournament.



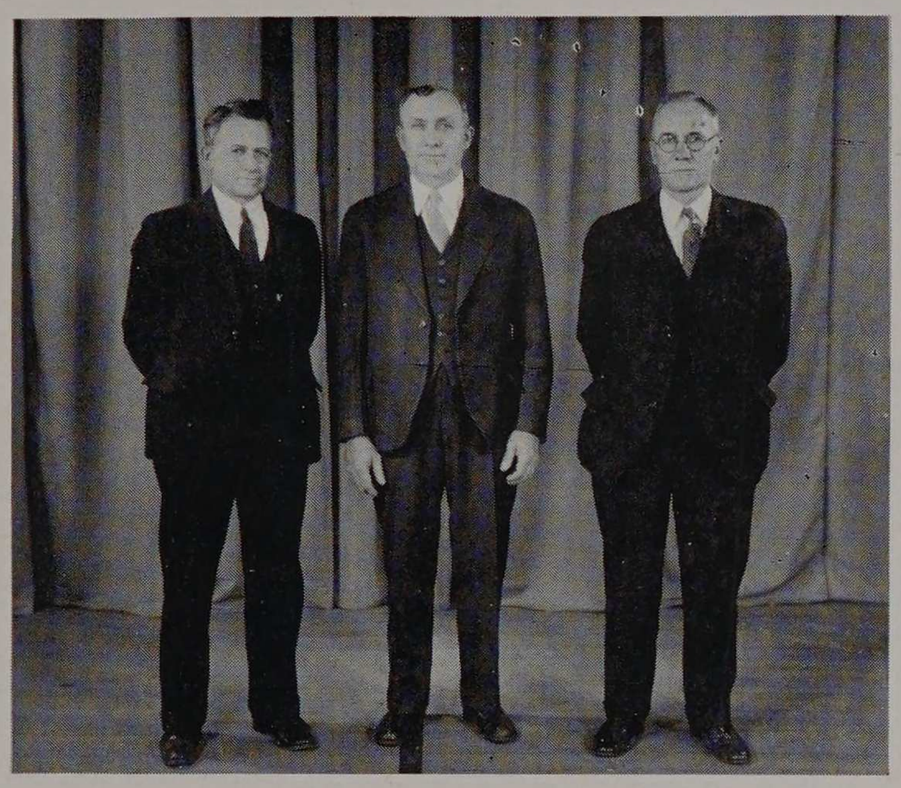
Interfraternity Baseball Champs



ORGANIZATIONS



In many industries, including some of the largest in the Chicago area, such as the packing industry, the oil industry, etc., use is made of refrigeration as a means of preservation or reclamation. In large installations valuable use is made of the surface condenser, one of which is shown as installed at Armour and Company's packing plant.



Mangold, Spencer, Perry

FACULTY COMMITTEE

Another Cycle Board has dedicated a year book. The members of that board have labored faithfully and effectively to create this book. Such an accomplishment has required much more than the effort of one man. It is the result of the hearty co-operation of all members of the board.

To create such a volume is a real task. Many problems arise regarding material, arrangement, size and general effectiveness. Further, it requires much ingenuity to produce a book which is so different from previous ones that the reader will exclaim with rapture that he has found something new. Although the board has had to conserve its financial resources, it has built value received into its work.

The faculty committee congratulates the Cycle Board upon its achievement in producing this excellent publication. The editors are modest, and so we hope that you, the readers, will let them know that you enjoy and appreciate their work.

The Faculty Committee.

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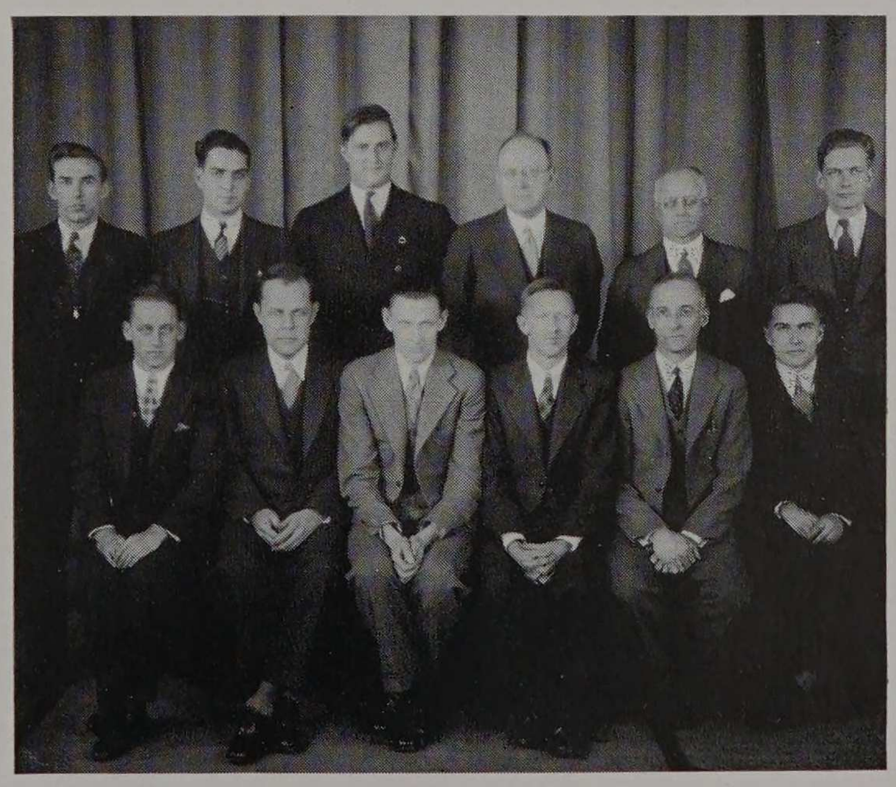
The Board of Publications, established in 1932 by the Board of Trustees, governs the editorial and publishing policies of the "Armour Tech News" and "The Armour Engineer." Under its constitution, the Board is divided into two committees: the "News" committee, composed of three faculty members and three students elected from the Managing Board of the Armour Tech News; and the "Engineer" committee, also composed of three faculty members and three students elected from the Engineer Board of Control of the Armour Engineer. These committees discuss and work out the problems confronting their respective publications, and at the monthly meetings the Board passes upon the recommendations made by the committees.

In order that the students who work on the various publications might become better acquainted with each other, the Board sponsored a smoker to which all students working on any of the three publications were invited.



Colburn, Kreisman, Brenner, Finnegan, Paul, Davidson
Clarkson, Colvert, Grafton, Hendricks, Peebles, Kostenko

THE CYCLE, 1934

We of the staff of the Cycle view the completion of the book with mingled feelings of both happiness and regret. We feel a happiness in the knowledge that in the publication of the Cycle we have completed a big task in a creditable manner. The sorrow we feel is due to the realization that many of us are about to graduate and that many of the fine business connections we have formed in the past year must soon be severed.

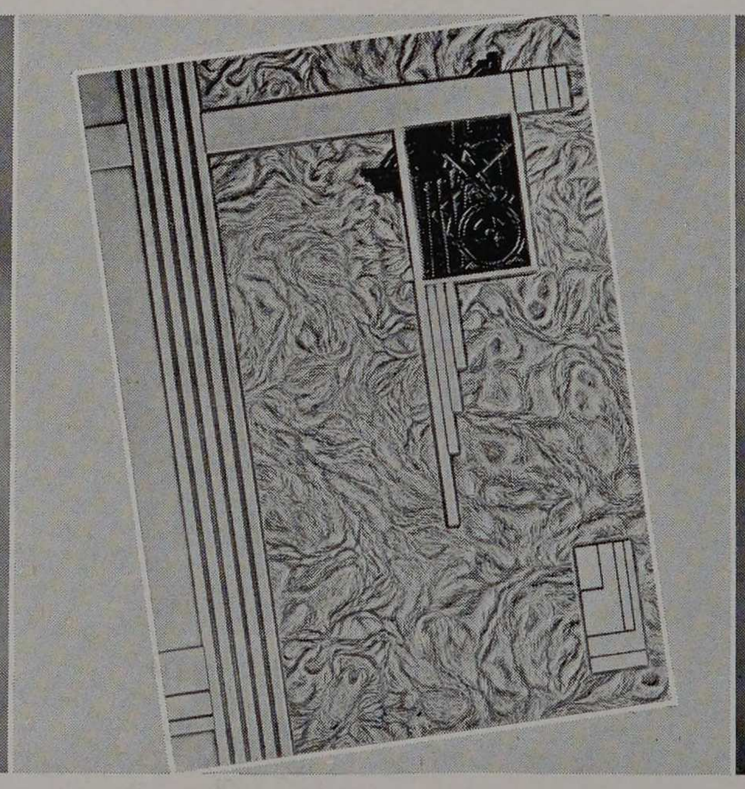
There is just one reason for the existence of a college yearbook, and that is to completely review the events of the college year just past and to present this review in an orderly fashion. In the Cycle we hope that we have fulfilled this purpose and that in the years to come our classmates will turn to the Cycle of 1934 to recall memories of days that passed all too swiftly. If they do we will know that we have been successful in compiling a good yearbook.

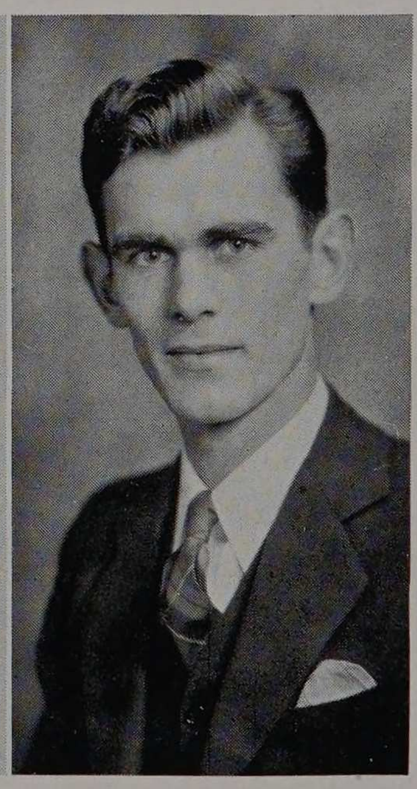
In no small measure is the success of the Cycle due to its many contributors and assistants. Without their aid it would have been well nigh impossible to coordinate the happenings and doings of the past year in the short time necessary. We also feel greatly indebted to many of the large industrial concerns in and about Chicago for the pictures which they so generously donated to the book for the development of the theme.

We of the staff and those who have collaborated with us have worked long and hard in our endeavor to produce a truly good yearbook. If those who read this book receive as much enjoyment from it as the staff has received in creating it, we will feel that our efforts have been more than well rewarded.



T. C. Peavey





H. J. Zibble

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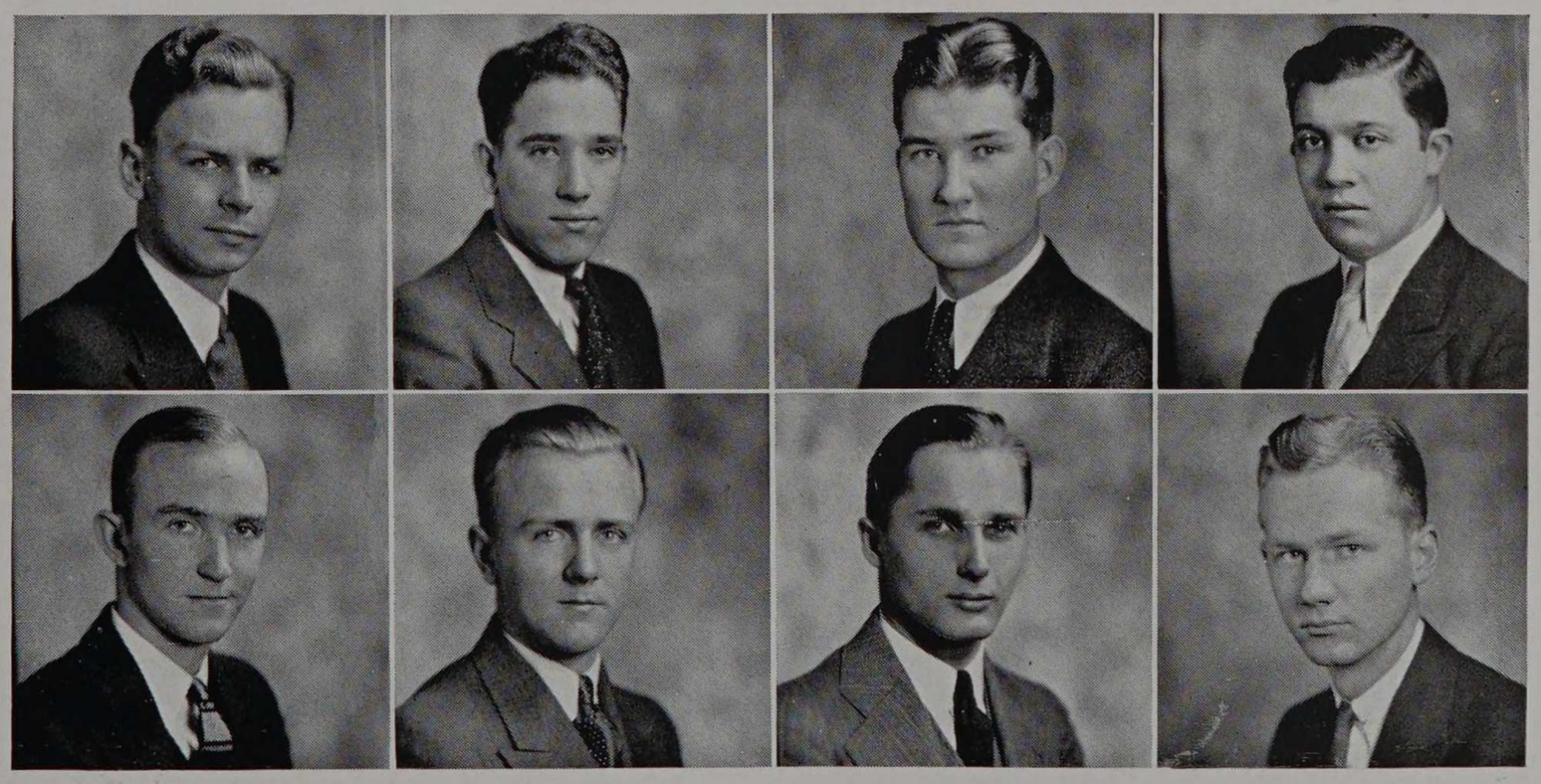


Jacobson, Streb, Wheaton, Bard
Biegler, Davis, Chadwick, Olson

THE ARMOUR ENGINEER

"The Armour Engineer," during the past year, celebrated its silver anniversary. In the development of this publication in the quarter century, no attempt was made toward standardizing it into a set and definite example of an engineering magazine.

Originating as a small technical journal, the articles of which were written solely by alumni and faculty members, the publication steadily developed until, in 1924, "The Armour Engineer" became a member of the Engineering College Magazines Associated. After remaining with this organization for eight years, during which time "The Armour Engineer" held a leading position with its contemporary publications, the Board of Control decided upon another step in the advancement of the magazine. This was the issuance of a more compact and improved type of publication.

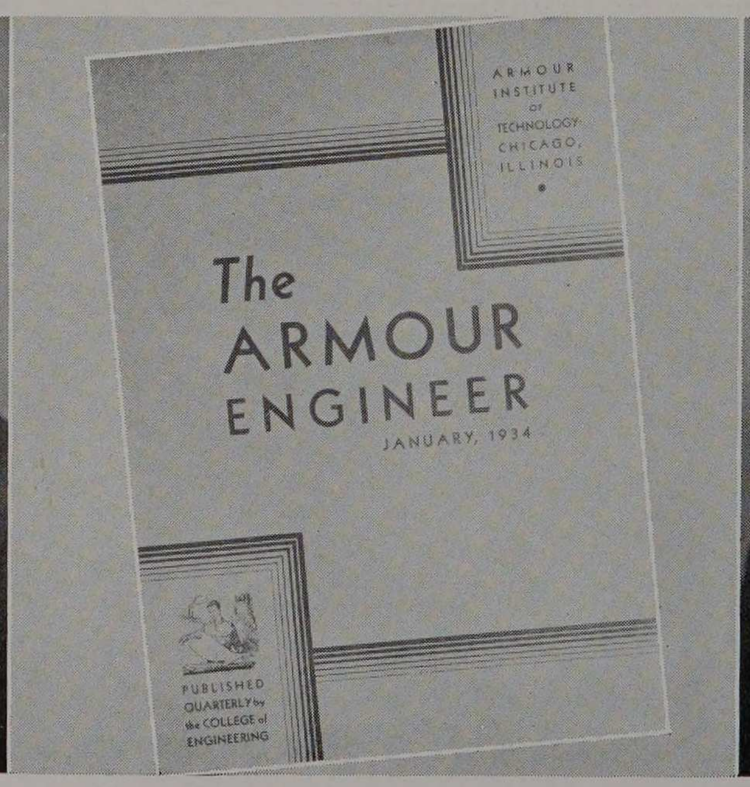
Two years ago saw this transition from a bulkier magazine to one that is smaller and more compact, yet which contains more reading matter than the previous type. This reduction in size necessitated the withdrawal from the E.C.M.A. Affiliations were made with the National Scholastic Press Association, and after one year's membership, in which time "The Armour Engineer" secured the highest rating obtainable from this organization, it was felt that little additional value with respect to content and make-up could be obtained, and membership was dropped.

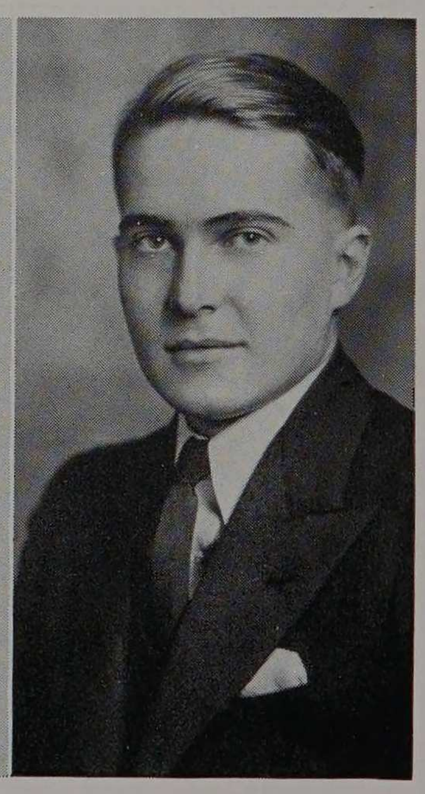
In the past year the faults, which naturally appear in making such a change in size, have, through careful observation, been eliminated. Color has been added to the cover, and a glossy type of paper has been substituted for the previous dull stock used. This latter change has allowed greater use of illustrations. Chief alterations in the make-up of the magazine have been the inclusion of a humor column and enlargement of the "College Chronicle" and "Alumni Notes" sections. It has been the endeavor to secure articles of the highest caliber.

It is felt that the past year has seen an improvement in "The Armour Engineer," and that this magazine continues to hold its place among the leaders of such student publications.



H. Kreisman





B. M. Kostenko

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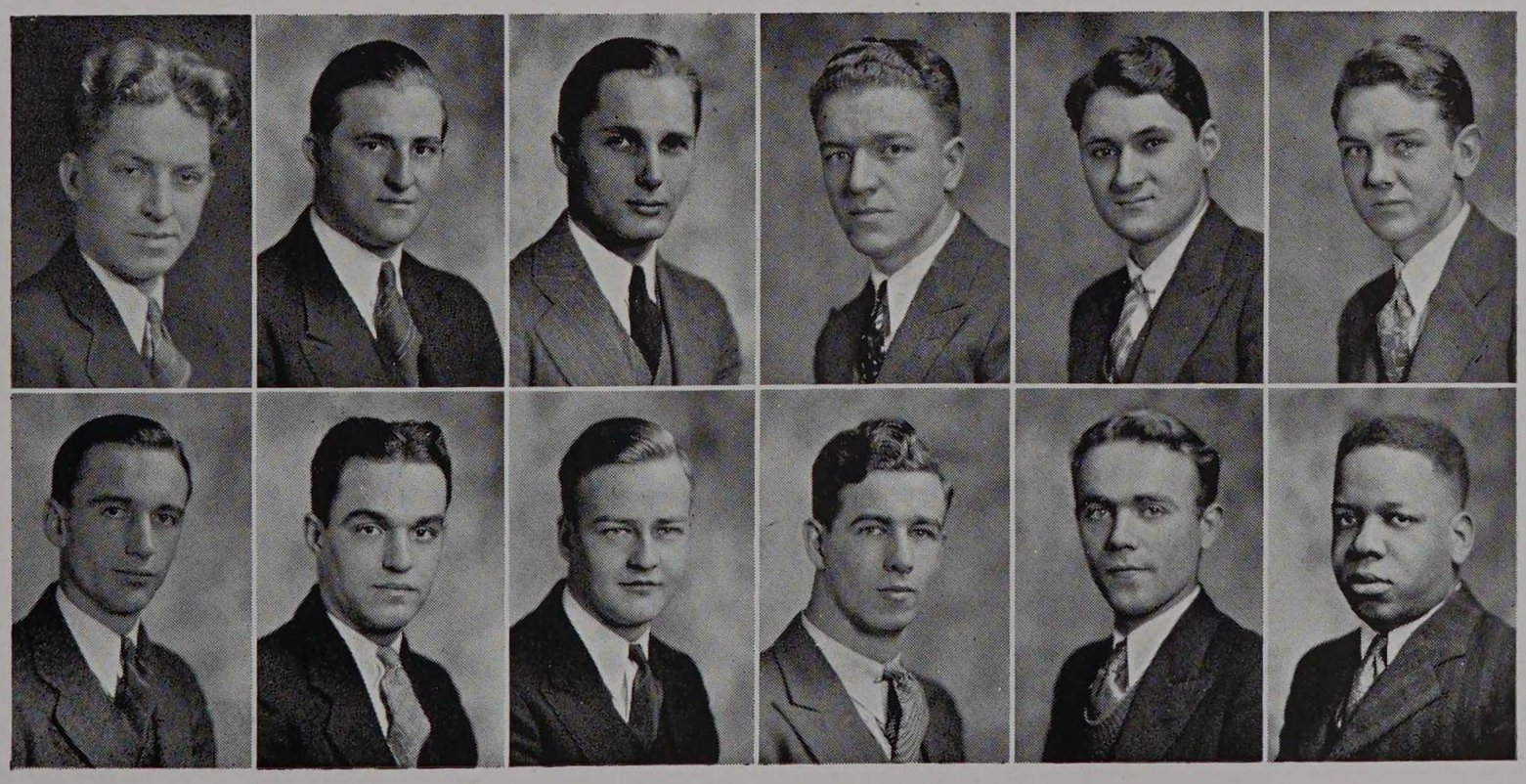


Gosswiller, Brenner, Chadwick, Polko, Hoyer, Doane
Gibian, Castanes, West, Patterson, Hausner, Meacham

ARMOUR TECH NEWS

The primary reason for the existence of a newspaper on the Armour campus is not to provide a laboratory course in journalism but rather to serve the school through the circulation of news that is of interest and importance to the students. Through the collection and publication of current campus information, the News acts to tie together the student body and the student activities.

The constant and punctual publication of a weekly paper, each week during the school year, entails a considerable amount of work on the part of the entire staff membership. No sweaters, letters, or charms are awarded for meritorious work. No member of the staff shares in the profits of the paper. Yet the fellows who put together this four or six page sheet seem to enjoy it. If they did not, they would not be doing it. The companionship of fellows interested in the same things and the satisfaction of a task well done are the twin rewards for services rendered.

The News is published with the idea of best serving the school, without clinging steadfastly to conventional journalistic standards. Yet it has received first class honor ratings by the National Scholastic Press Association for the past two years.

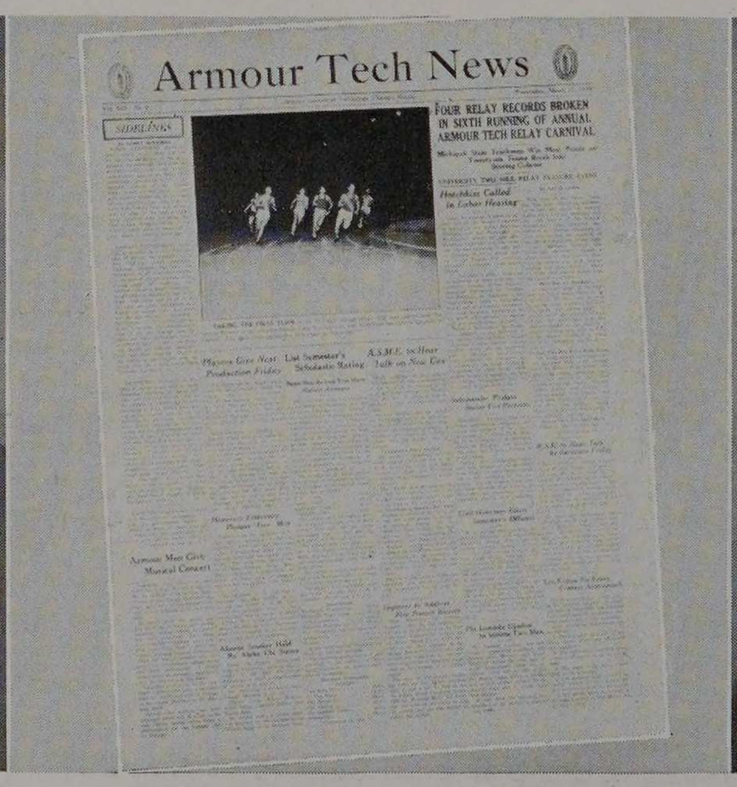
Although the primary reason for the existence of the Armour Tech News is the dispensing of information, yet it has made its voice heard and its influence felt in many phases of student life.

Just as the large daily papers are sometimes called the moulders of public opinion so might the Armour Tech News be considered the moulder of the student opinion. Thru the columns of the paper are expressed the ideas and ideals of the student body so that all may have a chance to read and know of them. It is, perhaps, in this manner that the Armour Tech News is of most service to its readers.

The News feels that in the dispensing of school information and in the expression of student ideas it supplies that necessary factor of coordination among the students which is essential in all phases of college life.



N. E. Colburn





C. W. Clarkson

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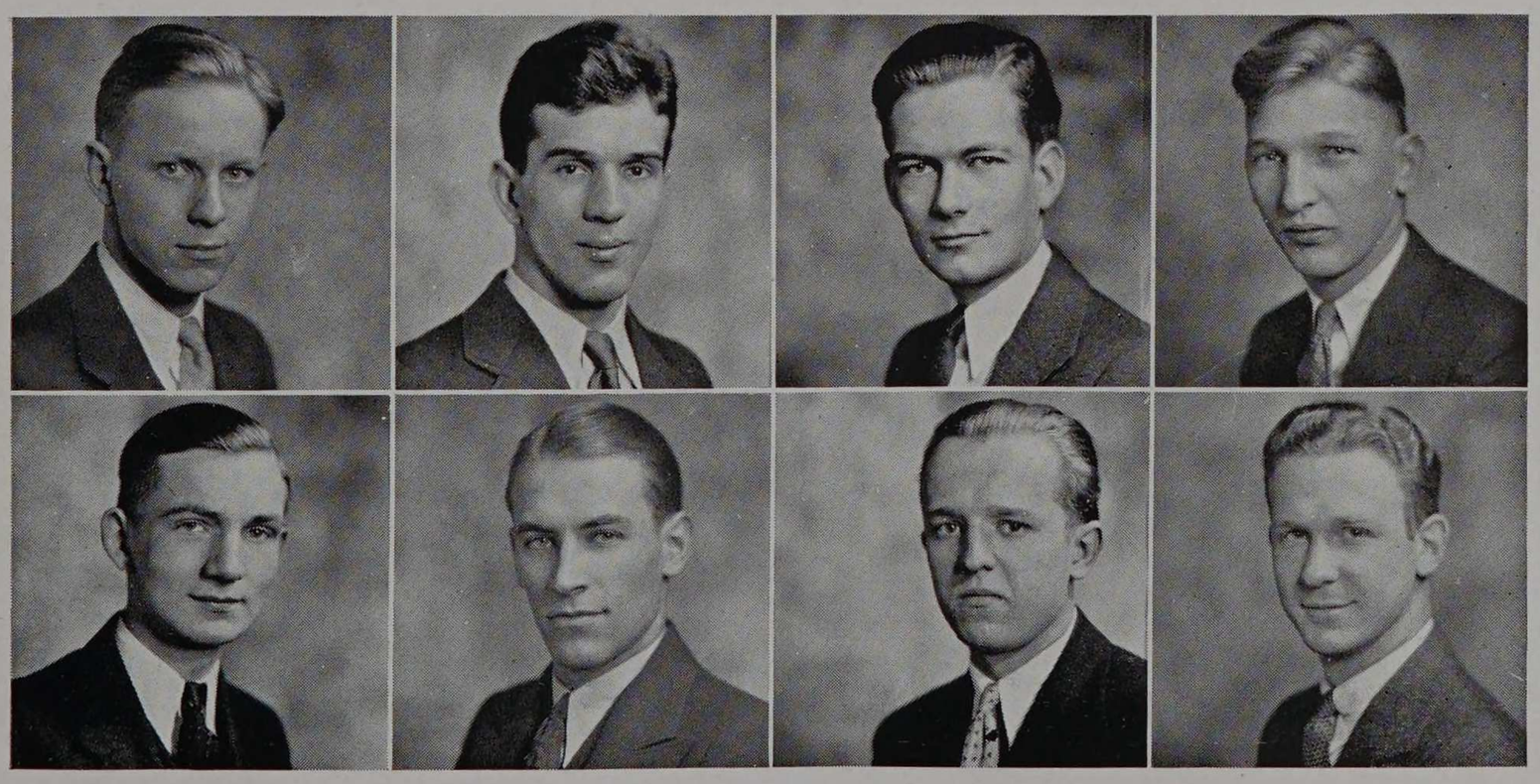


Schreiner, Bacci, Davidson, Fleissner
Searl, Armsbary, Svoboda, Headen

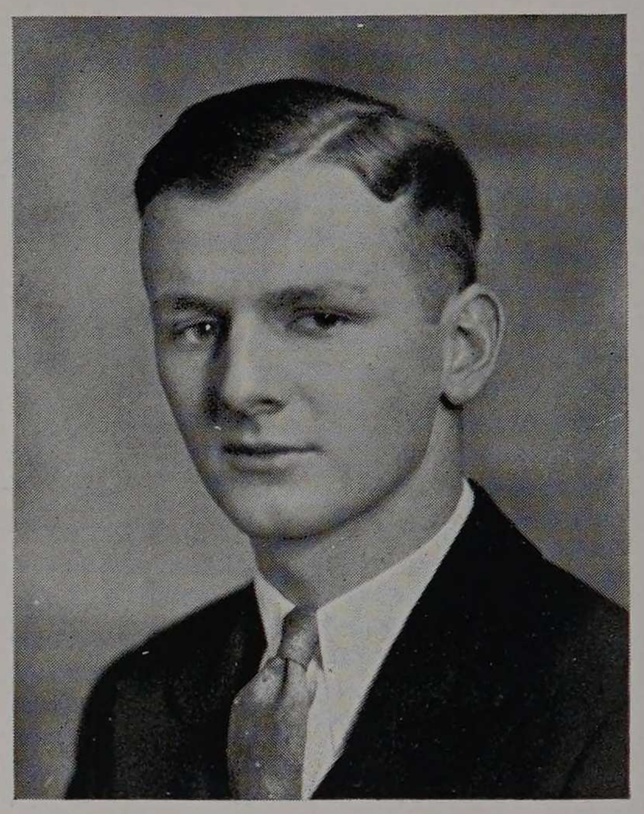
THE AMERICAN SOCIETY OF

The Armour Student Branch of the American Society of Mechanical Engineers has completed its second year operating under the new plan for student branches. The object of this plan, presented by the national society, is to foster a more intimate relationship between the student branch and the parent society.

The annual dues under this plan are considerably higher than formerly but there are also many more privileges. These include a membership card and pin, a subscription to the Society's monthly magazine, a reduction in the regular initiation fees, and participation in the annual student convention. The effect of the increased dues was to decrease the number of members actually in the student branch. However, more than half of the junior and senior mechanicals are now active members and all the mechanical engineering students are invited and urged to participate in all the activities of the society. So the Armour branch still operates in the interest of the whole mechanical department.

Meetings were held regularly every two weeks throughout the year. The programs were varied, interesting and instructive. The first meeting was a business session where the new plan was thoroughly discussed and finally enthusiastically approved.

The following meetings had one of these three attrac-



Robert W. Suman

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President

IRVING A. KOLVE
Secretary

JOHN B. LUKEY
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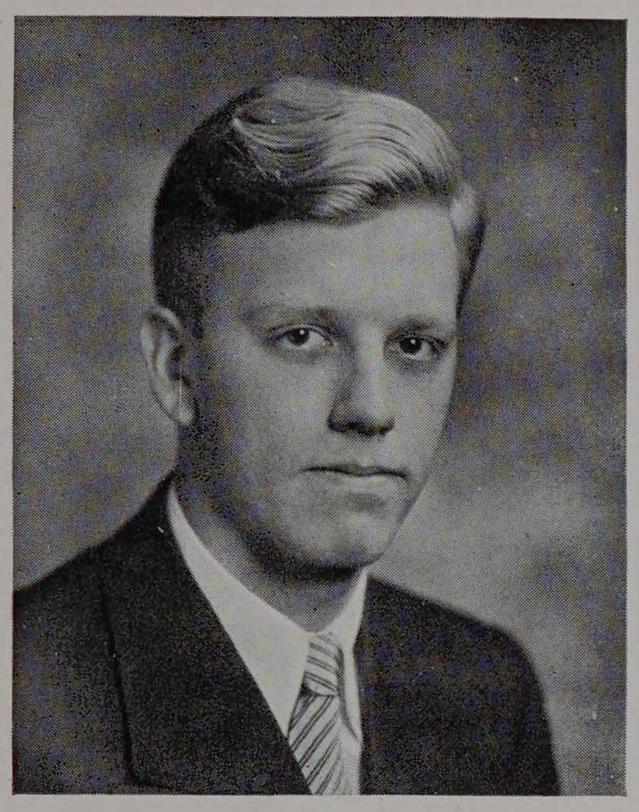
Henning, Ferrara, Huster, Ronowski, Fotter, McDonough, DeBoo, Stahl, Kreuzkamp, Shimkaitis, Hoffman
Hillman, Masure, Pinkus, Peebles, Nachman, Gebhardt, Libby, Roesch, Lebus, Kolve, Suman

MECHANICAL ENGINEERS



Irving A. Kolve

American Society
of Mechanical Engineers
Organized—1880
Incorporated—1881

Armour Branch
Senior Mechanical Club
Organized—1905
A.S.M.E. Charter—1909

tions; speakers, movies and slides supplemented by speakers, and students' talks.

The aim of the student branch in procuring speakers was to present outstanding men in various fields. The purpose of having these speakers was to have the students learn more of the extent and opportunities of the mechanical engineering field and to make contacts with practicing engineers. Several members of the faculty deserve a great deal of thanks for their efforts in obtaining speakers. They drew upon their acquaintance to present several very notable and prominent engineers. Their interest and help has been greatly appreciated.

The showing of films and slides was perhaps the most popular feature of the year's program. They were especially entertaining and instructive.

Realizing the importance of student participation, several meetings were held during the spring at which several students presented talks on various topics.

The social functions of the society consisted of the bi-annual smokers. The response to the smokers was immediate and enthusiastic. A surprisingly large majority of the faculty and students were present to enjoy the evening. At the fall smoker, plans were discussed for several inspection trips.

The Armour student branch of the A. S. M. E. has again proved of value to the undergraduates as another step in the education of the mechanical engineer.



A.S.M.E. Smoker

ARMOUR BRANCH OF THE AMERICAN

The Armour Branch of the American Institute of Electrical Engineers started this school year with a business meeting, held October 6, 1933. At this meeting it was decided to carry out the general plan of having lectures and demonstrations by guest speakers, and in addition have speeches presented by student members. With this in mind, a program committee of two Seniors and two Juniors was appointed, with instructions to secure the type of material best fitted to the needs of student Electrical Engineers. Subsequent events have proven that our program committee prepared the best and most liked meetings of any that have ever been held.

The first regular meeting of the branch was held on October 13, 1933. At this time Mr. Bracken of the Commonwealth Edison Company gave a very interesting talk on the part his company played in the Century of Progress Exposition. The subject was very timely, inasmuch as everyone present had spent the summer taking in the Fair. Mr. Bracken presented his material in a most interesting and instructive manner, revealing a close acquaintance with the many phases of power distribution and engineering.

The second meeting was held in the Assembly Hall on October 27, 1933. The Illinois Bell Telephone Company presented four reels of sound pictures, dealing



Stephen G. Lehmann

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Faculty Advisor



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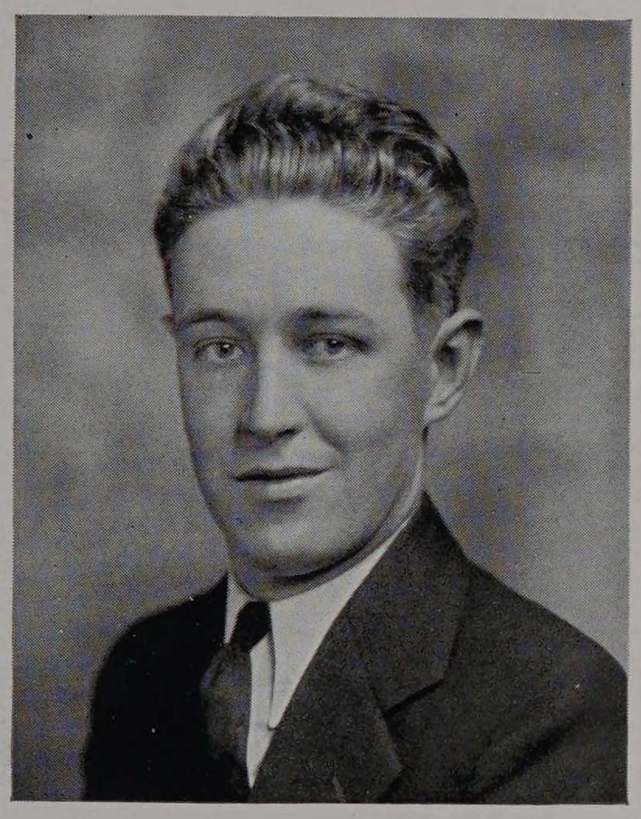
Ader, Hazleton, Cullen, Lundin, Larson, Murphy, Chadwick, Knudson, Gault, Varone, W. Knudson, G. Graham
Reichel, Mecklenburg, White, Petraitis, Baumel, Wertzler, Henoch, Flour, D. Moore, Huetten, Maurer
Galbraith, Hedlund, Aravosis, Nakayama, Wolf, Tamney, Laemmer, Gilmore, Thompson, Handler, Lamberg
Clarkson, Stanovich, Kazmierczak, Krok, Freeman, Lehmann, Morrissey, Friede, Petersen, W. Ahern, Bard

INSTITUTE OF ELECTRICAL ENGINEERS



John H. Morrissey

American Institute
of Electrical Engineers
Organized—1884
Incorporated—1896

Armour Branch
Organized—1903

with the commercial aspects of airport-airplane communication, the methods used in manufacturing telephone cable, and the use of modern communication devices in police work. The latter film was especially enjoyable in that it combined humor, fast action, and melodrama with the explanation of extraordinary communication systems.

At a third meeting, held November 24, 1933, the Westinghouse Electric and Manufacturing Company presented sound pictures dealing with recent developments in Electrical Engineering. It was with interest that we noted a large number of Mechanicals and Chemicals in the audience, proving, perhaps, that our branch of work is interesting to all engineers.

At following meetings, talks, pictures, and demonstrations of measuring instruments, radio tubes, cathode ray tubes, and many other devices were presented. All of these were arranged with the thought in mind of acquainting our membership with new developments in our line of work.

A Social Committee, appointed at a business meeting held November 10, 1933, arranged for the two social gatherings of the organization. The fall smoker, held at the Theta Xi house on November 23, 1933, was pronounced a huge success. Plans are being made for a spring smoker and for some sort of spring outing.



A.I.E.E. Smoker

WESTERN SOCIETY

One of the major advantages in attending an institution of repute for the acquisition of a professional education is to be found in the wealth of opportunities presented for intimate contact with the profession prior to completion of undergraduate study. The Armour Branch of The Western Society of Engineers offers one such opportunity to the student of Civil Engineering.

Founded here at the Institute in October, 1919, it has continued in the intervening years to afford the Civil Engineering student with the convenience of fostering direct contact with practicing engineers. This year many interesting and well-known speakers have addressed the organization.

Dean Penn was the first speaker of the year. On October 6th, Mr. Penn gave a most interesting discourse on "Engineering in the Netherlands." Dean Penn visited the Netherlands during the Summer of '33 and had returned from his trip but a short time before his talk. The subject was very well illustrated with innumerable recollections fresh in mind.

On October 20th, Mr. G. R. Rush of R. W. Hunt & Company spoke on "Concrete and Reinforcing Steel," a most educational talk in that it presented the viewpoint of the manufacturer of construction materials.

Mr. W. R. Boardman of the Chicago Bridge and Iron



John E. Schreiner

JOHN E. SCHREINER
President

GEORGE T. KORINK
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Scharringhausen, Rummel, Grakavac, Bolton, Nelson, Stevens, Wells, Ensz, Callen, Kostenko, West

OF ENGINEERS



George T. Korink

Western Society
of Engineers
Organized—1869
Incorporated—1880

Armour Branch
Armour Civil Engineering
Society—1906
W.S.E. Charter—1919

Works was the speaker at the next regular meeting of the Society. Mr. Boardman spoke on "Welded Steel Tanks," informing the Society of the increasing importance of welding in steel construction work. It was a very interesting matematical discourse on the economies effected in stress analysis in this particular field of design through observance of the mathematical properties of certain curvilinear surfaces.

Other guest speakers were Mr. T. L. Condron of Condron and Post, Consulting Engineers, who spoke on "A Century of Progress in Steel Design"; Mr. Henry Penn relating the "Romance of Steel"; Mr. E. T. Blix of the Mississippi Valley Structural Steel Co. who visualized, planned, and executed the construction of the unique Skyride at the World's Fair. Mr. Blix revealed the industrial, cooperative relationship needed to promote such a major project.

These talks were presented at meetings held bimonthly. Effort was made to secure speakers on subjects of varied interests, speakers who were capable practicing men in their field. The unusually large attendance at the meetings was a most gratifying expression of the appreciation and sincerity of the Society members.



W.S.E. Smoker

AMERICAN INSTITUTE

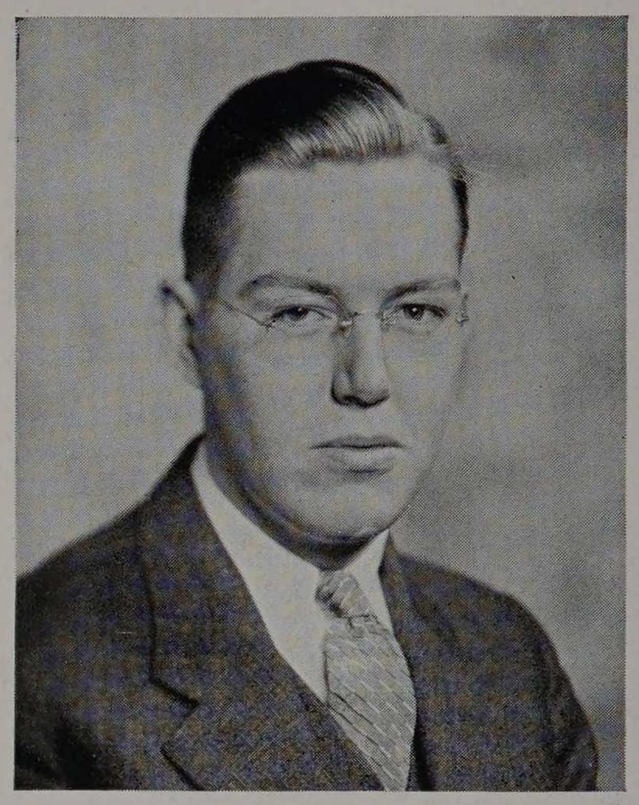
During the past college year the Beta chapter of the American Institute of Chemical Engineers enjoyed one of the most successful years of its existence. This was made possible not only by its good fortune in securing outstanding men in the field of Chemical Engineering to address the students of the organization, but also by the whole-hearted support of the upper classes.

The year's activities were formulated at the first meeting on October 6th. A speakers' committee was chosen from the most prominent men in the group to interview potential speakers. The men so interviewed were chosen because their various topics covered phases of Chemical Engineering on which the group was working at the time.

On October 27th the chapter had the privilege of hearing Mr. Alfred Putland, of Armour and Company's oil research laboratories, speak on the subject "The Refining of Edible Oils."

On November 24th, Dr. Stephen A. Zieman, of the University of Chicago, addressed the chapter on the subject "Vitamines," which proved to be highly instructive and entertaining.

Two inspection trips were held during the year from



Rolland McFarland

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President

JOHN HUMISTON
Vice President

RUSSELL MILLER
Secretary

ALFRED KAPECKI
Treasurer



Lillis, Williams, Maack, Omiecinski, Levy, Levin, Adamec, Schorling, Noerenberg
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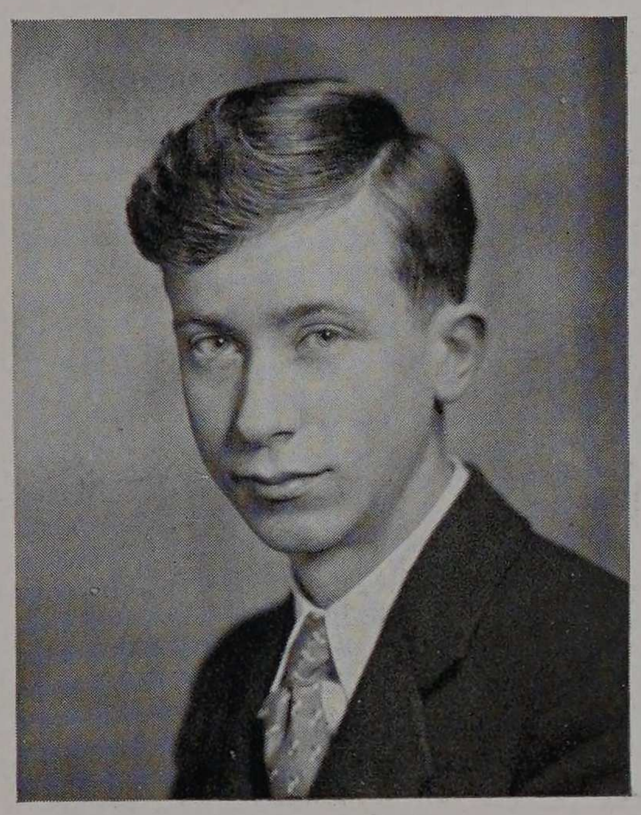
OF CHEMICAL ENGINEERS



John F. Humiston

American Institute
of Chemical Engineers
Organized—1908

Armour Chapter—Beta

Armour Chemical Engineering Society—1903

A.I.Ch.E. Charter—1923

which those attending received the utmost in benefit and pleasure. The first consisted of a trip through Montgomery Ward's chemical and testing laboratories, which proved to be highly beneficial as the newest methods of testing materials and appliances were demonstrated and explained. Through the courtesy of Mr. L. W. Van Doren, the counsellor for Alpha Psi, the local chapter of Alpha Chi Sigma, national professional chemical fraternity, the group was able to visit the Central Scientific Company, where the manufacture of scientific instruments of all kinds was demonstrated.

The yearly smoker was held on December 29th, at the Truss Club, where the trials and tribulations of student life were banished amid smoke, cards, and punch containing an indeterminable amount of alcohol, aldehydes, and ketones.

The competition for the Schmier Chemiker trophy has been very intense this year in the sense that everyone was exceedingly careful not to place themselves in a position which necessitated the wearing of the well known and feared symbol which designates the Schmier Chemiker, or man of sloppy technique.

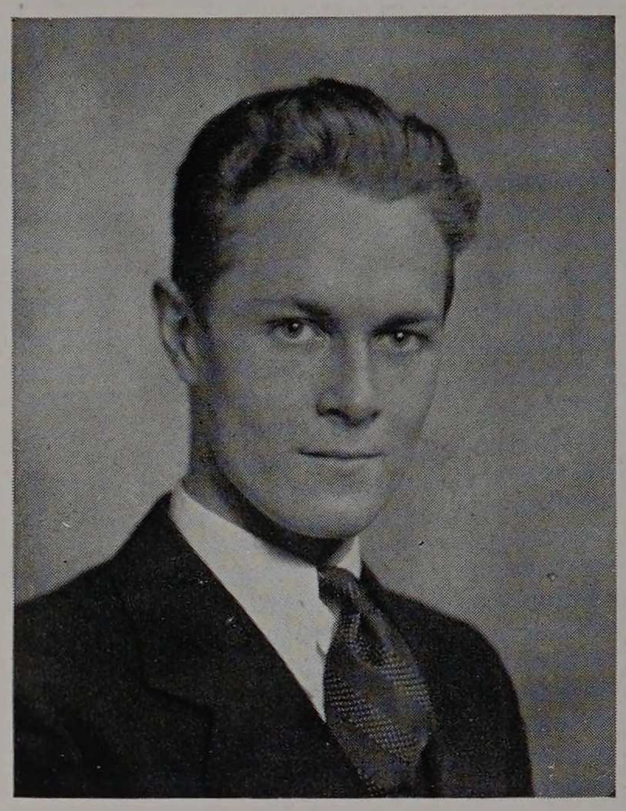
FIRE PROTECTION

The Fire Protection Engineering Society was founded at Armour in 1907. It was formed to supplement the course and promote interest in it by bringing the students into contact with men in the field, and also to promote fellowship in the department.

The contact with the men in the field is secured at the bi-monthly meetings of the Society. The speakers who are chosen for these meetings are specialists in the various phases of insurance and fire protection. The annual smoker in the spring helps a lot in the promotion of fellowship.

This year the Society was very fortunate in securing as its first speaker, Mr. Frank Erion, one of the foremost insurance adjusters in the United States. His subject was "The Adjustment of Fire Losses" and he told of some of the interesting experiences he has had in dealing with sprinkler leakage losses and also those due to serious hazards.

The second speaker was a man of national fame, Chief McAuliffe of the Chicago Fire Insurance Patrol. He gave an exceptionally fine address on "The Insurance Patrol and Its Functions" in which he told of the methods used in salvage operations in burning buildings. He then distributed some pamphlets he had written on the



Andrew J. Anderson

ANDREW J. ANDERSON
President

GERALD E. MYERS
Vice President

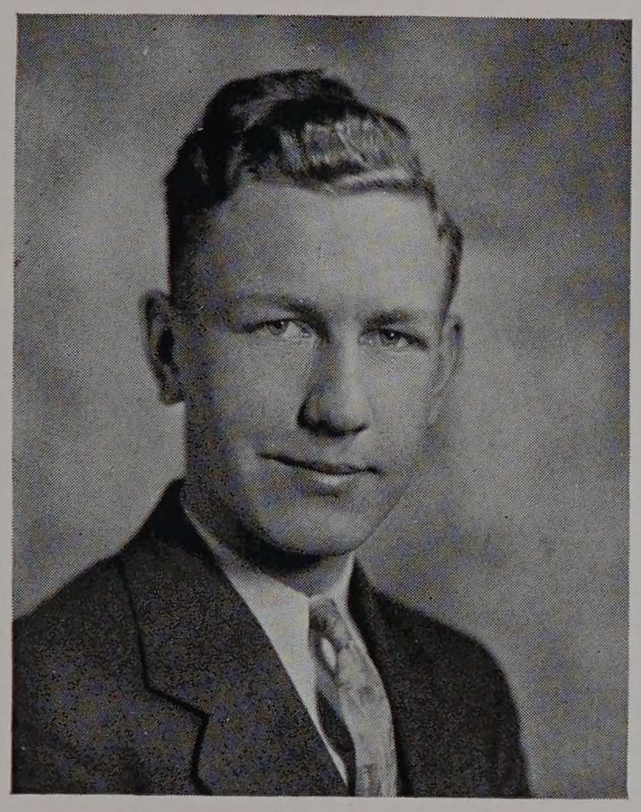
RONALD P. DOBSON
Secretary

ROBERT W. SWANSON
Treasurer



Biegler, Quandee, Broockmann, Horn, Peavey, Robinette, Searl, Bristol, Trudelle, Cunningham
DuSell, Stevens, Freeman, Hamlin, Knittel, Myers, Ahern, E. Johnson, Kerlin, Freilinger, Zibble
Davis, Ford, Hughes, Peterson, Timberlake, Freitag, Mills, Sachs, Lukas, Kuffel
Schrage, Harwood, Peterson, Davison, Anderson, Swanson, Dobson, Jacobson, Wheaton, Cannon

ENGINEERING SOCIETY



Robert W. Swanson

Fire Protection
Engineering Society

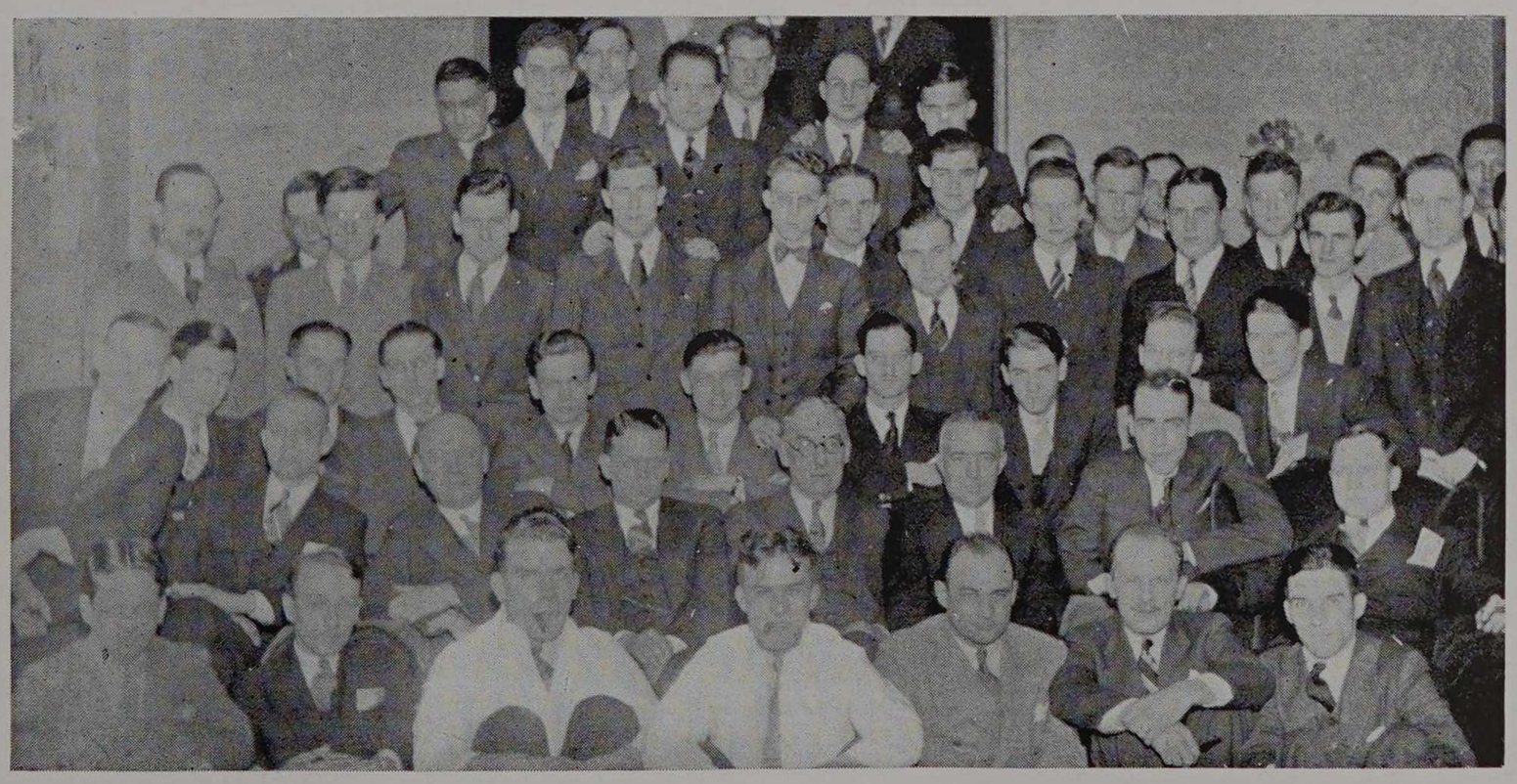
Organized—1913

Incorporated—1913

subject.

Another of the outstanding talks was one by Mr. Neele of the Chicago Board of Fire Underwriters on "Fire Prevention in Airplane Hangars."

The annual smoker had always been a gala occasion for the Fire Protects, and the one this year was no exception. Cares were thrown aside and Faculty, Seniors, and Freshmen mingled together in a joyous Monte Carlo atmosphere, all bent on having a good time. Anyone entering the Phi Kappa Sigma house after the affair was well under way, and seeing Mr. J. V. Parker kneeling on the floor shooting craps, would have a hard time believing he was the same man who calls some of us down to his office for interviews. When the cards and dice were cleared away, Mr. Parker and Professor Finnegan gave a few words of encouragement to the boys, and then Charles A. Cunningham, President of Salamander, presented Raymond A. Peterson with a copy of the Crosby-Fiske-Forster "Handbook of Fire Protection" for having obtained the highest average in the Freshman class of the department. Last, but by no means least, came the refreshments and as the members departed for home they chalked up one more successful social evening for the Society.



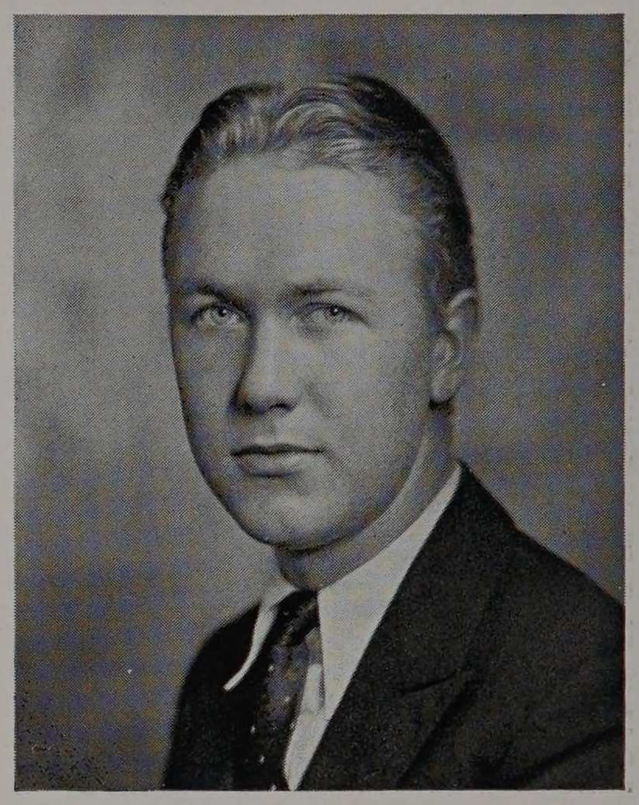
F.P.E.S. Smoker at the Phi Kappa Sigma House

ARMOUR ARCHITECTURAL

The Armour Architectural Society is a friendly organization composed of all the architectural students. It was founded not only as an incentive to urge the students ahead in their study of architecture, but also as a society to bring all the students of architecture into closer relationships with one another through its many social functions and activities.

At a meeting held early in the school year plans for a dance were formulated. A committee was appointed at this time to make arrangements, consisting of Walter Sobel, Lawrence Davidson, Stewart Granger, Malcolm Forsyth, and Robert Esbensen. The arrangements were made and on the evening of November 24th, the architects held their first dance in the Colonial Room of the Steuben Club with the music by Wilson-Barnett and their orchestra. The chaperons and guests of honor were Professor and Mrs. Spears, Mr. and Mrs. Suter, Mr. and Mrs. McCaughey, Professor and Mrs. Blough, Mrs. Saunders, and Miss Rawls. The dance proved to be a success from all standpoints and was without a doubt the outstanding dance of the year.

The A. A. S. also sponsored a "round-robin" basketball tournament between the four classes, the winning team to receive a lead pipe trophy. The Sophomores



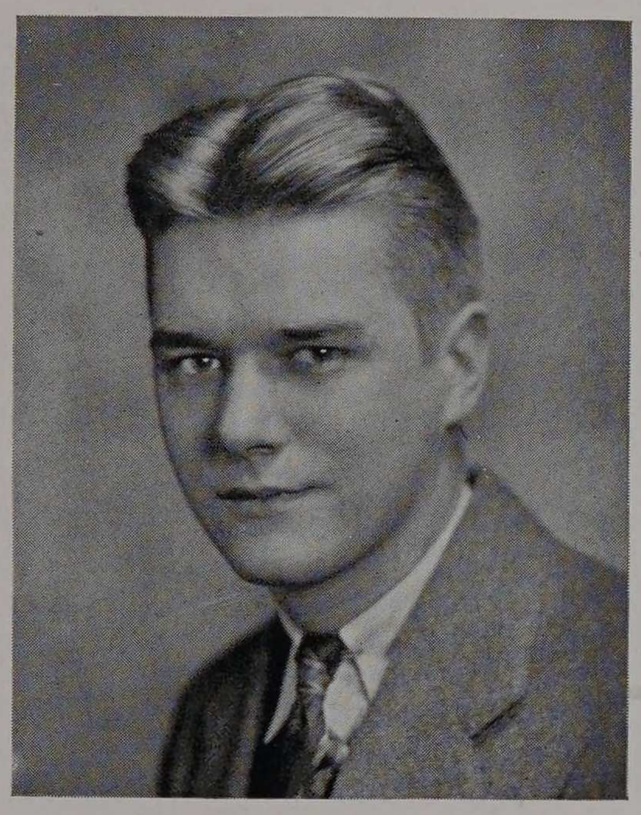
Robert E. Esbensen

ROBERT E. ESBENSEN
Massier

MALCOLM C. FORSYTH
Sous Massier



Armour Architectural Society



Malcolm C. Forsyth

Armour
Architectural Society

Organized—1924

finally won by defeating all of their three opponents in close battles.

Besides these activities which were more or less recreational the Society presented prominent speakers and lecturers, whose subjects dealt closely to architecture. The lectures included talks on "Portland Cement," "Lumber," "Limestone," "Steel," etc. A trip through the Chicago Lighting Institute was also made by the Society.

The second semester of the school year was opened with a smoker. At this event a prominent architect of Chicago gave a "sketch talk." A second dance was arranged by popular demand, and this dance was equally as successful as the first "Arx" Dance.

The climax of activity of the A. A. S. came in the annual initiation festivities. These took place in the spring. One afternoon was set aside for the general initiation, after which the annual banquet was held with another prominent architect as the guest speaker. This day will be long remembered as a gala affair. Each freshman made two paddles with which the embryo architects were warmly accepted into realms of the Armour Architectural Society.



Scarab Smoker at the Delta Tau Delta House

GLEE CLUB

OFFICERS

O. Gordon Erickson . . . . . Director
John L. Brenner . . . . . President
C. Roy Johnson . . . . . Secretary
Roy C. Wittekindt . . . . . Business Manager

The Glee Club, rapidly becoming one of the outstanding organizations at Armour, by means of the radio and concert stage, has proved to a huge audience that although a school of engineering, Armour has not lost sight of the necessity for the development of the appreciation for the finer arts.

Under the direction of its great and popular director, Mr. O. Gordon Erickson, the Glee Club presented an unusually varied program, songs ranging from classical and sacred selections to the latest of the popular, having been given at their various concerts. To further vary the program, soloists from the Glee Club have also been developed and presented by Mr. Erickson. Alexander Kulpak, baritone, and Robert Nystrom, tenor, have sung the solo parts during the past year.

One of the outstanding musicians at Armour will be lost to the Glee Club by the graduation of Theodore Wallschlager. This talented pianist-organist, a hard working and loyal member of the musical organizations, will be very hard to replace indeed.

To Clarence W. Clarkson, President of the Armour Tech Musical Clubs, a large portion of the credit must go for the success of both the Glee Club and the Orchestra.



Wolniak, Schmidt, Robbie, Howell, Hoffert, Alt, Wittekindt, Schwarz, Brenner, Lang, Kraemer, Ader, Trzyna
Sobel, Grakavac, Dobson, Simpson, Hillman, Knabe, Maci, Zwissler, Mijanovich, Doudera, DeBoo, Westerman
Huster, Leason, Simek, Johnson, Schreiber, Nelson, Kulpak, Paslawsky, Graham, Nystrom, Smith, Martin
Savidis, Tamney, Emmerich, Berger, Ormsby, Nieman, Wheaton, Clarkson, Engstrom, Breh, Zibble

ORCHESTRA

OFFICERS

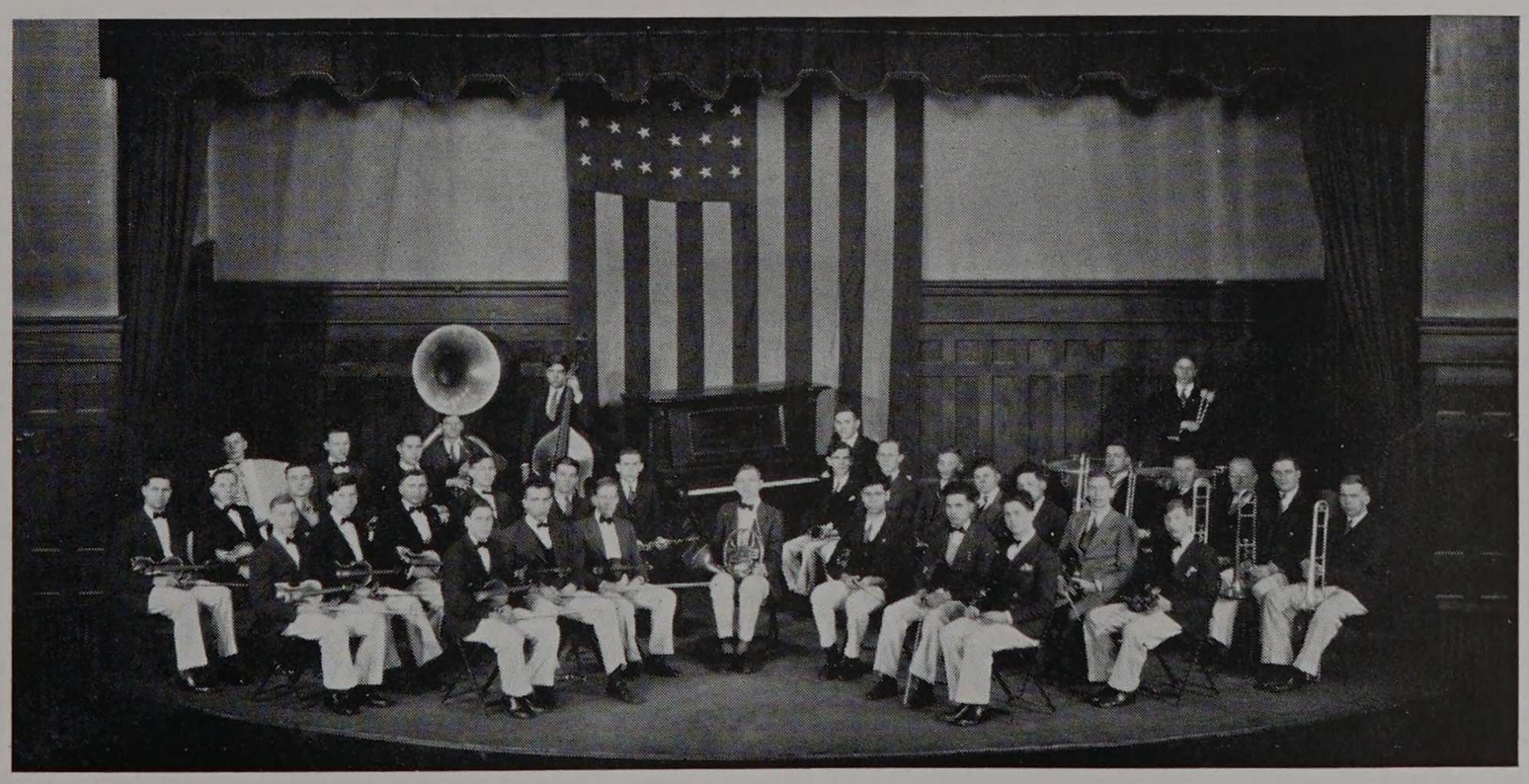
O. Gordon Erickson . . . . . Director
Harold W. A. Davidson . . . . . President
Alexander Kulpak . . . . . Secretary

Under the direction of Mr. O. Gordon Erickson the end of this year brings to a close another successful orchestral season by the Armour Orchestra. Never before has the orchestra been able to present such a well balanced program of entertainment both from the musical and technical standpoint.

The Orchestra, numbering approximately fifty members, presents a well balanced organization from the standpoint of instrumentation. Under the guidance of their director, technique and finish has received considerable attention so that a constant improvement in the rendition of difficult numbers has been marked since Mr. Erickson took charge two years ago.

Soloists from the orchestra have also been presented; Willis Kraemer, trombonist, and Bertram Heine, piano-accordionist, having proved themselves popular concert artists.

The Orchestra has time and time again proven itself a loyal and indispensable organization here at Armour. A band was needed for the Armour Tech Relays, and as there was no such organization at Armour, all members who played band instruments in the Orchestra found one and under the leadership of Mr. Erickson rehearsed evenings after school and then gave a satisfactory performance at the University of Chicago Field House.



The Orchestra

THE CAMPUS CLUB

OFFICERS

JOHN A. CRAMER
President

WALTER H. BOTTELSEN
Recording Secretary

GEORGE H. ADRIAN
Vice President

FRED J. MEYER
Executive Secretary

Since 1927 the Campus Club, an organization open to all students of Armour, has offered the student an opportunity to cultivate closer social contacts with those members of the college enrolled in other courses. The purpose of the club is to offer the student body a place where a general get-together may be held at various hours during the day. Due to the convenience of the club rooms, in Chapin Hall, one can always be assured of finding a fourth hand at bridge, a ping-pong partner, a fellow billiard player, or a chess companion. For those who care for none of the above mentioned amusements there are always numerous opportunities for a good old fashioned session, the choice of subjects being limited to practically everything under the sun, moon, or stars, depending upon the hour.

During the baseball season the radio offers up to the minute results on the progress of the favorite teams, and a widely diversified opinion of the value of a favorite player gives abundant material for debate.

Starting the social season with a bang the Campus Club in league with the social fraternities, entertained the Frosh with the annual Freshman Handshake. Following this successful event an initiate smoker was held in October; the enthusiasm resulting from this meeting caused several other smokers to be given. A new plan is being developed by the officers of the society which, if successful, will make possible more smokers in the near future.

The club extends a hearty invitation to all visitors at all times. Come on up! Watch the exhibition ping-pong games, or join the members in a game of billiards, or bridge. The latch string is out.



Laestadius, Lester, Bill, Spangler, Malovac, Omiecinski, Beckman, Patterson, Edgren, Mezera, Aravosis, Hausner
Leonas, Lodeski, Adrian, West, Thomsen, Nelson, Anderson, Bolton, Doudera, Englander, Galandak, Kostenko
Kazmierczak, Krok, May, Tamney, Viktora, Mangold, Cramer, Meyer, Smetana, Schmidt, Harwood

RIFLE CLUB

OFFICERS

President ..... Arthur Marow
Secretary-Treasurer ..... William Henning
Manager ..... Richard Harwood
Team Captain ..... Elmer Renstrom
Range Officer ..... Joseph DeBoo

The Armour Tech Rifle Club, although one of the youngest organizations, is one of the most outstanding at Armour. It has lived up to its founder's purposes; that of encouraging competitive matches with teams throughout the country and the teaching of the safe use of fire-arms.

Recognition by the A.T.A.A. in the awarding of sweaters and letters and the support of the student body have shown that it is an integral part of Armour's activities.

The team, which is one of the best in the country, has been very successful in "big time" competition. For the fourth consecutive year it is headed toward the Illinois State Championship. A little hard luck at the beginning of the season made it possible for the Humboldt Park Gun Club to win this year's team trophy match. Steady improvement, however, showed victories over the New York Stock Exchange, Appleton Rifle Club, Ohio State University, University of Michigan, University of Minnesota, and Lawson Y.M.C.A.

The Club's equipment was materially strengthened by the acquisition of a new Winchester target rifle. With this addition, the use of the range has been extended to its full length. The range is now located in the basement of Chapin Hall.

The Club participates in shoulder to shoulder matches or exchange score cards by mail with those teams with which it is impossible to meet in personal matches. The Armourites favor the former type of competition. It is hoped that more of the future matches will be of this form.



Hanes, Waldmann, Saltzman, Bradac, Moore, Maci, Wichlacz, Folkrod
Marow, Sachs, Harwood, Jones, Henning, Fotter, Renstrom, DeBoo

TRUSS CLUB

OFFICERS

Leo J. McDonald ..... President
Curtis W. Thomas ..... Secretary
Ralph W. Stahl ..... Treasurer
Prof. Charles R. Swineford ..... Faculty Member

As the present college year draws to a close, the Truss Club concludes its tenth year of successful operation as an organization on the Armour campus.

The Truss Club was founded in the fall of 1924 by a group of Senior students in the department of Civil Engineering. The basic purpose of the organization is to unite men of good scholastic standing and good personal character into a closer union whereby mutual benefits may be derived by all, and to form a closer bond between Armour Institute and its members.

The social calendar has been dotted with Alumni Smokers, Radio Dances, Bridge Parties, and get-together dinners. These activities were conducted in the club rooms because of the accommodations and because of the degree of informality which they afforded. These affairs provided evenings of real entertainment and enjoyment and afforded splendid social contacts.

The spirit of friendship and comradship manifested by the members has been invaluable and has aided materially in drawing another pleasant year to a close.

It is the aim and delight of the Truss Club to work in union with other organizations, work in harmony with the school, and to uphold the morale and broaden the scope of educational and social activities.



Thomas, Williams, Bradac, Danovsky, Peterson
McDonald, Swineford, Stahl

ARMOUR PLAYERS

The Armour Players, with Professor Walter Hendricks as sponsor, carried a cast of about twenty-five members during the year. The Players met every Monday, Wednesday, and Friday for rehearsal in the assembly hall. At the first meeting the following officers were elected: Alexander Kulpak, president; Diamond S. Dickey, secretary; Carl Schermer, treasurer; and Clarence Clarkson, producer. "The Three Little Shepherds" was the play chosen for the first performance. It had an all star male cast which included Sidney Kreimen, Carl Schermer, Sydney Meiner, and John Graf. Due to the hard work done on the production by Professor Hendricks and the cast, it was very well received by the students.

The greatest achievement of the Armour Players during the whole year and in the history of Armour was the presentation of Edmond Rostand's "Romances." The play was given in the spring of the year and was well attended by the students and the faculty. Clarence Clarkson, Sydney Meiner, Carl Schermer, Sidney Kreimen, and Harry Tice all gave sterling performances which helped to put the play over.

CHESS CLUB

The Armour Tech Chess Club was founded two years ago under the guidance of Professor Ensz and the sponsorship of the Campus Club. The purpose of the club is to form a means of diversion and recreation for those who have learned to appreciate the game and also to help the beginners in mastering its intricacies.

Chess matches have been held with various schools and clubs such as Crane Junior College, Wheaton College, Oak Park Chess Club, and the South Side Chess Club. When the matches are held on the home grounds the teams play in the rooms of the Truss Club. The practice sessions of the club are usually played in the large drafting rooms in Chapin Hall.

The Armour Chess Club is now a member of the Illinois Chess Association. Membership in this association entitles the club to compete in tournaments sponsored by the association and each member of the club receives a monthly chess bulletin. The members of the club are rated by means of what is known as the "Perpetual Tournament Table." This table was compiled by E. G. Short.



E. Hoyer, Kreiman, I. Thunder, Brenner, Emmerich, Schulz, Suhr
Sobel, Paslawsky, Haase, Miner, Kubert, Ayer, W. Hoyer
Shermer, Kulpak, Hendricks, Clarkson, Dickey, Lischer

INTER-HONORARY FRATERNITY COUNCIL

Norman E. Colburn ..... President

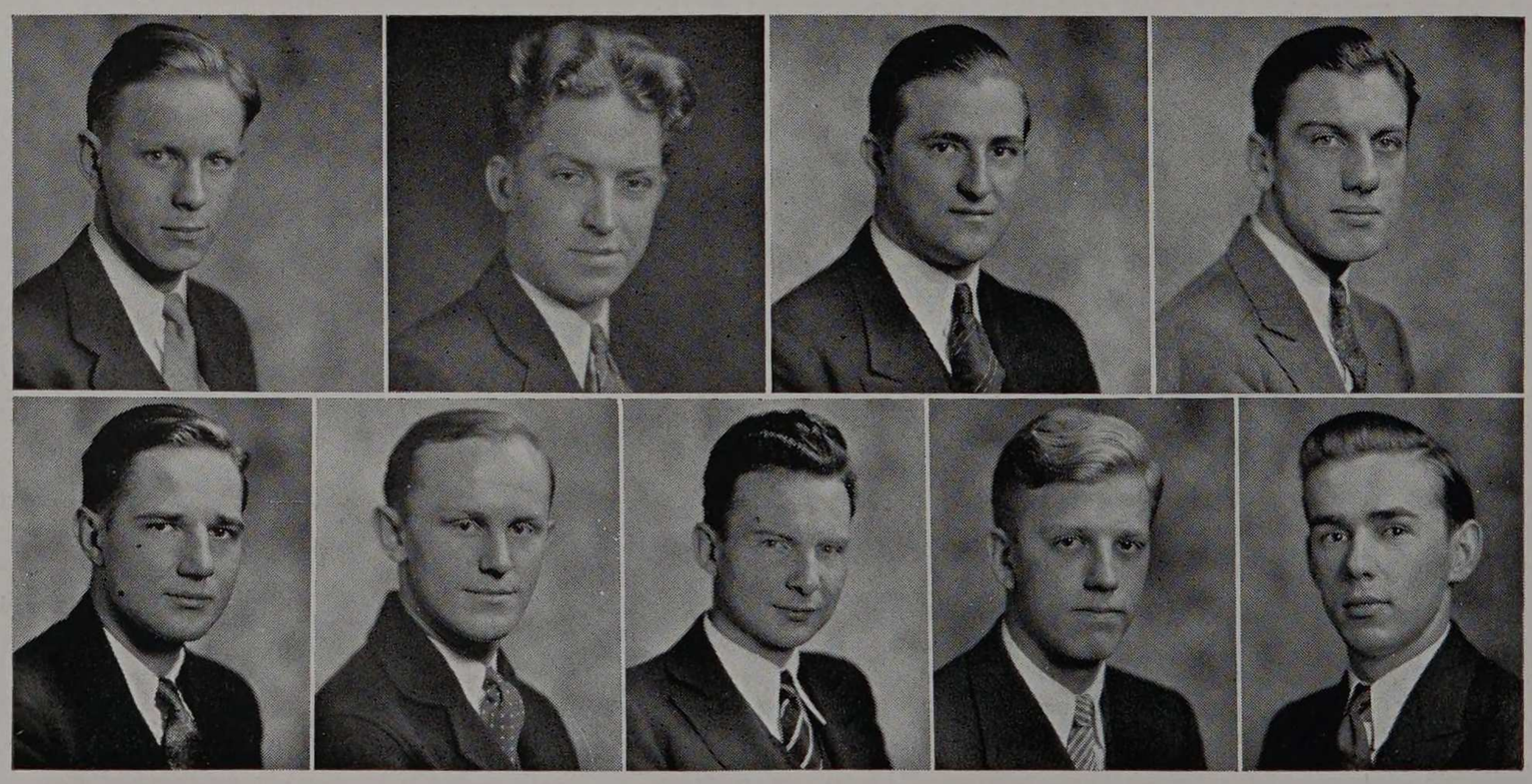
REPRESENTATIVES

Tau Beta Pi	Norman E. Colburn
Sphinx	Norman E. Colburn
Eta Kappa Nu	Paul J. Thompson
Phi Lambda Upsilon	Walter E. Gunderson
Chi Epsilon	John E. Schreiner
Salamander	Charles A. Cunningham
Pi Tau Sigma	Earl W. Gosswiller
Pi Nu Epsilon	John L. Brenner
Black Knight	Irving A. Kolve
Honor A	Leonard G. Rummel

The Inter-honorary Fraternity council is composed of a representative from each of the honorary fraternities; Tau Beta Pi, the departmental honoraries, Sphinx and Pi Nu Epsilon. This organization was founded in the fall of 1927 for the purpose of providing a link or common meeting place for the honorary fraternities and serves as a deciding point from which they act as a single unit in any common interest.

The Council has charge of two major social events. The Annual Honorary Banquet is held during the first semester and the Annual Honorary Dance during the second semester of the college year.

Although the existence of the Interhonorary Fraternity Council has been comparatively short, it has fulfilled its original purpose for organization. It has brought about a closer cooperation between the various honoraries and has earned and received the support and attendance of the alumni.



Schreiner, Gosswiller, Brenner, Gunderson
Rummel, Thompson, Cunningham, Kolve, Colburn

BLACK KNIGHT

Established 1932

HONORARY MEMBERS

Henry T. Heald

Philip C. Huntly

John C. Schommer

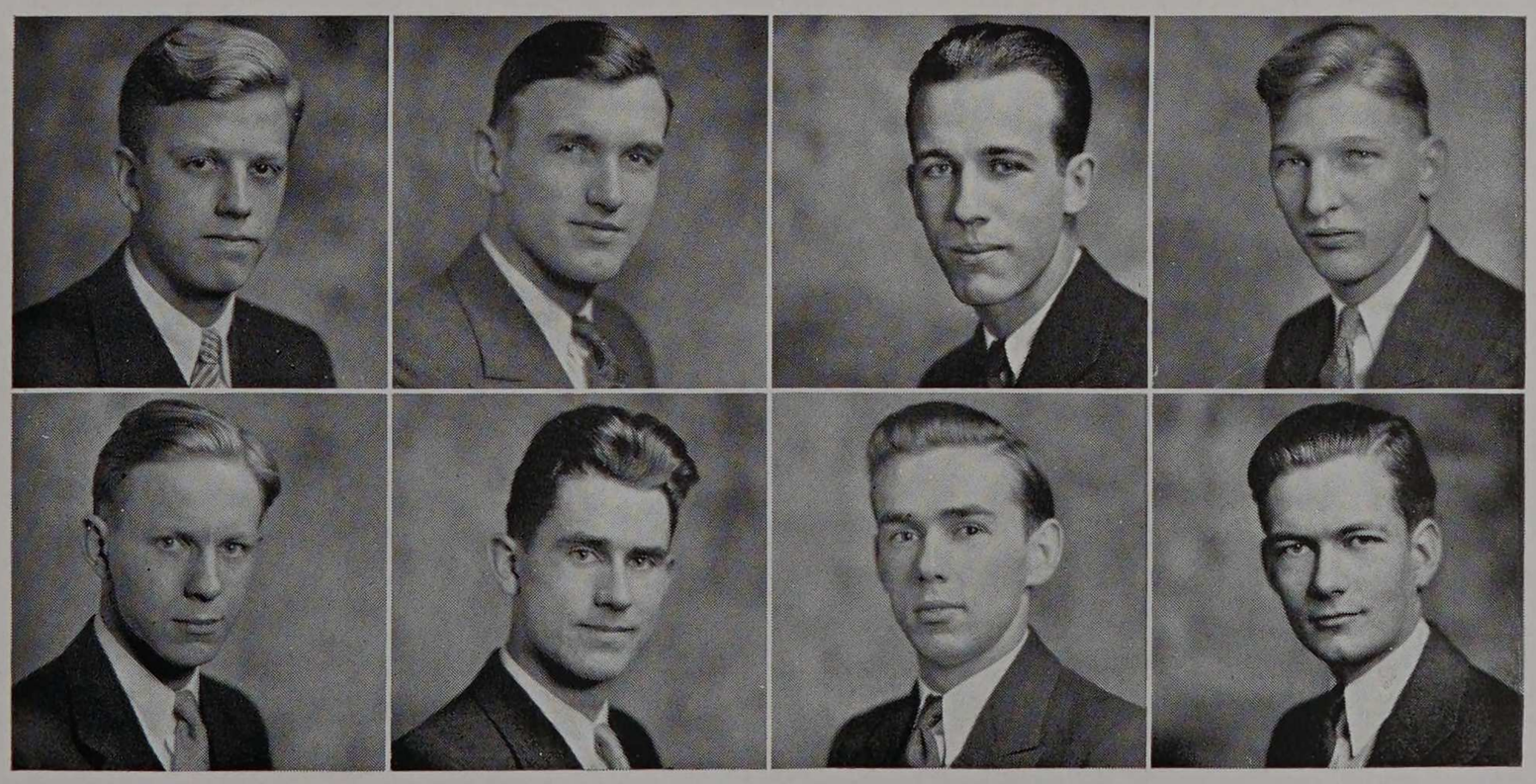
CHARTER MEMBERS

Orville T. Barnett
Roy W. Carlstrom
Carl N. Clanton
Wilfred W. Davies
James W. Juvinall
William W. Lange
Franklin W. Paine
Jarl T. Sorensen

ACTIVE MEMBERS

Norman E. Colburn
Harold W. A. Davidson
Raymond A. Fleissner
Lawrence Frateschi
Irving A. Kolve
Stephen M. Lillis
Michael A. Lukas
Raymond J. Pflum

John E. Schreiner



Kolve, Lillis, Pflum, Fleissner
Schreiner, Lukas, Colburn, Davidson

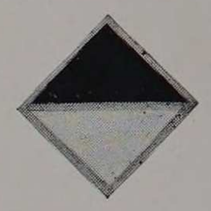


TAU BETA PI

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
Eldon C. Grafton
Henry T. Heald
Philip C. Huntly
William C. Lautz
Charles W. Leigh
Edwin S. Libby
David P. Moreton
Henry L. Nachman
James C. Peebles
John C. Penn
Robert V. Perry
Donald E. Richardson
Daniel Roesch
Sholto M. Spears
Van Baumen Teach
Ernest E. Tupes
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.

ACTIVE MEMBERS

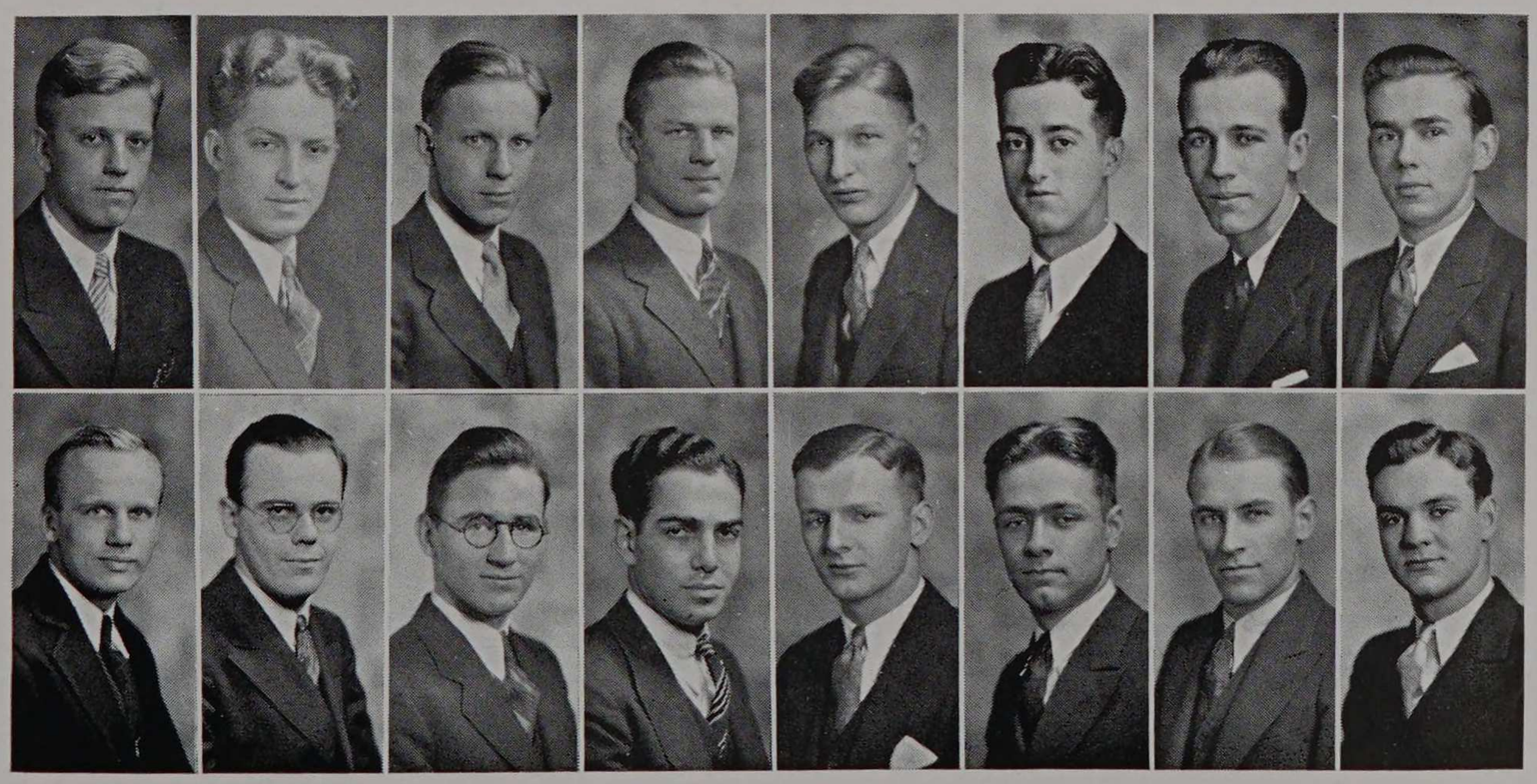
John J. Ahern
Richard D. Armsbury
Norman E. Colburn
Raymond A. Fleissner
Earl W. Gosswiller
Clarence Huetten
Irving A. Kolve
Herbert Kreisman
Nicholas H. Kuehn
Stephan G. Lehmann
Elmer G. Lundin
Leo J. McDonald
Raymond J. Pflum
John E. Schreiner
Carl L. Shermer
Robert W. Suman

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.



Kolve, Gosswiller, Schreiner, Lundin, Fleissner, Kuehn, Pflum, Colburn
Shermer, Lehmann, McDonald, Kreisman, Suman, Huetten, Armsbary, Ahern



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
William W. Colvert . . . . . Associate Professor of Physics
Eldon C. Grafton . . . . . Associate Professor of Structural Engineering
John F. Mangold . . . . . Associate Professor of Mechanics

CHARTER MEMBERS

H. Ralph Badger
Austin Crabbs
Donald S. 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.

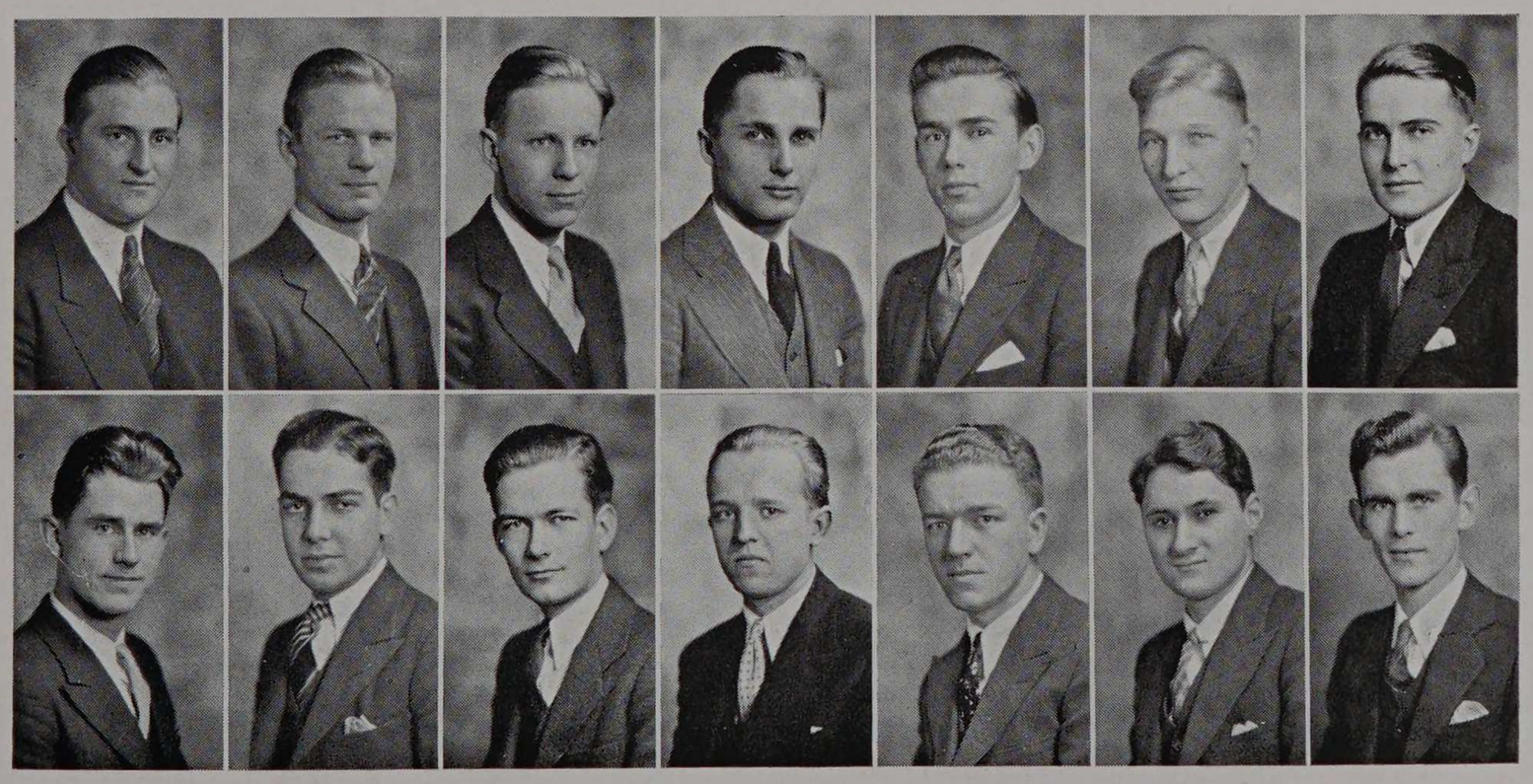
The society was formed with the purpose in mind of fostering and promoting the publication work at Armour and to serve as an honor society for services rendered to the Institute through the publications.

ACTIVE MEMBERS

Edward G. Avery
John L. Brenner
Donald N. Chadwick
Norman E. Colburn
Harold W. A. Davidson
Raymond A. Fleissner
William A. Hoyer
Barry M. Kostenko
Herbert Kreisman
Michael A. Lukas
Elmer G. Lundin
Peter P. Polko
John E. Schreiner
Emil A. Svoboda
Howard J. Zibble

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.



Brenner, Lundin, Schreiner, Chadwick, Colburn, Fleissner, Kostenko
Lukas, Kreisman, Davidson, Svoboda, Polko, Hoyer, Zibble

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. McClune, Jr.
William J. Nerille
Olin L. Richards
Edward B. Sherwin

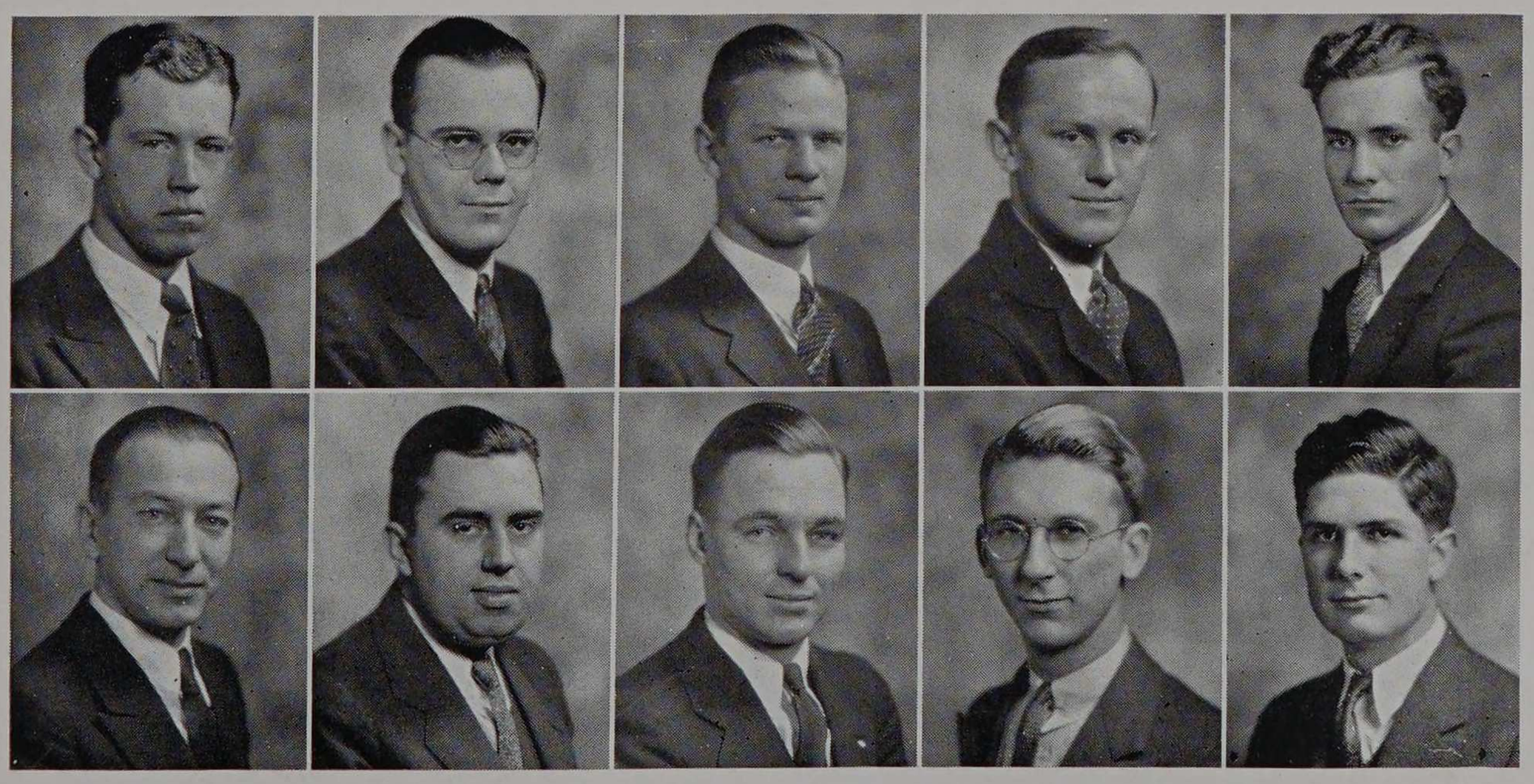
It was on October 28, 1904, that Eta Kappa Nu was organized by ten progressive students in the department of electrical engineering at the Universiy of Illinois. Realizing the benefits to be derived from such an organization and the necessity for binding together the outstanding members of each class, these students made the necessary steps for its organization. The society now includes twenty-two active chapters and nine alumni chapters.

ACTIVE MEMBERS

William B. Ahern
Glen F. Graham
William W. Laemmer
Stephan G. Lehmann
Elmer G. Lundin
Thomas F. Murphy
John T. Paslawsky
Paul J. Thompson
Arling M. Wolf
Donald E. Young

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.



Murphy, Lehmann, Lundin, Thompson, Graham
Paslawski, Laemmer, Wolf, Ahern



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 . . . . . Associate Professor of Chemcal Engineering
Arthur H. Carpenter . . . . . Associate Professor of Metalurgy

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.

ACTIVE MEMBERS

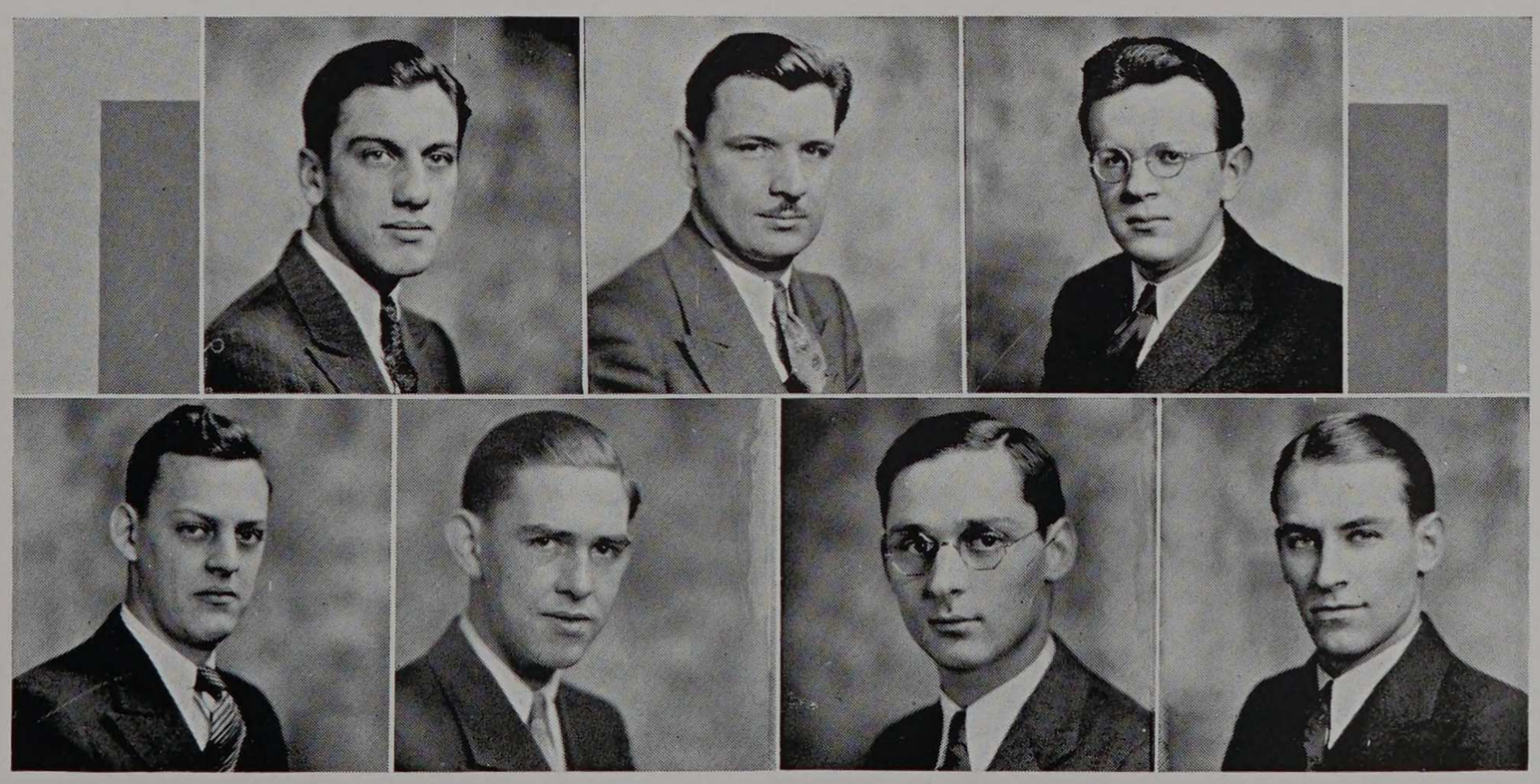
Kenneth C. Eberly
Walter E. Gundersen
Raymond W. Marty
Daniel J. Mullane
Fredrick C. Noerenberg

PLEDGES

Richard D. Armsbury
Alfred F. Kapecki
Elmer P. Renstrom
Jack N. Weiland

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.



Gunderson, Kapecki, Noeremberg
Renstrom, Mullane, Marty, Armsbary



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
Sholto M. Spears . . . . . Assistant Professor of Civil 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. Huntly . . . . . 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.

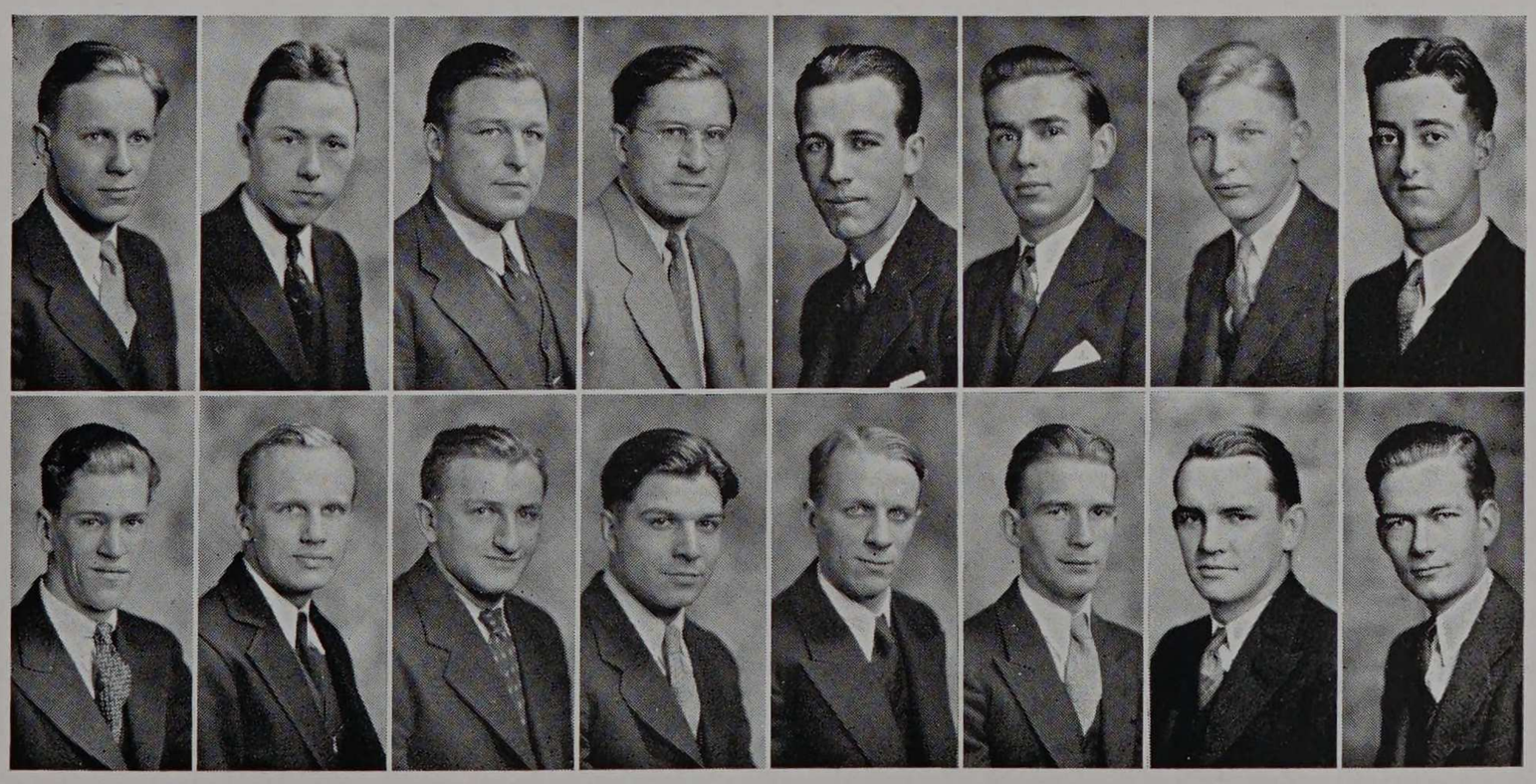
ACTIVE MEMBERS

Norman E. Colburn
Harold W. A. Davidson
Raymond A. Fleissner
Edwin G. Hoffman
Albert C. Ketler, Jr.
George T. Korink
Nicholas H. Kuehn
Bertil W. Laestadius
Leonard Marcus
George A. Nelson
Raymond J. Pflum
Otto J. Schmidt
Kenneth O. Stocking
John E. Schreiner
Carl J. Shermer
Eric H. Smith

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

Elaction to membership is based on the four requisites of a successful engineer; scholarship, character, practicability, and sociabiltiy. 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.



Schreiner, Korink, Ketler, Hoffman, Pflum, Colburn, Fleissner, Kuehn
Nelson, Shermer, Marcus, Schmidt, Laestadius, Smith, Stocking, Davidson



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

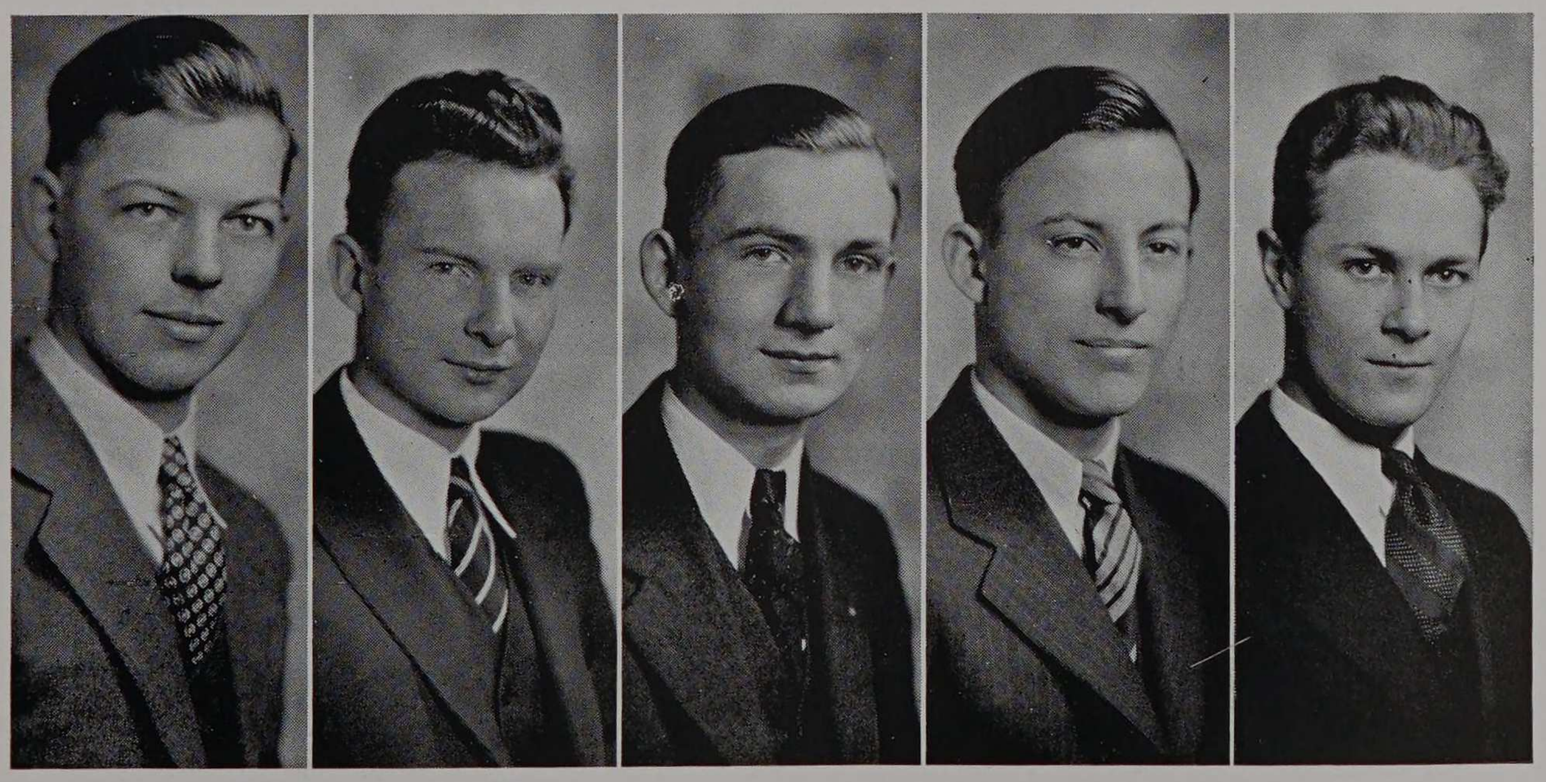
In 1923, with the help of Professor J. B. Finnegan and other members of the faculty, the initial steps for founding an honorary fire-protection engineering fraternity were taken. The initial chapter was composed of seven men. Its purpose was to foster high scholarship and incite original investigation in all phases of its branch of engineering.

ACTIVE MEMBERS

Andrew J. Anderson
Charles A. Cunningham
Charles P. Kuffel
Gerald E. Myers
Edwin N. Searl

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.



Kuffel, Cunningham, Searl, Myers, Anderson

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 MEMBER

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.

ACTIVE MEMBERS

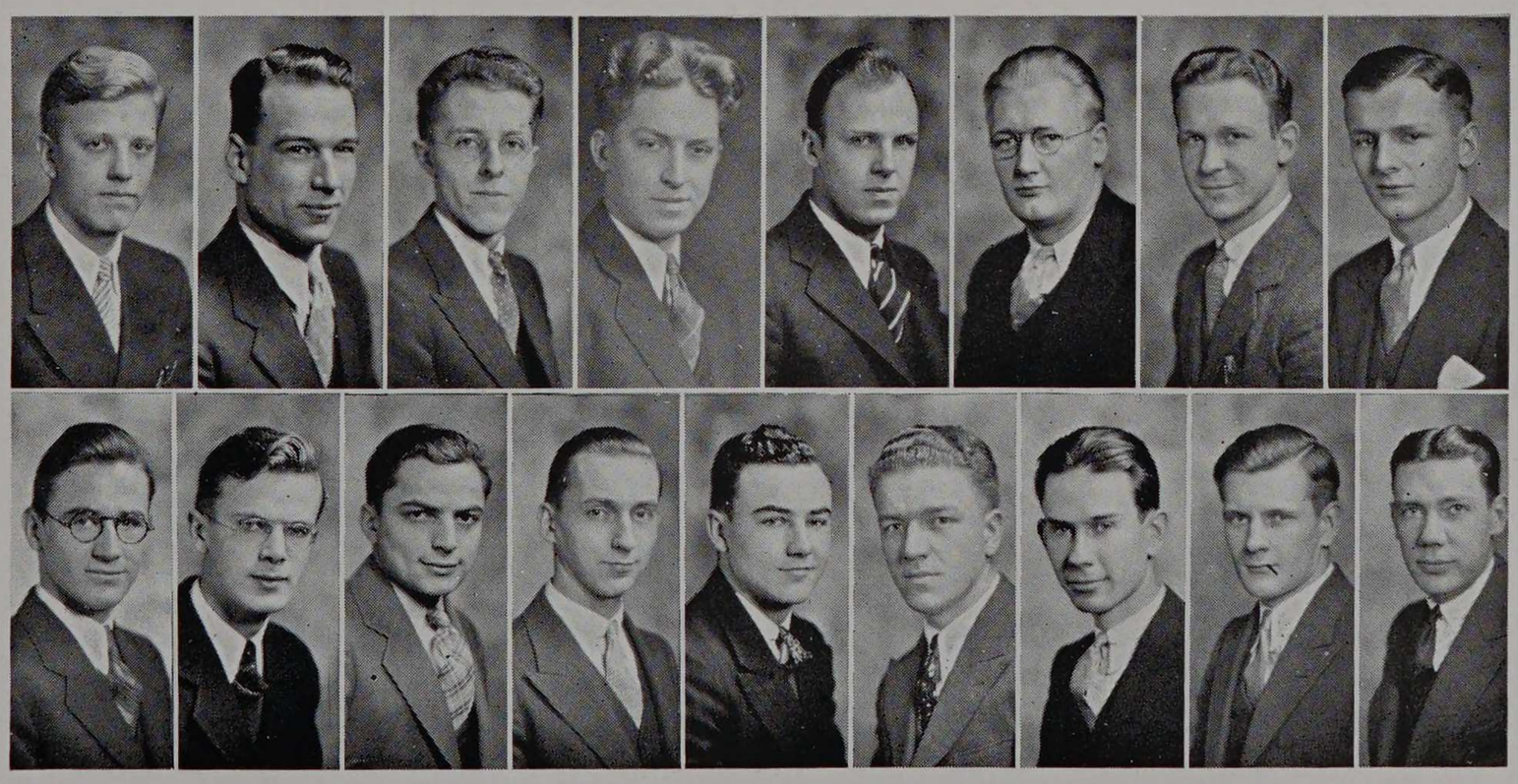
Carl E. Dahlgren
Joseph H. DeBoo
Earl W. Gosswiller
Francis E. Headen
William A. Hensel
Chester E. Hillman
C. Roy Johnson
Irving A. Kolve
John B. Lukey
Leo J. McDonald
Raymond J. Maci
James F. Manly
Jerome R. Pinkus
Peter P. Polko
Ralph W. Stahl
Robert W. Suman
Earle R. Wood

CHARTER MEMBERS

Samuel Allen Baird
Earl Gustav Benson
James Pendleton Dunlap
George Seth Maffit, Jr.
Eugene William Odenwaldt
Henry Walter Regensberger
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.



Kolve, Stahl, Hillman, Gosswiller, Manly, Johnson, Headon, Suman
McDonald, Maci, Pinkus, Lukey, De Boo, Polko, Wood, Hensel, Dahlgren



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.

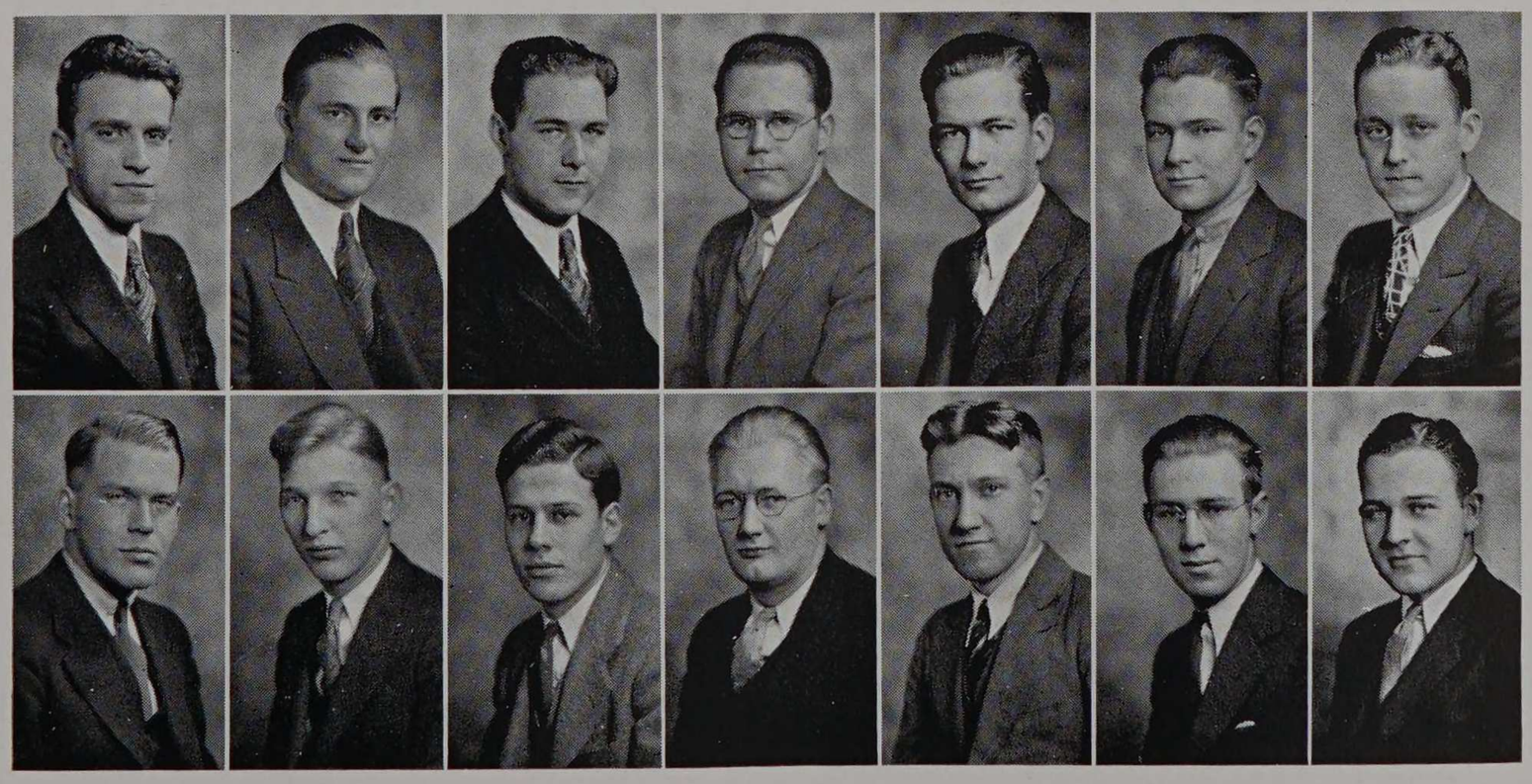
The aims of the fraternity have been to honor the men who have devoted their time and energies for four years to the musical clubs at Armour, to stimulate interest in the musical clubs and a broader interest in music and musical affairs at Armour.

ACTIVE MEMBERS

Edward G. Avery
John L. Brenner
Clarence W. Clarkson
Charles A. Cunningham
Harold W. A. Davidson
Ronald P. Dobson
Roy A. Ekroth
Raymond A. Fleissner
C. Roy Johnson
Alexander Kulpak
J. Russel Lang
Walter H. Sobel
J. Edward Tamney
Don E. Traver
Stanley G. Victora
Harvey A. Williams

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.



Kulpak, Brenner, Tamney, Dobson, Davidson, Ekroth, Clarkson
Traver, Fleissner, Sobel, Johnson, Victora, Williams, Lang



SCARAB

PROFESSIONAL ARCHITECTURAL

Founded at University of Illinois in 1909
Thirteen 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

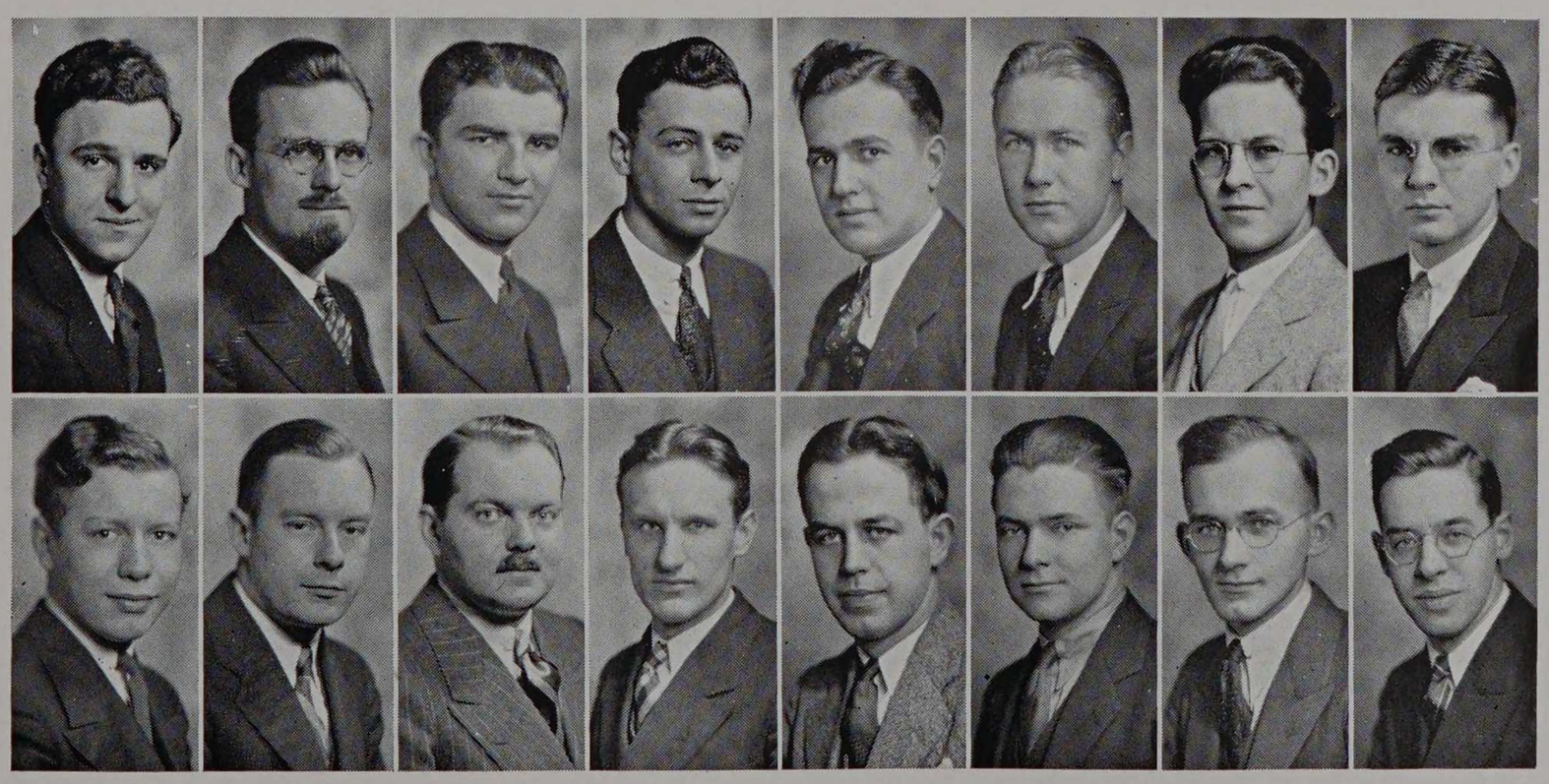
In 1909 the leaders of architecture at the University of Illinois organized a group called the Scarab fraternity. It had no intention of becoming a national organization when founded. An archiectural fraternity was organized at Armour in 1900. It was known as Alpha Delta Tau. This organization continued until 1915, when it was admitted, after petitioning, as Edfou Temple of Scarab Fraternity. There are now thirteen temples in the nation-wide organization.

ACTIVE MEMBERS

Arthur J. Adreani
Frederic Clay Bartlett, Jr.
John A. Benya
Burton R. Buchhauser
Robert H. Cheatham
Lawrence W. Davidson
Roy A. Ekroth
Robert E. Esbensen
Herman Gerhardt
Theodore H. Irion
Lester O. Johnson
Henry Martarano
Julius S. Sandstedt
Raymond J. Schwab
Carl T. Seaberg
Leroy F. Skubic
Robert Bruce 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.



Adreani, Cheatham, Schwab, Benya, Martarano, Esbensen, Buckhauser, Davidson
Seaberg, Irion, Bartlett, Gerhardt, Johnson, Ekroth, Terp, Tague

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.

ACTIVE MEMBERS

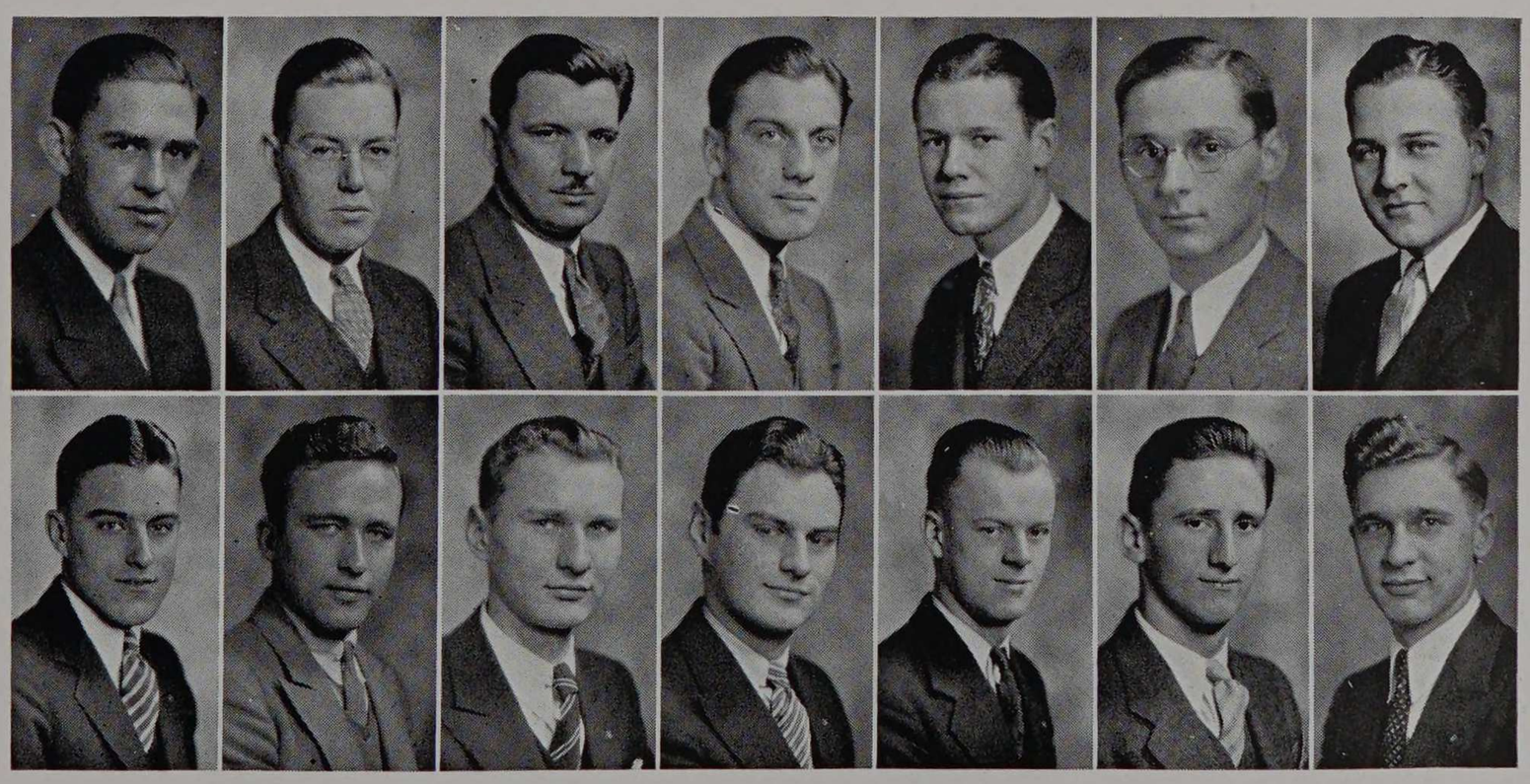
Kenneth C. Eberly
Walter E. Gunderson
Alfred F. Kapecki
J. Russell Lang
Raymond J. Marty
Daniel J. Mullane
Robert H. Schorling

PLEDGES

Charles Clark
Howard Milleville
Robert Paulsen
Robert C. Peterson
Alvin Ragan
Lenard Robbie
Algird Rulis
Orville Spawn

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.



Mullane, McFarland, Kapecki, Gunderson, Schorling, Marty, Lang
Milleville, Clark, Rulis, Robbie, Peterson, Paulsen, Ragan

PHI KAPPA SIGMA

Founded at University of Pennsylvania in 1850

ALPHA EPSILON CHAPTER

Established in 1898

3236 S. Michigan Boulevard

FACULTY MEMBERS

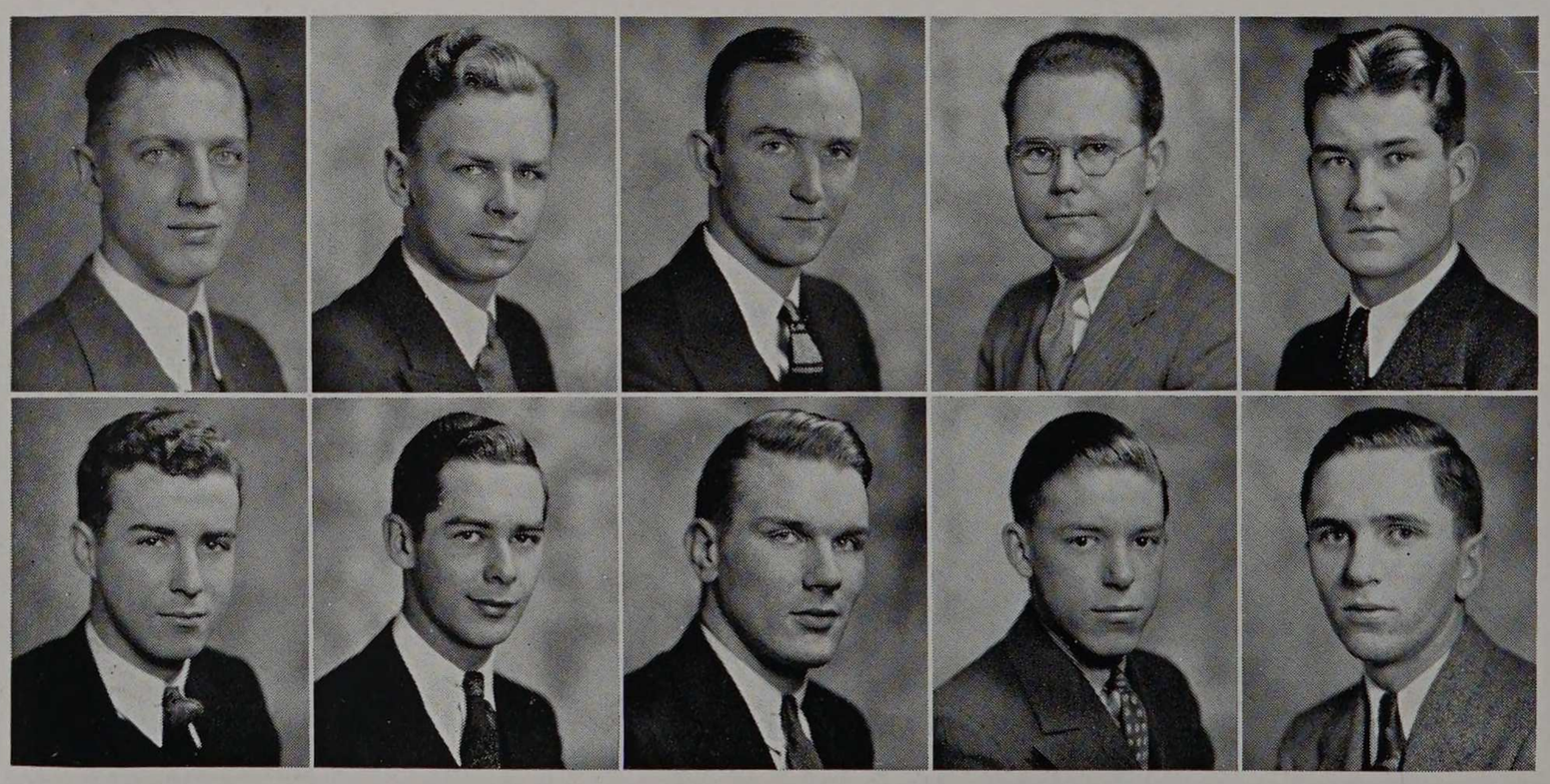
John J. Schommer — Walter H. Seegrist — Gordon C. Erickson

ACTIVE MEMBERS

Louis W. Biegler
Ronald P. Dobson
William H. Fogle
Charles R. Ford
F. Adam Hefner, Jr.
Donald L. Jacobson
James W. Juvinall
Willard C. McCarty
T. Arthur Marow
Carl H. Sachs, Jr.
William H. Savage
Edwin J. Skeppstrom
Harold E. Stehman
Richard P. Thunder
George W. Wheaton
James G. Dwyer (Alpha Xi)
William F. Krahl (Alpha Theta)

PLEDGES

F. Cameron Ayer
Thomas E. Baker
John E. Cameron
Frank W. Comegys
Frederic L. Fraizer
Harold E. Hawley
Edward J. Holland, Jr.
I. Murrey Hughes
Warren E. Kelbe
George H. Starmann, Jr.



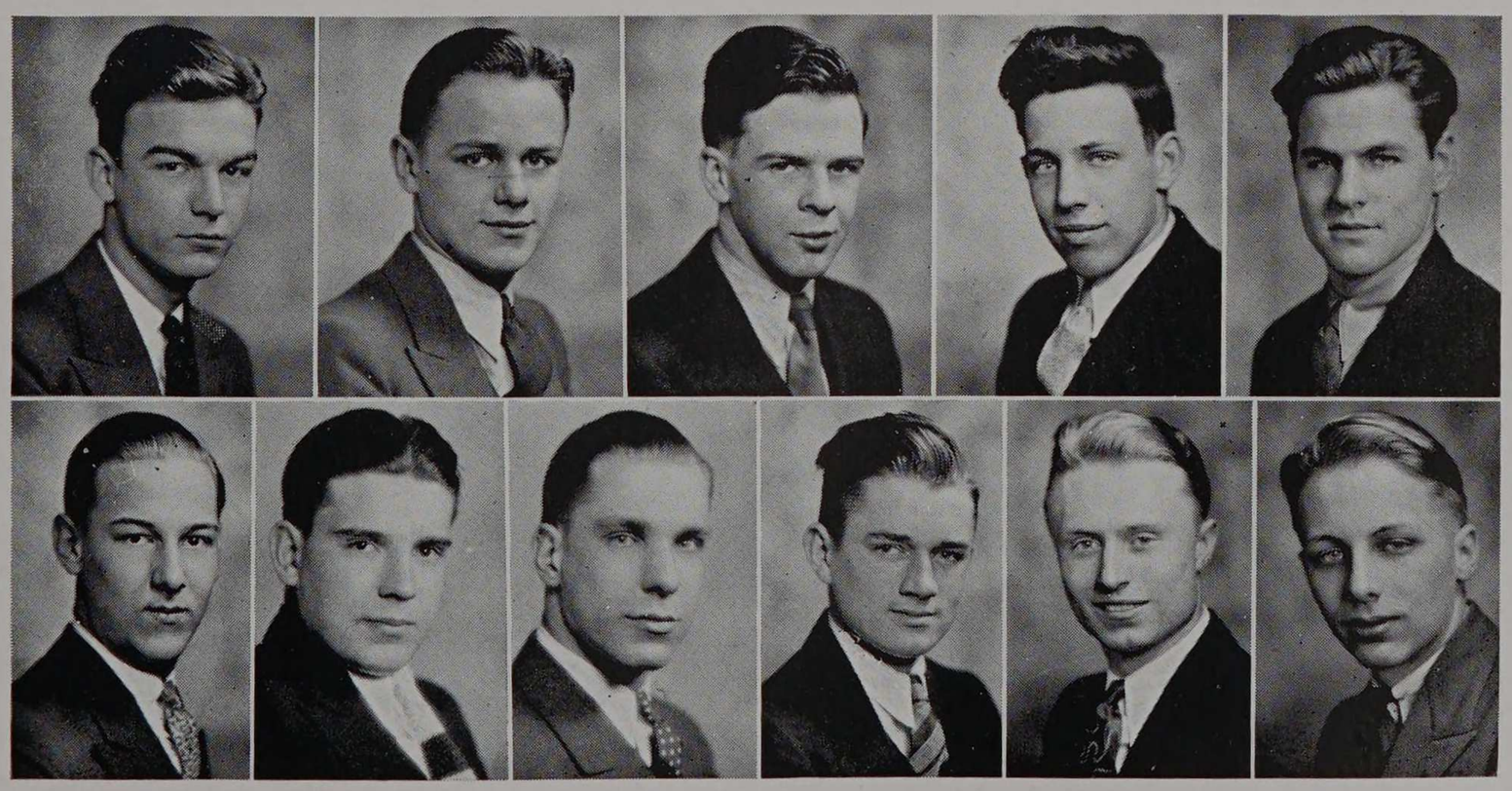
Sachs, Jacobson, Biegler, Dobson, Wheaton
Fogle, Savage, Ford, McCarty, Marow

Colors
Old
Gold
and
Black

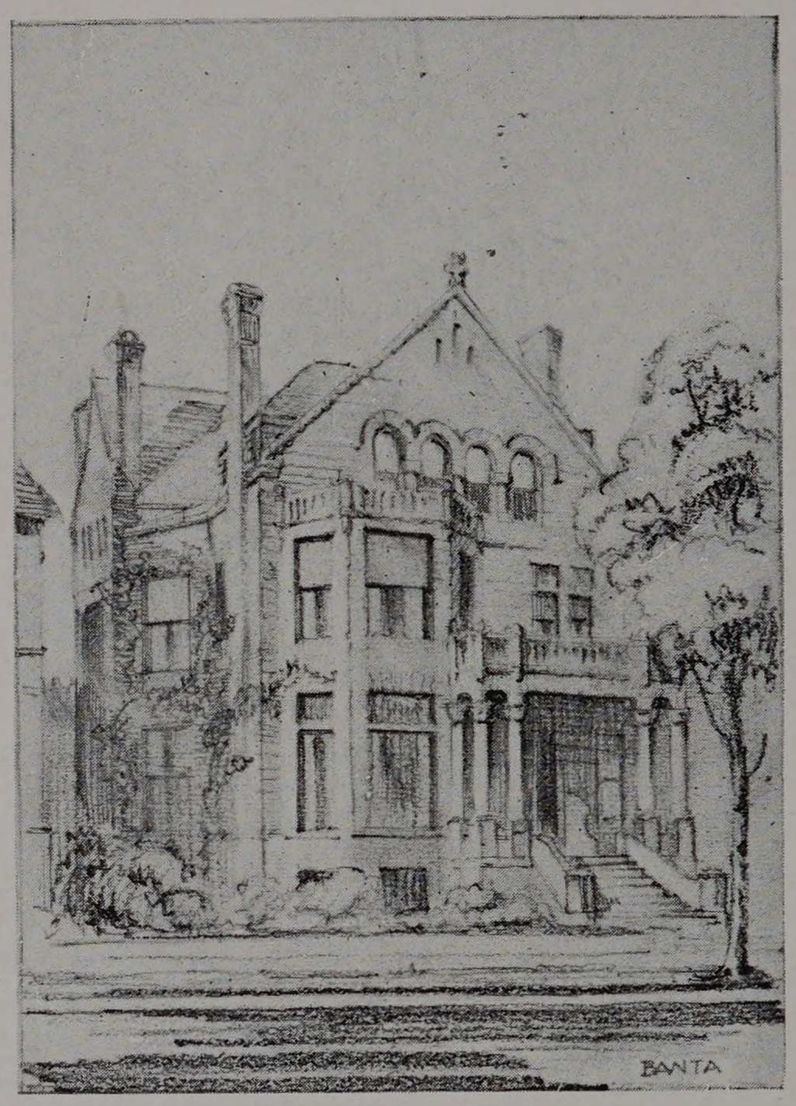
Flower
None

SOCIAL CALENDAR

Black and Gold Dance	September 30
Skull Dance	October 3
Father and Son Night	October 5
House Dance	October 28
Dinner Party	November 12
Thanksgiving Bi-Chapter Dance	November 25
Parents' Reception	December 10
Alumni Smoker	December 14
New Year's Eve Dance	December 31
Pledge Dance	February 3
Tri-Chapter Initiation	February 19
Radio Dance	March 10
Spring Frolic	April 7
Alumni Smoker	April 19
Chapter Picnic	May 21
Senior Farewell Formal	May 26



Ayer, Hefner, Fraizer, Stehmann, Thunder
Starman, Baker, Cameron, Holland, Kelbe, Skeppstrom



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









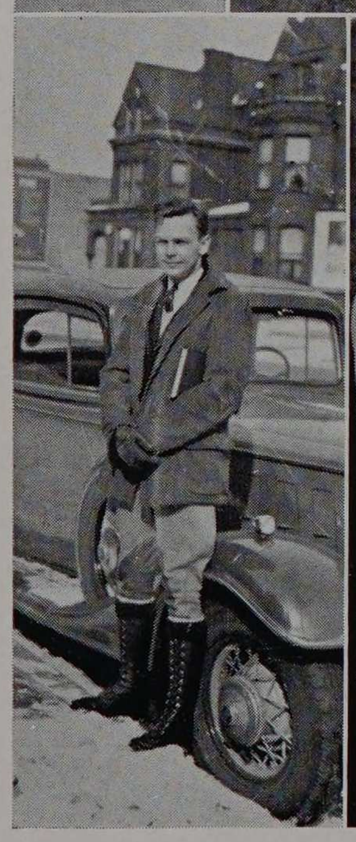




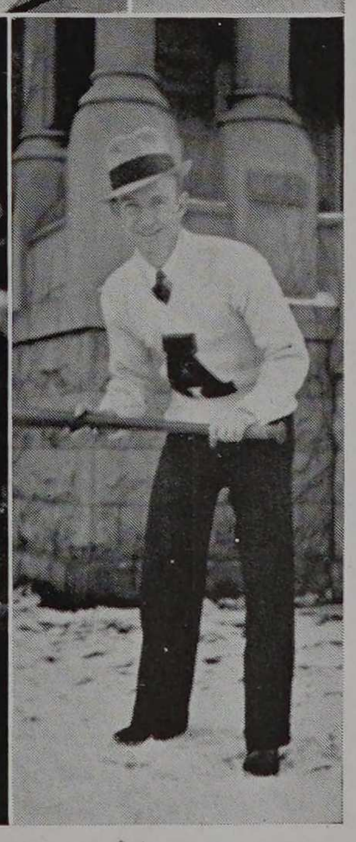












One Hundred Eighty-seven

DELTA TAU DELTA

Founded at Bethany College in 1859

GAMMA BETA CHAPTER

Established 1901

3155 South Michigan Boulevard

FACULTY MEMBER

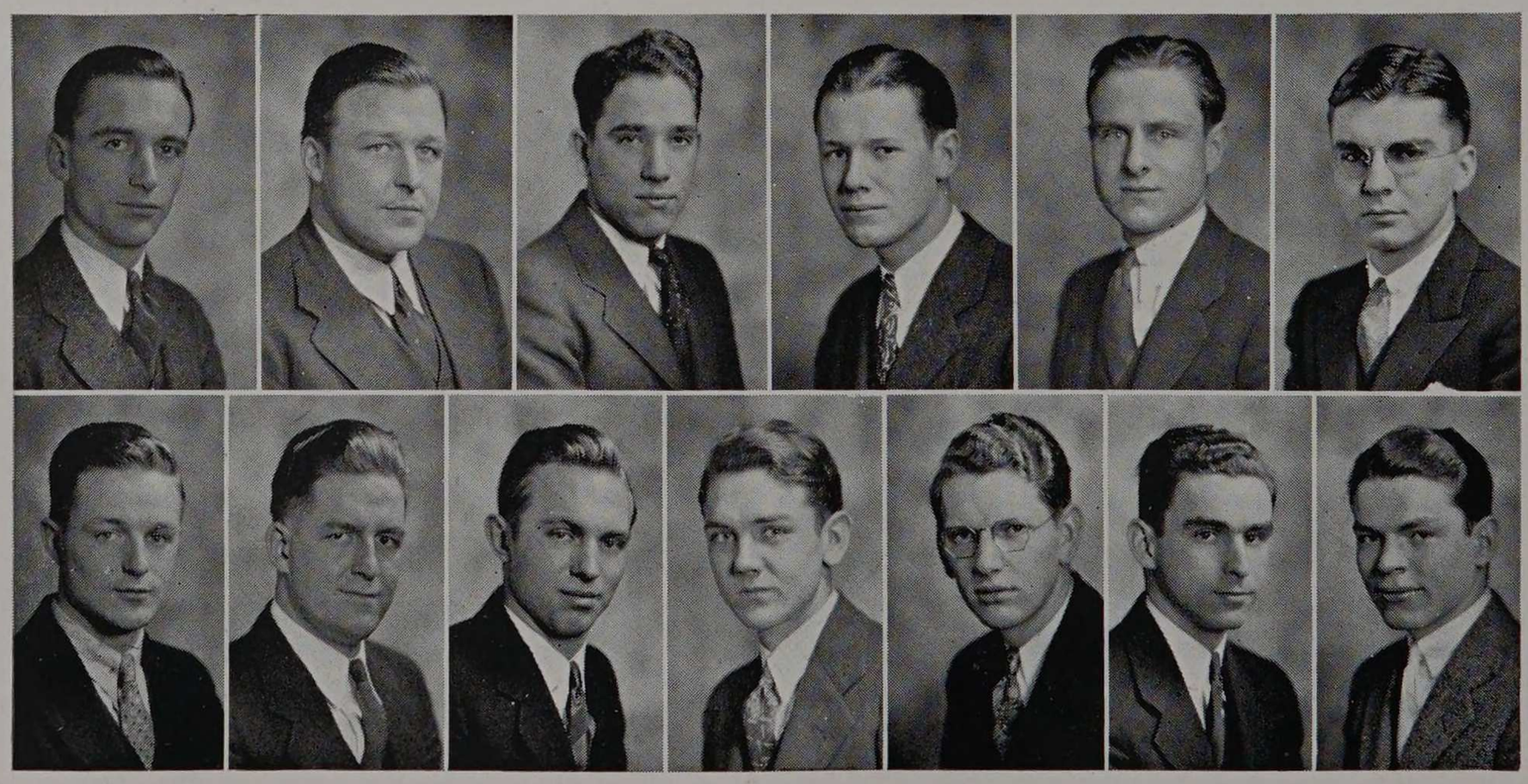
Arthur H. Carpenter

ACTIVE MEMBERS

Hugh A. Bisbee
Lawrence W. Davidson
John B. Davis
Ellis H. Doane, Jr.
Earl R. Fenske
Francis H. E. Gallagher
Francis M. Gibian
Harry G. Gragg
Albert C. Ketler, Jr.
Harry L. Mayfield
Charles W. Nelson
Edward W. Olson
Thomas C. Peavey
Robert H. Schorling
Fred. A. Smith
Louis H. Streb
Charles E. Vendley

PLEDGES

George M. Amory
Raymond R. Bacci
Elmer H. Behm
Donald N. Brissman
Francis E. Davidson
Harold W. Hale
Robert K. Lowry
Frank R. McAuliffe
Norman J. McGuone
Anton F. Ricker
Oreste A. Tomei



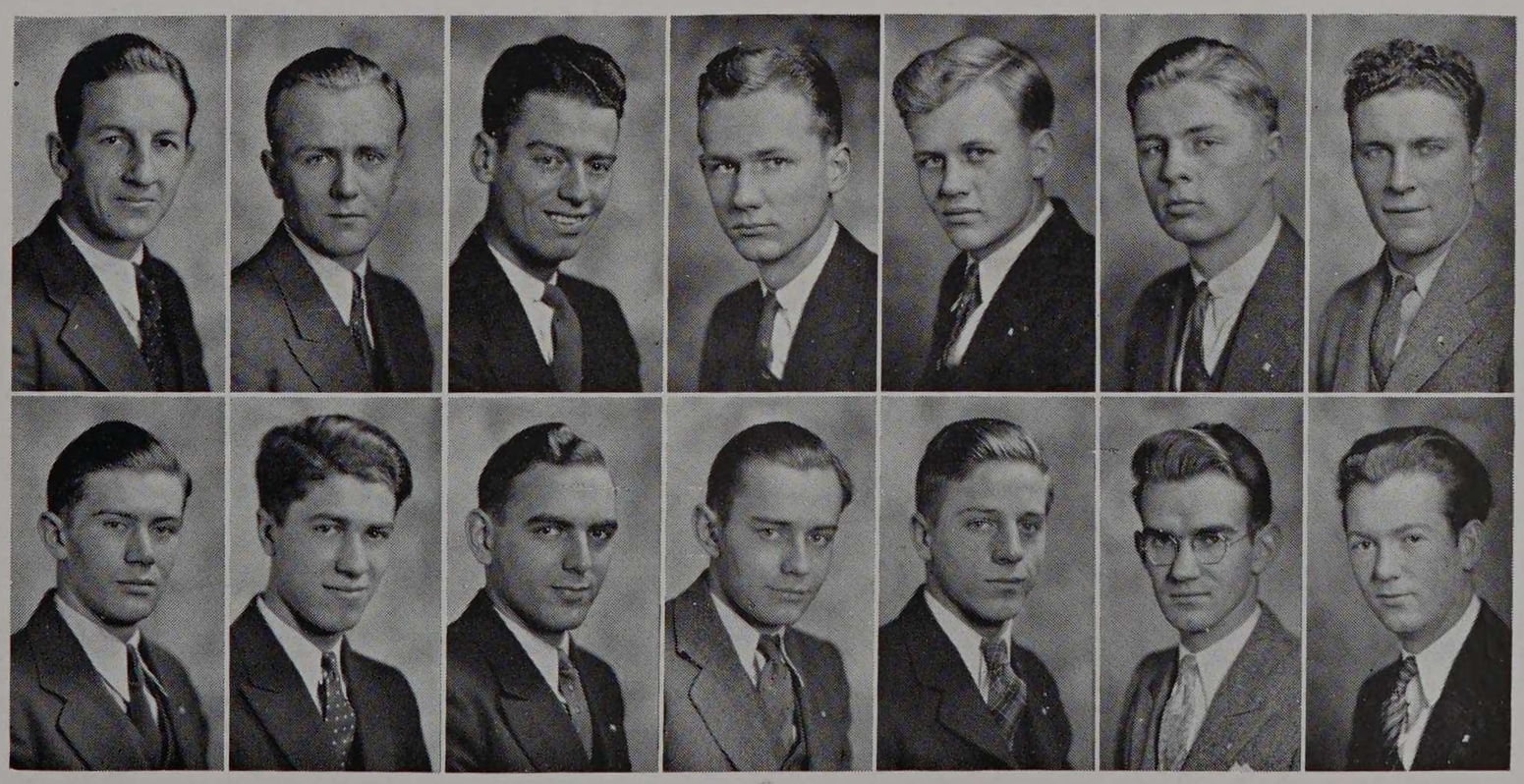
Gibian, Ketler, Streb, Schorling, Peavey, L. Davidson
Vendley, Bisbee, Fenske, Doane, Gragg, Nelson, Gallagher

Colors
Purple, White, and Gold

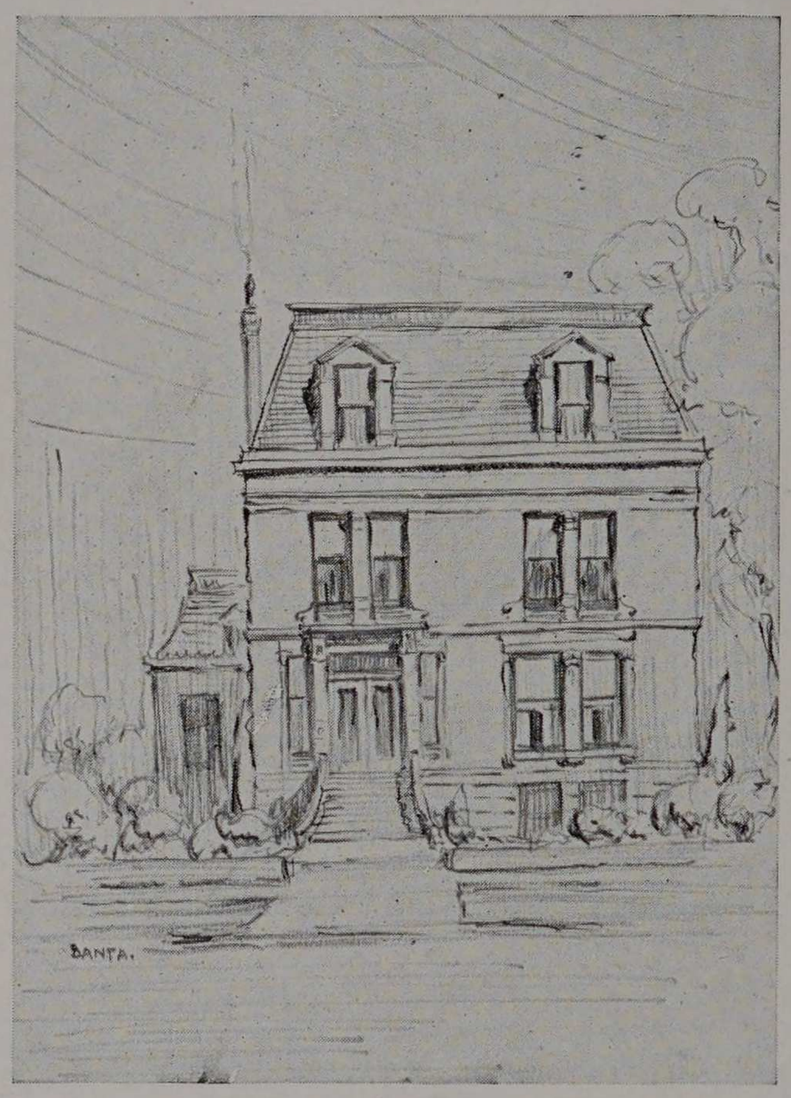
Flower
Pansy

SOCIAL CALENDAR

Rush Dance	October 6
Rush Dance	October 11
Mothers' Tea	November 12
Alumni Banquet	November 28
Pledge Dance	December 2
Mothers' Tea	January 15
Rush Dance	February 9
Initiation Banquet	March 25
25th Annual Delt Prom	April 7
Mothers' Tea	April 15
Founder's Day Banquet	May 10
Spring Formal	May 25
Senior Farewell Party	June 8



Smith, Davis, Mayfield, Olson, Brissman, Hale, McAuliffe
Lowry, Tomei, Amory, Behm, Bacci, F. Davidson, Ricker



CHAPTER ROLL

SOUTHERN DIVISION

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 DELTA ..... University of Tennessee
DELTA EPSILON ..... University of Kentucky
DELTA ETA ..... University of Alabama
DELTA KAPPA ..... Duke University

WESTERN DIVISION

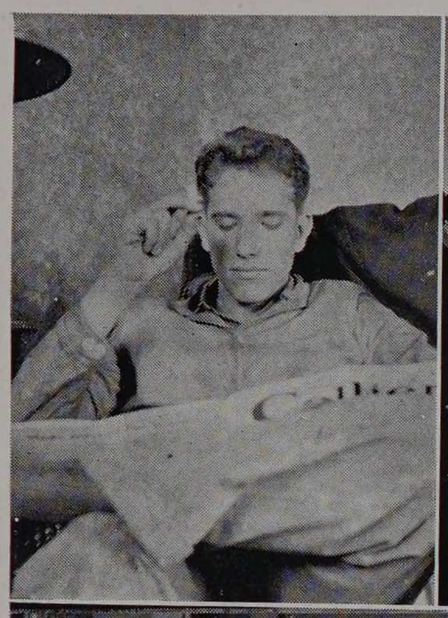
OMICRON ..... University of Iowa
BETA GAMMA ..... University of Wisconsin
BETA ETA ..... University of Minnesota
BETA KAPPA ..... University of Colorado
BETA PI ..... Northwestern University
BETA RHO ..... Leland Stanford Jr. University
BETA TAU ..... University of Nebraska
BETA UPSILON ..... University 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 ALPHA ..... University of Oklahoma
DELTA GAMMA ..... University of South Dakota
DELTA IOTA ..... University of California, L. A.
DELTA LAMBDA ..... Oregon State College
DELTA MU ..... University of Idaho

NORTHERN DIVISION

BETA ..... Ohio University
DELTA ..... University of Michigan
EPSILON ..... Albion College
ZETA ..... Western Reserve University
KAPPA ..... Hillsdale College
MU ..... Ohio Wesleyan University
CHI ..... Kenyon College
BETA ALPHA ..... Indiana University
BETA BETA ..... DePauw University
BETA ZETA ..... Butler University
BETA PHI ..... Ohio State University
BETA PSI ..... Wabash College
GAMMA LAMBDA ..... Purdue University
GAMMA XI ..... University of Cincinnati
GAMMA UPSILON ..... Miami University

EASTERN DIVISION

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 Tech.
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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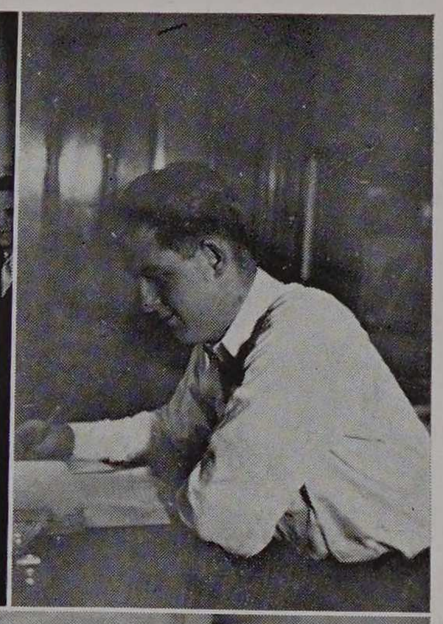



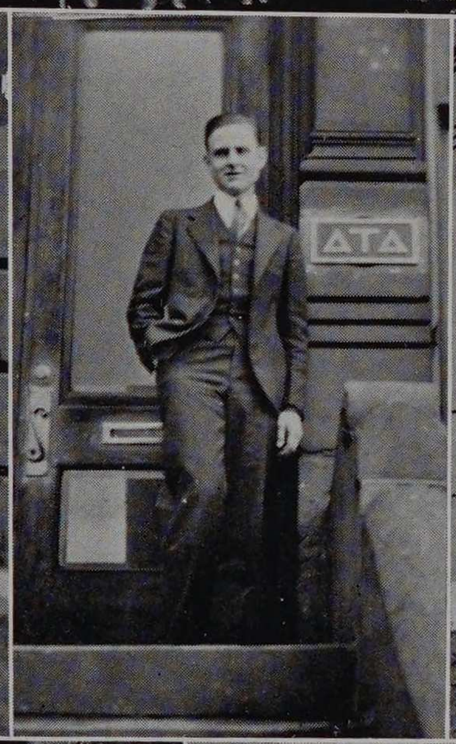
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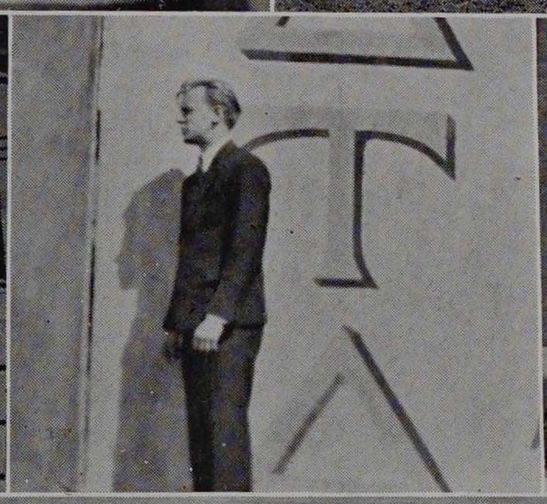



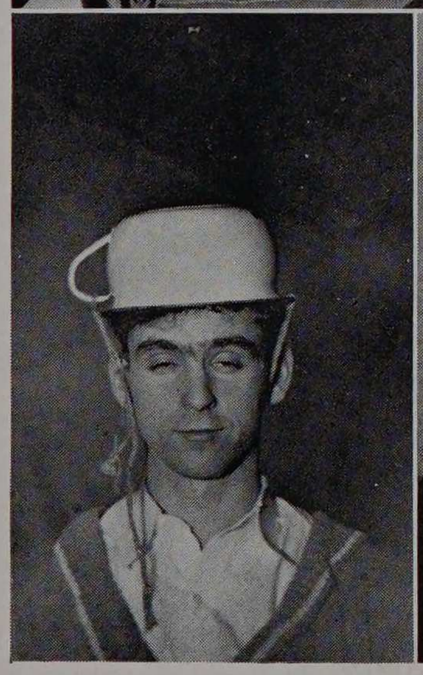

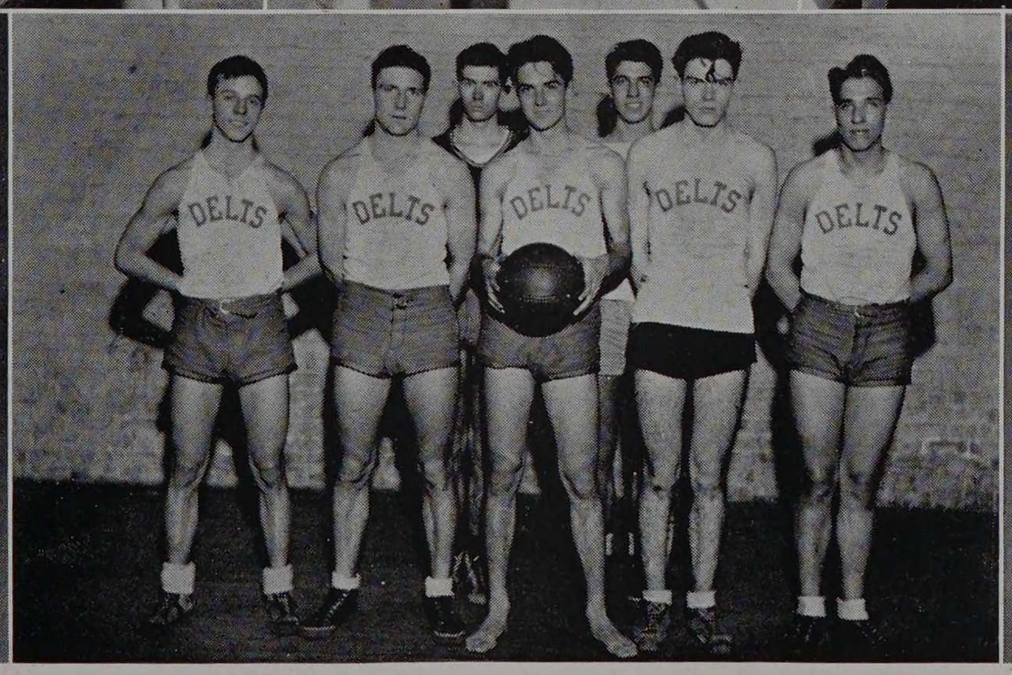
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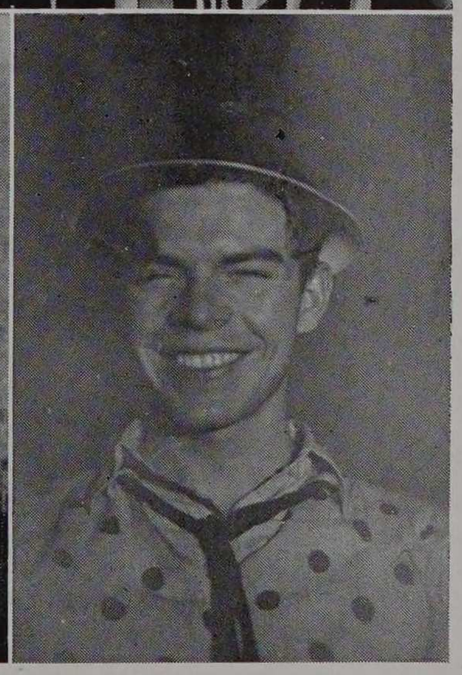


THETA XI

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

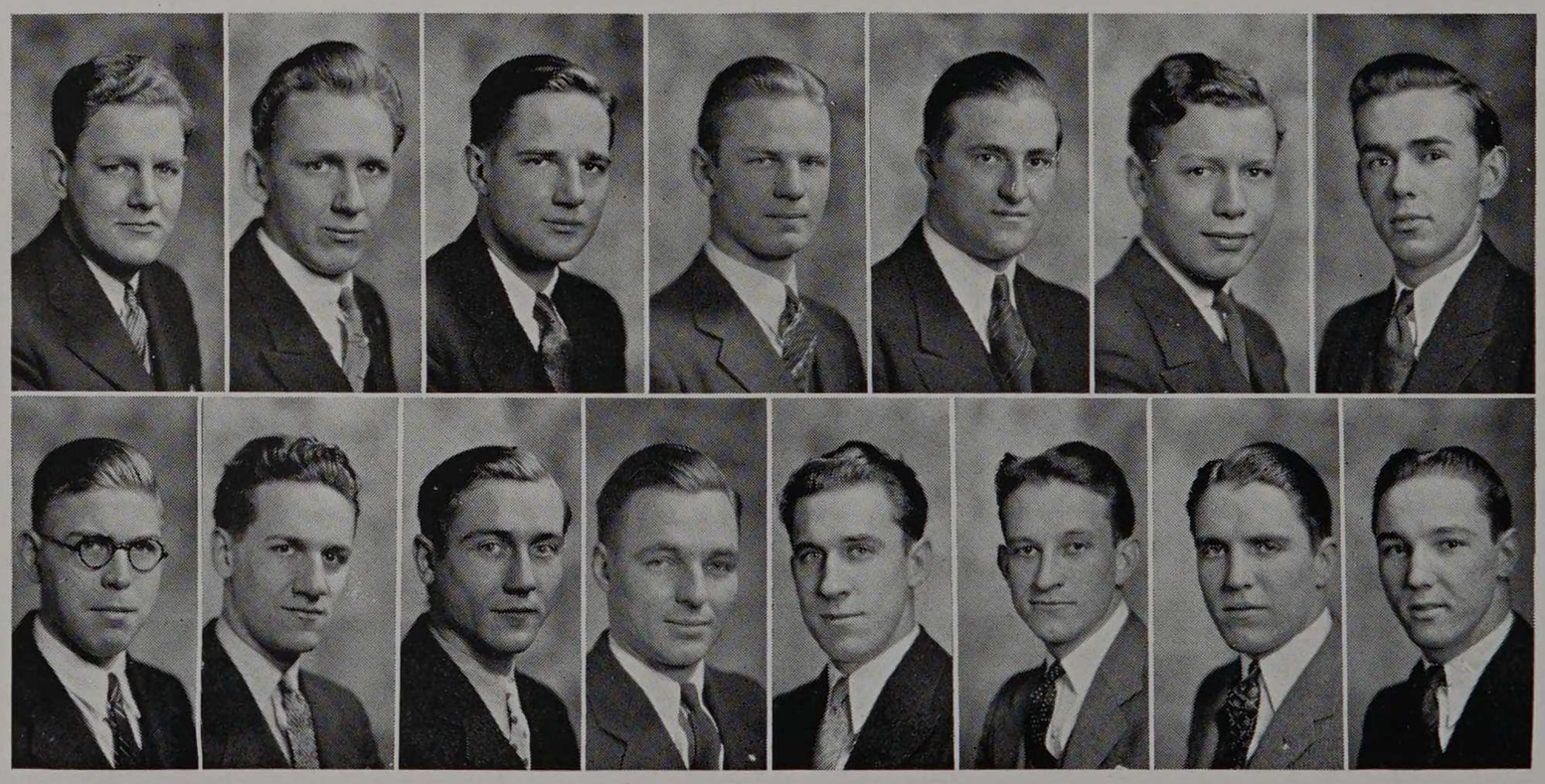
Ernest C. Bewersdorf
John L. Brenner
Carlo M. Christensen
Norman E. Colburn, Jr.
Raymond L. Ellis
Nick C. Giovan
Bertil Hanson
Roy S. Kercher
Henry J. Koeber, Jr.
Edwin G. Koriath
William H. Krause
Earl A. Kreft
J. Arthur Larson
Elmer G. Lundin
Robert P. Nelson
Eugene O. Norris
Curtis H. Parsons
George M. Reed
Leonard G. Rummel
William G. Scharringhausen
Carl T. Seaberg
Arthur J. Skjordahl
P. Vinson Smith
Robert G. Stevens

Lee C. Willis

PLEDGES

Harold W. Aebischer
John Graf, Jr.
John Schulz
John L. Roberts
Donald Way
Arthur H. Wobig

Arling M. Wolf



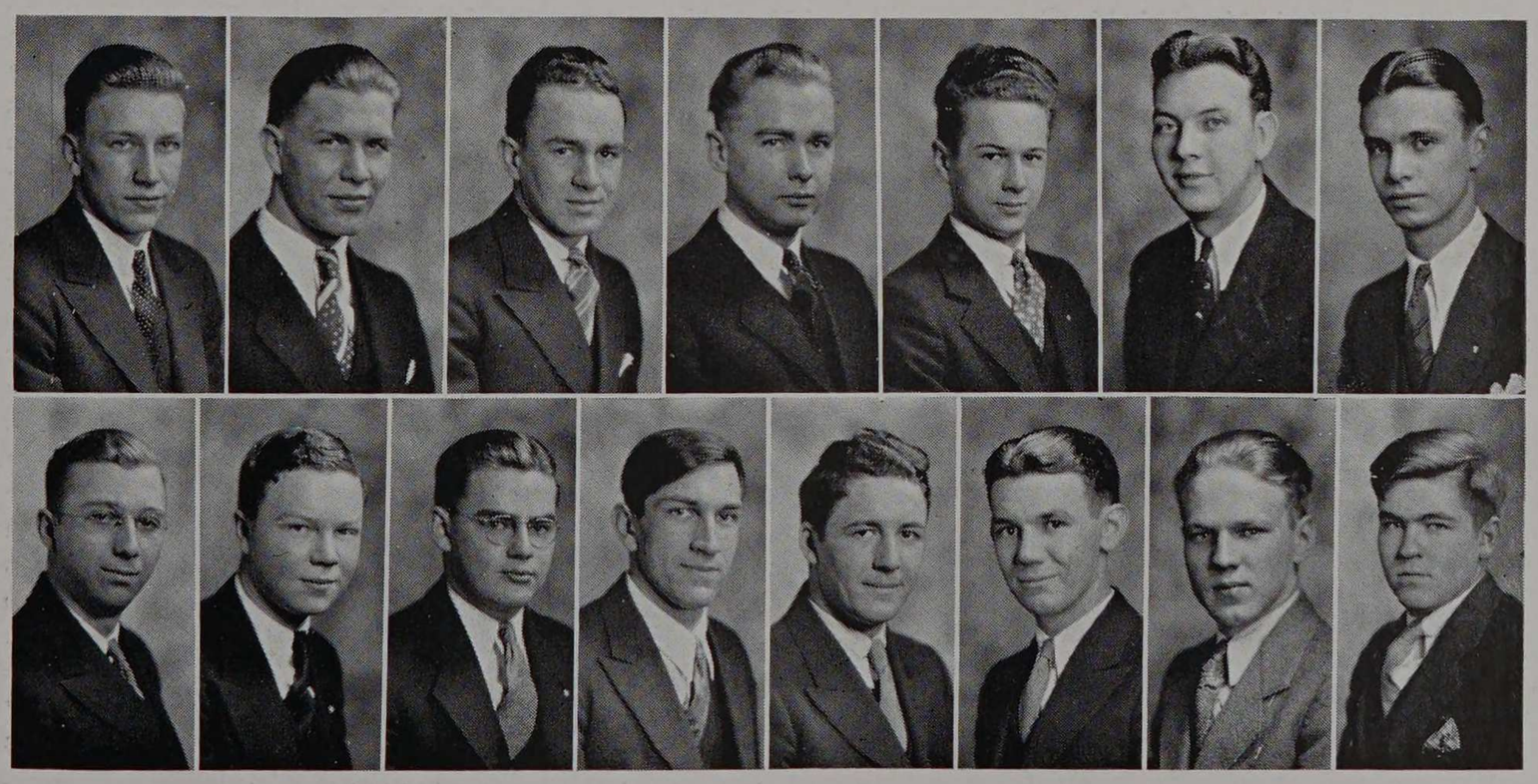
Larson, Bewersdorf, Rummel, Lundin, Brenner, Seaberg, Colburn
Hanson, Giovan, Ellis, Wolf, Scharringhausen, Smith, Roberts, Reed

Colors
Purple, White, and Gold

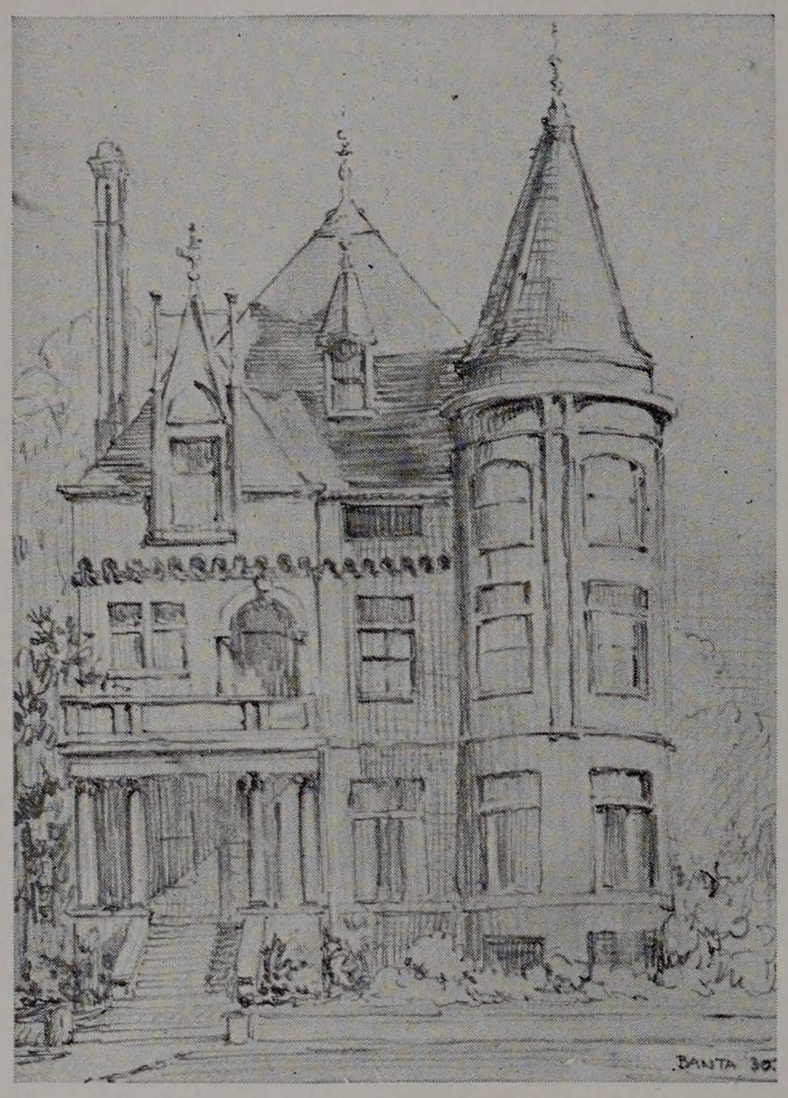
Flower
None

SOCIAL CALENDAR

Rushee Dance	September 30
Radio Party	October 14
Halloween Dance	October 28
Thanksgiving Dinner Party	November 25
Christmas Dance	December 21
Radio Party	January 6
Valentine Dance	February 10
Radio Party	March 17
Hard Times Party	April 7
Founders' Day Banquet	April 28
Spring Formal	May 5
Picnic	May 27
Senior Farewell	June 8



Christenson, Kercher, Willis, Nelson, Schulz, Skjordahl, Aebischer
Kreft, Graf, Wobig, Krause, Koriath, Koeber, Parsons, Stevens



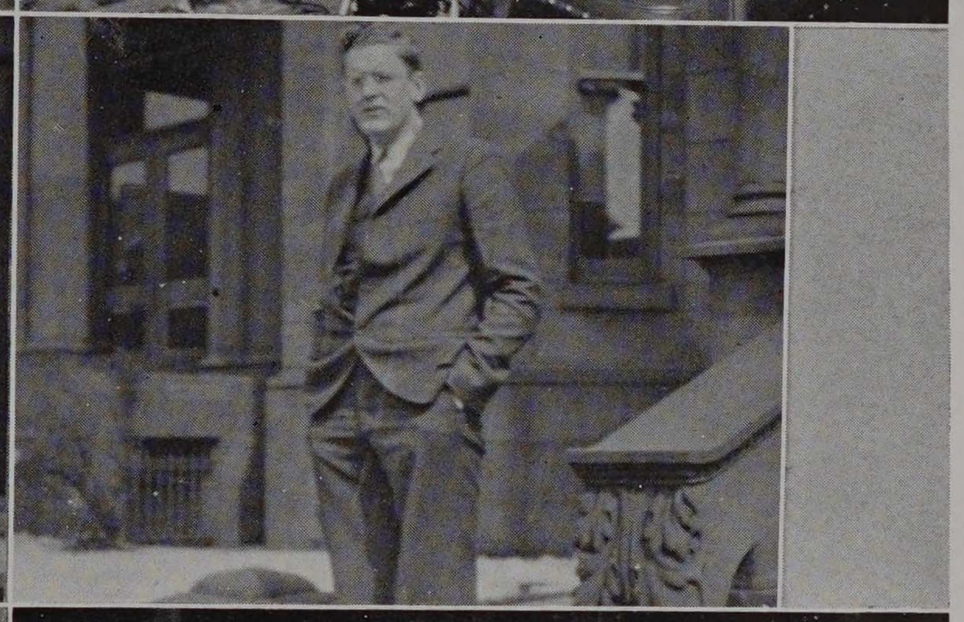
CHAPTER ROLL

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 Stanford 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










Life





PHI PI PHI

Founded at Northwestern University in 1915

GAMMA CHAPTER

Established 1923

3131 South Michigan Boulevard

FACULTY MEMBERS

Ernest H. Freeman

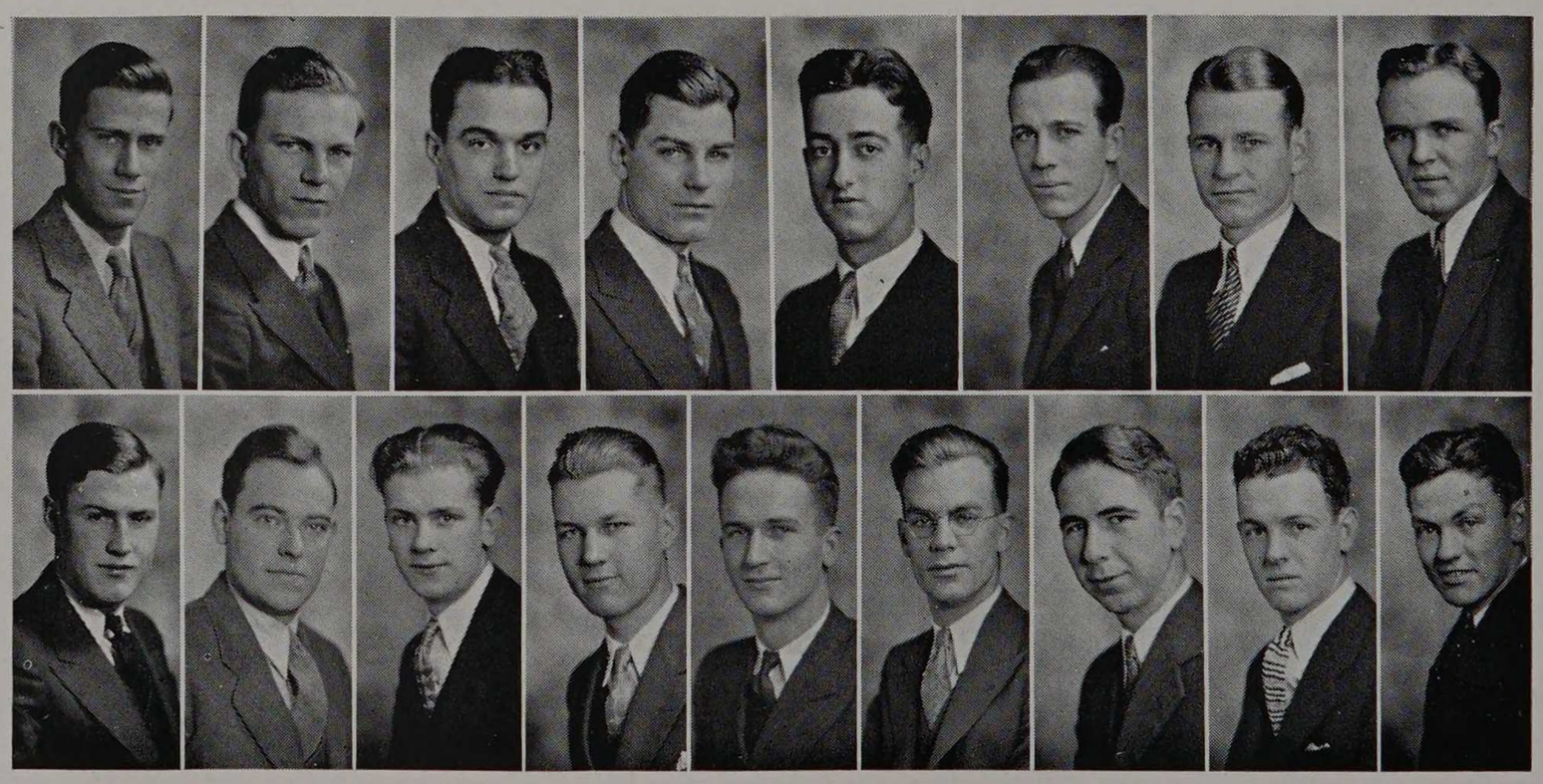
Daniel Roesch

ACTIVE MEMBERS

Leslie V. Anderson
Loy A. Callen
James C. Castanes
David A. Forberg
Richard L. Friede
Chedo P. Grakavac
Donald R. Gregerson
George A. Hanes
Raymond J. Hansel
Eugene A. Heike
Nicholas H. Kuehn
Robert L. Merz
Vladimir J. Novak
Raymond J. Pflum
Robert P. Samuels
George L. Savidis
Robert F. Simpson
Anthony P. Stasiulis
Donald G. Storey
Donald C. Suhr
Walter J. Tallafus
Harry S. Tice

PLEDGES

Milton J. Bejeck
Walter R. Budvitis
Victor J. Chiappe
Andrew S. Gagliardo
Henry A. Geeraerts
Chester J. Malinowski
Radoslav T. Mijanovich
Charles J. Shukes
Conrad E. Stuecheli
Zbyszko C. Trzyna
Roland A. Warner
Richard E. Winkler



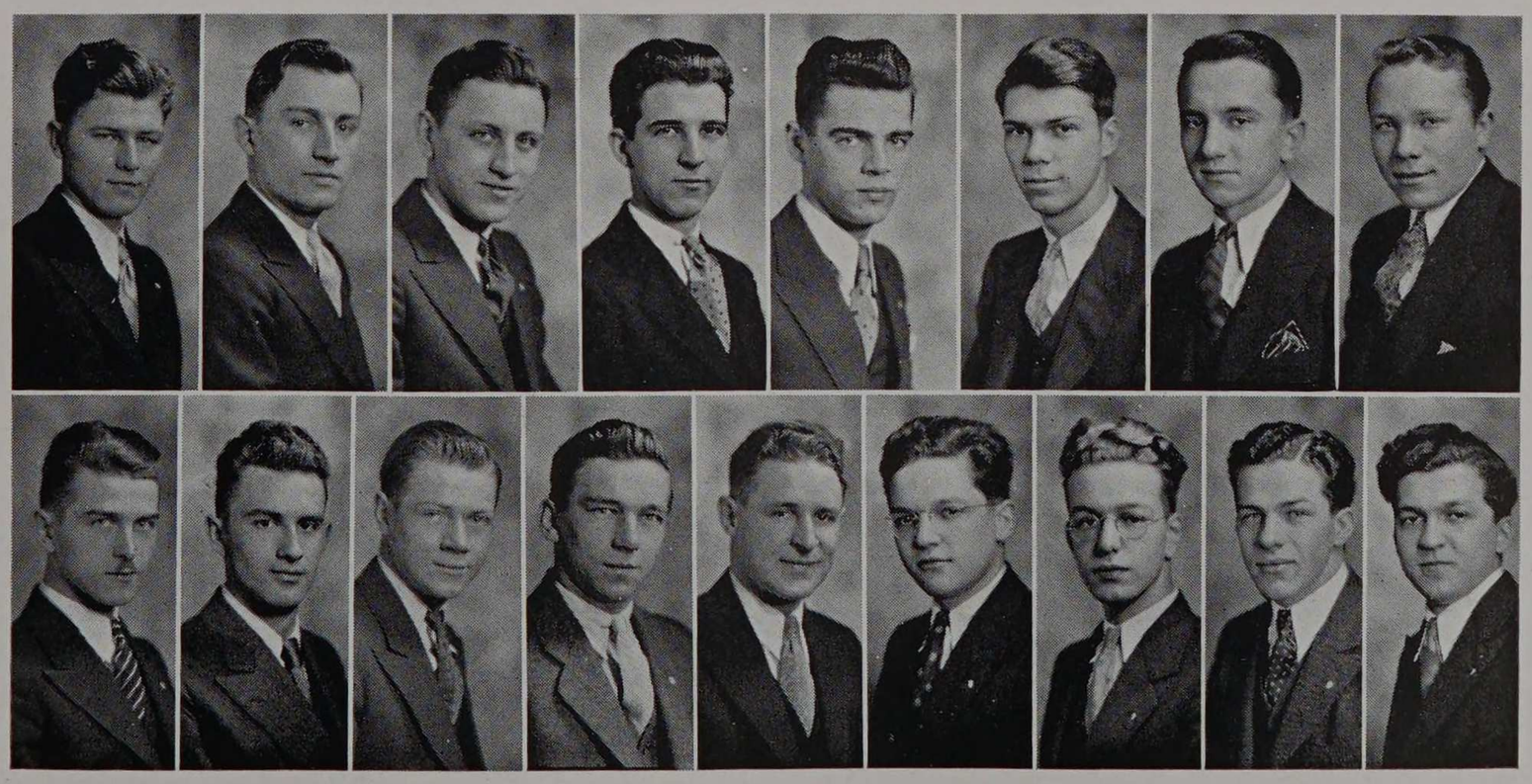
Hanes, Simpson, Castanes, Storey, Kuehn, Pflum, Callen, Stasiulis
Freide, Anderson, Heike, Hansel, Tallafuss, Warner, Savidis, Samuels, Gregerson

Colors Turquoise
Blue and Black

Flower
Bluebell

SOCIAL CALENDAR

Natl. Convention	September 7-8-9
Convention Banquet	September 8
Convention Dance	September 9
Rushee Dance	September 30
Pledge Dance	October 28
Tenth Anniversary Banquet	November 23
New Year's Party	January 1
Mid-Semester Dance	February 3
Father-Sons Smoker	February 7
Tri-Chapter Formal	February 17
Mother's Day	March 25
Basketball Dance	March 31
House Dance	April 28
House Dance	May 19
Senior Farewell Party	June 9



Sramec, Chiappe, Malinowski, Forberg, Bejeck, Merz, Grakavac, Suhr
Trzyna, Novac, Shukas, Geeraerts, Tice, Mijanovich, Stuecheli, Winkler, Gagliardo

RHO DELTA RHO

Founded at Armour in 1919

ALPHA CHAPTER

3116 S. Michigan Boulevard

HONORARY MEMBER

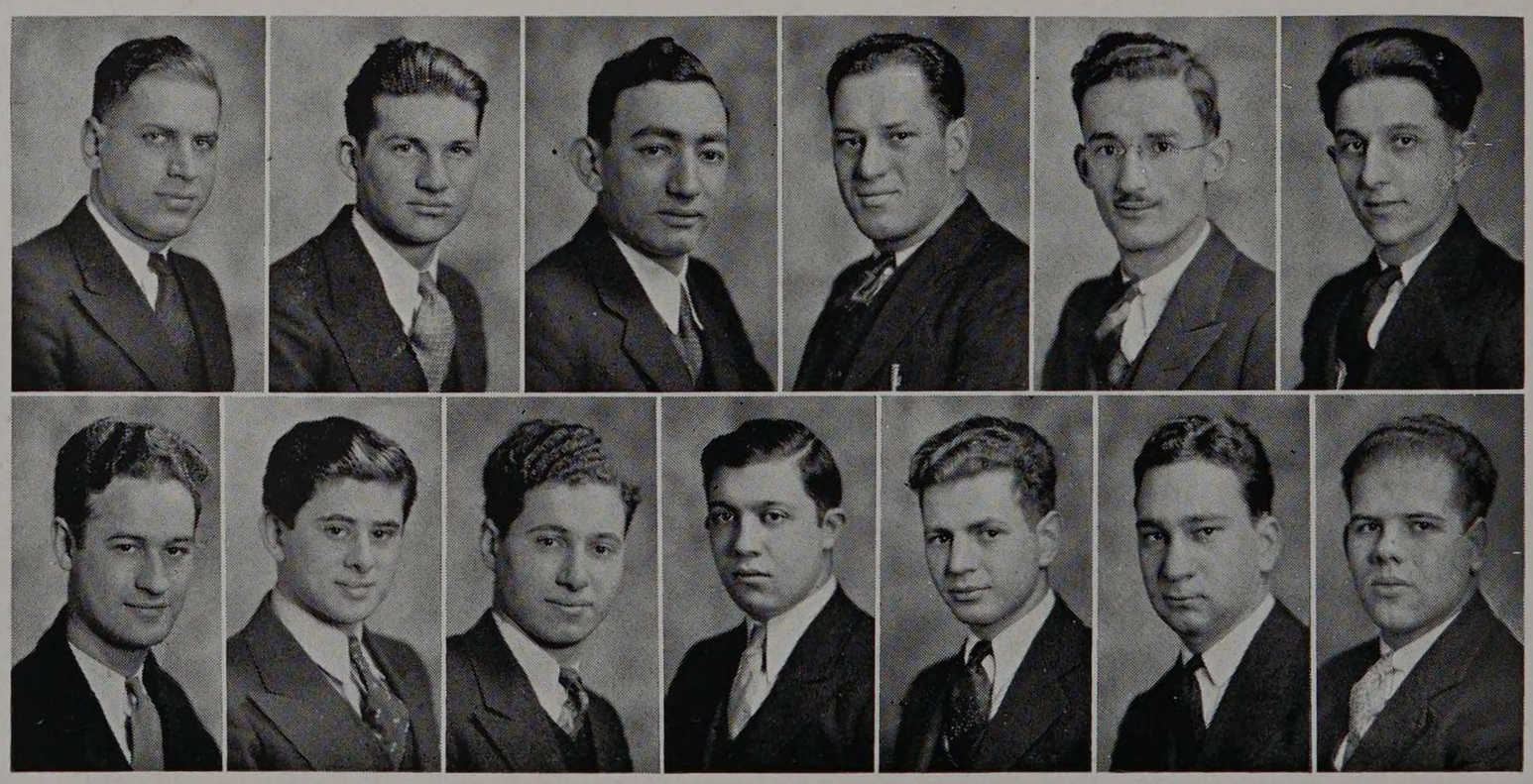
Professor Henry L. Nachman

ACTIVE MEMBERS

Archie Anders
Jake Bard
Theodore Cohan
Norman J. Cooper
Louis D'Alba
Leonard Dworsky
Harold Feldman
Charles Goldberg
Charles Handler
Milton Hoffman
Frank Kaplan
Leonard Kaplan
Norman Krause
Sam Potash
George Rosenthal
Louis Siegel
Robert Simons
Harold Slavitt
Harry Stern
Jack Wieland

PLEDGES

Ernest Freireich
Sidney Kreiman
Robert Levy
Abraham Mandelowitz
Sidney Miner
Bernard Nobler
Herbert Ruckberg
Arthur Schreiber
Charles Schreiber
Leonard Sorkin
Sam Taradash



F. Kaplan, Krause, Feldman, Cohan, Potash, D'Alba
Cooper, Ruckberg, L. Kaplan, Sorkin, Kreiman, Nobler, Dworsky

Colors
Orange and Black

Flower
Acacia

SOCIAL CALENDAR

Rushee Smoker	September 28
Pledge Smoker	October 6
Pledge Dance	November 4
Chanukah Party	December 25
New Year's Party	January 1
Alumni Bridge	January 27
Initiation Smoker	April 6
Dinner Dance	May 19
Senior Farewell	June 9



Anders, Hoffman, Rosenthal, Bard, Goldberg, Handler, Weiland
Simons, Miner, Stern, Siegel, Taradash, Slavitt, Freireich

SIGMA ALPHA MU

Founded at College of The City of New York 1909

SIGMA EPSILON CHAPTER

Established 1922

ACTIVE MEMBERS

Irving M. Addis
Stanley Bernstein
Julius Frank
Herbert Kreisman

PLEDGES

Gustave Freund
Theodore Gilberg

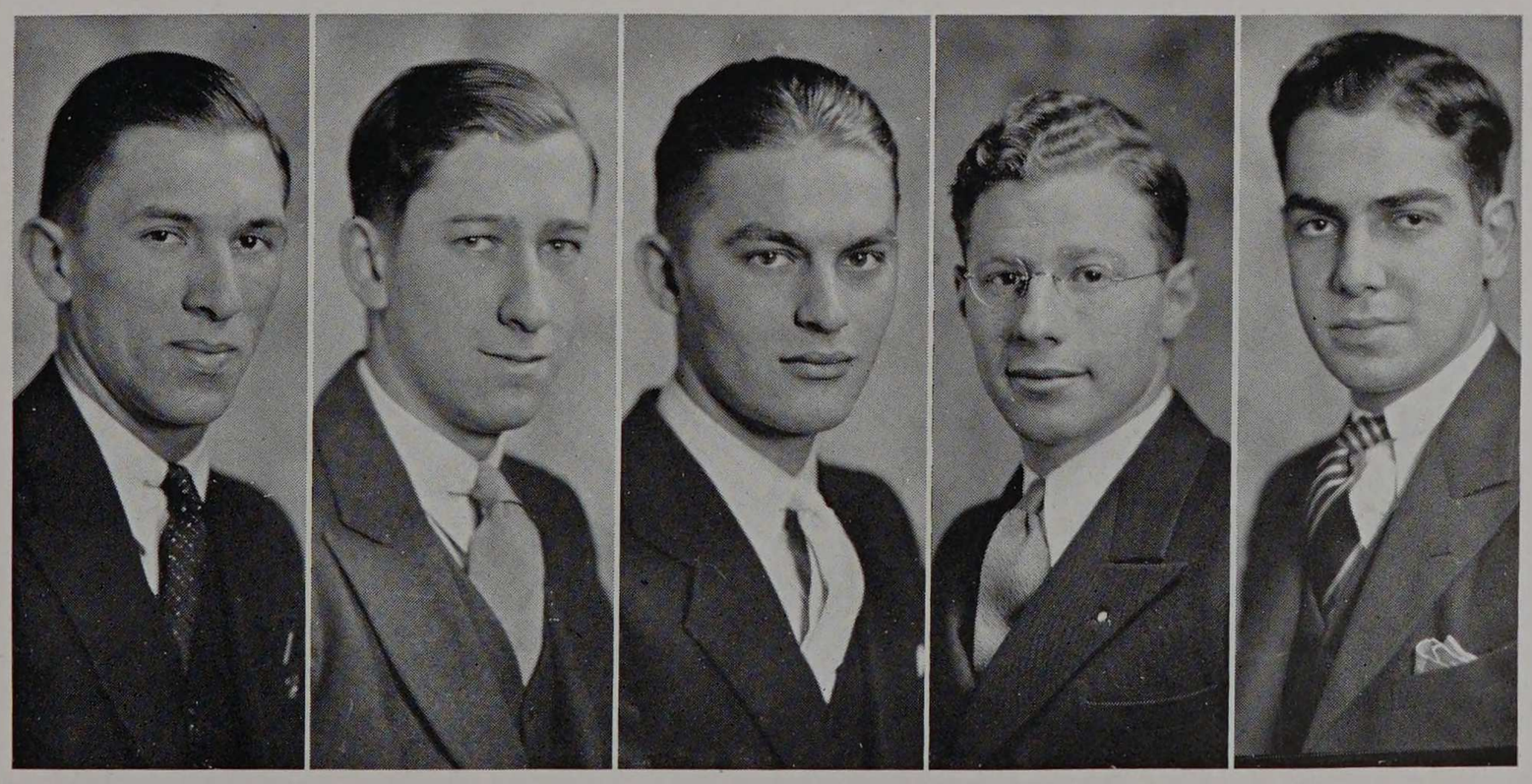
Colors
Purple and White



Flower
Purple Aster

SOCIAL CALENDAR

Rush Smoker	September 30
Annual Pledge Party	October 28
National Convention	December 27, 28, 29, 30
Founder's Day	February 5
House Party	February 17
Chicago Alumni Banquet	April 3
House Party	April 14
Installation of Officers	April 14
Summer Formal	June 16



Bernstein, Frank, Addis, Freund, Kreisman

TRIANGLE

Founded at University of Illinois in 1907

ARMOUR CHAPTER

Established 1923

3222 South Michigan Boulevard

FACULTY MEMBERS

Philip C. Huntly
William F. McCaughey
Sholto M. Spears
Charles A. Tibbals

HONORARY MEMBERS

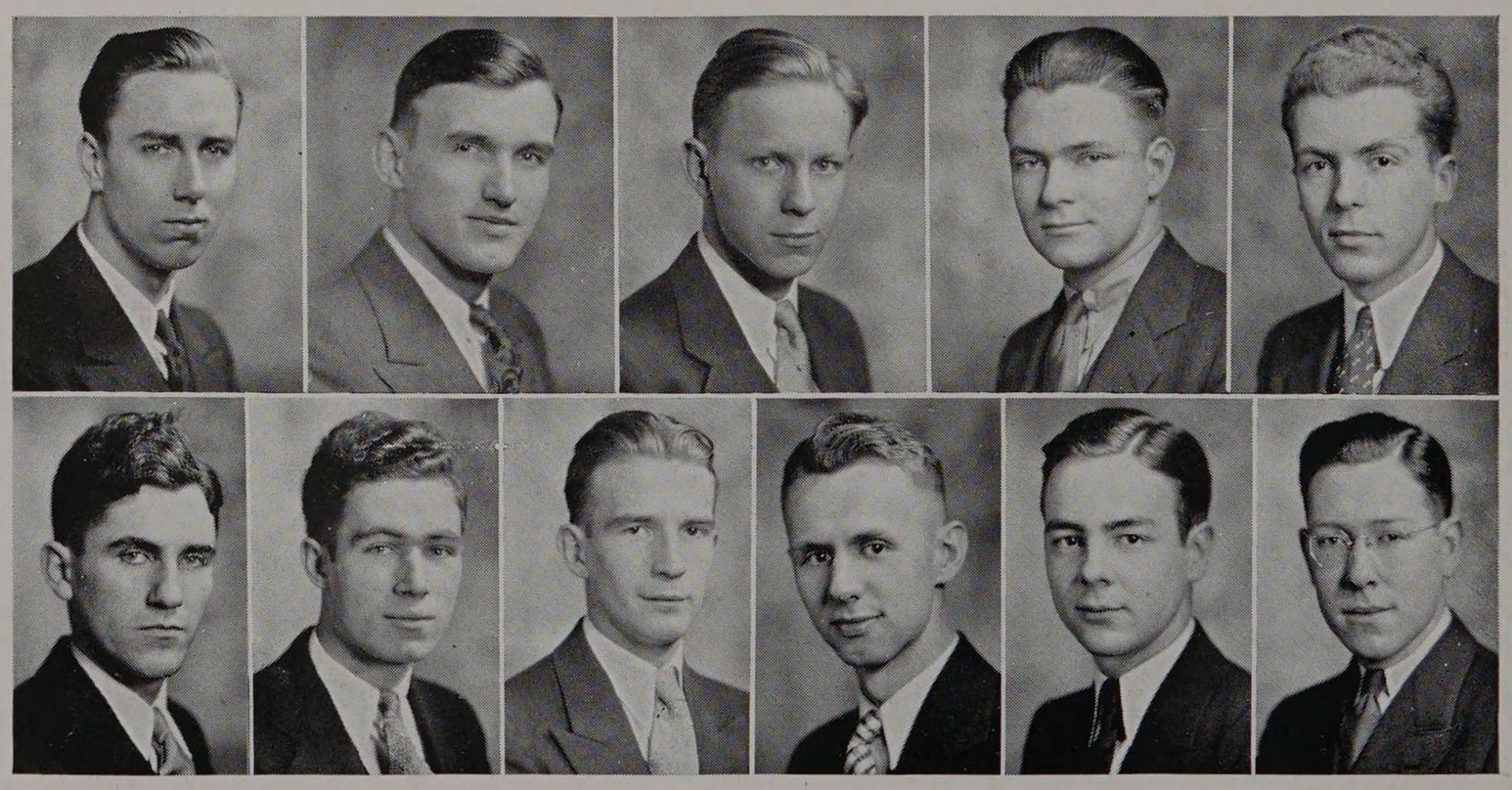
Harold R. Phalen
Walter A. Reinert

ACTIVE MEMBERS

John J. Bachner
Arthur J. Cohrs
Roy Ekroth
Stephen M. Lillis
Robert Lyford
William A. Malloy
George M. McBrady
Edward McDonough
Frank W. Schmidt
John E. Schreiner
John Scott
Eric H. Smith

PLEDGES

George M. Boylan
William Brown
Edson Denny
Robert Freeman
Harry Gustafson
Louis Kraft
Robert Lundberg
Joseph Moore
John Penn
Robert Schmidt
Edward Thompson
Arthur Vanderkloot



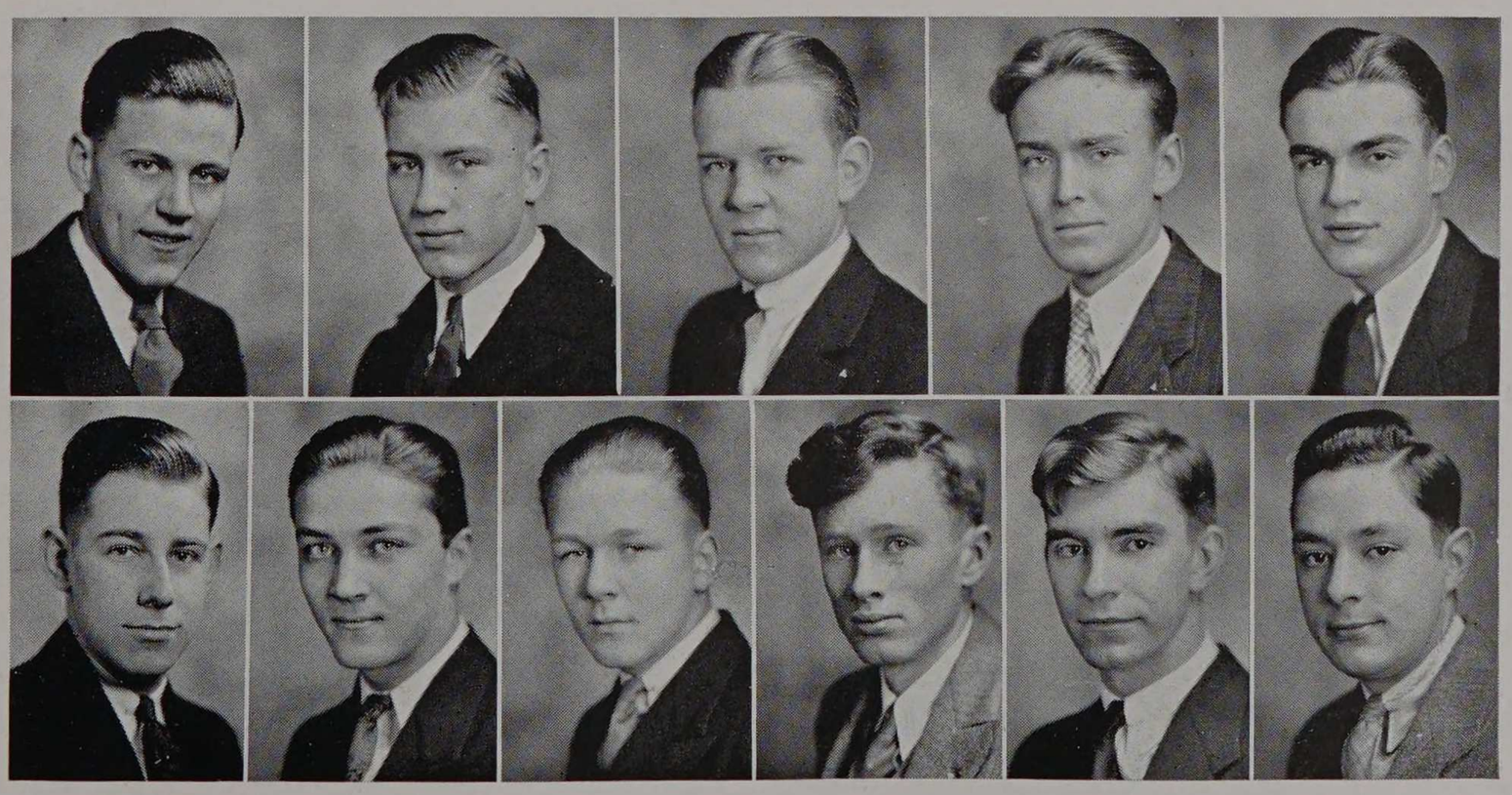
Bachner, Lillis, Schreiner, Ekroth, McBrady
McDonough, Malloy, Smith, Cohrs, Lyford, Schmidt

Colors
Old Rose and Grey

Flower
None

SOCIAL CALENDAR

House Warming Party	September 13
Rushee Dance	September 30
Alumni Smoker	October 20
Thanksgiving Dance	November 29
Alumni Smoker	December 16
Snowball	December 23
Inter-Semester Dance	January 31
Mother's Tea Party	February 11
Initiate's Banquet	March 4
Initiate's Dance	March 17
Founder's Day Banquet	April 15
Convention Dance	April 28
Splash Party	May 18
Senior Farewell Dance	June 9



Scott, Schmidt, Kraft, Freeman, Vanderkloot
Brown, Boylan, Lundberg, Penn, Thompson, Denny

BETA PSI

Founded Jointly at Armour and University of Illinois in 1924

BETA CHAPTER

Established 1924

3337 South Michigan Boulevard

FACULTY MEMBERS

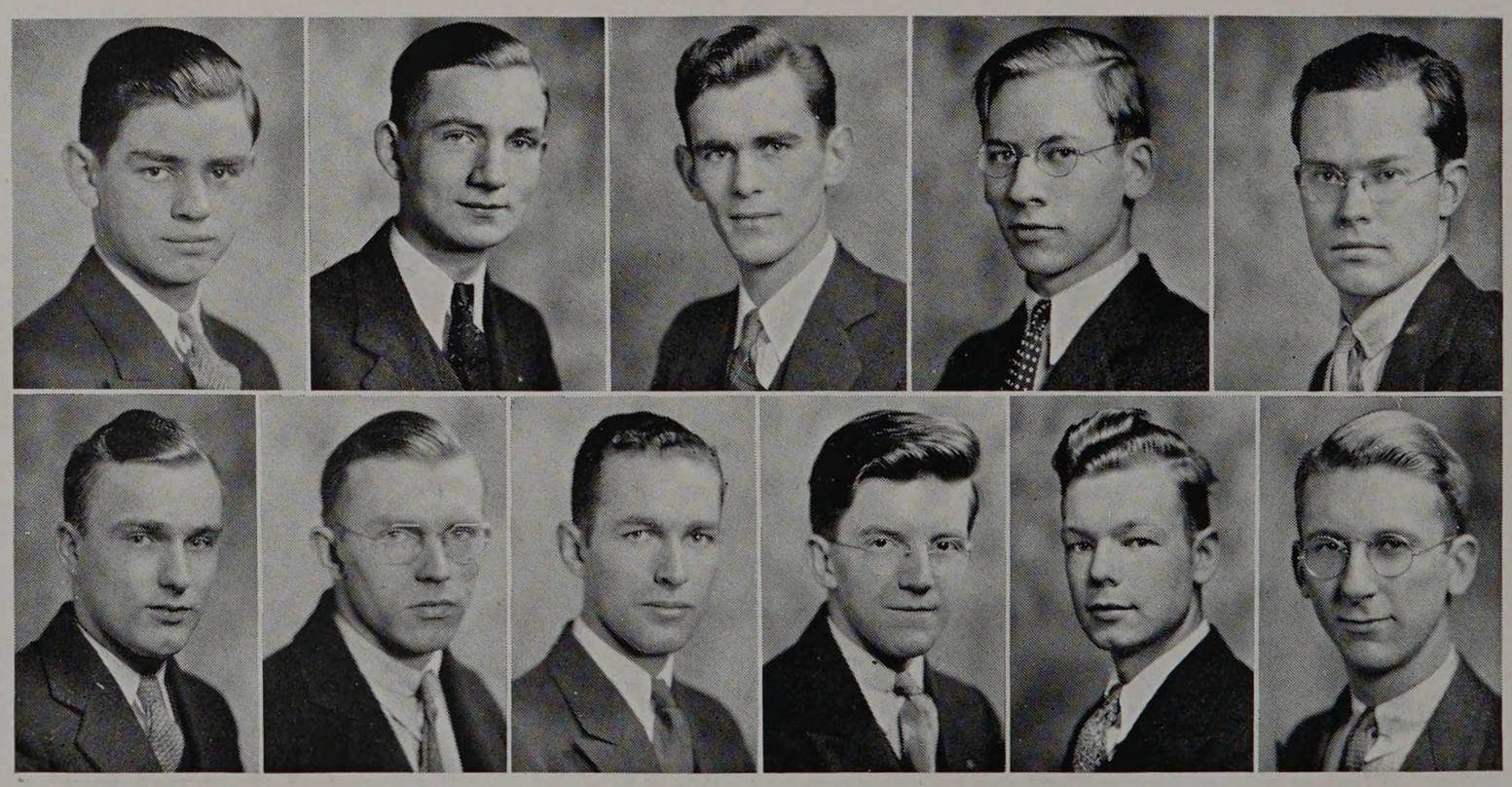
Eldon C. Grafton
John F. Mangold
Walter J. Bentley

ACTIVE MEMBERS

Curtis R. Bristol
William W. Burson
Kenneth E. Dunn
Armand J. Hahn
John A. Hazleton
John F. Humiston
Willis F. Kraemer
James A. McBride
Charles A. Schnackel
Edwin N. Searl
Newton W. Snashall
Myron B. Stevens
David C. Timberlake
Roy H. Wittekindt
Donald E. Young
Howard J. Zibble

PLEDGES

John A. Breh
Harold R. Cannon
Fred Denio
Cyril L. DuSell
John K. Morrison
John F. Sturgeon
George Svehla



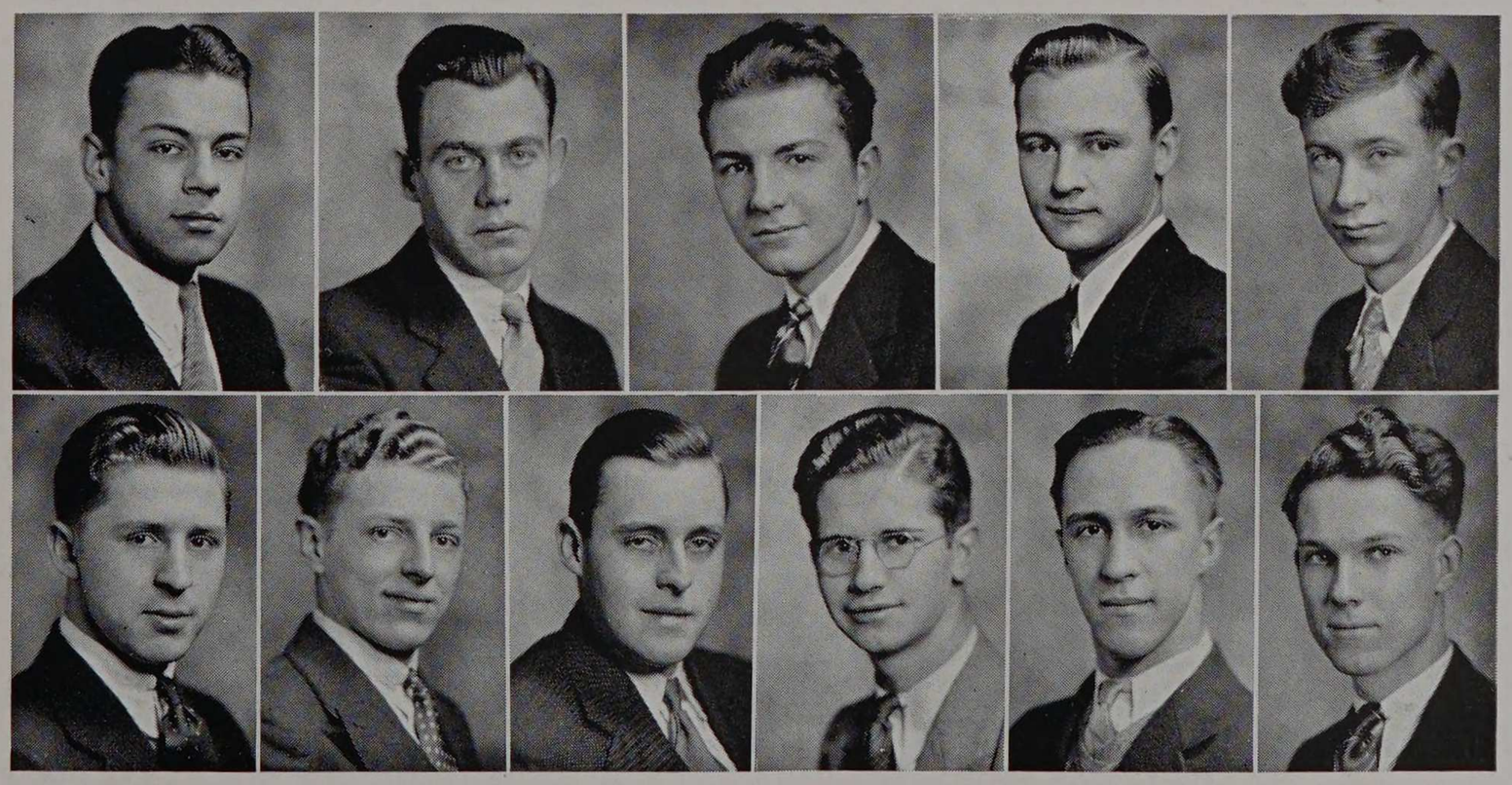
Bristol, Searl, Zibble, Wittekindt, Burson
DuSell, Dunn, Schnackel, Morrison, Snashall, Young

Colors
Black and Gold

Flower
None

SOCIAL CALENDAR

Rushee Dance	September 30
Rushee Smoker	October 2
Splash Party	October 5
Hallowe'en Dance	October 27
Parents' Tea	November 19
Thanksgiving Dance	November 24
Christmas Dance	December 23
Box Social	February 3
Initiation Banquet	February 11
St. Patrick's Party	March 17
Annual Alumni Smoker	April 15
Radio Party	April 27
Open House Night	May 16
Senior Farewell Dance	May 26



Kraemer, Hazleton, Hahn, Breh, Humiston
Denio, Svehla, Sturgeon, Cannon, Stevens, Timberlake

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

Morton Z. Fineman
Joseph M. Kerbert
Sol L. Ender
Albert A. Rootberg
Leonard Marcus

PLEDGES

Jan I. Ikenn
Bernard B. Riman
David Baker



Marcus, Rootberg, Rimon, Kerbert

Colors
Blue and White

Flower
None

SOCIAL CALENDAR

Rushing Smoker	September 29
Pledging Banquet	October 6
Pledge Party	October 28
Alumni Banquet	November 10
Christmas Party	December 23
Alumni Banquet	January 26
Initiation at Palatine	February 10
Dance	February 17
Alumni Banquet	March 7
Radio Party	March 31
Splash Party	April 20
Senior Farewell Party	June 2



Ikenn, Baker, Ender, Fineman

INTERFRATERNITY COUNCIL

J. Arthur Larson, Theta Xi ..... President

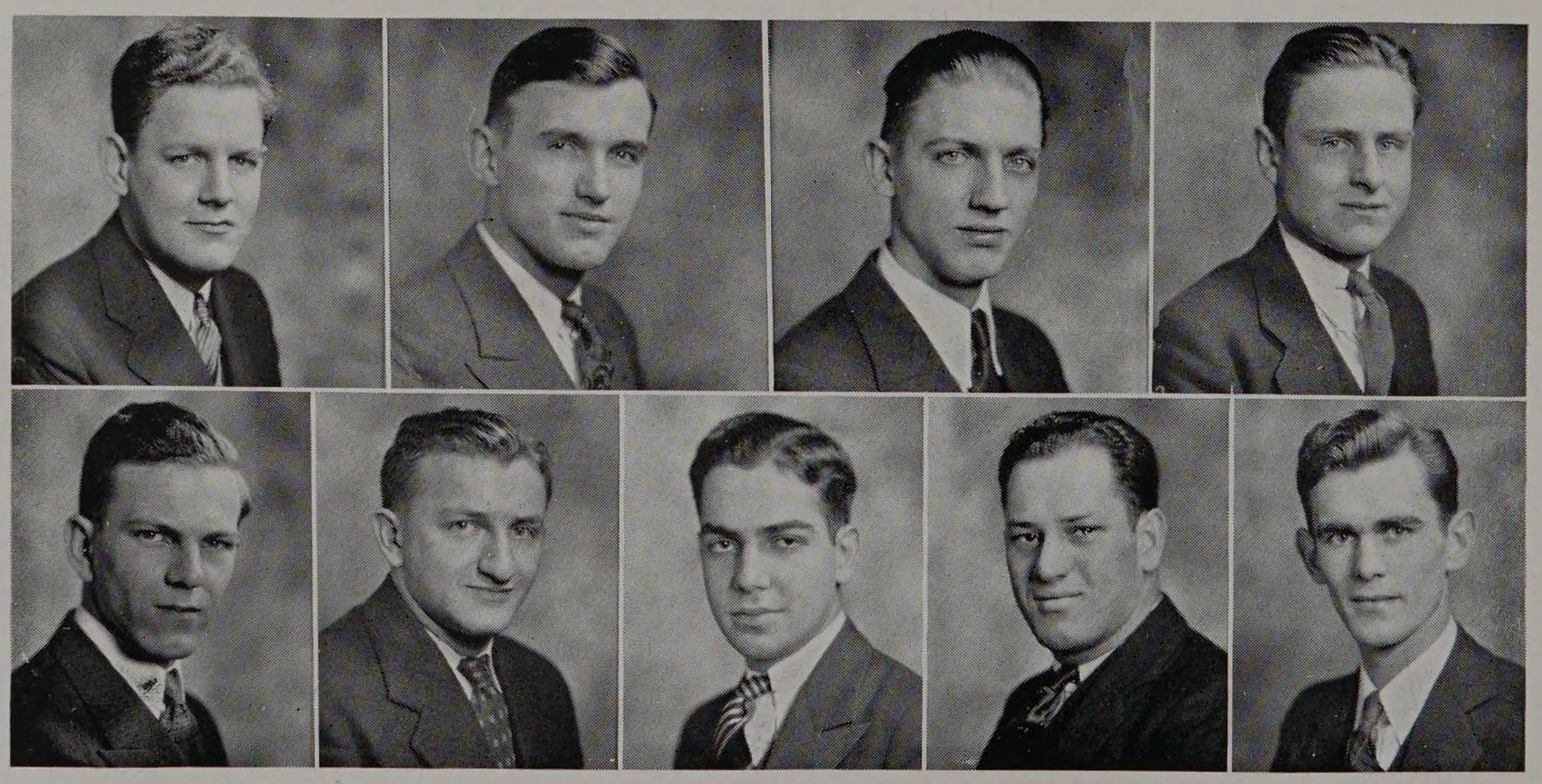
Phi Kappa Sigma	Carl H. Sachs, Jr.
Delta Tau Delta	Thomas C. Peavey
Theta Xi	J. Arthur Larson
Phi Pi Phi	Robert Simpson
Sigma Alpha Mu	Herbert Kreisman
Rho Delta Rho	Theodore Cohan
Triangle	Stephen M. Lillis
Beta Psi	Howard J. Zibble
Kappa Delta Epsilon	Leonard Marcus

The Interfraternity Council was organized in 1927 for the purpose of controlling relationships between Armour's nine social fraternities. It is the successor to the Interfraternity Rushing Committee.

The council is composed of the presidents of the respective groups, thereby giving each fraternity an equal voice in all controversies.

The purpose of the Interfraternity Council is to bring about a closer relationship between the fraternities as well as between the Institute and the fraternities. It also serves to iron out problems common to the fraternities and to handle the many interfraternity competitions to which this year was added a ping pong contest.

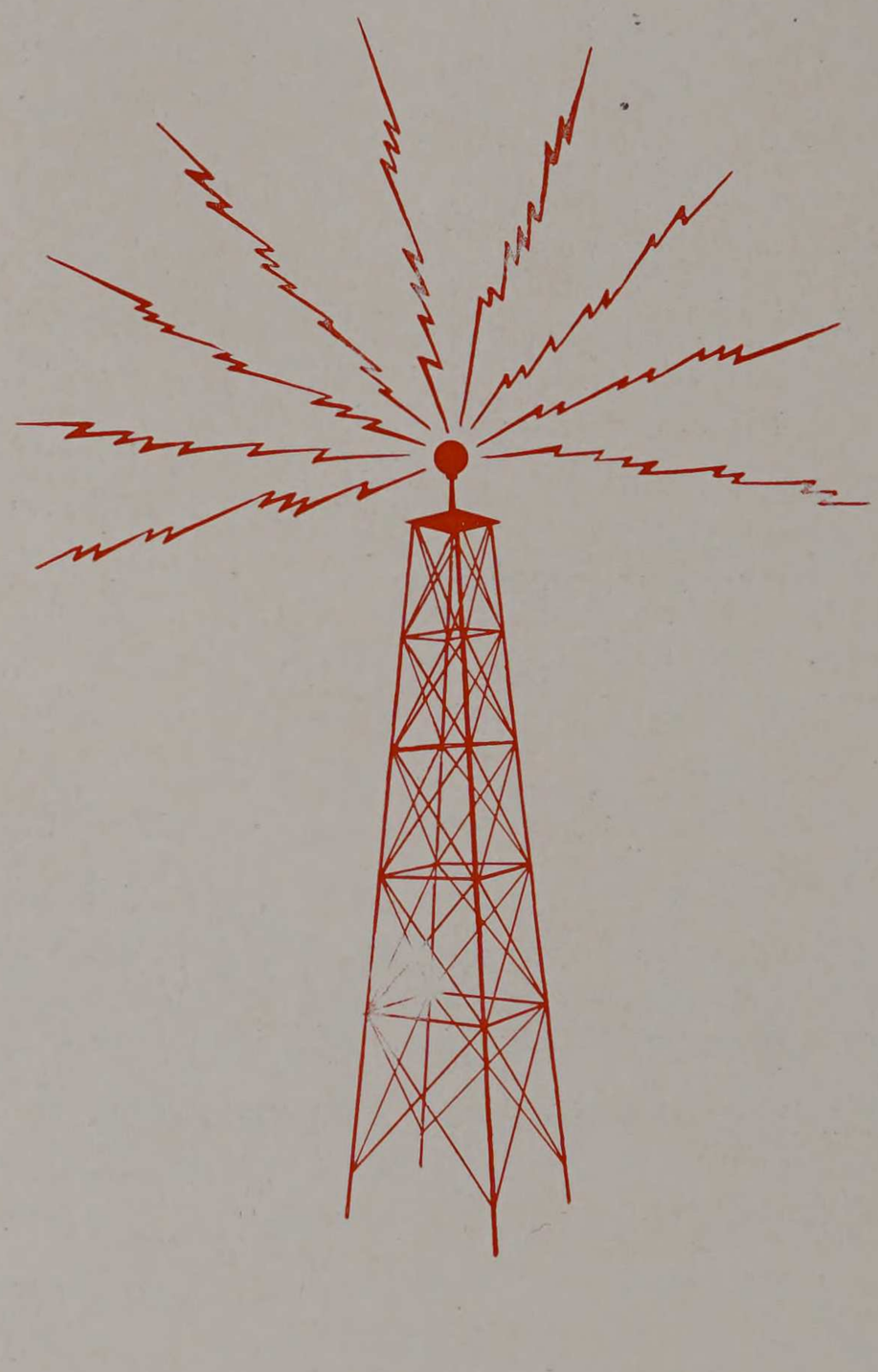
In an effort to make rushing less intense a fraternity hand book is published each year, the purpose of which is to acquaint the freshmen with the history and objectives of the various fraternities as well as to inform them of the rules and regulations adhered to by the said fraternities. The book has proved a great stride toward interfraternity organization and has been of unquestionable value both to men desirous of entering fraternities and to the fraternities themselves.



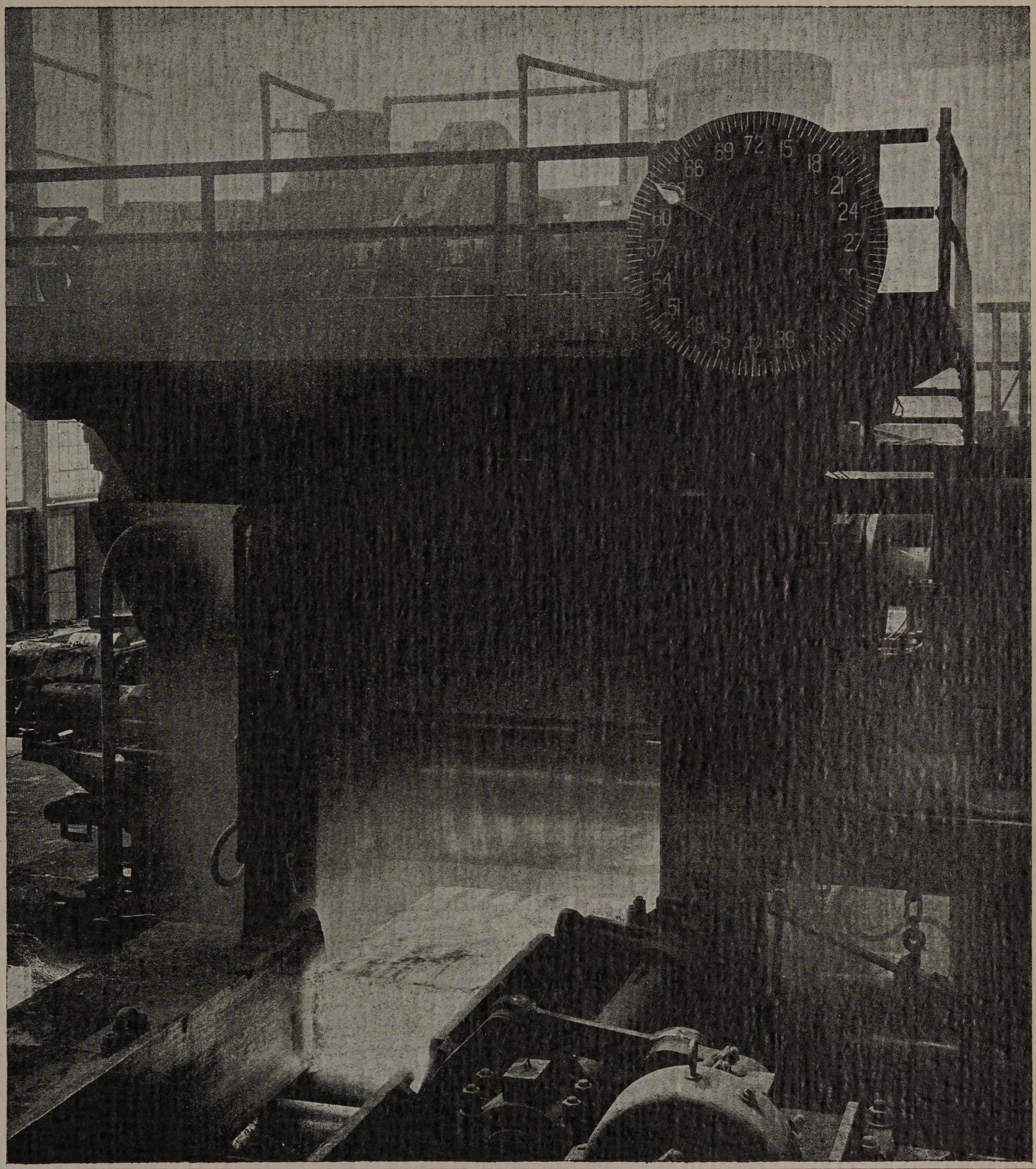
Larson, Lillis, Sachs, Peavey
Simpson, Marcus, Kreisman, Cohan, Zibble

STRAY GREEKS

John A. Benya	Illinois	Delta Alpha Pi
Robert H. Cheatham	North Carolina	Chi Psi
William R. Gilmore	Illinois	Sigma Chi
Charles P. Kuffel	Chicago	Lambda Chi Alpha
George D. Kruezkamp	Massachusetts Institute of Technology	Phi Kappa
Lowell J. Lammers	Massachusetts Institute of Technology	Delta Upsilon
Jerome R. Pinkus	Illinois	Phi Eta Sigma
Raymond J. Schwab	Illinois	Chi Psi



ADVERTISING



The rolling mill is one of the most colorful and spectacular of the many operations in the treatment of steel. 'Mid clouds of steam and flying steel bits the billet is forced through the mill many times till it comes out a long, straight bar of steel. The above scene is taken on the rolling floor of the Illinois Steel Company.

ARMOUR
INSTITUTE OF TECHNOLOGY

CHICAGO

Offers four-year courses and graduate work in

MECHANICAL ENGINEERING
ELECTRICAL ENGINEERING
CIVIL ENGINEERING
CHEMICAL ENGINEERING
FIRE PROTECTION ENGINEERING
ARCHITECTURE
SCIENCE

Programs of instruction are carefully planned to provide a background for advance in the professional fields; to develop a capacity for logical thinking; and to stimulate an active interest in current scientific, business, and social problems.

Summer Session June 18 to August 10

First semester begins September 17, 1934

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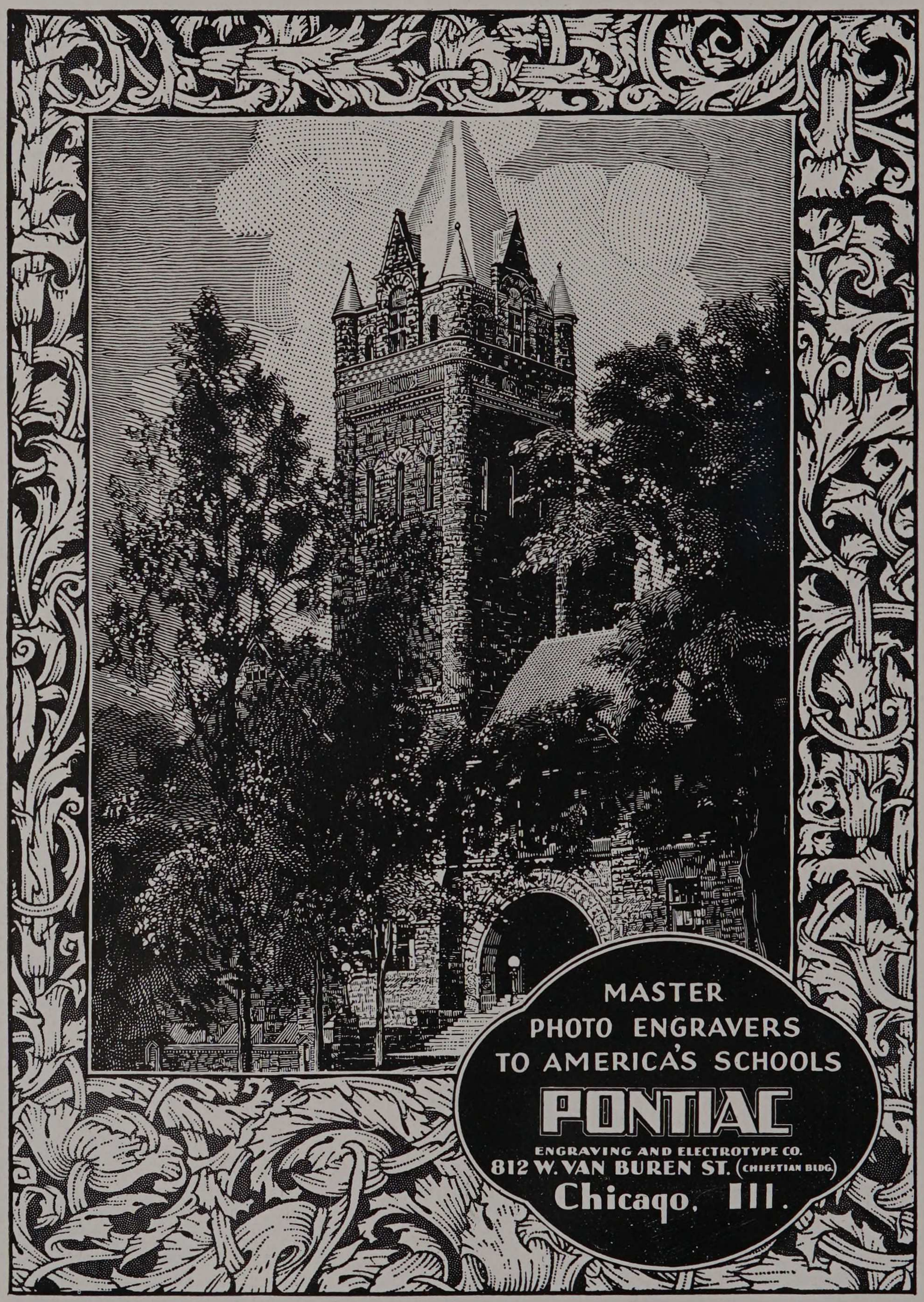
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