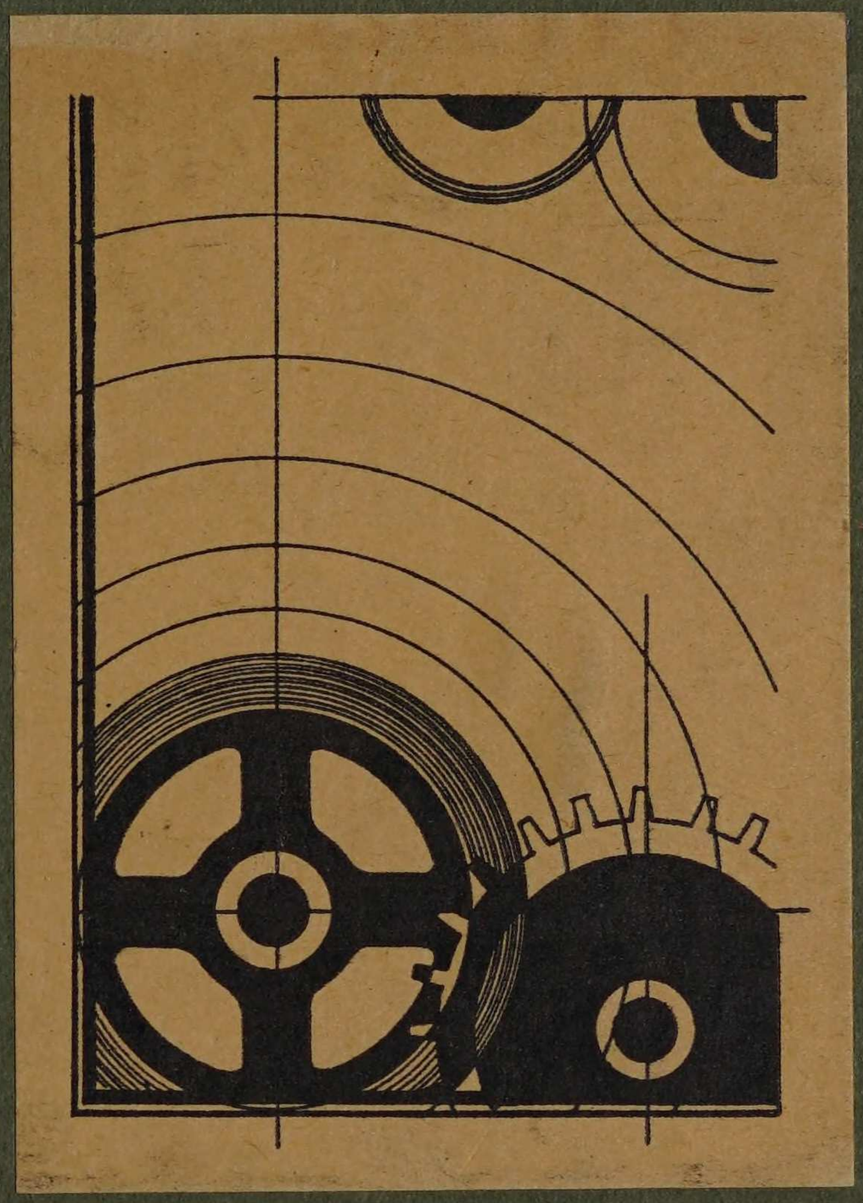


Andrew R. Woods, Jr.

THE CYCLE OF 1931

COMPILED AND EDITED

AT

CHICAGO, ILLINOIS

BY

ARTHUR HENRY JENS

EDITOR-IN-CHIEF

AND

EMMETT ANTHONY SCANLAN, JR.

BUSINESS MANAGER

VOLUME XIX

THE CYCLE
OF
1931

A YEAR BOOK

FOR

ARMOUR INSTITUTE OF TECHNOLOGY

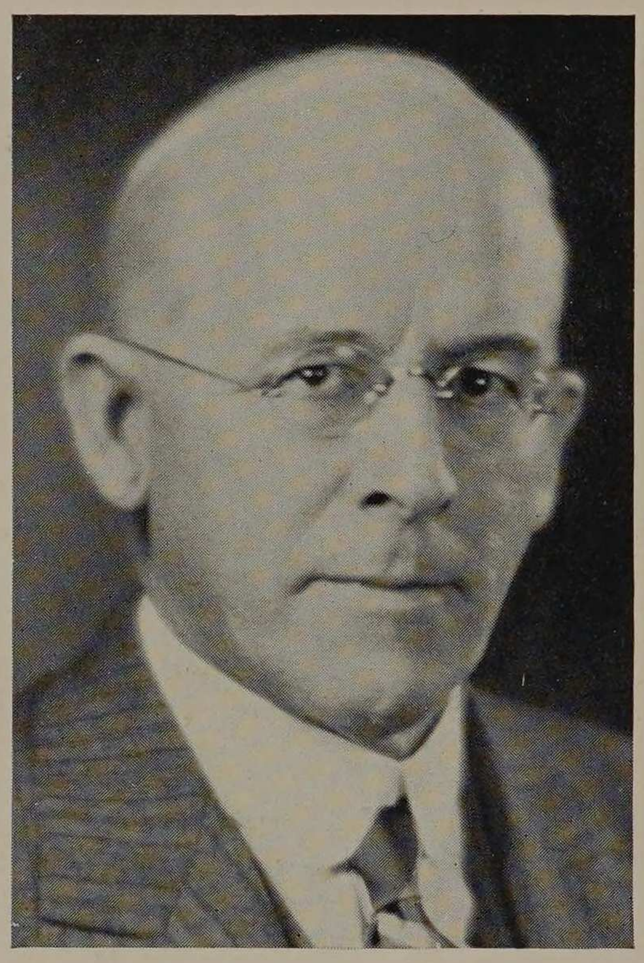
CHICAGO, ILLINOIS

PUBLISHED BY
THE CLASSES OF 1931 AND 1932

VOLUME XIX

George Sinclair Allison

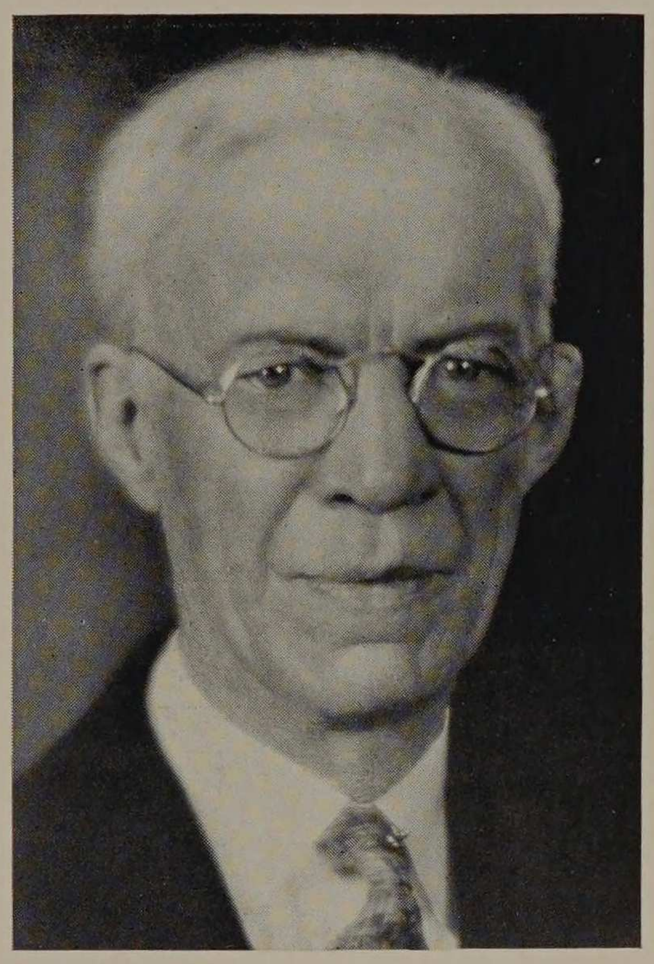
TO WHOM THE CYCLE OF 1931 IS DEDICATED HAS BEEN ACTIVELY CONNECTED WITH ARMOUR INTERESTS FOR THE PAST TWENTY-NINE YEARS. . . . HIS KEEN FORESIGHT AND UNDERSTANDING OF STUDENT PROBLEMS MARK HIM AS A TRUE ADMINISTRATIVE OFFICER. . . . NO MAN HAS WORKED ANY HARDER THAT THE PUBLICATIONS AT ARMOUR INSTITUTE OF TECHNOLOGY MIGHT ATTAIN THE HIGH POSITION THEY NOW ENJOY. . . . TO A MAN WHO HAS DONE SO MUCH THAT STUDENT IDEALS MIGHT BE REALIZED THIS VOLUME IS FITTINGLY DEDICATED.



CLAUDE IRWIN PALMER

In Memoriam

The sudden and unexpected death of Dean Claude Irwin Palmer was a great shock to the faculty, students, and alumni of Armour Institute of Technology. Indeed it came with all the force of a stunning blow to all the friends of our beloved Institute and has left a sense of personal loss and bereavement that is in itself a high tribute to the sterling worth and fine personal qualities of Professor Palmer. There remains in our hearts the feeling of a void that only Time can heal. The students have lost a faithful friend and wise counsellor; the faculty, a dear comrade; the Institute, an able executive and a splendid teacher; the mathematical world, the author of many of the best textbooks on the market. All alike lament the early termination of so useful a life and so fine a career. This fine flower of American culture has been cut down by the grim reaper. But its fragrance will still linger with us. Its beauty has left an inalienable inheritance.



ALFRED EDWARD PHILLIPS

In Memoriam

Dr. Alfred Edward Phillips came to Armour Institute of Technology in 1899 to become the first head of the Department of Civil Engineering, and he continued that work with outstanding success until his death in April of this year. He had great native ability and this was backed by successful experience both as a teacher and as a practicing engineer. While known in the profession as an able engineer he enjoyed teaching, and his principal energies were given to his students and to the school he loved. Men who had the privilege of studying under Professor Phillips will remember his profound scholarship, his sympathetic interest in his students, his thoughtfulness and eagerness to be helpful, his highly developed sense of humor, his wonderfully pleasing personality, and above all, his devotion to high ideals. His friends generally will keep him in loving remembrance for the same qualities of character that endeared him to his students.

We all feel an irreparable loss in the passing of this great teacher, this kindly gentleman, our good friend.

IN MEMORIAM

JESSE G. FRASER
CLASS OF 1913

DUANE L. HELLER
CLASS OF 1924

JAMES J. KARA
CLASS OF 1930

JOSEPH A. LUZQUINOS
CLASS OF 1933

BOOK I

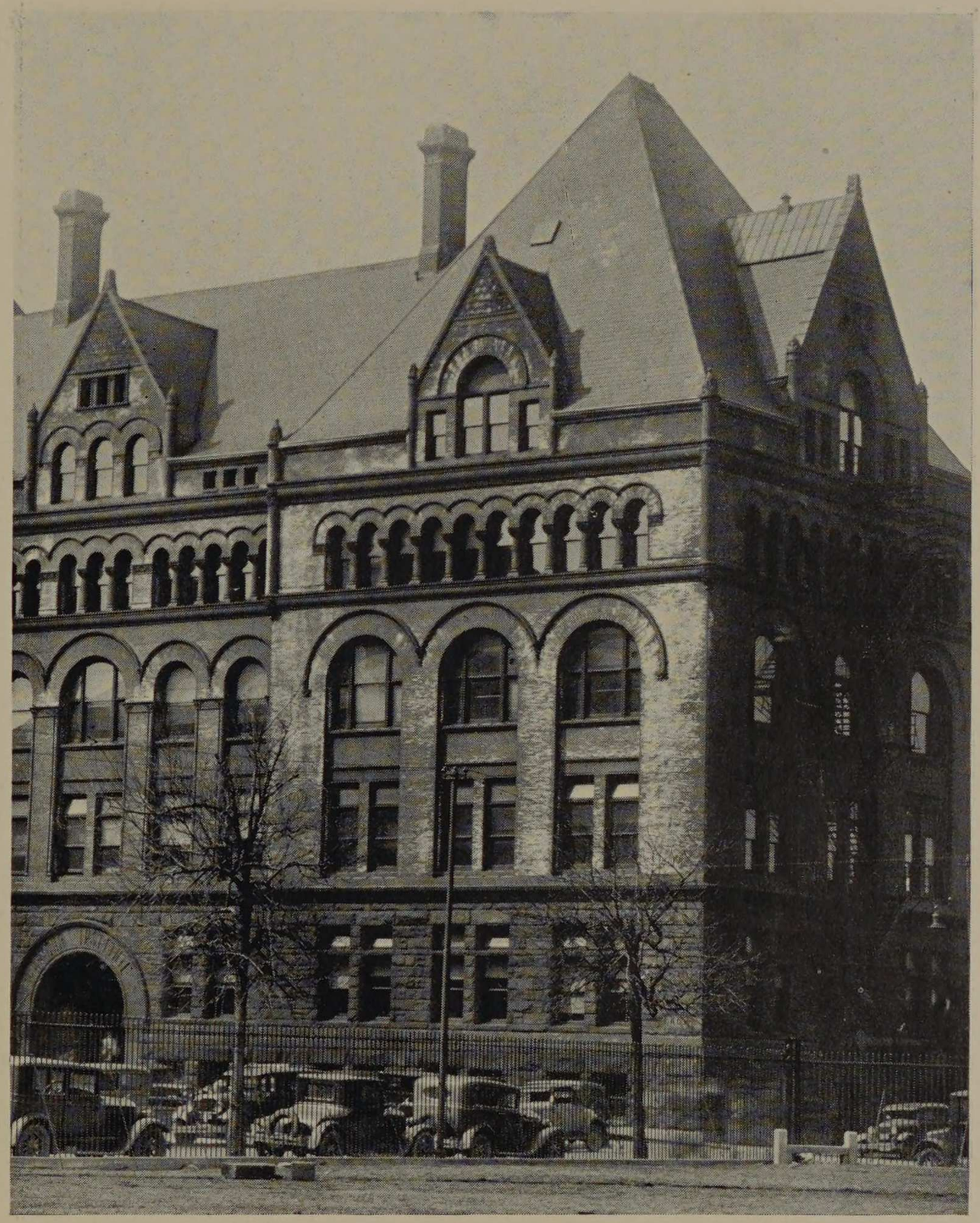
CONTENTS OF BOOK I

INSTITUTE

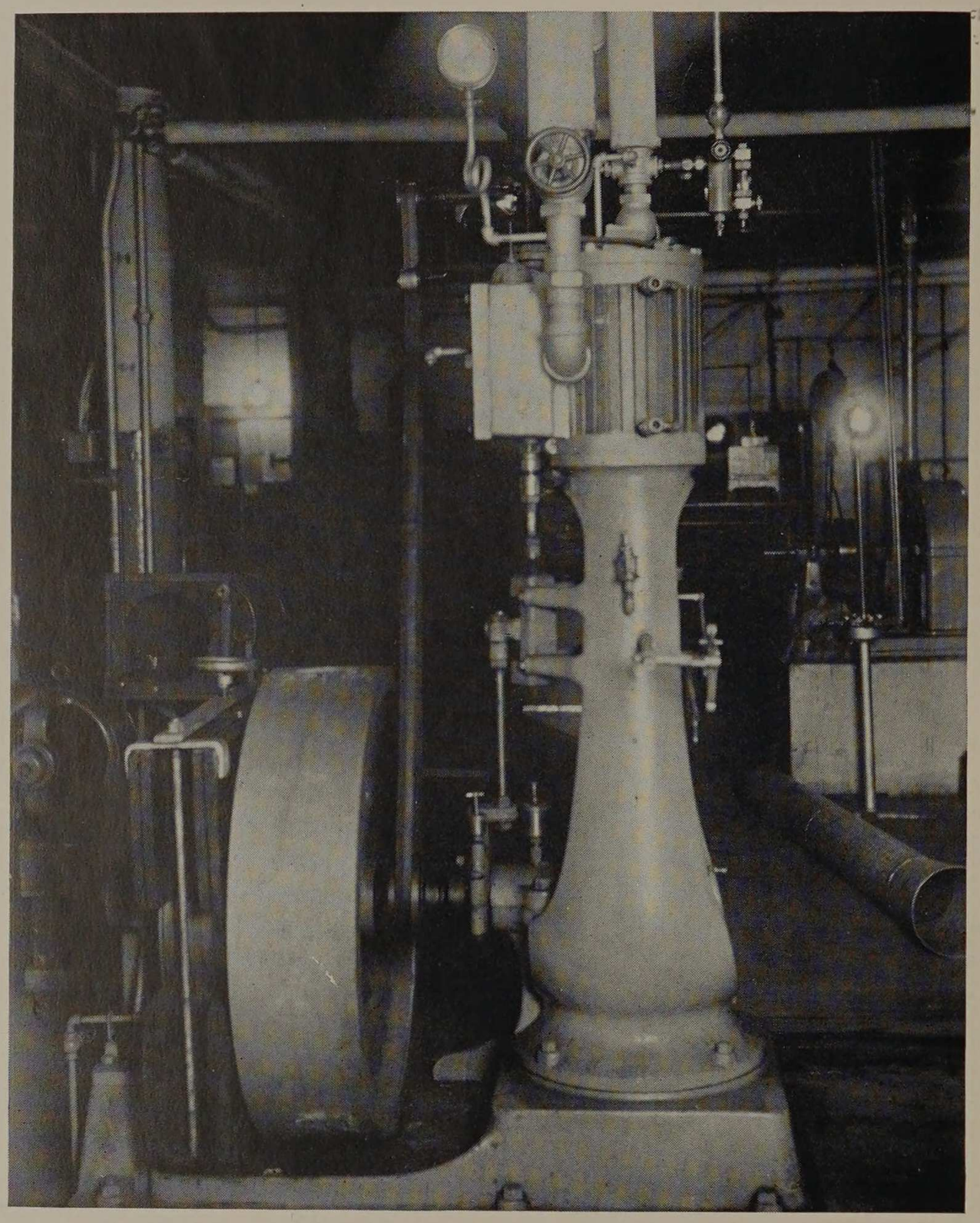
ADMINISTRATION

FACULTY

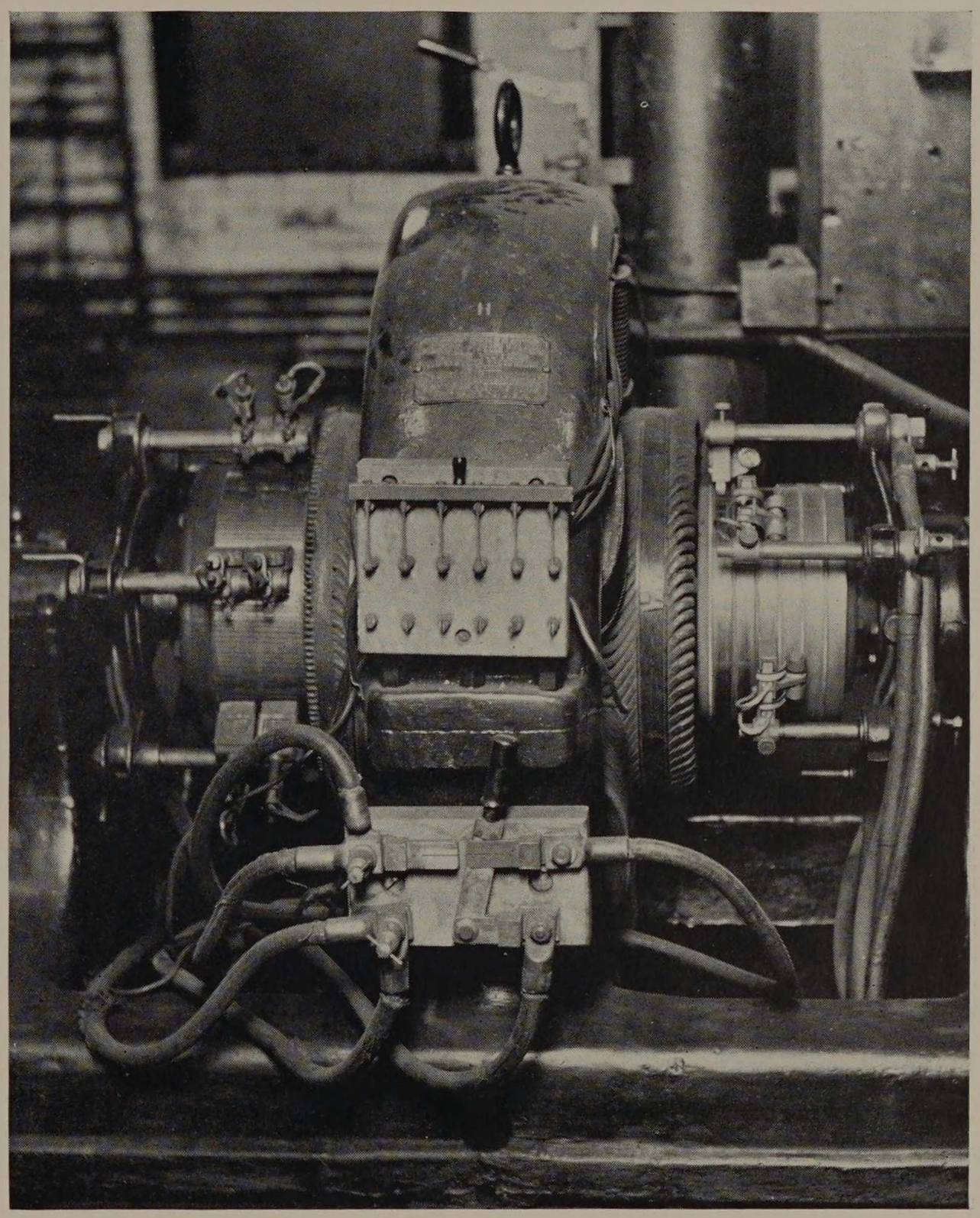
ALUMNI



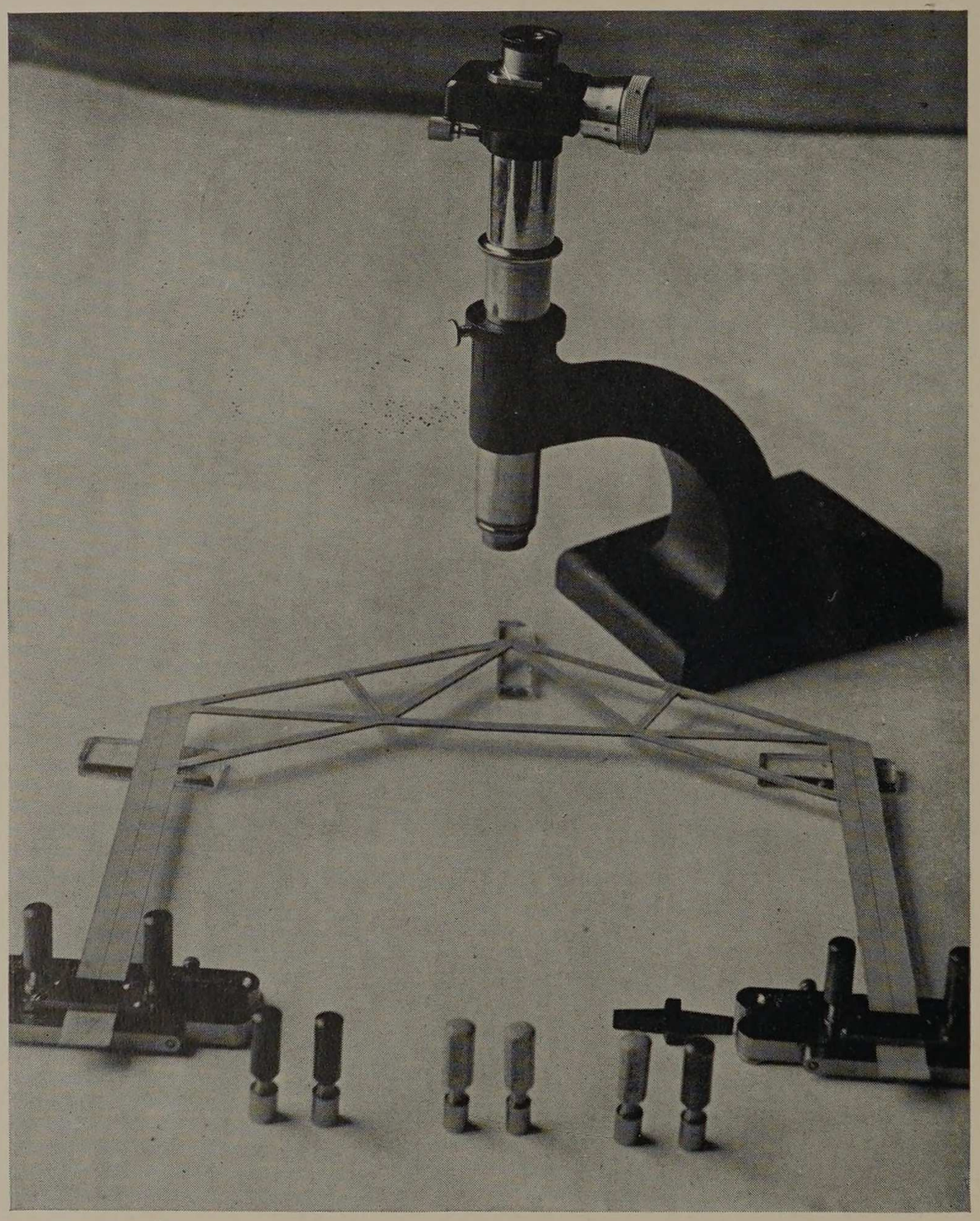
Main Building
Armour Institute of Technology



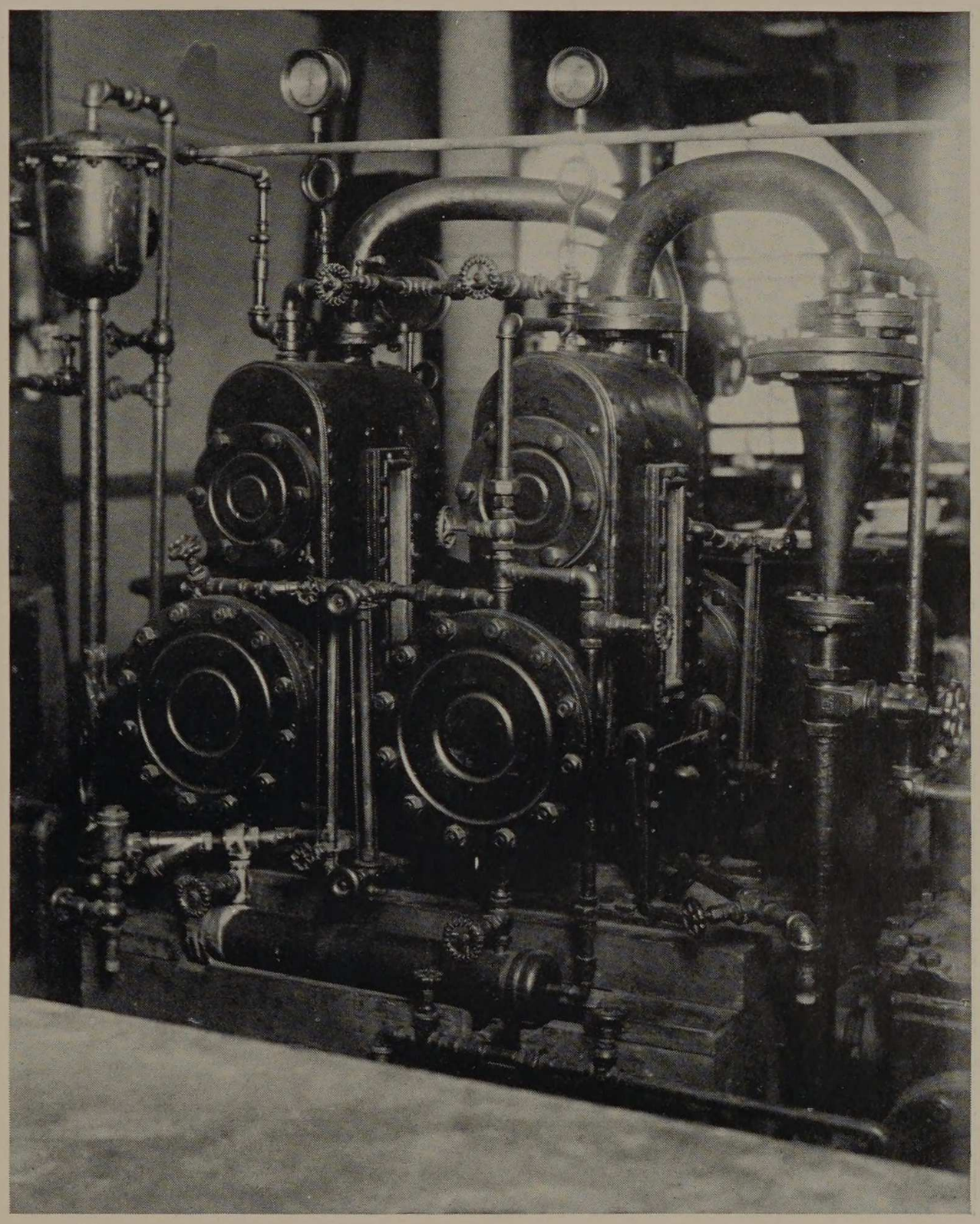
Department of Mechanical Engineering



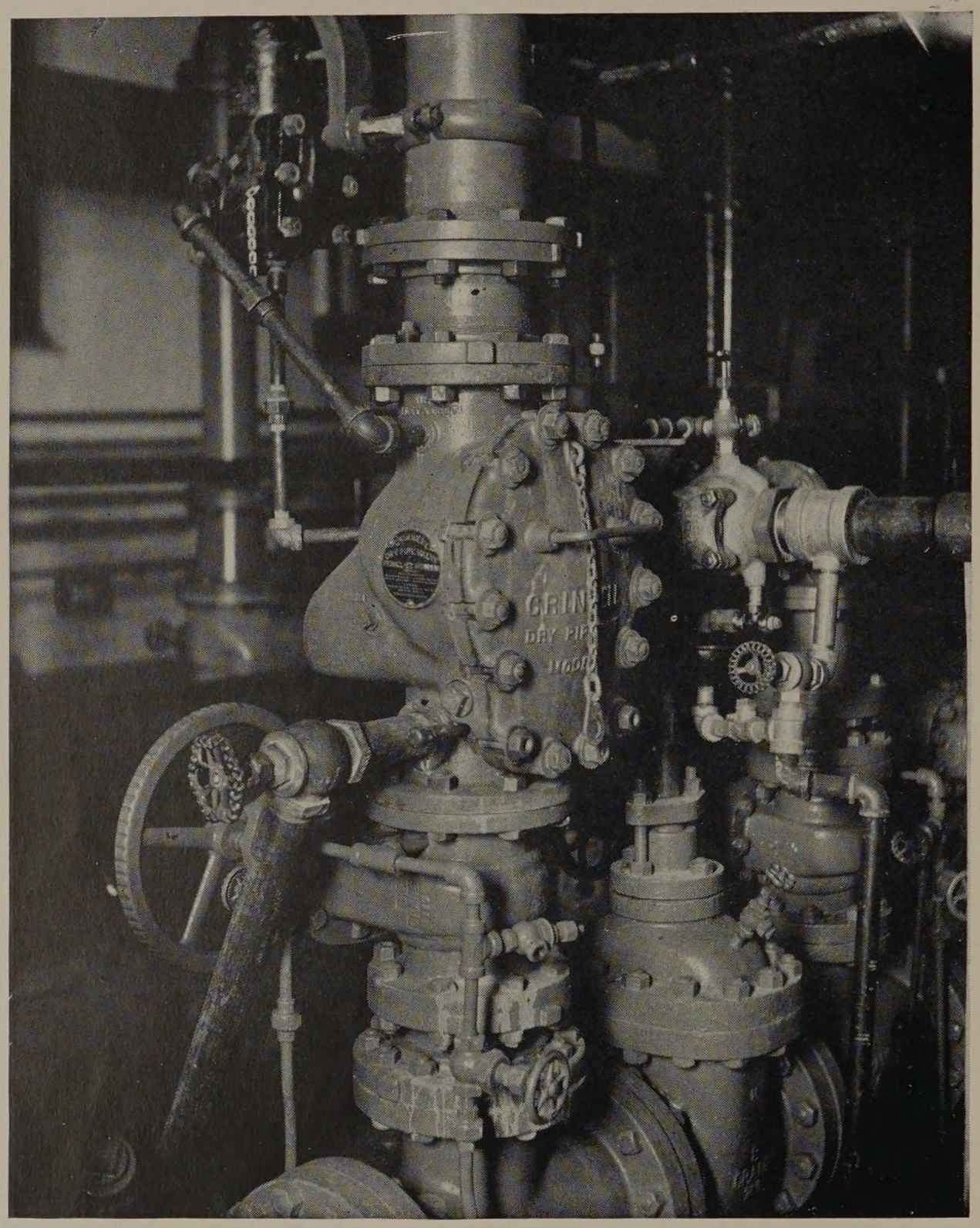
Department of
Electrical Engineering



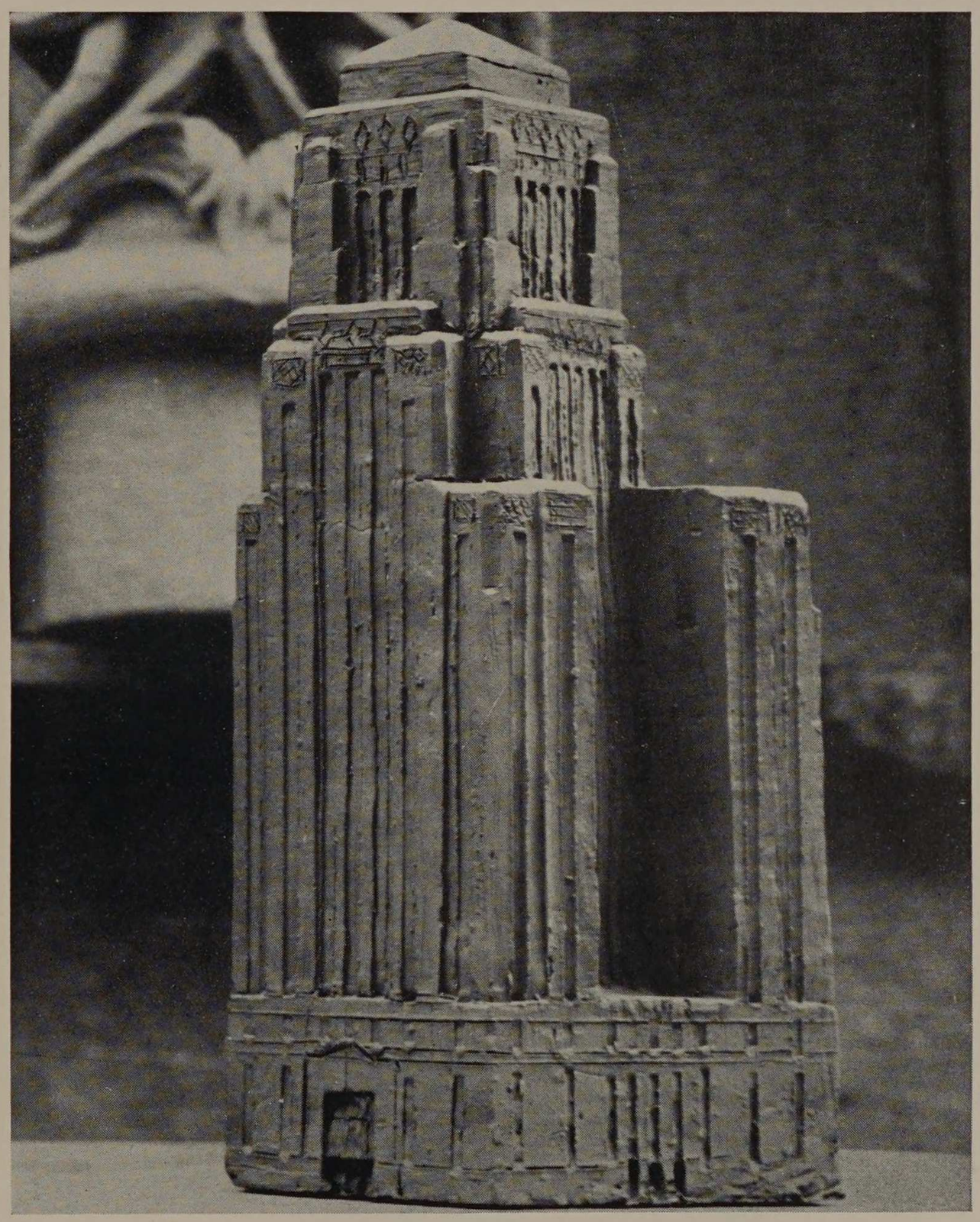
Department of
Civil Engineering



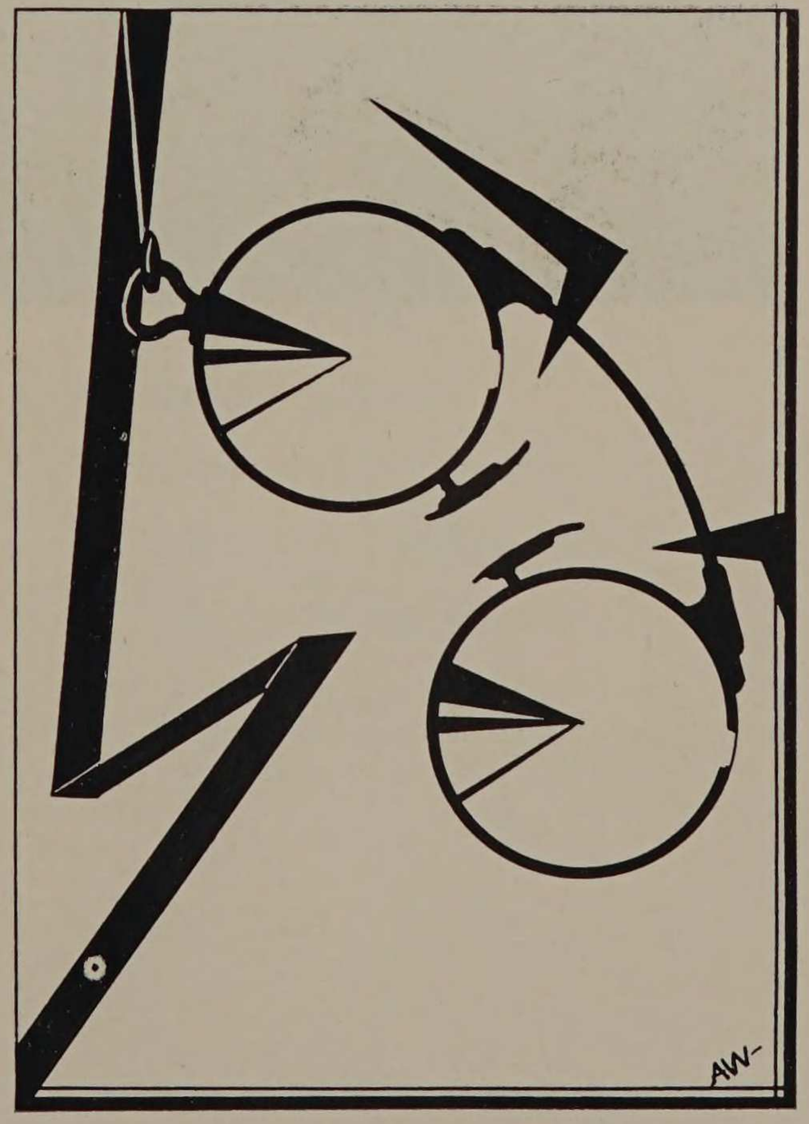
Department of Chemical Engineering



Department of
Fire Protection Engineering



Department of Architecture



ADMINISTRATION

DR. HOWARD MONROE RAYMOND

PRESIDENT OF ARMOUR INSTITUTE
OF TECHNOLOGY

John J. Mitchell, Philip D. Armour, Roy M. Henderson, Alfred S. Alschuler, Robert B. Harper
Samuel Insull, Lester Armour, Howard M. Raymond, Charles J. Faulkner, Jr., John J. Schommer

TRUSTEES

John J. Mitchell
Philip D. Armour
Roy M. Henderson
Alfred S. Alschuler
Robert B. Harper
Samuel Insull
Lester Armour
Howard M. Raymond
Charles J. Faulkner, Jr.
John J. Schommer

Phillips, Paul, Raymond, Freeman, Cooper
Reed, Palmer, Penn, Gebhardt
Finnegan, McCormack, Perry, Wilcox, Scherger

COMMITTEE ON EDUCATIONAL POLICY

Howard Monroe Raymond
Chairman

*Claude Irwin Palmer
John Cornelius Penn
Robert Vallette Perry
*Alfred Edward Phillips
George Frederick Gebhardt
George Lawrence Scherger
Guy Maurice Wilcox
Harry McCormack
Ernest Harrison Freeman
Charles Edward Paul
Joseph Bernard Finnegan
Earl Howell Reed, Jr.
Clyde Barnes Cooper

* Deceased

R. V. Perry, P. D. Armour, G. S. Allison, C. W. Palmer
H. M. Raymond
E. Steele, C. I. Palmer, J. C. Penn, W. E. Kelly

ADMINISTRATION

Howard Monroe Raymond
President

Philip Danforth Armour
Vice-President

George Sinclair Allison
Secretary and Treasurer

John Cornelius Penn
Dean of Engineering

*Claude Irwin Palmer
Dean of Students

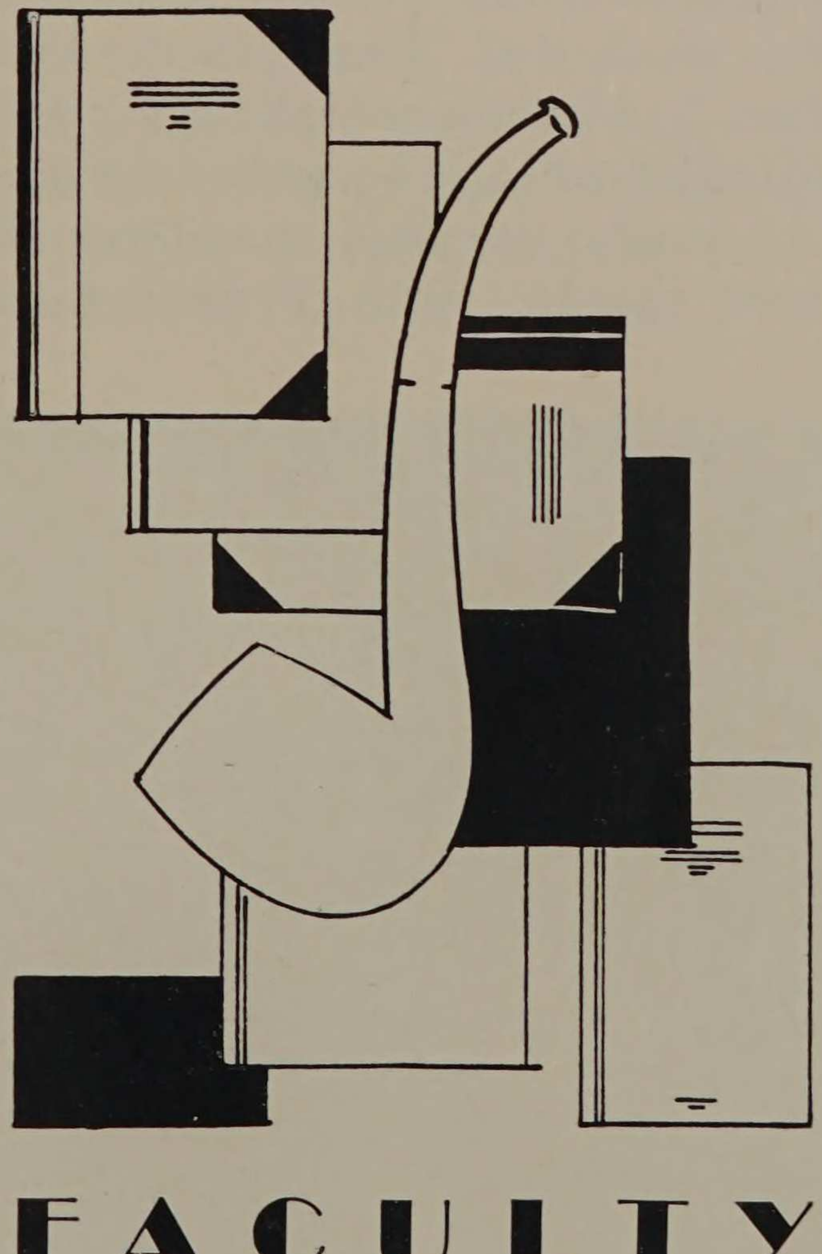
Robert Vallette Perry
Director of Evening Classes

Ellen Steele
Librarian

Wilmot Cecil Palmer
Cashier

William Ernest Kelly
Recorder

* Deceased



FACULTY

FACULTY CLUB

Comes the time for relaxation. Numerous individuals, styled in-bloc "the faculty," having divested themselves of their cloaks of office, their professional airs, or what have you, emerge individually or in small groups from their various dens of iniquity, sniff the atmosphere of freedom, take on a new lease of life, and betake themselves to a common destination. "Long John" lumbers down the stairs entirely oblivious of his arduous duties just laid aside, and meditates over the most recent addition to his repertoire that he may be prepared, should the occasion become propitious. "John, the Baptist," slinks unsuspectingly forth to possibly change his role to that of "Daniel in the Lions' Den." Machinery Hall heaves a sigh of relief when it becomes relieved of the many weighty characters who now venture forth, including none other than that august gentleman, the "General" and the redoubtable Pete, the politician. Others, no less prepossessing, pass in review. But—a blast of trumpets; the doors of Main Building open, and the Officers of Administration make their appearance:

> With measured tread and stately mien,
> They venture forth upon the scene.
> Not a single action must belie
> The college, they personal;
> Their present state, one would not think
> Could be transferred in just a wink.

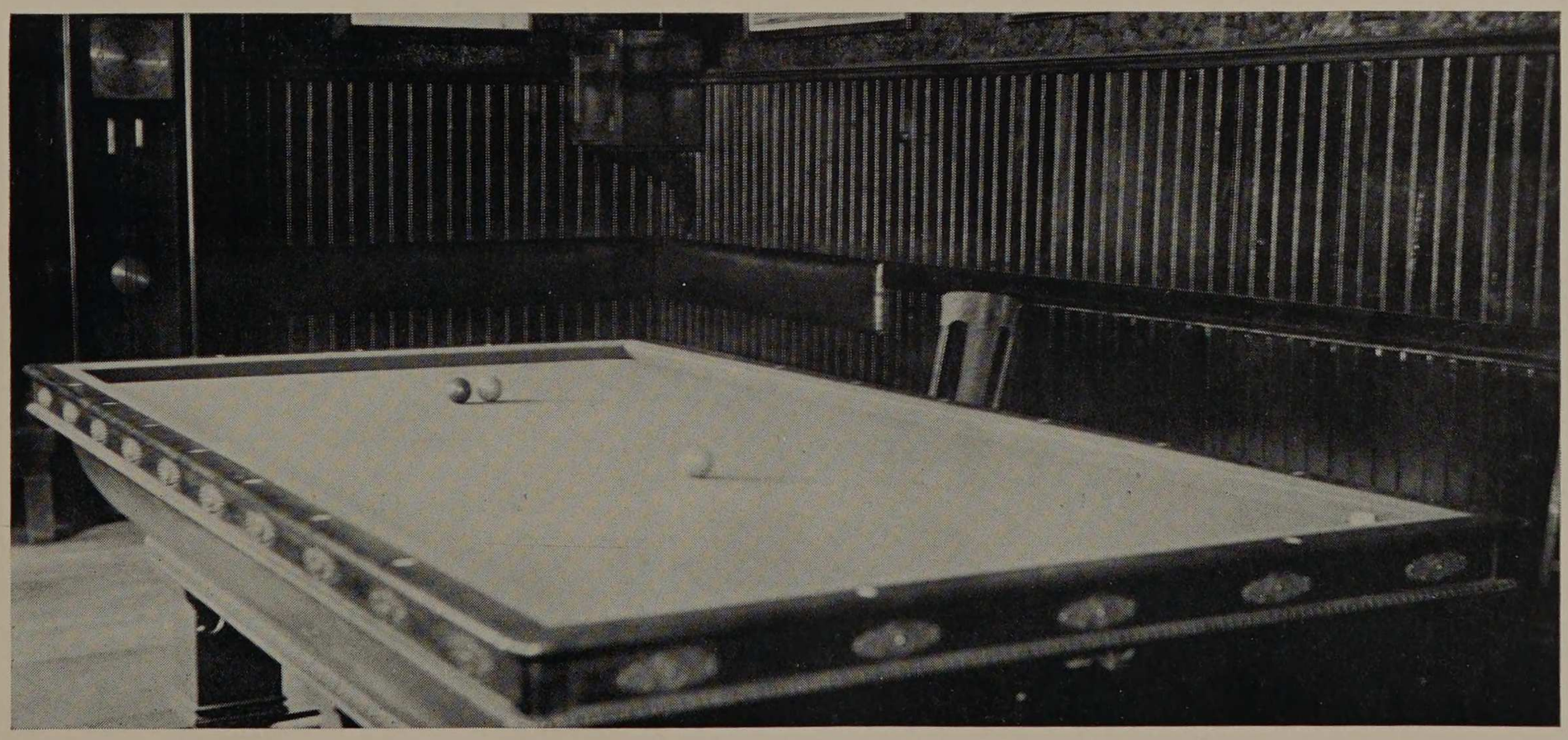
All are arrived. They become dispersed, individually and severally. Some seek entertainment through the medium of the radio, or through reading or perusing the periodicals available. Others are seated around the billiard table witnessing a contest that is replete with skillful, daring and safe plays. The players are ridiculed, criticized, admonished, directed and

FACULTY CLUB

applauded by the onlookers at any or all times. Otherwise conversation, discussion, or argumentation waxes supreme. Subjects, political, economic, social, historical, or technical are brought before those assembled generally by some insidious character, and are discussed by both those informed and those uninformed. One subject gives way to another in rapid succession. You can help yourself to any or all of them either audibly or silently. Yours is an unfettered, a free state or existence in a very beclouded atmosphere, however.

But there is a villain in every story. He enters the room, casts a furtive glance at those present. A peculiar grin comes over his face. It bespeaks evil. He moves stealthily over to a steel cabinet and procures several envelopes, which he deftly fingers. Oh, yes; he is the collector of internal revenue, R. V. P., and this is the first of the month, his accounts are prepared, and he is setting forth to exact tribute from the unsuspecting victims for the tobacco and billiards which they have enjoyed during the previous month. He moves slyly around the room, eyeing his prey, lest he try to escape. But little or no chance of that. He is upon him, and presently "Eighty-seven cents, please." Having relieved him of a goodly share of his worldly possessions, he passes on to further appease his appetite through the discomfiture of another of his brethren.

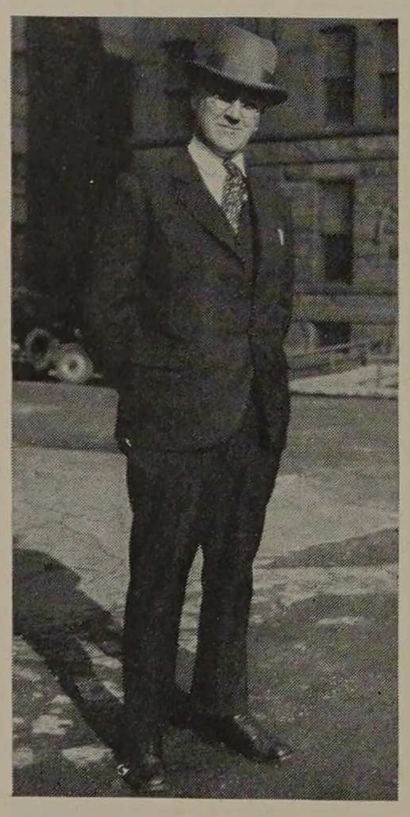
The magazines are tossed back to the table. The radio is turned off. The conversation dies down. The congregation dwindles away. They are returning to their various duties according to their schedules. Few remain in the FACULTY CLUB.



Palmer, Penn, Phillips, Gebhardt, Scherger
Wilcox, McCormack, Freeman, Paul, Finnegan

*Claude Irwin Palmer A.B.
Dean of Students, Professor of Mathematics, and Head of the Department.

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



J. C. Penn

*Alfred Edward Phillips A.B., A.M., C.E., Ph.D.
Professor of Civil Engineering, and Head of the Department.
Sigma Xi, Honorary Member of Triangle, Honorary Member of Tau Beta Pi, Honorary Member of Chi Epsilon, Phi Delta Theta.

George Frederick Gebhardt A.B., M.A., M.E.
Professor of Mechanical Engineering, and Head of the Department.
Tau Beta Pi, Pi Tau Sigma, Phi Delta Theta.

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

*Deceased.

Guy Maurice Wilcox A.B., A.M.
Professor of Physics, and Head of the Department.

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

Ernest Harrison Freeman B.S., E.E.
Professor of Electrical Engineering, and Head of the Department.
Phi Pi Phi, Tau Beta Pi, Eta Kappa Nu, Phi Kappa Phi.

Charles Edward Paul S.B.
Professor of Mechanics, and Head of the Department.
Tau Beta Pi, Sphinx, Theta Xi.

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

Reed, Cooper, Amsbary, Snow, Wells
Perry, Leigh, Moreton, Freud, Tibbals

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

Clyde Barnes Cooper A.M., Ph.D.
Professor of English, and Head of the Department.

Wallace Bruce Amsbary
Professorial Lecturer in General Literature.

John Edwin Snow
B.S., A.M., M.S., E.E.
Professor of Electric Power Production.
Eta Kappa Nu.

Melville Baker Wells B.C.E., C.E.
Professor of Civil Engineering, and in charge of Aeronautical Engineering.
Tau Beta Pi, Honorary Member of Chi Epsilon, Phi Delta Theta.

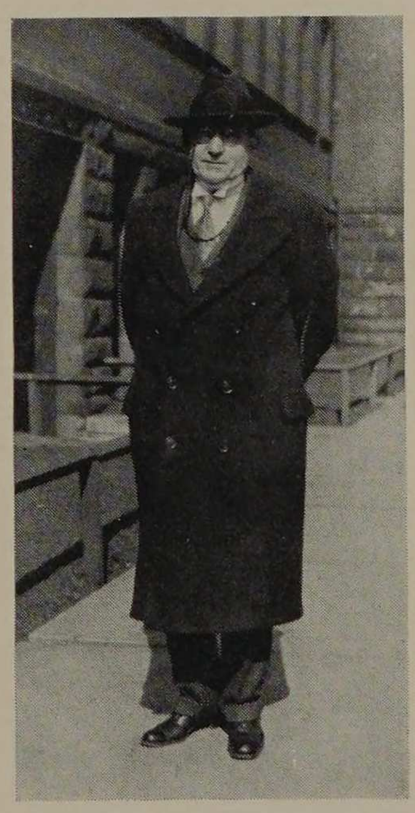
Robert Vallette Perry B.S., M.E.
Professor of Machine Design, and Director of Evening Classes.
Tau Beta Pi, Pi Tau Sigma, Theta Xi.

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

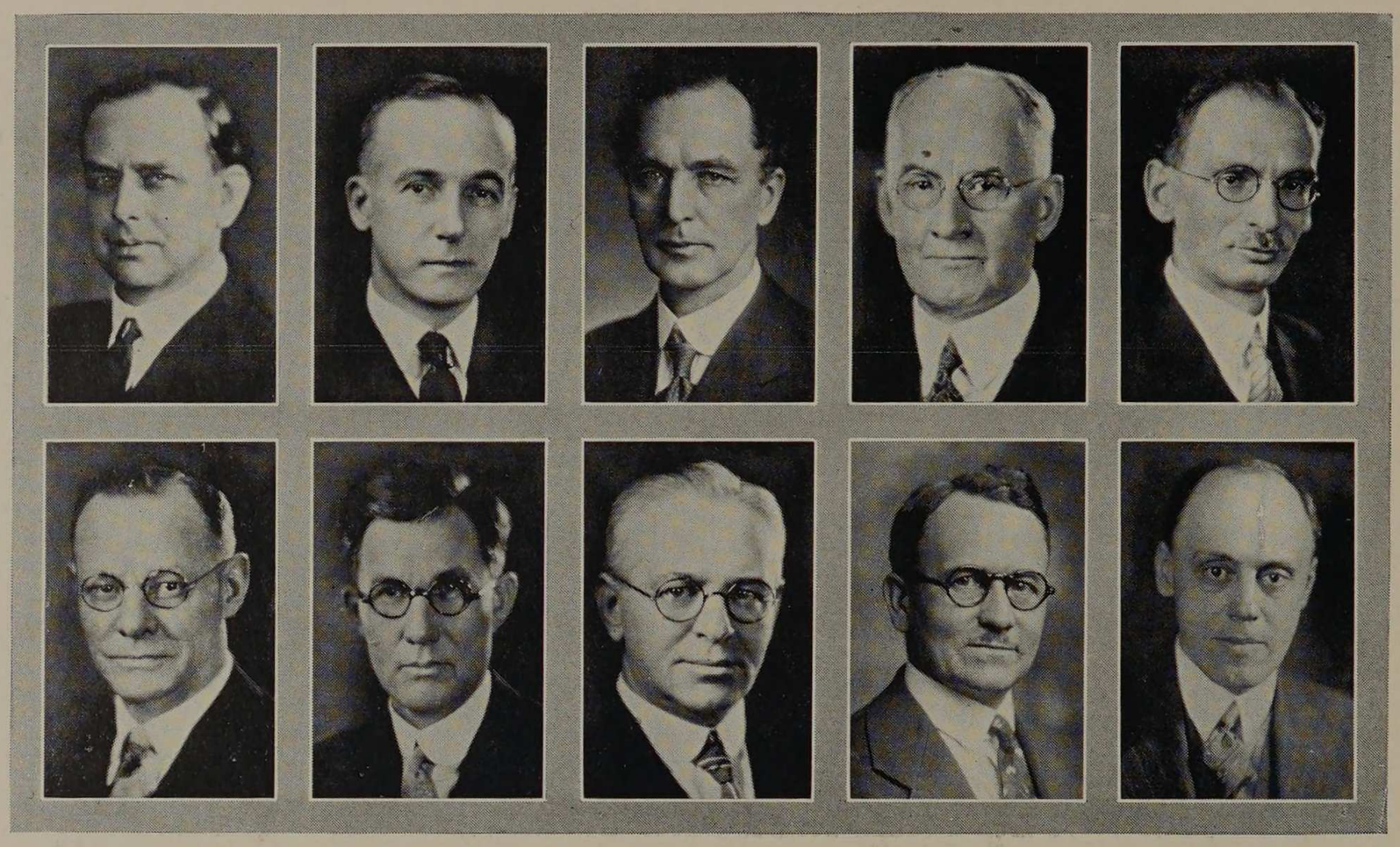
David Penn Moreton B.S., E.E.
Professor of Direct and Alternating Current Machinery.
Tau Beta Pi, Eta Kappa Nu, Sigma Kappa Delta.

Benjamin Ball Freud Ph.D., Ch.E.
Professor of Organic Chemistry.
Phi Beta Kappa, Sigma Xi.

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



W. B. Amsbary



Roesch, Peebles, Doubt, Clifford, Nachman
Libby, Huntly, Gill, Mangold, Krathwohl

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

James Clinton Peebles B.S., E.E., M.M.E.
Professor of Experimental Engineering.
Sigma Xi, Gamma Alpha, Tau Beta Pi, Pi Tau Sigma, Sphinx, Sigma Kappa Delta.

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

Oliver Charles Clifford A.B., Ph.D.
Professor of Electrical Engineering.
Sigma Xi.

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

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

Philip Conrad Huntly B.C.E.
Associate Professor of Experimental Engineering.
Tau Beta Pi, Pi Tau Sigma, Chi Epsilon, Sigma Chi, Triangle.

Eugene Edward Gill A.B., Ph.B., Ph.D.
Associate Professor of General Chemistry.
Phi Beta Kappa.

John Frederic Mangold B.S., C.E.
Associate Professor of Mechanics.
Beta Psi.

William Charles Krathwohl A.B., M.A., Ph.D.
Associate Professor of Mathematics.

O. E. Clifford

Krehbiel, Swineford, Robinson, Stevens, Hendricks
Hammett, Winston, Colvert, Nash, Carpenter

Albert H. Krehbiel
Associate Professor of Freehand Drawing and Water Color.

Charles Roscoe Swineford B.S.
Associate Professor of Machine Design.

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

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

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

Ralph Warner Hammett B.S., A.M.
Associate Professor of Architectural History.
Tau Beta Pi, Scarab, Alpha Rho Chi, Tau Sigma Delta, Acacia.

Stanton Edwin Winston
A.B., B.S., A.M., M.E.
Associate Professor of Kinematics.

William White Colvert A.B., A.M.
Associate Professor of Physics.
Sigma Xi.

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

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

R. L. Stevens

Davies, McNamara, Lautz, Wilmanns, Schommer
McCaughey, Zettler, Foster, Bentley, Bibb

Lynn Eugene Davies B.S.
Associate Professor of Experimental Engineering.

John Francis McNamara B.S., M.D.
Medical Adviser, and Examining Physician.
Kappa Psi.

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

August Christian Wilmanns B.S.
Assistant Professor of Architectural Construction.

John Joseph Schommer B.S., Ch.E.
Assistant Professor of Industrial Chemistry.
Phi Kappa Sigma.

William Frank McCaughey, Jr. A.B.
Assistant Professor of Architectural Design.
Honorary Member of Triangle, Delta Skull, Sigma Nu.

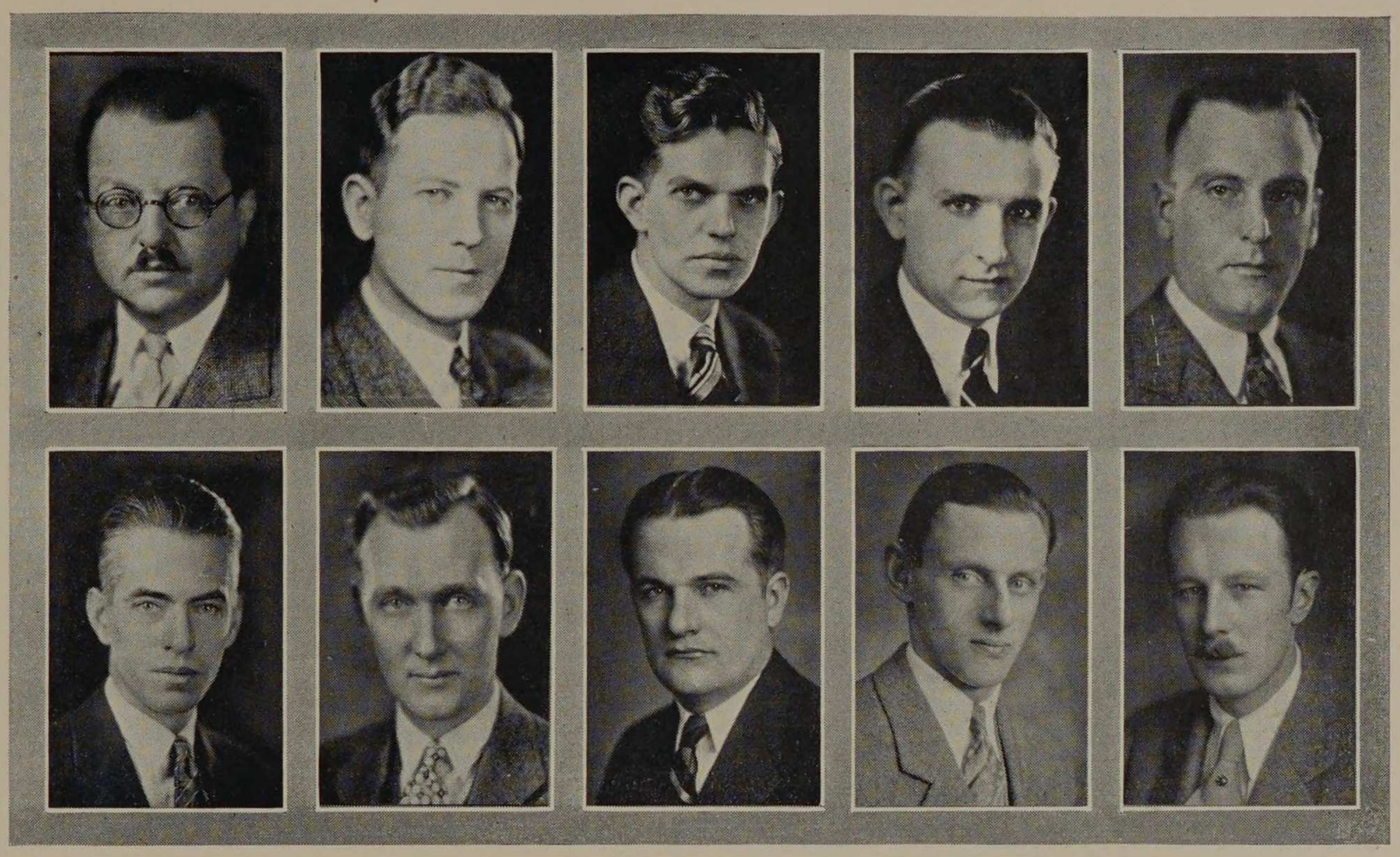
Emil Robert Zettler
Assistant Professor of Architectural Modeling.

Richard Joseph Foster B.Sc., M.E.
Assistant Professor of Descriptive Geometry.

Walter John Bentley B.S., Ch.E.
Assistant Professor of Chemical Engineering.
Phi Lambda Upsilon, Beta Psi.

Samuel Fletcher Bibb S.B., M.S.
Assistant Professor of Mathematics.
Sigma Xi.

L. E. Davies



Bentley, Richardson, Heald, Teach, Holmes
Seegrist, Sear, Ensz, Grafton, Hofmeester

Harry Howe Bentley B.S.
Assistant Professor of Architectural Design.

Donald Elmer Richardson B.S., E.E., M.S.
Assistant Professor of Electrical Measurements.
Tau Beta Pi, Sigma Xi, Eta Kappa Nu, Sigma Kappa Delta.

Henry Townley Heald B.S., M.S.
Assistant Professor of Civil Engineering.
Tau Beta Pi, Chi Epsilon, Sigma Tau, Phi Kappa Phi, Sigma Kappa Delta.

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

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

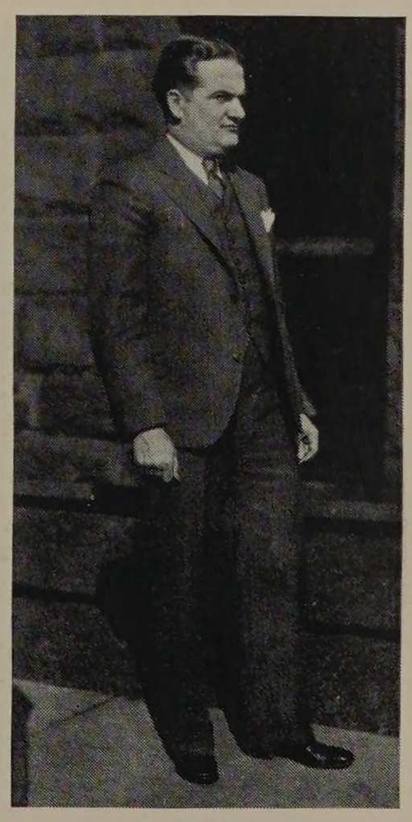
Walter Henry Seegrist B.S.
Assistant Professor of Machine Design.
Phi Kappa Sigma.

Arthur William Sear B.S.
Assistant Professor of Elementary Machine Drawing.
Pi Tau Sigma, Theta Xi.

Herbert Ensz B.S.
Assistant Professor of Civil Engineering.

Eldon Carlyle Grafton B.S.
Assistant Professor of Structural Engineering.
Tau Beta Pi, Sigma Tau, Scabbard and Blade, Phi Kappa Phi.

Theodorus Marinus Hofmeester, Jr.
Assistant Professor of Architectural Modeling.



H. Ensz

Thompson, Ewing, Beersman, Steele, Peterson
Fornhof, Larsen, Krafft, Ullock, Spencer

James Stratton Thompson B.S., Ph.D.
Assistant Professor of Physics.
Sigma Xi, Sigma Alpha Epsilon.

Russell Howard Ewing A.B., A.M.,LL.B.
Assistant Professor of Economics.
Pi Sigma Alpha, Phi Alpha Delta, Sigma Phi Epsilon.

Charles Gerhard Beersman
Assistant Professor of Architectural Design.

Ellen Steele
Librarian.

Nels Peter Peterson
Instructor in Woodworking.

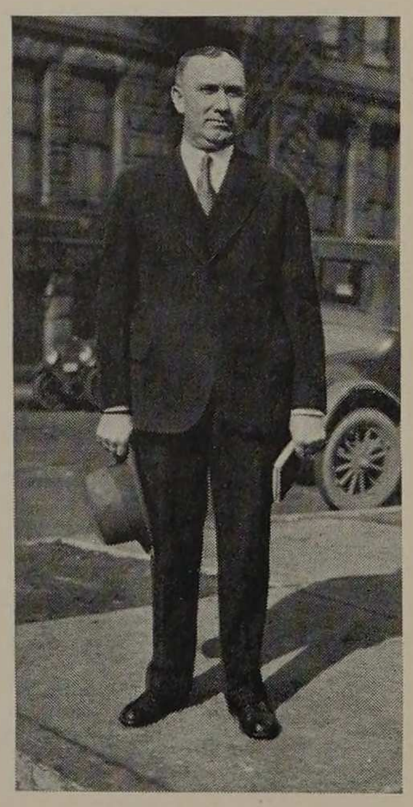
Charles Henry Fornhof
Instructor in Machine Tool Work.

Charles Lewis Larsen
Instructor in Founding.

William Carl Krafft A.B.
Instructor in Physical Training.

Donald Sargent Ullock B.S.
Instructor in Chemical Engineering and Curator of the Chemical Laboratories.
Phi Lambda Upsilon.

Walter Arthur Spencer B.Sc.
Instructor in Mathematics.



W. A. Spencer

Haggard, Suter, Petersen, Foerster, Johnson
Jacobson, Smith, Verwey, Tupes

Harold Witter Haggard B.S.
Instructor in Mathematics.
Delta Phi.

Walter Lindsay Suter B.S.
Instructor in Architectural Design.
Scarab.

Jay Edwin Petersen B.S., M.S.
Instructor in Architectural Design.
Scarab.

Ferdinand Theodore Foerster
Instructor in Forging.

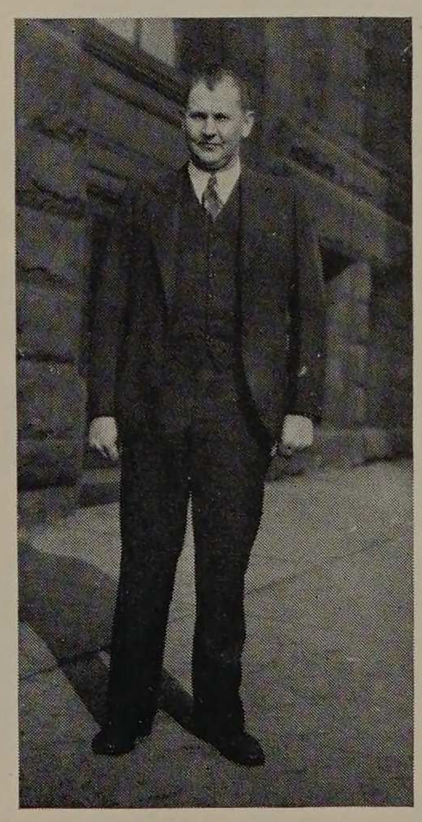
Carl Hilding Johnson B.S.
Instructor in Fire Protection Engineering.
Phi Pi Phi.

Joel Martin Jacobson B.S.
Instructor in Civil Engineering.
Kappa Delta Tau.

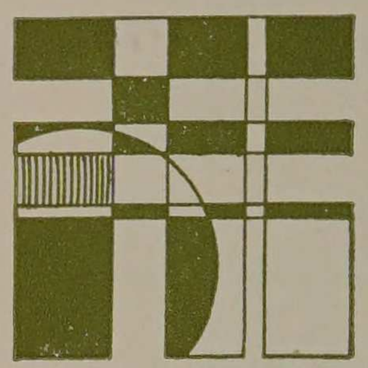
Elizabeth O'Linn Smith
Assistant Librarian.

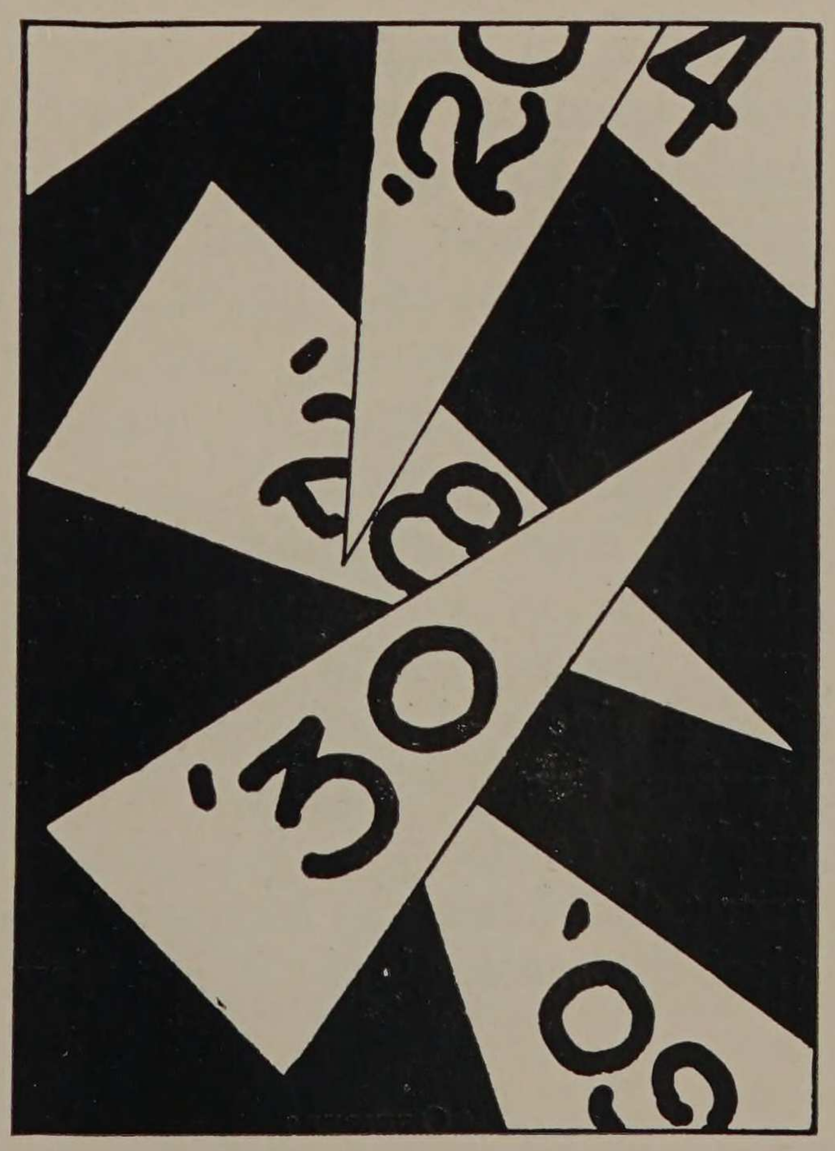
Ruth Verwey A.B.
Cataloger.

Ernest E. Tupes A.B., B.S., LL.B.
Lecturer in Business Law.
Tau Beta Pi.



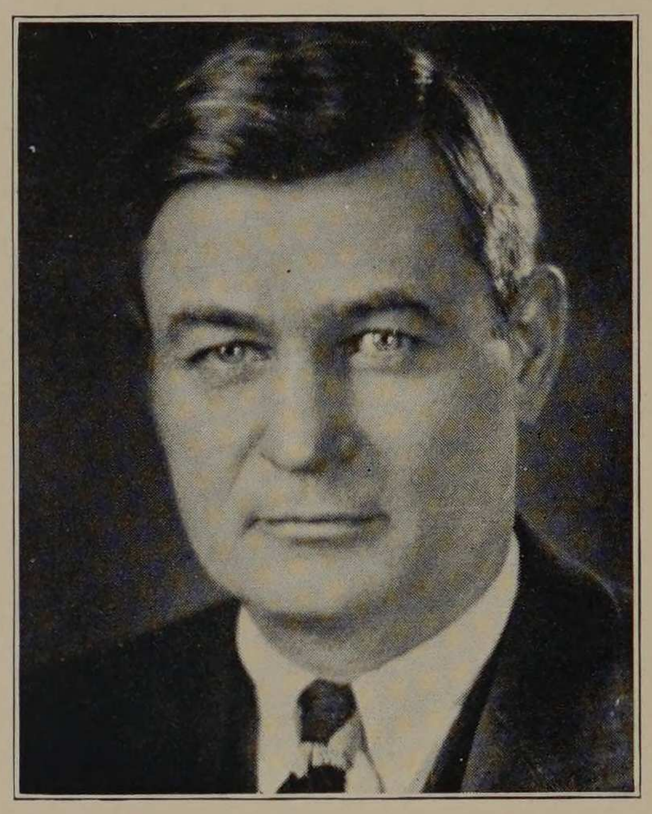
F. T. Foerster





ALUMNI

ARMOUR ALUMNI ASSOCIATION



J. J. Schommer

The Armour Alumni Association was organized in the early nineties and has ever since had as a goal the thought to perpetuate friendships made in college and to give increased facilities for making new friends among Armour Alumni; to keep in touch with one another for social and business connections and forever striving to advance the general interests of Armour Tech.

This body exemplifies the thought that four of a man's best years are spent while he is in college and the friendships and ideals that he makes during this period he will always wish to perpetuate. It is this sentiment that keeps the Alumni Association the strong body it is today, its flame kindled by all the young men who have carried "The message to Garcia."

The Association promulgates its activities and objectives by a group of active officers, which are a president, vice - president and secretary-treasurer. The officers are aided by two separate groups respectively called the board of managers and the advisory council.

The alumni association fosters monthly luncheons held at the Engineers' Club. These affairs are for the purpose of keeping the organization together, for the cultivation of old friendships and for making new friends by bringing the older and younger alumni together. A speaker

OFFICERS

John J. Schommer, '12	President
James C. Matchett, '07	Vice-President
Louis Hirsh, '14	Secretary-Treasurer

TRUSTEES

Roy M. Henderson	'02
Alfred S. Alschuler	'99
Robert B. Harper	'05
John J. Schommer	'12

ARMOUR ALUMNI ASSOCIATION

D. E. Richardson

usually talks on some interesting subject at these luncheons.

The Bismarck Hotel was the scene of the banquet and business meeting on December 17, 1930. Officers for the coming year were elected. John J. Schommer, '12, who held the office of president during the past year, was again elected to that position. James C. Matchett, '07, and Louis Hirsh, '14, were also reelected to the positions of vice-president and secretary-treasurer respectively. The position of executive secretary formerly held by J. Warren McCaffery was discontinued. Two new men, E. F. Pohlman, '10 and J. A. Whittington, '14, were chosen for the Board of Managers thereby replacing H. C. Davies, '05, and C. A. Knuepfler, '15. H. A. Durr, '05 was elected to take E. C. Griffenhagen's seat on the Advisory Council.

At this time it was voted to combine the two annual meetings, which have been held in the spring and fall, into one annual banquet and election of officers, this affair to be held in December of each year.

Instead of customary "speeches," short snappy talks were given by Doctor Raymond and Dean Palmer. The remainder of the evening was limited to general round table discussions among the young and younger "grads." The meeting was brought to a close with the showing of five reels of motion pictures.

ADVISORY COUNCIL

Alfred S. Alschuler	'99
Herbert A. Durr	'05
Maximilian Woldenberg	'06
Walter Oberfelder	'09
Franklin M. de Beers	'05

BOARD OF MANAGERS

Ralph H. Rice	'97
Henry L. Nachman	'02
Edward F. Pohlman	'10
James A. Whittington	'14
Sigmund D. Nothhelfer	'18
Edward A. Goodnow	'22

HONOR EDITION AWARD

" . . . *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, and that each man shall receive a numbered copy of the Cycle* . . . "

HONOR SENIORS 1931

ARTHUR HENRY JENS
Honor Edition Award Number One

CHARLES THEODORE LINK
Honor Edition Award Number Two

FREDERICK BRANHAM ATTWOOD
Honor Edition Award Number Three

ALVIN BERTHOLD AUERBACH
Honor Edition Award Number Four

RICHARD RAY EDDY
Honor Edition Award Number Five

FRANK MARSHALL JAMES
Honor Edition Award Number Six

EDWARD JOHN STEHNO
Honor Edition Award Number Seven

WALTER MARTIN MIRAN
Honor Edition Award Number Eight

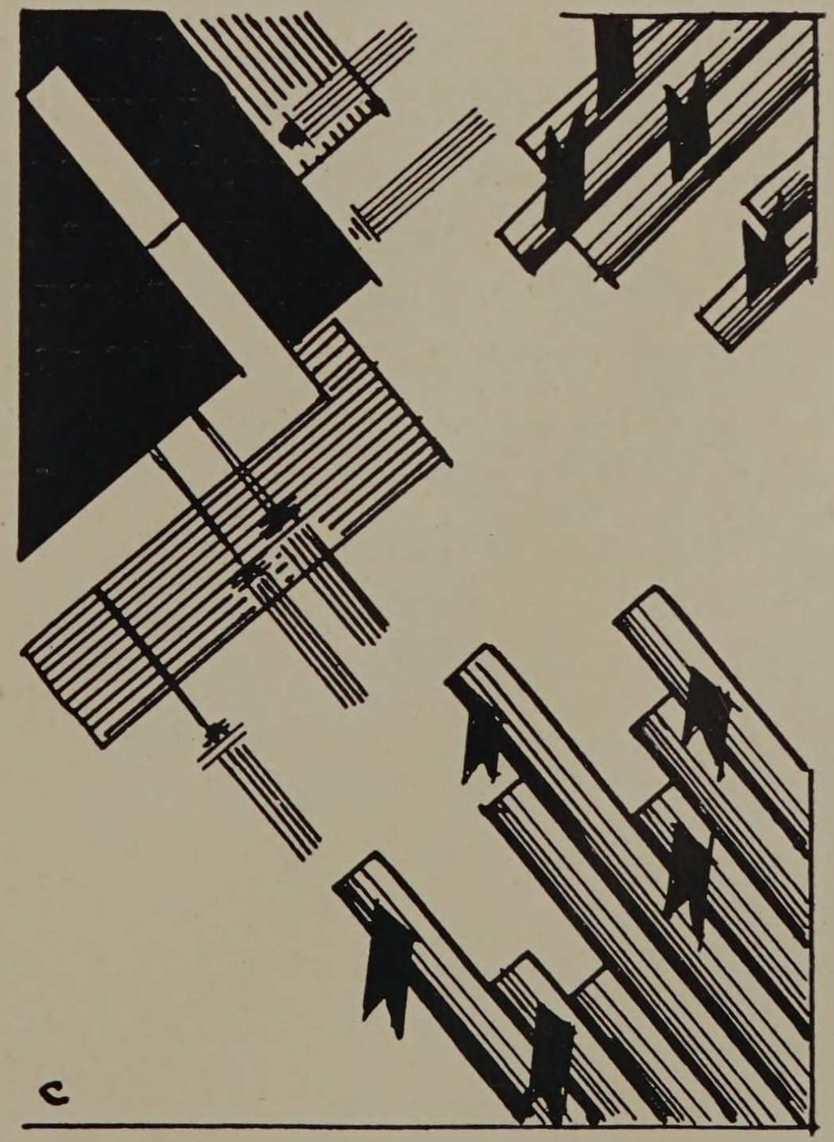
WALTER EDWIN SCHIRMER
Honor Edition Award Number Nine

RALPH ALVIN TIMMERMANS
Honor Edition Award Number Ten

BOOK II

CONTENTS OF BOOK II

CLASSES
FEATURE
ATHLETICS
ORGANIZATIONS
FRATERNITIES
ADVERTISING



SENIOR CLASS

THE CLASS OF 1931

The members of this class can now, after a campaign of four years, truthfully adopt the words of the first great military engineer, "Veni, vidi, vici." As the class looks back over the academic fields of mathematics, physics, chemistry, mechanics, and English, all feel that a wonderful fellowship has been developed through their common struggles, which will certainly be a bond, linking all together in the future years.

C. T. Link

As freshmen, the members of the class of '31 entered Armour Institute of Technology, hopeful, but untrained. Immediately, the professors took them in hand. Then began the long struggle for existence. Fortunately, what was lost in freedom was gained in ability. The first social event of the class, the Freshman Informal, with the Class Rush, did much to relieve the grind and monotony of the college life. Unfortunately, in this year of struggle, many who could not survive the rigors were lost.

The second year was entered more cautiously. It was soon apparent that the achievements of the first year had been over-valued, for the members of the class of '31 soon found that the second year imposed tasks that were still more difficult to accomplish. To balance this, however, was the fact that the class was more prepared, and the habits of study had already been formed. Nevertheless, it was with a sigh of relief that the second year was left behind.

In the third year, the class of '31 began to entrench on the basis of the fundamentals learned during the first two years. Also, the members began to seek the specialties of their selected lines. With this, the work became more interesting as it was of a more practical nature. During this year, more time was devoted to the extra-curriculum activities and the social side of college life. Contacts with practicing engineers brought to the members through the various engineering societies proved to be very beneficial. The year reached a climax

ANNOUNCEMENT COMMITTEE

Arthur H. Jens, Chairman
Michell J. Lamka
Frank F. Strassenburg
Claude M. Westerman
Roscoe H. Windbigler

CAP AND GOWN COMMITTEE

Edward J. Stehno, Chairman
Francis S. Austin
Thomas B. O'Connor
Rudolph Patzelt
Albert F. Wilde

THE CLASS OF 1931

with Junior Week, during which the Junior reigned supreme.

The class of '31 then girded itself for the final advance. The class made rapid progress through the engineering applications of the scientific principles previously studied. It was quite apparent that the mass of the text books had greatly increased. But with the increase in learning came also the social activities. The Senior Informal brought to a fitting close the social affairs of the class.

W. Drigot

Finally, for one brief week, the class of '31 enjoyed the special prerogatives which occur only once during the college course. At the Baccalaureate Sermon, expert advice was given on matters not covered in the engineering courses. With Commencement Day came the well-earned reward of four years of endeavor. Then came the final departure. Each felt with regret that he was no longer an active member of Armour Institute, but had been transferred to the alumni roll. The placing of these names on the alumni roll represented the goal of each one when he entered as a Freshman, but now that this has been achieved, each is looking forward to the placing of his name on other rolls. It is not known what these may be, neither is it known which members of this class will develop engineering achievements.

Looking both forwards and backwards, each individual member of the class realizes that the campus struggles have given him a foundation upon which to go ahead and take his part in the social and economic organization of the world. Future progress will necessarily be worked out individually. Problems may not come as neatly labeled as formerly, and a guide may not be at hand, but the members of this class are confident that they can now proceed into the engineering field. There is also the realization that much of their engineering knowledge will necessarily be recast and adjusted to meet the particular situations.

JEWELRY COMMITTEE
Theodore R. Schueler, Chairman
Edward C. Erland
Robert M. Krause
Berlyn G. McLaughlin
William A. Schrader

AUXILIARY COMMITTEE
Robert N. Wilson, Chairman
Clarence D. Brown
Donald M. Fetterman
Harmon S. Holt
Stanley A. Ott
Raymond J. Schoen

PHOTOGRAPHY COMMITTEE
Thomas S. Woods, Chairman
A. Julian Lenke
Milan J. Morgan
Orland R. Murphy
Henry B. Weis

Abazoris, Abraham, Abramson, Attwood, Auerbach
Aukers, Austin, Berger, Bergquist, Blahna

Abazoris, Vito J. Lithuania
Fenger High School, Chicago, Ill.
B.S. in Mechanical Engineering
A.S.M.E.

Abraham, Isadore Chicago, Ill.
Crane Technical High School, Chicago, Ill.
B.S. in Chemical Engineering.

Abramson, Ralph J. Chicago, Ill.
Crane Technical High School, Chicago, Ill.
B.S. in Electrical Engineering
Kappa Delta Tau; A.I.E.E. 2, 3, 4; Class Sergeant-at-Arms 4; Orchestra 1, 2, 3, 4.

Attwood, Frederick B. Mt. Carmel, Ill.
Oak Park High School, Oak Park, Ill.
B.S. in Chemical Engineering
Tau Beta Pi; Phi Lambda Upsilon; Sphinx; Alpha Chi Sigma; A.I.Ch.E. 2, 3, 4, Vice-President 3, President 4; Press Club 2, 4, Vice-President 4; Rifle Club 3; Armour Tech News 2, 3, 4, News Editor 3, Editor-in-Chief 4; Class President 3; President Honorary Fraternity Council 4; Election Committee 3, 4, Chairman 4; Honor Marshal 3.

Auerbach, Alvin B. Chicago, Ill.
Englewood High School, Chicago, Ill.
B.S. in Civil Engineering
Sigma Alpha Mu; Tau Beta Pi; Chi Epsilon; Sphinx; W.S.E. 1, 2, 3, 4; Press Club 1, 2, 4; Armour Tech News, Humor Editor 2, Feature Editor 3, Managing Editor 4; Honor Marshal 2, 3; Interfraternity Council 4.

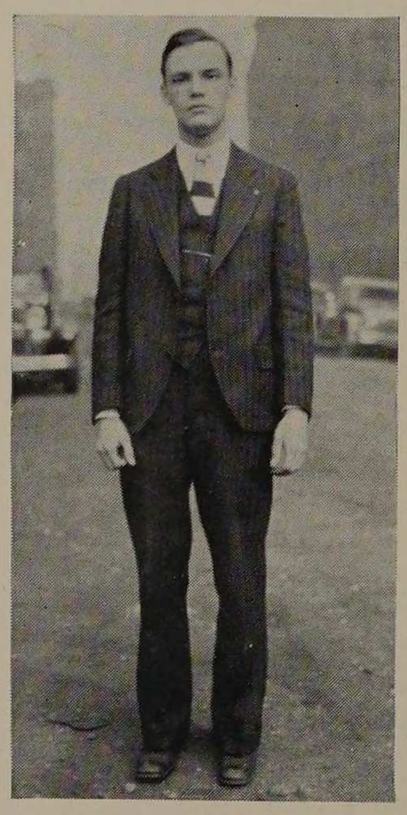
Aukers, Albert J. Chicago, Ill.
Englewood High School, Chicago, Ill.
B.S. in Chemical Engineering
A.I.Ch.E. 2, 3, 4; Press Club 2; Armour Tech News 3.

Austin, Francis S. Yorkville, Ill.
Yorkville and East High of Aurora
B.S. in Fire Protection Engineering
Beta Psi; Salamander; F.P.E.S.; Assistant Junior Marshal; Track 1; Interclass Baseball 1, 2, 3; Interclass Basketball 1, 2, 3.

Berger, Irving M. Chicago, Ill.
Crane High School, Chicago, Ill.
B.S. in Civil Engineering
Rho Delta Rho; Interfraternity Council 3, 4.

Berquist, Raymond G. Chicago, Ill.
Crane Technical High School, Chicago, Ill.
B.S. in Architecture

Blahna, Charles Chicago, Ill.
Lindblom High School, Chicago, Ill.
B.S. in Electrical Engineering
Eta Kappa Nu; A.I.E.E.; Press Club; Armour Tech News.



F. B. Attwood

Borrowdale, Brown, Carter, Chin, Collins
Costanzo, Czernecki, Davidson, Davisson, DeLong

Borrowdale, J. Fred — Chicago, Ill.
University High School, Chicago, Ill.
B.S. in Mechanical Engineering
Chi Psi; A.S.M.E.; Track 3, 4.

Brown, Clarence D. — Chicago, Ill.
Englewood High School, Chicago, Ill.
B.S. in Fire Protection Engineering
Phi Kappa Sigma; F.P.E.S. 1, 2, 3, 4; Advertising Manager Cycle 3; Manager Interclass Basketball 2; Jacket Committee 4.

Carter, Thomas A., Jr. — Chicago, Ill.
Lake View High School, Chicago, Ill.
B.S. in Architecture.

Chin, Eugene W. — Oak Park, Ill.
Tilden Technical High School, Chicago, Ill.
B.S. in Architecture

Collins, Robert B. — Chicago, Ill.
Austin High School, Chicago, Ill.
B.S. in Mechanical Engineering
Beta Psi; Rifle Club.

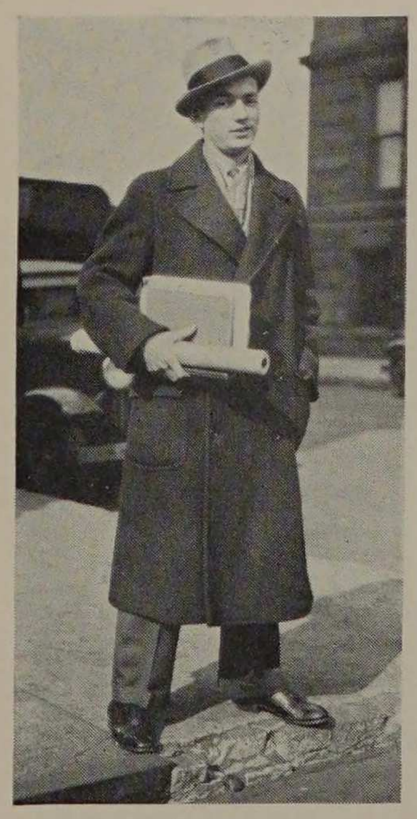
Costanzo, Louis C. — Lentini, Italy
Omaha High School, Omaha, Nebr.
B.S. in Architecture
A.A.S.; Interclass Baseball.

Czernecki, Nicholas B. — Warsaw, Poland
B.S. in Mechanical Engineering.
A.S.M.E.

Davidson, Leonard D. — Chicago, Ill.
Lane Technical High School, Chicago, Ill.
B.S. in Electrical Engineering
Campus Club 2, 3; A.I.E.E. 2, 3, 4; Swimming 2, 3, 4.

Davisson, Gordon E. — Chicago, Ill.
Morgan Park High School, Chicago, Ill.
B.S. in Mechanical Engineering
A.S.M.E. 3, 4.

DeLong, Albert J. — Chicago, Ill.
Englewood High School, Chicago, Ill.
B.S. in Architecture
Tau Beta Pi; Scarab; A.A.S.



T. A. Carter

Dicke, Doane, Draus, Drell, Drigot
Eddy, Erland, Ferguson, Fetterman, Ficarratto

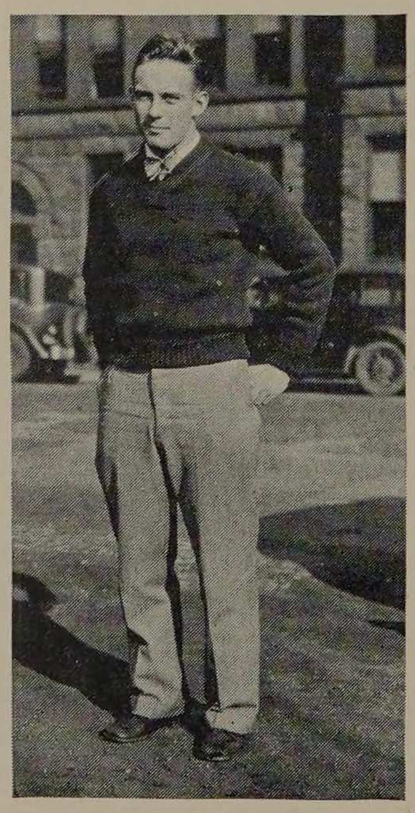
Dicke, Leonard H. Chicago, Ill.
Carl Schurz High School, Chicago, Ill.
B.S. in Civil Engineering
Chi Epsilon; Band 1.

Doane, Thomas W. Oak Park, Ill.
Oak Park High School, Oak Park, Ill.
B.S. in Architecture

Draus, Andrew R. Chicago, Ill.
Holy Trinity High School, Chicago, Ill.
B.S. in Electrical Engineering
Eta Kappa Nu; A.I.E.E.; Truss Club; Interclass Track 2; Interclass Basketball 1, 2, 3.

Drell, Isadore Chicago, Ill.
John Marshall High School, Chicago, Ill.
B.S. in Chemical Engineering
Rho Delta Rho; Phi Lambda Upsilon; A.I.Ch.E.

Drigot, William Chicago, Ill.
Lindblom High School, Chicago, Ill.
B.S. in Electrical Engineering
Tau Beta Pi; Eta Kappa Nu; A.I.E.E. 2, 3, 4; Class Secretary 3; Class Vice-President 4; Baseball 3, 4; Interclass Baseball 4.



W. Drigot

Eddy, Richard R. Chicago, Ill.
Proviso Township High School, Maywood, Ill.
B.S. in Fire Protection Engineering
Sigma Kappa Delta; Pi Nu Epsilon; Honor "A"; Press Club 1, 2, 4; F.P.E.S. 1, 2, 3, 4; Social Editor Cycle 3; Orchestra 1, 2, 3, 4, Conductor 4; Tennis 1, 2, 3, Captain 4; Honorary Fraternity Council 4; Social Committee 4.

Erland, Edward C. Chicago, Ill.
Chesterton High School, Chesterton, Ind.
B.S. in Fire Protection Engineering
Phi Pi Phi; F.P.E.S.; Interclass Basketball 3; Assistant Basketball Manager 3, Manager 4; Jewelry Committee 4.

Ferguson, Leslie J. Toronto, Can.
Hyde Park High School, Chicago, Ill.
B.S. in Chemical Engineering
Phi Lambda Upsilon; Musical Club 1, 2, 3, 4; Band 1, 2, 3; Orchestra 1, 2, 3, 4; Stresses and Strains 1.

Fetterman, Donald M. Omaha, Neb.
Central High School, Omaha, Neb.
B.S. in Electrical Engineering
Triangle; Tau Beta Pi; Eta Kappa Nu; A.I.E.E. 2, 3, 4; A.R.A.; Honor Marshal 2, 3; Jacket Committee 4.

Ficarratto, Sado C. Tampa, Fla.
Y.M.C.A. and Lane Technical High School, Chicago, Ill.
B.S. in Civil Engineering
W.E.S. 3, 4; Wrestling 1.

Filmer, Foin, H. L. Fox, R. S. Fox, Greisman
Griffin, Guthman, Hafner, Hartanov, Hellsen

Filmer, James C. Chicago, Ill.
Hyde Park High School, Chicago, Ill.
B.S. in Electrical Engineering
Campus Club 2, 3, 4; Radio Club 2, 4; Armour Engineer 3; Swimming 1, 2, 4.

Foin, Theodore C. Chicago, Ill.
Canton Christian College, Canton, China
B.S. in Chemical Engineering
A.I.Ch.E. 3, 4.

Fox, Harold L. New Castle, Ind.
New Castle High School, New Castle, Ind.
B.S. in Mechanical Engineering
Sigma Kappa Delta; Pi Tau Sigma; Honor "A"; A.S.M.E.; Track 1, 2, 3, 4, Captain 4; Interclass Track 1, 2, 3, 4.

Fox, Richard S. Chicago, Ill.
Riverside-Brookfield High School, Riverside, Ill.
B.S. in Electrical Engineering
A.I.E.E. 3, 4; Radio Club 3; Glee Club 3.

Griesman, Albert H. Aurora, Ill.
East Aurora High School, Aurora, Ill.
B.S. in Fire Protection Engineering

Griffin, Charles J. Chicago, Ill.
St. Ignatius High School, Chicago, Ill.
B.S. in Electrical Engineering
A.I.E.E. 3, 4; A.R.A. 2, 3; Baseball 2; Interclass Baseball 2, 3; Interclass Basketball 2, 3.

Guthman, Jule Chicago, Ill.
Crane Technical High School, Chicago, Ill.
B.S. in Architecture

Hafner, William L. Chicago, Ill.
Crane Technical High School, Chicago, Ill.
B.S. in Civil Engineering
Triangle; Honor "A"; W.S.E.; Glee Club 2, 3, 4; Class Secretary 3; A.T.A.A. 3; Assistant Track Manager 2, Manager 3.

Hartanov, Andrew S. Russia
Lindblom High School, Chicago, Ill.
B.S. in Mechanical Engineering
Pi Tau Sigma; A.S.M.E. 3, 4; Glee Club 2.

Hellsen, Karl E. W.
Dala Husby, Sweden
Lane Technical High School, Chicago, Ill.
B.S. in Civil Engineering
Tau Beta Pi; Chi Epsilon; W.S.E.

H. L. Fox

Holin, Holt, Hotchkin, Hughes, Iverson
James, Jens, A. F. Johnson, E. A. Johnson, Jordan

Holin, Elmer T. Chicago, Ill.
Senn High School, Chicago, Ill.
B.S. in Architecture
Delta Tau Delta; A.A.S.; Class President 1.

Holt, Harmon S. Topeka, Kansas
Topeka High School, Topeka, Kansas
B.S. in Fire Protection Engineering
Delta Tau Delta; Salamander; F.P.E S. 2, 3, 4; Glee Club 3; Armour Engineer 3, 4; Articles Editor 4; Jacket Committee 4.

Hotchkin, Mark A. Mokena, Ill.
Lane Technical High School, Chicago, Ill.
B.S. in Fire Protection Engineering
F.P.E.S. 1, 2, 3, 4; Glee Club 1, 2, 3, 4, Manager 4; Class Secretary 1.

Hughes, Daniel W. Chicago, Ill.
Metuchen High School, Metuchen, N. J.
B.S. in Electrical Engineering

Iverson, Daniel J. Chicago, Ill.
Austin High School, Chicago, Ill.
B.S. in Civil Engineering
Sigma Kappa Delta; Honor "A"; W.S.E.; Track 1, 2, 3, 4; Cross Country 2.

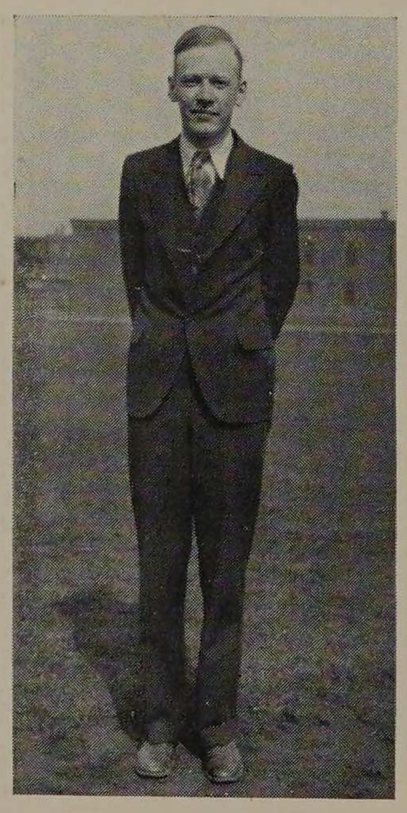
James, Frank M. Bethlehem, Ky.
Male High School, Louisville, Kentucky
B.S. in Fire Protection Engineering
Theta Xi; Tau Beta Pi; Salamander; Honor "A"; F.P.S.E. 1, 2, 3, 4; Glee Club 1; Armour Tech News 1, 2, 3; Track 2, 3, 4, Captain 4; Cross Country 2; Interclass Track 2, 3, 4; Secretary A.T.A.A. 3; Social Committee 2, 3, 4; Rush Leader 2; Junior Marshal 3.

Jens, Arthur H. Park Ridge, Ill.
Lane Technical High School, Chicago, Ill.
B.S. in Fire Protection Engineering
Sigma Kappa Delta; Sphinx; Honor "A"; Cycle 2, 3, 4, Assistant Editor 2, Associate Editor 3, Editor-in-Chief 4; Armour Tech News 2, 3, 4, Sports Editor 3, Managing Editor 4, Managing Board 4; Press Club 1, 2, 4, President 4; F.P.E.S. 1, 2, 3, 4, Vice-President 4; Honorary Fraternity Council 4; Track 2, 3, 4; Assistant Junior Marshal 3; A.T.A.A. Publicity Manager 3, 4; Interclass Relay 2, 3; Interclass Baseball 3, 4; Interclass Track 2, 3, 4; Interclass Basketball 3; Election Committee 3, 4, Chairman 3; Chairman Announcement Committee 4.

Johnson, A. Frederick Chicago, Ill.
Lindblom High School, Chicago, Ill.
B.S. in Mechanical Engineering
Beta Psi; A.S.M.E.; Interclass Basketball 3.

Johnson, Eldon A. Chicago, Ill.
Parker High School, Chicago, Ill.
B.S. in Civil Engineering
Chi Epsilon; W.S.E. 1, 2, 3, 4; Honor Marshal 3; Honorary Fraternity Council 4.

Jordan, Philip Chicago, Ill.
Mt. Carmel High School, Chicago, Ill.
B.S. in Civil Engineering
Truss Club; Press Club; Armour Tech News, Columnist 3, 4; W.S.E. 1, 2, 3, 4, Vice-President 4; Class Secretary 4.



E. A. Johnson

Kellner, Kesselring, Knittel, Knocke, Krause
Kreibich, Kutteruf, Lamka, Langhammer, Larsen

Kellner, Richard G. Chicago, Ill.
Austin High School, Chicago, Ill.
B.S. in Electrical Engineering
Campus Club; Press Club 4; Glee Club 3; A.I.E.E. 3, 4; Armour Tech News 2, 3, 4; Armour Engineer 4.

Kesselring, Paul H. Malta, Ill.
Englewood High School, Chicago, Ill.
B.S. in Fire Protection Engineering
Salamander; Press Club 4; F.P.E.S. 3, 4; Armour Tech News 3, 4.

Knittel, Kilian A. Chicago, Ill.
St. Ignatius High School, Chicago, Ill.
B.S. in Electrical Engineering
Sphinx; Campus Club 4; A.I.E.E. 2, 3, 4, Chairman 4; Armour Tech News 3, 4, Humor Editor 3; Armour Engineer Advertising Manager 4.

Knocke, Walter A. Chicago, Ill.
Lindblom High School, Chicago, Ill.
B.S. in Electrical Engineering

Krause, Robert M. Glenwood, Ill.
Bloom Township High School
B.S. in Mechanical Engineering
Sigma Kappa Delta; Tau Beta Pi; Pi Tau Sigma; Press Club 4; A.S.M.E. 3, 4; Armour Engineer 3, 4; Tennis Manager 4; Class Treasurer 3.

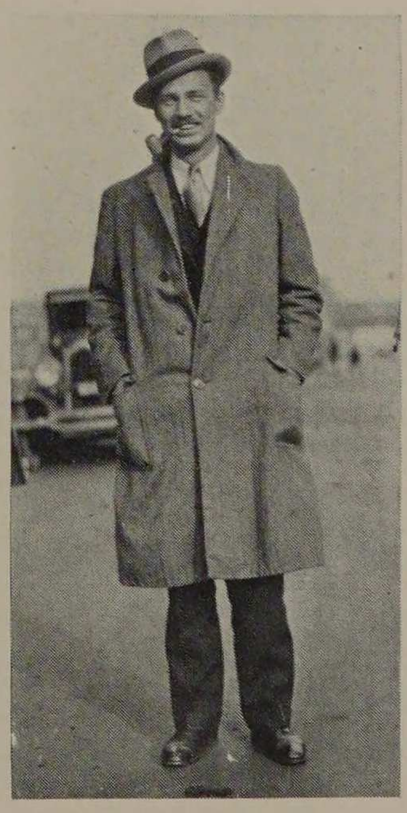
Kreibich, Carl E. Chicago, Ill.
Carl Schurz High School, Chicago, Ill.
B.S. in Electrical Engineering
Theta Xi; A.I.E.E. 3, 4; Interclass Basketball 1, 2; Interclass Baseball 3.

Kutteruf, Robert H. Chicago, Ill.
Calumet High School, Chicago, Ill.
B.S. in Fire Protection Engineering
Sigma Kappa Delta; F.P.E.S. 2, 3, 4; Cycle Athletic Editor 3; Baseball 2, 3; Basketball 1, 3; Cross Country 1, 2; Interclass Baseball 1, 2, 3, 4; Interclass Basketball 1, 2, 3, 4; Interclass Relay 2, 3, 4.

Lamka, Mitchell J. Chicago, Ill.
Carl Schurz High School, Chicago, Ill.
B.S. in Mechanical Engineering
Pi Tau Sigma; A.S.M.E.

Langhammer, Kenneth C. Aurora, Ill.
East Aurora High School, Aurora, Ill.
B.S. in Fire Protection Engineering

Larsen, Carl A. Chicago, Ill.
Austin High School, Chicago, Ill.
B.S. in Civil Engineering



R. G. Kellner

Latham, Lehman, Lenke, Lindquist, Link
Lopatowski, Lukey, McLaughlin, Mago, Marando

Latham, Harold J. Chicago, Ill.
Senn High School, Chicago, Ill.
B.S. in Chemical Enginering
Alpha Chi Sigma; A.I.Ch.E. 2, 3, 4, Treasurer 4.

Lehman, Isaac B. Millington, Ill.
Yorkville High School, Yorkville, Ill.
B.S. in Chemical Engineering
Tau Beta Pi; Phi Lambda Upsilon; Alpha Chi Sigma.

Lenke, A. Julian Chicago, Ill.
Lane Technical High School, Chicago, Ill.
B.S. in Fire Protection Engineering
Delta Tau Delta; Tau Beta Pi; Salamander; Sphinx; F.P.E.S. 1, 2, 3, 4; Press Club 4; Armour Tech News 2; Armour Engineer 3, 4, Editor-in-Chief 4; Interclass Baseball Manager 3; Photography Committee 4.

Lindquist, Bert S. Chicago, Ill.
Lindblom High School, Chicago, Ill.
B.S. in Civil Engineering
Tau Beta Pi; Chi Epsilon; W.S.E. 1, 2, 3, 4.

Link, Charles T., Jr. Chicago, Ill
Lane Technical High School, Chicago, Ill.
B.S. in Mechanical Engineering
Sigma Kappa Delta; Tau Beta Pi; Pi Tau Sigma; Honor "A"; Sphinx; A.S.M.E. President 4; Armour Engineer 3, 4, Associate Editor 4; Class President 4; Baseball 1, 2, 3, 4; Interclass Baseball 1, 2; Honorary Fraternty Council 4.

C. C. Mago

Lopatowski, Edward J. Chicago, Ill.
Holy Trinity High School, Chicago, Ill.
B.S. in Civil Engineering

Lukey, Myron E. Blue Island, Ill.
Blue Island High School, Blue Island, Ill.
B.S. in Electrical Engineering
Theta Xi; Eta Kappa Nu.

McLaughlin, Berlyn G. Olney, Ill.
Carl Schurz High School, Chicago, Ill.
B.S. in Civil Engineering.
Beta Psi; Chi Epsilon; W.S.E. 1, 2, 3, 4; Musical Club 1; Social Committee 1, 3, Chairman 3; Interfraternity Council 4; Jewelry Committee 4.

Mago, Charles C. Chicago, Ill.
Lane Technical High School, Chicago, Ill.
B.S. in Electrical Engineering
A.I.E.E.; Baseball 2, 3, 4; Basketball 2; Interclass Baseball 1, 2, 3, 4; Interclass Basketball 3.

Marando, Herbert S. Massena, N. Y.
Massena High School, Massena, N. Y.
B.S. in Electrical Engineering
Eta Kappa Nu; A.I.E.E.

Marker, Martin, Mell, Michalski, Miles
Miller, Miran, Montesano, Moore, Morgan

Marker, Warren C. Jefferson, Ia.
Jefferson High School, Jefferson, Iowa
B.S. in Chemical Engineering
A.I.Ch.E. 2, 3, 4.

Martin, Homer Z. Chicago, Ill.
Lake View High School, Chicago, Ill.
B.S. in Chemical Engineering

Mell, Alfred Lorenz Chicago, Ill.
Crane Technical High School, Chicago, Ill.
B.S. in Architecture
Delta Tau Delta; Scarab; A.A.S.; Class Secretary 1; Social Committee 4.

Michalski, Walter F. Chicago, Ill.
Harrison Technical High School, Chicago, Ill.
B.S. in Electrical Engineering
A.I.E.E.; Baseball 3, 4; Interclass Baseball 3, 4.

Miles, Wallace Chicago, Ill.
Lane Technical High School, Chicago, Ill.
B.S. in Architecture

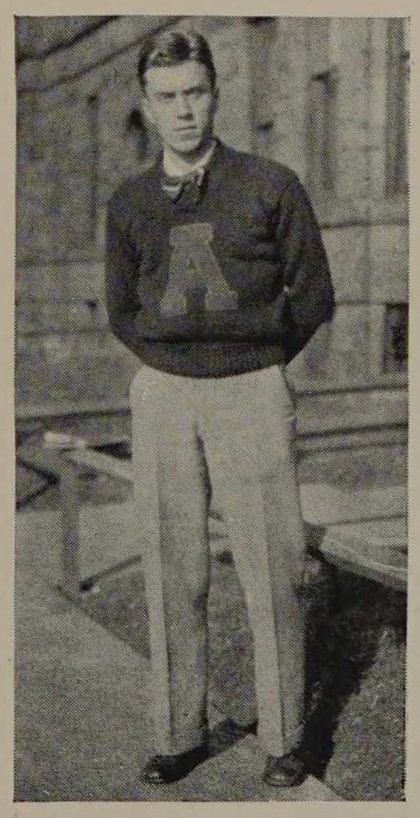
Miller, Clarence H. Kansas City, Mo.
Central High School, Kansas City, Mo.
B.S. in Civil Engineering
Chi Epsilon; W.S.E. 2, 3, 4; Glee Club 2, 3, 4; Band 1, 2; Wrestling 1, 2.

Miran, Walter M. Chicago, Ill.
Tilden Technical High School, Chicago, Ill.
B.S. in Fire Protection Engineering
Beta Psi; Honor "A"; F.P.E.S. 1, 2, 3, 4, Secretary 4; Armour Engineer 4; Basketball 3, 4; Baseball 3, 4; Interclass Baseball 2, 3, 4; Interclass Basketball 2, 3, 4; Interclass Track 2, 3, 4; Social Committee 3; Class Treasurer 4.

Montesano, Anthony, San Basile, Italy
Parker High School, Chicago, Ill.
B.S. in Chemical Engineering
Honor "A"; A.I.Ch.E. 2, 3, 4; Cross Country 1, 2; Track 1, 2; Boxing 3, 4.

Moore, George R. Chicago, Ill.
Parker High School, Chicago, Ill.
B.S. in Fire Protection Engineering

Morgan, Milan J. Chicago, Ill.
Englewood High School, Chicago, Ill.
B.S. in Civil Engineering
Phi Pi Phi; Chi Epsilon; W.S.E.; Photography Committee 4.



W. M. Miran

Moskovitz, Munch, Murphy, Myers, Nelson
Newman, Novotny, O'Connor, O'Conor, Olson

Moskovitz, Merton M. Chicago, Ill.
Crane Technical High School, Chicago, Ill.
B.S. in Electrical Engineering
Rho Delta Rho; A.I.E.E.

Munch, Frederick T. Chicago, Ill.
Central High School, Sioux City, Iowa
B.S. in Mechanical Engineering
Theta Xi; Pi Tau Sigma; A.S.M.E. 3, 4; Interclass Baseball 4; Track Manager 4.

Murphy, Orland R. Putnam, Ill.
Putnam High School, Putnam, Ill.
B.S. in Electrical Engineering
Theta Xi; Sphinx; Press Club 2, 4; A.I.E.E. 3, 4; Cycle Photographer 3, 4; Armour Tech News 3, 4; Armour Engineer 4.

Myers, Kenneth H. Chicago, Ill.
Senn High School, Chicago, Ill.
B.S. in Electrical Engineering

Nelson, Raymond F. Chicago, Ill.
Schurz High School, Chicago, Ill.
B.S. in Architecture

Newman, Lorenzo A. Bloomer, Wis.
Bloomer High School, Bloomer, Wis.
B.S. in Electrical Engineering

Novotny, Irvin J. Berwyn, Ill.
J. Sterling Morton High School, Cicero, Ill.
B.S. in Mechanical Engineering

O'Connor, Thomas B. Chicago, Ill.
Tilden Technical High School, Chicago, Ill.
B.S. in Electrical Engineering
Eta Kappa Nu; A.I.E.E.; Baseball 3, 4; Basketball 3, 4; Interclass Basketball 1, 4; Interclass Baseball 4; Cap and Gown Committee 4.

O'Conor, Frank Gordon, Wis.
Crane Technical High School, Chicago, Ill.
B.S. in Mechanical Engineering
Sigma Kappa Deta; Pi Nu Epsilon; A.S.M.E. 1, 2, 3, 4, Vice-President 4; Musical Club 4; Orchestra 1, 2, 3, 4; Band 1, 2; Stress and Strains 1, 2, 4, Conductor 4.

Olson, Elmer A. Chicago, Ill.
Pullman Technical High School, Pullman, Ill.
B.S. in Civil Engineering

O. R. Murphy

Ott, Pamler, Paschke, Patzelt, Penfold
Pilgrim, Podlipec, Rimmke, Rosen, Rutkowski

Ott, Stanley A. Chicago, Ill.
Lake View High School, Chicago, Ill.
B.S. in Fire Protection Engineering
Phi Pi Phi; Honor "A"; F.P.E.S.; Basketball 1, 2, 3, 4; Interclass Basketball 1, 2, 4, Manager 4; Swimming 1; Social Committee 1; Jacket Committee 4.

Pamler, Roland G. Chicago Heights, Ill.
Bloom Township High School
B.S. in Electrical Engineering
Radio Club 3, 4; Boxing 2, 4.

Paschke, Edward E. Chicago, Ill.
Lindblom High School, Chicago, Ill.
B.S. in Electrical Engineering
Eta Kappa Nu; A.I.E.E.

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

Penfold, William E. Chicago, Ill.
Senn High School, Chicago, Ill.
B.S. in Electrical Engineering
Sigma Kappa Delta; Eta Kappa Nu; A.I.E.E.

Pilgrim, Henry J. Bellwood, Ill.
Proviso Township High School, Maywood, Ill.
B.S. in Mechanical Engineering

Podlipec, Frank Chicago, Ill.
Morton High School, Chicago, Ill.
B.S. in Chemical Engineering
A.I.Ch.E. 2, 3, 4; Track 2, 4.

Rimmke, Hugo Joliet, Ill.
Joliet High School, Joliet, Ill.
B.S. in Chemical Engineering
A.I.Ch.E. 2, 3, 4.

Rosen, Nathan R. Chicago, Ill.
Tilden Technical High School, Chicago, Ill.
B.S. in Architecture
Sigma Alpha Mu; A.A.S. 1, 2, 3, 4.

Rutkowski, Frank E. Chicago, Ill.
Lane Technical High School, Chicago, Ill.
B.S. in Civil Engineering
Beta Psi; Chi Epsilon; Honor "A"; W.S.E.; Basketball 2, 3, 4; Interclass Basketball 2, 3; Social Committee 4.

F. E. Rutkowski

Ryon, Sadlak, Santina, Schiff, Schirmer
Schlagel, Schock, Schoen, Schohl, Schrader

Ryon, Robert F. Blue Island, Ill.
Blue Island High School, Blue Island, Ill.
B.S. in Electrical Engineering
A.I.E.E.

Sadlak, Michael M. Lublin, Poland
Bowen High School, Chicago, Ill.
B.S. in Mechanical Engineering
A.S.M.E.

Santina, William J. City Island, N. Y.
De La Salle High School, Chicago, Ill.
B.S. in Civil Engineering
Truss Club; W.S.E. 1, 2, 3, 4.

Schiff, John J. Chicago, Ill.
Bowen High School, Chicago, Ill.
B.S. in Mechanical Engineering

Schirmer, Walter E. Chicago, Ill.
Roosevelt High School, Chicago, Ill.
B.S. in Fire Protection Engineering
Theta Xi; Tau Beta Pi; Salamander; Honor "A"; F.P.E.S. 1, 2, 3, 4; Tennis 3, 4; Interclass Basketball 1, 2; Orchestra 2; Social Chairman 4; Assistant Junior Marshal 3.

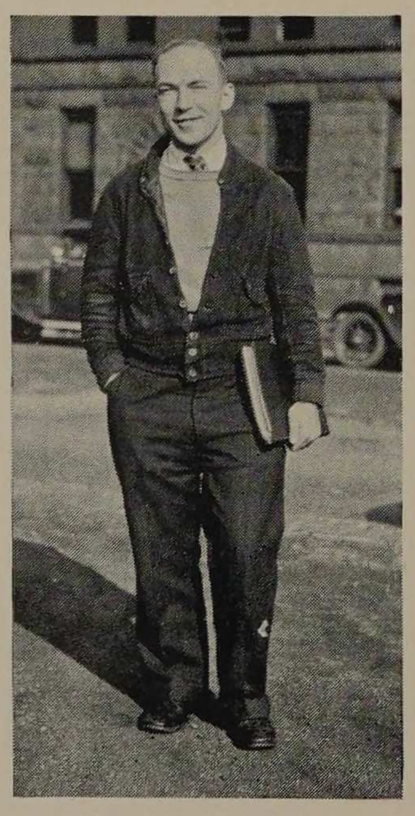
Schlagel, Huntington R. Chicago, Ill.
Maine Township High School, Desplaines, Ill.
B.S. in Architecture

Schock, Charles M. Chicago, Ill.
John Marshall High School, Chicago, Ill.
B.S. in Architecture
Scarab; A.A.S.

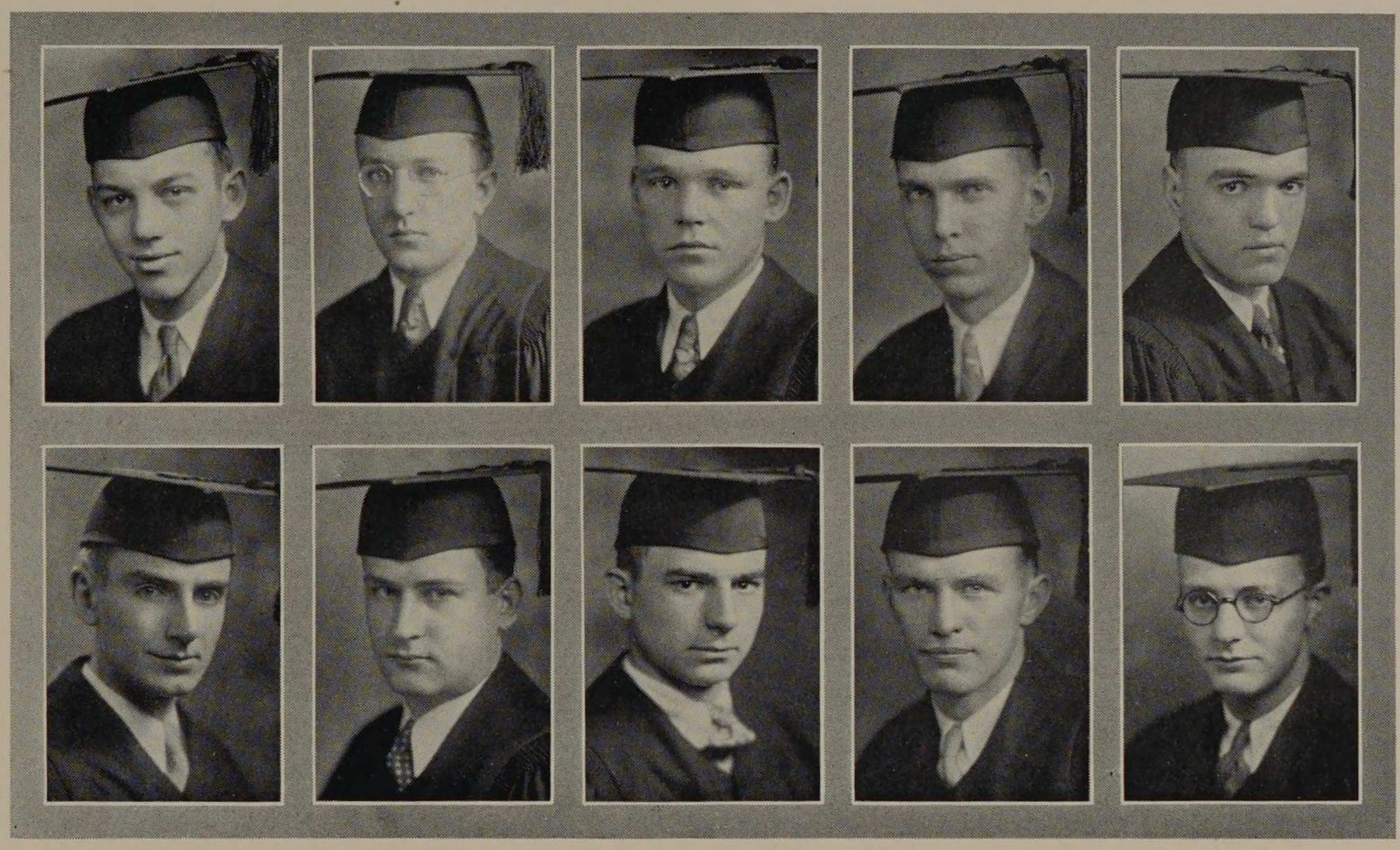
Schoen, Raymond J. Chicago, Ill.
De Paul Academy, Chicago, Ill.
B.S. in Mechanical Engineering
Glee Club 1, 2; A.S.M.E. 3, 4; Jacket Committee 4.

Schohl, Matthew F. Chicago, Ill.
Bowen High School, Chicago, Ill.
B.S. in Electrical Engineering
A.I.E.E.; Interclass Baseball 4; Interclass Basketball 4.

Schrader, William A.
Worthington, Minn.
Worthington High School, Worthington, Minn.
B.S. in Electrical Engineering



W. A. Schrader



Schueler, Seidelmann, Sevenhouse, Shoan, Spalding
Squires, Stamberg, Stehno, Stevenson, Stranberg

Schueler, Theodore R. Chicago, Ill.
Lane Technical High School, Chicago, Ill.
B.S. in Fire Protection Engineering
Delta Tau Delta; F.P.E.S. 1, 2, 3, 4; Class President 2; Chairman Jewelry Committee 4.

Seidelmann, Paul E. Aurora, Ill.
East Aurora High School, Aurora, Ill.
B.S. in Fire Protection Engineering
Tau Beta Pi; Salamander; Press Club 4; F.P.E.S. 1, 2, 3, 4; Armour Tech News 3, 4, Feature Editor 4; Cycle 3.

Sevenhouse, Henry A. Harvey, Ill.
Thornton Township High School
B.S. in Architecture
A.A.S.

Shoan, Evert W. River Forest, Ill.
Morgan Park Academy, Chicago, Ill.
B.S. in Architecture

Spalding, Frank W., Jr. Chicago, Ill.
Proviso High School, Maywood, Ill.
B.S. in Fire Protection Engineering
Beta Psi; Salamander; F.P.E.S. 1, 2, 3, 4; Press Club 2, 4; Armour Tech News 2, 3, 4, Business Manager 4.

Squires, Emerson G. Wheaton, Ill.
Wheaton High School, Wheaton, Ill.
B.S. in Electrical Engineering
Phi Kappa Sigma; A.I.E.E. 3, Secretary 4; A.R.A. 1, 2, 3, 4.

Stamberg, Charles J. Chicago, Ill.
Morton High School, Chicago, Ill.
B.S. in Chemical Engineering
Alpha Chi Sigma; A.I.Ch.E. 2, 3, 4; Orchestra 1, 2, 3.

Stehno, Edward J. Chicago, Ill.
Crane Technical High School, Chicago, Ill.
B.S. in Electrical Engineering
Sigma Kappa Delta; Eta Kappa Nu; Honor "A"; A.I.E.E. 2, 3, 4; Baseball 1, 2, 3, 4; Interclass Basketball 1, 2, 3, 4; Interclass Baseball 2, 3, 4; Class Vice-President 3; Chairman Cap and Gown Committee 4.

Stevenson, Richard H. Chicago, Ill.
Oak Park High School, Oak Park, Ill.
B.S. in Mechanical Engineering
Beta Psi; Tau Beta Pi; Pi Tau Sigma; A.S.M.E. 3, 4, Vice-President 4.

Stranberg, John H. Chicago, Ill.
Hyde Park High School, Chicago, Ill.
B.S. in Electrical Engineering
Sphinx; Campus Club 2, 3, 4, President 4; Press Club 4; A.I.E.E. 3, 4; Armour Engineer 3, 4, Business Manager 4, Managing Board 4.

E. J. Stehno

Strassenburg, Streicher, Timmermans, Trzyna, Van Osdol
Waniata, Warner, Weis, Wernicke, Westenberg

Strassenburg, Frank F. Lexington, Mass.
Mound High School, Mound, Minn.
B.S. in Mechanical Engineering
Sigma Kappa Delta; Tau Beta Pi; Pi Tau Sigma; Pi Nu Epsilon; A.S.M.E. 3, Treasurer 4; Musical Club 4; Orchestra 2, 3, 4; Armour Tech News 3, 4; Announcement Committee 4.

F. F. Strassenburg

Streicher, Leo Chicago, Ill.
Crane Technical High School, Chicago, Ill.
B.S. in Chemical Engineering

Timmermans, Ralph A. Chicago, Ill.
Lake View High School, Chicago, Ill.
B.S. in Fire Protection Engineering
Sigma Kappa Delta; Sphinx; Honor "A"; Press Club 1, 2, 4; Track 1, 2, 3; Tennis 3, 4; Fraternity Editor Cycle 3; Class Vice-President 2; Social Committee 3.

Trzyna, Thaddeus S. Chicago, Ill.
Lane Technical High School, Chicago, Ill.
B.S. in Electrical Engineering
Truss Club 1, 2, 3, 4; Rifle Club 3; A.I.E.E. 2, 3, 4.

Van Osdol, Robert L. Morrison, Ill.
Morrison High School, Morrison, Ill.
B.S. in Electrical Engineering
Beta Psi; A.R.A. 2, 3, 4; A.I.E.E. Vice-Chairman 4.

Waniata, George N. Berwyn, Ill.
Harrison Technical High School, Chicago, Ill.
B.S. in Chemical Engineering

Warner, Elmer S. Chicago, Ill.
Schurz High School, Chicago, Ill.
B.S. in Electrical Engineering
Beta Psi; Eta Kappa Nu; A.I.E.E. 2, 3, 4.

Weis, Henry B. Waterloo, Ia.
Lake Forest Academy, Lake Forest, Ill.
B.S. in Mechanical Engineering
Phi Kappa Sigma; Honor "A"; Rifle Club 4; Golf 1, 2, 3, 4, Captain 4; Photography Committee 4.

Wernicke, Leo E. New York, N. Y.
Englewood High School, Chicago, Ill.
B.S. in Civil Engineering
Kappa Delta Tau; W.S.E. 2, 3, 4; Rifle Club 1; Interfraternity Council 4.

Westenberg, J. Eugene Chicago, Ill.
Proviso Township High School, Maywood, Ill.
B.S. in Chemical Engineering
Triangle; A.I.Ch.E. 2, 3, 4.

Westerman, Wilde, Wilson, Windbigler, Winkler
Wleklinski, Woods, Wyant, Yzaguirre, Zeleny

Westerman, Claude M. Chicago, Ill.
Englewood High School, Chicago, Ill.
B.S. in Fire Protection Engineering
Phi Kappa Sigma.

Wilde, Albert F. Aurora, Ill.
East High School, Aurora, Ill.
B.S. in Fire Protection Engineering
Tau Beta Pi; Salamander; Sphinx; F.P.E.S. 1, 2, 3, 4, President 4; Press Club 4; Armour Tech News 3, 4, Circulation Manager 4; Cycle 3; Honor Marshal 2, 3; Cap and Gown Committee 4.

Wilson, Robert N. Chicago, Ill.
Bowen High School, Chicago, Ill.
B.S. in Fire Protection Engineering
Phi Kappa Sigma; Sphinx; Pi Nu Epsilon; F.P.E.S. 1, 2, 3, 4; Press Club 4; Rifle Club 4; Business Manager Cycle 3; Social Chairman 2; Chairman Jacket Committee 4.

Windbigler, Roscoe H. South Bend, Ind.
Central High School, Niles, Mich.
B.S. in Civil Engineering
Triangle; Glee Club 1, 2; W.S.E. 1, 2, 3, 4, Treasurer ; Interfraternity Council 3, 4; Announcement Committee 4.

Winkler, William P. Columbus, O.
Lake View High School, Chicago, Ill.
B.S. in Fire Protection Engineering
Phi Pi Phi; F.P.E.S.; Swimming 1; Social Committee 1.

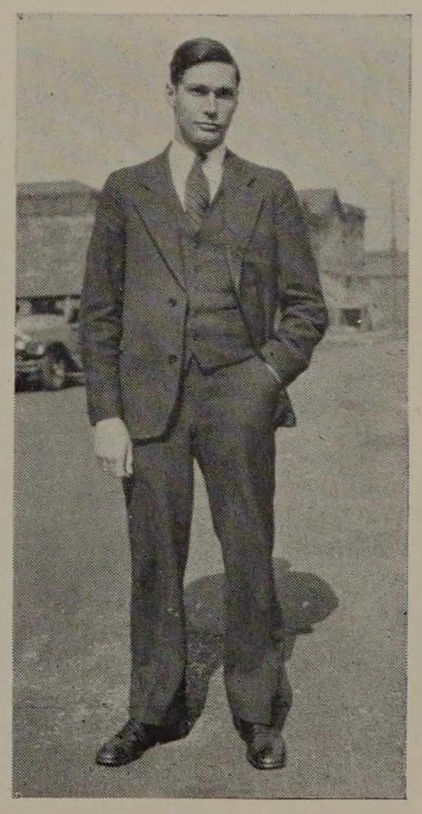
Wleklinski, Thaddeus J. La Grange, Ill.
Lyons Township High School, La Grange, Ill.
B.S. in Chemical Engineering

Woods, Thomas A. Chicago, Ill.
Englewood High School, Chicago, Ill.
B.S. in Civil Engineering
Triangle; Glee Club 1; Orchestra 1; W.S.E. 1, 4, President 4; Assistant Baseball Manager 3, Manager 4; Chairman Photography Committee 4.

Wyant, Charles W. Chicago, Ill.
Lane Technical High School, Chicago, Ill.
B.S. in Civil Engineering

Yzaguirre, Manuel Juchitepec, Mex.
Ateneo Fuente High School, Saltillo Coah, Mexico.
B.S. in Chemical Engineering
Phi Lambda Upsilon.

Zeleny, Laddie L. Chicago, Ill.
Harrison Technical High School, Chicago, Ill.
B.S. in Architecture



A. F. Wilde

THIRTY-FOURTH ANNUAL COMMENCEMENT EXERCISES

Advanced Degrees Conferred

For the Honorary Degree of Doctor of Engineering
Dana Pierce, President, Underwriters' Laboratories, Chicago

For the Degree of Mechanical Engineer
Harold James Prebenson — Lynn Eugene Davies

For the Degree of Electrical Engineer
Ralph Allen Newlander — Otto Albert Witte

For the Degree of Civil Engineer
Thomas Michels — Parker James Montague

For the Degree of Fire Protection Engineer
Walter Harry Alexander

AWARD OF HONORS

Honor Man of All Departments
Marvin Arthur Tennyson

Honor Man of the Department of Mechanical Engineering
Edward Robert Rowley

Honor Man of the Department of Electrical Engineering
Marvin Arthur Tennyson

Honor Man of the Department of Civil Engineering
Edmund Hinyin Chun

Honor Man of the Department of Chemical Engineering
Arthur Thompson Martin

Honor Man of the Department of Fire Protection Engineering
Alfred Charles Gunther

Honor Man of the Department of Architecture
Albert Daniel Levy

THE FOLLOWING SENIORS DID NOT HAVE PICTURES TAKEN:

Brazda, Lumir — Chicago, Ill.
Harrison Technical High School, Chicago, Ill.
B.S. in Architecture

Denning, William S. — Chicago, Ill.
Lyons Township High School, La Grange, Ill.
B.S. in Mechanical Engineering

Dodson, Charles E. — Kansas City, Mo.
Northeast High School, Kansas City, Mo.
B.S. in Architecture
Sigma Chi; Phi Eta Sigma; A.A.S.; Cycle Art Editor 3.

Ganzer, Edward A. W. — Blue Island, Ill.
Blue Island High School, Blue Island, Ill.
B.S. in Electrical Engineering

Goldman, Charles M. — Chicago, Ill.
Crane Technical High School, Chicago, Ill.
B.S. in Architecture

Minx, Emil J. — Chicago, Ill.
Thornton Township High School, Harvey, Ill.
B.S. in Architecture

Pepe, Salvatore E. — Chicago, Ill.
Crane Technical High School, Chicago, Ill.
B. S. in Civil Engineering
Honor "A"; W.S.E. 3, 4; Baseball 3, 4.

JUNIOR CLASS

THE CLASS OF 1932

The class of '32 has now passed through the third collegiate year of its war against engineering fundamentals. As might be expected, there are not so many members as formerly, for various rigors and hazards have been encountered and these in turn have exacted their usual toll. Through this experience the members of the class are beginning to realize what it will mean to enter the cruel, merciless world of business competition after departing from the friendly walls of Armour Institute of Technology.

J. O. Cavanagh

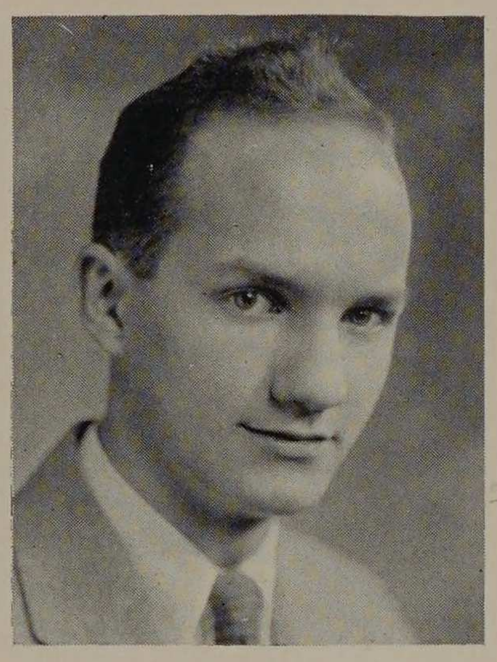
Using the knowledge of calculus, physics, and mechanics gathered in the sophomore year, the class bravely encountered the problems in the engineering subjects. Theory in the basic subjects now has a greater significance in actual engineering application. Although the class realizes that it is travilling the road which is well marked and well policed by the faculty, yet it believes that it has completed the lap with due credit to itself.

'32 men have carried the spirit of the class, and all have been eager to elevate the school's good name by supporting every activity. Although not successful in securing championships in interclass athletics, the fact that the other classes did not have an easy time winning the contests clearly indicated that the defeats were not due to a lack of enthusiasm or

Ustryski, Sandberg, Hawes, Walker, Wieland, Schramm, Bogot, Chun, Leichtenberg, Beattie, Hess, Graham, Hammond, Hostetter, Zvonecek, Nelson

Kantner, Wierzbouski, Wiltrakis, Yount, Young, DeOrio, Morowitz, Cannell, Goldstein, Clucas, Otto, McCall, Moncallet, Carlton, Bergtson, Owen.

THE CLASS OF 1932



W. H. Rudolph

interest. Athletes from this class have been prominent on all varsity teams. Besides its athletic ability, the junior class has shown its skill in other activities. It has been well represented in the various musical organizations. Some of the members have had engineering experience in stresses in strings, much to their discomfort, while trying to lull a melody from a refractive instrument. Other members have shown their literary ability in the various publications of the Institute. These young hopeful journalists were given the opportunity to prove their true genius by positions on the staffs of the Armour Tech News, the Armour Engineer, and the Cycle. In all probability, the training thus gained will serve in good stead when these men, on entering business, will be forced to write reports, so distasteful to the average engineer. The junior class has given its most hearty support to the various engineering societies, as it fully realizes that contact with engineers engaged in actual practice should be a part of an engineering education. The experiences of these well-known engineers in overcoming the various difficulties that continually arise in actual practice provides a knowledge and inspiration that cannot be secured from any text-book. The smokers of the various engineering societies did much to create that feeling of

Erickson, Lane, Sandstrom, Ladzinski, Hornberger, Hromada, Mitchell, Grundstrom, Casper, Rasmussen, Trauten, Dirkers, Lindblad, Tonsager, Chapman.

Meuret, Abendroth, Clear, Matheron, Poetzl, Richter, Stoeklin, Fagen, Nebel, Schultz, Wigner Venema, Waindle, Jungels, Nelson, Schodde.

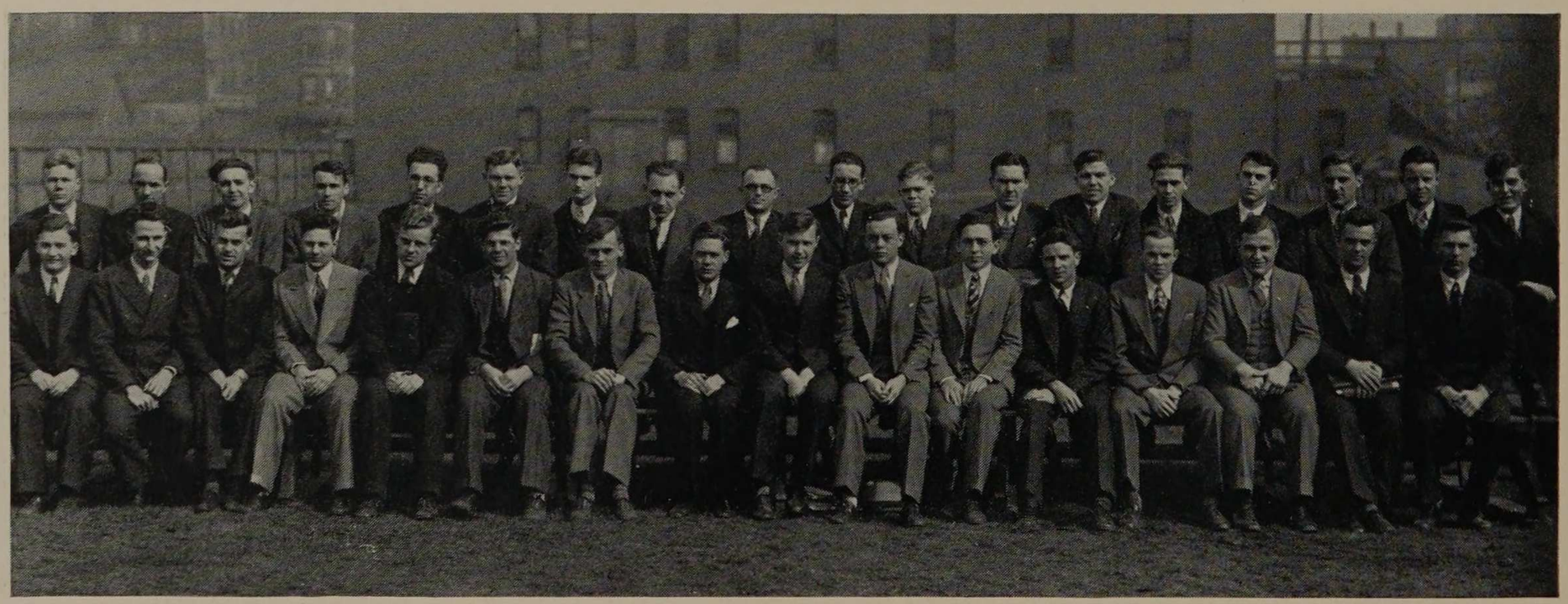
THE CLASS OF 1932

friendship between the members of the class. Thus, we may say that the class of '32 has been well represented in extra curriculum activities.

F. A. Ustryski

Although it is well known that the primary object at any engineering school is to become familiar with the elements of engineering, the junior class realized that it was unwise to neglect the social aspect of college life. As it is customary to reserve mention of the best things until the last, let us dwell a moment upon the great social event of the year, the Junior Prom. In accordance with the precedent of accomplishing things, established by the junior class, the annual dance was a huge success. On an early May evening the class cast aside its academic troubles, and gathered together to dance to the hyphenated, syncopated rhythms of the best orchestra in Chicago. Second to the Junior Formal was the Junior Informal, held on January 16 at the Steuben Club. Here, again, the junior class proved its engineering ability in the production of a larger and better dance.

Each member of the junior class begins to realize that it is now time to take an inventory of his ability. There is still one year to go, but with the passing of that year the opportunities of student life and activities of the Institute will be placed behind. It is now necessary for each one to

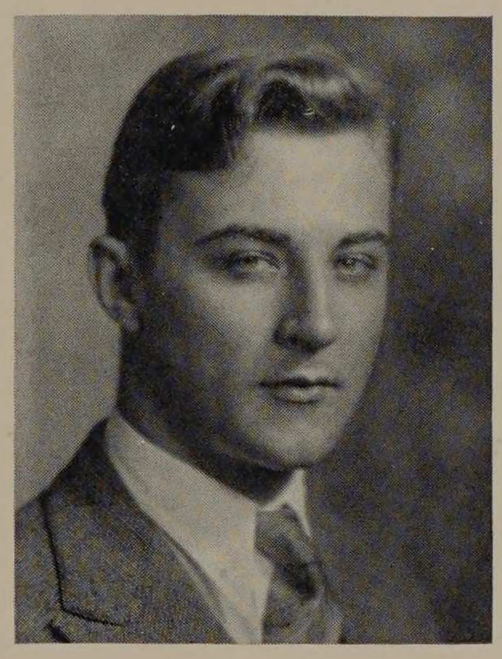


Westerberg, Rudolph, Longwell, Hallen, Schinke, Bowman, Cannon, Jost, Tibbits, Sherk, Meehan, Nordell, Minnick, Winbolt, Cornwell, McGill, Colcord, Grosses.

Melcord, Davis, Korrell, Stockmann, Rossing, Heckmiller, Richter, Beal, Jackson, Frye, Milevsky, Stalzer, Tilt, Arends, Hill, Krahl.

THE CLASS OF 1932

find his weak points and to get into a training program which will develop him into the student that he should be. Individual attention to this while there is yet time means much in the cumulative achievement of this class during the ensuing year.

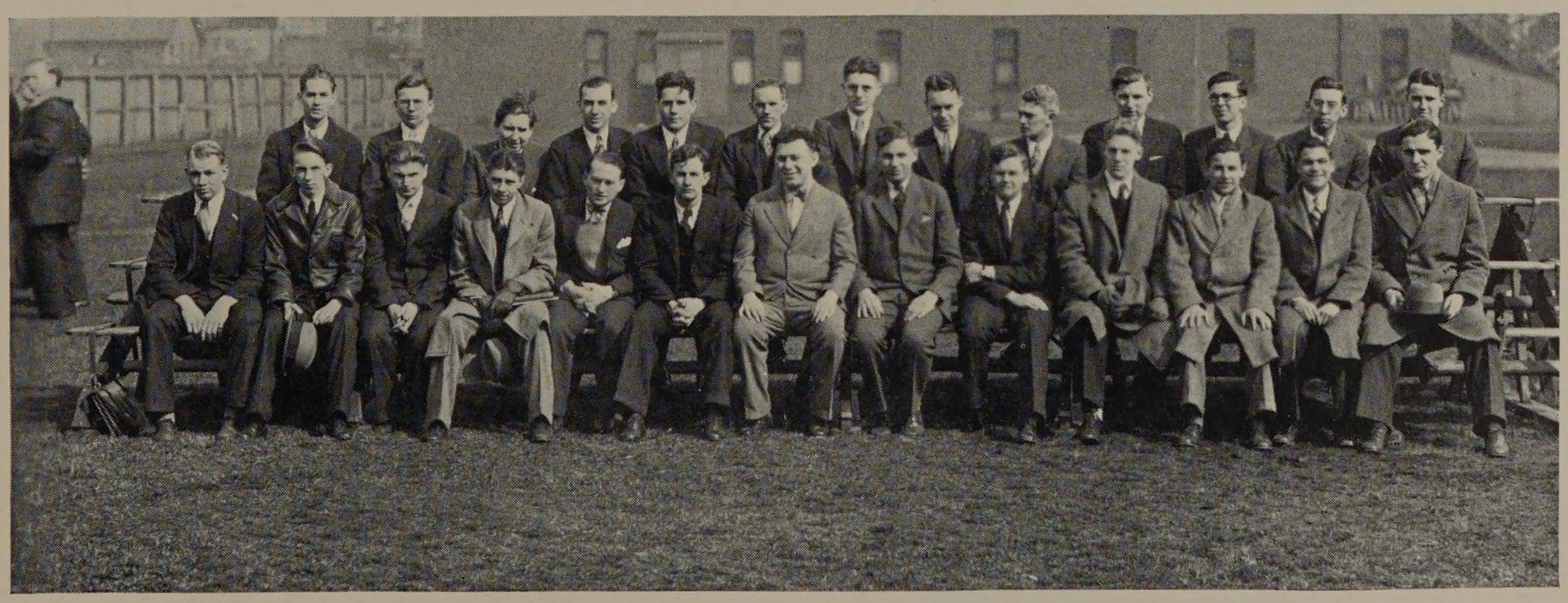


T. A. McGill

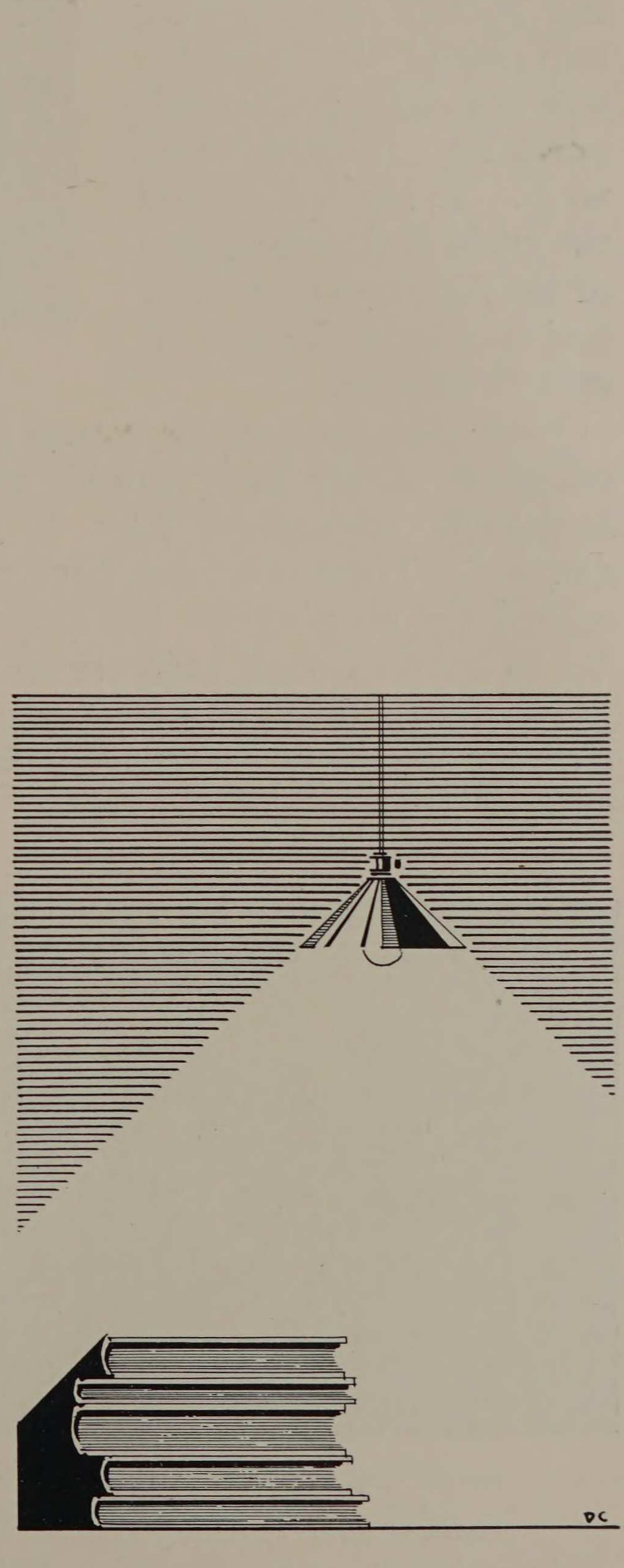
It is the duty of the class of '32 to continue its education in the field of practical application of the fundamentals already gained, so that it may move into the work in the field of engineering left by our fellow engineers who have preceded the class, and to do that work with the grace, ease, and skill befitting a successful engineer.

Next year, the members of the class of '32 will sit in the seats provided for the seniors. With the ability and interest already demonstrated by the class of '32, the Institute can expect to have a senior class next year which will furnish the professors an opportunity for applying educational theory. The class of '32 assures all that it will participate and plunge forward into the activities which another year may bring forth.

Many men who were just raw products on entrance to Armour have blossomed into powers in the various ramifications of the school. As juniors they distinguished themselves but most of all their achievements have been emblazoned in the shining history of Armour.



Cameron, Bigelow, Ratner, Babcock, Spawn, Hodgson, Linnell, Cavanagh, Viel, Blom, Field, Wilkie, Fox.
Eskonen, Jackson, Hruska, Baumann, Long, Lind, Berger, Holland, Dickey, Jens, Hartbauer, Seiferth, Mueller.



SOPHOMORE CLASS

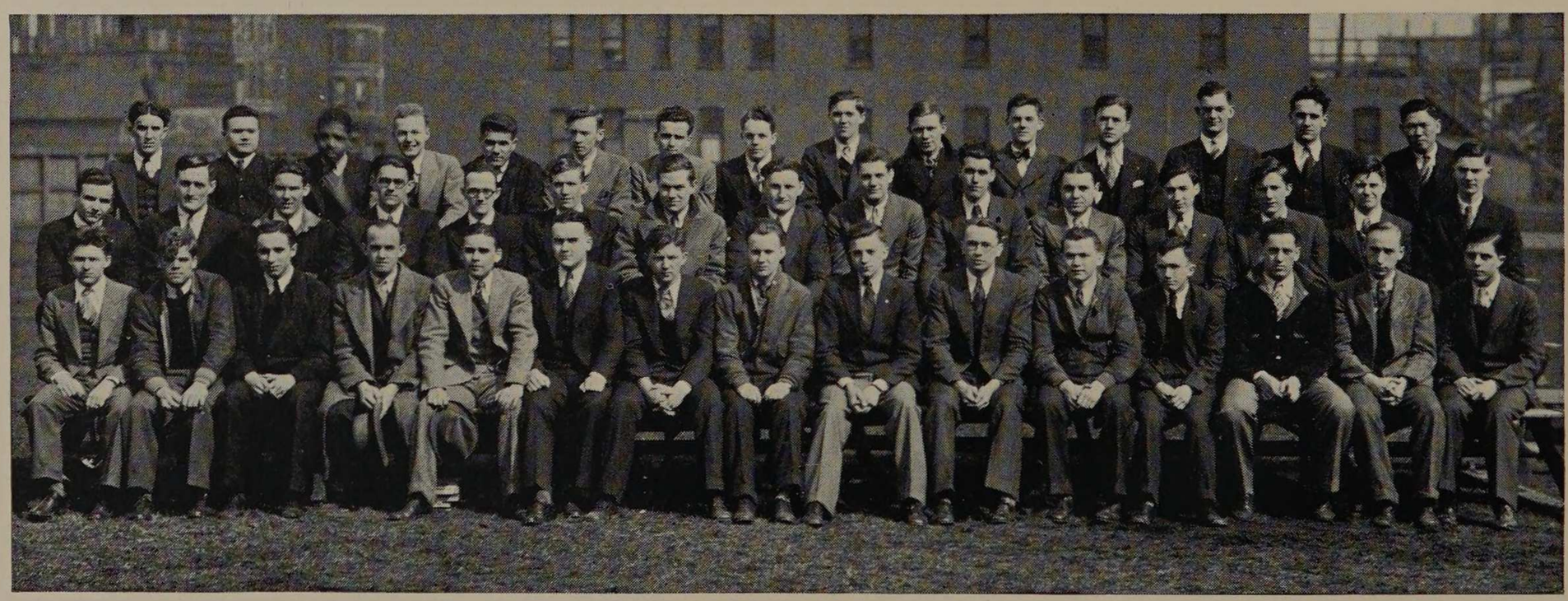
THE CLASS OF 1933

The class of '33 now stands midway in its collegiate career. Like Janus, the Roman god, having two faces, the class has now the right and the opportunity to look both ways. It has left behind the trials and tribulations of the first two years; it is facing the privileges of upper classmen.

E. E. Sademan

Now that the first two years of a collegiate career have passed, some intangible advantages may be recounted. These two years have permitted the members of the Class of '33 to learn to work together and to grow into the spirit and traditions of Armour Institute. Strangers have become friends and classmates. A spirit of cooperation has been developed. At times, this spirit has reached such a high degree as to cause strenuous objections from the professors. Greater ability to analyze each problem that arises has come to each member of the class. With these added advantages, the class of '33 presses forward to the work of the next two years during which time these friendships will be further strengthened and a deeper feeling of loyalty to Armour will continue to flourish and grow.

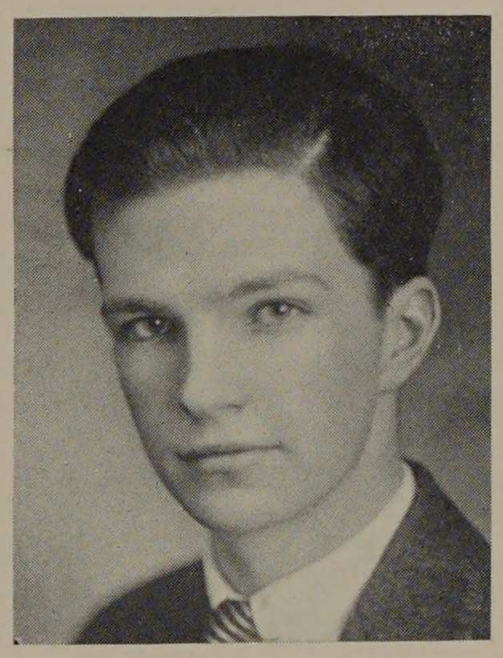
As freshmen, the members of the class became acquainted with the routine of college life. As the newness and strangeness of this life wore



Seafuri, Cislak, Alexander, Dumser, Demikis, Jeffery, Oberbeck, Thomson, Alexander, McWilliams, Berglund, Kenner, Davidson, Gidvan, Goo.
Hoffman, Chandler, Rupprecht, Lewis, Job, Leonard, Wilson, Moravec, Buehne, Snelling, Galvani, Fishman, Bestles, Winegar, Reber.
Johnson, Anderson, Snapp, Staib, Bodinson, Hulsivit, Weldon, Curran, Kaiser, Priban, Marks, Golden, Cohan, Ream, Rowe.

THE CLASS OF 1933

off, there began the struggle for existence. The class emerged from the freshman year, fewer in number, but with an increased knowledge of science and mathematics.



W. H. Larson

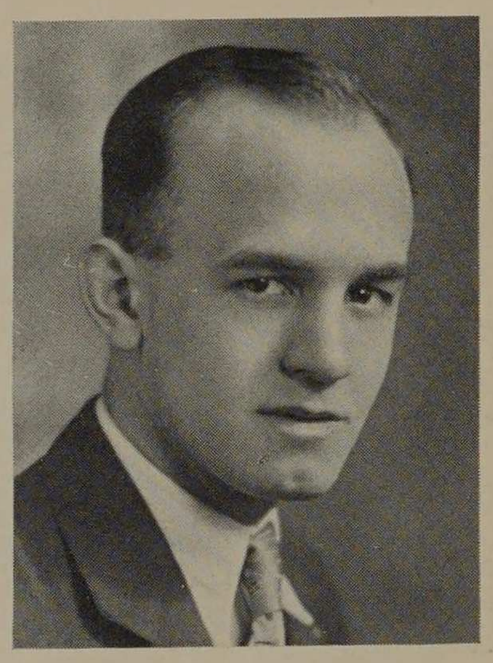
Like others who had gone through the sophomore year, the members of the class of '33 started out with their show of high hats, for had not they survived the freshman year. Somehow, this feeling of superiority soon disappeared. The courses of the sophomore year made the subjects taken while freshmen seem quite elementary. The men of '33 delved into those mysterious signs of calculus with a zest but it was with a sigh of relief that this subject was left behind. Physics, emphasizing this changing world of ours, offered some troubles at first, but by perseverance these difficulties were finally overcome. During this period, the members of the class learned of the versatility of the "slipstick" to make calculations, both correct and incorrect.

During its short time at Armour Institute, the class of '33 has accomplished much in creating that feeling of fellowship among its members. Each feels that the class will do its share in upholding the traditions and standards of the school, as well as adding new and higher ones. Already,

Novak, Donnelly, Morris, Erisman, Christensen, Rowski, Benson, Richard, Steinhaus, Pfeiler, Larson, Reichel.
Cone, Gess, Wojtasik, Meyer, Duncan, Sommer, Johnson, Runge, Sorensen, Bannasch, Becker, Dufour, Sademan.
Anders, Feinberg, Regnery, Vallette, Reigh, Belford, Eberth, Burnett, Juvinall, Miller, Simons, Hollmann, Campione, Guva, Carlstrom.

THE CLASS OF 1933

the members of the class realize the responsibility that will all too soon rest upon their shoulders. They are determined to have the proper preparation, so that they may be more than mere sales engineers.



O. W. Staib

In athletics, the class of '33 has had great ambitions, for have not other college boys vaulted their way into fame and fortune by their athletic prowess. Already, the sophomore class has shown its ability along this line by placing several of its members on the varsity teams. As a result, these teams are possessed of a more determined spirit because of the presence of sophomore candidates whom they know will be capable of carrying their responsibilities in the future years. While the class of '33 did not win any interclass titles, it has had the satisfaction of knowing that its opponents were pressed to their limit before finally conquering it.

Being a versatile group, the men of '33 realized that to get the most out of school life, they would have to become associated with the many organizations of the Institute. It was apparent to each that mere technical training was insufficient for real material success. Hence, many of this class have secured positions on the various publications. The fact that the class was well represented in the

Bronwell, Rooney, Kampwirth.
Loesche, Mauer, Beemsterboer, Poedtke, Beard, Bottorff, Andersen, Zirivas, Clayson, Quinnell, Nelson, Belton, Mulroney, Donnellan, Meade, Gabriel, Higgins.
Gibian, Pearson, Ollison, Gault, Booth, Hall, Lantz, Pihl, Anderson, Davies, Leavitt, Tyler, Reynoeas, Ellis, Pechman, Nelson, Smethells.

THE CLASS OF 1933

J. T. Sorensen

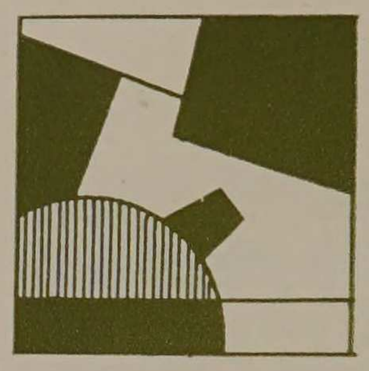
various musical organizations tended to prove that music has its charms, even for an embryo engineer.

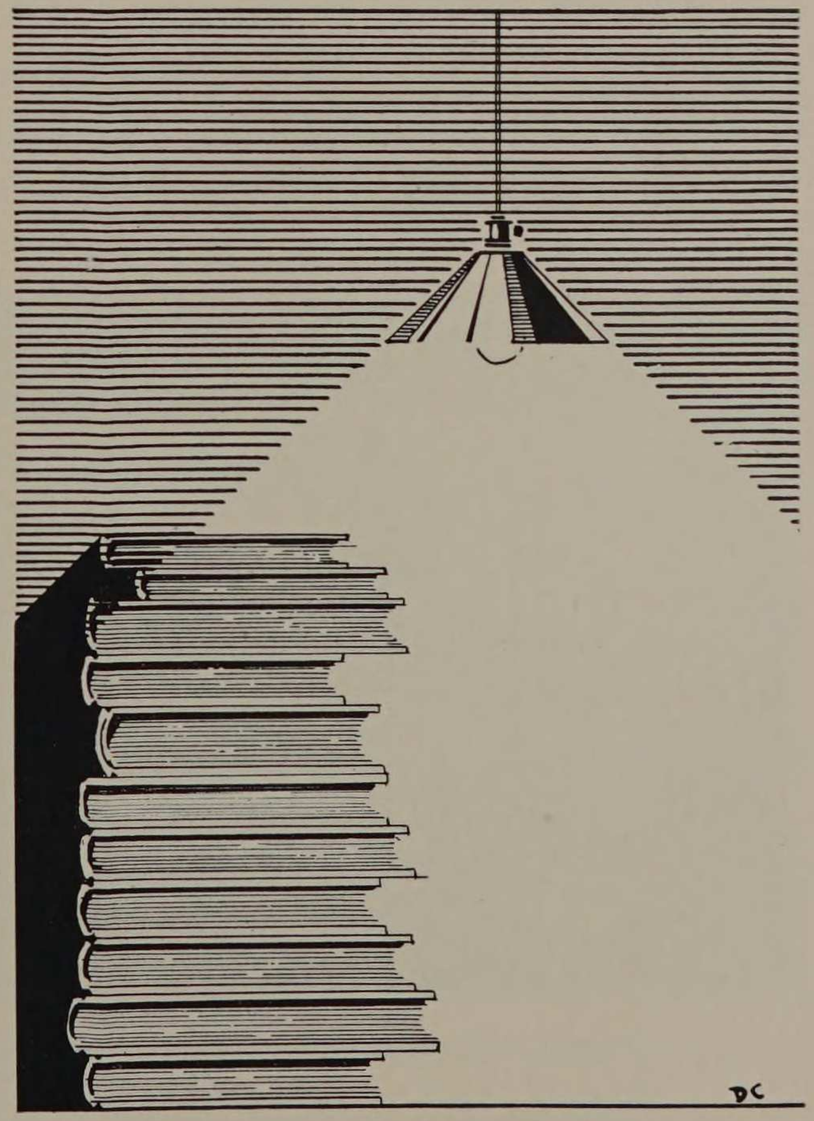
The class of '33 proved its mettle by its victory over the sophomore class in the Class Rush of 1930, after a spirited combat. It looks forward to the Class Rush of 1931, where it is determined to provide a sensation and set a precedent by overthrowing the freshman class.

Now that the class of '33 has passed its winter solstice, it is now ready to advance into the summer sun of engineering application of mathematical and physical theories. They have received the first part of the engineering training so essential for the successful engineer, and they fully appreciate the efforts of the instructors and professors in providing this training, although at times this effort apparently produced no result. The class wishes to thank their professors for the interest they have taken in the various members of the class. By now, each member fully realizes the responsibilities that he must assume upon becoming a full-fledged engineer, but this knowledge only causes him to resolve to continue his so-far successful struggle for knowledge.

The Class of '33 looks forward to its next two years at Armour Institute with great interest.

Bollinger, Krawitz, Meyer, Burnet, Clanton, Kerrigan, Gisske, Stemkowski, Peterson, Meyer, MacFadgen, Penfold, Trussell, Carlstone, Johannisson, Luckerman.
Robbe, Rosenfeld, Hanrahan, Dickey, Fernbach, Lange, Paine, Kreisman, Winogrond, Jenson, Moline, Helmick, Shaver, Hackley, Barnett, Forte, Kent.

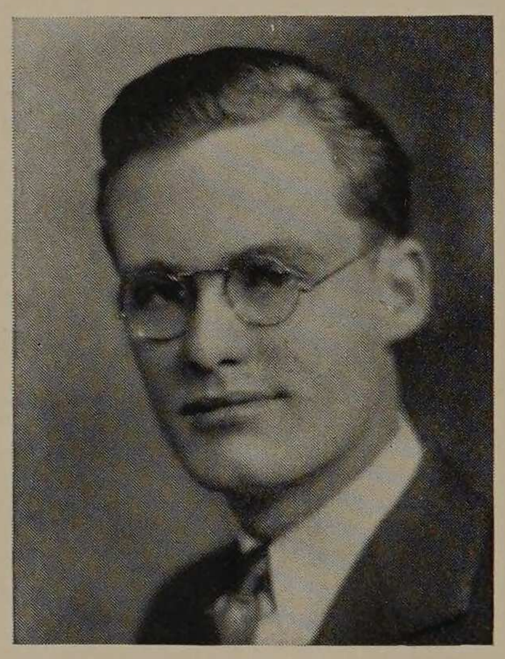




FRESHMAN CLASS

THE CLASS OF 1934

Knocking at the gates for admission to an opportunity for four years of hard work were more than eight-hundred men. From these, some two-hundred and fifty were chosen to represent the Class of '34. It was a joyous day in September when these chosen few first entered the Main Building of Armour Institute of Technology, for the purpose of enrolling. This group at the first represented an unknown quantity, full of expectations and hopes, but with nothing proven.



R. H. Cheatham

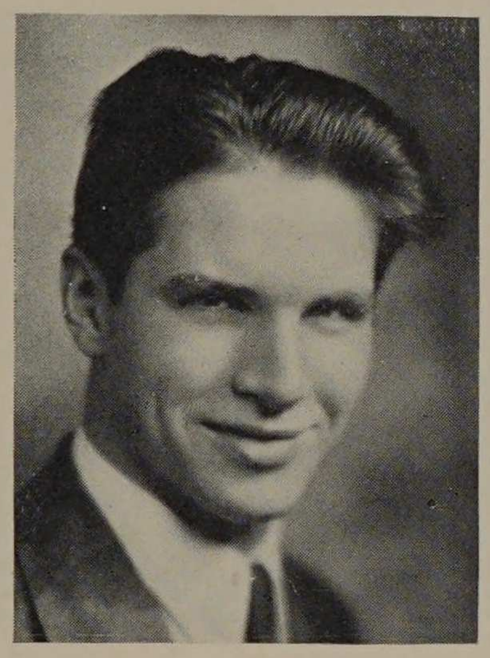
To the members of this class, the entrance was a radical change, and marked the beginning of another epoch in their lives. Soon, they found themselves over their heads in a sea of chemical and mathematical terms. The class, however, managed to withstand these early storms of the Armour curriculum, and was soon striking out for calmer waters, tired but unbowed.

On a clear autumnal evening in early October, the first freshman social function took place in the form of the Freshman Handshake. The Handshake was a momentous success in creating a feeling of welcome and friendship toward the newcomers. After the program given in the Assembly Hall, everyone feasted on doughnuts and apple cider.

Koenig, Nelson, Johnson, Svoboda, Schmidt, Kastner, Raschke, McCurdy, Krol, Williams, Rosol, Rodeghier, Mallard, Jung.
Lehmann, Aravosis, Ziegler, Krause, Englander, Lukey, Stormer, McWade, Christoph, Hindenach, Lang, Lukas, Kuffel, Bachner, Thomos, Rybel, Flour, Laestalius.
Parra, Cramer, Callen, Bradac, Larson, Behles, William, Davidson, Sachs, Marcus, Machinis, Beckman, Hoyer, White, Viktora, Harman, Ferrara.

THE CLASS OF 1934

Following the Hand-shake came the Fraternity Rushing Week of the social fraternities. Each freshman suddenly became a popular lad. The combination of social activities and studies, however, made sleep a comparative oddity, causing the studies to receive a temporary setback. Finally, there was the supreme social event, the Freshman Class Dance, held at the Illinois Women's Athletic Club on April 24. It can be truthfully said that this event eclipsed all other social functions.



D. S. Manson

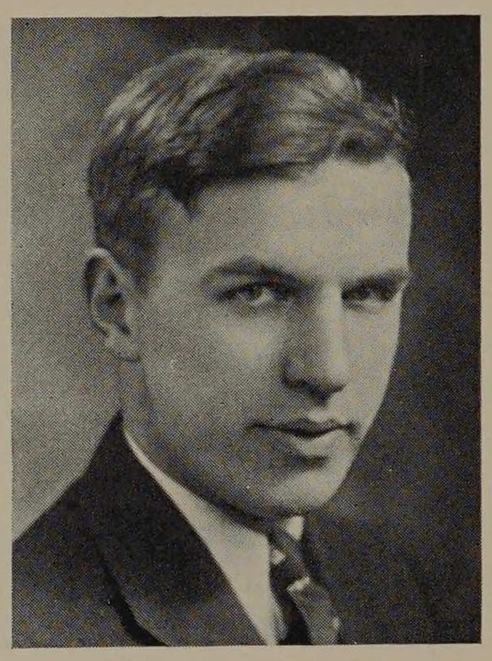
The frosh were launched on their political careers on October 3, when they held their nominating assembly. Here, the candidates for the various offices were nominated amid raucous discussion and debate. At the general election, officers were chosen to pilot the class through its first year, the interest of the class being shown by the large vote polled.

The freshman class promptly proved its mettle in athletics by defeating a crack senior baseball team for the interclass title, although the senior line-up contained five varsity men. When the basketball season opened the frosh further exhibited their ability by conquering the sophomores, then snatching the interclass cage title from the confident juniors. Moved

Myers, Mills, Weber, O'Alba, Moskowitz, Anders, Goodman, Simon, Cheatham.
Knudson, Freitag, Gosswiller, Schneebalg, Fieldman, Auge, Wucher, Simpson, Kaup, Kelch, Roseen, Renstrom, Kuehn, Avery, Spangler, Glazer, Lantz, Morelli.
Herzoy, Gibson, Finlay, Eyan, Cunningham, Alberti, Lynch, Wulf, Polka, Huster, Omieginski, Riess, Traver, Keirna, Egloff, Scharf, Kostenko.
Cherwin, Huetten, Camsky, Kaiser, Thompson, Schamp, Larson, Rummel, Brenner, Colburn, Kosdn, Manson, Lundin, Headen, Hensel, Bacci, Koko.

THE CLASS OF 1934

by this impetus and tightening their belts for an even more crucial test, the freshmen look forward with confidence to the Class Rush. Here, they hope to uphold the tradition established by previous freshman classes, and give the sophomore class a sound defeat.



F. C. Lowry

Now that these impressive achievements have been presented, let us turn with an appreciative eye, and look for the future possibilities of this group. Undoubtedly, the freshman class contains an abundant supply of material for every school activity.

Already this Class of '34 is represented in almost every activity by men who are striving to do things which will be of credit to their class and school. The class will provide a wealth of candidates for next year's varsity teams, candidates trained by experience gained in interclass competition. The class is also represented on publications and in the musical organizations by those of literary or musical talent.

And so, the Class of '34 faces the next three years with a feeling of eager confidence and enthusiasm. It is undaunted by rumors of the grave difficulties that await it in its future training. The class has now become acquainted with the routine of study

Feldman, McConnell, Smith, Markman, Rosenthal, Pinsof, Gibson, Paslawski, Walloy, Manly, Lahr, Noerenberg, Eberly, McFarland, Wood.

Fefferman, Goldman, Scheyer, Rhea, Ronowski, Adair, Little, Peavey, Sullivan, Jacobson, Thompson, Mueller, Anderson, Cerman, Hensel, Schremer.

THE CLASS OF 1934

at Armour Institute, and has secured a knowledge of the traditions and the spirit of Armour and the desire to uphold them. The first year has not seemed long, now that it has passed. The next three years will pass all too soon. In the light of the precedents set by those who have gone before, it shall follow the engineering route to its terminal. Not only will the Class of '34 follow, but it will also strive to carry the banner of yellow and black to still greater heights.

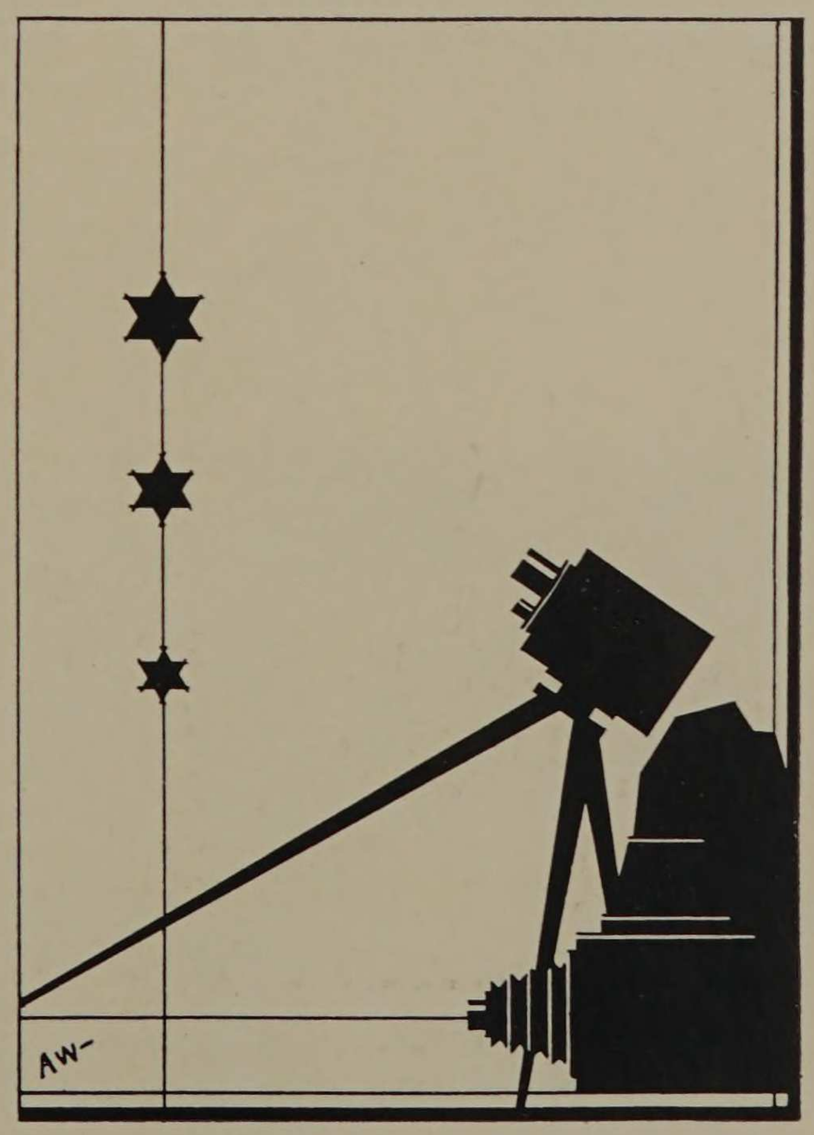
R. Drum

As the class progresses in its education, the members will more and more enter the various extra curriculum activities, and carry on the work of the various engineering societies, the school publications, the varsity athletic teams and the musical organizations. Thus they will realize the truth of Mr. Wright's counsel, that through this added effort, contact with the prominent business men and engineers is secured. This will prove to be of great benefit when the young engineers leave college to enter the business world. The knowledge and practical experience gained by working in these organizations will more than balance the time thus spent. Publications, athletics, clubs, engineering societies proved the most popular activities.

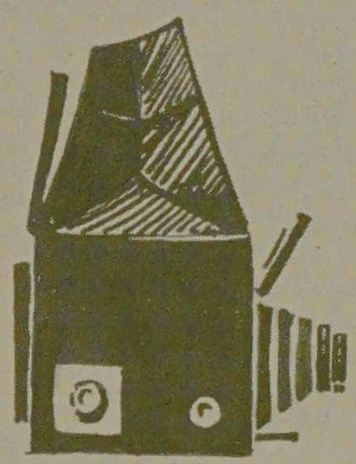
Stasiulis, Storey, Kolve, Lanus, Murphy, McDonald, McGuan, Shaw, Landwer, Bonnell, Lillis, McBrady, Munio, Cohrs, Graham, Levy.

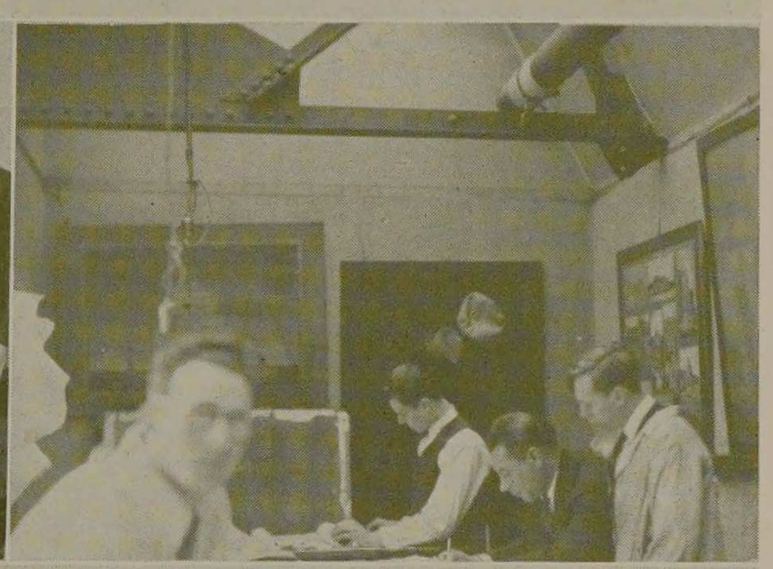
Lodeski, Henke, Swanson, Peterson, Swanson, Robinette, Schlobach, Dase, Drum, Bills, Lowry, Gray, Streb, Davis, Schorling, Richardson.

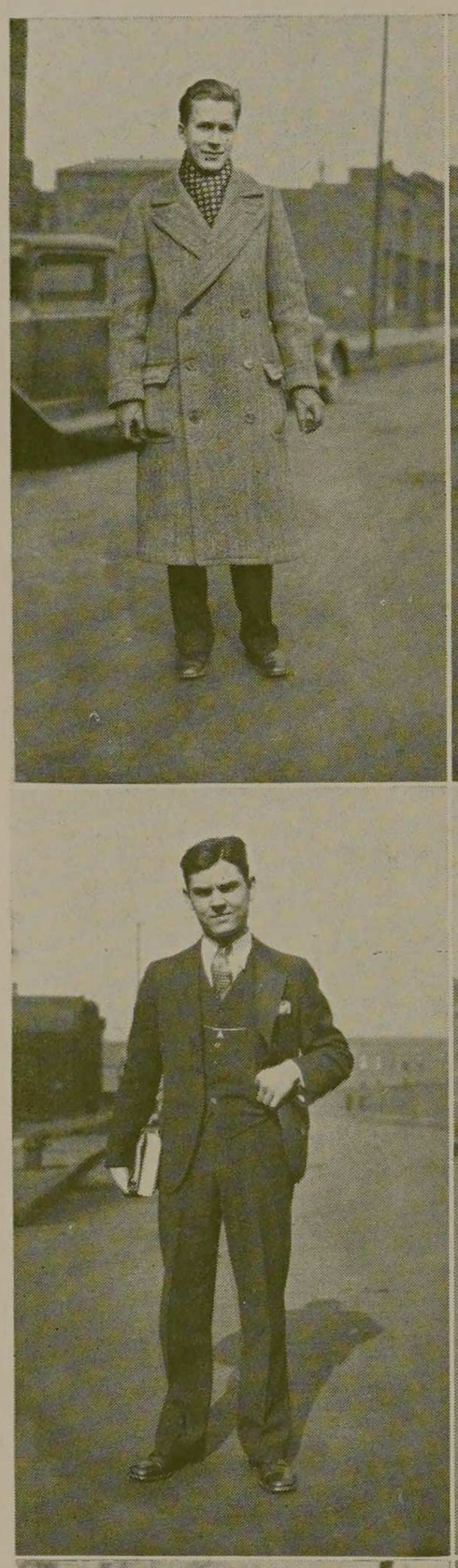
ACTIVITIES

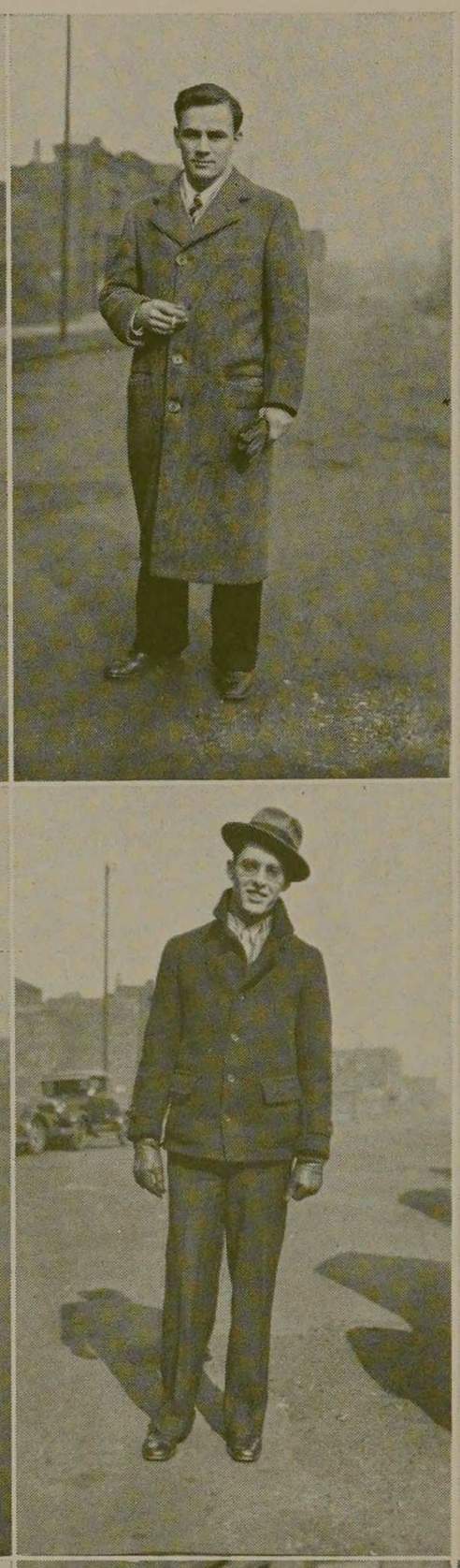


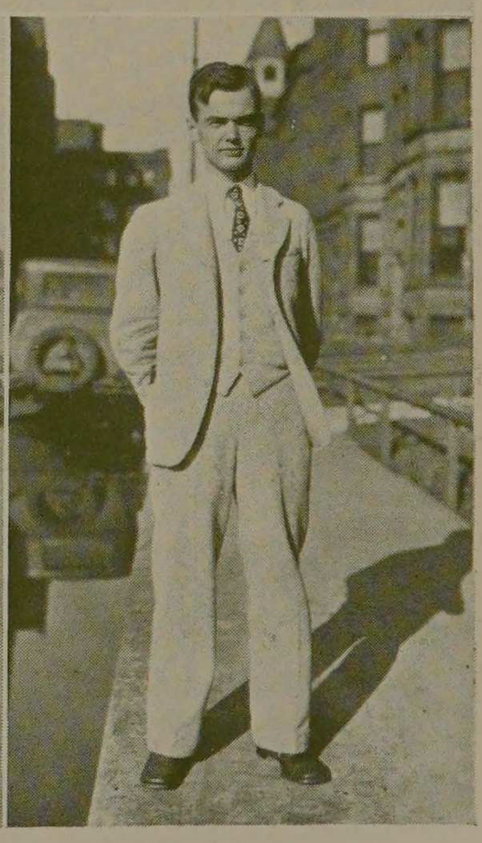
FEATURE

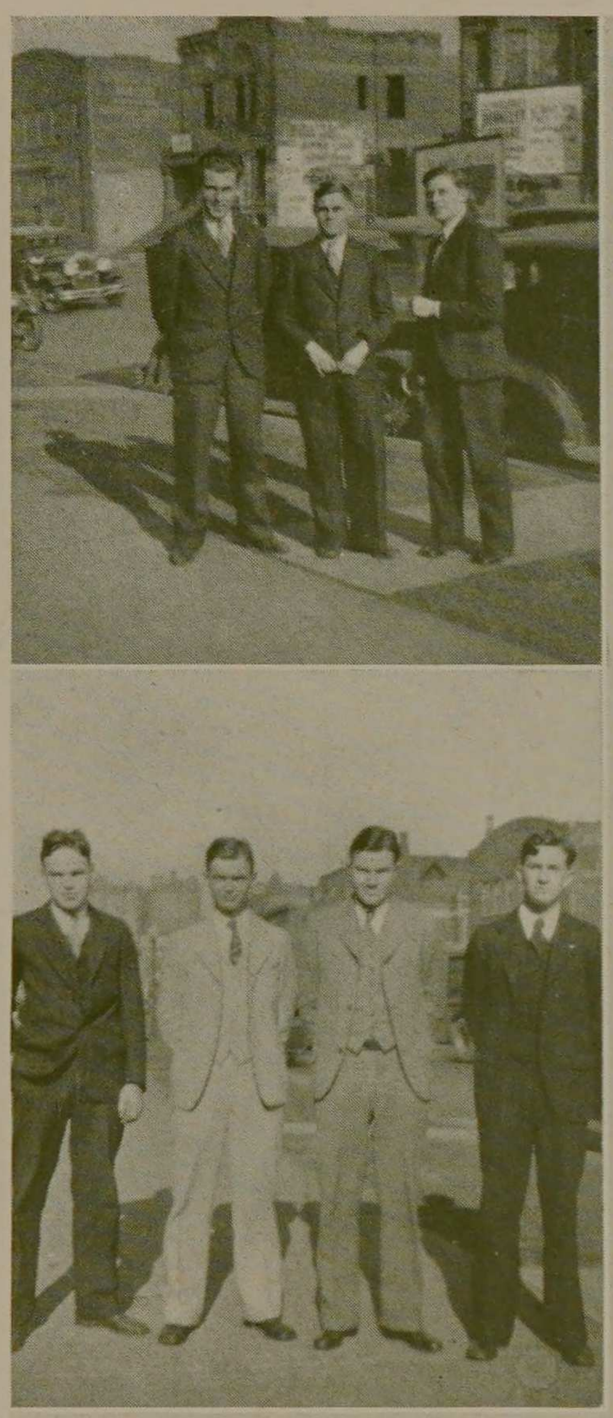


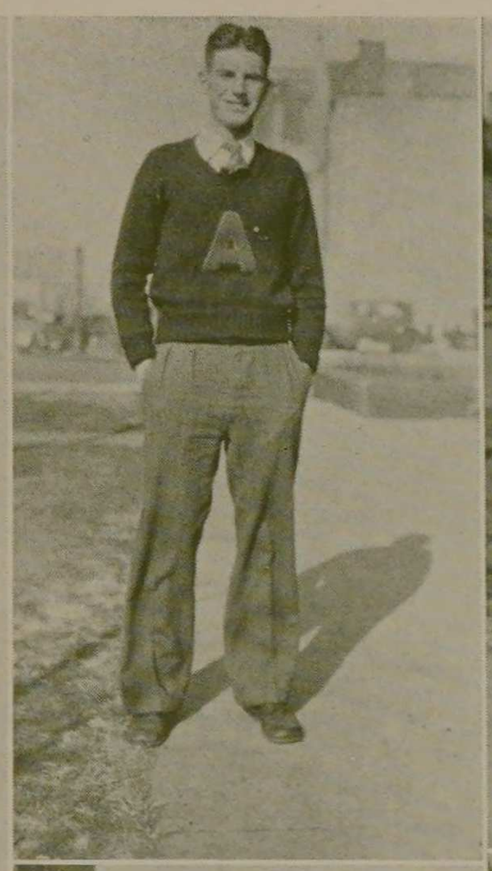


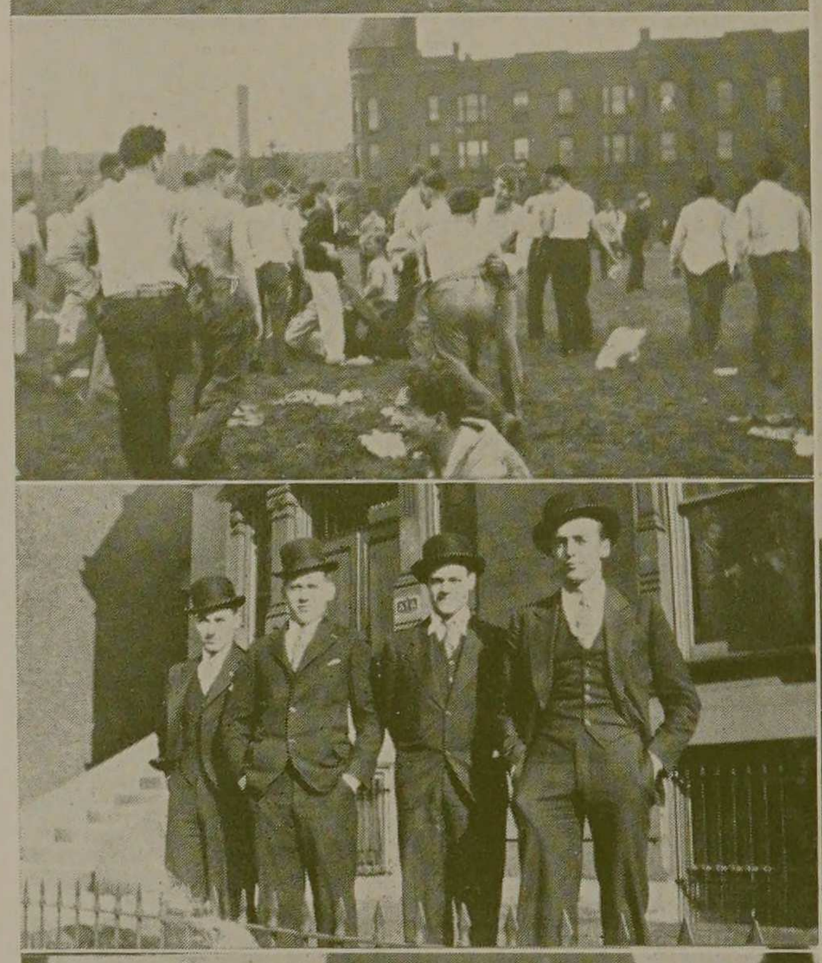




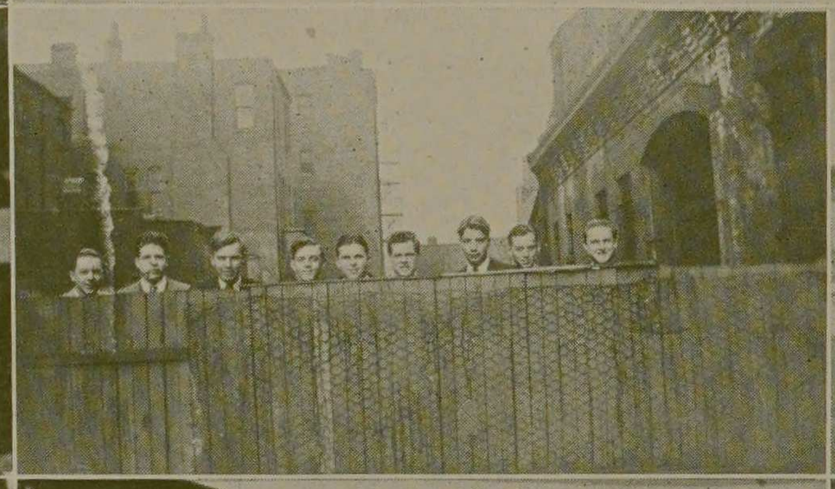


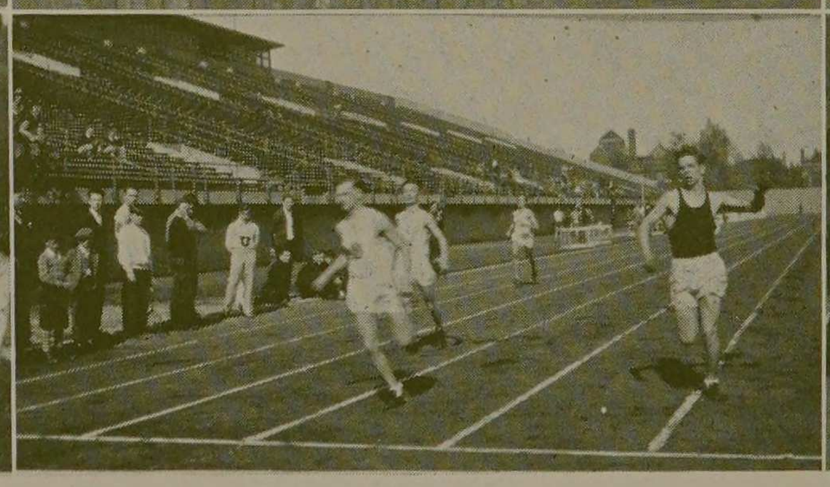


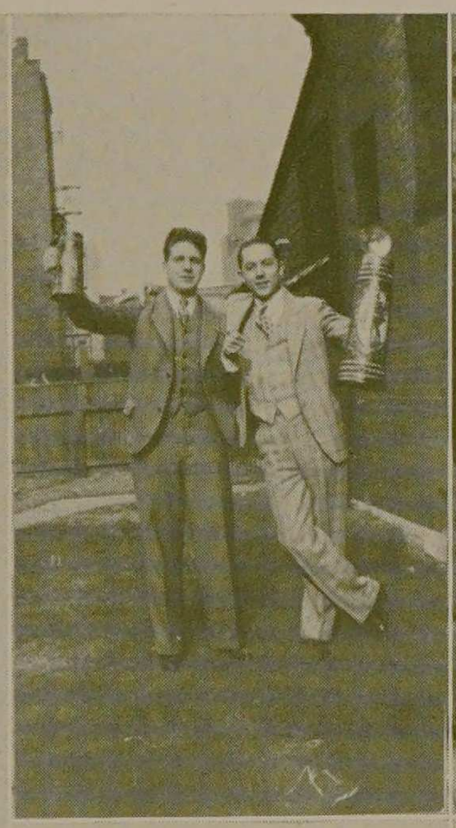




INDIANA
NORTHWESTERN







SOCIAL

JUNIOR SOCIAL EVENTS

The Junior dance committee after due meditation and cogitation succeeded in preparing a concoction of the place, the time, and the harmony, which merely demanded the presence of those alleged socially shy engineers and their adorable consorts to produce a promenade "Done Up Brown" in every respect.

J. J. Casey

Light-heartedness was contagious as twelve score, ten couples glided along the polished marble floor to the plaintive tunes and crisp jazz melodies of Jinx Bryant and his orchestra. And how the charming gowns of the fair sex were enhanced by the smart interior effects of the beautiful Steuben Club Ball Room. The lounges and the many nooks and corners of the club were welcome havens of rest when dancing was not the potent business.

All in all Friday, January 16, 1931, will remain as cherished memory to most of those who triped the light fantastic high above the din and roar of that ubiquitous evil, Chicago noise.

Accouterment and paraphernalia of engineers generally consists of high-tops, plaid shirts, slip stick, a weather beaten sombrero, thumbed and dirty blue-prints, a corn cob pipe, and corduroy trousers, but on the evening of May 22nd, Junior Prom Nite, you would have seen a sight to behold. In the intriguing atmosphere in the Hotel Knickerbocker, our adherents of the good Saint Patrick, adorned in raiment rather unfamiliar to conquerors of Nature, escorted their fair damsels with the most uncanny grace and nonchalance. But, why not? Those beautiful femmes had a restraining influence on impulsive Willie and kept him from doing something rash, like extending his big calloused hand for some sweet miss to clutch and uttering simultaneously "pleased to meetcha."

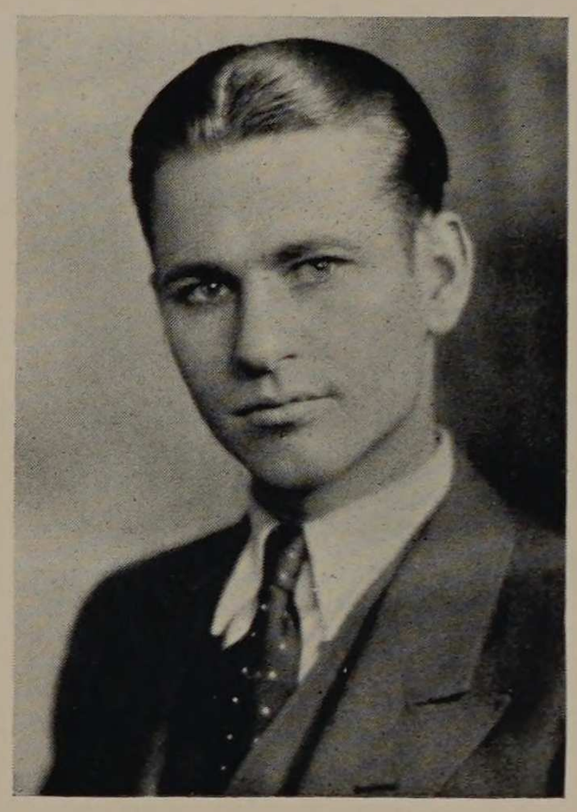
Murmurs of "Home was never like this" were heard from many an enraptured soul as the gaily bespangled waiters served the six course dinner that was to serve as a bracer for the rest of the evening.

A very intriguing favor added to the exclusiveness of the affair. The pen and pencil set which became permanent possessions of the pulchritude were truly treasured gifts. It certainly was a subtle innovation of the prom committee to offer the ladies.

Anyhow it was a great party. What more could be said.

FRESHMAN ACTIVITIES

Fifty gallons of apple juice plus six hundred and sixty doughnuts topped off the Freshman Handshake and started two hundred and sixty-three neophites on their journey through the labyrinth of mathematics, chem-mystery, et cetera with a fair conception, at least, of what could be expected from the upper classmen, faculty, and the place extra curriculum activities have at Tech. Before the cider and sinkers were indulged in, Armour Mission was caused to reverberate, from time to time, with vibrations emanating from the instruments of Stresses and Strains, applause for entertainers and speakers and the spontaneously incongruent singing generated by the yodeling body of Armourites.



L. A. Callen

Drab days of Fall and Winter somewhat curtailed the activities of the Frosh, but after the respite from the long arduous study of the first semester, the freshman social committee went to work with new vigor to produce a class dance and a function to better acquaint the men of the '34 Class. Friday, the thirteenth of March, the Freshman Smoker became a reality. At the headquarters of the Western Society of Engineers, Engineering Building, more than a hundred of Armour's embryo engineers enjoyed themselves with smokes, delicacies and music by a fifteen piece orchestra composed of the "green" ones. To add to the dignity and jollification of the occasion Professor Schommer spoke on many points of interest in his wide experience and travel while Professor Wallace Bruce Amsbary extracted many a chuckle from the boys with his very unique presentations in literature. Incidentally, the fags and smokes, gifts of Deans Palmer and Penn, helped smoke the boys up to a high pitch.

Two hundred and fifty couples made merry at the informal dance staged under the auspices of the 1934 Class on Friday, April 24, in the ballroom of the Illinois Women's Athletic Club. Social Chairman L. A. Callen and his committee should be congratulated for formulating such excellent dance arrangements. Elmer Kaiser's Northwestern Ramblers with their tantalizing melodies kept the males and their dainty guests in a rythmatic atmosphere the entire evening. Thus the Freshman social season ended with everybody happy and this class can always remember with pride, this, their first adventure into the social world.

You are cordially invited to be the guest of the

Armour Tech Athletic Association

at an

INFORMAL DINNER

given in honor of

The Athletes of the Armour Institute of Technology

Thursday Evening, May the twenty-second
nineteen hundred and thirty

in the

Adams Room of the Lake Shore Athletic Club

Please present this card

Dinner served at six-thirty

The Adams Room, as the hour approached six thirty on the evening of May 22nd, 1930, was replete with immaculately white table cloths, glittering silverware, posie bedecked tables and clusters of smart looking young men. Such was the Informal Dinner, given in honor of the athletes of Armour Institute of Technology, began with the ushering up of the steaming delectables by the servants of the Lake Shore Athletic Club. There were present one hundred and twenty-five strapping young figures from the various athletic teams, managers, the Board of Athletic Control, coaches, faculty and members of the student publications. Armour's popular musical organization, Stresses and Strains, offered a number of current hits.

Professor Philip Huntly, President of the Board of Athletic Control and toastmaster for the occasion, started things rolling with a short welcoming address. Dr. Raymond, Director of Athletics John J. Schommer, Dean Palmer and Mr. Allison spoke on various phases of athletics.

The banquet struck a more serious vein when W. King Simpson, President of the A. T. A. A. and captain of the baseball and basketball teams in his senior year, gave an inspiring talk on "What Athletic Competition Meant To Me."

An element of surprise was injected into the program with the appearance of several vaudeville performers after which motion pictures of an interesting nature were shown.

The banquet had more than usual significance, however, for it was definitely shown that those controlling the destinies of Armour have the interest of athletics at heart.

INTERHONORARY BANQUET

F. B. Attwood

The annual Interhonorary Banquet was staged at the Hotel Sherman on December 19, 1930. Many professors sat as guests around the banquet table together with about seventy-five of the honorary society men.

President Howard Monroe Raymond presided at the dignified affair, and after the usual formalities turned the assembly over to the guest speaker, Dr. Allen D. Albert, Associate Director of the Century of Progress Exposition.

Dr. Albert's dissertation commanded the closest attention of the undergraduates. His discussion of architectural design and the general plans of the Century of Progress thoroughly fascinated his audience.

The banqueters slipped out of their intensive receptive mood when Professor Amsbary presented a number of his sparkling French-Canadian recitations.

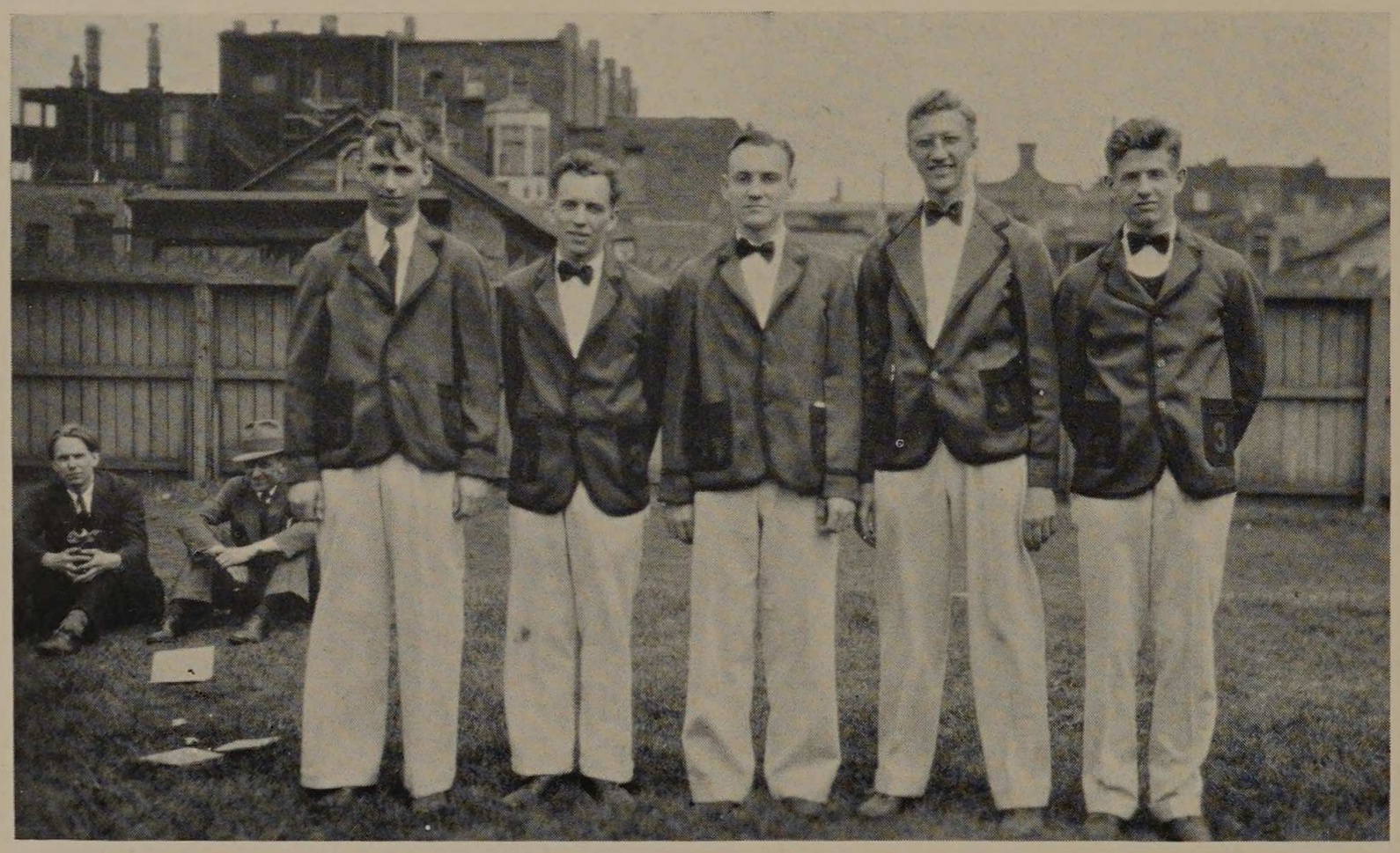
This very successful get-to-gether was concluded with the showing of several rolls of films.

When scholars, athletes, literary lights and men from the musical societies of Armour Institute get together, a great time is had by all. Such was the case when the Interhonorary Dance became a reality on the evening of May first, within the confines of the Knickerbocker Hotel.

Bobby Woodruff and his orchestra supplied the rhythm which was the necessary accelerating medium to put the dance over with a loud bang.

JUNIOR WEEK

JUNIOR WEEK 1930

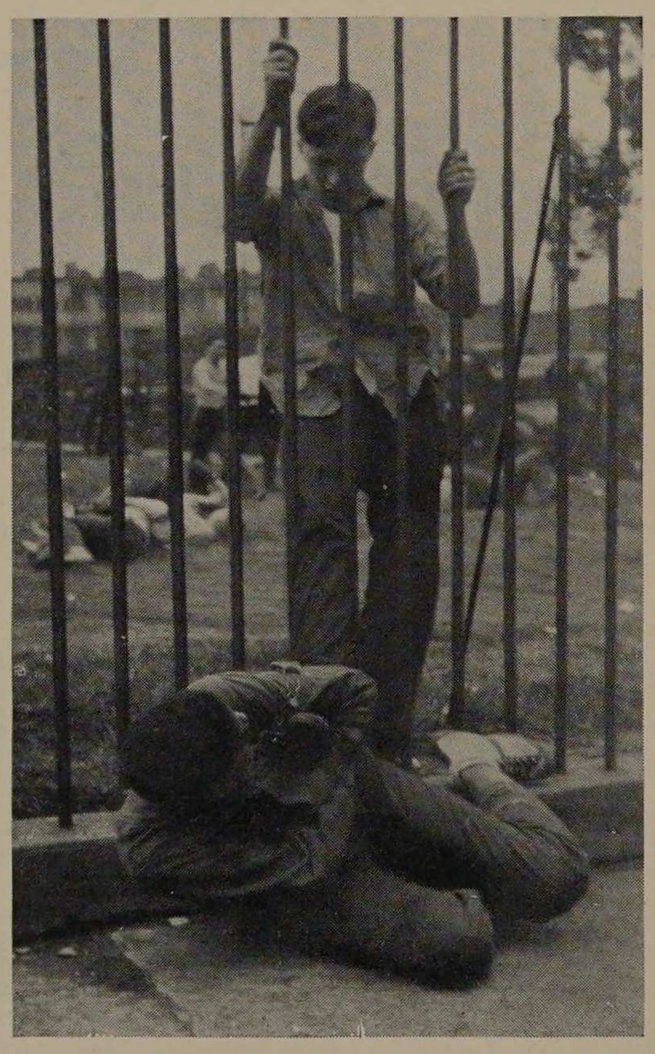


Henson, Austin, James, Schirmer, Jens

Junior Week, the One week of the thirty-six which make up the academic year at Armour, was held on the second week of May, 1930. Baseball, tennis, track, interfraternity athletics, Open House, the Home Concert and Stunt Day comprised the activities chucked into one hectic period.

Old Sol beamed from the heavens in a most satisfactory manner on the twelfth of May, to usher in Junior Week and Open House Night.

On tap, Wednesday afternoon, at three, the Lake Forest diamond aggregation, always an excellent baseball team, scintillated before a large crowd. Tech, however, with Simpson in form, mowed down the opposition for thirteen innings. No decision was reached and the final score was one apiece.



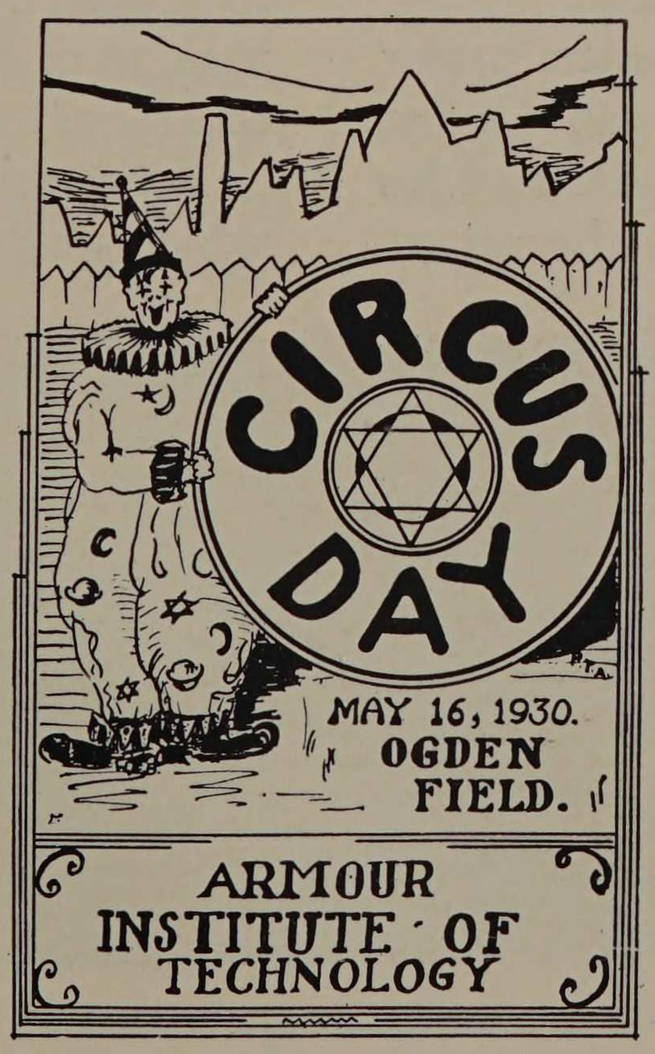
On that warm Thursday afternoon, the various social fraternities on the campus congregated for the Annual Interfraternity Track and Field Meet. Tension pervaded the atmosphere as those thinly clad lads prepared to do or die for their particular frater-

JUNIOR WEEK 1930

Freshmen Registering for their Annual Rush

nity. After a strenuous two hours of competition, Beta Psi Fraternity succeeded in capturing the silver cup for its mantel. Miran of the same house was the outstanding star of the meet.

An enthusiastic crowd assembled that evening in Armour Mission to enjoy the Annual Home Concert. All of Armour's musical organizations participated with gratifying results. The fraternities had their fling, too, in the form of the Interfraternity Sing. Traditional songs were rendered by each fraternity. Phi Pi Phi enraptured the audience with its rendition of the "Phi Pi Phi Dream Girl" and carried off first honors and a silver cup to boot.



Circus Day, the day of days, which is the most rollicking of the week, furtively crept up on the student body, but every one concerned was prepared. After the first hours' classes had become history, members of the class relay teams dashed for the field house to don their track trappings in preparation for the Interclass Relay. A bitter

JUNIOR WEEK 1930

An Intense Struggle for One of the Sacks

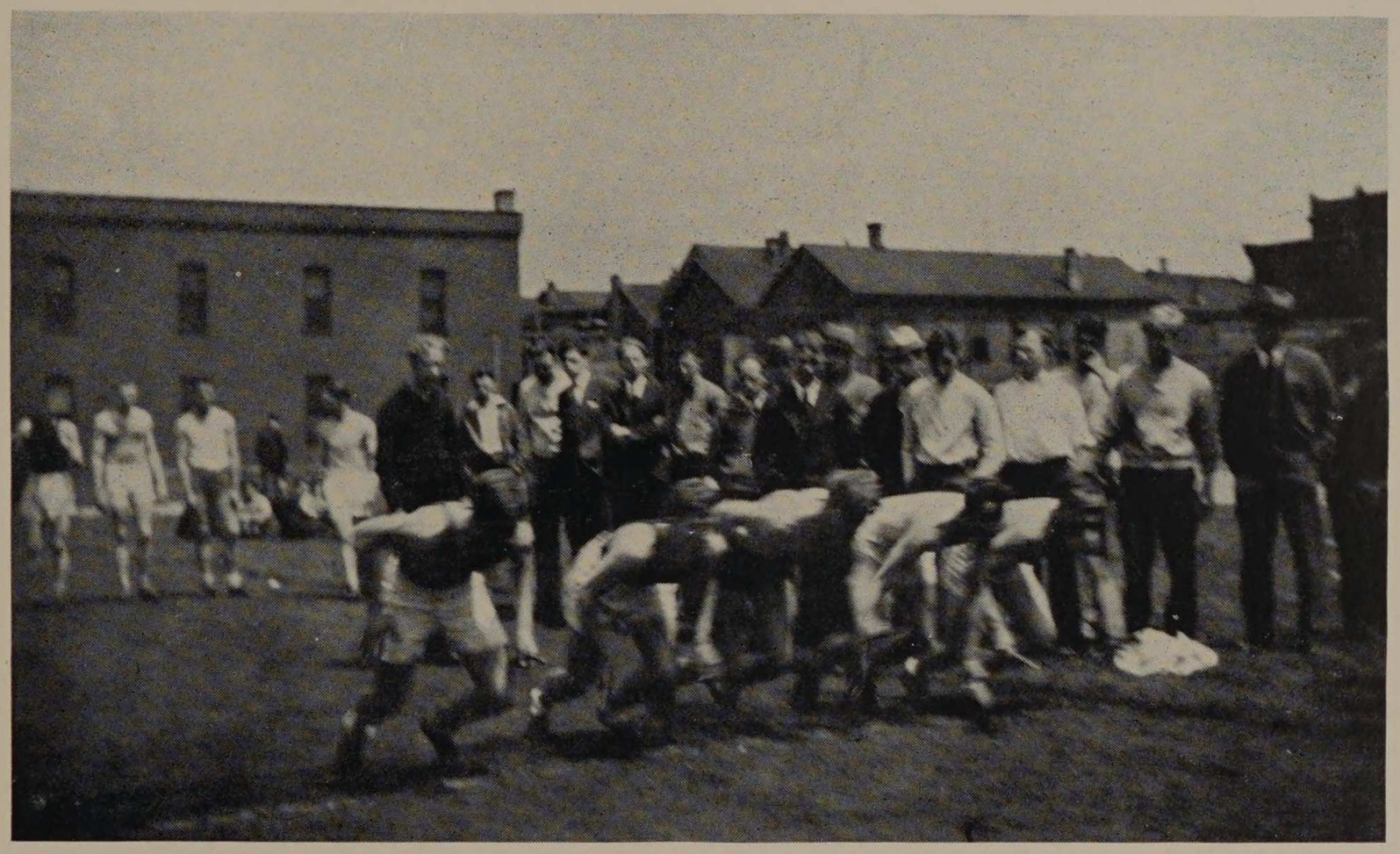
struggle was waged by the Juniors and Freshmen until one of the Juniors decided to oblige the Frosh with a diving act into the cinders.

After lunch the Freshmen under Vic Gustafson gathered at Ogden Field as did Rodger Waindle and his Sophomore adherents. In the meantime the loaded straw sacks and sand bags were being stacked in midfield. After each shirt tail and bruised shin had been accounted for, the Freshmen were declared victors by a score of 26 bags to 22.

A fitting climax for all the revelry which preceded it was the Fraternity

Sigma Kappa Delta—Winner of the Pageant and the Presidents' Trophy

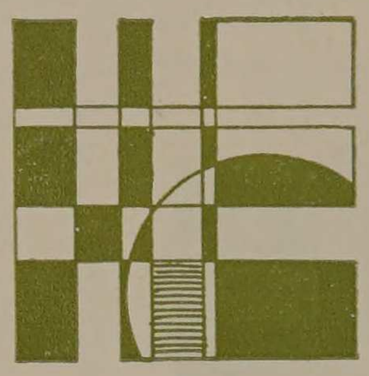
JUNIOR WEEK 1930

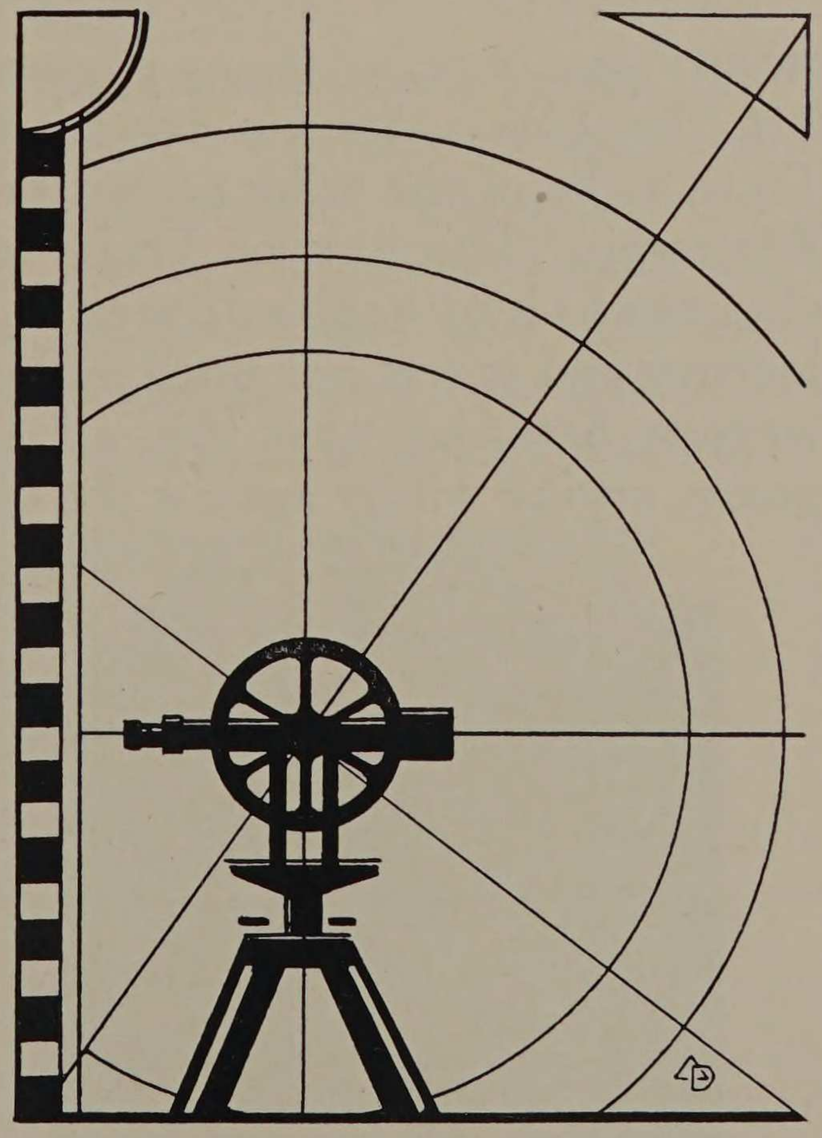


Start of the Interfraternity Relay

Pageant, presented to an appreciative audience within the Ogden Field enclosure. Each fraternity displayed its histrionic presentations and some of the skits provoked rounds of applause from the guests. "The Annual Scramble" offered by Sigma Kappa Delta was a novel sketch depicting prevelant methods of attracting desirable individuals into fraternity life and the judges were unanimous in awarding the Presidents' Trophy to them. Beta Psi's "Straw Market Review" and Phi Kappa Sigma's "Sailor Beware" also were unusually facetious.

Part of the Crowd that Viewed the Events of Circus Day





SUMMER CAMP

SUMMER CAMP 1930

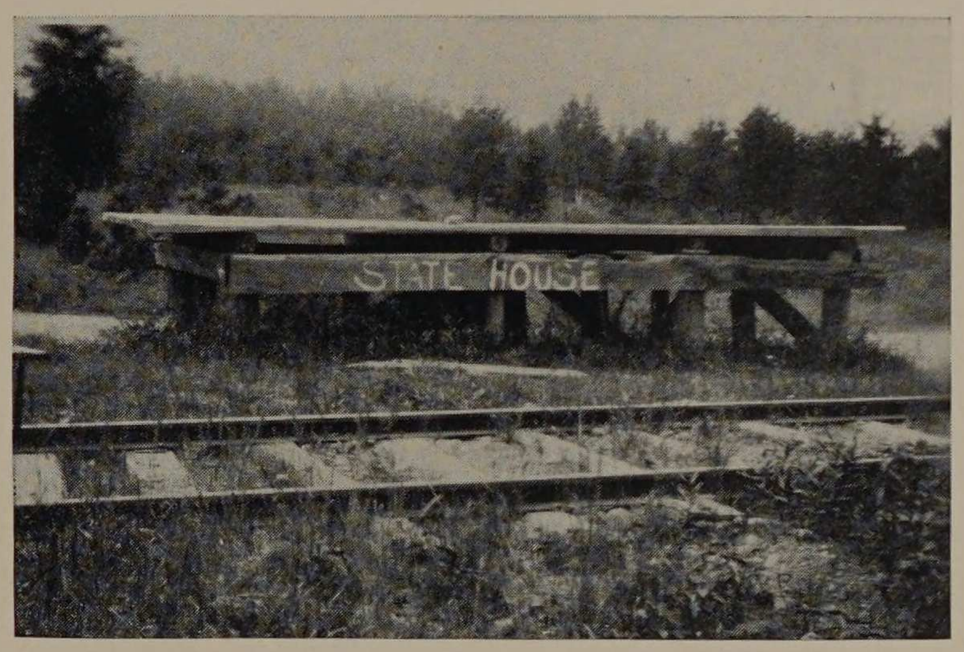
Once in every civil engineer's life comes the time when he must leave home and his loved one (s) to spend six weeks in Summer camp, experiencing the trials and tribulations of a surveyor's existence.

Accordingly, on Friday, June 13, twenty-one hopeful young engineers left the Union Station bound for Trout Lake in the wilds of northern Wisconsin. The jinx of Friday the thirteenth overshadowed their journey and it was not until mid-afternoon Saturday that the entire group, crying wildly against the dining car robbers, reached Camp Armour and demolished, with great gusto, the lunch prepared for them. What remained of the afternoon was spent in making hurried preparations for the first night in camp.

Sunday, a day of rest, was spent in familiarizing themselves with the camp and its surroundings and becoming thoroughly settled in the tents on the hill. Fishermen enthusiastically took out tackle and lures and threatened the inhabitants of Trout Lake with several kinds of death. New camp clothing, fitted for battling brush and woods, was "broken in" and the boys began to feel like "Daniel Boone."

Actual work started bright and early Monday morning with the simple problem of taping distances. From then until July twenty-sixth work was the order of the day. Problems including leveling, angle measurement, triangulation, location of bridge piers, (over an imaginary river), topography, area measure-

SUMMER CAMP 1930



ments, a land survey, and railroad location made up the summer's work.

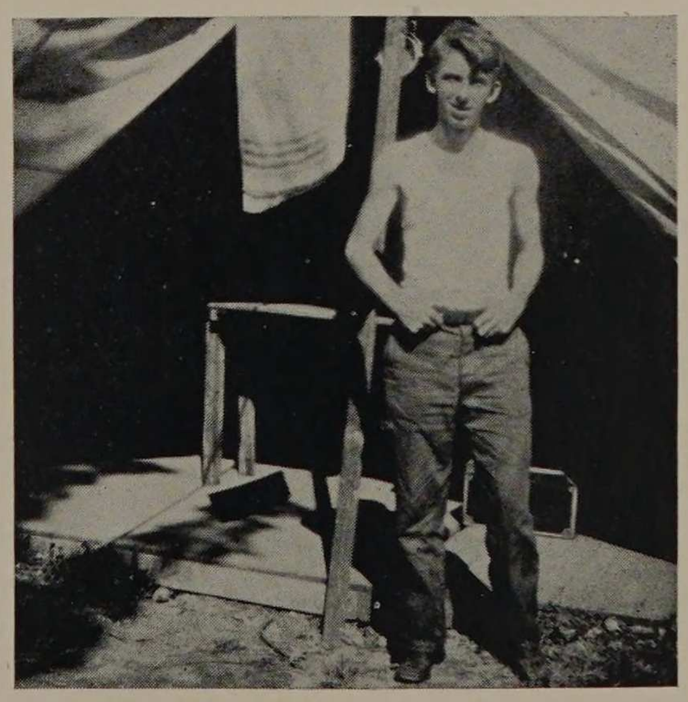
The first Sunday of the camp period was the occasion of the visit of Dean Palmer with six other Armour professors. Contrary to custom and much to their regret, they brought no offering of fish to the camp. In the afternoon the annual horse-shoe match was played and was enjoyed by those who sat in the shade and watched the others toss the shoes. Youth counted, even in barnyard golf, and the profs were vanquished.

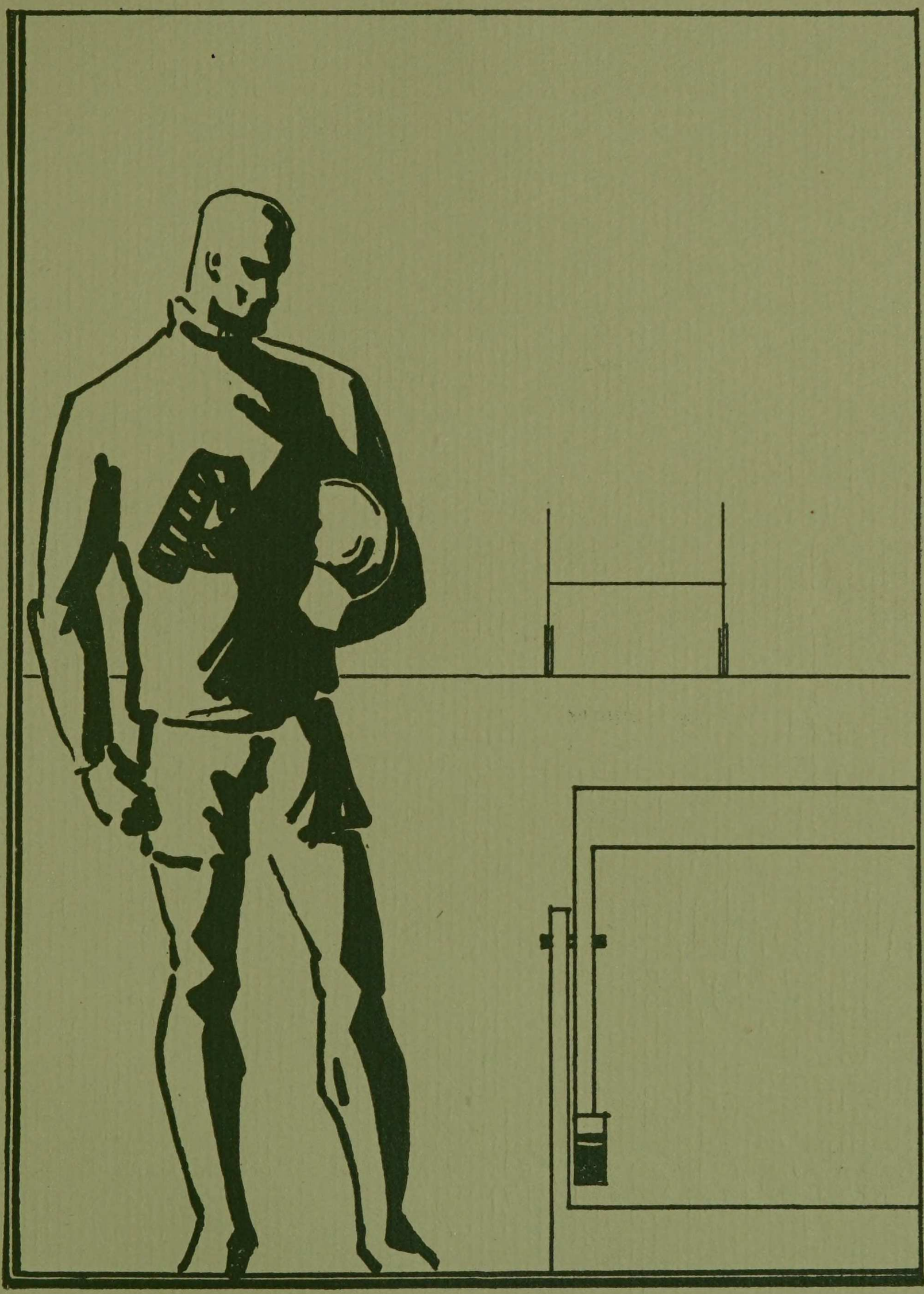
Ordinarily, Sunday marked something of an exodus from camp. Several fellows found occasion to visit the hotel in Sayner while others took in the baseball game at Boulder Junction.

The threats of the fishermen were not accompanied by actual deeds to any large extent, a majority of the fish caught being of the watch charm variety.

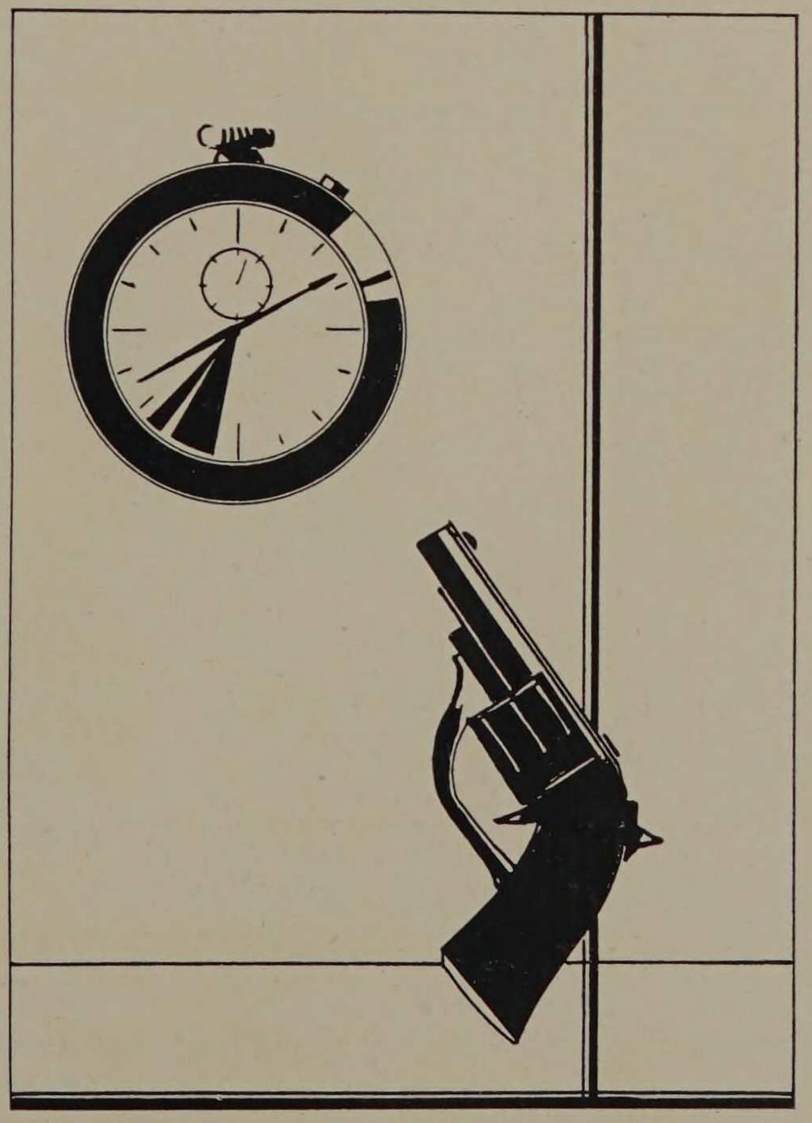
In general the time was spent quietly with very little disturbance, so that the six weeks passed rapidly. Yet everyone was pleased when camp was over and the time came for camp to be broken and for the return to Chicago. On July twenty-sixth, twenty-one tanned and healthy embryo engineers descended on an unsuspecting Chicago.

All who attended camp agreed that the experience was very pleasant and a very valuable one. The experience gained by work under conditions which are sometimes very difficult furnishes a guide for future action in actual practice after graduation.





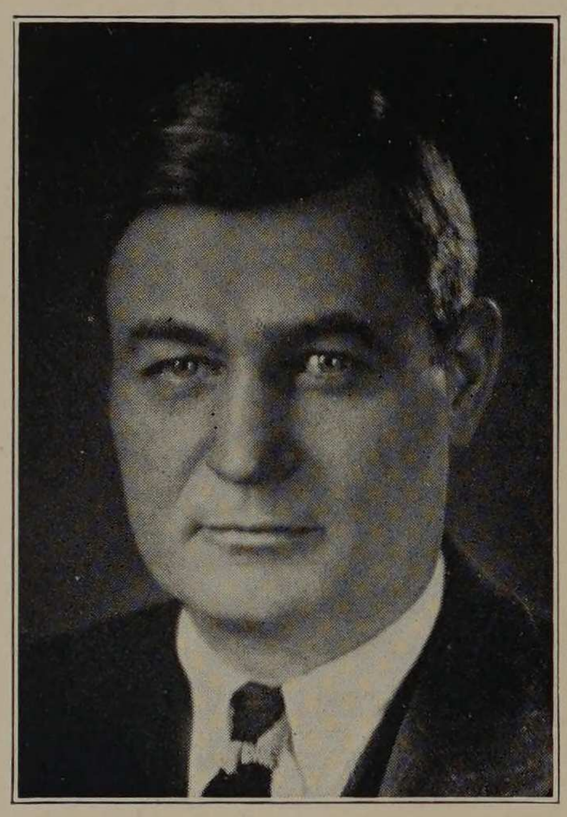
ATHLETICS



ATHLETIC ADMINISTRATION

SCHOMMER'S MESSAGE

A football player crouches behind the straining backs of seven men. A ball is snapped, a terse moment—the rush and clash of physical contact. In a few seconds a pigskin has been advanced so many yards—and is then stopped. Within the same brief interval, comparatively speaking, a man may die in China, a baby be born in Nome, a row of corn husked in Iowa.



John J. Schommer
Director of Athletics

Man has always asked — What is it all? What does it mean—if anything? And so likewise we ask, "What is the purpose of a College Education? Has athletics any value in a College Education?"

National educators agree that today instead of the old "3R" rule as an objective for a college education, the well trained man is he who first has the physical stability and then the mental capacity to lead him through life. This is shown by the leading criterions in the field of education.

The National Education Association on the Reorganization of Secondary Education has listed the following seven objectives of what an education should consist: health, command of fundamental processes, vocation, citizenship, worthy home membership, worthy use of leisure time and ethical character.

The North Central Association of Secondary Schools and Colleges is even more emphatic in listing the objectives of education, as follows: First, the ultimate objective is to maintain health and physical fitness; to use leisure time in the right way; to sustain successfully certain definite social relationships such as civic, domestic, community, etc.; to engage in exploratory vocational activities. Second, the immediate objective is the acquiring of fruitful knowledge; development of attitudes, interests, motives, ideals and appreciations; the development of definite mental techniques in memory, imagination, judgment, and reasoning; acquiring right habits and useful skill.

Thus it is shown that a sound mind in a sound body is the terminal of all endeavor. Everyone should set such a goal; and as it changes from a vision to a reality, unconsciously push it higher and higher to the utmost of one's ability, always remembering the old adage, "Rome was not built in a day."

John J. Schommer

THE ARMOUR TECH ATHLETIC ASSOCIATION

The Armour Tech Athletic Association was founded through the initiative and efforts of a group of students headed by Harold W. Munday in 1922.

The prime duties of the A. T. A. A. are: to foster athletic teams and contests; to sponsor musical concerts and assemblies; to advise in and to direct publication work; and in general, to assist in all matters pertaining to student life at Armour Institute of Technology.

Clarence J. Robin
President A. T. A. A.

Management of the association is vested in a Board of Control consisting of the administrative officers of the Institute, three members of the faculty, and four student members, who are the officers of the A.T.A.A.

To create a unified Armour spirit in all activities by attempting to organize them so that the greatest number of students might receive benefits from them is an object of the A. T. A. A. The organization is continually bringing about desirable changes in the school for the betterment of student social life and activities.

At the present time, basketball, boxing, golf, swimming, tennis, and track are maintained by the A.T.A.A. funds. Baseball is supported under the former Armour athletic fund, but receives some aid from the Association. Publications, too, are listed as a part of the organization. The Armour Engineer, the Cycle and just recently the Armour Tech News, are under the jurisdiction of the A.T.A.A. Musical clubs which include the Glee club, the combined band and orchestra, and Stresses and Strains constitute the musical activities of the group. The Rifle club, because of the competitive nature of its organization, is listed.

Coaches, directors, and medical expenses for athletic teams are maintained by the A.T.A.A.

"A's" are awarded through the coaches recommendation and are approved by the officers of the Association. These letters are given for earnest effort, excellency, ability, and strict adherence to training rules.

To graduating major "A" men the A.T.A.A. awards what are known as "A" blankets. These are black football blankets with 16-inch yellow chenille letters attached.

The Armour Tech Athletic Association supports any move that will improve the student feeling and will create a better spirit at Armour.

Robin, Meagher, Krafft, Palmer, Cameron, Allison, Jens, Lind.
Leigh, Raymond, Huntly, Schommer, Penn.

BOARD OF ATHLETIC CONTROL

Officers

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

Faculty Representatives

Howard M. Raymond — John J. Schommer
*Claude I. Palmer — John C. Penn
Charles W. Leigh

Student Representatives

Senior . . . . . Clarence J. Robin
Junior . . . . . Stanley M. Lind
Junior . . . . . Howard J. Cameron
Sophomore . . . . . Wirth E. Gustafson
Freshman . . . . . Louis H. Streb

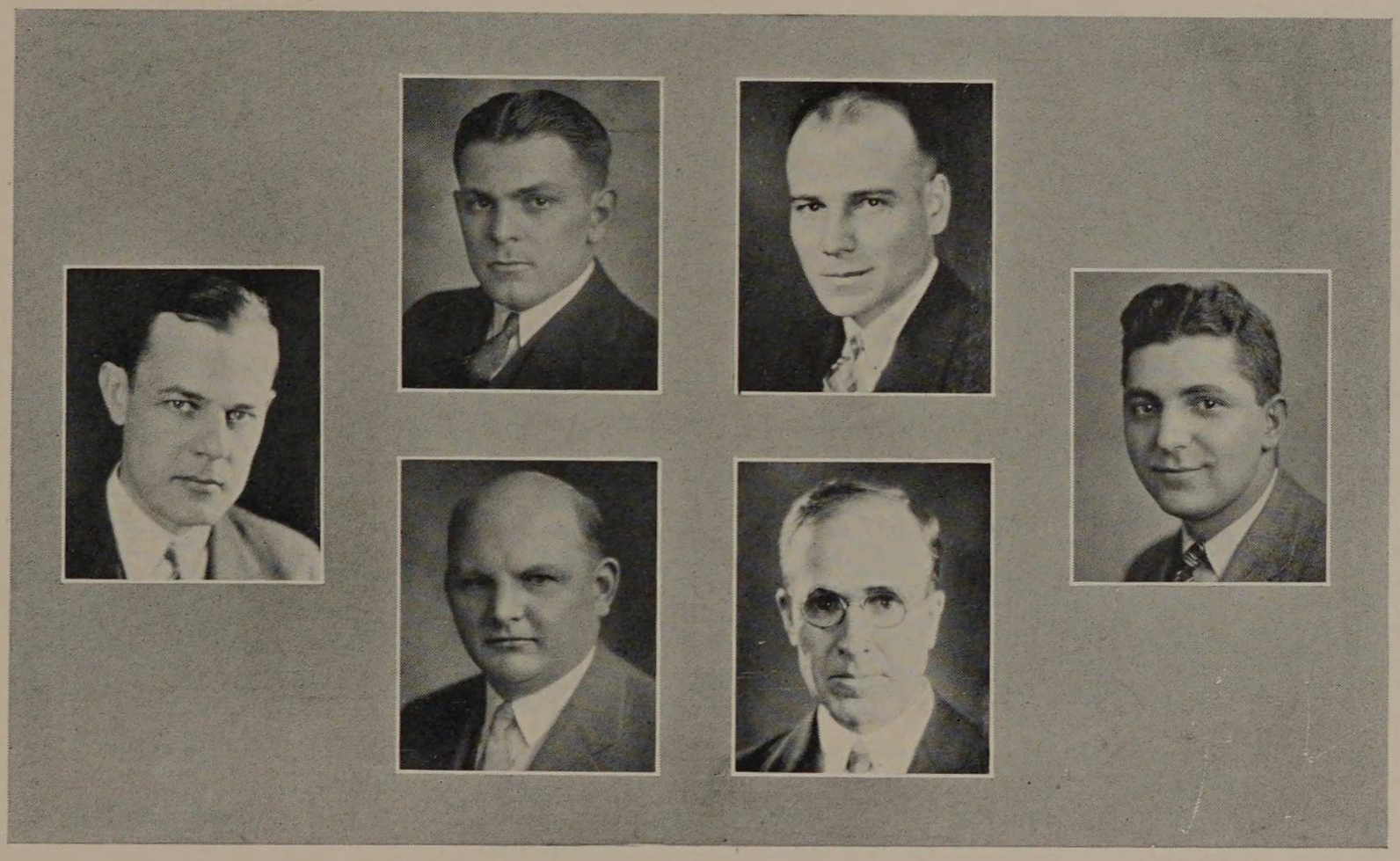
A. T. A. A. OFFICERS

President . . . . . Clarence J. Robin
First Vice-President . . . . . Stanley M. Lind
Second Vice-President . . . . . Howard J. Cameron
Secretary . . . . . Wirth E. Gustafson
Treasurer . . . . . George S. Allison
Director of Athletics . . . . . John J. Schommer
Medical Advisor . . . . . John F. McNamara, M.D.
Instructor in Physical Training . . . . . William C. Krafft

Managers

Publicity Manager . . . . . Arthur H. Jens
Interfraternity Athletics . . . . . Richard E. Meagher

*Deceased.



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

THE ARMOUR COACHING STAFF

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

Armour's coaching staff continued their successes of previous years. Only one change took place during the 1930 season. Professor W. W. Colvert took over the reins as tennis coach from Dr. C. A. Tibbals, who coached the squad for seven years.

All of the major sports, although having longer and harder schedules than usual, came through with flying colors.

Track, under the tutelage of Mr. Stagg, won the Mid-West Indoor Championship by winning five consecutive meets, and the Second Annual Armour Indoor Invitational meet, in which thirteen colleges and 120 athletes competed.

W. C. Krafft coached the baseball team through another successful season. The team won nine, tied one, and lost three games.

Basketball, also coached by W. C. Krafft, had a more successful season than any in the past seven years at Armour.

Weston, Weis, Larkin, DeOrio, Timmermans, Helmick, Iverson, Richter, Sorensen, Alexander, Pepe, Knox, Cavanagh, Thomson, Carlstrom, Johannisson Davison.
Morowitz, Montesano, Eddy, Mago, Ott, Miran, Stehno, Fox, Robin, James, Link, Rossing, Rutkowski, Jens, Hirsch, Ustryski Sandstrom.

MAJOR "A" AWARDS

Baseball
E. D. Anderson
H. G. Hauser
C. T. Link
C. C. Mago
W. M. Miran
S. E. Pepe
G. F. Reichle
C. J. Robin
W. K. Simpson
E. J. Stehno
B. J. Weldon

Basketball
W. M. Miran
S. A. Ott
C. J. Robin
H. C. Rossing
E. R. Rowley
F. E. Rutkowski
W. K. Simpson
F. O. Tell

Swimming
F. C. Strauch
W. R. Trognitz

Track
H. L. Fox
D. J. Iverson
F. M. James
A. H. Jens
J. J. Kara
D. J. Paul
F. G. Podlipec
E. E. Sademan
V. A. Strum
R. A. Timmermans

MANAGER AWARDS

W. L. Hafner, Track
E. W. Short, Baseball
H. W. Faulstitch, Basketball
M. H. Vander Velde, Swimming
L. J. Steck, Boxing
J. B. Sitzler, Golf
W. R. Manske, Tennis

MINOR "A" AWARDS

Track
E. L. Cordes
C. H. Fox
A. H. Helmick
K. S. Hirsch
T. D. Luckett
A. F. Montesano
J. E. Ransel
H. P. Richter
D. T. Smith
J. T. Sorensen

Golf
V. C. Alexander
L. N. Chamison
J. F. Ireland
S. C. Johannison
D. W. Pearson
H. B. Weis

Baseball
J. A. De Orio

Swimming
E. L. Byanskas
R. W. Carlstrom
J. O. Cavanaugh
S. P. Davison
E. H. Knox
A. F. La Force
A. J. Pfeiler
J. W. Thomson
A. H. Weston
J. J. Zolad

Tennis
R. R. Eddy
R. B. Johnston
W. E. Schirmer
W. A. Scott
R. M. Spencer
W. P. Winkler

Boxing
N. D. Buehling
J. P. Donnelly
M. C. Larkin
C. R. Mitchell
A. F. Montesano
M. W. Morowitz
W. L. Sandstrom
S. P. Schwartz
F. A. Ustryski
M. G. Whitfield

Montesano, Weis, Eddy, Timmermans, Iverson, Pepe, Weston, Knox, Cavanagh, Ustryski, Hirsch.
Mago, Ott, Miran, Stehno, Fox, Robin, James, Link, Rossing, Rutkowski, Jens.

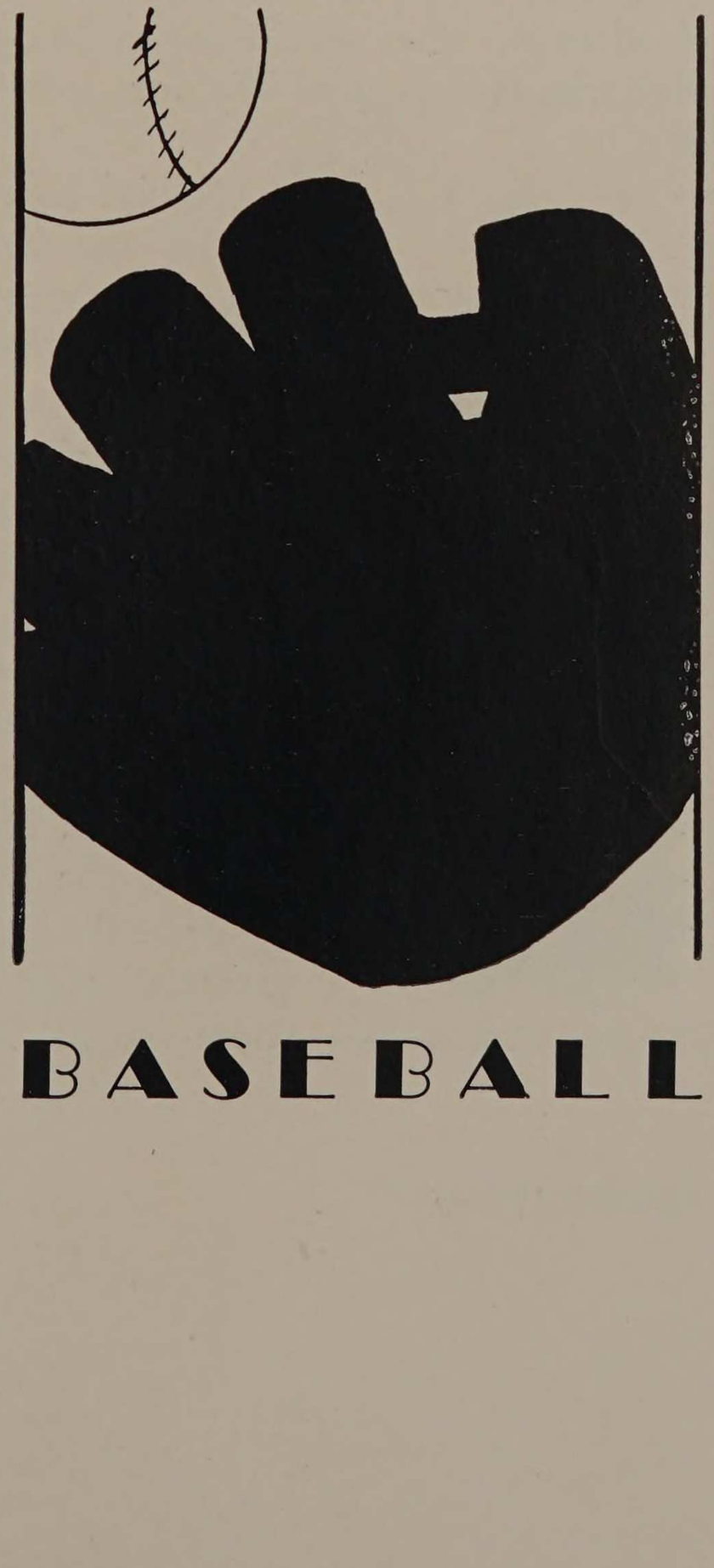
HONOR "A"

ROLL

John O. Cavanagh
Emmet L. Cordes
Richard R. Eddy
Harold L. Fox
William L. Hafner
Henry G. Hauser
Kenneth S. Hirsch
Daniel J. Iverson
Frank M. James
Arthur H. Jens
Edwin H. Knox
Maxwell C. Larkin
Charles T. Link
Charles C. Mago
Walter M. Miran
Anthony A. Montesano
Salvadore S. Pepe
Clarence J. Robin
Harvey C. Rossing
Frank E. Rutkowski
Walter E. Schirmer
Edward J. Stehno
Ralph A. Timmermans
Frank A. Ustryski
Henry B. Weis
Andrew H. Weston

The Honor "A" Society, founded in the spring of 1914, as a governing body of athletics, is one of the oldest existing organizations at Armour Institute. When, in 1923, the Armour Tech Athletic Association was organized for the purpose of regulating athletics, the Honor "A" Society became an organization to promote interest in athletics, and to bring the athletes, coaches, students and alumni more closely together. The badge of the society is a gold "A" charm.

The fifth annual fall athletic reunion was held on December 9, 1930 at the New Southern Hotel immediately after the exciting alumni-varsity basketball game. Coach Krafft spoke about the present status of athletics at Armour. At the close, every one agreed that the banquet was a complete success.

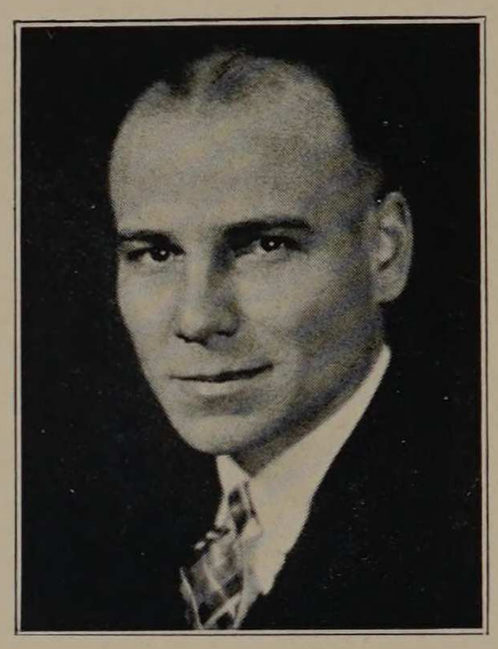


BASEBALL

BASEBALL 1930

Armour's baseball team for 1930 continued its championship stride of previous years by winning nine, tying one, and losing four games.

Fifty candidates responded to Coach Krafft's first call for outdoor practice on March 20. Previous to this time, the pitchers and catchers had practised indoors for nearly a month, and were already tuned up for batting practice.



Coach W. C. Krafft

The veterans from the 1929 season were Captain Simpson and Stehno, pitchers; Link, catcher; Hauser and Anderson, the outfielders; Mago, Reichle, Robin, and Weldon, infielders.

Captain W. K. Simpson

Official opening of the baseball season was on Thursday, April 10, when Armour decisively whipped Morton Junior College, 6-1, at Ogden Field. Simpson and Stehno, Tech hurlers, showed great form. New faces in the line-up were De Orio, catcher; Miran, short stop; Michalski and Pepe, outfield.

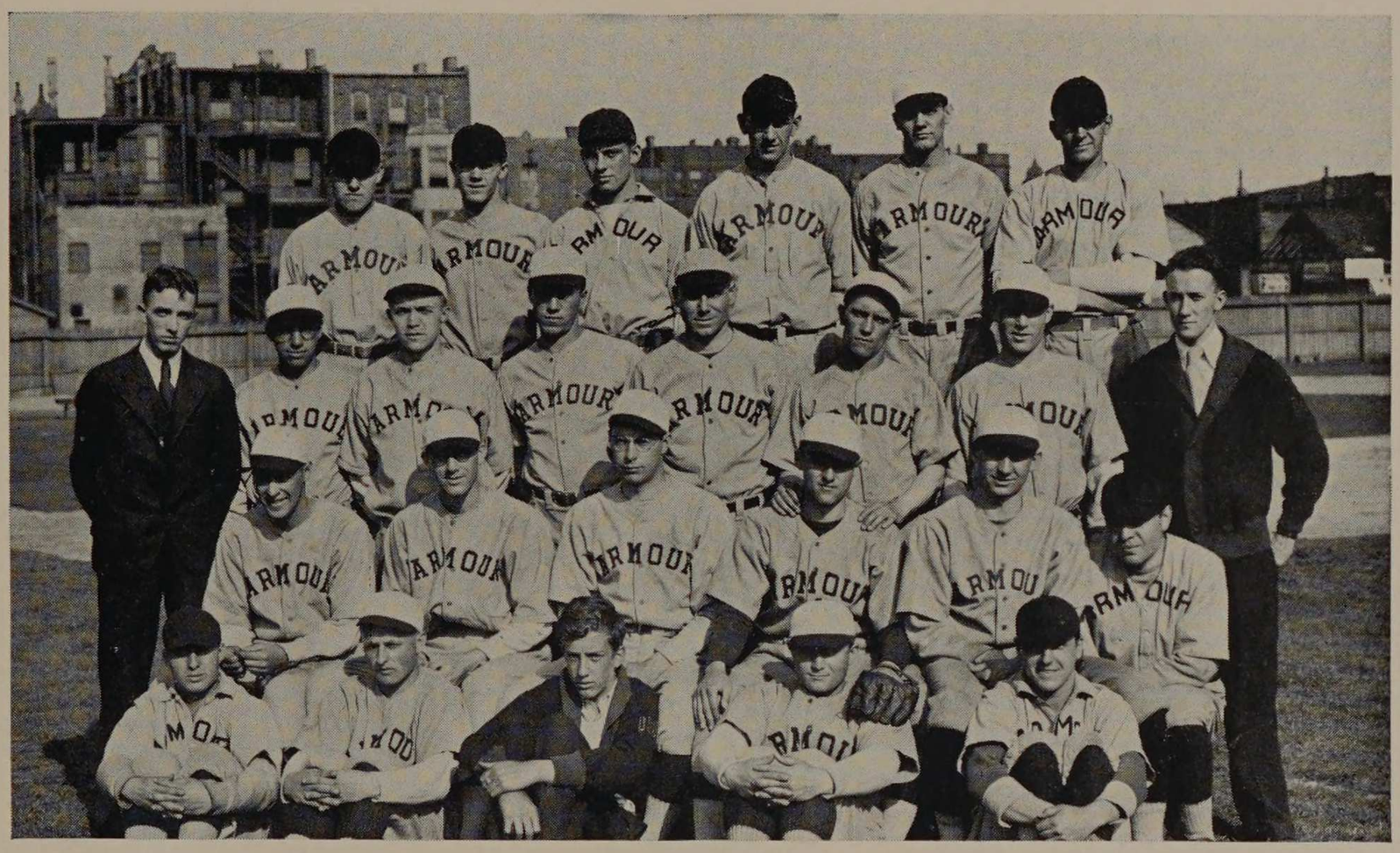
Tech lost its first game to Notre Dame, 11 to 4, at South Bend on April 14. The train ride from Chicago, just before the game, caused the team to be erratic in the field, which accounted for the many errors chalked against Armour.

Armour trimmed DeKalb Teachers' College, 4 to 3, at Ogden Field, April 24. Tech nearly succumbed to Thompson, DeKalb's peerless mound ace, who yielded only four hits while striking out eleven men. Stehno, Armour's ace, allowed the Teachers nine scattered hits, but held them helpless in the pinches. He struck out ten men, while King Simpson, who relieved him in the eighth inning, struck out three men.

April 26th saw Tech register its third victory by defeating Lake Forest 6 to 3. Captain Simpson was in the pitcher's box for Armour.

Manager E. W. Short

Armour de-



Cosme, Rowley, Drigot, O'Connor, Buehne, Patla.
Short, Pepe, Link, Miran, Krafft (coach), Hauser, Anderson, Woods.
Reichle, Robin, Simpson, Weldon, Stehno, Galvani.
Cannell, Sommers, Mascot, De Orio, Young

BASEBALL 1930

William C. Krafft . . . . . Coach
W. King Simpson . . . . . Captain
Eugene W. Short . . . . . Manager

BASEBALL SCHEDULE

April 10—Armour 6, Morton 1, at Armour
April 14—Armour 4, Notre Dame 11, at Notre Dame
April 24—Armour 4, DeKalb 3, at Armour
April 26—Armour 6, Lake Forest 3, at Lake Forest
May 2—Armour 5, Western State Normal 4, at Kalamazoo
May 3—Armour 8, Michigan State Normal 5, at Ypsilanti
May 7—Armour 3, Western State Normal 10, at Armour
May 9—Armour 10, Michigan State Normal 6, at Armour
May 12—Armour 5, Alumni 7, at Armour
May 14—Armour 1, Lake Forest 1, at Armour (13 innings)
May 17—Armour 15, "Y" College 3, at U. of C.
May 24—Armour 5, DeKalb 3, at DeKalb
May 30—Armour 1, Iowa 21, at Iowa City
May 31—Armour 2, Coe 0, at Cedar Rapids

feated Western State Normal, 5 to 4, at Kalamazoo, Michigan, for the fourth victory, on May 2nd. Previous to this, the Normal nine had defeated the University of Wisconsin team, Big Ten Champions in 1930. Simpson's pitching was superb and Weldon did wonders in the field. Miran's home run in the ninth which scored Mago saved the day for Tech.

C. J. Robin

Michigan State Normal of Ypsilanti, Michigan, lost to the almost invincible Armour squad the very next day, 8 to 5. Stehno held a comfortable lead over the Michigan State nine throughout the entire game.

In the return game with Western State at Armour, the Michigan boys avenged their defeat of the week before when they collected the Armour scalp, 10-3. Krafft's men outclassed the Normal nine in fielding and hitting in the first four innings and were well in front with a 3-0 lead, cutting their opponents short with a display of brilliant fielding, when Simpson's pitching arm suddenly went wild in the fifth inning and allowed five runs to cross the home plate.

Ogden Field, on Friday, May 9, was the scene of the second Armour - Michigan game. Stehno went the entire route State Normal game. Armour duplicated its former victory with a 10-6 score. Snappy fielding and hitting by the Tech men was a feature of the

E. J. Stehno

ARMOUR—6	AB.	R.	H.	PO.	A.	E.
Hauser, c.f.	4	1	0	1	0	0
Anderson, r.f.	3	1	1	0	0	0
Reichle, 2b	3	0	0	1	2	1
Robin, 1b	3	1	1	6	1	0
Miran, ss.	2	0	0	1	1	0
Michalski, lf.	2	0	0	0	0	0
Stehno, p.	1	0	0	1	0	0
Mago, 3b	2	0	1	0	1	0
DeOrio, c.	1	0	1	11	0	0
Weldon, ss.	1	1	1	0	1	0
Pepe, l.f.	1	1	1	0	0	0
Simpson, p.	1	1	0	0	1	0
TOTALS	24	6	6	21	7	1

MORTON—1	AB.	R.	H.	PO.	A.	E.
Mitchell	3	0	0	2	2	1
Saum	3	1	1	0	0	0
Motto	2	0	0	4	2	0
Jirka	3	0	0	7	2	0
Kobza	3	0	2	0	2	0
Capouch	1	0	0	1	0	0
Saltzman	2	0	0	0	0	0
Dean	3	0	0	4	0	3
Skerdlant	3	0	0	0	0	1
Petrovsky	2	0	0	0	0	0
TOTALS	25	1	3	18	8	5

B. J. Weldon

for Armour, and was credited with a home run and a double while at the bat. Pepe, Robin, and Anderson collected doubles over the right field fence.

Armour clinched the game in the fourth inning by driving in five runs. It was marked by some well placed hits which eluded the Ypsilanti contingent with consistent regularity. Mago led off with a base hit, and was followed by Link, Anderson, and Pepe who also hit safely. Hauser walked. Robin hit a single but was out stealing second. Reichle sacrificed to left field and Weldon was out at first to end the inning.

G. F. Reichle

On May 12, the alumni defeated the varsity team, 7-5, in a slow, ragged, and loosely played six inning game. John Yount, '29, former catcher of '28 and '29, was largely responsible for the victory. He held the Tech team to five hits and struck out seven men.

Otto Kuehn, playing first base for the Alumni, featured with three two-base hits.

Armour next met Lake Forest at Ogden Field in a thirteen inning pitchers' duel, that ended in a 1-1 tie, the game being called because of rain and darkness.

Simpson, Tech's invincible ace, held the visitors to three hits and

C. C. Mago

ARMOUR—1	AB.	R.	H.	PO.	A.	E.
Reichle, 2b.	5	0	0	2	1	2
Pepe, lf.	3	0	0	1	0	0
Miran, lf.	3	0	0	0	0	0
Hauser, cf.	5	0	1	1	0	0
Robin, 1b.	6	0	2	11	0	1
Stehno, rf.	5	0	0	1	1	0
Simpson, p.	5	0	1	0	3	1
Weldon, ss.	5	0	0	2	0	0
Mago, 3b.	4	1	2	1	2	1
Link, c.	3	0	0	20	1	0
Totals	44	1	6	39	8	5

LAKE FOREST—1	AB.	R.	H.	PO.	A.	E.
Ferzacca, ss.	5	0	2	3	7	0
Rostkowski, 1b.	5	0	0	17	0	0
Orr, cf.	4	0	0	0	0	0
Nelson, cf.	2	0	0	1	0	0
J. Burk, 3b.	6	0	0	0	2	0
Bratzke, lf.	3	0	0	3	0	0
M. Burk, 2b.	5	0	0	2	1	2
Stalko, rf.	5	0	0	2	0	0
Lincke, c.	5	0	0	11	0	0
Orth, p.	5	1	1	0	3	1
Totals	45	1	3	39	13	3

Three-base hits: Mago. Two-base hits: Orth, Ferzacca, Robin. Sacrifice hits: Stehno, Rostkowski 2, Mago, Link. Struckout: Simpson 19, Orth 10. Bases on balls, off Simpson 3, Orth 3. Stolen bases: Mago 2. Umpire, Glick.

W. M. Miran

piled up the amazing total of nineteen strike-outs. Tech scored its solitary run in the fifth inning, with Lake Forest immediately knotting the score in the sixth. No further hits were allowed by Simpson in the remaining seven innings.

Armour had three men on base in the tenth inning but failed in its scoring attempt when Robin struck out to retire the side.

C. T. Link

The inning was opened with a single by Mago. He then stole second and third base, while Link flied out to right field. Reichle walked. Miran came to bat next, hitting to the third baseman who in turn threw the ball to the catcher when Mago attempted to score. Hauser followed Miran with a base on balls, filling the bases, but Robin struck out to end the inning.

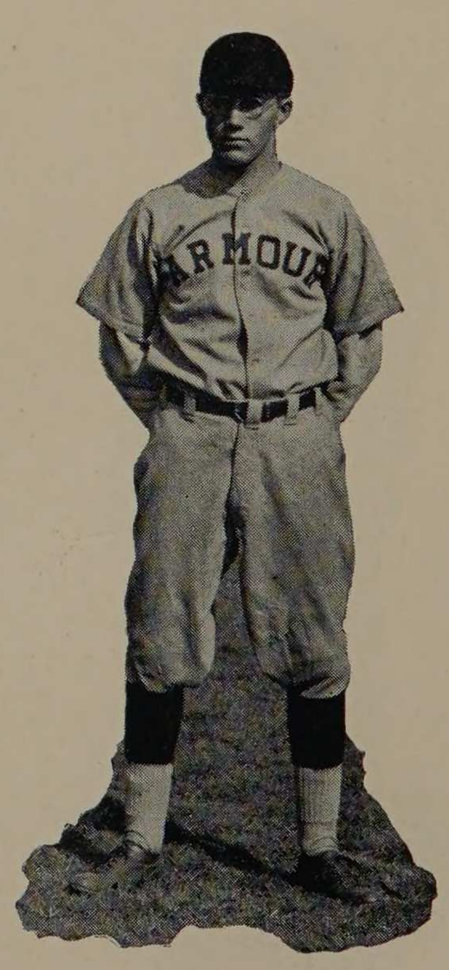
Tech men defeated Y.M.C.A. College, May 17, in a slugging contest; the score was 15-3. Armour gathered twenty hits while "Y" was content with eight. Stehno pitched effectively for seven innings when he was relieved by Cannell. "Y" College has not defeated Armour in six years of baseball competition.

Victory number eight of the 1930 season was chalked up when DeKalb Teachers' College nine, at DeKalb, was defeated 5-3. Simpson pitched a

H. G. Hauser

ARMOUR—5	AB.	R.	H.	PO.	A.
Anderson, rf.	3	0	0	0	0
Pepe, lf.	3	2	0	1	0
Hauser, cf.	4	1	0	0	0
Robin, 1b.	3	1	2	10	0
Reichle, 2b.	4	0	0	1	2
Weldon, ss.	5	1	2	1	1
Simpson, p.	3	0	1	2	3
Mago, 3b.	2	0	0	1	4
Link, c.	4	0	1	10	1
Miran, rf.	2	0	1	1	1
Totals	33	5	7	27	12

DE KALB—3	AB.	R.	H.	PO.	A.
Hewitt, 3b.	4	1	1	2	2
Strombom, lf.	4	1	1	13	1
Henigan, cf.	3	1	2	3	0
Martin, ss.	4	0	1	0	2
Mustapha, 2b.	4	0	0	2	3
Eide, lf.	3	0	0	1	0
Donnelly, c.	1	0	0	1	1
Pace, lf.	4	0	1	2	0
Siebel, p.	1	0	0	1	1
Swanson, ph.	1	0	1	0	0
Dudley, c.	2	0	0	2	0
Thompson, p.	2	0	1	0	3
Totals	33	3	8	27	13



E. R. Rowley

fine game, keeping the DeKalb hits scattered, while striking out ten of the enemy batters.

Tech lost its third game of the season on May 30 to the University of Iowa nine at Iowa City, 21-1. Simpson started the contest but was relieved in the fifth by "Chief" Stehno. Simpson developed a foot infection while breaking in a pair of new shoes. This robbed him of his usual effectiveness in the Iowa game.

J. A. De Orio

The season ended in a blaze of glory when Armour defeated the highly touted Coe College aggregation at Cedar Rapids, 2-0. Stehno pitched airtight baseball, allowing but two hits and a single walk. He struck out nine men.

Tech scored runs in the second and in the seventh innings. It was Mago's hitting in both cases that was responsible for the scoring. In the second Mago hoisted a high fly to center field while Miran was resting on third base. After the catch, Miran romped home with the first score of the contest. Mago's homer in the seventh was the longest drive in the park for the year.

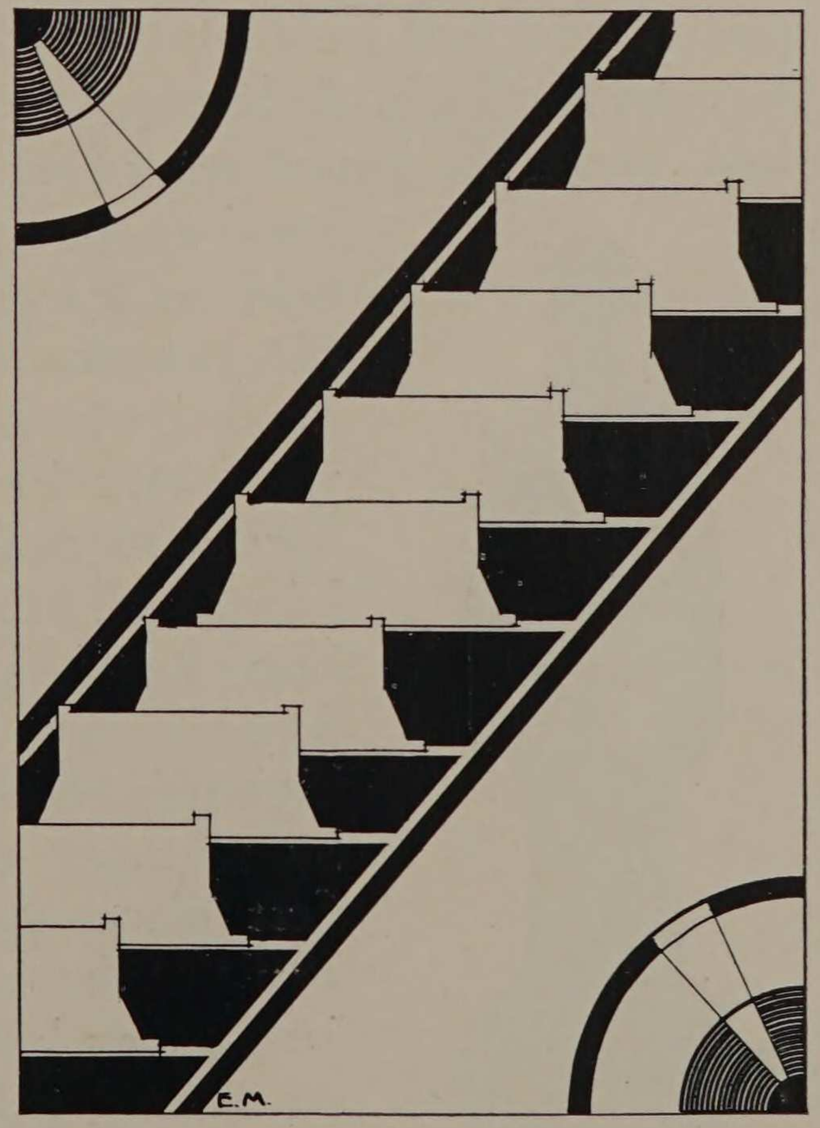
Although three men, Captain King Simpson, Reichle, and Weldon will have been graduated, a very successful season is promised for 1931.

S. E. Pepe

ARMOUR—2	AB.	R.	H.	PO.	A.	E.
Reichle, 2b.	4	0	1	1	1	1
Pepe, lf.	4	0	1	1	0	0
Hauser, cf.	3	0	0	3	0	0
Robin, 1b.	3	0	0	11	0	0
Miran, rf.	4	1	0	0	0	0
Mago, 3b.	4	1	1	1	1	0
Weldon, ss.	4	0	1	0	3	0
Stehno, p.	4	0	0	0	4	1
Link, c.	3	0	0	10	0	0
Totals	33	2	4	27	9	2

COE COLLEGE—0	AB.	R.	H.	PO.	A.	E.
Byrnes, rf.	4	0	0	1	0	0
Wernimont, ss.	4	0	0	2	5	0
Blackman, 3b	4	0	1	1	1	0
Johnstone, c.	3	0	1	4	2	0
Burroughs, cf.	3	0	0	1	0	0
Kee, lf.	3	0	0	4	0	1
Harper, 1b.	2	0	0	10	0	0
Dillon, 2b.	1	0	0	4	1	3
Bode, p.	3	0	0	0	2	0
Carpenter, 2b.	0	0	0	0	0	0
Senft, p.h.	0	0	0	0	0	0
Totals	27	0	2	27	11	4

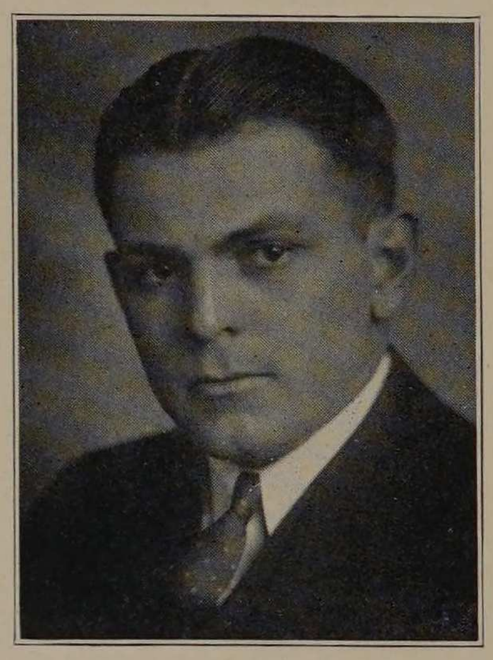
E. D. Anderson



TRACK

TRACK 1930

Indoor track in 1930 experienced the most successful season of any track team in the history of Armour athletics. Not only did the team finish the season undefeated, but it also scored twice the number of points as its nearest opponent in the Armour Invitational Meet.



Coach A. A. Stagg, Jr.

In the initial dual track meet of the indoor season on February 26, Armour swamped Morton Junior College, 56 to 16. The team won seven first places to Morton's one. A clean sweep of places in the quarter and half mile runs clinched the meet for Tech. Sademan, a freshman, broke the school record in the two mile run held by Payne. He ran the distance in 10:29.8 without being forced to extend himself. Captain Paul and Sturm tied for high point honors by winning two first places each, Paul in the high jump, and shot put, and with Sturm winner in the 50 yard dash, and the 440 yard run.

Captain D. J. Paul

Armour decisively defeated Loyola University, 50½ to 35½, in the second indoor dual track meet at Bartlett Gymnasium on March 1st.

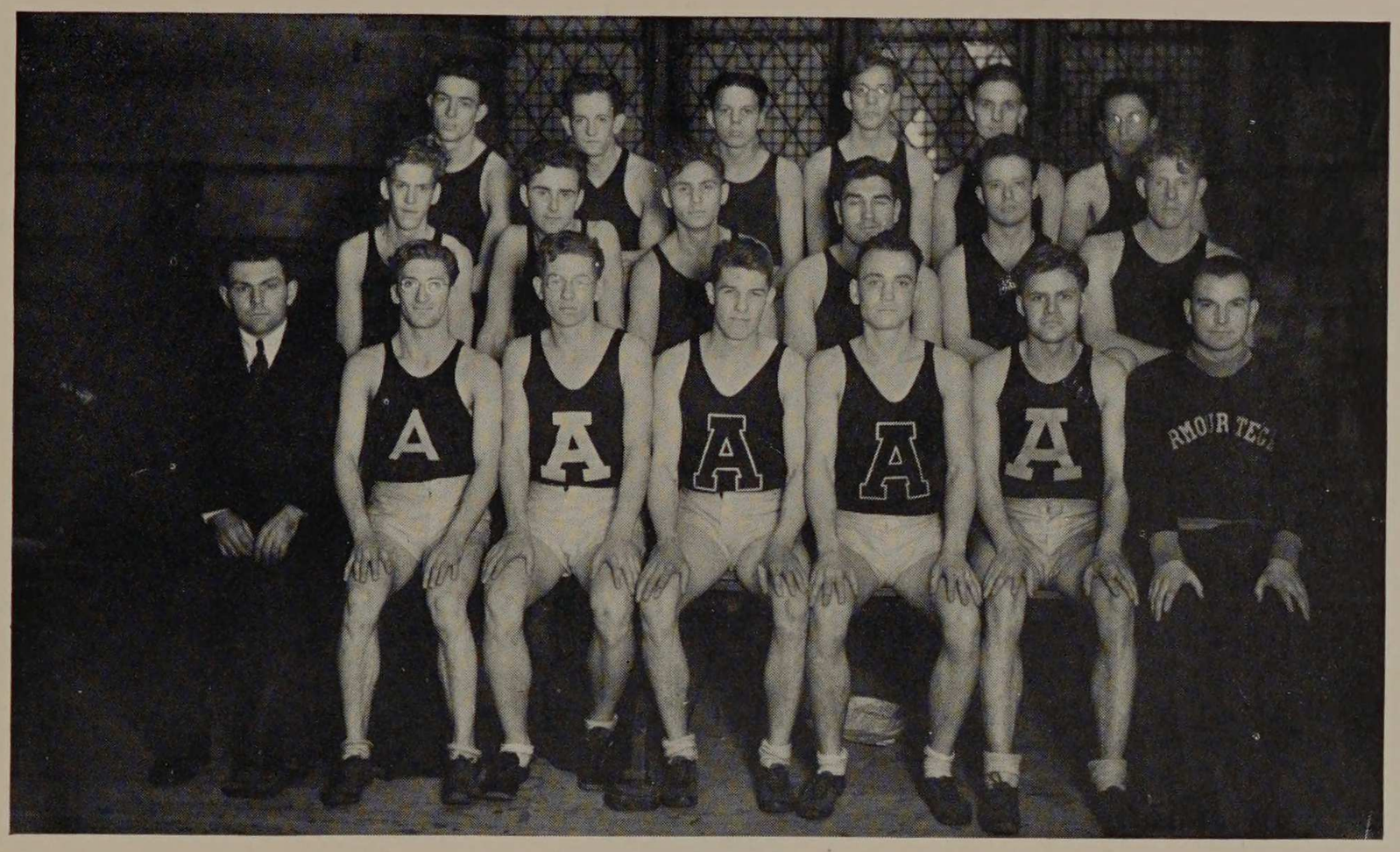
Sademan, the freshman flash of Tech, again proved the star of the team by winning both the mile and two mile races. His time in the latter event was 10:15.8, fourteen seconds faster than his record breaking run of the previous meet.

Captain Paul and Sturm each turned in a first and second place in their respective events.

Winning six of nine first places, Armour's track stars defeated Elmhurst, 49 to 31, on March 8 for Tech's third consecutive indoor victory. Tech men copped all three places in the 50 yard dash, 440 yard run, and half-mile run.

Captain Don Paul again took high point honors by winning both the shot put and the high jump. In

Manager W. L. Hafner



Leavitt, Helmick, Gura, Setterberg, Draus, Barnett.
Nelson, Oberbeck, Holland, Krause, Colcord, C. Jens.
Stagg (coach), Hirsch, A. Jens, Fox, James, Iverson, Munch.

TRACK 1930

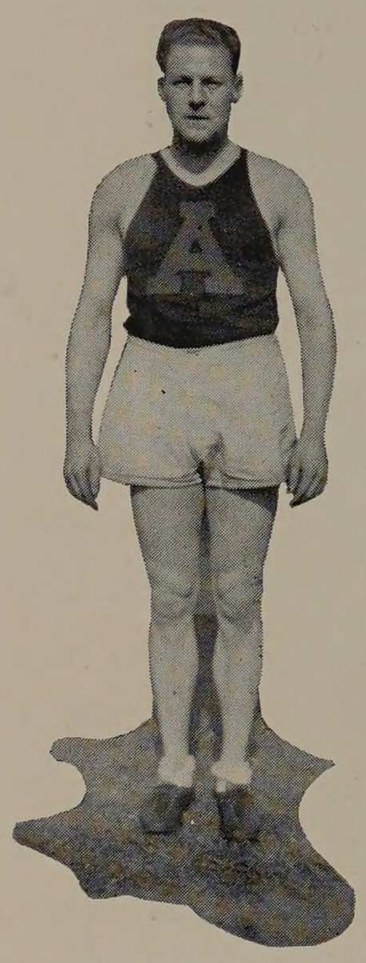
Alonzo A. Stagg, Jr. . . . . Coach
Donald J. Paul . . . . . Captain
William L. Hafner . . . . . Manager

INDOOR TRACK SCHEDULE

February 26—Armour 56, Morton 16, at Bartlett Gym
March 1—Armour 50½, Loyola 35½, at Bartlett Gym
March 8—Armour 49, Elmhurst 31, at Bartlett Gym
March 15—13th Annual Illinois Relay Carnival at Urbana
March 18—Armour 52, Crane Junior College 29, at Bartlett Gym
March 22—Armour 53½, Sears-Roebuck Y. M. C. A. 26½, Chicago Normal College 24, at Bartlett Gym
March 28—Thirty-Second Annual Central A. A. U. indoor championship held at Oak Park High School
March 29—Second Annual Armour Indoor Invitational Indoor Track Meet at Bartlett Gym. Won by Armour

OUTDOOR TRACK SCHEDULE

April 26—Drake Relays at Des Moines, Iowa
April 29—Armour 61, Wheaton 65, at Stagg Field
May 3—First Annual Armour Outdoor Invitational Track Meet at Stagg Field
May 7—Armour 55, Y. M. C. A. College 62, at Stagg Field



V. A. Sturm

the latter event, he jumped five feet seven inches.

A. H. Jens provided a real surprise in the 50 yard dash by coming in ahead of Vern Sturm for first place. Sturm won the 440 yard run with Fox and Hirsch finishing in that order behind him.

Another freshman, Sorensen, surprised everyone by defeating Timmermans and Iverson in the half mile run. Sademan again won the two mile run after lapping the field.

On March 15, Coach Lonnie Stagg took fifteen men to Urbana, Illinois, to participate in the 13th annual Illinois Relay Carnival.

Captain Don Paul showed his superiority as a shot putter by winning a gold medal as second place from a field of university and college stars.

The list included: Weaver, Chicago; Bausch, Kansas; Brooks and Poorman, Michigan; Clausen, Minnesota; Yunevich, Purdue; and Behr and Guabah, Wisconsin.

Paul had made the best performance in the preliminary trials with a throw of 46 feet 6¾ inches, and it was not until the last man, Bausch, had made his throw of 48 feet 4 inches that it was bettered. Behr of Wisconsin was third, and Weaver of Chicago, fourth.

Tech relay teams failed to win any places in their events. Jens won a fourth place in his heat in the 75 yard dash.

Armour completely outclassed Crane Junior College trackmen, 52-29, on March 18 at Bartlett Gymnasium by copping six of nine first places.

J. J. Kara

Kara won a first and second place in the 50 yard high hurdles and the shot put respectively in this meet.

Sturm being pushed by Fox and Hirsch broke the school record in the quarter mile. His time was 53.7 seconds.

Tech tracksters won their fifth consecutive meet of the indoor season by defeating Sears-Roebuck Y. M. C. A. and Chicago Normal College in a triangular meet at Bartlett Gymnasium on March 22nd. The scores were as follows: Armour 53½; Sears-Roebuck Y. M. C. A. 26½; Chicago

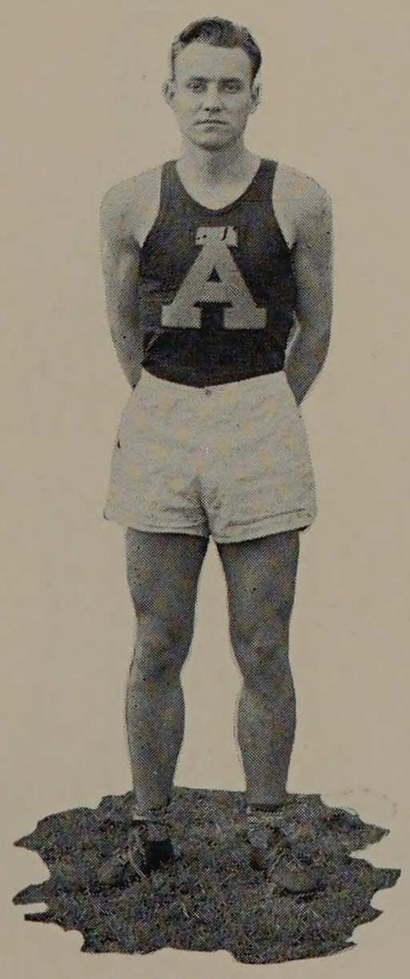
H. L. Fox

Normal College 24.

Armour won six first and six second places out of a possible ten. Sademan was high point man by winning first places in both the mile and two mile runs. A clean sweep was scored by Tech in the quarter mile run when Sturm, Fox, Hirsch and Helmick finished in that order.

Kara won first place in the fifty yard low hurdles beside placing third in the shot put, which was won by Captain Don Paul with a throw of 46 feet. Iverson won the half mile run and Timmermans came in third.

Tech tracksters rose to greater heights than ever before when they defeated 140 athletes representing 15 colleges competing in the second annual Armour Tech Invitational Indoor Track meet held at Bartlett Gymnasium on March 29. The table of points follows: Armour 61½; Chicago B 31; Loyola 30; Chicago Normal 26½; Crane 24½; Lake Forest 24; Mooseheart 22; Wheaton 16; Marquette 10; Butler 10; Beloit 9½.



F. M. James

Captain Don Paul was the outstanding star of the meet when he heaved the 16 pound shot 46 feet 9 inches. This throw tied the Bartlett Gymnasium record held by Weaver of Chicago. On the night before the Invitational meet Paul took first place in the shot put at the Central A. A. U. indoor championships with a throw of 45 feet 11¼ inches.

A. H. Jens

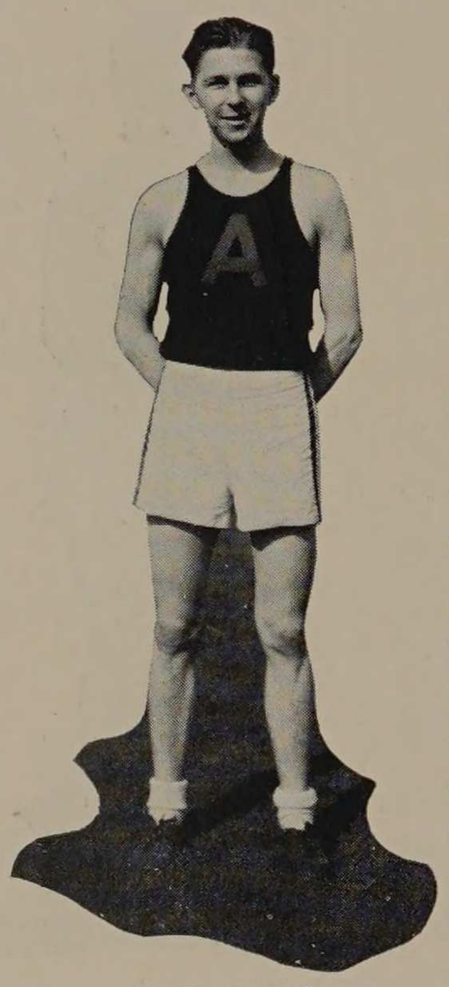
D. J. Iverson

Sturm tied Freudenthal of Chicago in the quarter mile dash which was run in two heats; both men ran the distance in 54.4 seconds.

Tech won the meet by copping two first places and a majority of the third and fourth places.

Sademan won a second place in the mile run, being nosed out on the final lap by the Wheaton flash, Hess.

A summary of results of the invitational meet indicated the following for Tech: James, second, two mile run; Sademan, third, two mile run; Kara, third, high hurdles; Iverson, third, half mile run; Jens, fourth, 50 yard dash; Fox, fourth, quarter mile run.



E. L. Cordes

A complete summary of the invitational meet is included here:

One mile run — Won by Hess, Wheaton; Sademan, Armour, second; O'Neil, Loyola, third; Garrity, Mooseheart, fourth; Lawrie, Chicago, fifth. Time, 4:32-.4.

440 yard run final — Won by Freudenthal, Chicago, Sturm, Armour, tied for first; Zuley, Loyola, third; Fox, Armour, fourth; Glover, Beloit, fifth. Time, :54.4.

50 yard dash final — Won by Ramsey, Chicago; Fitzgerald, Lake Forest, second; Lewis, Crane, third; Jens, Armour, fourth; Strobel, Loyola, fifth. Time, 5.7.

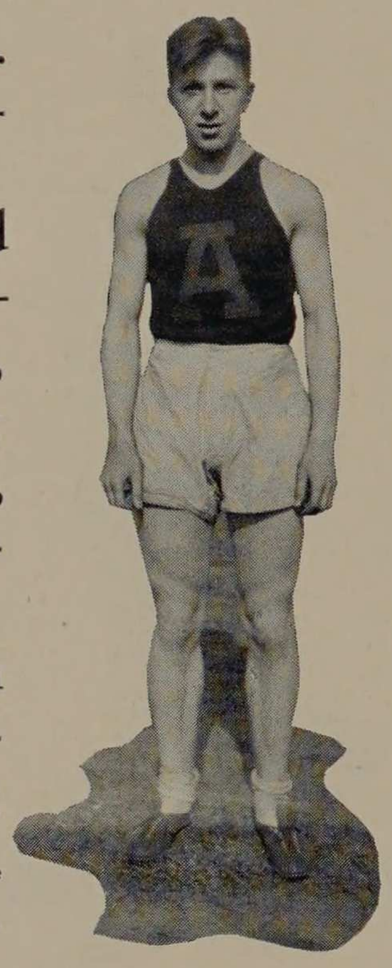
Pole vault — Won by Bangert, Chicago Normal; Parker, Lake Forest, second; Gallop, Crane, third; Silk, Mooseheart, fourth; Holden, Crane, fifth. Height, 11 feet 4 inches.

Two mile run—Won by Harlacker, Chicago; James, Armour, second; Sademan, Armour, third; Heake, Wheaton, fourth; Ferris, Wheaton, fifth. Time, 10:11.

High jump — Won by Brefford, Chicago Normal; Stearman, Butler and Silk, Mooseheart and Walsh, Loyola, tied for second. Height, 5 feet 11 inches.

High hurdles—Won by Thompson, Marquette; Sowers, Mooseheart, second; Kara, Armour, third; Collier, Chicago Normal, fourth. Time, 6.7.

Shot put—Won by Paul, Armour; Parker, Lake Forest, second; Amenoff, Beloit, third; Stipe, Beloit, fourth; Peteeshee, Crane, fifth. Distance, 46 feet 9 inches (equals Bartlett gym record held by Weaver of Chicago).

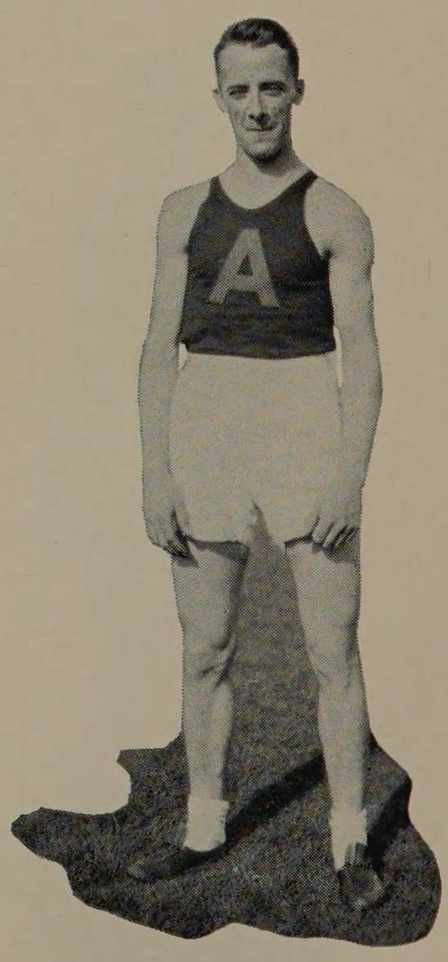


E. E. Sademan

880 yard run — Won by O'Neil, Loyola; Romin, Crane, second; Iverson, Armour, third; Glover, Beloit, Zuley, Loyola, tied for fourth. Time, 2:06.

The 1930 outdoor track season was considered a success although Armour was beaten in two dual meets by very close margins. It may be considered so because of the high caliber of the competition that the Tech men faced and the individual performances of the men.

In the first dual meet of the year



J. E. Ransel

meet of the year Armour was defeated by Wheaton College by the score of 65-61. The meet was held at Stagg field on April 29.

The Wheaton team scored a slam in the broad jump, which was the final event, and thus destroyed Armour's four point lead which had been held throughout the day.

Sturm ran exceptionally well and took first place in three events, the 100 yard dash, 220 yard dash, and the 440 yard run. Paul took first place in the shot put and high jump. Luckett and Cordes were first in the pole vault and the javelin respectively.

Captain Don Paul placed third in the shot put event at the Drake Relays held at Des Moines, Iowa, on April 26. Jim Bausch of Kansas took first in the finals with a heave of 49 feet 1½ inches while Paul's throw for third was 48 feet 7¾ inches.

K. S. Hirsch

On May 3, the University of Chicago, by winning a majority of first and second places, won the First Annual Armour Tech Outdoor Invitational Track Meet at Stagg Field. Over 300 athletes, representing 13 neighboring colleges competed in the meet. The final standing was as follows: Chicago 132; North Central 60; Loyola 52; Lake Forest 48; Knox 44; Milwaukee Teachers 44; Armour Tech 28; Y. M.C.A. College 14; La Grange 14; Concordia 10; Morton Junior 10; Sears Roebuck 8; Marquette 8.

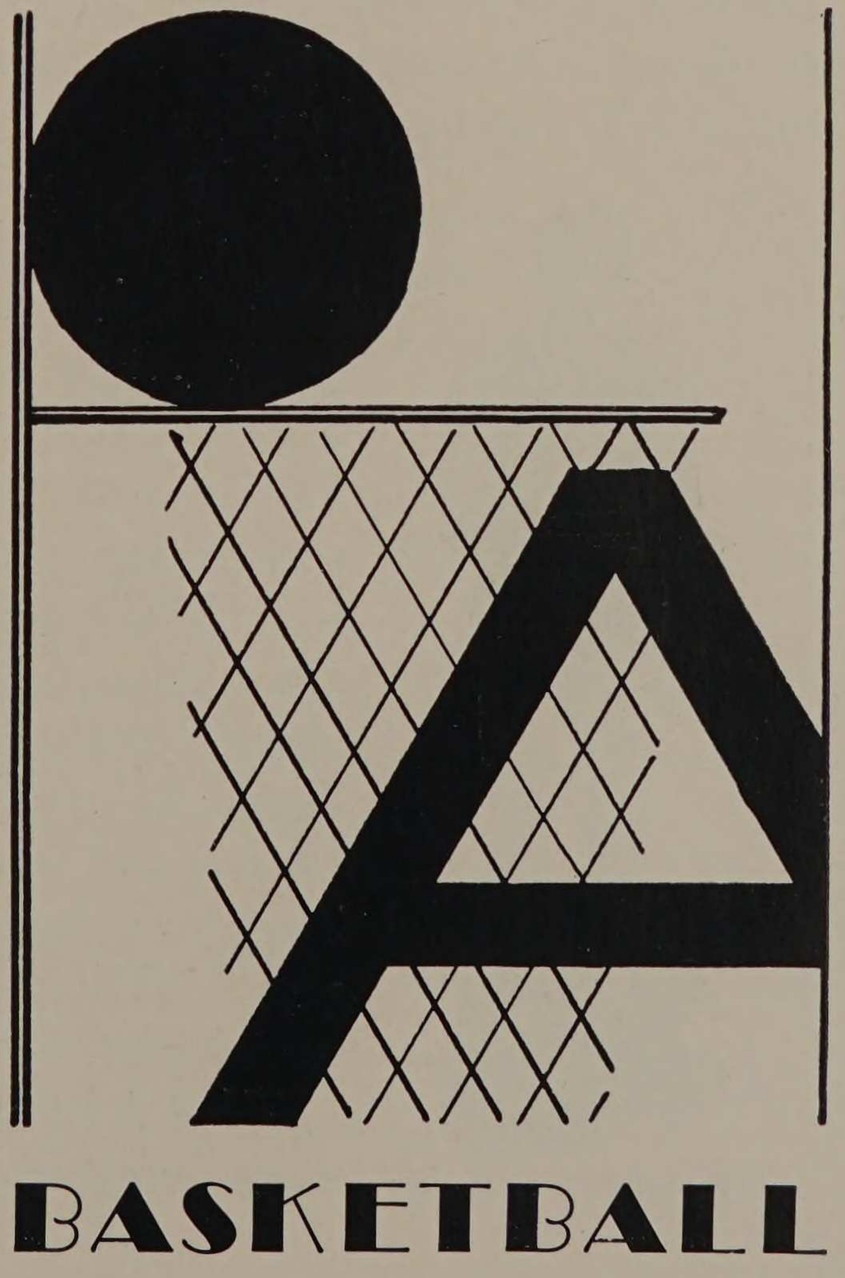
J. T. Sorensen

A. H. Helmick

FINAL TRACK STANDINGS

*¶	D. J. Paul	91½
*¶	V. A. Sturm	75¼
*¶	E. E. Sademan	64
*¶	J. J. Kara	50
*¶	F. M. James	35
*¶	D. J. Iverson	31
*¶	H. L. Fox	28¼
*¶	A. H. Jens	18
*	R. A. Timmermans	15¼
*	J. T. Sorenson	11
*	T. D. Luckett	9
*	K. S. Hirsch	8¼
*	D. T. Smith	8
*	E. L. Cordes	8
*	J. E. Ransel	5
*	A. H. Helmick	4
	J. F. Ireland	3
	W. J. McKinney	2
	J. F. Borrowdale	1
	C. J. Jens	1
	Total	458½

*¶—Major A; *—Minor A.

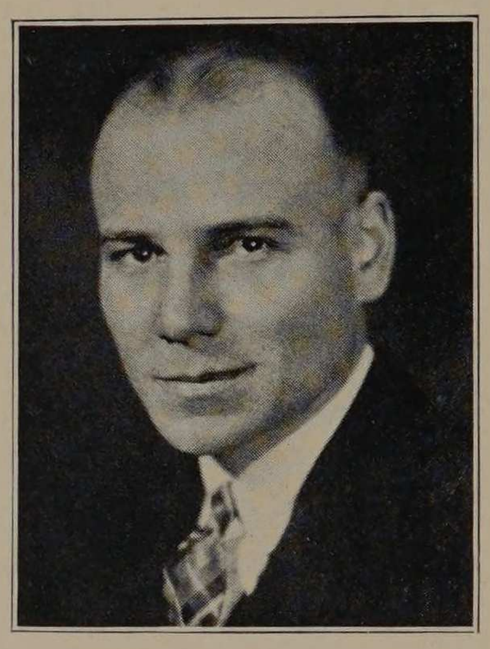


BASKETBALL

BASKETBALL 1931

Armour's 1931 basketball squad, ending the season with eight victories and five defeats, created the best record of any Tech cage team for the past seven years.

About forty men responded to the call for basketeers early in November. Coach Krafft had to build his team around a nucleus of five regulars from the previous season, Captain C. J. Robin, H. C. Rossing, S. A. Ott, F. E. Rutkowski, and W. M. Miran.



Coach W. C. Krafft

The first practice tilt was with the Bakelite Corporation Stars on December 1. Armour emerged victorious, 33-24, and used twelve men during the game.

Captain C. J. Robin

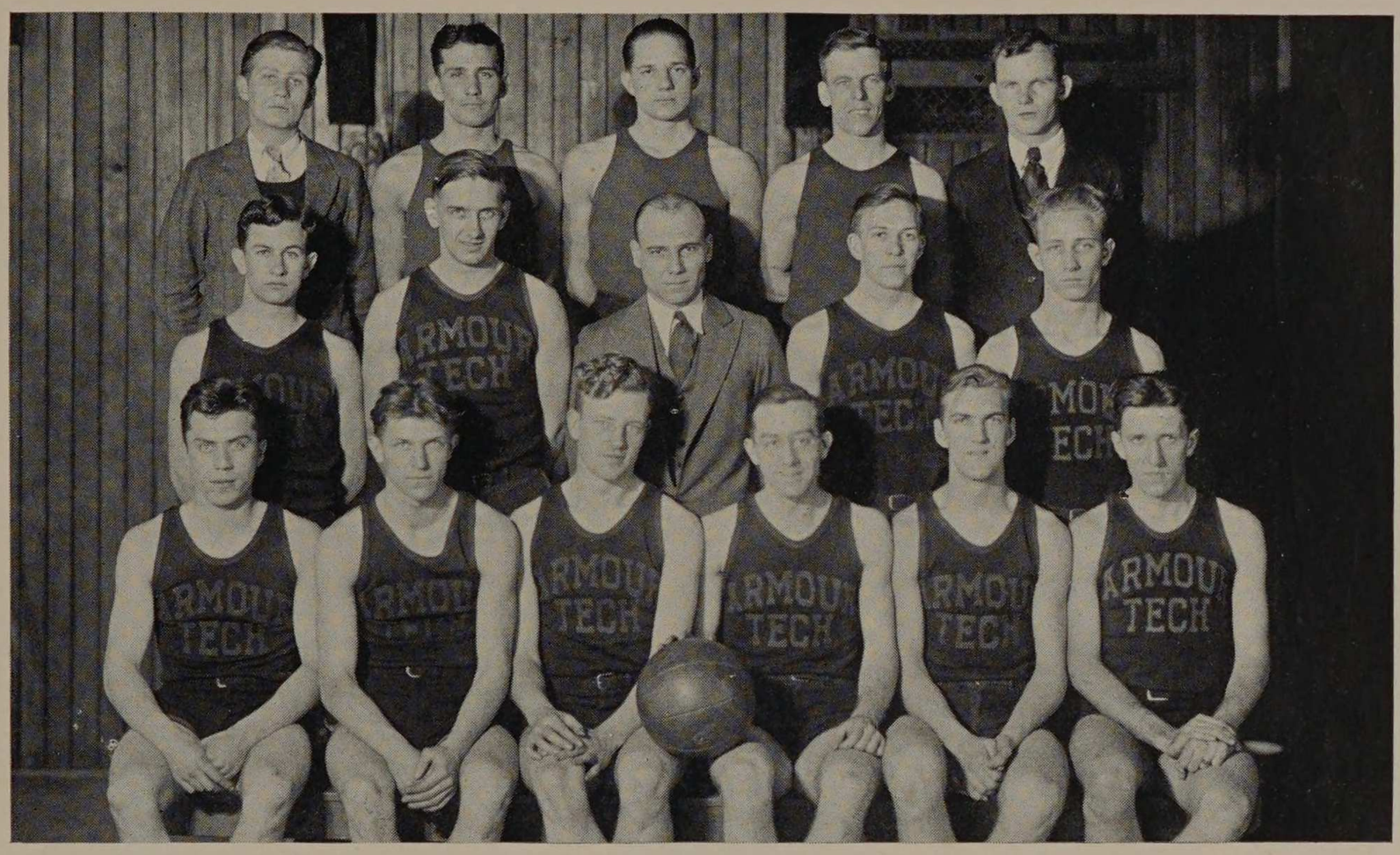
On December 4, the University of Chicago defeated Tech, 33-20, in another scrimmage game. Both teams changed players consistently, in order to try out the new men. Tech's showing was highly commendable.

The Alumni were defeated 44-18, in their annual tilt at the Eighth Regiment Armory. Although the veterans, Hofer, Kuffel, Schumacher, Downes, and Manz, had a fast breaking, man to man, attack, they could not cope with the strategy of the varsity squad. Rossing starred throughout the game by making five baskets and two free throws.

The yellow and black team won their second game by swamping Chicago Tech 31-13, December 11, at the Armory. The victors showed superior offensive and defensive tactics by holding their opponents to only three field goals during the entire game. Beemsterboer, playing for Rossing at center during the second half, sank three baskets and one free throw to lead the scoring for Armour.

Manager E. C. Erland

Tech defeated Wheaton College, 36-33, to make the third consecutive victory of the season at Eighth Regiment Armory. The



Owen, Moskowitz, Rummel, Meade, Erland.
Lind, O'Connor, Krafft (coach), Setterberg, Ott.
Miran, Omiecinski, Rossing, Robin, Beemsterboer, Rutkowski.

BASKETBALL 1930-31

William C. Krafft ..... Coach
Clarence J. Robin ..... Captain
Edward C. Erland ..... Manager
John C. Owen ..... Assistant Manager

SCHEDULE

December 9—Armour 44, Alumni 18, at Armour
December 11—Armour 31, Chicago Tech 13, at Armour
December 16—Armour 36, Wheaton 33, at Armour
December 19—Armour 30, Western State Normal 38, at Armour
January 8—Armour 29, Chicago Normal 33, at Armour
January 12—Armour 24, "Y" College 38, at "Y" College
January 15—Armour 30, Augustana 34, at Rock Island
January 22—Armour 35, Wheaton 23, at Wheaton
February 7—Armour 28, Western State Normal 60, at Kalamazoo
February 9—Armour 27, St. Mary's 22, at Orchard Lake
February 13—Armour 36, Augustana 28, at Armour
February 17—Armour 37, "Y" College 24, at Armour
February 19—Armour 33, Chicago Tech 26, at De La Salle Gymnasium

H. C. Rossing

game was closely contested throughout, consisting of brilliant floorwork, accurate shooting, and snappy attacks. Neither team had a substantial lead throughout the game. Wheaton's marksmanship with free throws seriously menaced Armour's chances for they succeeded in sinking all of their thirteen free shots.

Western State Normal of Kalamazoo emerged triumphant, 38-30, in their game with Armour. Although being defeated for the first time, the Tech squad displayed a good brand of basketball against their undefeated opponents.

F. E. Rutkowski

Armour lost to Chicago Normal, 33-29, on January 8. Victory was in their grasp until the final three minutes of the game, when Normal sank long shots from various angles of the floor to win by four points. Tech's players lacked the spirit and aggressiveness that typified their style of play in the first four games. Miran and Ott led the scorers, making eighteen points between them.

Y.M.C.A. College outscored Armour, 38-24, at the "Y" Gymnasium. The first half was closely contested throughout, ending 16-15 in favor of "Y" College. During the final period Armour failed to make any serious threats to attain the victory. The brilliant playing and shooting of Wilson and Meyer clinched the game for "Y". They scored 27 points between them.

Augustana stopped Armour's spirited rally in the second half of their game on January 15, at Rock Island, in time to win the contest, 34-30. Techmen made a poor showing during the first half, being on the short end of a 26-16 score. They opened the second half with brilliantly executed passing plays, and succeeded in locating the hoop from all angles of the floor. Captain Robin was high pointman, sinking six baskets.

S. A. Ott

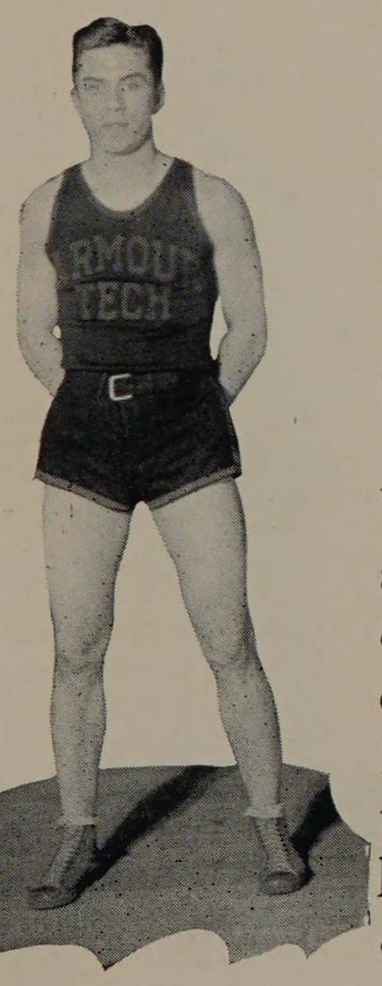
Armour won its first basketball game away from home in two years by outscoring Wheaton, 35-23, at the latter's gymnasium. Captain Robin led the attack by scoring 17 points, eight baskets and a single free throw before

500 Wheaton fans. This is a record for scoring in any one game for Tech.

Western State Normal upset Armour for the second time this year by the large score of 60-28. Although the victors were leading by only six points at the start of the third quarter, they ran wild thereafter, sinking baskets from every angle. Ten Techmen made the trip to Michigan.

St. Mary's College was defeated, 27-22, before two thousand spectators at Orchard Lake, Michigan, for Tech's fifth victory of the 1931 season. Rossing starred by scoring 15 of the victor's 27 points.

Augustana's earlier 34-30 victory was avenged on Friday, February 13, when Armour defeated them by a 36-28 score. Both teams played a fast snappy game with excellent quick passes. Robin and Rossing led the scoring with 21 points between them.



W. M. Miran

Coach Krafft's basketeers again avenged a previous defeat, when they outscored "Y" College, 37-24. The visitors were hopelessly outplayed and outscored during the first half, being on the short end of a 20-6 score. Beemsterboer, Rossing, and Robin, each netted Armour nine points.

G. J. Beemsterboer

Armour Tech climaxed its 1930-31 basketball season with a 33-26 victory over Chicago Tech at the De La Salle gymnasium for its fourth consecutive victory. This game marked the final appearance of Captain Robin, Ott, O'Connor, Rutkowski, and Setterberg, who will graduate during the coming year. The black and yellow men were outscored until the final six minutes of the game, when they forged to the fore on shots by Ott and Omiecinski.

V. Omiecinski

The 1931 season was not without its serious mishaps. Miran and Gustafson, two stellar guards of the season, were lost during the earlier part due to illness and ineligibility.

Next year will see the following men back to strive for another championship season: Captain-elect Rossing, Beemsterboer, Gustafson, Lind, Yuknis, V. Omiecinski, Moskowitz, and Kukulski.

ARMOUR—27

	B.	FT.	P.
Robin, f.	1	1	2
Rossing, f.	7	1	3
Beemsterboer, c.	2	1	4
Ott, c.	0	0	0
Rutkowski, g.	2	0	1
Omiecinski, g.	0	0	2
Yuknis, g.	0	0	0
	12	3	12

ST. MARY'S—22

	B.	FT.	P.
Smokowski, f.	1	0	1
Felikowski, f.	2	0	0
Neunan, c.	1	3	3
Grulkouski, c.	2	0	0
Malizowski, g.	1	3	3
Zyskowski, g.	0	1	0
Kneid, g.	0	1	0
	7	8	7

ALUMNI—18

	B.	FT.	P.
Schumacher, rf.	2	2	1
Downes, lf.	2	1	1
Kuffel, c.	1	1	3
Hofer, rg.	1	0	3
Manz, lg.	0	2	3
	6	6	11

VARSITY—44

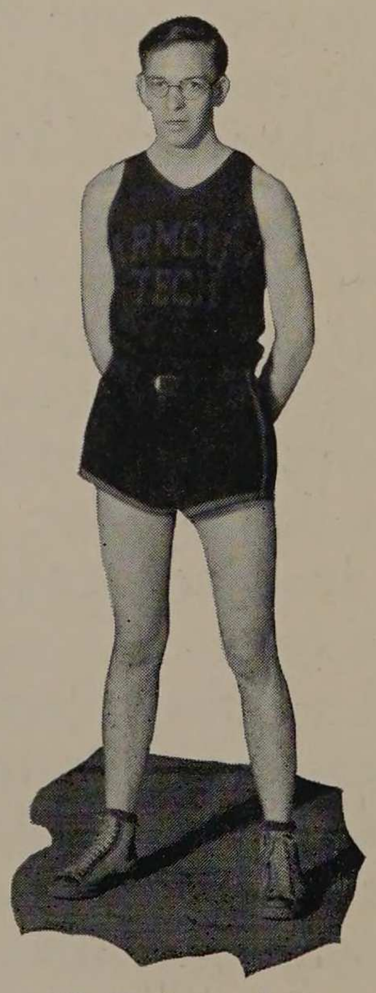
	B.	FT.	P.
Robin, rf.	3	0	0
Miran, lf.	2	3	0
Rossing, c.	5	2	0
Gustafson, rg.	3	0	0
Rutkowski, lg.	1	2	3
Ott, lf.	3	0	0
Lind, rf.	1	1	2
Beemsterboer, c.	0	0	0
Kukulski, lg.	0	0	0
Omiecinski, lf.	0	0	0
Moskowitz, rg.	0	0	0
	18	8	5

ARMOUR—36

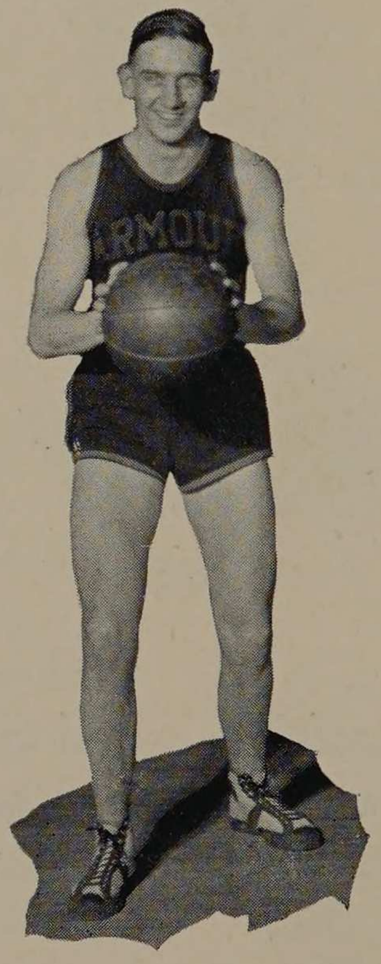
	B.	FT.	P.
Robin, f.	4	3	0
Rossing, f.	5	0	2
Beemsterboer, c.	3	0	4
Ott, c.	0	0	1
Rutkowski	1	0	1
Omiecinski	0	4	4
Yuknis	1	1	0
	14	8	12

AUGUSTANA—28

	B.	FT.	P.
Thomon, f.	4	0	1
Swanson, f.	2	2	3
Lindberg, f.	0	2	1
Anderson, c.	1	2	1
Jones, g.	2	0	2
Chelstrom, g.	2	0	4
Herp, g.	0	0	0
	11	6	12



H. C. Setterberg



T. B. O'Connor

S. M. Lind

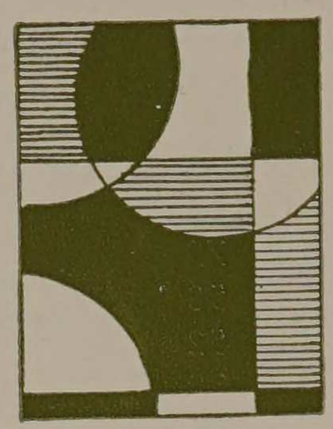
INDIVIDUAL SCORING 1930-31

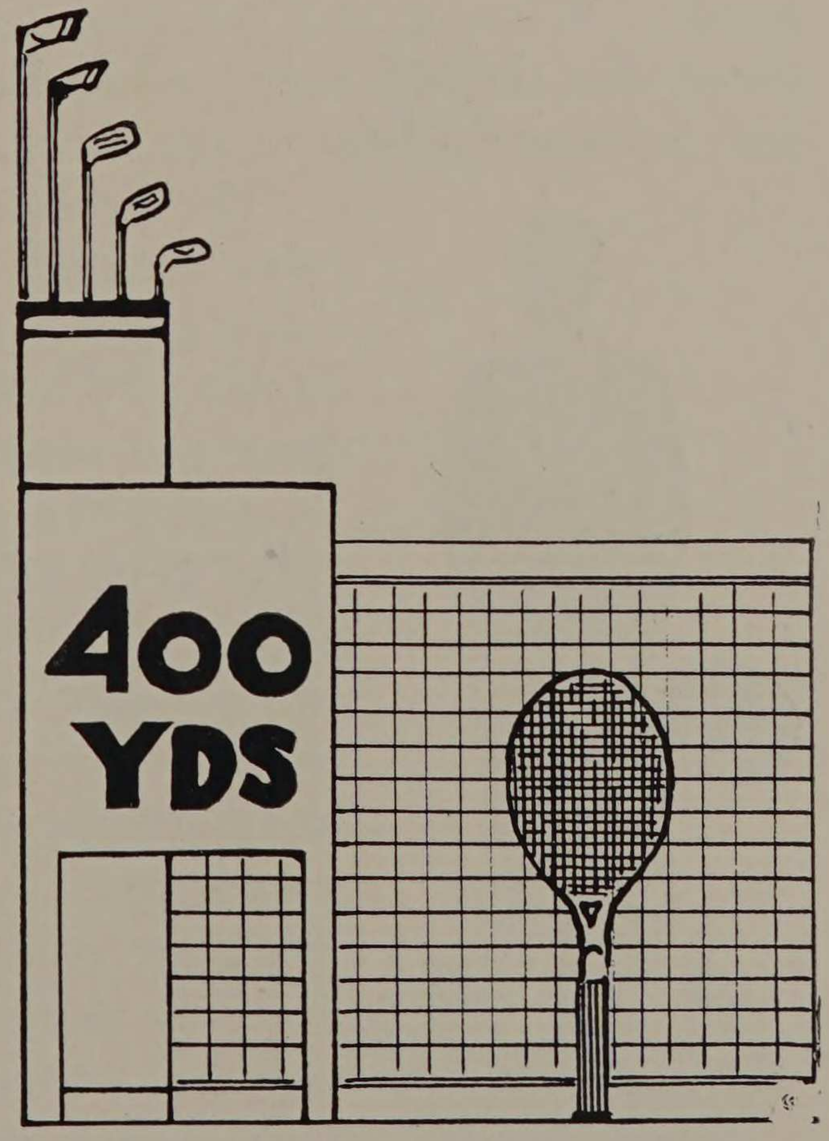
	F.G.	F.T.	T.P.
Rossing	46	24	116
Robin (Capt.)	32	15	79
Ott	21	16	58
Beemsterboer	19	14	52
Ruthkowski	15	5	35
Miran	8	9	25
Gustafson	6	5	17
Yuknis	5	2	12
Lind	4	3	11
Omiecinski	3	5	11
Moskowitz	2	..	4
O'Connor	..	..	..
Kukulski	..	..	..
	161	98	420

M. M. Moskovitz

J. P. Meade

L. G. Rummel





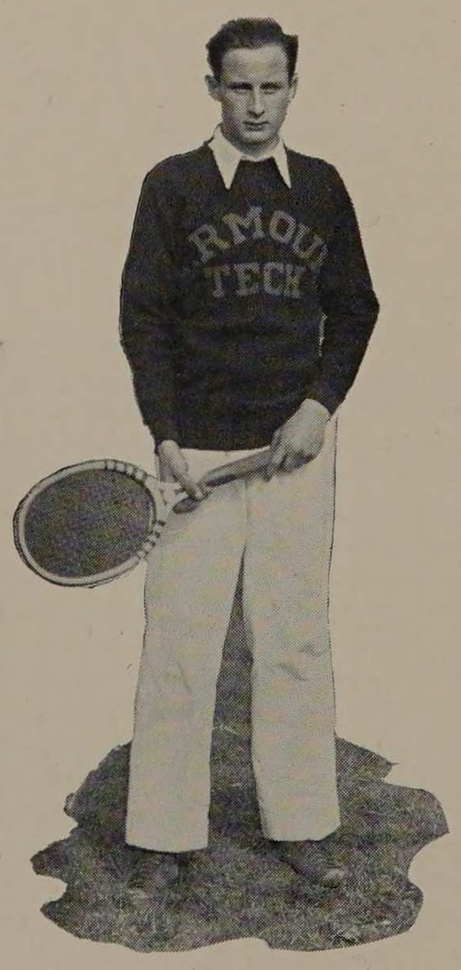
MINOR SPORTS

TENNIS 1930

The tennis team under the direction of Professor W. W. Colvert closed the 1930 season with three victories against eight defeats. This apparent let-down from their championship stride of previous years was partly due to the loss of Stellar and Jennings, the latter, Illinois State Champion and National Public Parks Champion for three consecutive years.

Coach W. W. Colvert

Captain A. Winkler, W. Scott, R. Eddy, W. Schirmer, R. Johnston, and R. Spencer, made up the regular squad. Winkler and Johnston composed one doubles team, while Eddy and Schirmer played in the other.



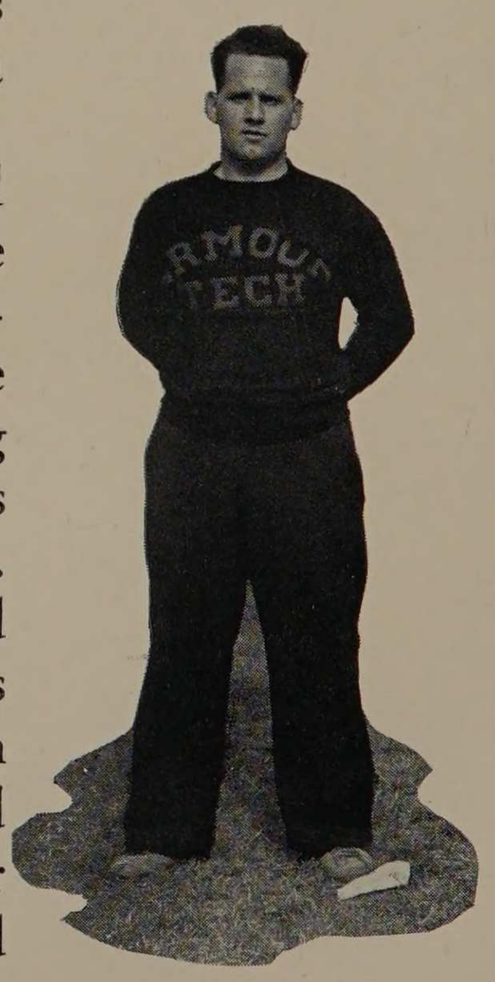
Captain A. Winkler

The Tech team was unable to start its winning stride, and lost its first six matches in succession. The first meet with Lake Forest was fairly close with several matches going to extra sets. Loyola gave Armour its only shut-out of the season. Tech lost both of its matches to Valparaiso, the score being four matches to three each time.

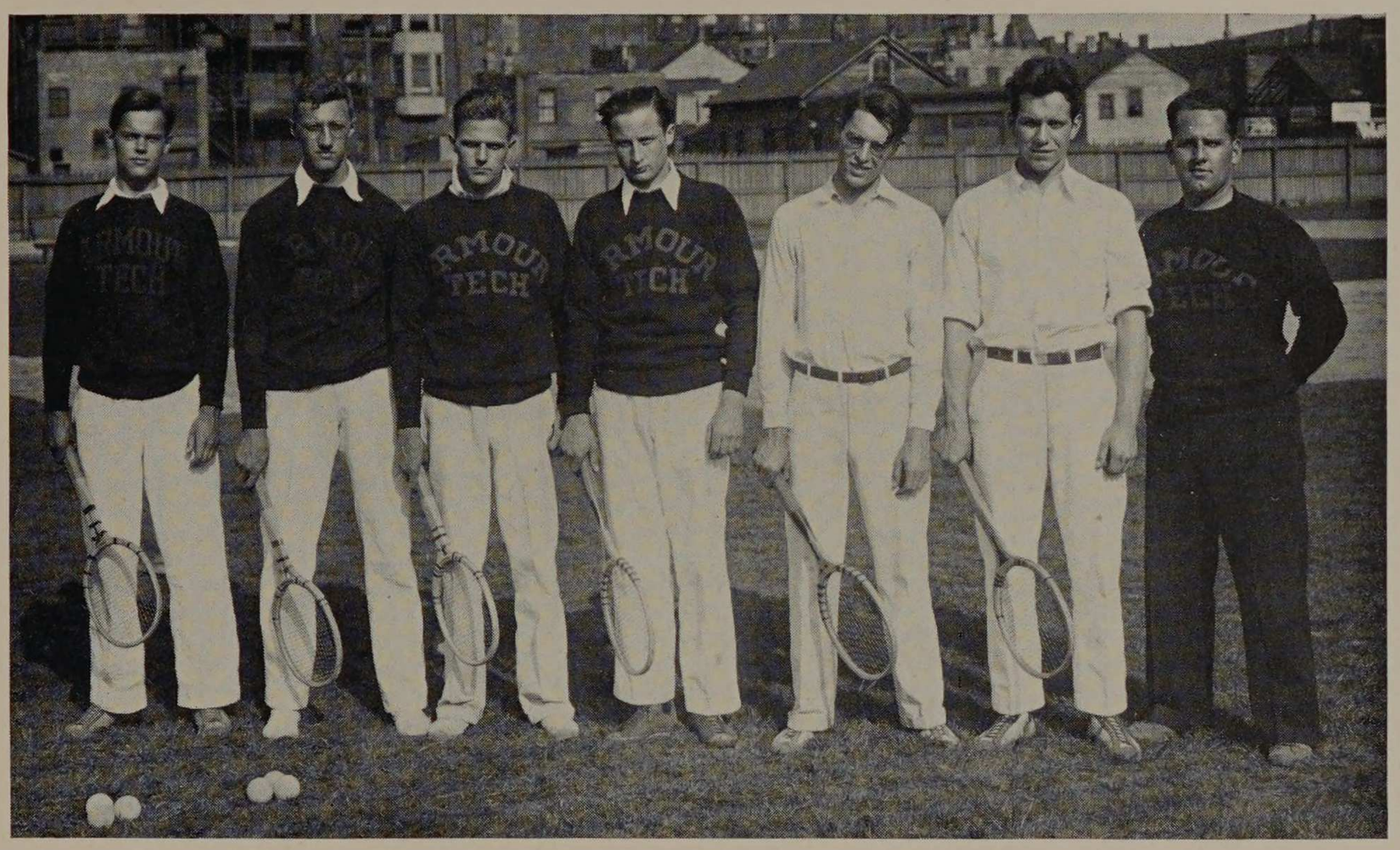
Armour defeated Lake Forest, five to two, for its first victory of the season. In his match, Captain Winkler upset Roberts of Lake Forest, 6-4, 6-2. Roberts had not been defeated in six years of competition.

Tech ended the season with two decisive victories over North Park College. The first of these was five matches to two, and the last, four to one. The team exhibited class, speed and form in both matches, and completed their sets in short time. In these two meets they won six singles and three doubles matches out of a possible twelve.

Eddy and Schirmer was the best doubles combination of the season, winning seven matches and losing three. Eddy finished his 1930 singles competition with six victories and with only four defeats chalked against him.



Manager W. R. Manske



Johnson, Schirmer, Scott, Winkler, Eddy, Spencer, Manske.

TENNIS 1930

William W. Colvert ..... Coach
Albert Winkler ..... Captain
William R. Manske ..... Manager

TENNIS SCHEDULE 1930

April 25—Armour 2, Lake Forest 4, at Lake Forest
April 29—Armour 2, Loyola 5, at Armour
April 30—Armour 1, Notre Dame 6, at Armour
May 2—Armour 1, "Y" College 6, at Armour
May 6—Armour 3, Valparaiso 4, at Valparaiso
May 13—Armour 0, Loyola 7, at Loyola
May 19—Armour 5, Lake Forest 2, at Armour
May 20—Armour 1, "Y" College 6, at "Y" College
May 23—Armour 3, Valparaiso 4, at Armour
May 26—Armour 5, North Park 2, at North Park
May 29—Armour 4, North Park 1, at Armour

GOLF 1930

Coach C. W. Leigh

The 1930 golf team, coached by Professor C. W. Leigh, ended a very hard schedule with two victories and five defeats.

S. Johannisson, a freshman, won the annual Golf Tournament held at Evergreen Park with a total of 147. Zacher and Chamison were tied for second place with 150 strokes.

The season opened with the annual Alumni-Varsity match at the Evergreen course. The more experienced alumni won by the close score, 6½ to 5½.

Armour's team showed considerable talent when they met the strong Crane College aggregation in the second match of the season. The meet was hotly contested throughout, being lost in the last match. Final score was 9½ to 8½.

For their third match, Tech journeyed down to Valparaiso, Indiana, and trounced the University of Valparaiso squad, 12½ to 5½. Ireland turned in the best card of the day with a medal score of 39 out-37 in.

Weis, Johannisson, and Chamison won their singles matches with practically par golf. Pearson was defeated by De Gracia, who previously had won the sectional championship at Gary, Indiana.

Pearson, Johannisson, and Ireland, Weis, won their doubles combinations by close scores.

Armour lost the next match to De Paul, 9 to 3. All matches were closely contested but the Tech men couldn't come through in the pinches.

Tech won the second match with the University of Valparaiso squad, 11 to 7, at the Evergreen Park course. Loyola and De Paul then closed the season with defeats for Armour. The latter match, played at Big Oaks golf course, consisted only of single matches. Captain Weis was again defeated by his old rival, Bradburn, by two strokes.

Johannisson led the season's scoring with a total of nine points.

Alexander, Weis, Meagher, Pearson, Johannisson

GOLF 1930

Charles W. Leigh ..... Coach
Henry B. Weis ..... Captain
John B. Sitzler ..... Manager

GOLF SCHEDULE 1930

Armour	5½	Alumni	6½
Armour	8½	Crane	9½
Armour	12½	Valparaiso	5½
Armour	3	De Paul	9
Armour	11	Valparaiso	7
Armour	1½	Loyola	10½
Armour	1	De Paul	14

SWIMMING 1931

Tech's 1931 swimming team ended a .500 season by winning two, tying one, and losing two meets.

On December 18, Armour opened the season by tying the strong Hyde Park Y. M. C. A. team 33-33. During the previous year the "Y" team had placed second in the Middle-West "Y" championships.

Coach E. W. McGillivray

In the next meet the yellow and black squad lost to an old time rival, Crane Junior College, 42-33.

Armour's 160 yard relay team, composed of Giovan, Carlstrom, Byanskas and Captain Knox created a new Tech record of 1:21.4. Andy Weston performed true to form and copped first place in the 220 yard free style.

Captain E. H. Knox

The following Saturday, Armour journeyed to Culver, Indiana, and lost its second meet, 43 to 23. Jack Cavanagh starred by winning the 100 yard breaststroke for Armour's only first place.

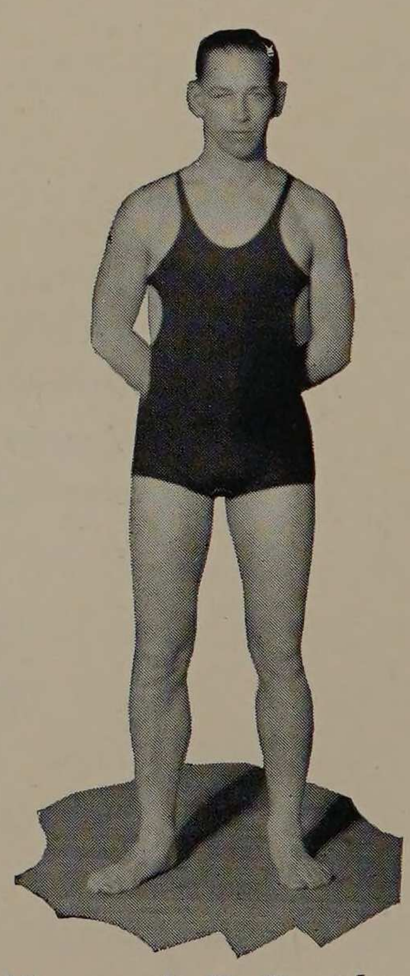
By winning seven first places Armour defeated Illinois Wesleyan College 48 to 27 at Bloomington, Illinois on Saturday, February 28.

The 160 yard relay quartet broke the school record for the third time during the season. The new mark stands at one minute, 21 seconds.

Captain Knox and Andy Weston were high point men of the meet, each of them winning two first places. Knox won the 40 yard freestyle and the 100 yard crawl, while Weston copped the 100 yard backstroke, and the 220 yard freestyle.

Tech closed the season by defeating Loyola University 38-37 at the Loyola pool.

The meet was close throughout. Loyola, not having a medley relay team, lost the meet by defaulting this first place to Armour. Weston again starred by winning first place in both the 100 yard breaststroke and the 200yd. free-style.



Manager L. D. Davidson

Davidson, Davisson, Brockman, Thomson, Koenig, Swanson.
Cavanagh, Klove, Carlstrom, Knox, Weston, Pfeiler.

SWIMMING 1930-31

E. Wallace McGillivray ..... Coach
Edwin H. Knox ..... Captain
Leonard D. Davidson ..... Manager

SWIMMING SCHEDULE

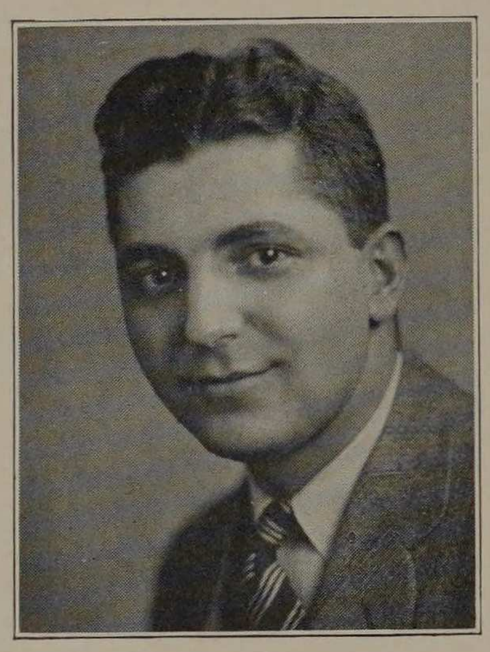
December 18—Armour 33, Hyde Park Y. M. C. A. 33
February 17—Armour 33, Crane 42
February 21—Armour 23, Culver, 43
February 28—Armour 48, Illinois Wesleyan 27
March 5—Armour 38, Loyola 37

POINT TOTALS

A. H. Weston	43	N. C. Giovan	10
E. H. Knox	36	I. A. Kolve	9
J. O. Cavanagh	26	M. W. Brockman	3
E. L. Byanskas	21	G. E. Davisson	2
R. W. Carlstrom	12	L. D. Davidson	2
J. W. Thompson	10	A. J. Pfeiler	1

BOXING 1931

Boxing, under the tutelage of Coach "Sonny" Weissman, ended the 1931 season with four defeats and two victories.

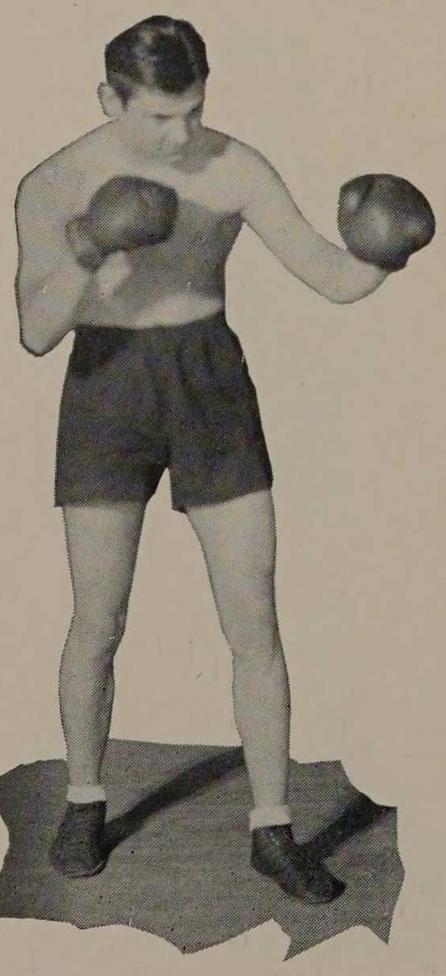


Coach B. Weissman

West Side Y. M. C. A. opened the season on December 19 by administering a 6½ to 1½ defeat to the Tech squad. The Sandstrom-Korpoft match was a draw, while Captain Ustryski, Montesano, Hauser and Milevsky displaying high caliber of boxing and generalship failed to get the judges' decision.

Ustryski injured his arm in this match, and as a result had to refrain from training for several weeks.

In the second match, Chicago Regiment Headquarters defeated the yellow and black squad 3½ to 2½. The bouts were fiercely contested throughout with the final score remaining in doubt until after the last match.



Captain F. A. Ustryski

Heckmiller and Sandstrom outboxed their opponents to win their bouts by decisions. Campioni, 156 pounds, drew his match with McDermott of the Headquarters squad. Montesano, Kruchten and Milevsky again lost close decisions to their heavier opponents.

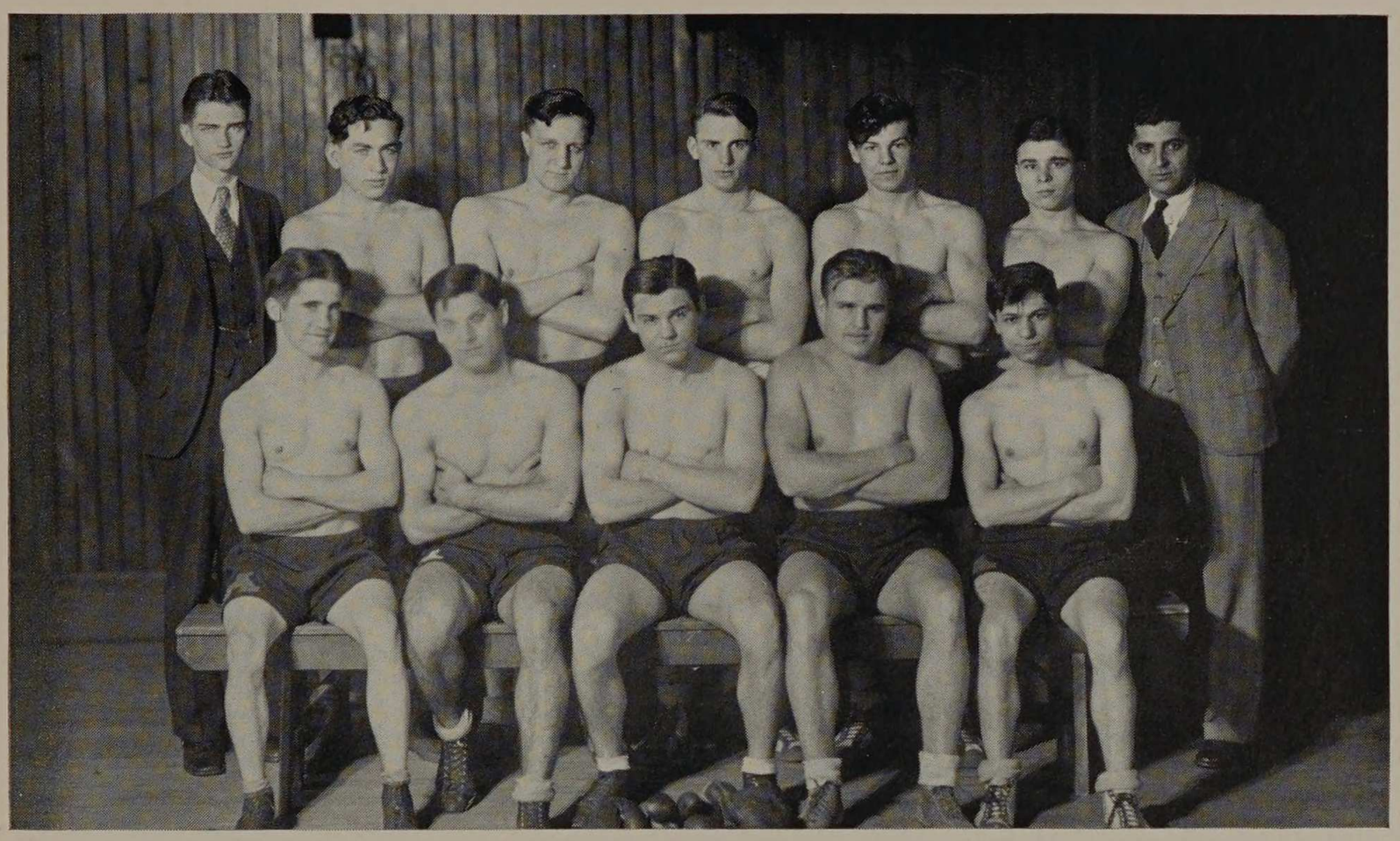
On February 21, Tech boxers journeyed to Culver, Indiana and lost all six bouts to the soldiers. A crowd of several hundred spectators saw the match. Montesano, Sandstrom, Campione, Rush, Heckmiller and Mago composed the squad.

Bloomington Y. M. C. A., Illinois state boxing champions, defeated Armour's boxers, five matches to one, at Bloomington on March 7.

Armour's boxers won their first meet of the season by defeating the highly touted Loyola University squad, three bouts to two. The matches were held at the Tech gym before 250 Tech rooters.

Tech defeated the Loyola pugsters for the second time in April 8, at Loyola.

Manager C. N. Cannon



Cannon, Milevsky, Campione, Koko, Heckmiller, Kosan, Weissman (coach)
Sandstrom, Mago, Ustryski, Rush, Montesano.

BOXING 1931

B. Weissman ..... Coach
Frank A. Ustryski ..... Captain
C. Newton Cannon ..... Manager

SCHEDULE

December 19—West Side Y. M. C. A. 6½, Armour 1½
January 19—Chicago Regiment Headquarters 3½, Armour 2½
February 21—Culver 6, Armour 0
March 7—Bloomington Y. M. C. A. 5, Armour 1
March 20—Loyola 2, Armour 3
March 27 and 30—Armour boxing tournament
April 8—Loyola 4, Armour 5

INTERCLASS ATHLETICS

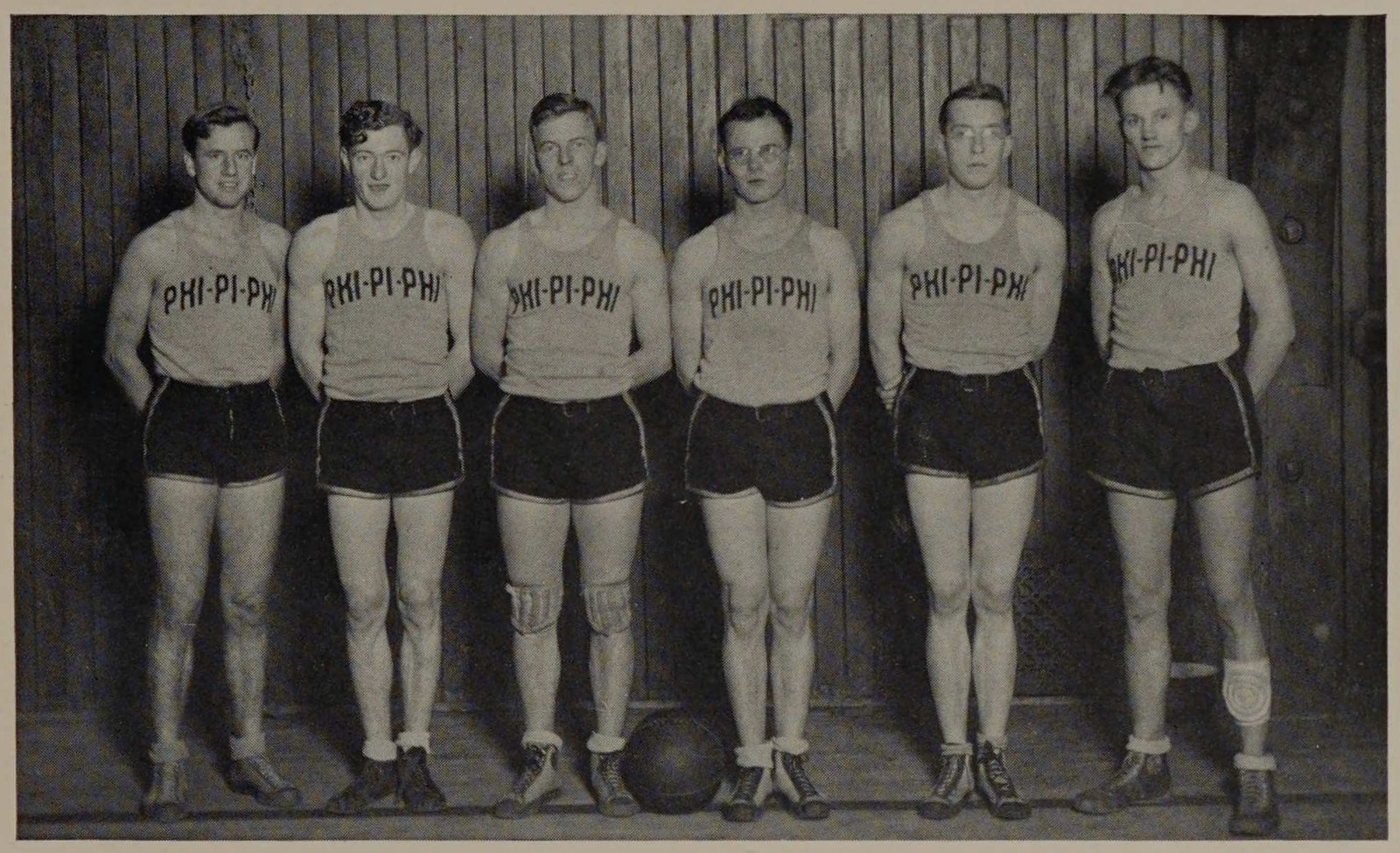
Castanes, White, Omiecinski, Lillis, Bacci.
Christoph, Moskowitz, Rummel, Jacobson, Henke, Reed.

The freshmen launched on the road to athletic fame, by defeating the sophomores in baseball by a score of 17-13. They took the lead early in the game and held it through the final inning. The seniors won their game against the juniors in the other division. The victors were very fortunate in having five letter men on their squad. In the game for championship, Hutman, a very promising player, pitched for the freshmen and with a well organized team, defeated the seniors by a score of 1-0.

The freshmen again came into the fore in the interclass basketball competition. The sophomores, who were last year's champions, met defeat in a very exciting game. They were so evenly matched it was necessary to go into an overtime period to determine the winner. The juniors were successful in defeating the seniors in a hard fought fracas. In the final game the juniors proved no match for the well organized freshman squad. The final score of this game was 23-10 in favor of the freshmen.

The seniors won their third consecutive interclass track championship in a meet that was held between semesters at the Bartlett Gym. They have made a record that will long remain unequaled. A. H. Jens starred for the seniors, who had a final count of 28 points. The sophomores were second, and again successful in leading the juniors. Their score being 15 points, one better than the juniors. were able to gather.

INTERFRATERNITY ATHLETICS

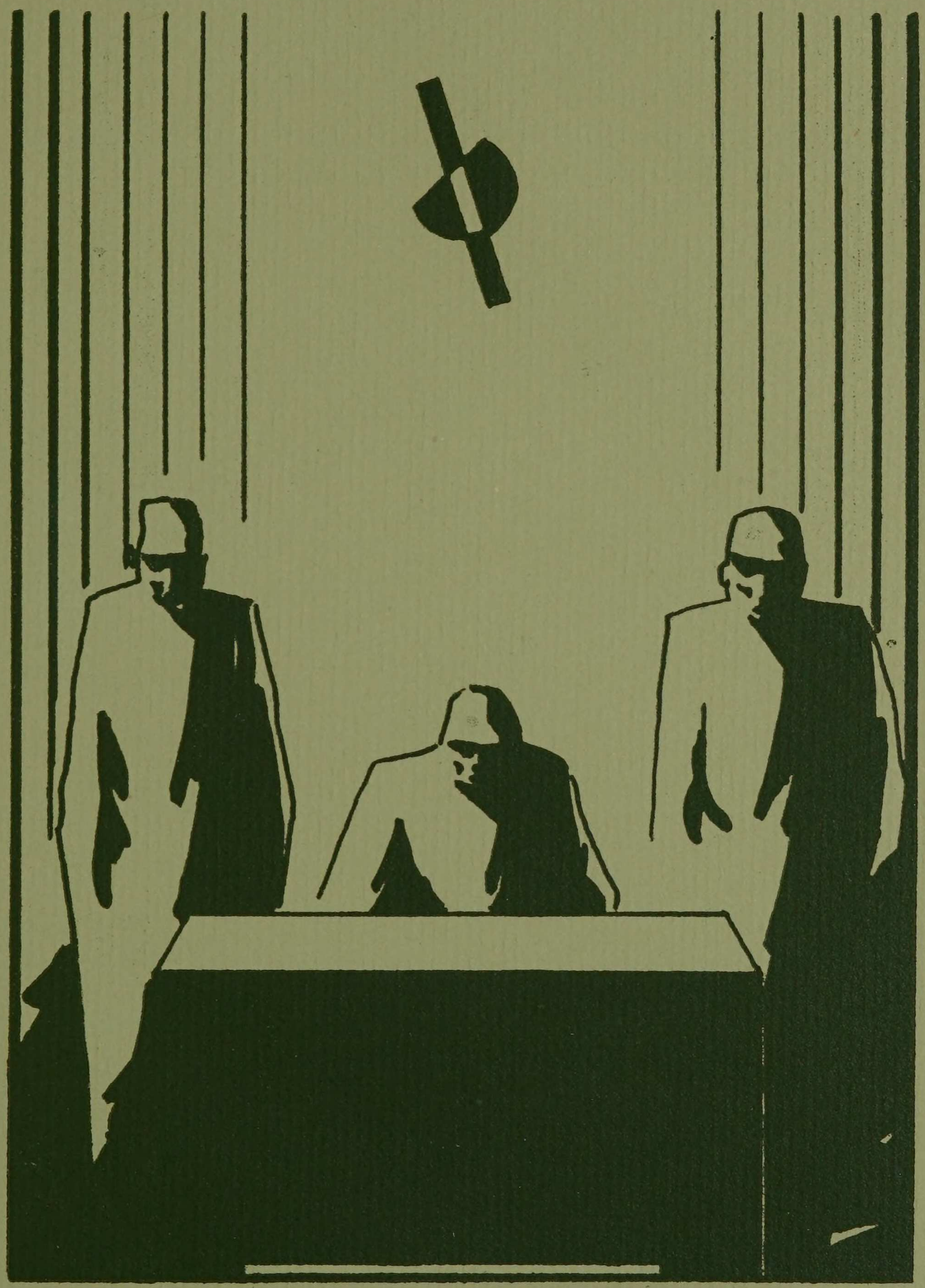


MacLennan, Gisske, Meade, Erland, Leichtenberg, Carlson.

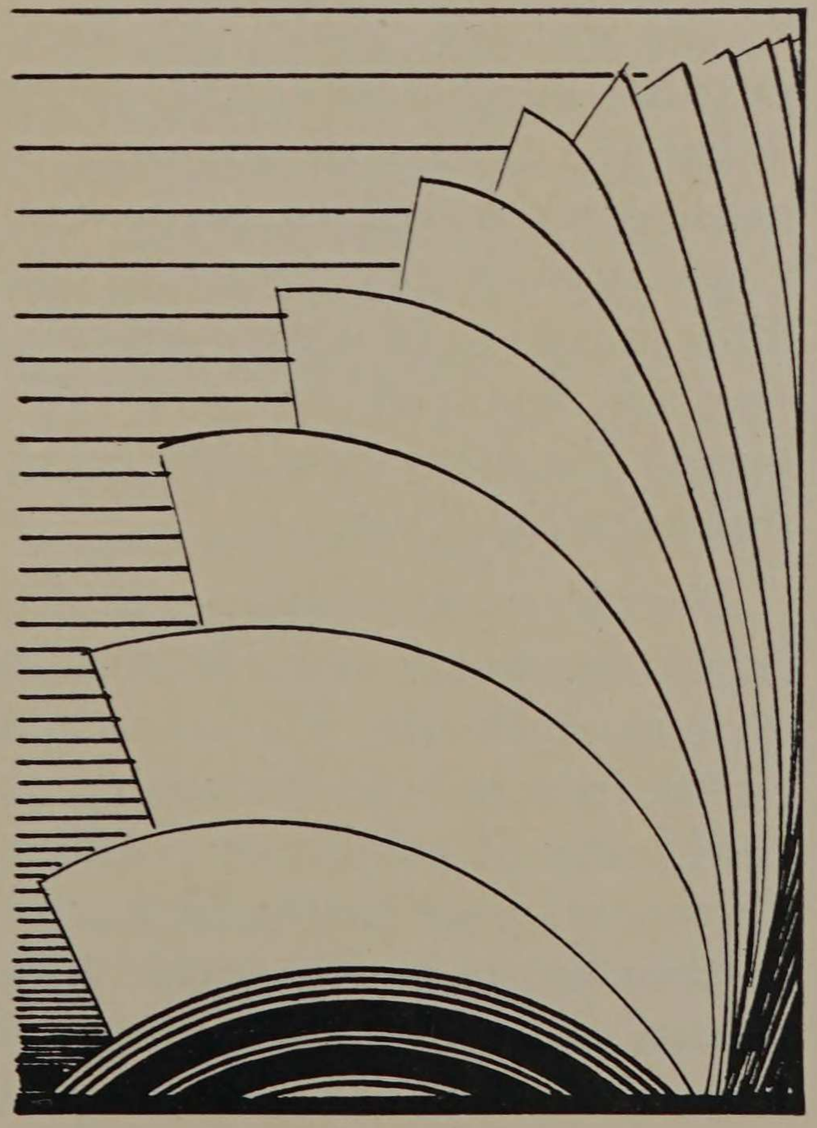
Armour's collegiate atmosphere and love for fair play is accentuated by interfraternity athletics. Throughout all of its branches of competition there prevails a spirit of the finest sportsmanship coupled with every participant's best effort to win. It is this keen spirit of rivalry that has lent color and enthusiasm to intramural activities.

The final basketball game brought the Phi Pi Phi's and the Sigma Kappa Delta's together. The game opened with both teams playing cautiously, but in the third quarter the former sent a fusillade of shots through the net to gain a substantial lead, too great to be overcome by the fourth-quarter rally which the Sig Kap's gamely put up. Carlson, a Phi Pi forward, was high point man.

One of the "highlights" of Junior Week was the interfraternity track meet. Competition was close in each event and every man was compelled to do his utmost to "get in the money"! The participants were spurred on by the exhortations and cheers of enthusiastic fraternity brothers and friends who lined the sides of the field. Beta Psi won the day's honors with a total of 54 points. Triangle placed second and Sigma Kappa Delta third with 25½ and 18½ points respectively. Miran of Beta Psi was high-point man with 18 points. A Theta Xi team composed of Rowley, Olsen, Carlson, and Sorensen, won the Interfraternity Relay.



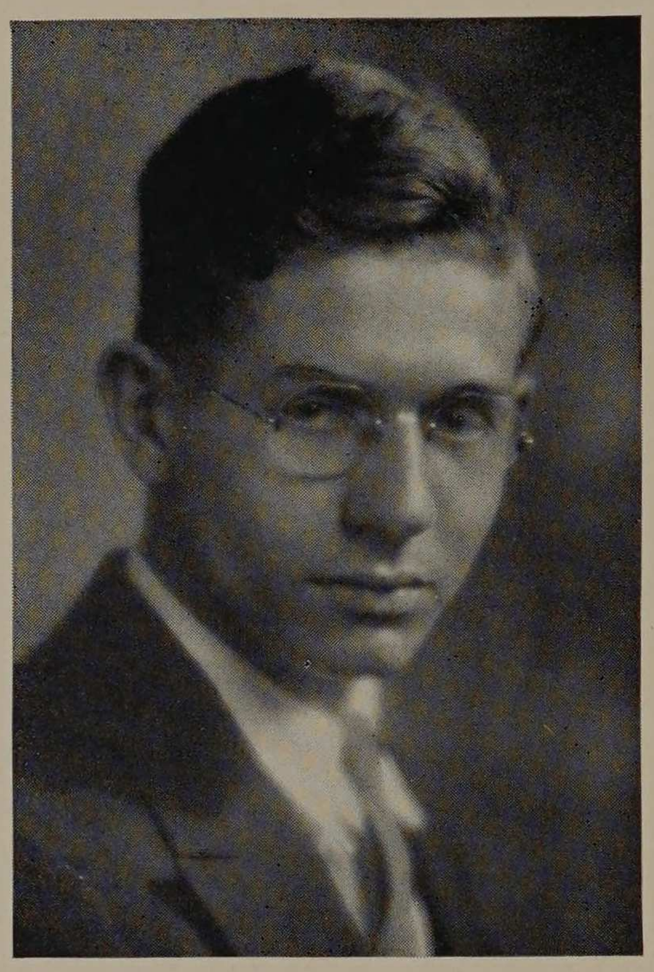
ORGANIZATIONS



PUBLICATIONS

THE CYCLE 1931

This, the nineteenth volume of the Cycle and the thirty-third volume of the yearbook of Armour Institute of Technology is not the work of one man. It is the result of the combined efforts of some thirty-odd undergraduate students of the Institute who have enjoyed the generous cooperation of the faculty.



Arthur H. Jens

As you have perhaps noted, this book is different from other Cycles of the past few years. At least the outside appearances are different. When the 1931 staff was elected, the members resolved to make the '31 Cycle unlike any previous edition. This proved to be a very difficult task for the financial status would not permit the many new ideas being put into material form.

We have attempted to diverge from the usual and the sterotyped style in yearbooks. We have attempted to incorporate into this volume the beauty of good book making. To do this we have increased the size of margin around each page. This accounts for the increased size of the book. We have not used a repetition of color border on each page. We have injected color only where we felt that it adds to the beauty of the book. The cover is one of genuine artistic design. It is not artificial as others in the past have been. To preserve the volume, we have covered it with a cellophane wrapper and then placed it in a cardboard box.

These ideas have been gathered from many sources although largely from the staff editors.

An editor could not have asked for better cooperation from his associates than we have enjoyed. At times our relations became strained but always the expected material was presented in the designated time.

To those men who have actually done the work, we extend our sincere gratitude. We have tried to do honor to those who have made this book. However, what little has been done for them is small reward for the many hours of time that have been devoted to this work.

In work of this nature where the editor is so unfit for his task he must constantly look to men experienced in the professional field for aid. These people although not connected with Armour Institute gave generously of their time that we might not fail:

THE CYCLE 1931

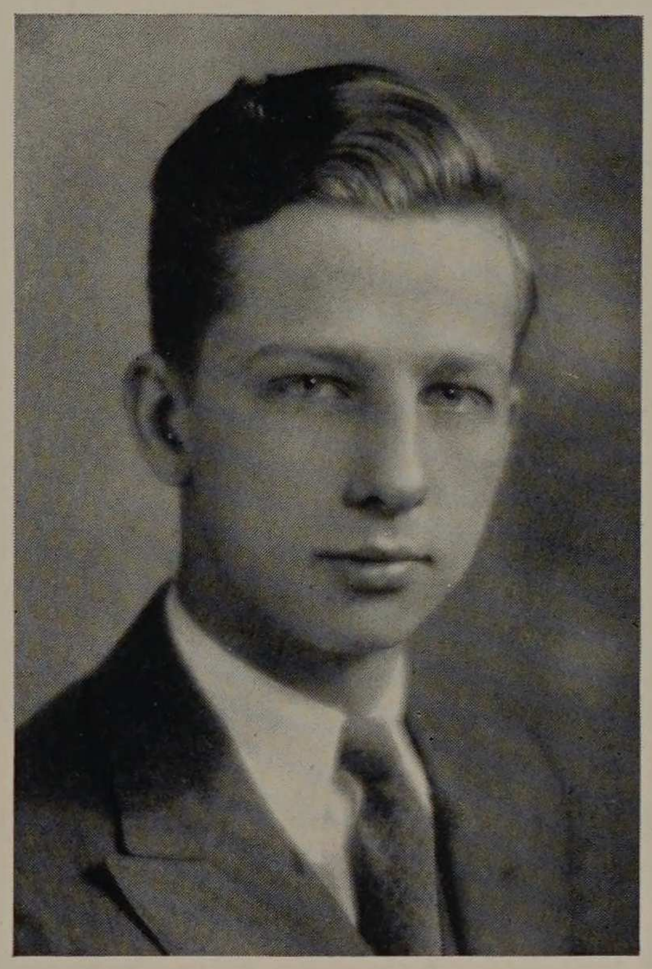
Mr. Earl W. Beebe of the Franklin Engraving Company who was ever ready to serve us however small or large our problem.

Mr. Enoch V. Linden of the Linden Printing Company who is responsible for the cover, the style, the beauty and the finish of this book.

Mr. John J. Miller of the Mabel Sykes Studio who guided us in our many photographic difficulties.

Mr. Charles Erker also of the Sykes Studio who took many of the group pictures for this book.

In our work we have made many contacts with the faculty. Thus have we been privileged to meet people we should otherwise not have known. Dr. Raymond was ever ready with suggestions and a helping hand that we might succeed. The late Dean Palmer, Dean Penn and Mr. Allison whose interest and unfailing support made the work seem easy. The faculty advisory committee composed of Professor Paul, Professor Peebles and Professor Finnegan gave unstintingly of their time in the supervision of the Cycle. This group generously received our ideas and discarded them only after careful consideration.



Emmett A. Scanlan, Jr.

To the many assistant editors and contributors who gave of their time and energy that the Cycle of 1931 might be realized, we extend our sincere appreciation.

In editing this book we have attempted to pay tribute to those most deserving. We have been accurate so far as we know, but the necessary rehandling of copy may have introduced errors. Accept these with a generous mind for they were not intentionally made.

One can scarcely appreciate the problems that are met in editing a book the size of the Cycle. At one time we were called upon to judge art work. Then we acted in the various capacities as photographer, book binder, printer, engraver, advertiser, typographer, organizer, dedicator, arbitrator, messenger and compiler.

Thus we near the end of our task, the Cycle is published. We are free of our burden. Although free, we regret that we must leave the pleasant associations that this work has created. May our successor have the good fortune that this editor has enjoyed.

ARTHUR HENRY JENS

Schodde, Murphy, Davis, Beal.
Richter, Jens, Chapman, Trauten, Venema

THE CYCLE STAFF

Arthur H. Jens ..... Editor-in-Chief
Emmett A. Scanlan, Jr. ..... Business Manager
Glen W. Schodde ..... Associate Editor
Harold R. Davis ..... Organization Editor
Marshall R. Beal ..... Fraternity Editor
Orland R. Murphy ..... Photography Editor
F. David Chapman ..... Art Editor
Harry P. Richter ..... Athletic Editor
Charles J. Jens ..... Social Editor
Maynard P. Venema ..... Feature Editor
Walter M. Trauten ..... Advertising Manager

FACULTY ADVISORY COMMITTEE

Professor Charles E. Paul, Chairman
Professor James C. Peebles
Professor Joseph B. Finnegan

CYCLE CONTRIBUTORS

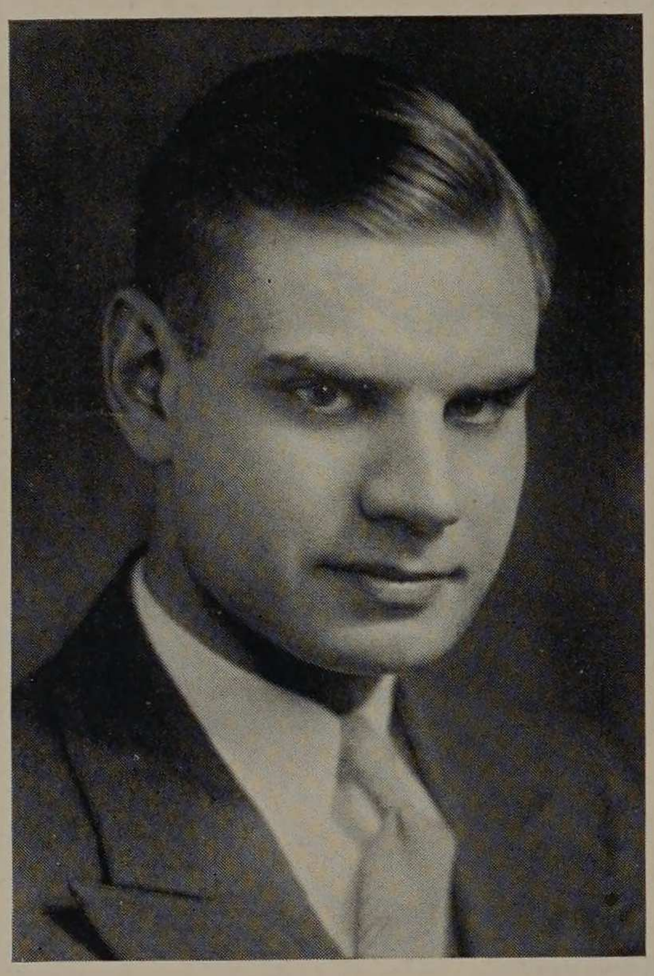
F. B. Attwood
H. F. Becker, Jr.
G. E. Berglund
T. J. Carter
J. J. Casey
E. W. Chin
A. J. DeLong
W. H. Larson
A. J. Lenke
T. D. Luckett
D. MacFadgen, Jr.
E. J. Minx
N. R. Rosen
G. L. Scherger
C. Schock
J. J. Schommer
C. K. Simons
J. T. Sorensen
A. W. Staib
M. B. Wells
E. W. Winston

FORMER CYCLE EDITORS AND BUSINESS MANAGERS

1898 The Integral W. D. Mathews, Editor
H. A. MacClyment, Business Manager
1899 The Integral F. Y. Law, Editor
S. E. Bippus, Business Manager
1900 The Integral A. C. Noble, Editor
R. J. Raley, Business Manager
1901 The Integral C. M. Mass, Editor
T. S. Ellett, Business Manager
1902 The Integral H. R. Harbeck, Editor
W. H. Lang, Business Manager
1903 The Integral D. R. Frary, Editor
A. M. Jens, Business Manager
1904 The Integral W. H. Dean, Editor
H. L. Hamilton, Business Manager
1905 The Integral L. R. Levings, Editor
L. H. Miller, Business Manager
1906 The Integral H. R. Badger, Editor
A. A. Kelkenney, Business Manager
1907 The Integral A. P. Crabbs, Editor
J. E. Monahan, Business Manager
1908 The Integral M. C. Shedd, Editor
R. A. Walther, Business Manager
1909 The Integral M. A. Smith, Editor
E. D. MacEwing, Business Manager
1910 The Integral L. D. Kiley, Editor
S. R. Todd, Business Manager
1911 Senior Class Book E. J. Schmidt, Editor
P. J. Eickenberg, Business Manager
1912 Senior Class Book P. W. Evans, Editor
E. P. Roleson, Business Manager
1913 The Cycle E. A. Menke, Editor
F. W. Hook, Business Manager
1914 The Cycle E.W. Porter, Editor
C. A. Knuepfer, Business Manager
1915 The Cycle L. J. McHugh, Editor
H. A. Rook, Business Manager
1916 The Cycle L. A. King, Editor
L. E. Starkel, Business Manager
1917 The Cycle H. D. Stevers, Editor
L. O. Weiss, Business Manager
1918 The Cycle W. G. Mendius, Editor
R. O. Joslyn, Business Manager
1919 The Cycle E. C. Cook, Editor
W. J. Chapin, Business Manager
1920 The Cycle L. S. Maranz, Editor
C. T. Walter, Business Manager
1921 The Cycle J. W. McCaffrey, Editor
J. A. Corydon, Business Manager
1922 The Cycle M. C. Nutt, Editor
J. V. Lizars, Business Manager
1923 The Cycle C. A. Stiehl, Editor
G. P. Ruddiman, Business Manager
1924 The Cycle A. A. Anderson, Editor
H. P. Whitehill, Business Manager
1925 The Cycle D. R. Stiehl, Editor
E. H. Marhoefer, Jr., Business Manager
1926 The Cycle M. T. Goetz, Editor
W. F. Kuffel, Business Manager
1927 The Cycle M. H. Lamm, Editor
E. B. Kapke, Business Manager
1928 The Cycle K. H. Parker, Editor
C. D. Lamb, Business Manager
1929 The Cycle B. W. Hindman, Editor
E. P. Boynton, Business Manager
1930 The Cycle P. E. Heath, Editor
R. N. Wilson, Business Manager
1931 The Cycle A. H. Jens, Editor
E. A. Scanlan, Jr., Business Manager

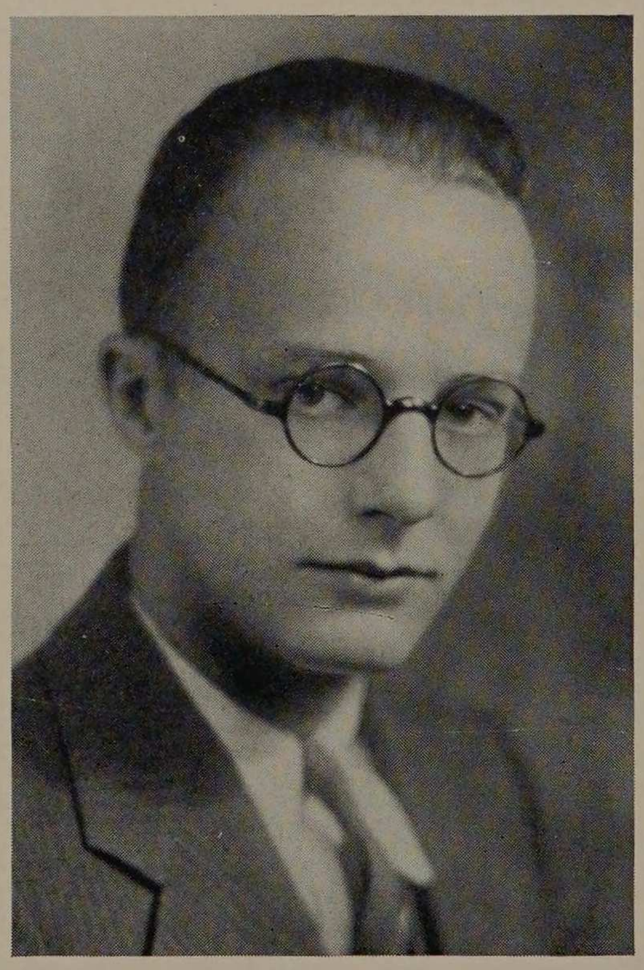
THE ARMOUR ENGINEER

For twenty-two years the *Armour Engineer* has been the technical publication of the Institute. In those twenty-two years it has progressed until now it stands as one of the oldest and best of the engineering school magazines in the country. The efforts of men from twenty - two classes of Armour students have brought about the final product of which the school should be proud. Within the last decade the *Armour Engineer* became a member of the Engineering College Magazines Associated, an organization which now contains twenty-five engineering publications of the leading technical schools in the country. At the annual convention of the association held last October at Boulder, Colorado, the *Armour Engineer* received the following words of praise from the chairman: "The *Armour Engineer* is a publication that sits mighty near, if not on, the top of the E.C.M.A. ladder. Let me say that it will be the realization of one of my ideals when all E.C.M.A. magazines look as well as Armour."

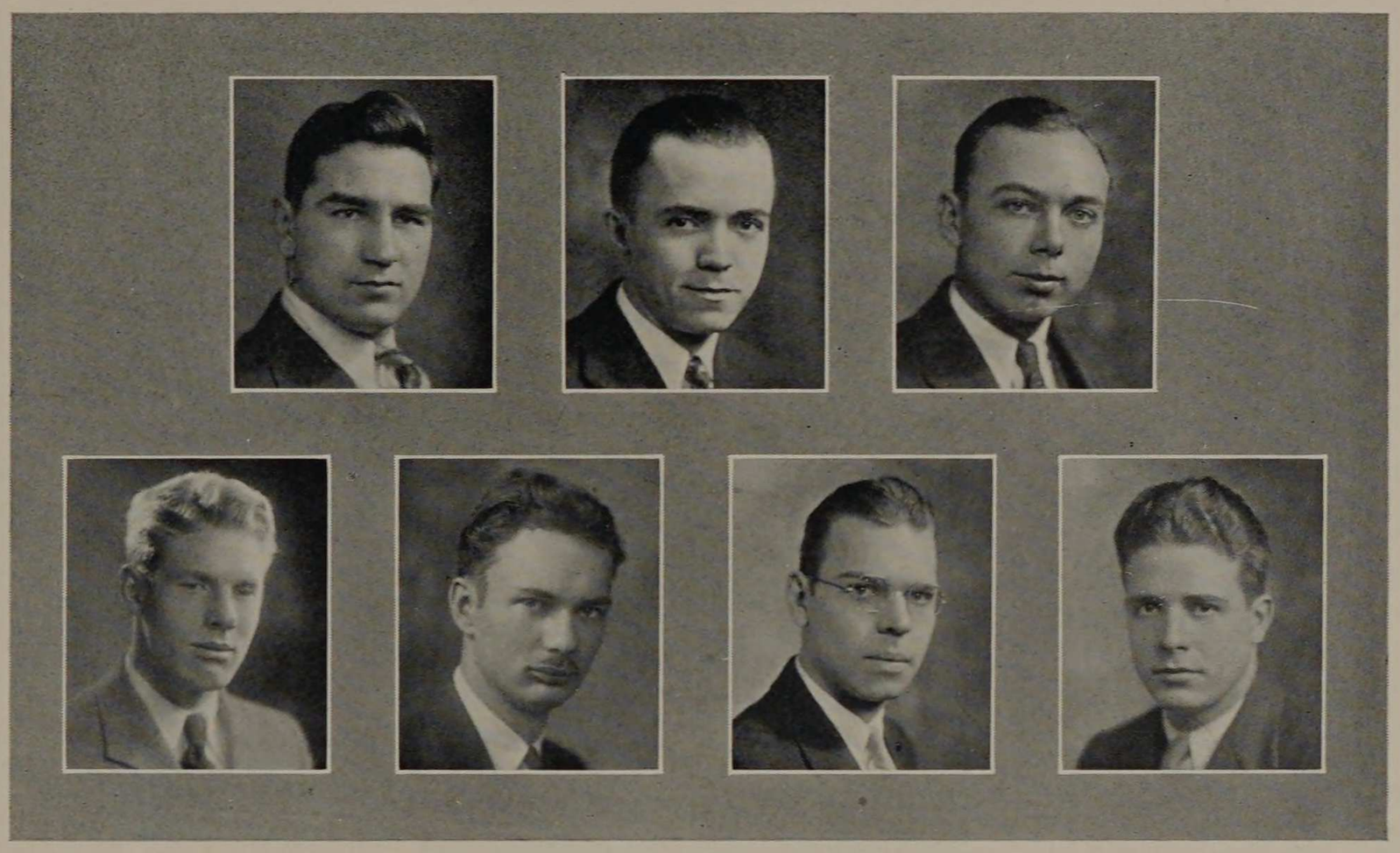


A. J. Lenke

In the past year an attempt was made to make the feature articles varied enough so that they would be of interest to everyone. In each issue it was endeavored to include some general subject — even though it was remote from the engineering field—in order to give the magazine greater appeal. Special care was employed in selecting items for the Engineering News section to include interesting facts for all the readers. The department of College Notes was edited with the idea in mind that only a record of the more important features of the daily life of the students be included, but that these items be comprehensive, interesting, and of news value. The Alumni section has presented news of vital interest to our graduates.



J. H. Stranberg



Krause, Link, Murphy
Jens, Kellner, Guyot, Holt.

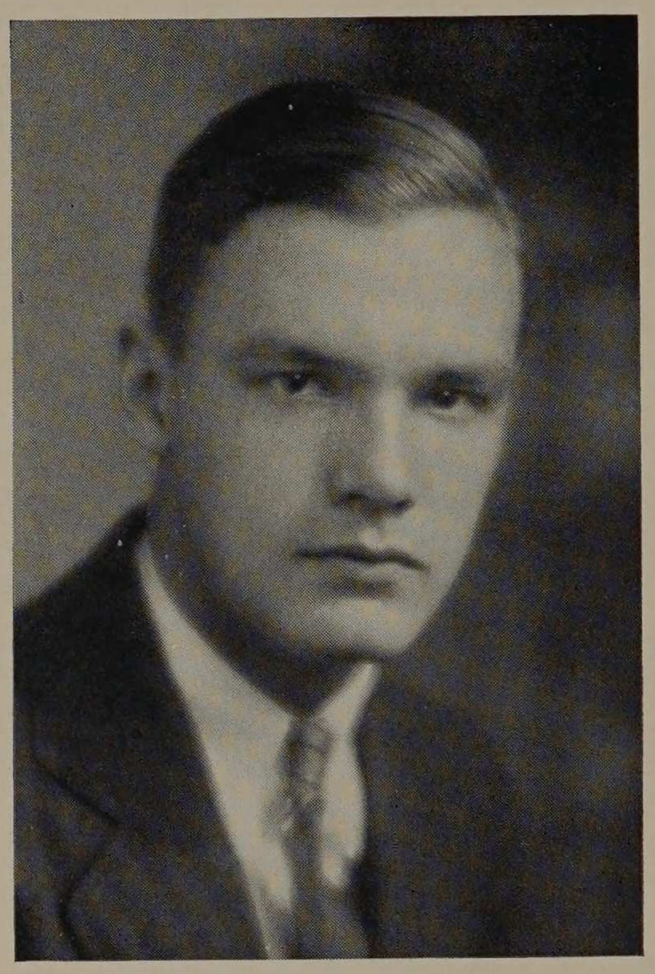
ENGINEER STAFF

A. J. Lenke ..... Editor
C. T. Link, Jr ..... Associate Editor
H. S. Holt ..... Articles Editor
C. J. Jens, Jr ..... Local Editor
R. M. Krause ..... Engineering News
J. H. Stranberg ..... Business Manager

Holland, Grey, Winegar, Schodde
Milevsky, Kreisman, Sanchez, Regnery, Stempkowski, Berger.
Cannon, Miran, Fagen, Beal, Viel, Murphy.

THE ARMOUR TECH NEWS

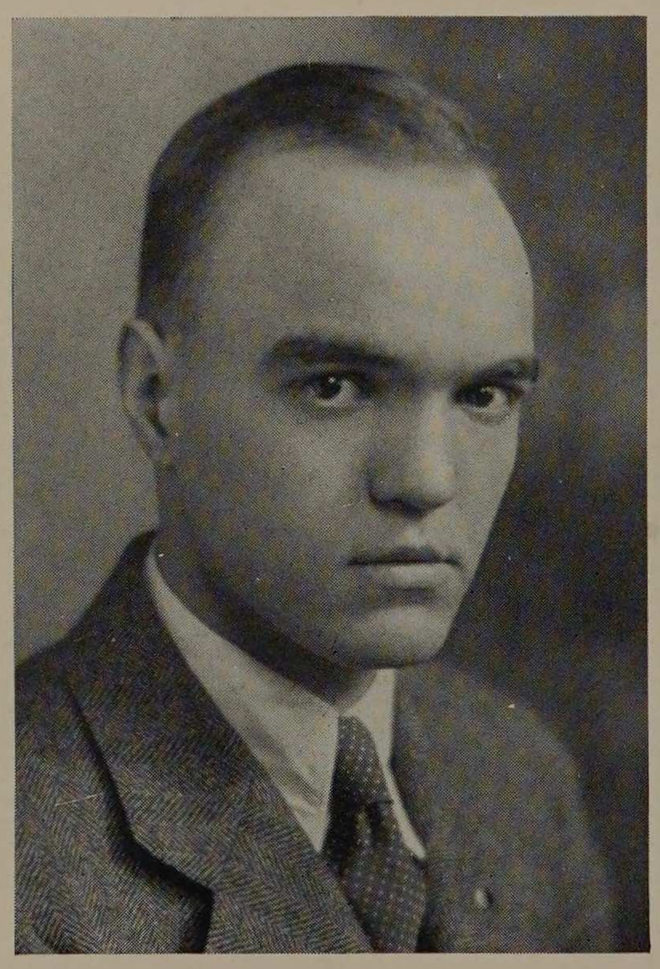
Each year of the three years' existence of the Armour Tech News as a weekly student publication has seen great strides made in its development. The first year, under the editorship of John Hommes, saw the establishment of the weekly paper as a vital part of the student life and the overcoming of the objections which the opposers to its foundation had supported.



F. B. Attwood

The second year, under the leadership of David Smith, saw the paper permanently increased to its present six column size. Recognition was given by the officials of the Institute, and the paper was now termed the "Official Student Newspaper."

The third year, which is now coming to a close, has seen a change in policy which makes the permanence of the paper assured. Formerly a subscription drive was conducted the first part of each semester to which about sixty per cent of the student body responded. Under the editorship of Fred Attwood, the staff succeeded in having the student body adopt a plan of one hundred per cent subscription. This plan, which is used in almost all colleges, makes every student at the Institute a subscriber to the Armour Tech News at the time of registration. This plan not only brings a larger income through the increase in paid subscribers, but also makes it possible to obtain more advertising because of the increased circulation.



F. W. Spalding

Another advance made in the past year was the cooperation of the Tech News with other college newspapers in Chicago in the development of the Chicago Association of College Newspapers. If the future records show such accomplishments at the end of each year as have been shown in the past three years, who can say what the "Official Student Newspaper" will be like in—say 1941?

Strassenburg, Wilde, Jens, Auerbach, Knittel, Jordan
Carlton, Richter, Rudolph, Seidelmann, Schinke, McCall

ARMOUR TECH NEWS

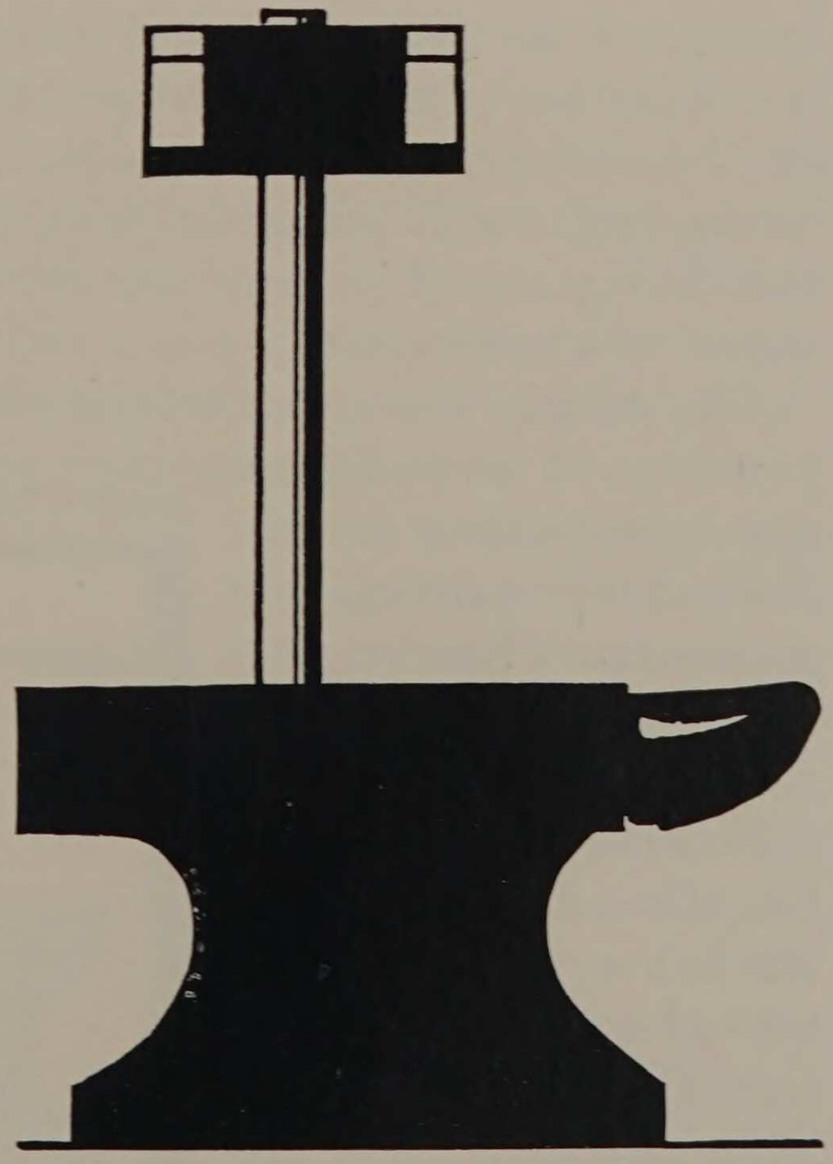
MANAGING BOARD

Fred B. Attwood ..... Editor-in-Chief
Arthur H. Jens ..... Managing Editor
Alvin B. Auerbach ..... Managing Editor
Frank W. Spalding ..... Business Manager
Professor Walter Hendricks ..... Faculty Advisor

STAFF

Wilbur H. Rudolf ..... News Editor
Edward W. Carlton ..... Copy Editor
Harry P. Richter ..... Sports Editor
Frank F. Strassenburg ..... Feature Editor
Philip Jordan ..... Columnist
Max J. Schinke ..... Make-up Editor
Albert F. Wilde ..... Circulation Manager
James S. McCall ..... Mailing Circulation Manager

Bengtson, Weston, Peavey, Fishman, Stempkowski, Scanlan, Jackson, Dirkers, Wilkie, Dufour, Krol, Scheyer, Ustryski, Barnett, Bonvallet.
Jordan, Gibson, Rychlik, Leavitt, Nelson, Juvinall, Winogrond, Paine, Bonnell, Kenner, Bodinson, McGuan, Landwer, Fagen, Eberth.



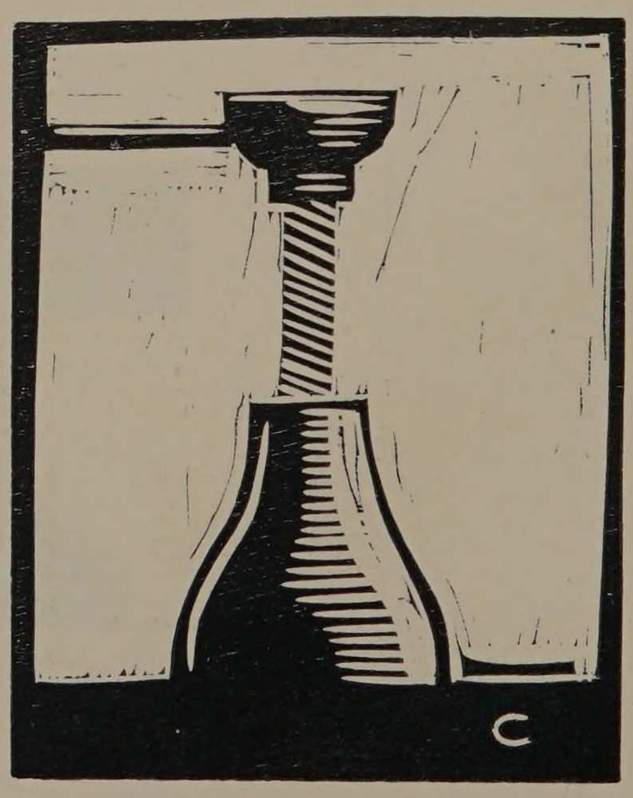
ENGINEERING SOCIETIES

AMERICAN SOCIETY OF MECHANICAL ENGINEERS

This year, the Armour Branch of the American Society of Mechanical Engineers has been particularly successful in offering the members of the society the opportunity for personal contact with some of the outstanding men engaged in the engineering profession, and in promoting a spirit of good fellowship among its members. A large measure of this success has been due to the enthusiasm of the members and the hearty cooperation of the members of the faculty. By having regular bi-monthly meetings, the society was able to retain the interest of its members.

C. T. Link

The society has been fortunate the past year in securing as speakers men quite prominent in the field of mechanical engineering. These engineers showed how the various problems and difficulties that are continually arising in their work are solved. This seemed to emphasize the fact that it is the one who can surmount all difficulties who finally becomes the successful engineer.



A very interesting talk was given at the second meeting by Mr. E. O. Oelerking on the Chicago Daily News Building. He explained the many engineering difficulties encountered in the erection of this building and the ingenious methods by which these troubles were overcome.

On November 6th, Mr. R. C. Yeamans spoke on the use of hydraulic engineering in the making of sand fills. The lecture was illustrated by pictures of all the fills made for the new Outer Drive.

On November 21st, the society was successful in securing a representative of the Standard Oil Company who delivered a comprehensive talk on motor oils, the talk being accompanied by motion pictures showing in detail the method of distilling and testing the various kinds of oils.

In December, Mr. C. B. Cole, President of the Chicago Division of the American Society of Mechanical Engineers,

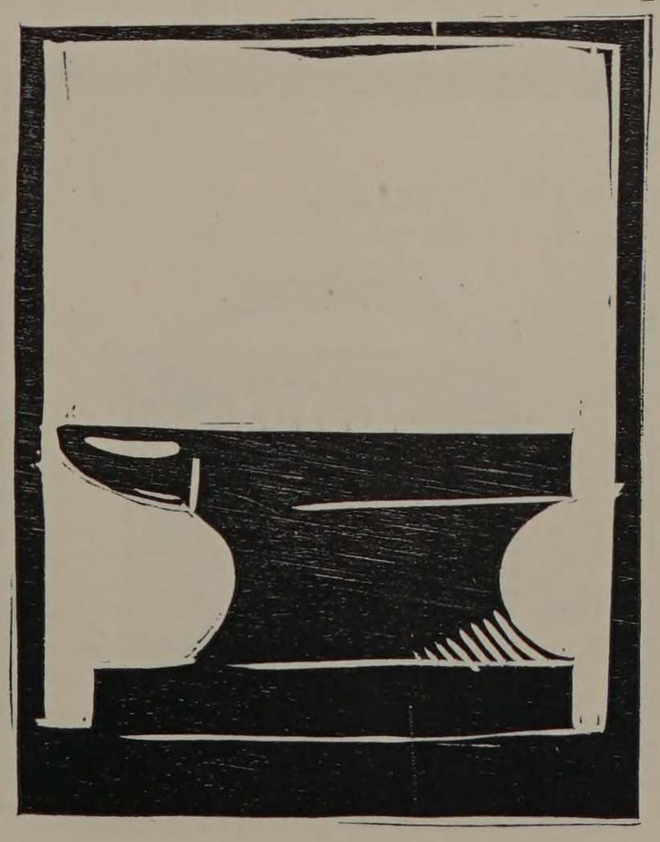
Weis, Seiferth, Hartbauer, Longwell, Davis, Peters, Sadlak, O'Conor, Denning.
Newton, Pilgrim, Abazoris, Hartanov, Davisson, Schoen, Schiff, Stevenson, Collins, Johnson, Fox, Walker, Wieland, Ustryski, Cannon, DeOrio, Schramm.
Colcord, Novotny, Bogot, Beattie, Sandberg, Tibbits, Hawes, Borrowdale, Czernecki, Hess, Cornwell, Otto, Graham, Chun, Cannell, Hostetter, Zvonecek.
Strassenburg, Krause, Link, Munch, Libby, Roesch, Huntly, Peebles, Gebhardt, Nachman, Perry, Hammond, McCall, Bengtson, Huenger, Lamka, Meehan.

gave a talk on "Aviation", in which he pointed out the varied applications of the principles of mechanical engineering in this field.

During this month, Dr. Scherger gave an illustrated talk on the ancient engineering feats. When one stops to consider the great engineering problems that had to be solved before the pyramids could be built, he is forced to admire the ability of the early Egyptians.

The society played an active part in the Midwest Power Conference held at the Stevens Hotel, during the week of February 9th. Here, the members became acquainted with some of the foremost engineers in the country.

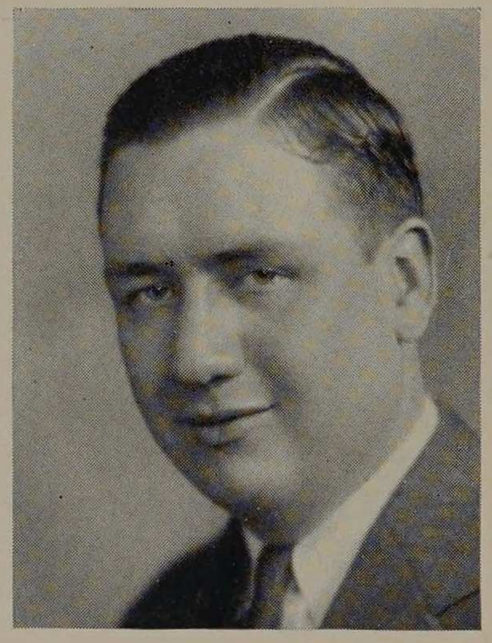
The first smoker was held on November 21st, at the Theta Xi House. At the smoker, the student and the professor came into closer and more friendly contact, while the bonds of comradeship between the members were strengthened. The members were entertained by the pledges of Pi Tau Sigma. Officers—Charles T. Link, president; Richard H. Stevenson, vice-president; Robert M. Krause, secretary; Frank F. Strassenburg, treasurer; Professor Daniel Roesch, honorary chairman.



AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

The Armour Branch of the American Institute of Electrical Engineers has just completed a most successful year in its promotion of electrical engineering, both technically and practically, among its members. Membership included, not only one hundred per cent of the juniors and seniors, but a large number of sophomores as well. Meetings have been held on every other Monday. Through the efforts of the chairman, many interesting and well-known speakers have addressed the organization.

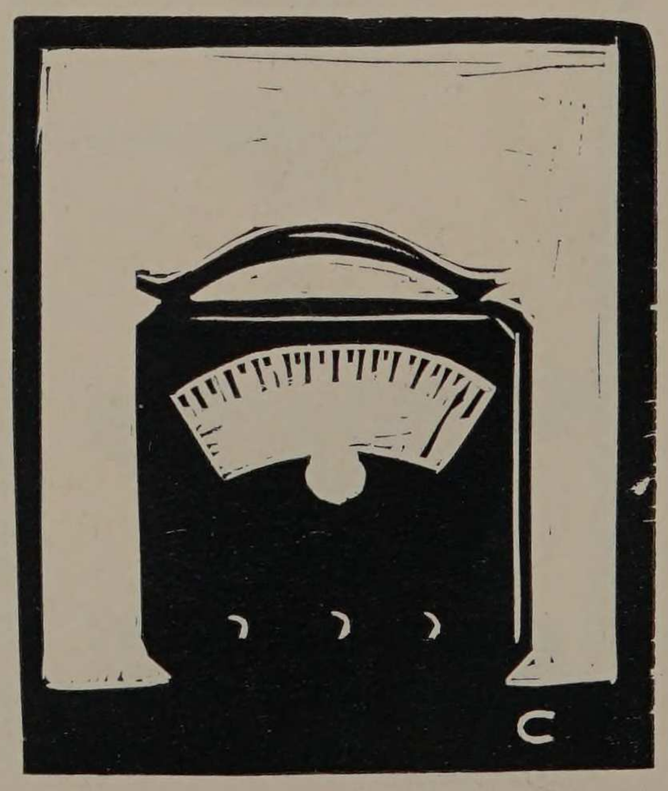
On October 20, the first meeting of the year, Mr. J. T. Hawley, Chief Electrical Engineer of the Chicago Sanitary District, spoke on "Engineering Projects of the Sanitary District." In his talk Mr. Hawley cleared up many hazy points with regard to the operation of the District.



K. A. Knittel

On November 17, Mr. W. P. Hilliard of the Chicago Police Department, Radio Division, addressed a joint meeting with the Armour Radio Association on "Radio as an Aid to Police." Mr. Hilliard brought a standard squad car installation with him. By actual demonstration, he laid out a clear picture of the engineering problems and advantages of the police radio system.

"Industrial Electric Heating" was the subject of an address at the December 15th meeting, presented by L. J. Ericsson of the General Electric Company, A.I.T. '28. Mr. Ericsson brought out many interesting facts concerning this great new field. The varied applications and future possibilities were stressed by him. After this talk, some of the ambitious electricals have started to work on a plan for the production of synthetic diamonds on a commercial scale. Who knows what will be the result of the ambitions awakened by this talk?



The all-important subject of "Illumination" constituted the program of the January 12th meeting. Mr. O. P. Cleaver, of the Westinghouse Electric Com-

Davidson, Hirsch, Nebel, Milevsky, Drigot, Van Osdol, Jost, Bonvallet, Sherk, Filmer, Schinke, Ryon, Michalski, Fox, Rowe, Job, Reber, Meuret, Abendroth, Lane, Korrell, Sandstrom.

Weston, Cohan, Rychlik, Dunham, Minnick, Fetterman, Stranberg, Schohl, Knocke, Pamler, Patzelt, O'Connor, Penfold, Lukey, Squires, Schrader, Kreibich, Murphy, Knittel.

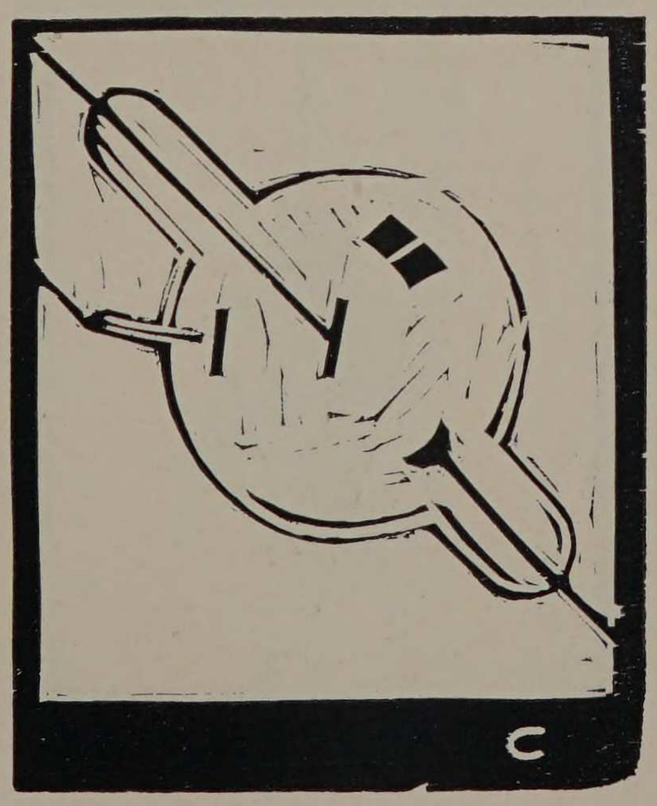
Blahna, McGill, Breh, Lange, Bowman, Poetzl, Peterson, Wilson, Fagen, Dumser, Kaiser, Sanchez, Carlton, Frye, Stehno, Griffin, Stocklin, Kellner.

Beale, Krahl, Matheson, Dickey, Feinberg, Hulswit, Ebeath, Juvinail, De Orio, Trzyna, Moskovitz, Draus, Warner, Abramson, Miccucio, Wegner, Richter, Grosser.

pany, gave a very enlightening talk, bringing out vital points concerning present-day lighting. Not until after the talk did the younger members realize that illumination was so closely related to economics. The variety of applications of illumination in the production of grand opera, in the movie tone, in factory operations, in the street and in other places too numerous to mention makes one realize that this is a large field for the engineer who appreciates an opportunity to make things beautiful as well as useful.

Many programs composed of excellent talks by junior and senior students occupied the remainder of the school year.

The fall smoker, held December 10th at the Sigma Kappa Delta House, afforded a real opportunity to relax and get acquainted. The entertainment was furnished by a miniature stresses and strains band, led by Ed Stehno, varsity baseball pitcher.



Officers — Kilian A. Knittel, chairman; Robert L. Van Osdol, vice chairman; Emerson G. Squires, secretary; Richard B. Kellner, treasurer; Professor Donald E. Richardson, counselor.

WESTERN SOCIETY OF ENGINEERS

The Armour Branch of the Western Society of Engineers was founded in 1919 for the purpose of bringing the students of the civil engineering department in closer contact with men engaged in the engineering profession.

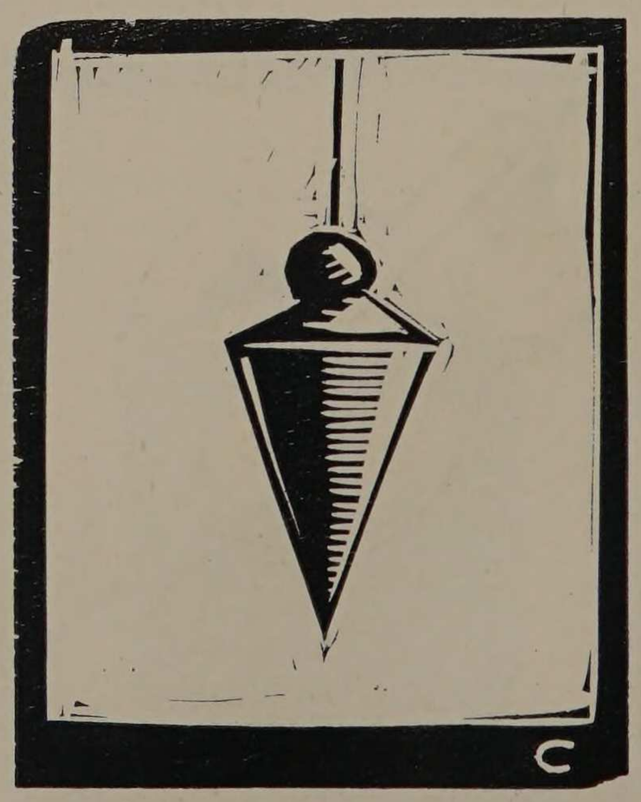
T. A. Woods

This year the officers have endeavored to arrange the program so that there would be continuity in the topics that were delivered by the speakers. The subject of transportation covered waterways, railways, highways, and airways; steel design included the design and fabrication of buildings and bridges; sanitation and hydraulics comprised sewerage, water supply, river work, and dams.

The members of the society have been very fortunate in hearing and meeting men of prominence in the civil engineering field. The meetings, held bi-monthly, have been heartily supported by the sophomore, junior, and senior civil engineers, while there has been even quite a number from the other departments, who were cordially welcomed.

On October 16th was held one of the outstanding inspection trips of the year when the junior and senior civils, in conjunction with the Western Society of Engineers, examined the grade separation project at 16th and Canal Streets. The project, the elevation of the Baltimore and Ohio, the Chicago and Northwestern, and the St. Charles Airline over the Pennsylvania and the Burlington tracks, involved many complicated structures, which were explained in detail.

Mr. C. A. Morse, former Chief Engineer of the Rock Island Railway, gave some of his experiences as a railroad engineer. He emphasized the well-known truth that he became successful as an engineer a man must place engineering achievement ahead of money. Every man, at some time or other, receives an opportunity and it is up to him to make the most of it.



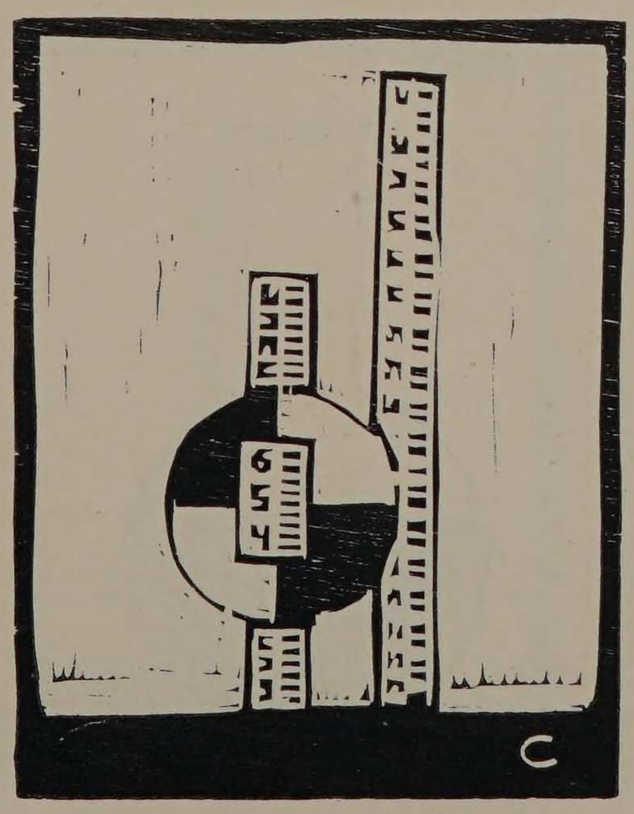
At the meeting on November 7th, the society was fortunate to secure Mr. K. A. Kennedy of the Boeing School of Aeronautics, an authority in the field of aviation, who discussed the life and train-

Richter, Heckmiller, Rossing, Rudolph, Robin, Meagher, Brolman, Hromada, Larsen, Lindquist, Wyant, Kolar, Knutson, Koch, Ladzinski.
Erickson, Wierzbowski, Wiltrakis, Kantner, Morowitz, Nelson, Homberger, Ficarratto, Gross, Hellsen, Berger, Dicke, Johnson, Fox, Eskonen, Zacher, Westerberg.
Wernicke, Lopatowski, Miller, Windbigler, McLaughlin, McKana, Ensz, Penn, Wells, Woods, Jordan, Santina, Auerbach, Rutkowski, Iverson, Morgan, Setterberg.

ing of a pilot. His talk was illustrated by movie pictures taken at the Boeing School.

Mr. W. M. Smith, assistant chief engineer of the Illinois Division of Waterways, with the aid of colored slides, gave a brief explanation of the engineering problem encountered along the waterway of the upper Illinois River. He also described the construction and maintenance of the modern canal locks.

On December 4th, Mr. T. Wolfe, district manager of the N.A.T. lines, traced the development of transportation from the earliest crude form to the latest attempts of Fritz Opel's propulsion by means of expanding gases.



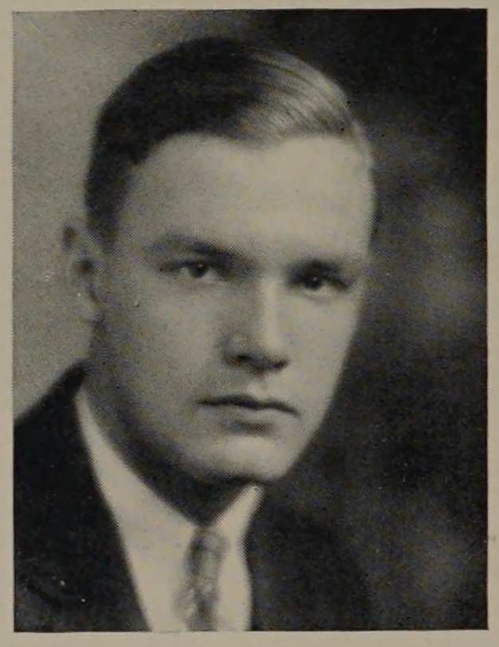
Mr. Henry Penn, former professor in the civil department at Armour, showed by means of moving pictures how the construction work of a large building was scheduled, and how this schedule was closely followed so that the work would progress as it was planned.

On November 7th, the fall smoker was held at the Sigma Kappa Delta House.

Officers—Thomas A. Woods, President; Philip Jordan, Vice-President; Bert S. Lindquist, Secretary; William J. Santina, Asst. Secretary; Roscoe H. Windbigler, Treasurer; Karl E. W. Hellsen, Student Representative; Professor M. B. Wells, Faculty Adviser.

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

Beta Chapter of the American Institute of Chemical Engineers has been quite successful this year in presenting to the students in chemical engineering some of the outstanding men in the field of chemistry and chemical engineering. The meetings, held monthly, have been very interesting and instructive, and have received the whole-hearted support of the sophomore, junior, and senior classes.

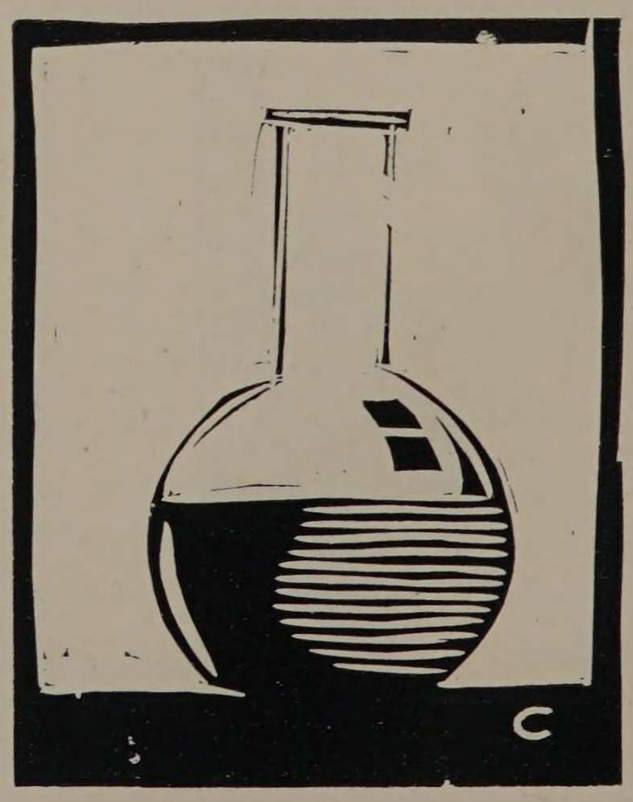


F. B. Attwood

With the many offers of aid by those now engaged in the vast and varied field of chemical practices in this metropolitan area, the problem of subjects for meetings arose from the very wealth of material. The topics selected were those which had a wide range of appeal to those who are now preparing to enter an unknown sector of the chemical frontier.

The first meeting of the school year was spent in the election of officers and the planning of the year's program. The first speaker, Dr. Bartow, of the University of Iowa, Chairman of the Advisory Committee on Student Chapters of the American Institute of Chemical Engineers, gave a timely talk upon the relationship between the student chapter and the parent organization, and of the methods of bringing the two closer together. After his talk, Dr. Bartow showed an exhibition of slides taken during his recent trip to the Orient, where he attended the World Engineering Congress held in China.

On December 15th, Mr. Wilson of the Standard Oil Company gave an interesting talk on "The Mechanism of Lubrication," in which he discussed the various factors of lubrication.



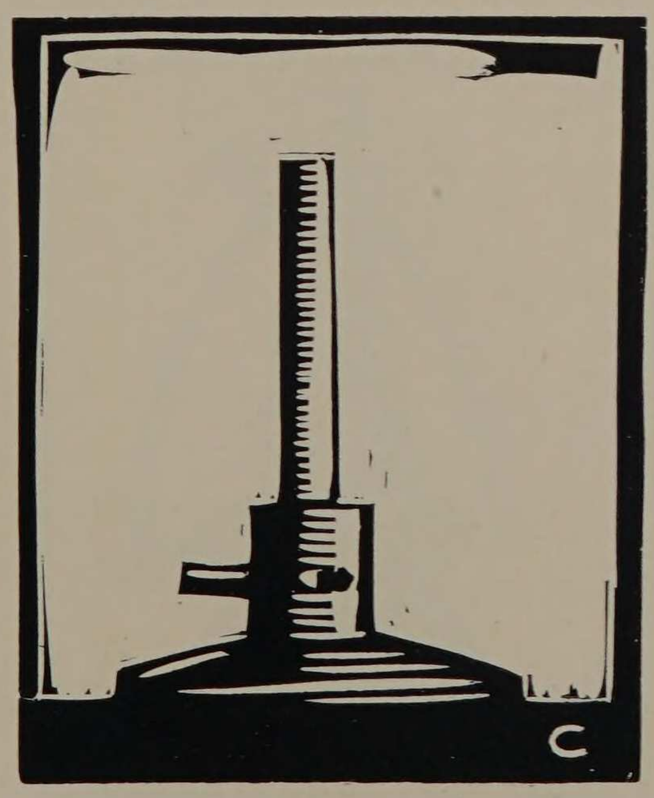
The meetings of the year have served to show the young chemists a few of the ramifications of one of the oldest of the applied sciences, for historical records prove that the early research engineers were chemists even though we now generally refer to them as alchemists. Even today this research

Berger, Blom, Field, Spawn, Hodgson, Hackley, Paine, Viel, Guyot, Lehman, Stamberg, Fiala, Long, Lind, Venema, Winogrond, Leavitt, Winegar.
Ratner, Hruska, Fishman, Forte, Galvani, Bestler, Shaver, Ream, Yzaguirre, Rimmke, Aukers, Bailey, Thompson, Johannisson, Ollison, Booth, Luckerman.
Cavanagh, Casper, Helmick, Moline, Barnett, Hollmann, Miller, Linnell, Latham, Attwood, Stockmann, Montesano, Marker, Podlipec, Holland, Firguson, Melcarek, Schofield.

spirit is emphasized at every turn, and the possibilities of further development of substitute products leaves every true chemical engineer with the feeling that much still remains to be accomplished in the chemical industries.

The customary departmental smoker was held on April 17th at the Sigma Kappa Delta house. Here, the trials of an embryo chemist were forgotten for the evening, amidst the smoke and cards, as he did not have to get out his Orsat apparatus to make a determination of the nicotine and tar contents of the atmosphere which surrounded him.

During the past year, there has been very keen competition for the Schmier - Kemiker medal, which is the the official trophy of the organization. It consists of a sheet of cardboard neatly decorated with the replica of a broken flask, suitably engraved and attached with a safety pin. This distinctive and well-known medal is awarded to the "Chemical" who manages to produce a violent explosion or performs his experiment in a particularly sloppy manner. Space is provided for the name of recipient.



Officers—Fred B. Attwood, President; Gervase J. Stockmann, Vice-President; Harold J. Latham, Treasurer; Orville G. Linnell, Secretary.

FIRE PROTECTION ENGINEERING SOCIETY

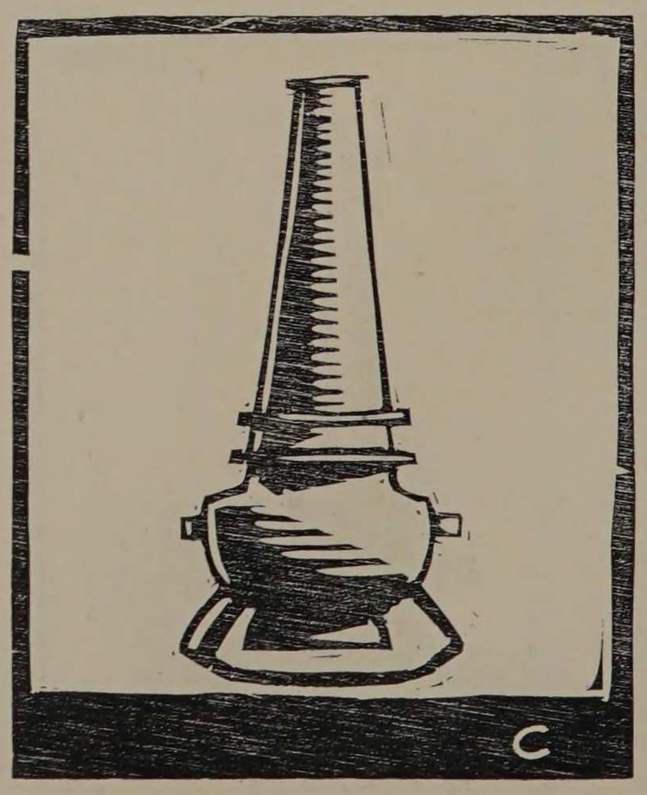
This year, the Fire Protection Engineering Society has accomplished its primary objects of furthering the interests of its members by offering them the opportunity to become acquainted with some of the prominent men now at work in this field, and of promoting the feeling of fellowship among the students of the Fire Protection Engineering course.

A. F. Wilde

Especially are the view-points of practicing engineers of great value to those preparing to enter this field. Fire protection is one of the newer engineering professions, as the problem of the reduction of the large losses by fire that occur annually is one that has not been regarded as capable of solution until comparatively recent years. The reduction of the fire hazard in the various forms in which it appears in practice requires careful study and intelligent application of the various methods of protection.

The meetings of the society were held bi-monthly. At these meetings, the speakers presented some of the difficulties that arose in fire protection and fire fighting, and the methods by which these difficulties were overcome.

Mr. R. Plant, chief engineer of the Fire Prevention Bureau for the past sixteen years, was the speaker at the meeting held on October 24th. He spoke on building construction from the viewpoint of fire protection, and emphasized the danger of long vertical shafts as a means of carrying fire from one floor to another. In conclusion, he related several interesting stories about some of the more important fires that have occurred in Chicago.

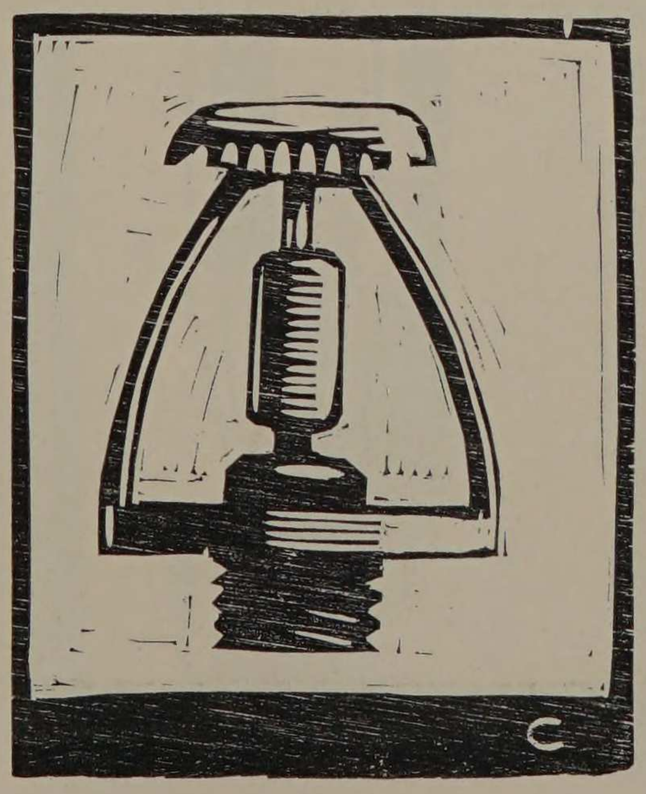


On November 7th, Mr. H. C. Melville of the North American Insurance Co. gave a talk on "Marine Insurance" that presented the rather unusual applications of fire prevention to ocean liners and other ships, and the factors determining the rates in ocean insurance. Mr. Melville's first talk prov-

Knox, Westerman, Jens, Kutteruf, Steinhaus, Austin, Griesman, Langhammer, Staib, Miran, Holt, Schueler, Pearson, Jackson, Duncan, Lenke, Schodde.
Larkin, Ellis, Belford, Meyer, Pechman, Carlstrom, Larson, Sorensen, Curran, Gura, Becker, Hill, Finnegan, Tilt, Stalzer, Arends, Jens.
Clanton, Eddy, Spalding, Timmermans, James, Brown, Seidelmann, Kesselring, Berglund, Davisan, Kenner, Weldon, Winkler, Ott, Erland, Wilde, Wilson.

ed to be so popular that he was requested to speak at the next meeting on November 21st. At this meeting he laid particular stress on the method of determining insurance rates on motor bus and trucking transportation.

In addition to the regular meetings, some of the members held a debate on the question as to the desirability of admitting to the attention of the membership the latest recruit to the fire fighting forces — that ever alert photo-electric cell that automatically turns on the water when a fire starts. It was argued that this device would give rise to more technological unemployment. The argument ended without an official vote, so the results are unknown.

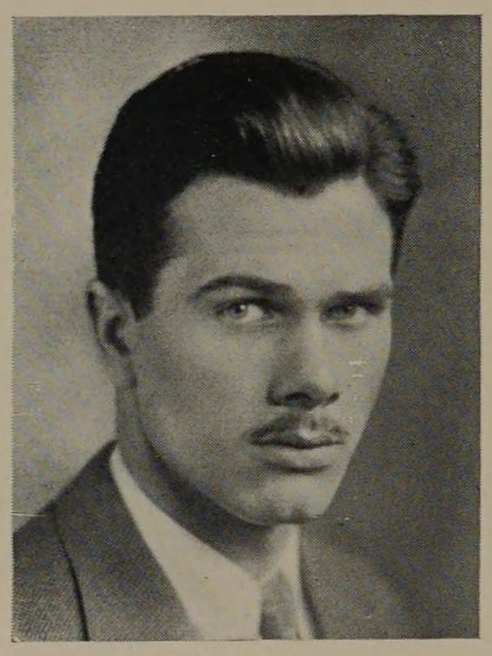


The Fire Protects did not strictly follow the practices of their profession at the annual smoker held in the spring. At this session, a study was made of the best method of handling fires which occur in small quantities of slow burning material which emits fumes, while the various members spent their time playing bridge and exchanging experiences. The presence of gaming tables and stage money presented a Monte Carlo atmosphere.

Officers — Albert F. Wilde, President; Arthur H. Jens, Vice-President; Walter M. Miran, Secretary; Maxwell C. Larkin, Treasurer.

ARMOUR ARCHITECTURAL SOCIETY

Although unlike other societies at Armour Institute, and following a path of its own design, the Armour Architectural Society has succeeded in keeping on its roll those school members who wander about on two campuses. Even with their endeavors to propitiate favor with the muse of their selected art, they are frequently reminded that architectural expression depends chiefly upon masses of material which extend in three dimensions.

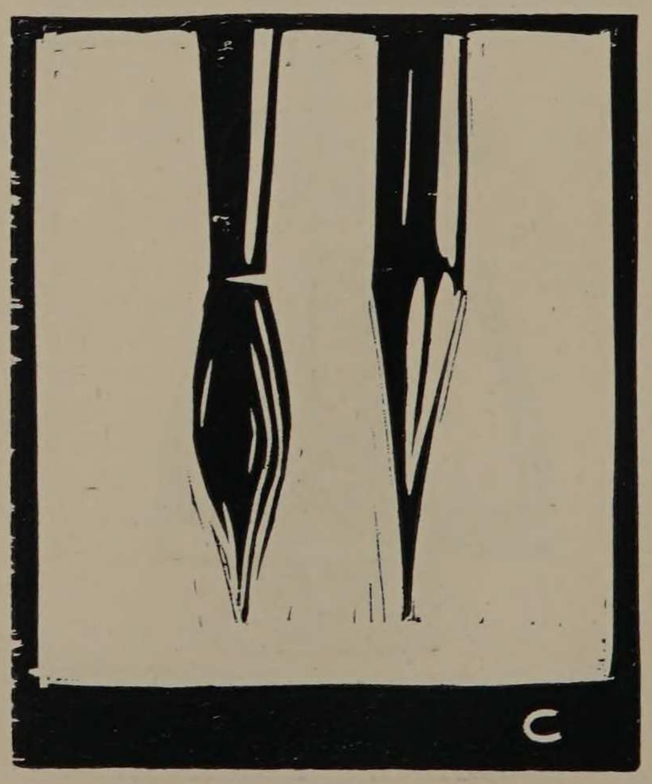


F. D. Chapman

Members of the architectural department are furnished with the needed inspiration by the galleries of the Art Institute and the outstanding architectural masterpieces located in the heart of Chicago. An occasional meeting, however, is required to allow the function of fellowship to have its reign.

The Burnham Library, a very remarkable library on architectural subjects, has been of great benefit to the architectural students. The books in the library are some of the most valuable books there are on the subject, and cover all of the ancient ideas in architecture. Of the many attractions of the library may be included the two librarians, Miss Rawls and Miss Saunders, who are always ready and willing to help any architect in need of aid.

Prints and replicas of the architectural masterpieces or parts thereof are accessible for the individual sessions of each member. He may adapt the session to his convenience, and his inclinations and aspirations. This is an opportunity which does not exist for the members of the other societies. With the establishment of industrial and engineering museums, however, the members of the engineering societies will have a similar opportunity of studying first hand, outstanding engineering constructions handed down to posterity by pioneers.

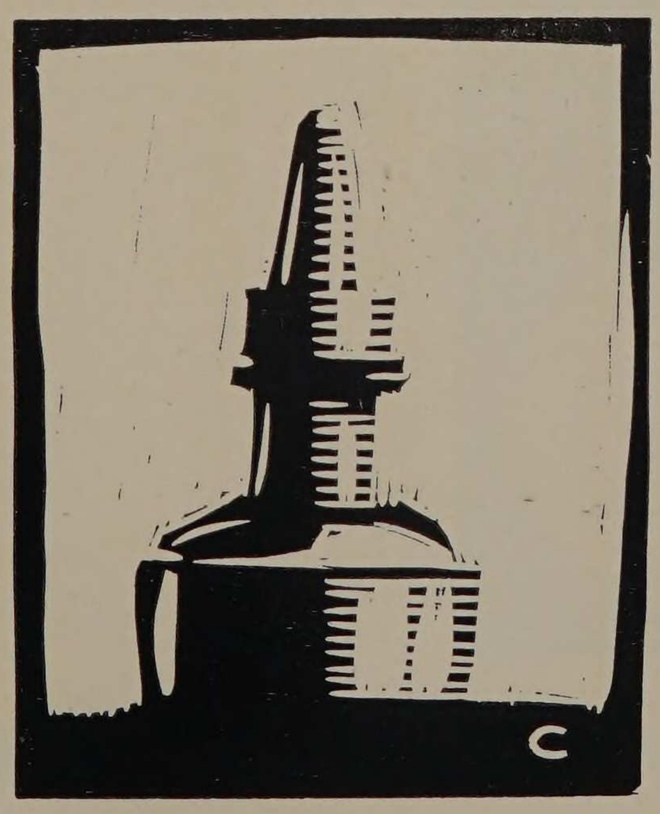


The Armour Architectural Society was founded to foster the spirit of cooperation and idealism, and encourage a greater interest in all phases of the architectural profession. In no other department do the professors and students work more closely together for their mu-

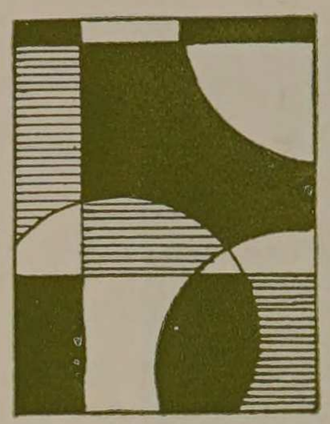
McKenna, Poe, Scafuri, Plhak, Sommer, Vallette, Anderson, Davies, Prevar.
Palma, Navratil, Tonsager, Peterson, Sugarman, Braun, Lindblad, Nelson, Dutt.

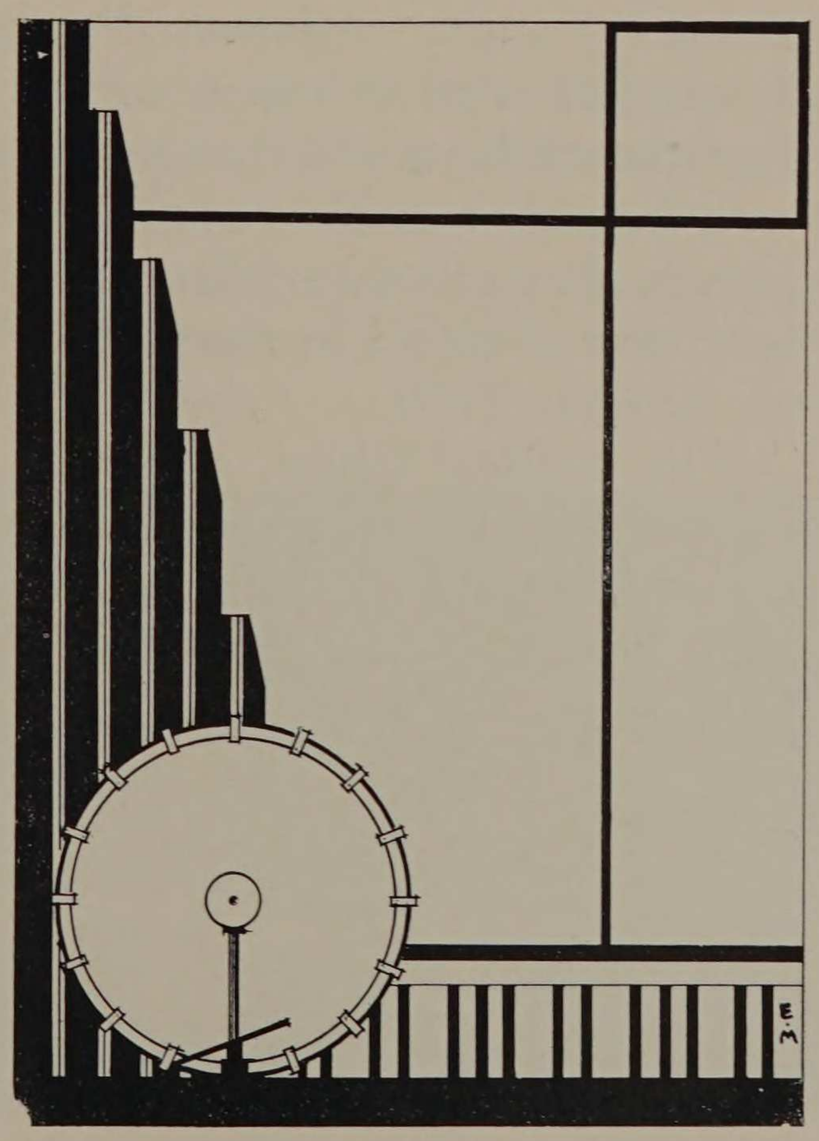
tual betterment, and advancement. This relationship tends to have a great influence on their social life.

According to the well-established custom, the year's activities of the society were climaxed by the annual initiation banquet held during the spring. This affair was in charge of the junior architectural students, who, feeling the responsibility of their position, devoted their efforts in the great work before them. The morning was devoted to an inspection trip, during which time the city of Chicago was permitted to view the neophites. During this trip, the freshmen gave extemporaneous talks on such live topics of the day, as, "Should Chicago Have Another Great Fire." After being hotly pursued by the Chicago Police Department, they returned to the Art Institute. After this, the freshmen were given certain problems to draw in Grant Park, where amid cheers and suggestions of the spectators, they attempted to do this nearly impossible task. The entire afternoon was spent in impressing the freshmen architects of their insignificance and unimportance by means of a great number of paddles properly applied, and by assigning trivial tasks, such as cleaning the teeth of the lions in front of the Art Institute with a mere tooth brush, to each unfortunate freshman. Those who somehow survived the ordeal were initiated into the society.



Officers — F. D. Chapman, Massier; E. J. Minx, Sou Massier.





MUSICAL ORGANIZATIONS

ARMOUR TECH MUSICAL CLUBS

For the purpose of creating a finer appreciation and a broader interpretation, the various musical clubs at Armour organized in 1922 into a single group to be known as Armour Tech Musical Clubs. As an inducement towards this end they later established Pi Nu Epsilon as an honorary musical fraternity, thereby adding the spice and competition that is the boon to any organization's existence.

W. A. Schrader

This body, under the leadership of its governing officers and our esteemed Faculty Advisor, Professor Leigh, has tried this year to put before the students and the city at large well balanced and praiseworthy groups that can be recognized along with our athletic teams as products of Armour Tech.

The Musical Clubs, of which the Glee Club, Orchestra, and Stresses and Strains are constituents, staged two remarkable concerts during the past year. The first was the Christmas Concert, held during the first semester, and the second was the Annual Home Concert held during the second semester.

An oboe solo and a baritone solo were the features of the Christmas Concert, in addition to an organ solo. The latter involved the playing of the Assembly Hall organ for a regular assembly for the first time in many years.

Each club presented an interesting program in keeping with the prevailing holiday spirit. Christmas carols by the Glee Club, a medley of Christmas numbers by the Orchestra, and a group of snappy pieces by the Stresses and Strains were the main factors of the club programs.

The Annual Home Concert proved to be as entertaining and as fine as any previously given concert. The Glee Club sang a selection of three songs and were enjoined to sing as an encore "On The Road To Mandalay." Stresses and Strains and the Orchestra both played a program of four numbers. These with the novelty numbers, and the interfraternity sing were deeply enjoyed by all.

OFFICERS

W. A. Schrader	President
F. O'Conor	Vice-President
E. W. Carlton	Manager
F. F. Strassenburg	Secretary
A. Weston	Treasurer

ORCHESTRA

Life at Armour would not seem complete without the inspiration and entertainment that the orchestra provides. The steadily growing interest that each year is shown by these hopeful engineers in the so-called extra-curriculum functions of this organization add to its life and usefulness.

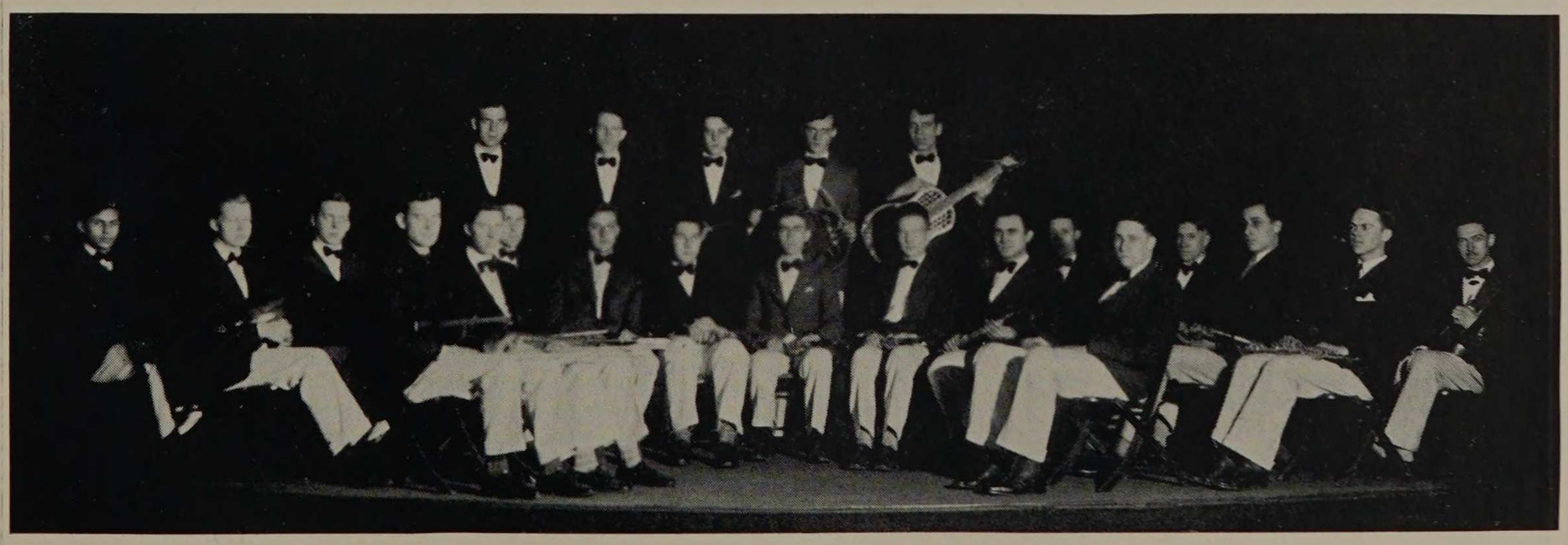
R. R. Eddy, Director

A school should provide for the mental nourishment along cultural lines as well as the laying the foundations for future greatness. This is accomplished at Armour, in no small manner, by this talented group.

Under the leadership of Richard Eddy, the close of this year marks the end of another successful season. The orchestra has improved from year to year. Improvements may be noticed which were of such a nature as to tend to raise the standard of music at Armour. Higher types of music were presented at the various concerts, and there was a greater variety of instruments which composed the orchestra. In general, new heights have been attained.

Music is essential to life. It may be traced back to the very edge of civilization. It is self-inspired and can never die. Music is harmony. To be successful in any of his endeavors, an engineer must be interested in harmony.

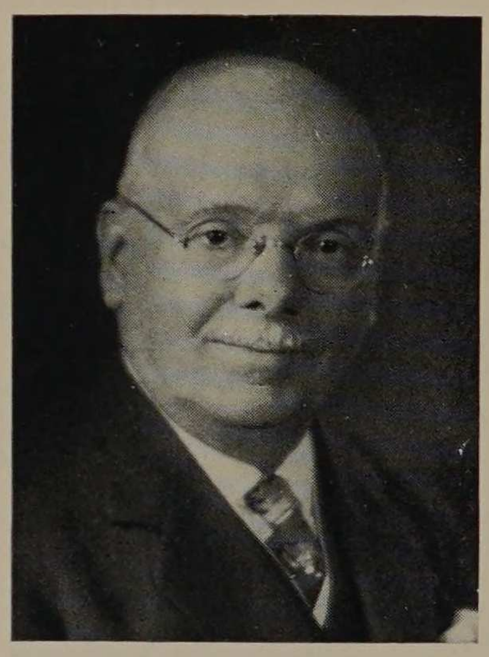
The manner in which the student body received the performances of the orchestra showed that a love for music really existed in the heart of the engineer and that he was a lover of harmony.



Newman, Beckman, Eddy, Richter, Weston.
Holland, Lantz, Hall, Korrell, Strassenburg, Williams, McGill, Tanney, Colburn, Cunningham, Philas
Bonvallet, Petersen, Viktora, Denning, Cornwall, O'Conor.

GLEE CLUB

Again the excellent guidance and direction of Dr. Daniel Protheroe, who is also director of the Welsh Male Choir, the Illinois Bell Telephone Chorus, the Hyde Park Y.M.C.A. Glee Club, the Central Church Choir, and a number of other groups, has brought about a successful year for the Armour Tech Glee Club.



Dr. D. Protheroe

The work of the club was exceptional, both in the Christmas Concert and in the Annual Home Concert. In these events classical or semi-classical numbers were selected for the programs because it was believed that in learning the works of the masters a great amount of good is assimilated.

Members of the Club during the year became familiar with a myriad of musical terms in a choral imitation of the opera called the "Italian Salad"; learned the fundamentals of "Barber Shop"; chords in "The Old Songs"; studied Scotch history in "Charlie Is My Darling"; knew of romance in "I Passed by Your Window"; and got religion in "The Prayer Perfect." They visited southern seas in "On the Road to Mandalay"; sang rollicking Christmas Carols and loved in "Passing By."

The above exemplifies the diversification of the Club's programs in the past year.

Reardon, MacFarlane, Berglund, Krol, Nebel, Bills, Wiltrakis, Chandler, Gault, Skoularinas
Clarkson, Knudson, Gibson, Walker, McCall, Carlton, Landwer, Richter, Avery, Otto.

STRESSES AND STRAINS

Stresses and Strains was organized in the fall of 1926 by twelve men who felt that the light popular tunes of the day were not being taken into account enough here at school, and that they should be mixed with the more serious works. These twelve men banded together with the purpose of venting on the air their feelings pertaining to music and how it should be played. The result of their efforts was the rendition of a pleasing type of "Symphonic Jazz," which seemed to gain immediate acceptance among the students.

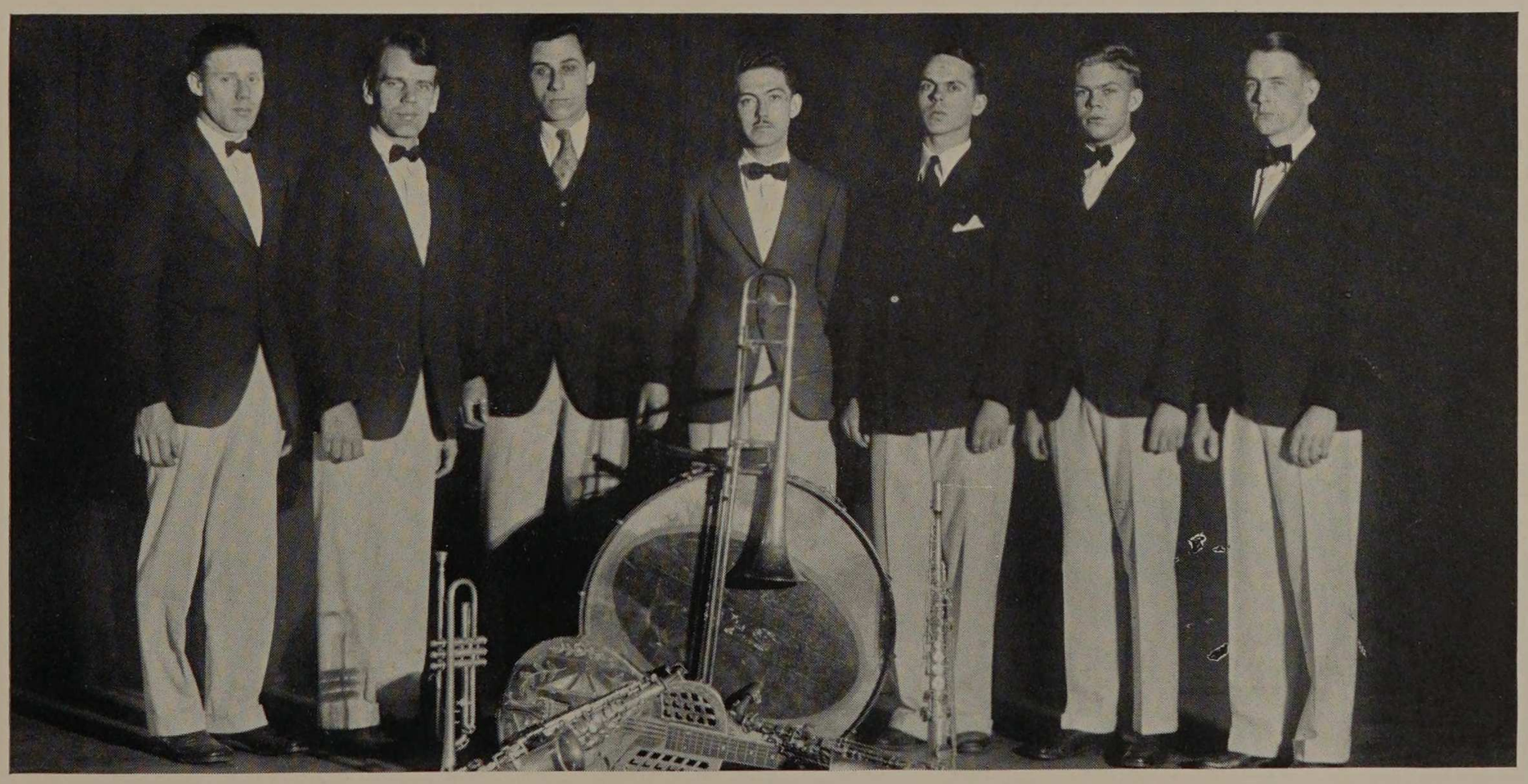
This year's first rehearsal was held in the third week of the first semester.

F. O'Conor, Director

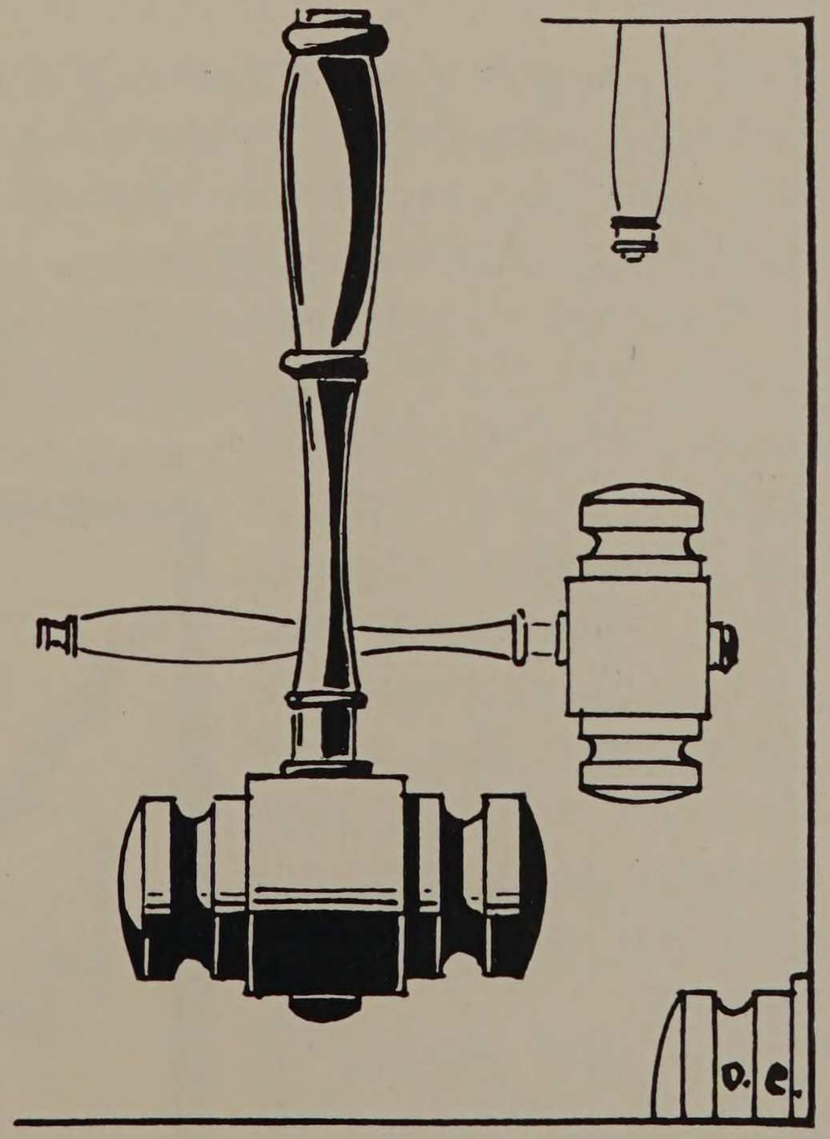
Four men formed a nucleus for this year's group, and from the large turnout for all sections of the orchestra enough good musicians were found to replace those lost and to increase the size of the band to ten pieces.

With this early start in its favor, Stresses and Strains was able to work out a good program for the Christmas Concert. And it was a good one, as was indicated by the enthusiastic way in which it was received in the cries for "more" and the applause of the audience.

The concert in the spring was even more popular with the audience than it was ever before.



Bonvallet, Weston, Denning, O'Conor, Cornwell, Meehan, Beckman



CLUBS

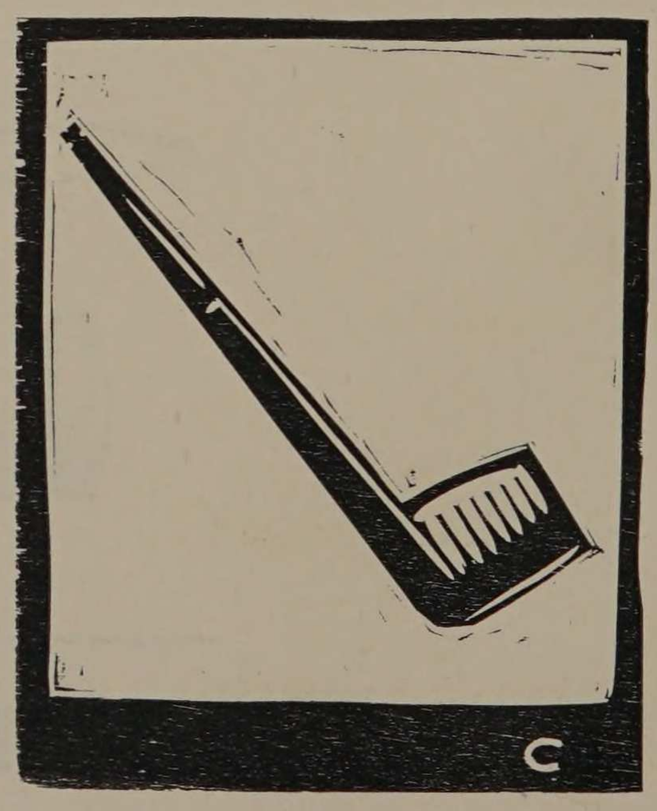
CAMPUS CLUB

Field, Gray, Guyot, Bonvallet, Filmer, Stranberg, Ream, Magnuson, Chun, Cannon, Weston, Whiteowsky, Ustryski.
Spawn, Blom, Winegar, Johannisson, Milevsky, Knudson, Sokoloff, Minnick, Graham, Clear, Cavanagh, Hess, Viel.

In 1927, the Armour Tech Campus Club, an outgrowth of the Y.M.C.A. group at Armour, was organized. The club is primarily a social organization, and is open to all students at Armour Institute.

With the cooperation of the social fraternities, the Campus Club initiated the social activities at Armour in the form of the Freshman Handshake, which provided an excellent opportunity for the upper classmen and the new students to become acquainted in an informal manner.

The first smoker of the semester was held on October 23rd, with the usual round of bridge, pinochle and entertainment provided by the members. This was followed by many other smokers, quite as successful as the first. In addition, there was the autumn meeting and banquet of the Campus Club Alumni Association, held at the Allerton House, and the annual mid-year banquet of the club, held in May.



The spirit of friendship among the members has resulted in a most pleasant and prosperous year.

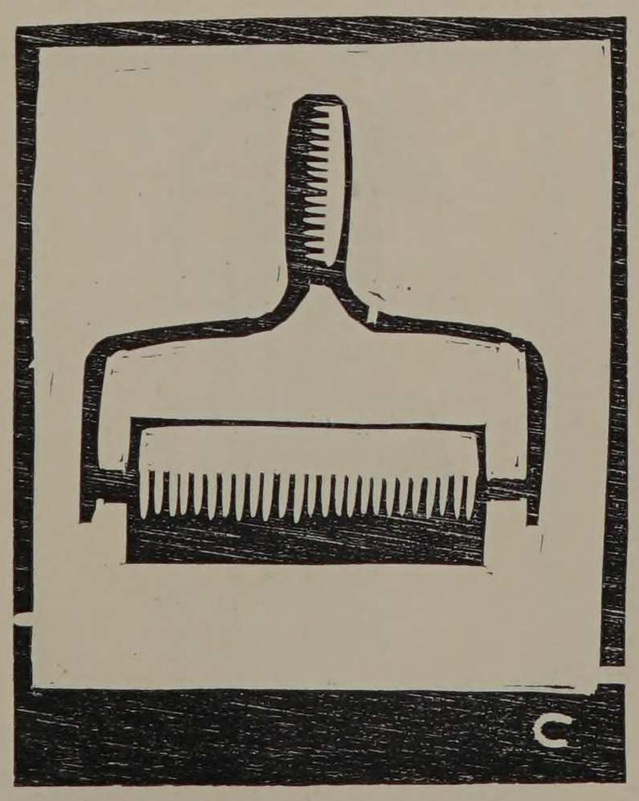
Officers — Jack O. Cavanagh, President; Samuel F. Winegar, Vice-President; Newton C. Cannon, Recording Secretary; Arthur R. Viel, Executive Secretary.

PRESS CLUB

Bengtson, Peavey
Davis, Blahna, Spalding, Bonnell, Eddy, Wilde, Seidelmann, Strassenburg, Auerbach, Wilson, James, Davies, Schinke, Stranberg, Lenke, Guyot, Murphy
Holland, Casey, Viel, Sorensen, Nelson, Leavitt, Scanlan, Schodde, Jackson, Dirkers, Wilkie, Bonvallet, Ustryski, Rudolph, Carlton, Beal, Holt, Kellner
Jordan, Miran, McCall, Gibson, Berger, Richter, Winogrond, Attwood, Jens, Paine, Barnett, Fagen, Bodinson, Landwer, Krol, McGuan, Linnell, Krause, Link

The Press Club was founded by the Sphinx, the honorary literary fraternity, in March, 1924.

During the past two years the club has been rather inactive, but this year, it has been reorganized. As a result it has been successful in working up enthusiasm for the publications, and in bringing out quite a number of recruits for the respective staffs.

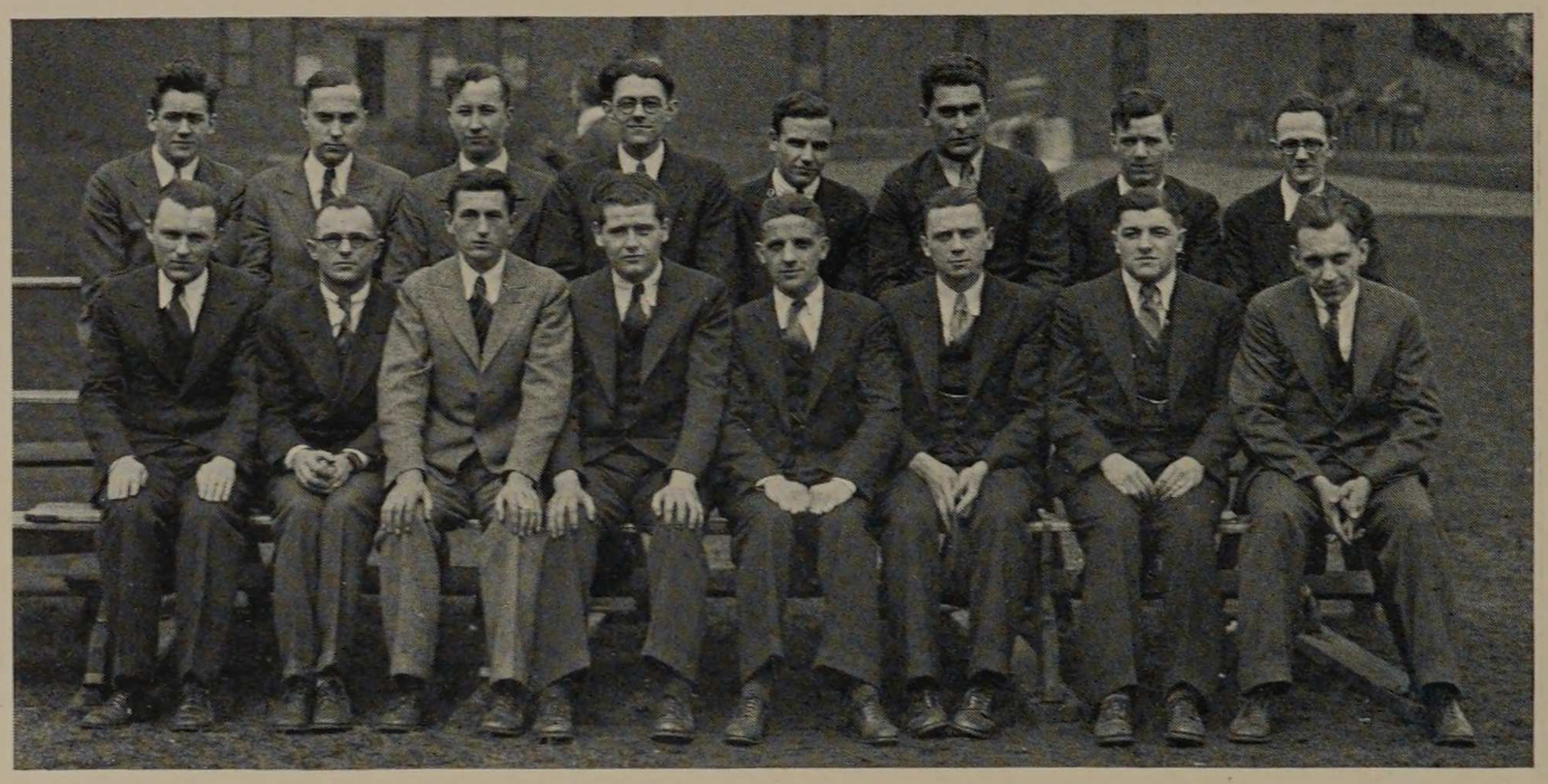


To further the mutual social relationship between the men and give them the opportunity to learn and appreciate what the other members were doing, a smoker was held on February 26th, at the Sigma Kappa Delta house.

Harvey T. Woodruff, the well known column conductor of the Chicago Tribune, was the principal guest of honor. He related some of his humorous experiences as a sports writer, after which, Professor Schommer recounted some of the lively episodes of his life and his athletic experiences.

Officers—Arthur H. Jens, President; Fred Attwood, Vice President; Richard G. Kellner, Secretary-Treasurer.

TRUSS CLUB

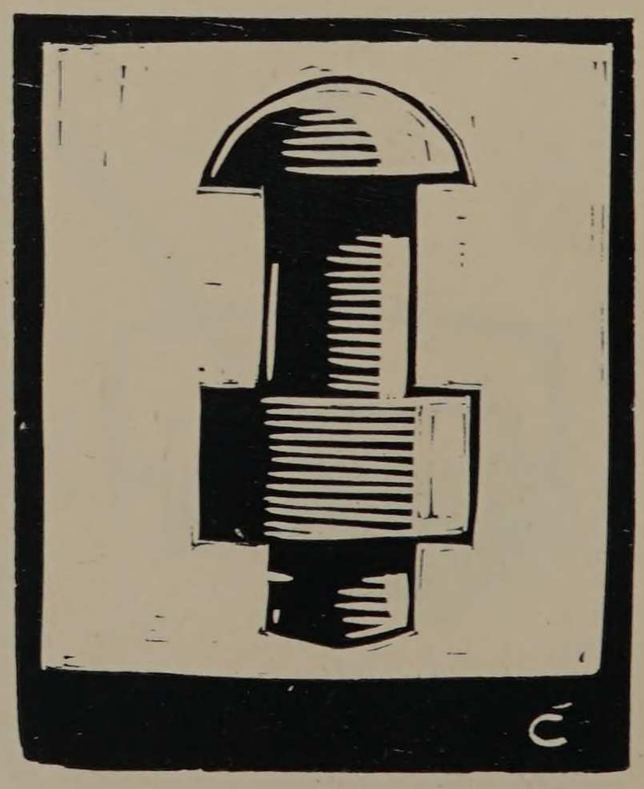


McGuan, Koch, Ladzinski, Lewis, Hoffman, Larsen, Kerrigan, Job.
Lane, Tibbits, Novotny, Jordan, Draus, Trzyna, Santina, Jost.

The Truss Club was organized by a group of senior students in the department of civil engineering in the fall of 1924. The basic purpose of the organization is to unite men of good scholastic standing and personal character into a closer union whereby mutual benefit may be derived for all.

With the passing of the college year, the Truss Club comes to the end of the year of its greatest prosperity and activity. New quarters, a new spirit, in fact a complete reorganization has been effected. The quarters of the club are now located at 3311 S. Michigan Ave.

Early in October, the social festivities of the year were initiated by a smoker, where the members exchanged tales of their experiences during the summer. This smoker proved to be such a success, and aroused so much enthusiasm, that it was soon followed by another. Subsequent to the two smokers, a house dance was held in the latter part of November. Several radio dances were held during the year, including the alumni dance.

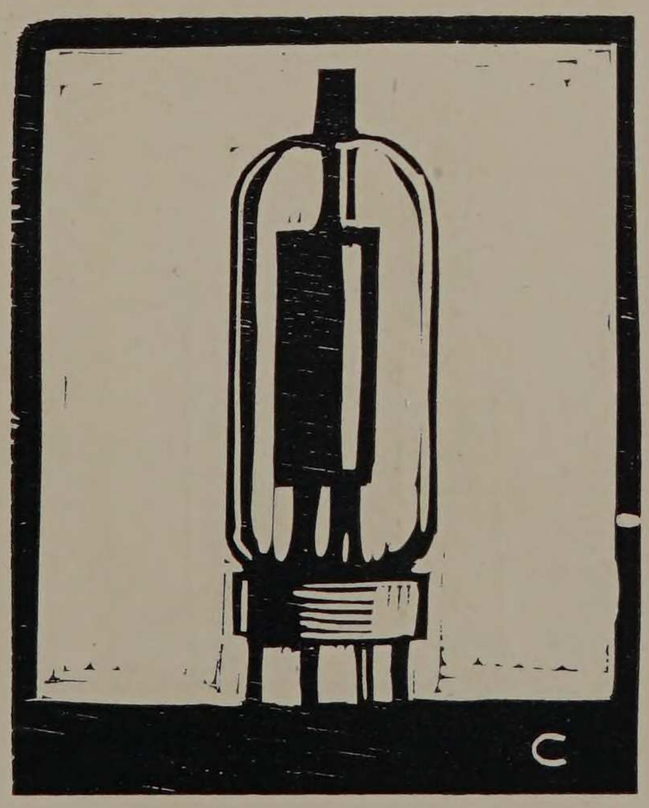


Officers—Philip Jordan, President; Andrew R. Draus, Vice-President; William L. Jost, Secretary; William J. Santina, Treasurer; Professor E. C. Grafton, Faculty Member.

ARMOUR RADIO ASSOCIATION

Fetterman, Becker, Sherk, Schinke, Weston, Frye
Golden, Schrader, VanOsdol, Squires, Fagen, Filmer.

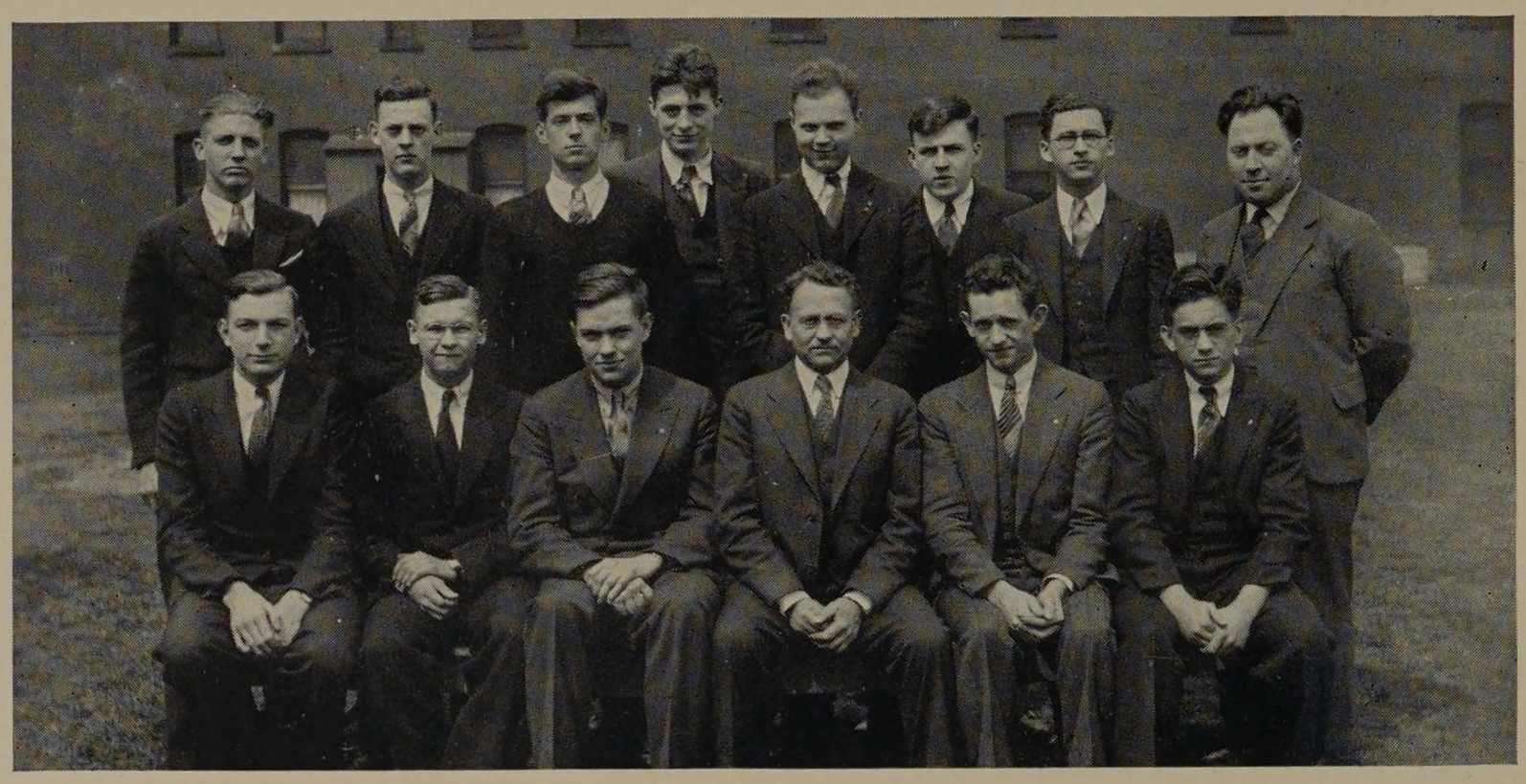
The purpose of the Armour Radio Association is to provide for those interested in radio communication an opportunity to foster that interest. To those who have come to learn the thrills of "talking to your fellow man halfway across the earth and chatting with the globe," the Radio Association, through the Institute radio station, W9NV, affords particular enjoyment. To others whose interests lie in different phases of the art, the organization provides a bond of mutual exchange and fellowship.



The Armour Radio Association was formed in 1922 when Armour Institute became the recipient of a complete broadcasting station, WPAD. Students, who were radio operators licensed by the Federal government, rebuilt the apparatus to meet their special needs and obtained the official call letters, W9NV. Since that time, the station, remodeled to keep abreast with the rapid advancement in radio, has been in constant use. It has been managed by licensed operators, all of whom own private transmitters.

Officers — Robert L. Van Osdol, President; William A. Schrader, Vice-President; Morton Fagen, Secretary-Treasurer; Emerson G. Squires, Chief Operator.

RIFLE CLUB

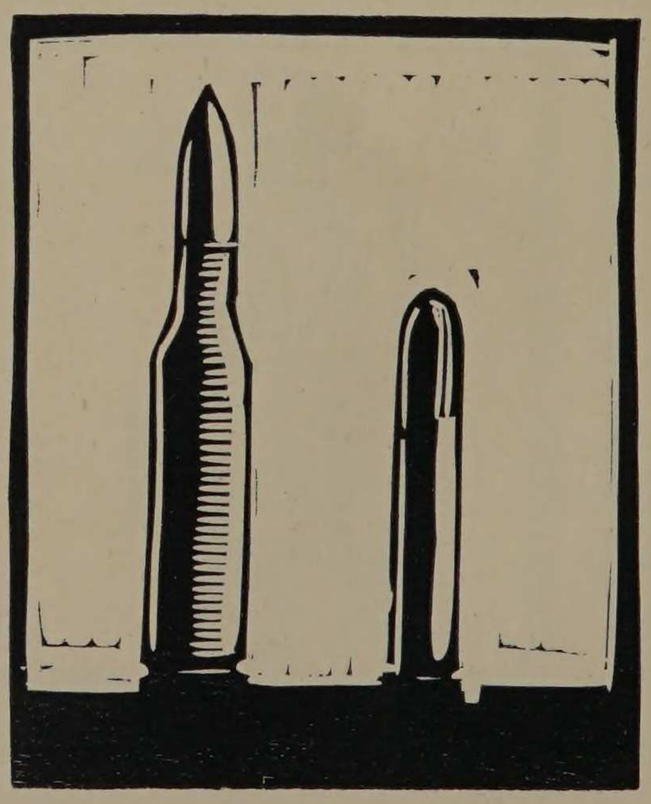


Sachs, Renstrom, Mauer, Linnell, Hackley, Wandrey, Winogrond, Matheson.
Hollman, Dickey, Wilson, Mangold, Helmick, Feinberg.

The Rifle Club was organized in the fall of 1927, largely through the effort of Professor Mangold. Since then, the club has acquired its own range in the basement of Chapin Hall. Also, the electrical department of the Institute has given the club a telescope for spotting the shots, and has equipped the range with an excellent lighting system. In addition, the club owns two guns, a Savage and a new Winchester.

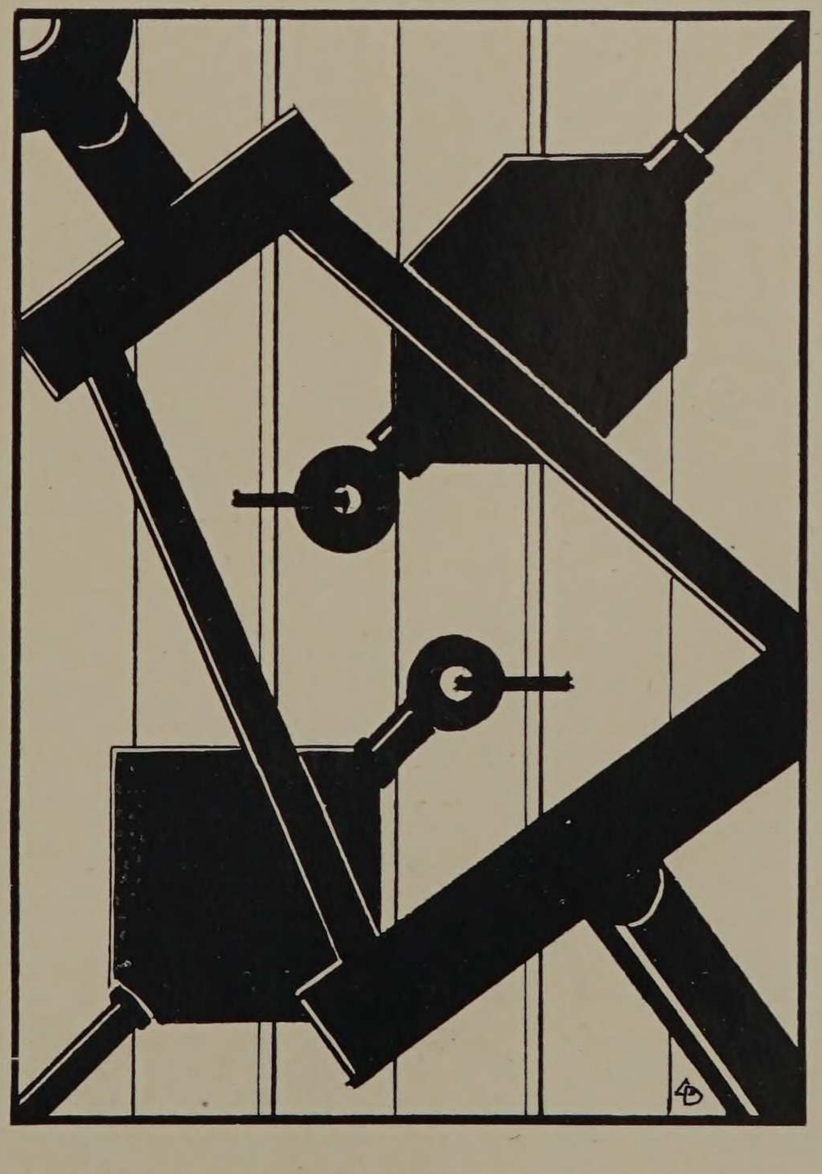
During the past year, the club was fortunate in securing several matches. Three postal matches were held with the New York Stock Exchange. The fact that these were lost by only a small margin showed that the team was of high standing. The team won the postal match held with the rifle team of Massachusetts Institute of Technology.

The team also scheduled matches with Lane Tech, the Humboldt Park Rifle Club, and the Hyde Park Y. M. C. A. Rifle Team. Probably the most novel and an outstanding event of the year was the match held with the Northwestern Girls' Rifle Team.



Officers—Donald G. Wilson, President; Robert A. Hess, Secretary; Allen H. Helmick, Treasurer; Professor J. F. Mangold, Faculty Advisor.

FRATERNITIES



HONORARY AND PROFESSIONAL GROUPS

TAU BETA PI

HONORARY ENGINEERING

Founded at Lehigh University in 1885

Fifty-nine Active Chapters

BETA CHAPTER

Established 1906

HONORARY MEMBERS

Howard M. Raymond
President of Armour Institute of Technology

*Alfred E. Phillips
Professor of Civil Engineering

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

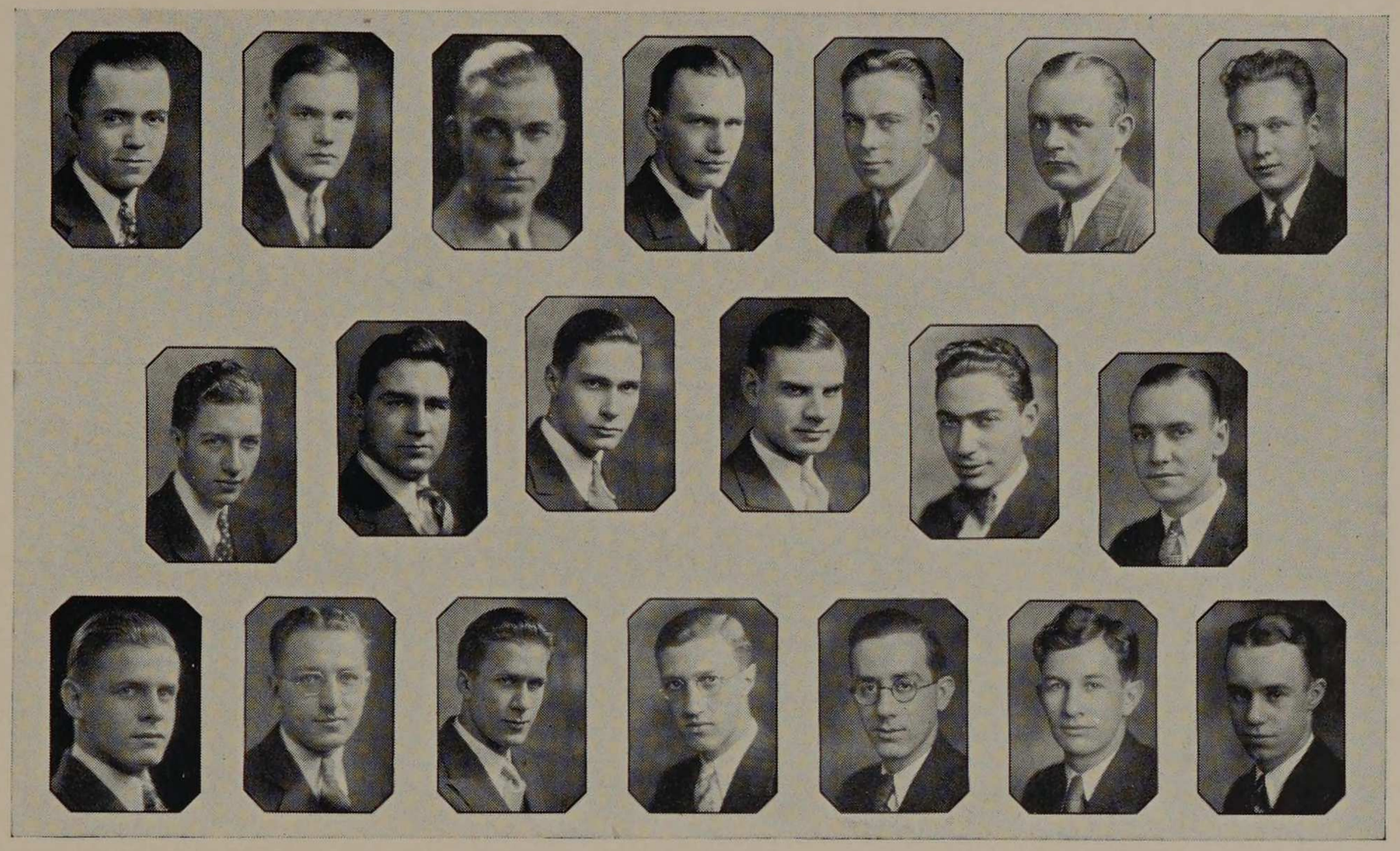
* Deceased

FACULTY MEMBERS

Ernest H. Freeman
Henry T. Heald
Philip C. Huntly
William H. 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
Van Bauman Teach
Ernest E. Tupes
Melville B. Wells

Tau Beta Pi, an honorary society, was founded at Lehigh University, Bethlehem, Pennsylvania, in June, 1885. Its aim, primarily, is to confer honor upon those students of engineering who have maintained a high standard of scholarship, and who have displayed leadership, initiative, and character during their years in college. It has been the aim of Tau Beta Pi, also, to place emphasis upon the cultural side of a student's life as well as the scholastic, in the effort to instill in its members a broader spirit of liberal education.

Beta Chapter of Illinois was chartered May 22, 1906, being the fourteenth chapter of the fraternity established. There are now fifty-nine active chapters in the engineering colleges of the United States and nine active alumni organizations in various cities. The total number of members now exceeds eighteen thousand.



Link, Attwood, Lindquist, Stevenson, Drigot, Lehman, Hellsen
Strassenburg, Krause, Wilde, Lenke, Auerbach, James
Fetterman, Seidelman, DeLong, Schirmer, Robin, Lind, Cavanagh

ACTIVE MEMBERS

Fred B. Attwood
Alvin B. Auerbach
John O. Cavanagh
Albert J. DeLong
William Drigot
Donald M. Fetterman
Karl E. W. Hellsen
Frank M. James
Robert M. Krause
Isaac B. Lehman
A. Julian Lenke
Stanley M. Lind
Bert S. Lindquist
Charles T. Link
Clarence J. Robin
Walter E. Schirmer
P. Emil Seidelman
Richard H. Stevenson
Frank F. Strassenburg
Albert F. Wilde

Meetings of Beta chapter of Illinois are held regularly and the program of social activities includes several smokers, two initiation banquets, and an alumni-faculty banquet.

Students are elected to Tau Beta Pi from the highest one-eighth of the Junior class, in the spring; and in the fall, seniors in the upper quarter of their class, together with three juniors from the upper eighth of their class, become eligible. In certain instances membership has been conferred upon graduates and prominent engineers. However, mere scholarship does not admit a man to membership in Tau Beta Pi. The man's qualities of character, personality, activity, and leadership, in the final analysis, prove his worth to the society and the school. Recognition in the engineering world can only be attained by a proper balance between these qualities and scholarship.

SPHINX

HONORARY LITERARY

Founded at Armour Institute of Technology in 1907

HONORARY MEMBERS

Walter Hendricks
Associate Professor of English

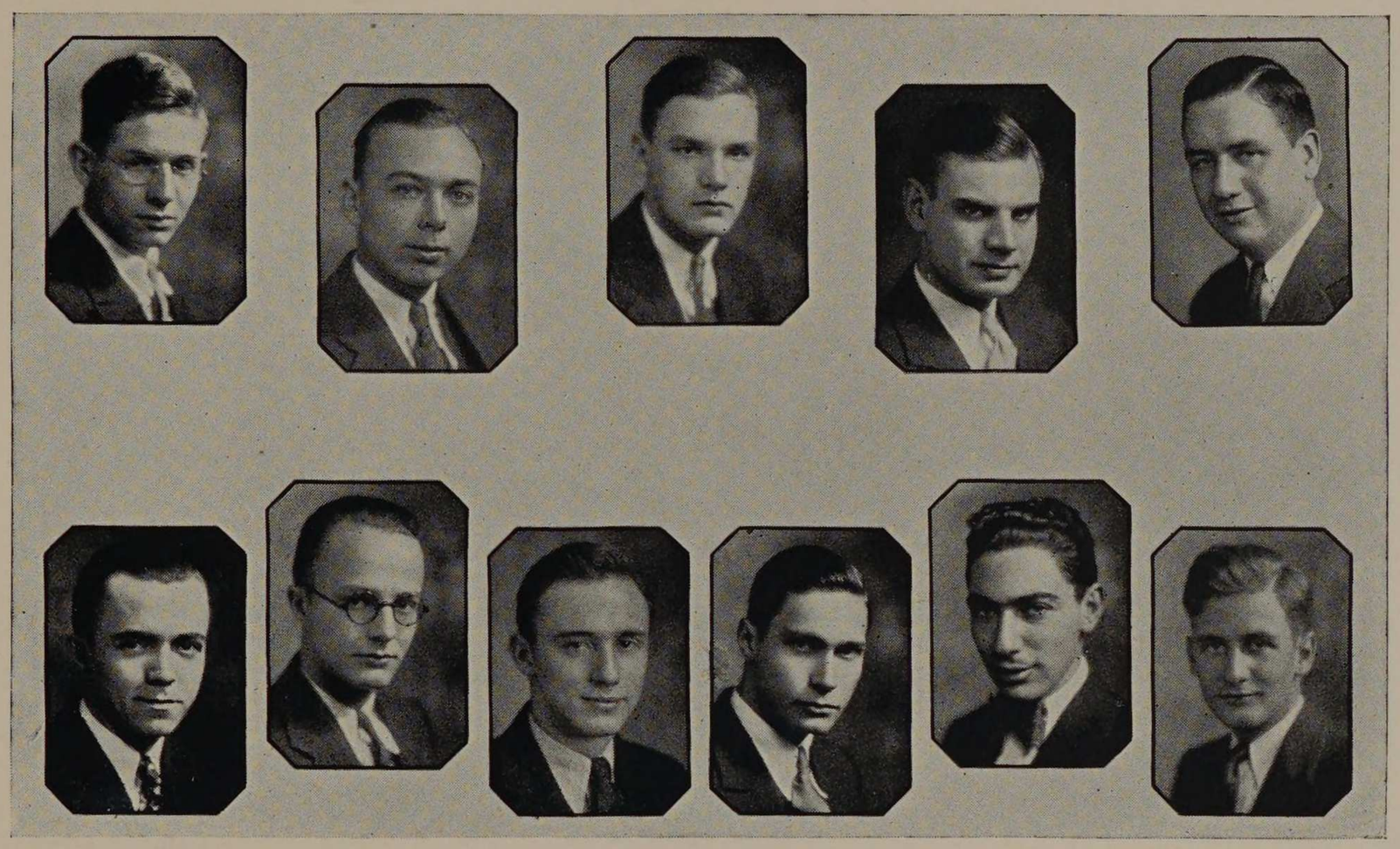
Charles E. Paul
Professor of Mechanics

James C. Peebles
Professor of Experimental Engineering

Joseph B. Finnegan
Professor of Fire Protection Engineering

On March 4, 1907, Sphinx, honorary literary society, was founded. The coming of Sphinx to the Armour campus marked the installation of the second society in the honorary group at Armour. The executive staff members of the Fulcrum and the Integral formed a group organization which soon afterwards came to be known as Sphinx.

The society was formed for the purpose of fostering and promoting the publication work at Armour and to serve as an honor society for services rendered to the Institute through its publications.



Jens, Murphy, Attwood, Lenke, Knittel
Link, Stranberg, Wilson, Wilde, Auerbach, Timmermans

ACTIVE MEMBERS

Fred B. Attwood
Alvin B. Auerbach
Arthur H. Jens
Kilian A. Knittle
A. Julian Lenke
Charles T. Link
Orland R. Murphy
John H. Stranberg
Ralph A. Timmermans
Albert F. Wilde

Robert N. Wilson

Sphinx has served as an advisory body to the student publications. Old plans are discarded, new ones initiated, and policies for the publications to follow are drawn up through Sphinx. Thus the history of Sphinx and the history of the publications are synonymous.

Membership in Sphinx has been granted to two hundred and nine men at Armour Institute. Senior and junior students of Armour who hold an executive position on the staff of any recognized publication, and who have performed highly meritorious service, and who have shown distinguished ability over a period of two years are considered for membership.

Pledge Ribbon Yellow and Black

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 Electrical Power Production

FACULTY MEMBERS

David P. Moreton
Professor of Direct and Alternating Current Machinery

Donald E. Richardson
Assistant Professor of Electrical Measurements

Van Bauman Teach
Assistant Professor of Mathematics

On October 28, 1904, Eta Kappa Nu was organized by ten aggressive students in the department of electrical engineering at the University of Illinois. Action was taken by these men because of the fact that they were able to realize the necessity of grouping more closely the outstanding men in their class, and were able to foresee the mutual benefits to be derived from such a fraternity.

Eta Kappa Nu was founded for the express purpose of binding together men, in leading technical schools of the United States, whose life work is electrical engineering. Such an organization as Eta Kappa Nu also brings into closer contact, than would otherwise be possible, the graduate and the undergraduate, thereby increasing the chances of its members for success in their profession.

Stehno, Blahna, Penfold, Patzelt, Lukey, Drigot, Warner,
Fetterman, Krahl, O'Connor, Fagen, Paschke, Draus, Marando

ACTIVE MEMBERS

Charles Blahna
Andrew R. Draus
William Drigot
Morton Fagen
Donald M. Fetterman
Werner Krahl
Myron E. Lukey
Humbert S. Marando
Thomas B. O'Connor
Rudolph Patzelt
Edward E. Paschke
William E. Penfold
Edward J. Stehno
Elmer S. Warner

In 1909 a few students in Electrical Engineering at Armour, realizing the benefits of such an organization, petitioned Eta Kappa Nu. On May 24, 1909, Delta chapter was chartered.

The first requirement for membership in Eta Kappa Nu is high scholarship. However, this scholarship is defined very broadly. It does not mean simply the grades received in the curriculum and the average based upon these grades. In a broader sense it is taken to mean the ability to lead and the ability to use knowledge with common sense.

Twenty-three active chapters located in engineering schools, spreading from coast to coast, now comprise the national fraternity, Eta Kappa Nu.

SCARAB

Professional Architectural

Founded at University of Illinois in 1909

Eleven Active Chapters

EDFOU TEMPLE

Established 1915

FACULTY MEMBERS

Earl H. Reed, Jr.
Professor of Architecture

William H. Lautz
Assistant Professor of Perspective and Shades and Shadows

William F. McCaughey, Jr.
Assistant Professor of Architectural Design

W. Lindsey Suter
Instructor in Architectural Design

J. Edwin Peterson
Instructor in Architectural Design

Ralph W. Hammett
Associate Professor of Architectural History

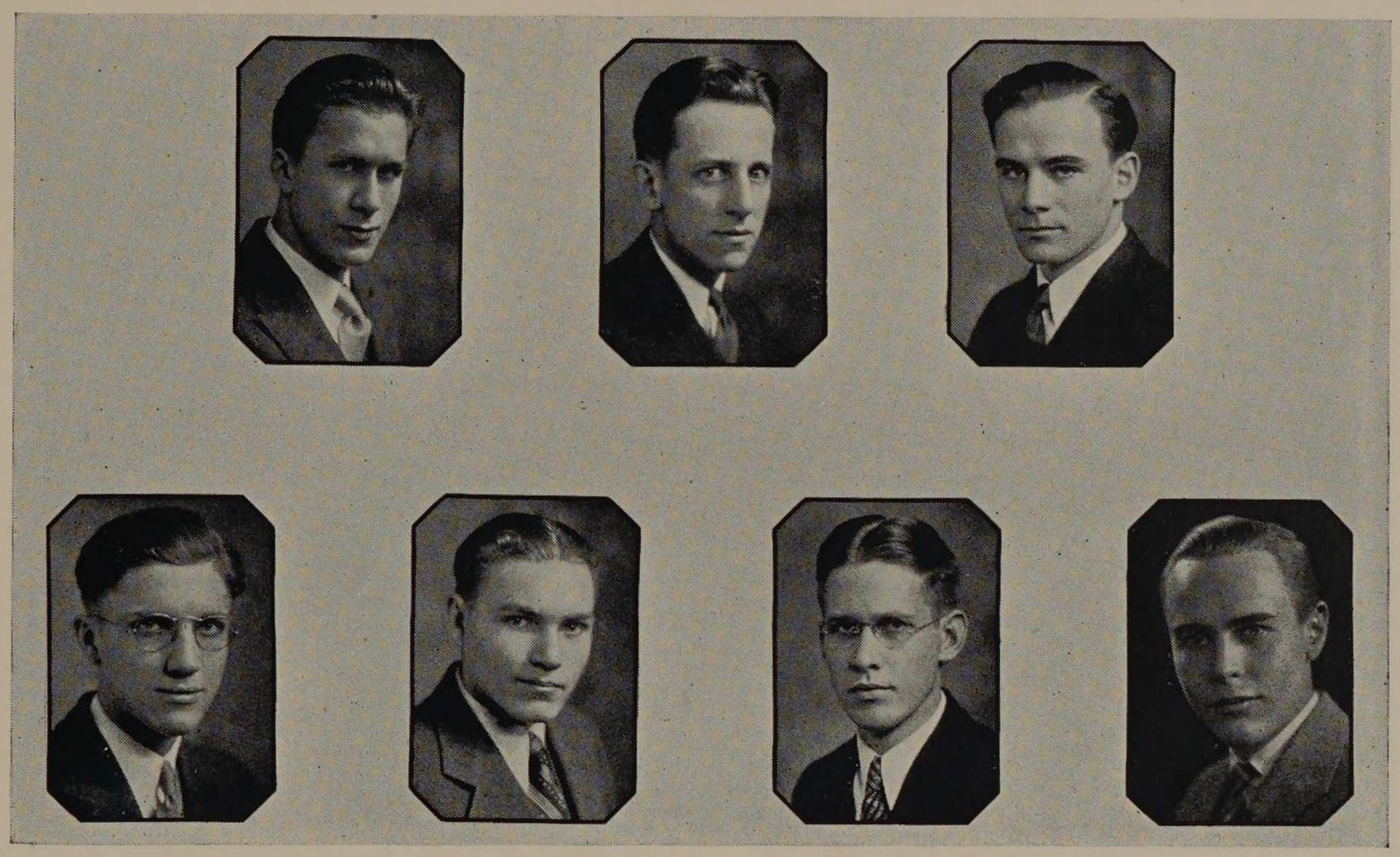
Theodoras H. Hofmeester, Jr.
Assistant Professor of Architectural Modeling

Emil R. Zettler
Assistant Professor of Architectural Modeling

Scarab fraternity was founded at the University of Illinois in 1909 by the leaders in architecture in the university. The original idea to organize came not as an aim to form a national fraternity but merely from a local group to celebrate the completion of certain events in the curriculum that had caused them a great deal of worry.

An architectural fraternity known as Alpha Delta Tau was started about 1900 at Armour and continued until 1915 when they petitioned, and were given a charter as Edfou Temple of Scarab fraternity.

There are now thirteen temples in the national organization. A national convention is held each year to provide a means of unity among the chapters.



DeLong, Mell, Minx
Wichser, Braun, Peterson, Schock

ACTIVE MEMBERS

Donald G. Braun
Albert J. DeLong
Alfred L. Mell
Emil J. Minx
Raymond A. Peterson
Charles M. Schock
Alvin J. Wichser, Jr.

Scarab provides a means for attaining a broader knowledge of architecture and the allied arts, secures through association the advantages of a more refined culture, stimulates a greater interest in expression through the graphic arts, promotes friendly competition among students and schools of architecture, and creates a lasting spirit of fellowship and cooperation within the fraternity.

Election to membership is based on many qualities, such as scholarship, character, and sociability. Scarab has always kept its membership comparatively small.

Pledge
Ribbon
Black
Blue
and
White

PHI LAMBDA UPSILON

HONORARY CHEMICAL

Founded at University of Illinois in 1899

Twenty-eight Active Chapters

OMICRON CHAPTER

Established 1920

FACULTY MEMBERS

Charles A. Tibbals
Professor of Analytical Chemistry

Harry McCormack
Professor of Chemical Engineering

Walter J. Bentley
Assistant Professor of Chemical Engineering

Donald S. S. Ullock
Instructor in Chemical Engineering and Curator of Chemical Laboratories

Phi Lambda Upsilon, honorary chemical society, was founded at the University of Illinois in 1899. The aims of the founders of the fraternity included the installation of chapters of the society in other institutions with the object of promoting high scholarship and original investigation in all branches of pure and applied chemistry. This policy was carried out and now Phi Lambda Upsilon has granted charters to twenty-eight active and one alumni chapter. The total membership is now nearly four thousand.

Omicron Chapter of Phi Lambda Upsilon was chartered in 1920, primarily through the efforts of two members of the faculty, Professor C. A. Tibbals and Mr. F. C. Smith.

Attwood, Martin, Ferguson, Drell, Lehman
Yzaguirre, Blom, Field, Cavanagh, Holland

ACTIVE MEMBERS

Fred B. Attwood
Russell H. Blom
John O. Cavanagh
Isadore Drell
Edmund Field
William A. Holland
Isaac B. Lehman
Homer Z. Martin
Manuel Yzaguirre

The election of students to membership in Phi Lambda Upsilon takes place at the beginning of each semester. The members of the junior and senior classes in Chemical Engineering and the member of the sophomore class having the highest standing are eligible.

The basis of election is scholarship, which is determined by averaging all grades, giving the chemical grades twice the weight of the others. No minimum average is established, this being usually governed by the average of the class. The vote on scholarship must be unanimous. The personality of the candidate must also be considered, however, personality is considered only in so far as it pertains to good habits, neatness, and honesty.

The chapter holds meetings regularly and its social program includes a number of smokers and a banquet.

Pledge Ribbon Red and Blue

CHI EPSILON

Honorary Civil

Founded at University of Illinois in 1922

Eleven Active Chapters

ARMOUR CHAPTER

Established 1923

FACULTY MEMBERS

* Alfred E. Phillips
Professor of Civil Engineering

John C. Penn
Professor of Civil Engineering

Melville B. Wells
Professor of Civil Engineering

Roe L. Stevens
Associate Professor of Bridge and Structural Engineering

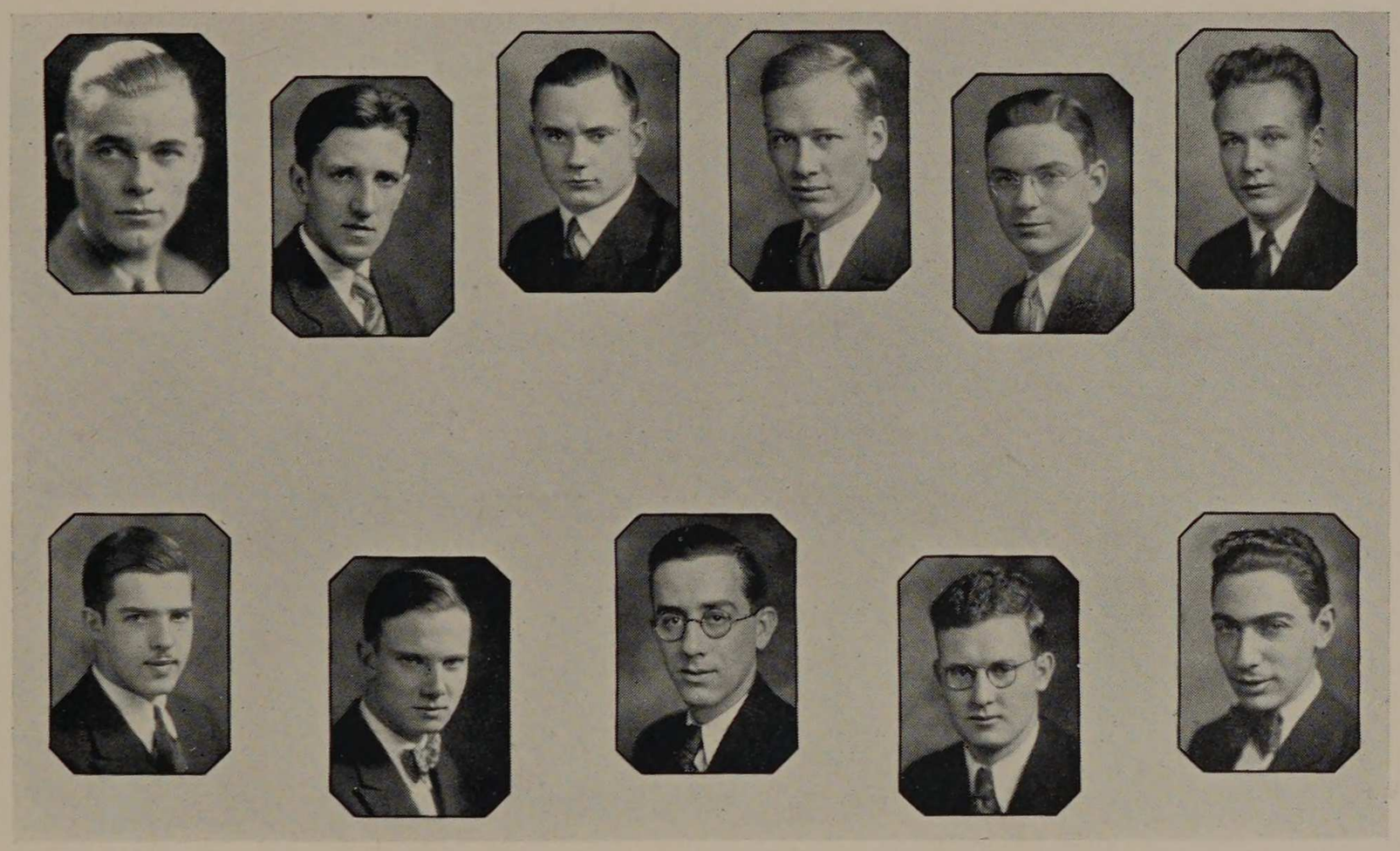
Philip C. Huntly
Associate Professor of Experimental Engineering

Henry T. Heald
Assistant Professor of Civil Engineering

* Deceased

Chi Epsilon is a national honorary civil engineering fraternity founded at the University of Illinois on May 20, 1922. The Armour Chapter was installed March 9, 1923.

The purpose of the fraternity is to place a mark of distinction on the undergraduate who has upheld the honor of the Civil Engineering Department by high scholastic ability, and to provide an incentive for greater achievements in the civil engineering profession.



Lindquist, Rutkowski, Miller, Johnson, Morgan, Hellsen
Dicke, McLaughlin, Robin, Meagher, Auerbach

ACTIVE MEMBERS

Alvin B. Auerbach
Leonard H. Dicke
Karl E. W. Hellsen
Eldon A. Johnson
Bert S. Lindquist
Berlyn G. McLaughlin
Richard E. Meagher
Clarence H. Miller
Milan J. Morgan
Clarence J. Robin
Frank E. Rutkowski

Election to membership is based on the four requisites of a successful engineer: scholarship, character, practicality, and sociability. A candidate for membership must have maintained an average grade in scholarship in the upper one-third of his class and must be a junior or senior student in regular standing in the Civil Engineering Department.

A conclave is held every two years at which time the officers of the Supreme Council are elected and the future policy of the fraternity determined.

The "Transit" is the official publication of the fraternity and is published twice annually. It contains widely varying subjects of interest to civil engineering students and also news of each of the various chapters.

Pledge
Ribbon
Purple
and
White

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

In 1922 several men of the Fire Protection Engineering Department decided to band together into an honor society. Therefore, in 1923, with the cooperation of Professor J. B. Finnegan and other members of the faculty, the initial steps were taken to form an honorary fire protection engineering fraternity. The charter membership was composed of seven men.

The object of the fraternity is to foster high scholarship and original investigation in all branches of fire protection engineering.

Lenke, Kesselring, Austin, Schirmer, Holt
Wilde, Spalding, Seidelman, James, Trauten

ACTIVE MEMBERS

Francis S. Austin
Harmon S. Holt
Frank M. James
Paul E. Kesselring
A. Julian Lenke
Walter E. Schirmer
P. Emil Seidelman
Frank W. Spalding
Walter M. Trauten
Albert W. Wilde

The prime requisite for the election of a student to membership in the fraternity is a high scholastic standing. However, to be qualified for membership the man must have good moral principles and show evidence of superior abilities through his activities.

A news letter, the "Deflector," is published annually by Salamander. In its pages are found news of the alumni members as well as that of the active chapter.

Regular meetings are held throughout the year. Two initiation smokers are also held, one in the fall and another in the spring of the year.

PI TAU SIGMA

Honorary Mechanical

Founded Jointly at University of Wisconsin and University of Illinois in 1915

Nine Active Chapters

DELTA CHAPTER

Established 1924

HONORARY MEMBERS

George F. Gebhardt
Professor of Mechanical Engineering

Ernest Hartford
Assistant Secretary A. S. M. E.

Philip C. Huntly
Associate Professor of Experimental Engineering

Edwin S. Libby
Professor of Refrigeration Engineering

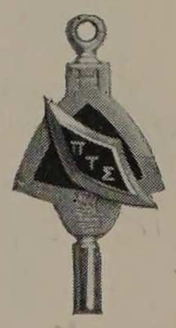
James C. Peebles
Professor of Experimental Engineering

Robert V. Perry
Professor of Machine Design

Daniel Roesch
Professor of Automotive Engineering

FACULTY MEMBER

Arthur W. Sear
Assistant Professor of Elementary Machine Drawing



Pi Tau Sigma, national honorary mechanical engineering fraternity, was founded March 16, 1915, at the University of Illinois. Its establishment came about when the students in mechanical engineering who had maintained a high grade of scholarship felt the need of an organization to foster the spirit of a liberal culture in engineering students. Its purpose is three-fold: to emphasize through its membership the high ideals of the mechanical engineering profession, to stimulate student interest in coordinate departmental activities in the universities and to promote the welfare of its members.

Delta chapter was the fifth chapter in the fraternity, being chartered December 22, 1924. The fraternity has expanded rapidly and now has nine active chapters on the roll.

Krause, Stevenson, Link, Strassenburg, Munch
Fox, Hartanov, Cannon, Lamka, Davis

ACTIVE MEMBERS

C. Newton Cannon
Harold R. Davis
Harold L. Fox
Andrew S. Hartanov
Robert M. Krause
Mitchell J. Lamka
Charles T. Link
Fred T. Munch
Richard H. Stevenson
Frank F. Strassenburg

Students are elected to Pi Tau Sigma from the upper half of the senior class and the upper quarter of the junior class in the fall. They are also elected from the upper third of the junior class in the spring of the year. Although a high quality of scholarship is essential to membership, other qualities such as character, loyalty, personality, leadership, and college activity are also required.

Any chapter may also confer a key upon technical graduates engaged in the engineering profession. Honorary membership may also be conferred upon associate or assistant professors in the Mechanical Engineering Department.

PI NU EPSILON

Honorary Musical

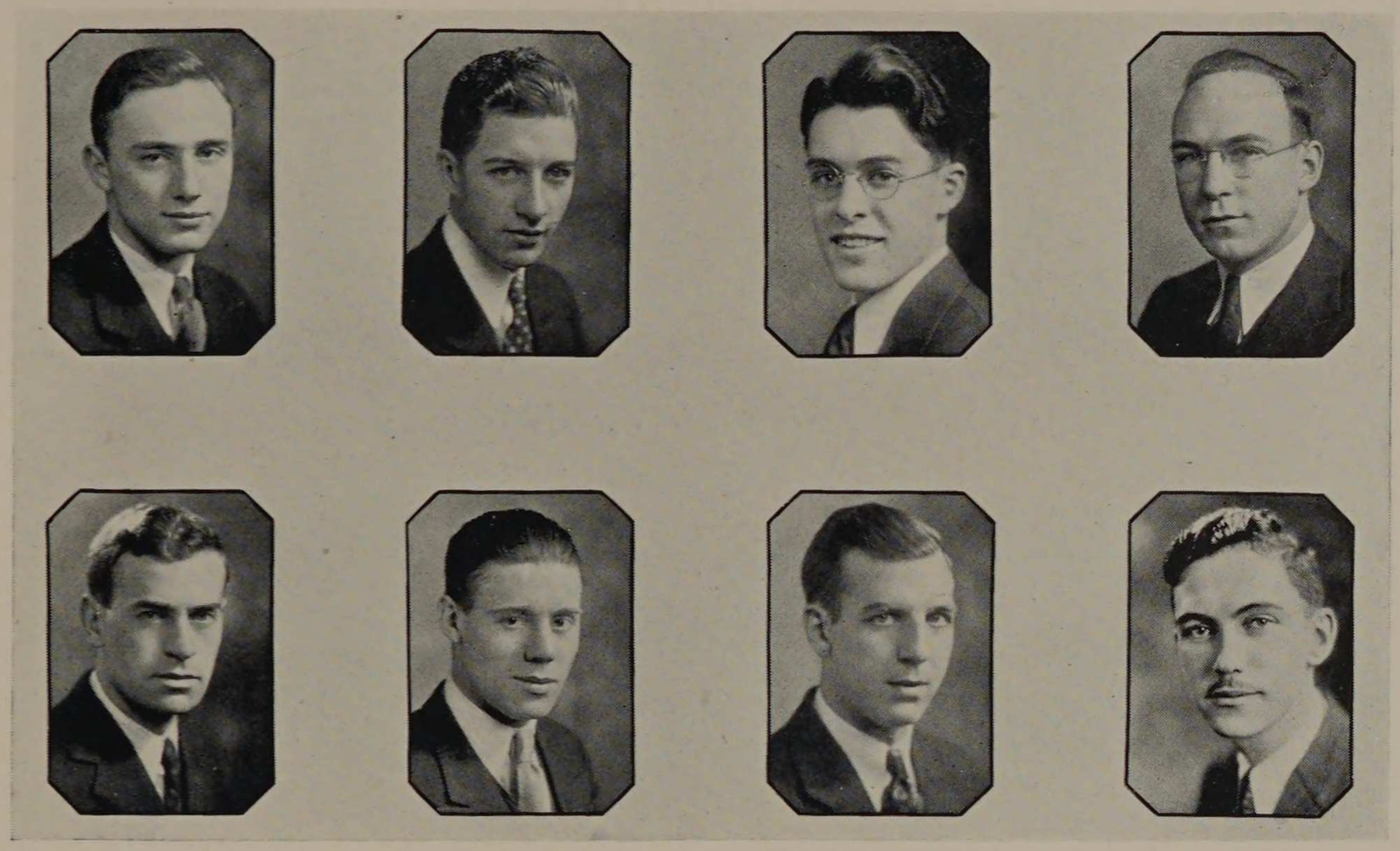
Founded at Armour in 1927

FACULTY MEMBER

Charles W. Leigh
Professor of Analytic Mechanics

The establishment of an honorary musical society at Armour was the result of many months' consideration of the problems of the musical clubs and the need for such an organization. In 1927, Pi Nu Epsilon was granted a charter as an honorary music fraternity. The charter members were a sincere group of men who realized the serious need for a stimulus for the musical organizations at Armour Institute.

The aims of the fraternity since its founding have been, to honor the men who devote their time and efforts to the musical clubs over a period of four years, to stimulate interest and work in the musical clubs, and to foster and develop a broader interest in music and musical affairs at Armour.



Wilson, Strassenburg, Eddy, Schrader
Korrell, Bonvallet, Newman, O'Conor

ACTIVE MEMBERS

George L. Bonvallet
Richard R. Eddy
Philip H. Korrell
Lorenzo A. Newman
Frank O'Conor
William A. Schrader
Frank F. Strassenburg
Robert N. Wilson

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 into the fraternity each pledge is required to prepare a paper, requiring research in the musical world, which is so seldom touched by the engineering student.

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.

Pledge Ribbon Scarlet and Grey

ALPHA CHI SIGMA

Founded in 1906

Forty-seven Active Chapters
Seventeen Professional Chapters

ALPHA PSI CHAPTER

Established 1930

FACULTY MEMBERS

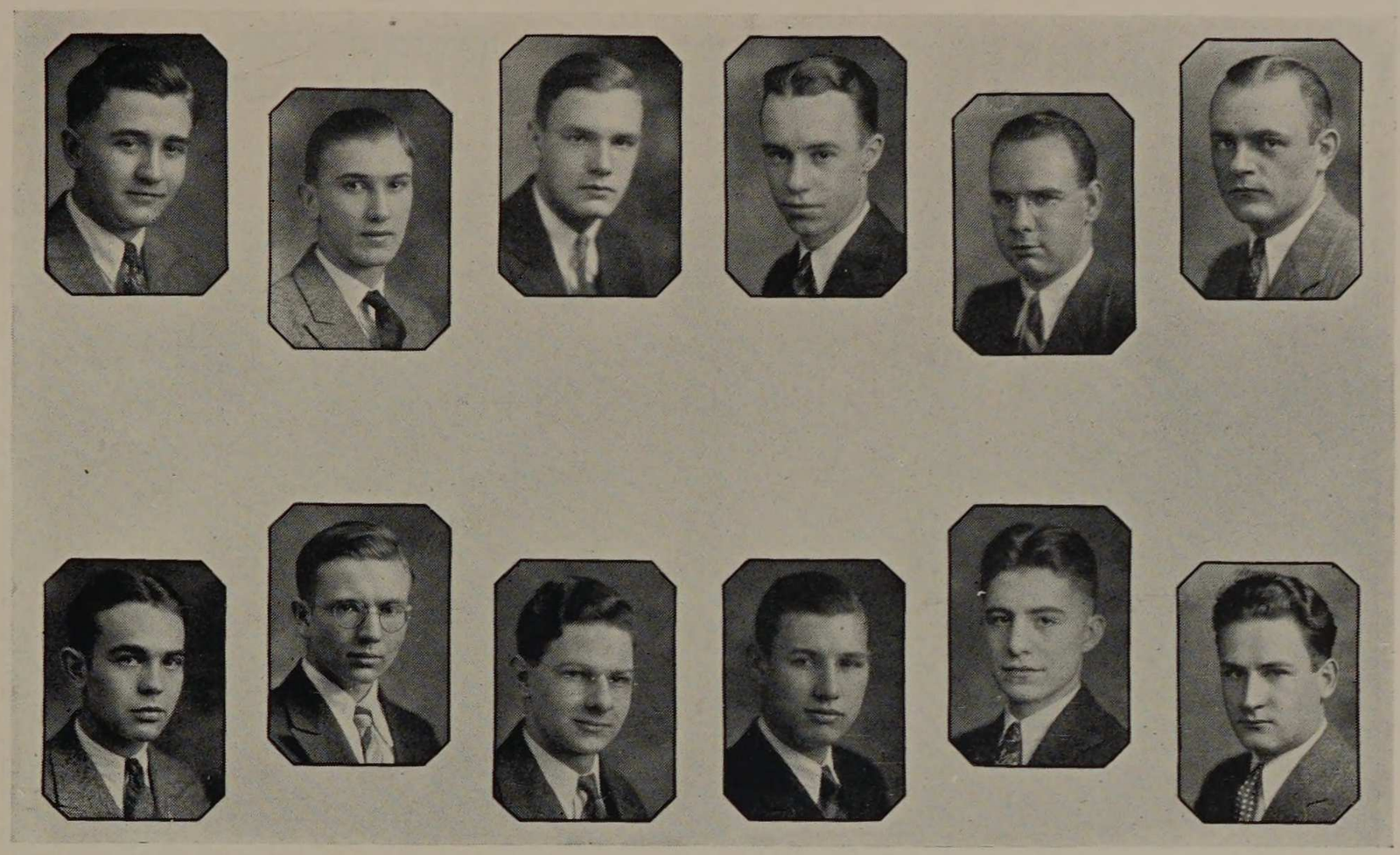
Charles A. Tibbals
Professor of Analytical Chemistry

Arthur H. Carpenter
Associate Professor of Metallurgy

Walter J. Bentley
Assistant Professor of Chemical Engineering

On December 13, 1930, the members of the local fraternity known as Flask and Beaker were initiated into Alpha Chi Sigma, national professional chemical fraternity, as the forty-seventh collegiate chapter.

The fraternity does in no way conflict with the aims and purpose of Phi Lambda Upsilon, honorary chemical fraternity. The purpose of Alpha Chi Sigma is to bring chemical students and men in the chemical profession in closer contact, and to strive for the advancement of chemistry both as a science and a profession in every possible way. Phi Lambda Upsilon is an honor society with the aim of rewarding students who have attained a high scholastic average in their collegiate studies.



Melcarek, Fiala, Attwood, Cavanagh, Latham, Lehman
Steinert, Bigelow, Stockmann, Blom, Linnell, Stamberg

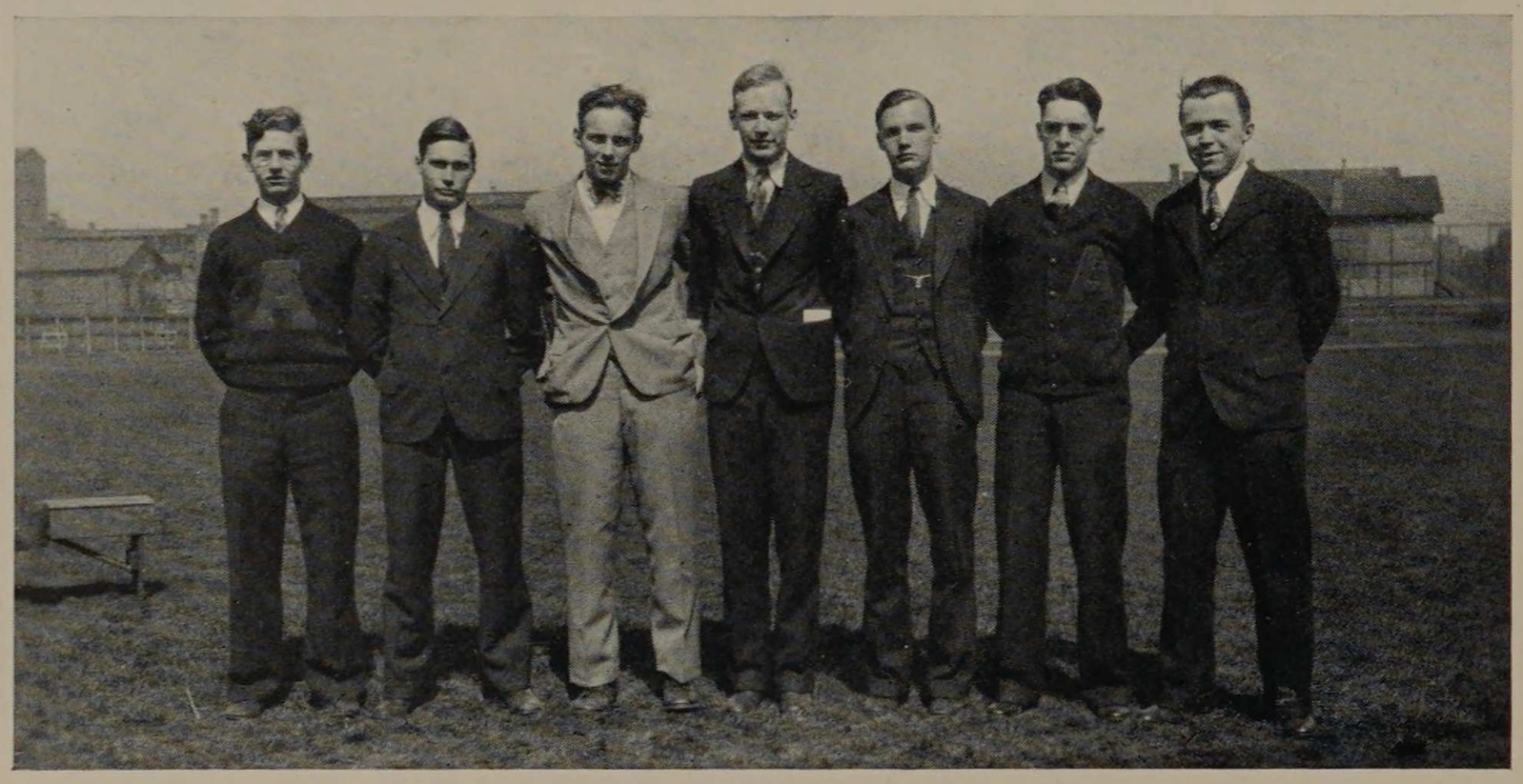
ACTIVE MEMBERS

Fred B. Attwood
Albert F. Bigelow
Russell H. Blom
John O. Cavanagh
Oliver J. Fiala
Harold J. Latham
I. Bruce Lehman
Orville G. Linnell
Leonard V. Melcarek
Charles J. Stamberg
O. Reynold Steinert
Gervase J. Stockmann

In addition to the forty-seven collegiate chapters located throughout the country, there are seventeen professional chapters situated in the principle cities of the United States. A constructive feature of the fraternity is a placement bureau maintained by these professional chapters for the purpose of securing positions in the chemistry field.

Candidates are elected twice a year from the sophomore, junior and senior classes in Chemical Engineering. Election to membership is based on scholarship, ability, and personality.

HONORARY FRATERNITY COUNCIL



Jens, Wilde, Drigot, Johnson, Attwood, Eddy, Link.

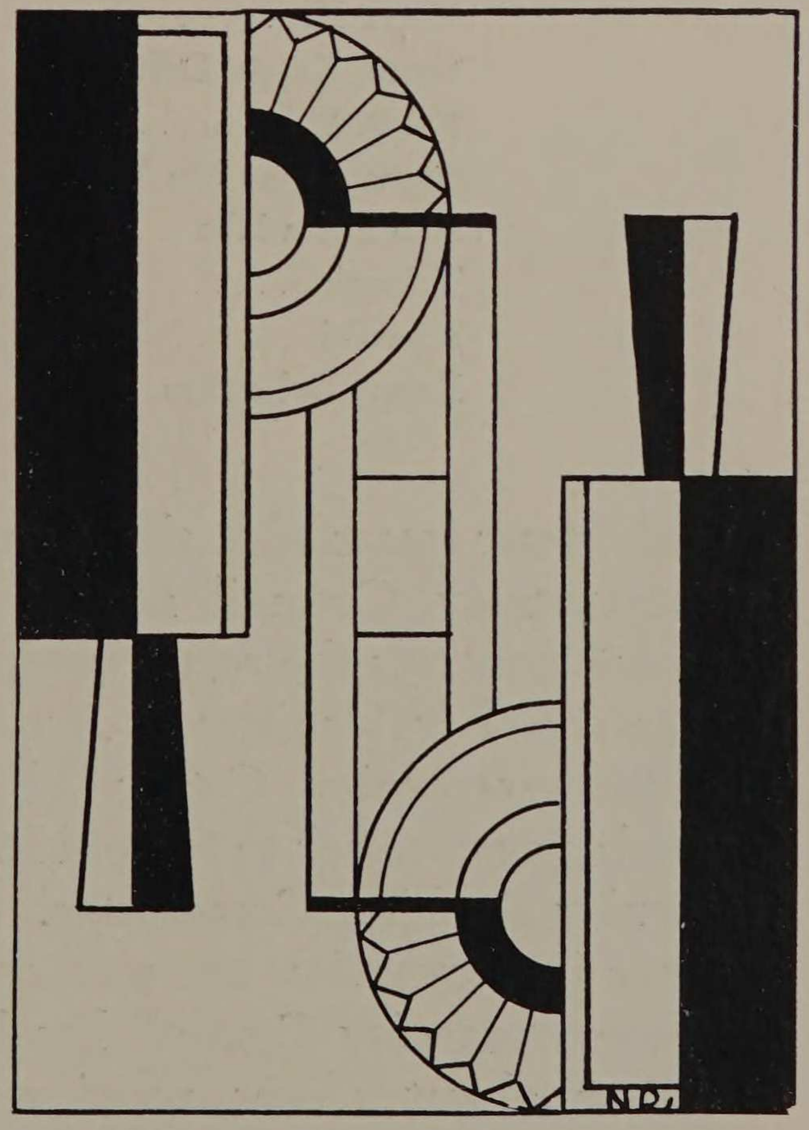
Tau Beta Pi	Fred B. Attwood
Sphinx	Arthur H. Jens
Eta Kappa Nu	William Drigot
Phi Lambda Upsilon	Isaac B. Lehman
Chi Epsilon	Eldon A. Johnson
Salamander	Albert F. Wilde
Pi Tau Sigma	Charles T. Link
Pi Nu Epsilon	Richard R. Eddy

In the fall of 1927, a very important and vital organization was being molded in the minds of several of the presidents of the honorary fraternities. Their words and thoughts were not long after followed by action, and as a result, the Honorary Fraternity Council was organized.

The purposes of the Honorary Fraternity Council are to further the interests, both social and scholastic, of the honorary fraternities and to stimulate and retain the alumni of the active chapters. By the organization of this body the many constructive ideas found in each and every one of the fraternities were pooled and used for the benefit of all.

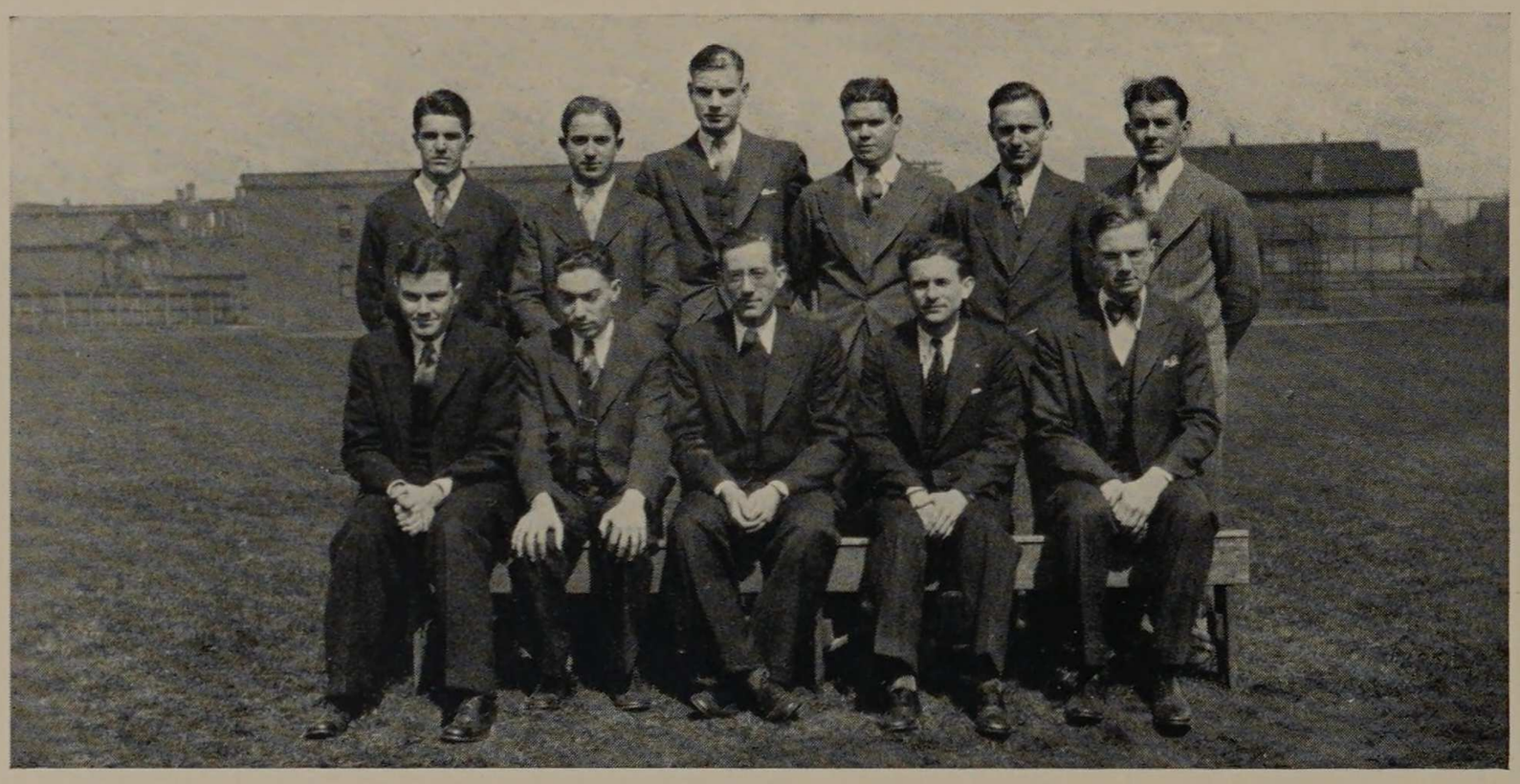
The two really outstanding events of the year are the annual honorary banquet and the annual honorary dance.

Although the existence of the Honorary Fraternity Council is comparatively young, they have accomplished what was originally hoped for. They have brought about a closer relationship between the active chapters of the honorary fraternities, and have earned and received the support and attendance of the alumni of their respective chapters.



SOCIAL FRATERNITIES

INTERFRATERNITY COUNCIL



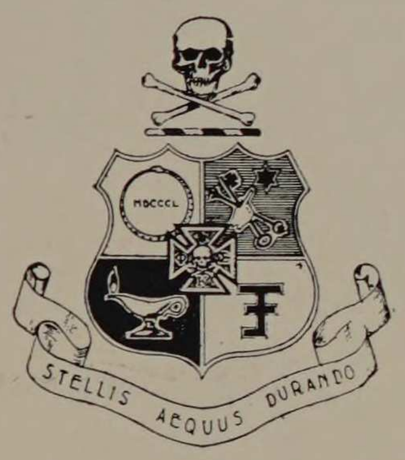
Fox, Wernicke, Lenke, Larkin, Wilson, Smethells.
Windbigler, Auerbach, Robin, Berger, McLaughlin.

Phi Kappa Sigma . . . . . Robert N. Wilson
Delta Tau Delta . . . . . A. Julian Lenke
Theta Xi . . . . . George A. DeBolt
Sigma Kappa Delta . . . . . Harold L. Fox
Phi Pi Phi . . . . . Clarence L. Robin
Sigma Alpha Mu . . . . . Alvin B. Auerbach
Rho Delta Rho . . . . . Irving M. Berger
Triangle . . . . . Roscoe H. Windbigler
Beta Psi . . . . . Berlyn G. McLaughlin
Kappa Delta Tau . . . . . Philip P. Portnoy

Only four years old, the Armour Interfraternity Council now functions and controls the relationships of the ten social fraternities at Armour. The Interfraternity Council was formed as a successor to the old Interfraternity Rushing Committee.

Since its formation the purpose of the Interfraternity Council has been to bring about closer relationships among the fraternities and also between the fraternities and the Institute. They now regulate all matters of common interest such as interfraternity sports, sing, scholarship, rushing, pledging and initiation rules.

The Council body proper is made up of one member from each recognized fraternity on the campus, thus giving each fraternity man an opportunity to voice his opinions on any matter of concern through his fraternity representative in the Interfraternity Council.

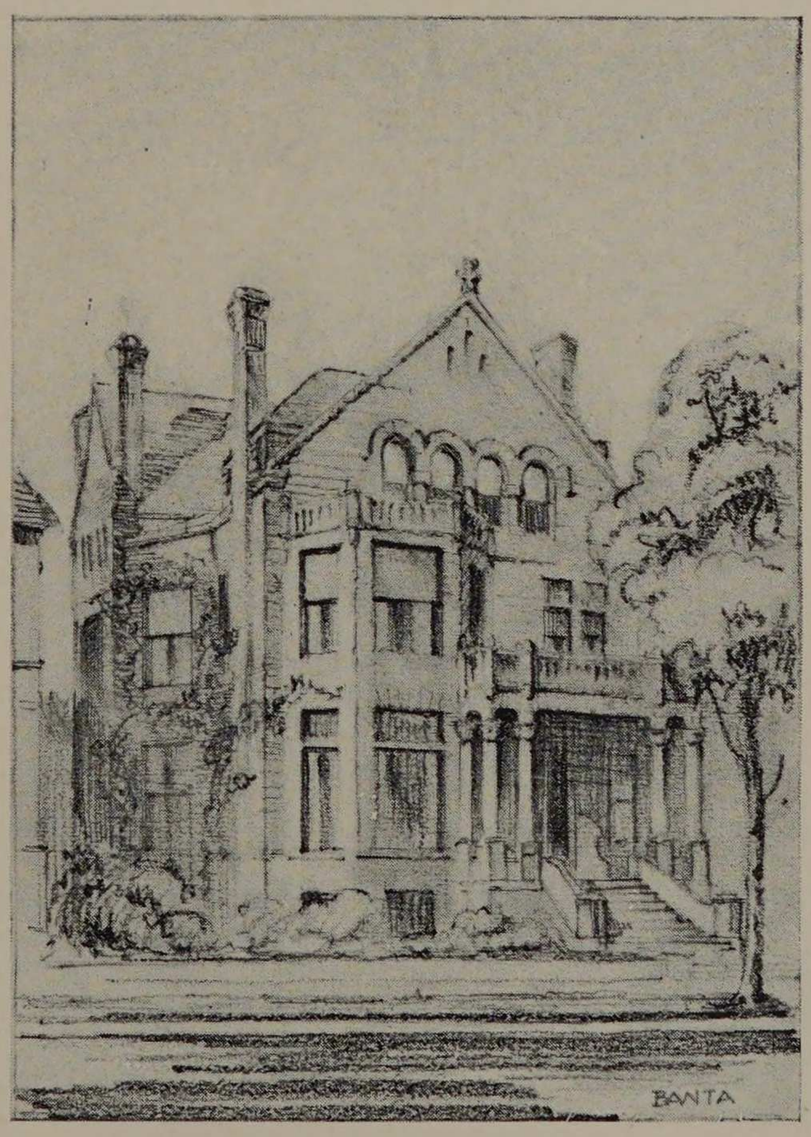


PHI KAPPA SIGMA

Founded at University of Pennsylvania in 1850

ALPHA EPSILON CHAPTER

Established 1898



PHI KAPPA SIGMA

Alpha Epsilon Chapter

3236 South Michigan Boulevard

Colors—*Old Gold and Black* Flower—*None*

FACULTY MEMBERS

John J. Schommer Walter H. Seegrist

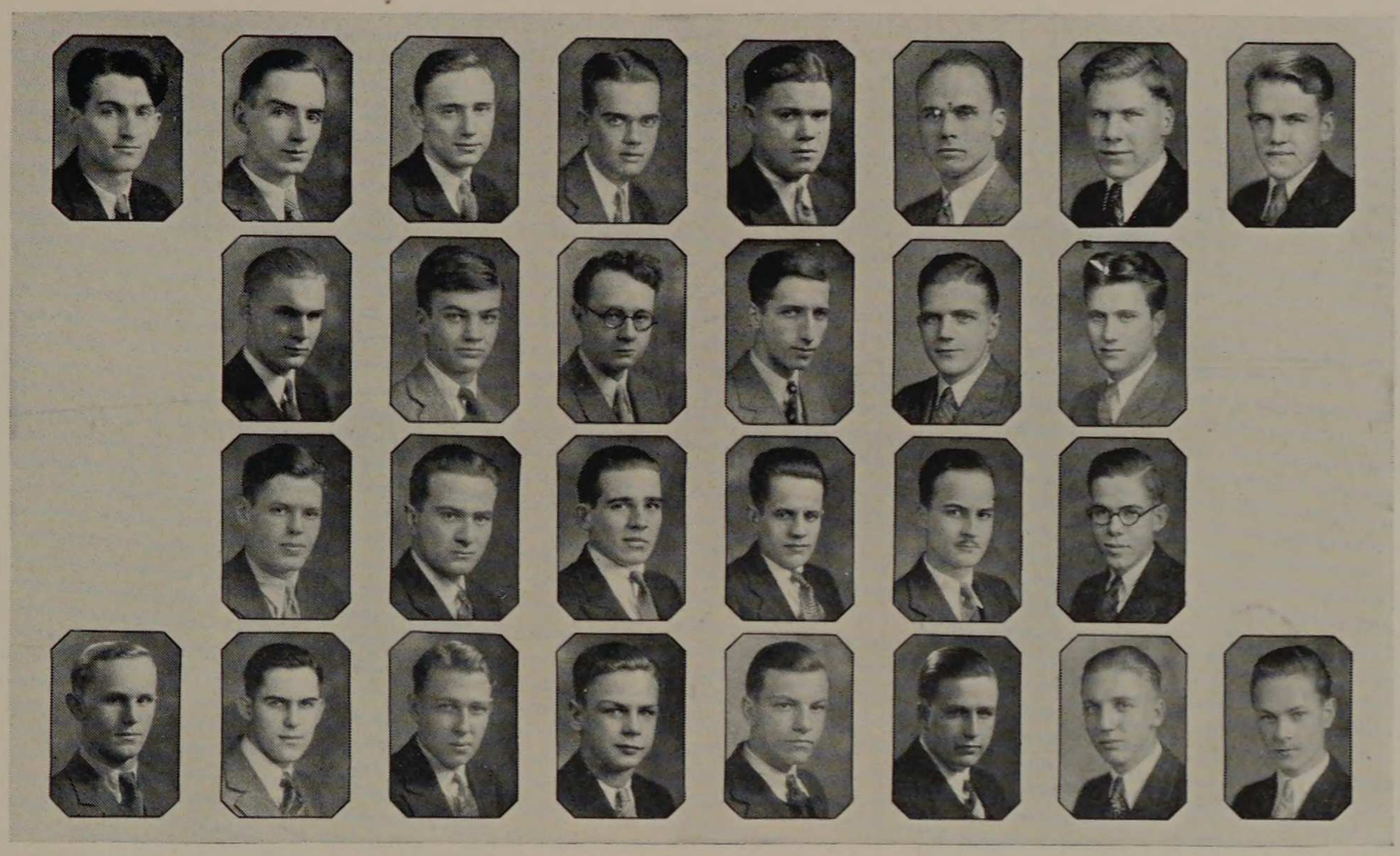
ACTIVE MEMBERS

Fred S. Beale
Robert O. Belford
Clarence D. Brown
James E. Bryant
Guy Burnett, Jr.
Ellsworth E. Eberth
Howard S. Hendricks
James W. Juvinall
Edwin H. Knox
Maxwell C. Larkin
Henry A. Larsen
John H. Miller
Ray Nelson
Henry Regnery
Harold A. Reich
Walter Scott, Jr.
Carrol K. Simons
Emerson G. Squires
Herbert F. Vallette
George N. Waniata
Henry B. Weis
Claude M. Westerman
Robert N. Wilson
Don L. Jacobson
Carl H. Sachs
Russell F. Sullivan
Paul J. Thompson
Blaise A. Guettler (Alpha Theta)

PLEDGES

Edward O. Dase
Andrew J. Anderson

Alpha Epsilon Chapter of the Phi Kappa Sigma Fraternity was the first fraternity to be established on the campus of Armour Institute of Technology. Fifteen of the foremost young men in school in the year of 1896 organized the Paragraph Club, their house being located at Thirty-fourth street and Armour Avenue. The Paragraph Club was limited to fifteen members and after their organization it was their aim to petition a national fraternity. After flourishing for two years as a local organization, this Paragraph Club received its charter as Alpha Epsilon Chapter of the Phi Kappa Sigma Fraternity. This marked the coming of the first national fraternity on the Armour campus.



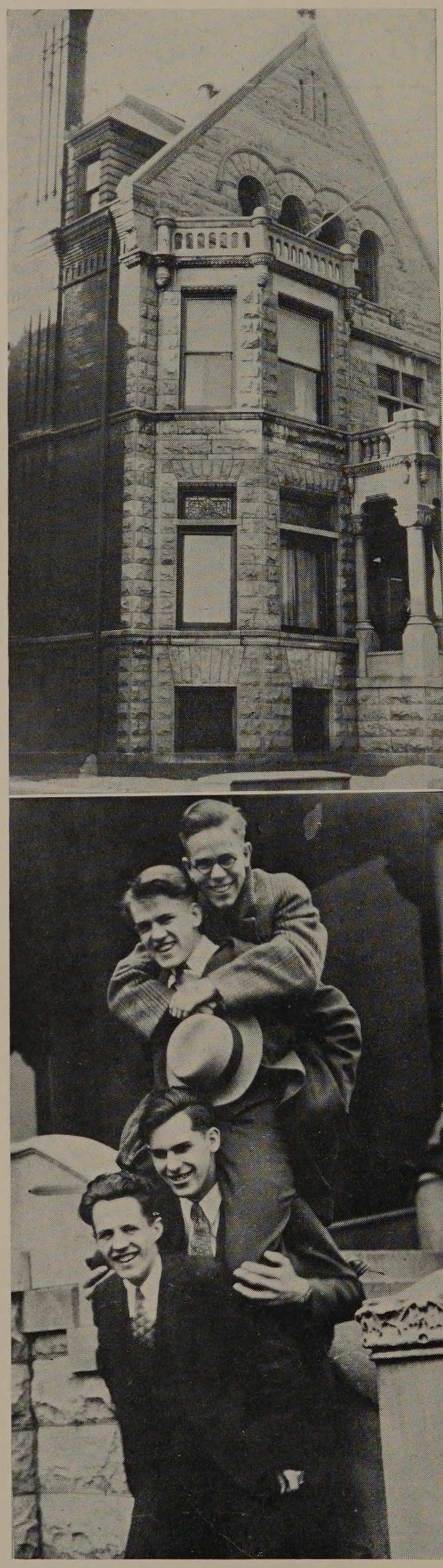
Knox, Squires, Wilson, Weis, Larkin, Westerman, Nelson, Belford
Beale, Regnery, Miller, Brown, Scott, Bryant
Hendricks, Burnett, Vallette, Reich, Simons, Juvinall
Thompson, Eberth, Waniata, Jacobson, Dase, Sullivan, Sachs, Anderson

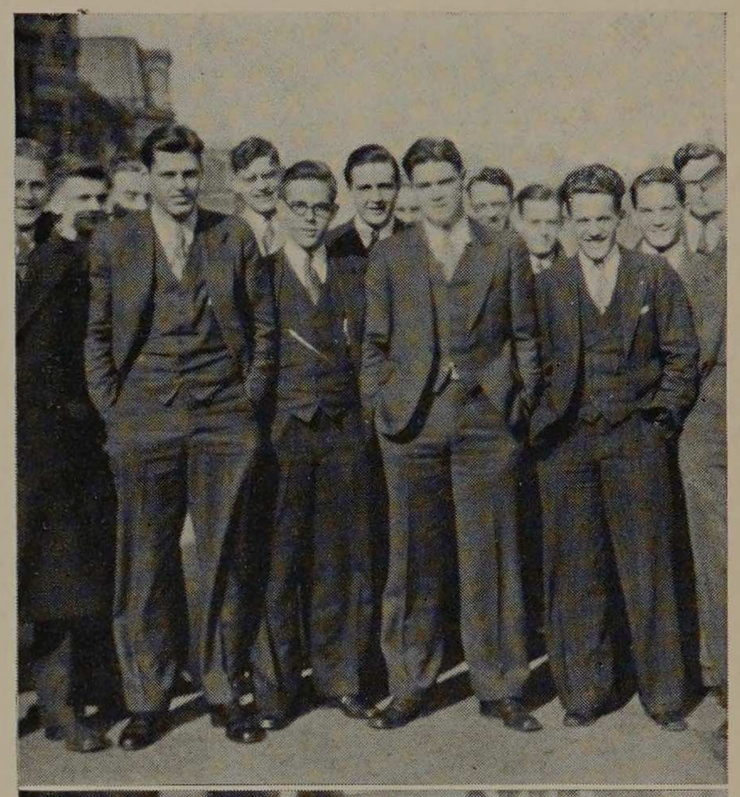
SOCIAL CALENDAR

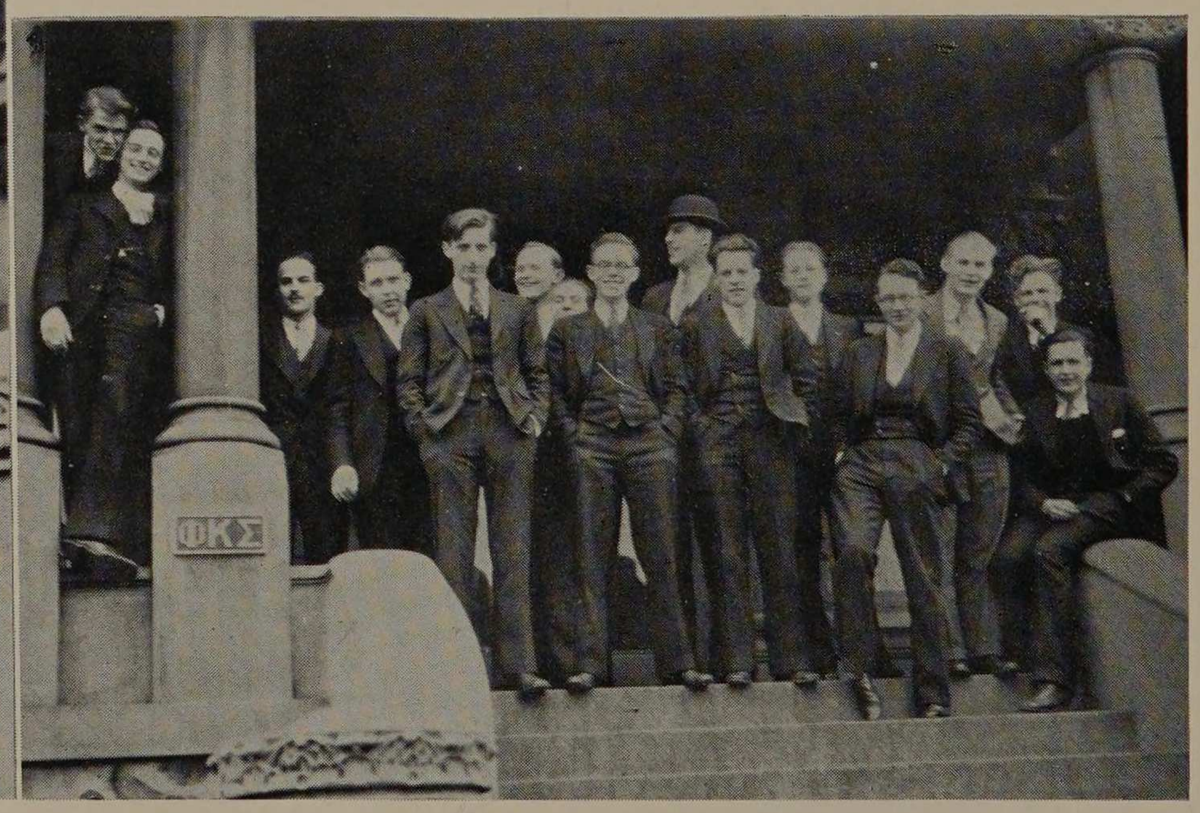
Rushee Dance	October 11
Pledge Dance	October 25
Founders Day Banquet	October 18
Parents Reception	November 10
Masquerade Halloween Dance	October 31
Alumni Smoker	December 13
New Years Dance	December 31
Tri-Chapter Initiation	February 20
Bar Dance	March 20
Alumni Smoker	April 4
Chapter Picnic	May 4
Senior Farewell Formal	May 29

Alpha Epsilon chapter is the twenty-fourth chapter of the fraternity which now reaches from coast to coast.

Phi Kappa Sigma was founded in 1850, the parent chapter being established at the University of Pennsylvania. Since that time the fraternity has made a steady and careful climb as can be seen by the expansion policy followed. The fraternity is represented in both technical and liberal arts colleges, and consequently may offer as her alumni, men who are leaders in all branches of work in the industrial, business, and professional world.





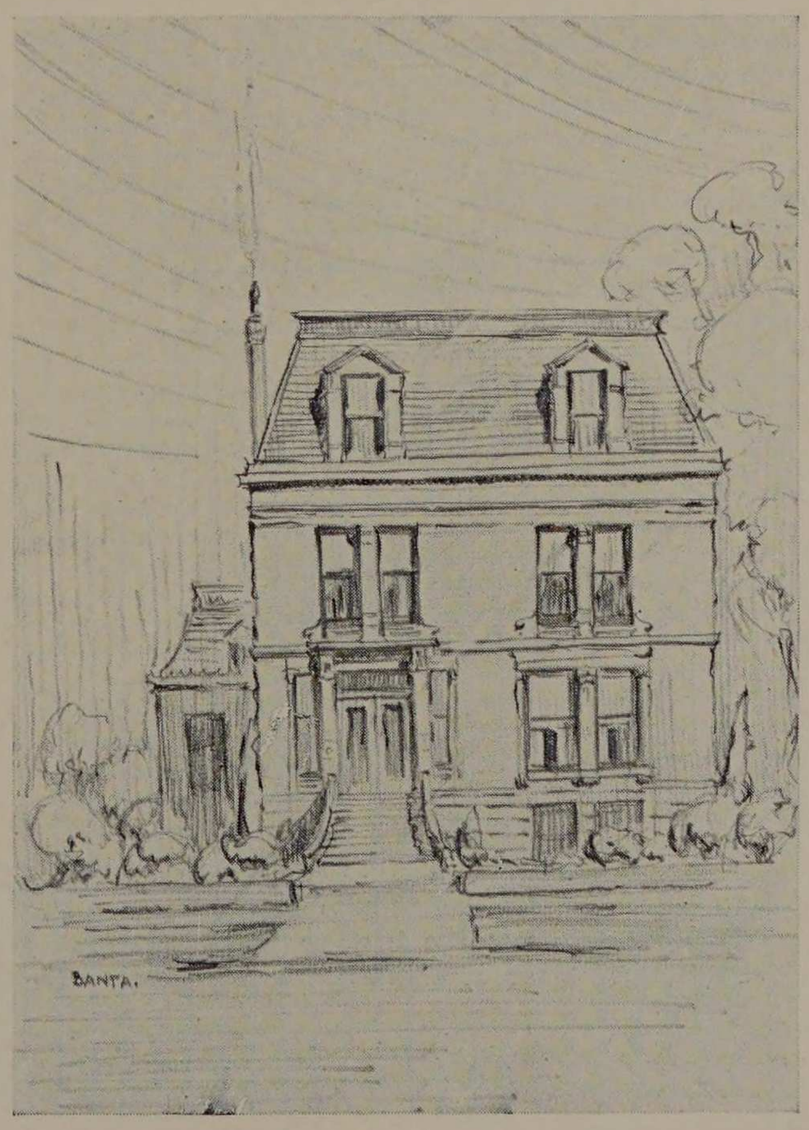

ΦΚΣ

DELTA TAU DELTA

Founded at Bethany College in 1859

GAMMA BETA CHAPTER

Established 1901



DELTA TAU DELTA

Gamma Beta Chapter

3155 South Michigan Boulevard

Colors—*Purple, White and Gold* Flower—*Pansy*

FACULTY MEMBER

Arthur H. Carpenter

ACTIVE MEMBERS

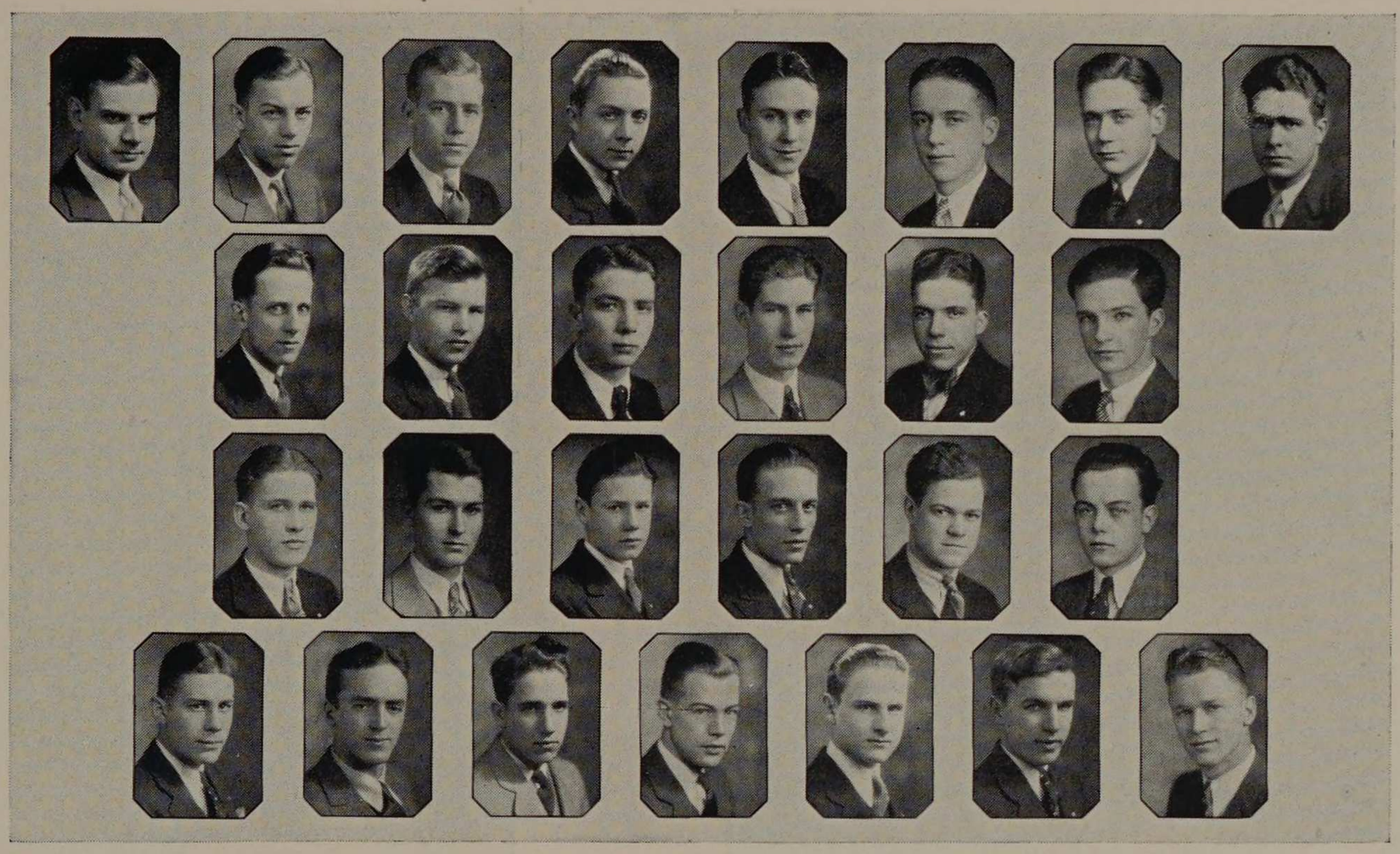
Marshall R. Beal
Spencer B. Cone
Raul H. Frye
Francis M. Gibian
Elmer T. Holin
Harmon S. Holt
John R. Jackson, Jr.
Walter H. Larson
A. Julian Lenke
Thomas D. Luckett
James M. McAlear
David W. Pearson
Harold A. Pearson
Raymond A. Peterson
Glen W. Schodde
Theodore R. Schueler

PLEDGES

George H. Bills
Robert I. Drum
James R. Duncan
George G. Gebhardt
Frederick C. Lowry
Frederick Ollison, Jr.
Thomas C. Peavey
Robert H. Schorling
Philip O. Schuster
Louis H. Streb
Robert R. Tufts

Delta Tau Delta was founded at Bethany College, West Virginia, in 1859. The Rainbow Fraternity, which had been organized for a good many years, was absorbed by Delta Tau Delta in 1886. The Rainbow was the first distinctly Southern fraternity, having at the time of the consolidation, ten chapters. Out of compliment to the older order, the official journal of Delta Tau Delta was named the Rainbow.

Gamma Beta chapter of Delta Tau Delta grew from a club that was formed by seven members of the class of 1903. The club progressed under the name of the Monolith Club until April 16, 1900,

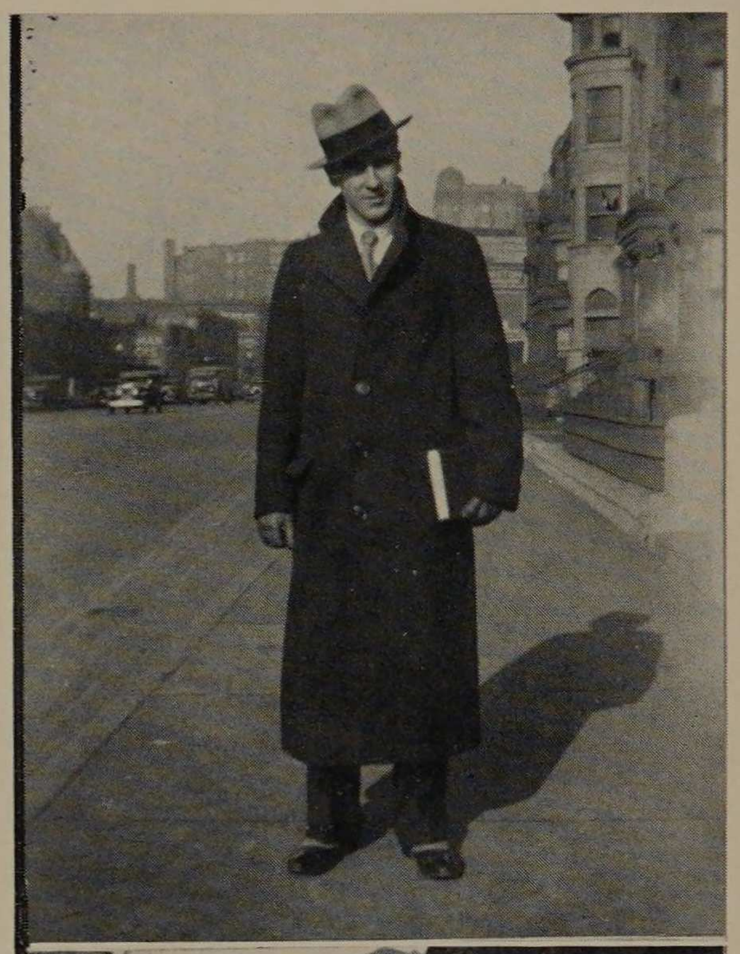


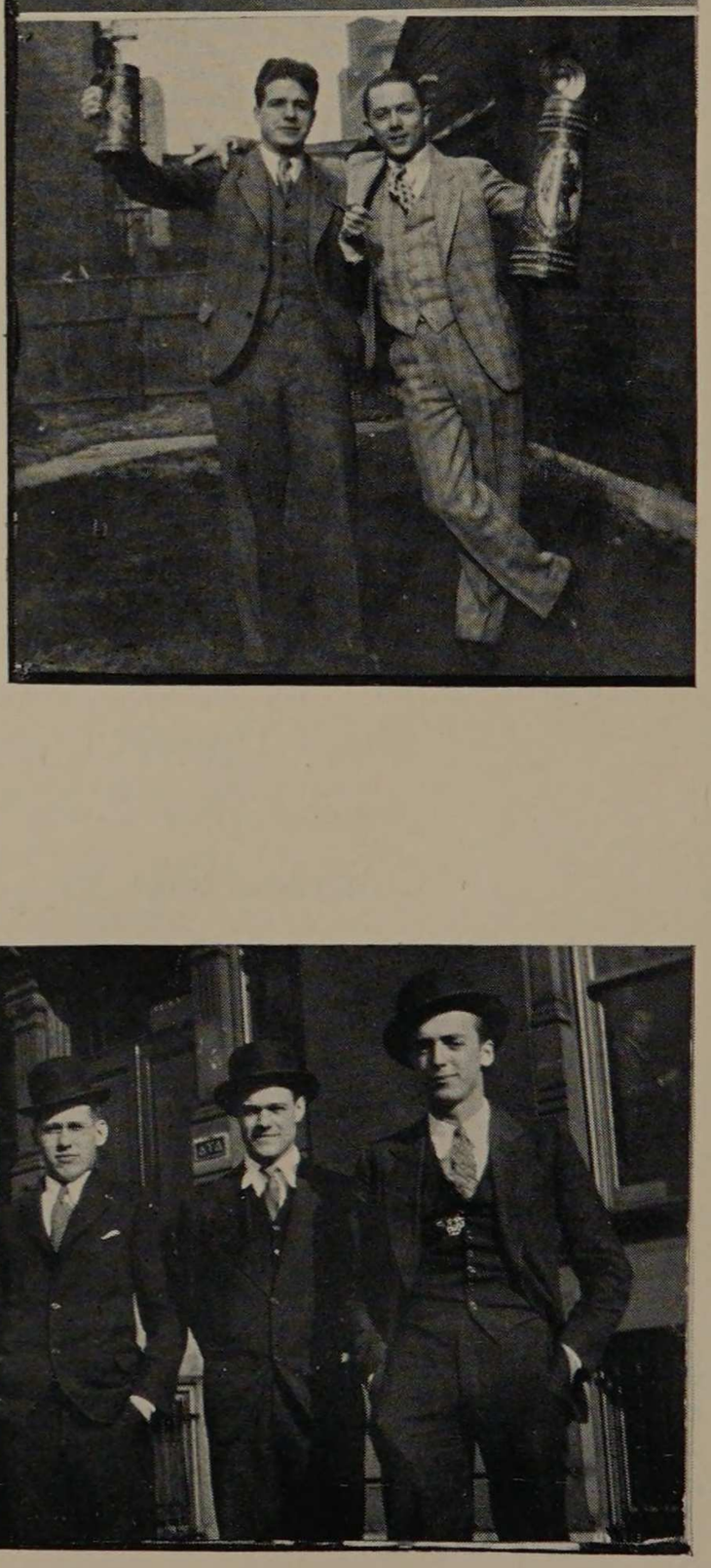
Lenke, Schueler, Holin, Schodde, McAlear, Gibian, Beal, Holt
Mell, Jackson, D. Pearson, Cone, H. Pearson, Larson
Peterson, Gebhardt, Schorling, Drum, Luckett, Frye
Bills, Tufts, Streb, Ollison, Peavey, Lowry, Schuster

SOCIAL CALENDAR

Rushing Dance	October 8
Doc Wieland's Annual Banquet	November 8
Formal House Party	December 13
House Dance	January 24
House Dance	February 21
Annual Delt Prom	March 6
Initiation Banquet	March 22
House Dance	April 18
Chapter Anniversary Party	May 9
Farewell Dance	May 31

when it was reorganized and called the Consonant Club. Two of the members of the club were members of Delta Tau Delta, having come to Armour from Ohio Wesleyan University. At this time the club had a membership of sixteen men. Their home at this time was a flat which they had obtained from the Armour estate through the help of V. C. Alderson, who was at that time Dean of the school. A petition for membership was presented at the Western Division Conference of Delta Tau Delta on February 22, 1901. On the eighth of May, 1901, Gamma Beta Chapter of Delta Tau Delta was installed at Armour Institute of Technology. It is the forty-first chapter of a roll which now numbers seventy-four.



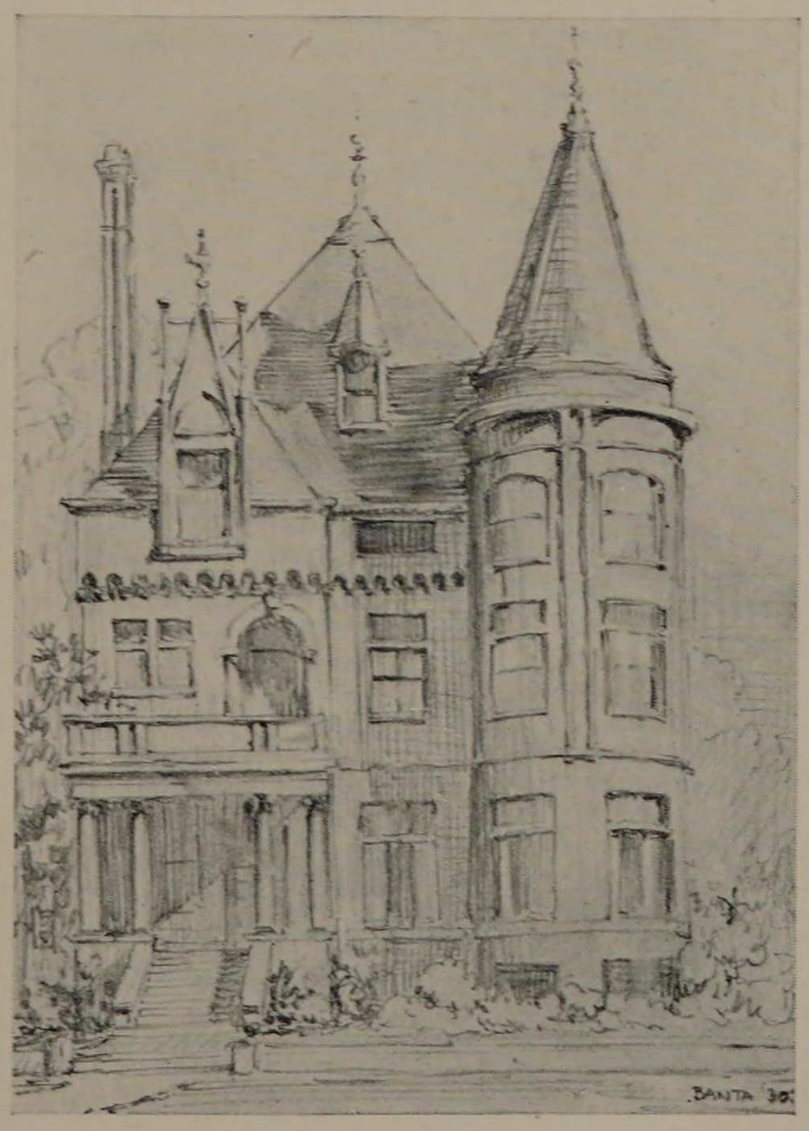


THETA XI

Founded at Rensselaer Polytechnic Institute in 1864

ALPHA GAMMA CHAPTER

Established 1922



THETA XI

Alpha Gamma Chapter

3305 South Michigan Boulevard

COLORS—*Blue and White* FLOWER—*None*

FACULTY MEMBERS

Charles E. Paul John C. Penn Robert V. Perry Arthur W. Sear

ACTIVE MEMBERS

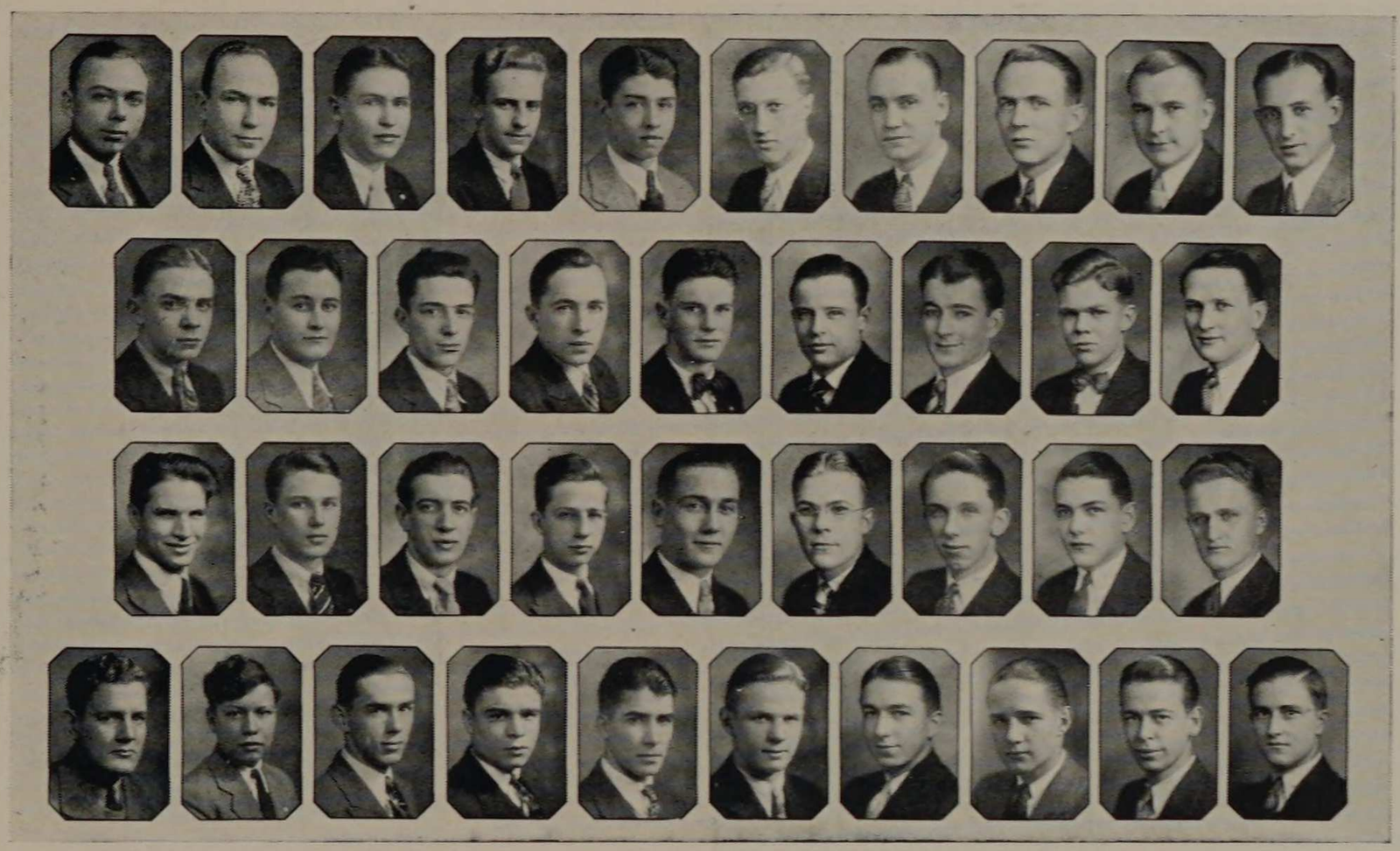
Wilber E. Baumann
George R. Belton
Roy W. Carlstrom
James J. Casey
A. Edward Colcord
George A. DeBolt
Ray L. Ellis
Kenneth D. Hansen
William D. Jackson
Frank M. James
Carl E. Kreibich
S. Trowbridge Leavitt
Russell E. Long
Myron E. Lukey
Charles R. Marsh
Robert F. Meehan
Richard J. Mulroney
Fred T. Munch
Orland R. Murphy
Clifford A. Nelson
Raymond E. Nelson
Jack R. Pechman
Emmett A. Scanlan, Jr.
Walter E. Schirmer
William A. Schrader
R. Harry Smethells
Jarl T. Sorensen
Walch W. Tyler

PLEDGES

John L. Brenner
Norman E. Colburn
William V. Kosan
J. Arthur Larson
Elmer G. Lundin
David S. Manson
Harold C. Reynolds
Leonard G. Rummel
J. Herbert Schamp
Carl T. Seaberg
William T. Smethells

The Omega Lambda local fraternity was organized and given recognition by the Institute in 1909, as the first local fraternity at Armour. It was formed by an active group of eight men, who founded this organization as a living representation of their ideals of friendship and brotherhood.

The group had put considerable time into consideration of the logical national fraternity which they desired to petition, and finally decided on the Theta Xi Fraternity. As a consequence of this action, the Omega Lambda local fraternity received a charter as the Alpha Gamma Chapter of the



Murphy, Schrader, Pechman, DeBolt, Baumann, Schirmer, James, Lukey, Munch, Kreibich
C. Nelson, Belton, Leavitt, Casey, Sorensen, Colcord, H. Smethells, Mechan, Long
Manson, Carlstrom, Mulroney, Scanlan, Ellis, R. Nelson, Jackson, Tyler, Hansen
Larson, Seaberg, Colburn, Kosan, Reynolds, Lundin, W. Smethells, Rummel, Schamp, Brenner

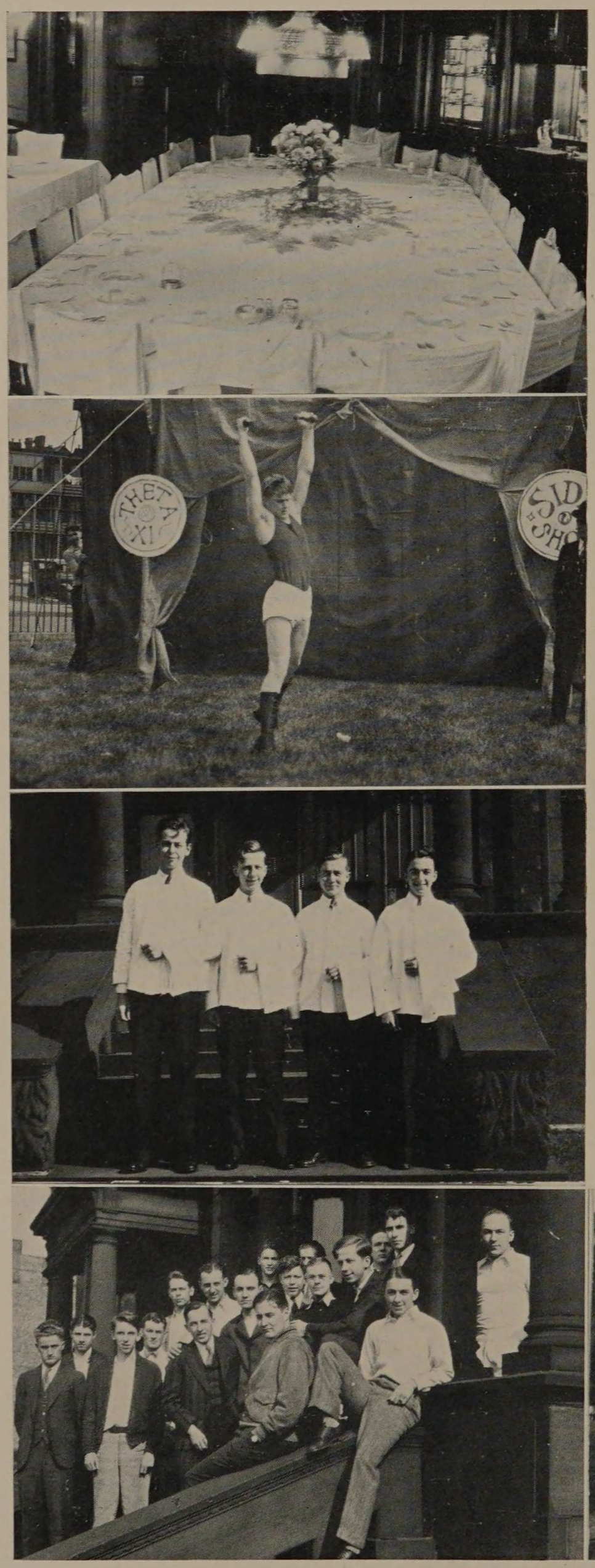
SOCIAL CALENDAR

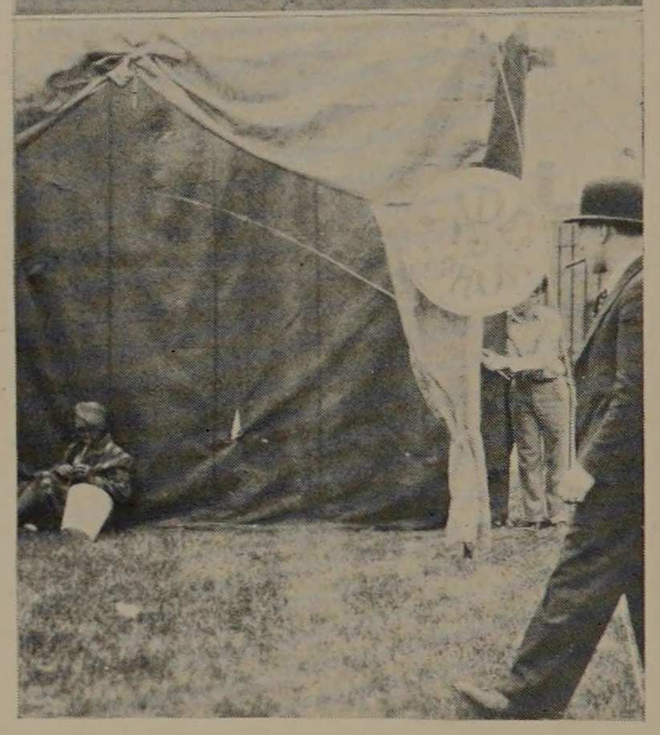
Rush Dance	October 4
Rush Dance	October 8
Tea Dance	October 19
Halloween Party	November 1
House Dance	November 22
Dinner Dance	December 14
House Dance	January 24
House Dance	February 28
Hard Times Party	March 21
Spring Formal	April 18
Founders Day Banquet	April 25
House Dance	May 16
Picnic	May 31

Theta Xi Fraternity in April, 1922. The group prospered rapidly, and since its inception at Armour, Theta Xi has enjoyed a large amount of success.

Theta Xi holds a National Convention each year, the convention site being chosen in different sections of the country for each year. Here the national policies of the fraternity are decided upon and all work of a legislative nature is accomplished.

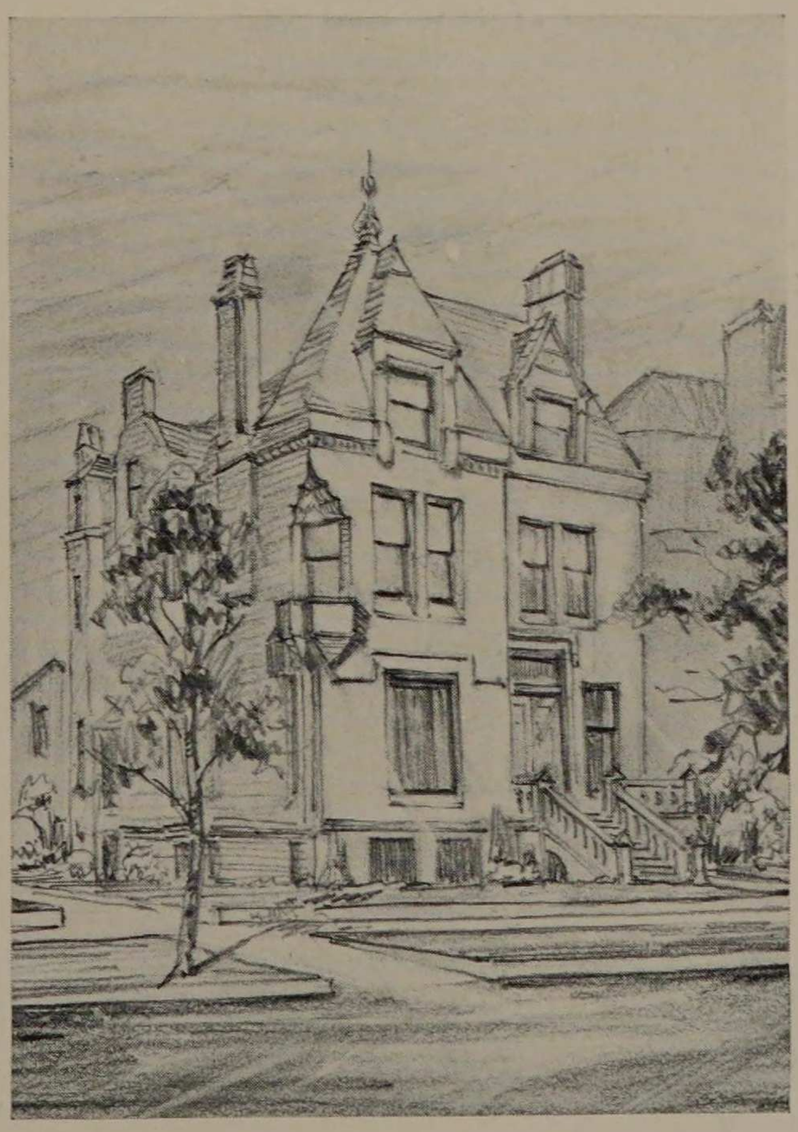
Theta Xi Fraternity was founded at Rensselaer Polytechnic Institute, Troy, N. Y., in 1864. It was the only fraternity to be founded during the period of the Civil War.





Sigma Kappa Delta

Founded at Armour in 1912



SIGMA KAPPA DELTA

ALPHA CHAPTER

3344 South Michigan Boulevard

COLORS—*Lavender and White* FLOWER—*White Rose*

FACULTY MEMBERS

Henry T. Heald
William H. Lautz
Charles W. Leigh
David P. Moreton
Donald E. Richardson
James C. Peebles
Edwin S. Libby

ACTIVE MEMBERS

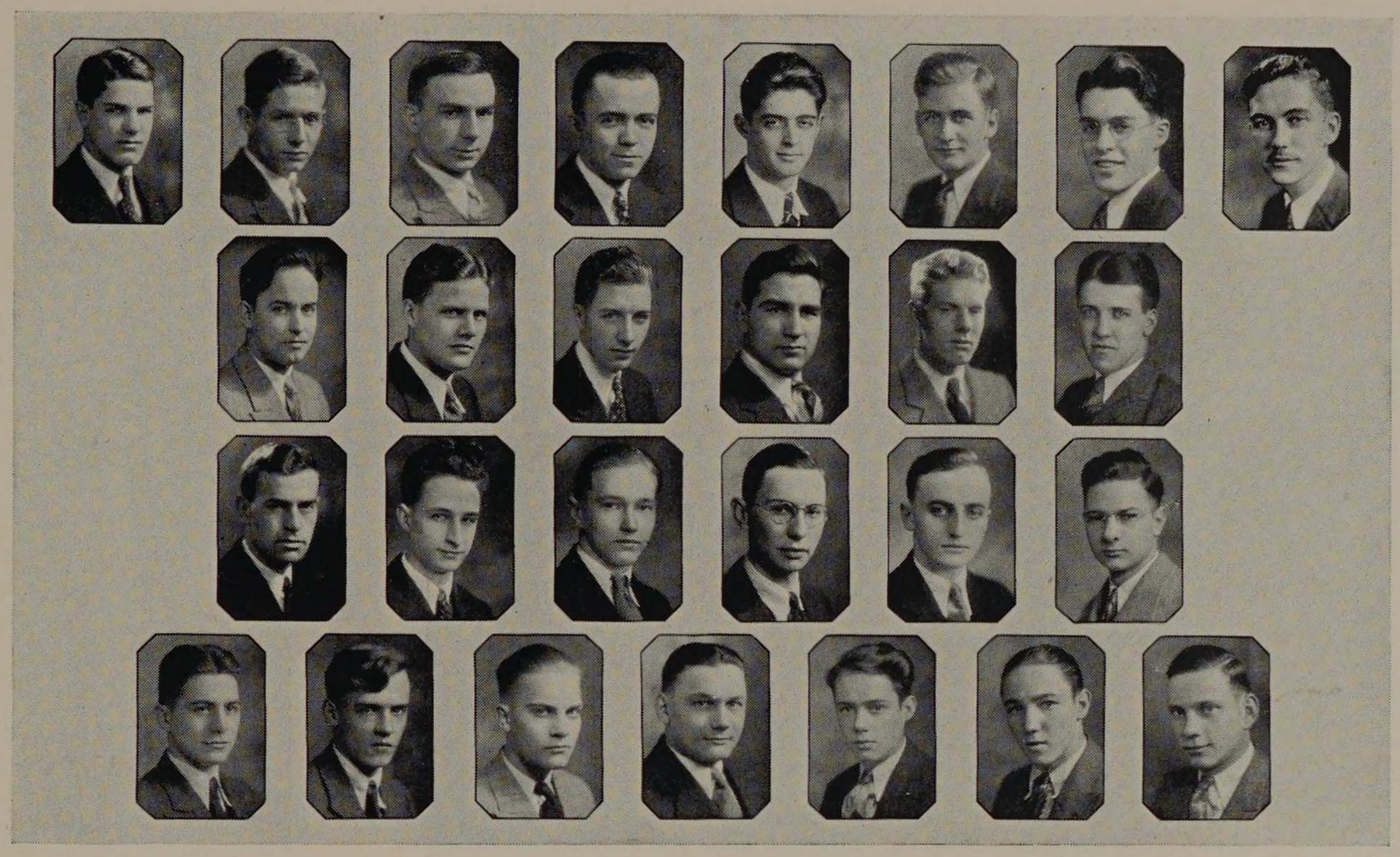
Harold R. Davis
Diamond S. Dickey
Paul C. Drebes
Richard R. Eddy
Charles H. Fox
Harold L. Fox
Charles C. Hawes
Daniel J. Iverson
Arthur H. Jens
Charles J. Jens, Jr.
Phillip H. Korrell
Robert M. Krause
Robert H. Kutteruf
Donald F. Landwer
Charles T. Link, Jr.
Orville G. Linnell
Bradford Larson
William G. Penfold
Frank O'Conor
Harry P. Richter
Edward J. Stehno
Gervase J. Stockmann
Frank F. Strassenburg
Ralph A. Timmermans

PLEDGES

F. M. McConnel
George M. Reed
Victor H. Camsky
Warren A. Larson
Frank J. Yuknis

Nineteen years ago, on September 20, 1912, Sigma Kappa Delta Fraternity was founded. It now ranks as the fourth oldest of the fraternities on the Armour Campus. It is the oldest local fraternity in existence at Armour Institute.

In 1912, ten men who were not satisfied with fraternity conditions at Armour petitioned the Executive officers of the Institute that they might organize a fraternity that would promote high scholar-



H. Fox, A. Jens, Stehno, Link, Kutteruf, Timmermans, Eddy, O'Connor
Penfold, Iverson, Strassenburg, Krause, C. Jens, C. Fox
Korrell, Davis, B. Larson, Hawes, Drebes, Stockmann
Linnell, Richter, Landwer, Camsky, McConnel, Reed, W. Larson

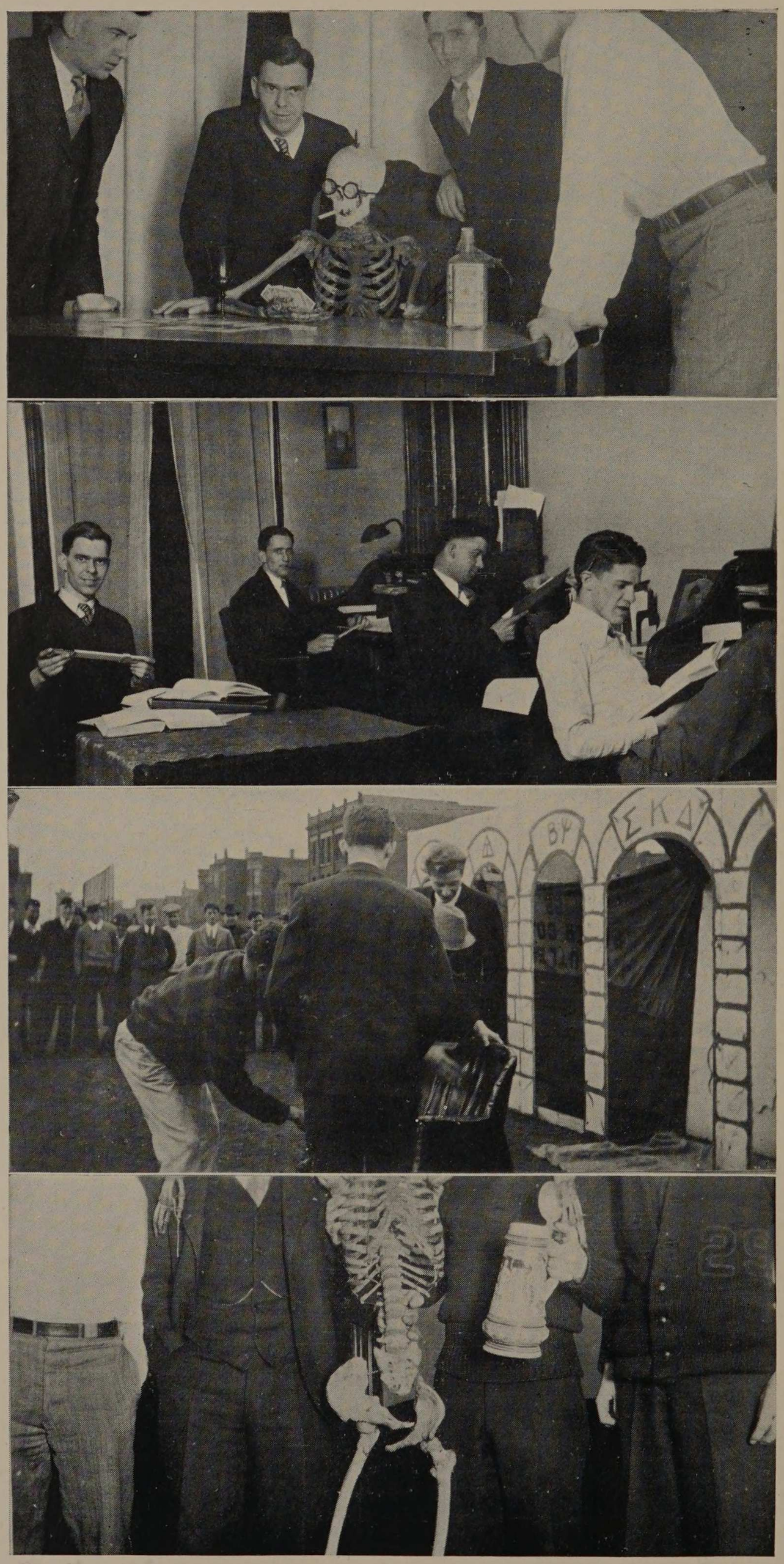
SOCIAL CALENDAR

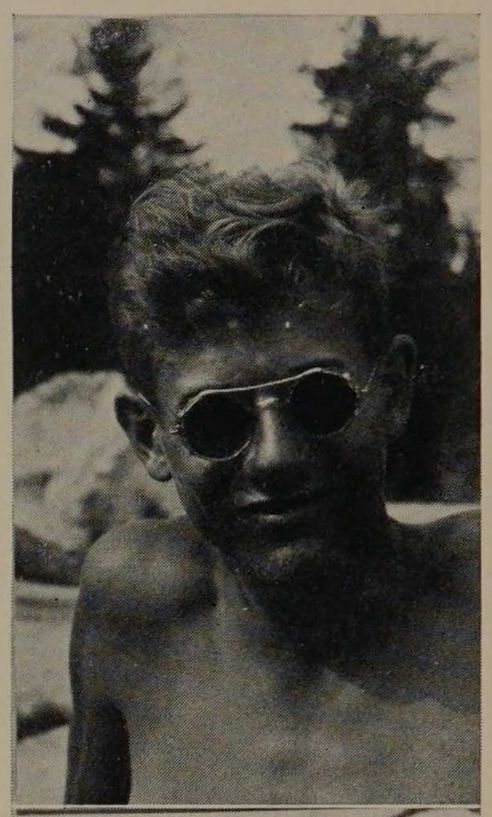
Rushing Dance	October 4
Alumni Smoker	October 9
Radio Dance	October 25
Alumni Smoker	December 6
Christmas Dance	December 20
House Dance	January 22
Pledge Dance	February 7
Initiation Banquet	February 14
Hard Times	April 18
Beach Party	May 30

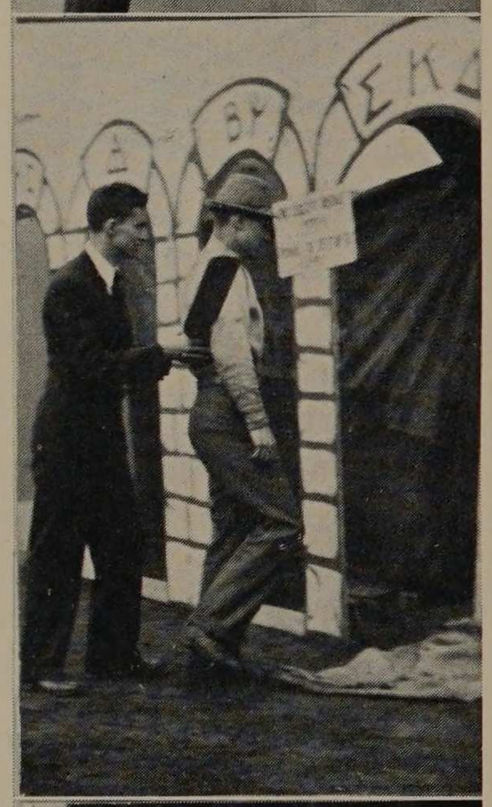
ship and school activities with less emphasis on social functions.

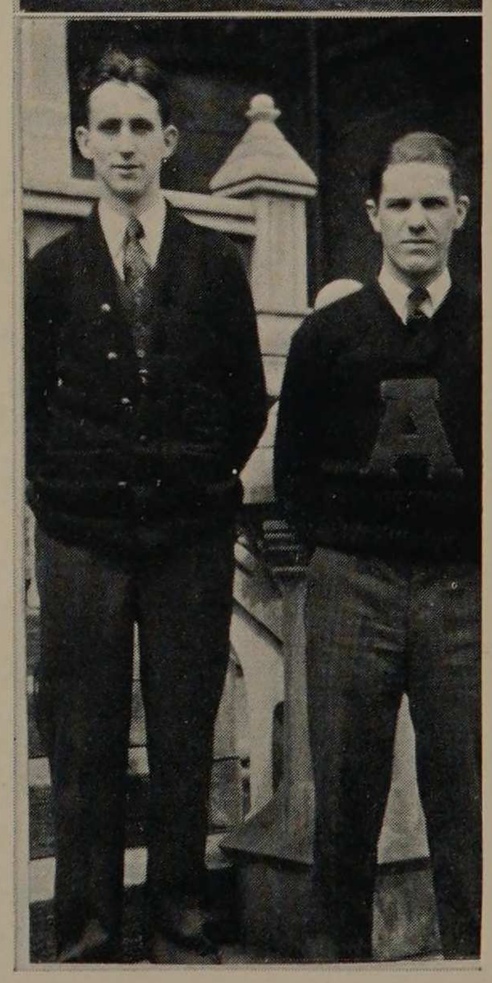
Permission was readily granted and the fraternity was founded. With these ideals in mind Sigma Kappa Delta men have carried on through these many years with an unbounded degree of success.

The House publishes a monthly news information bulletin called the "Triangle" which is distributed to all active and alumni members of the fraternity.









Two Hundred Thirty-four

PHI PI PHI

Phi Pi Phi

Founded at Northwestern University in 1915

GAMMA CHAPTER

Established 1923

PHI PI PHI

Gamma Chapter

3131 South Michigan Boulevard

Colors—*Turquoise Blue and Black* Flower—*Bluebell*

FACULTY MEMBERS

Ernest H. Freeman Otto Kuehn Daniel Roesch

ACTIVE MEMBERS

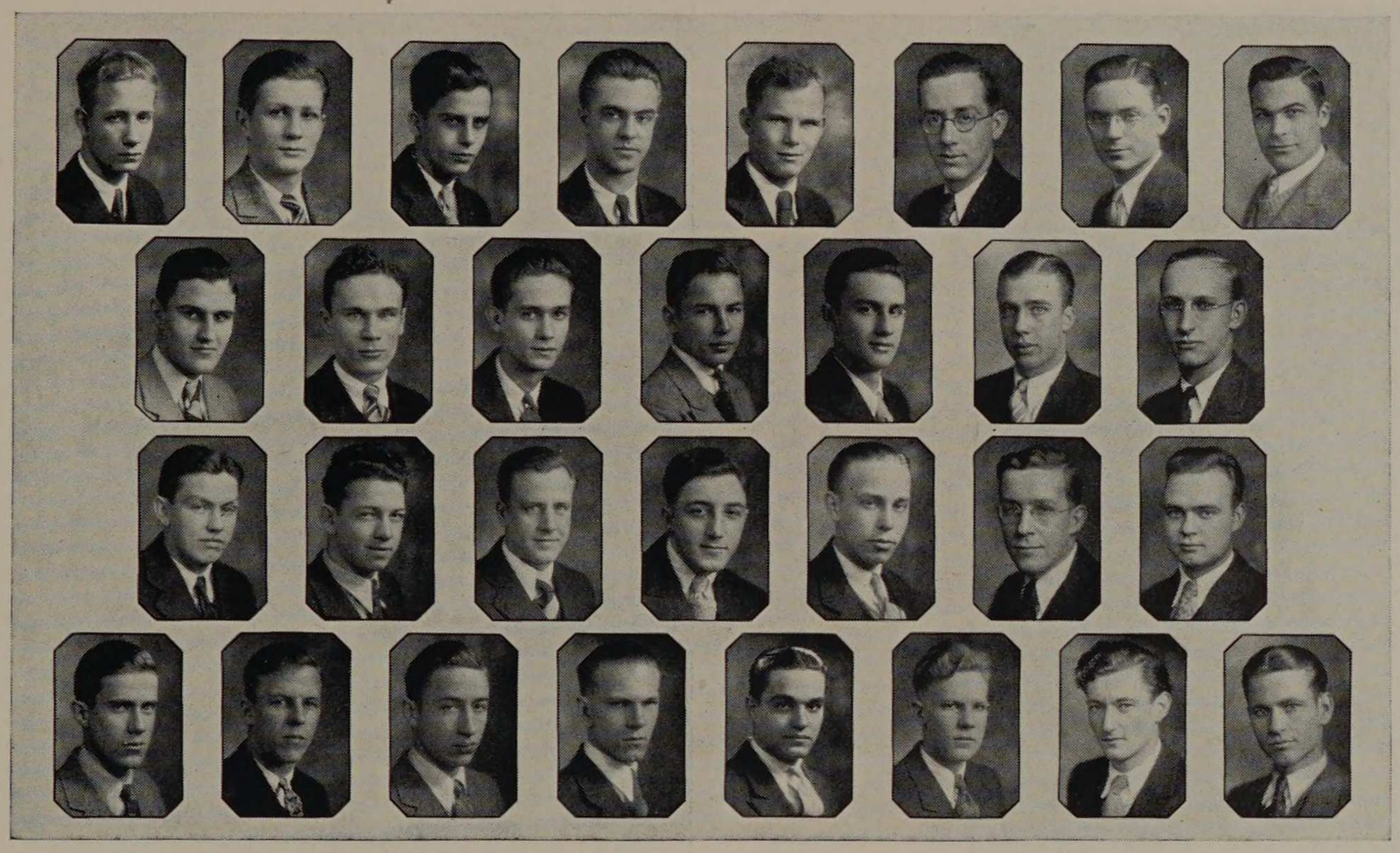
Howard J. Cameron
Stanley A. Carlson
James E. Clayson
Edward C. Erland
Joseph B. Finnegan
Stanley G. Grundstrom
Wesley C. Hartbauer
George J. Hill
Henry F. Leichtenberg
John I. MacLennan
Charles R. Mitchell
Milan J. Morgan
Armin J. Mueller
Vladamir J. Novak
Stanley A. Ott
John C. Owen
Clarence J. Robin
George R. Seiferth
William P. Winkler

PLEDGES

Walter A. Anderson
Loy A. Callen
James E. Castanes
Edward Gisske
George A. Hanes
Richard Kaup
Thelford E. Kelch
Leroy J. Lynch
James Mead
Robert F. Simpson
Frank L. Velat
Raymond J. Pflum

The history of Gamma of Phi Pi Phi is a record of local chapters of two fraternities, namely, Beta Phi and Phi Pi Phi, and of the assimilation of the former by the latter.

In March, 1913, Gamma of Beta Phi was installed on the Armour campus and as a unit of a national organization, flourished for eight years. Then during the war the Beta Phi organization crumbled. However, Phi Pi Phi seemed to flourish in its growth and soon plans for the nationalization of the



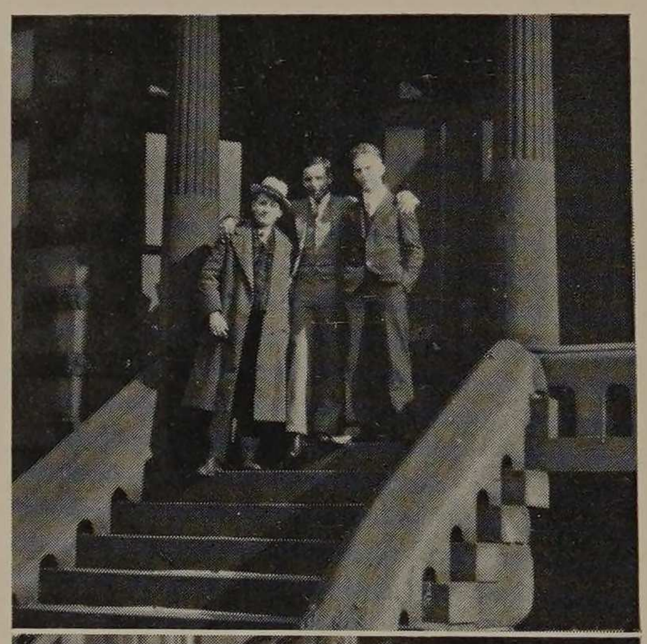
Ott, Owen, Winkler, Hill, Erland, Robin, Morgan, Seiferth
Mueller, Finnegan, Cameron, Hartbauer, Novak, Cruver, Clayson
Gregorson, Lynch, MacLennan, Mitchell, Kaup, Leichtenberg, Grundstrom
Hanes, Mead, Kelch, Simpson, Castanes, Anderson, Gisske, Callen

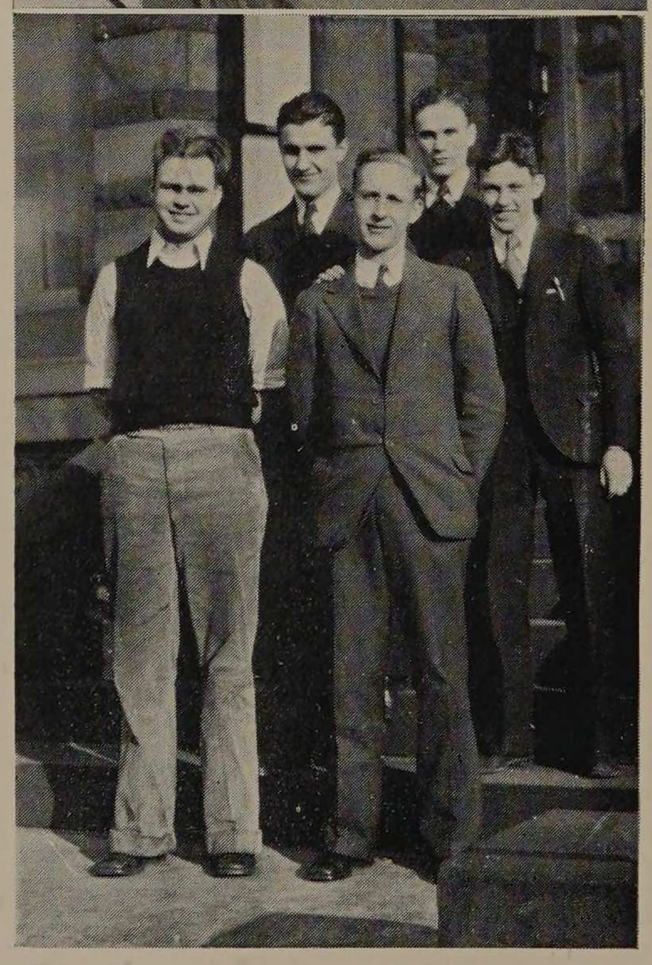
SOCIAL CALENDAR

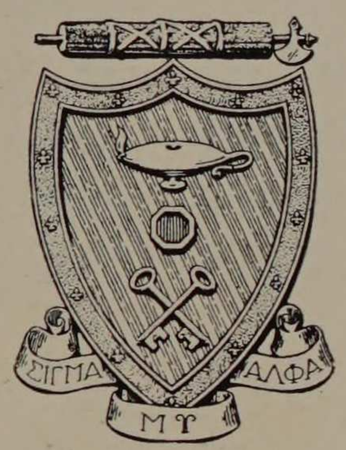
Rush Dance	October 4
Alumni Dance	November 15
Pledge Dance	December 13
New Years Eve Party	December 31
Valentine Informal	February 14
Annual Formal Dinner Dance	March 28
Alumni Dance	April 25
Farewell Party	May 23

local chapter were consummated. On November 24, 1923, Beta Phi was installed as Gamma of Phi Pi Phi. Since this date Phi Pi Phi has continued to grow from an organization in the middle west to an organization ranging from coast to coast.

In Gamma of Phi Pi Phi a united interest has been maintained by inculcating in the mind of each of the new men, from year to year, this spirit so that in any and every undertaking the fraternity acts as one man.





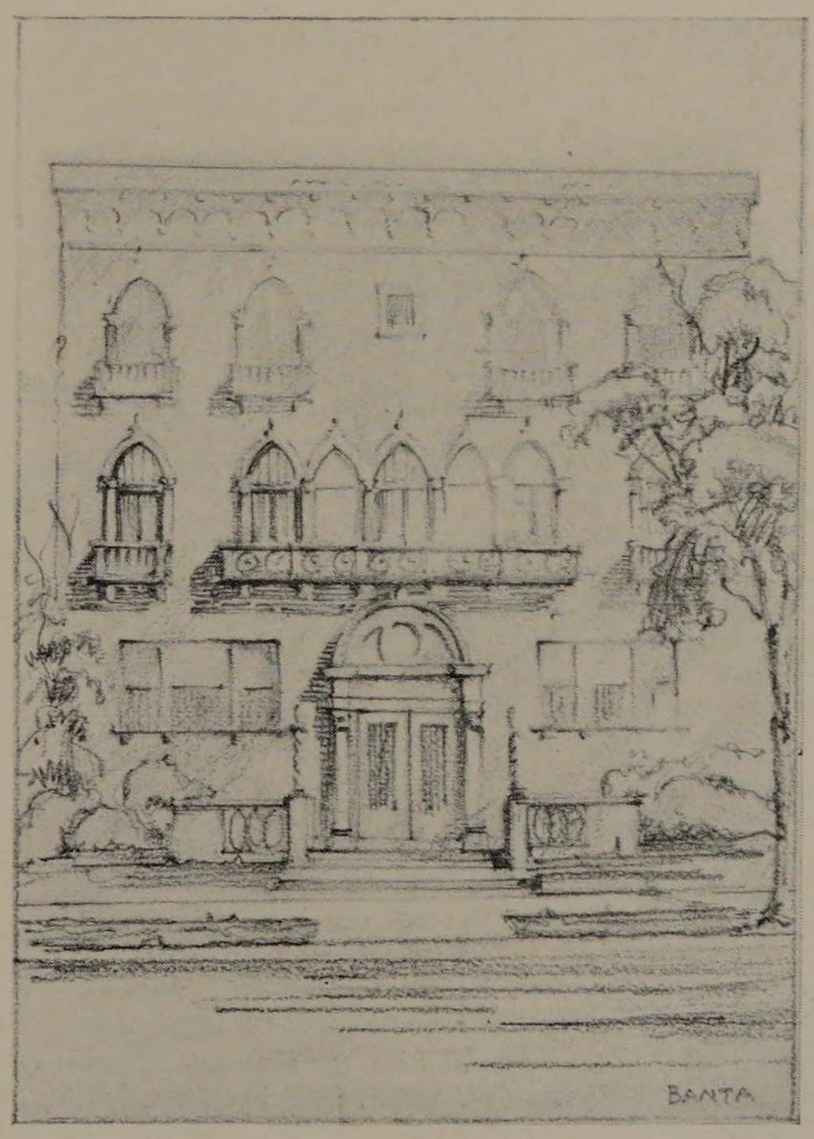


Sigma Alpha Mu

Founded at College of the City of New York in 1909

SIGMA EPSILON CHAPTER

Established 1922



SIGMA ALPHA MU

Sigma Epsilon Chapter

3247 South Michigan Boulevard

Colors—*Purple and White* Flower—*The Purple Aster*

ACTIVE MEMBERS

Alvin B. Auerbach
Orville T. Barnett
Sol Edelman
Alvin M. Hoffberg
Herbert Kreisman
Sidney H. Morris
Aaron Poriss
Nathan R. Rosen
Avron L. Simon
E. Boris Stahm
Milton J. Winogrond

PLEDGE

Sidney Simon

The Ohr Club was founded in 1911 by a closely united group of students, all anxious to form a social organization of high order. The group continued in this status until their recognition as a local fraternity by the Institute administration in 1919. In the spring of 1922, the members decided to petition Sigma Alpha Mu Fraternity. They did petition this organization and were subsequently accepted as the Sigma Epsilon Chapter of the Sigma Alpha Mu Fraternity.

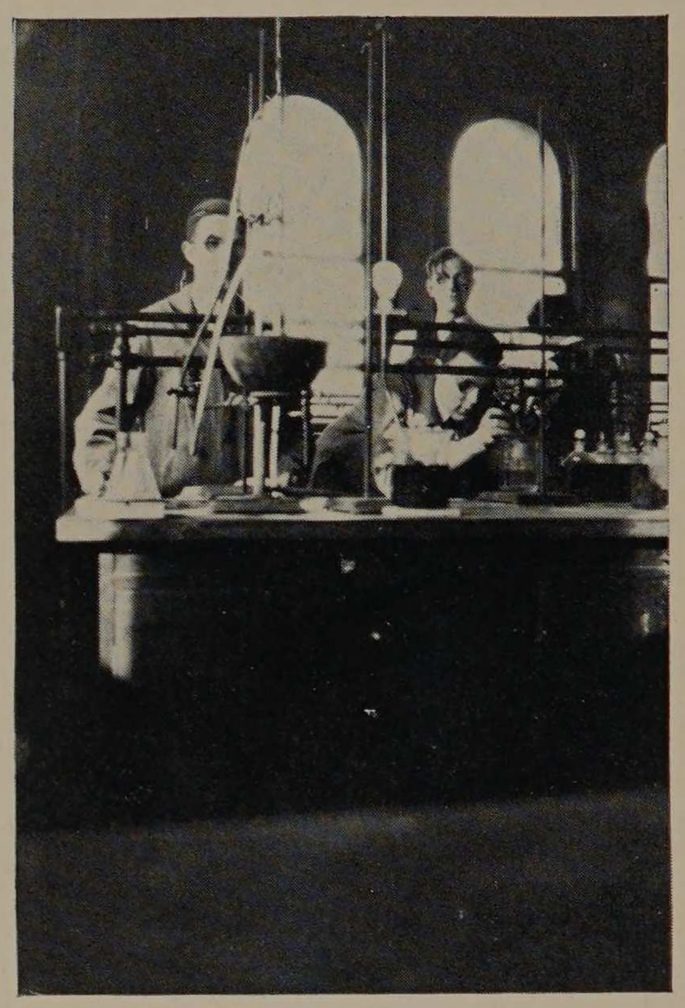
Hoffberg, Morris, Kreisman, Stahm, Auerbach
Barnett, Edelman, Simon, Rosen, Winogrond, Porris

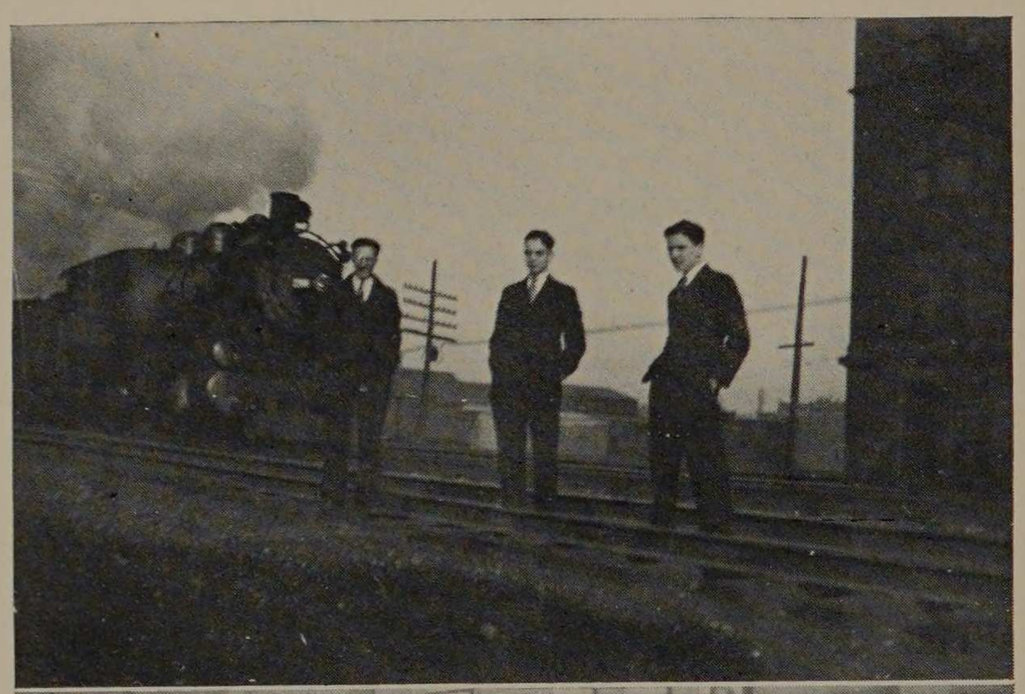
SOCIAL CALENDAR

Rushing Smoker	October 3
Annual Pledge Party	November 8
Founders Day Celebration	November 24
National Convention	December 29-30-31
Mid-Year Dance	February 6
Rushing Smoker	February 15
Informal Reception Smoker	April 9
Annual Spring Alumni Banquet	April 24
Farewell Banquet	May 30

The group has developed steadily throughout its career, and anticipates a year of renewed activity in the next school year.

Sigma Alpha Mu Fraternity holds a National Convention each year, the site changing for each convention. The organization is well founded, and Sigma Epsilon Chapter is a strong bulwark in the national organization.

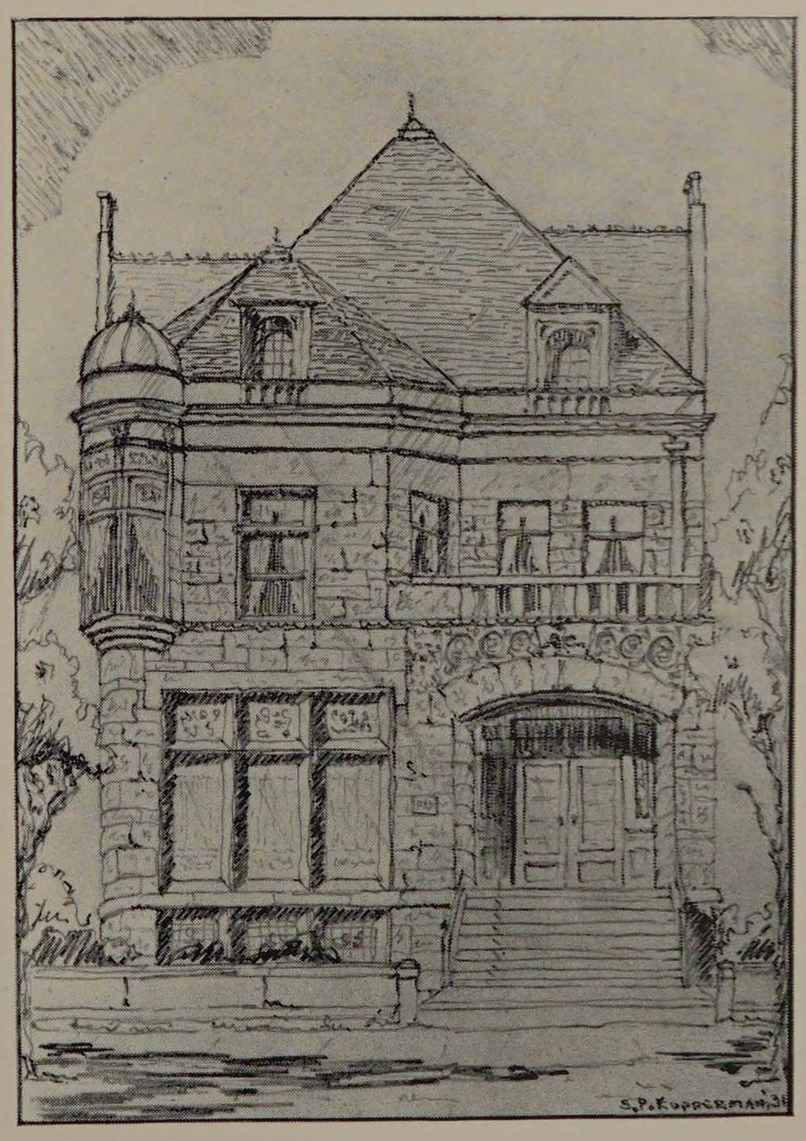




Two Hundred Forty-two

Rho Delta Rho

Founded at Armour in 1919



RHO DELTA RHO

ALPHA CHAPTER

3116 South Michigan Boulevard

COLORS—*Orange and Black* FLOWER—*Acacia*

HONORARY MEMBER

Henry L. Nachman

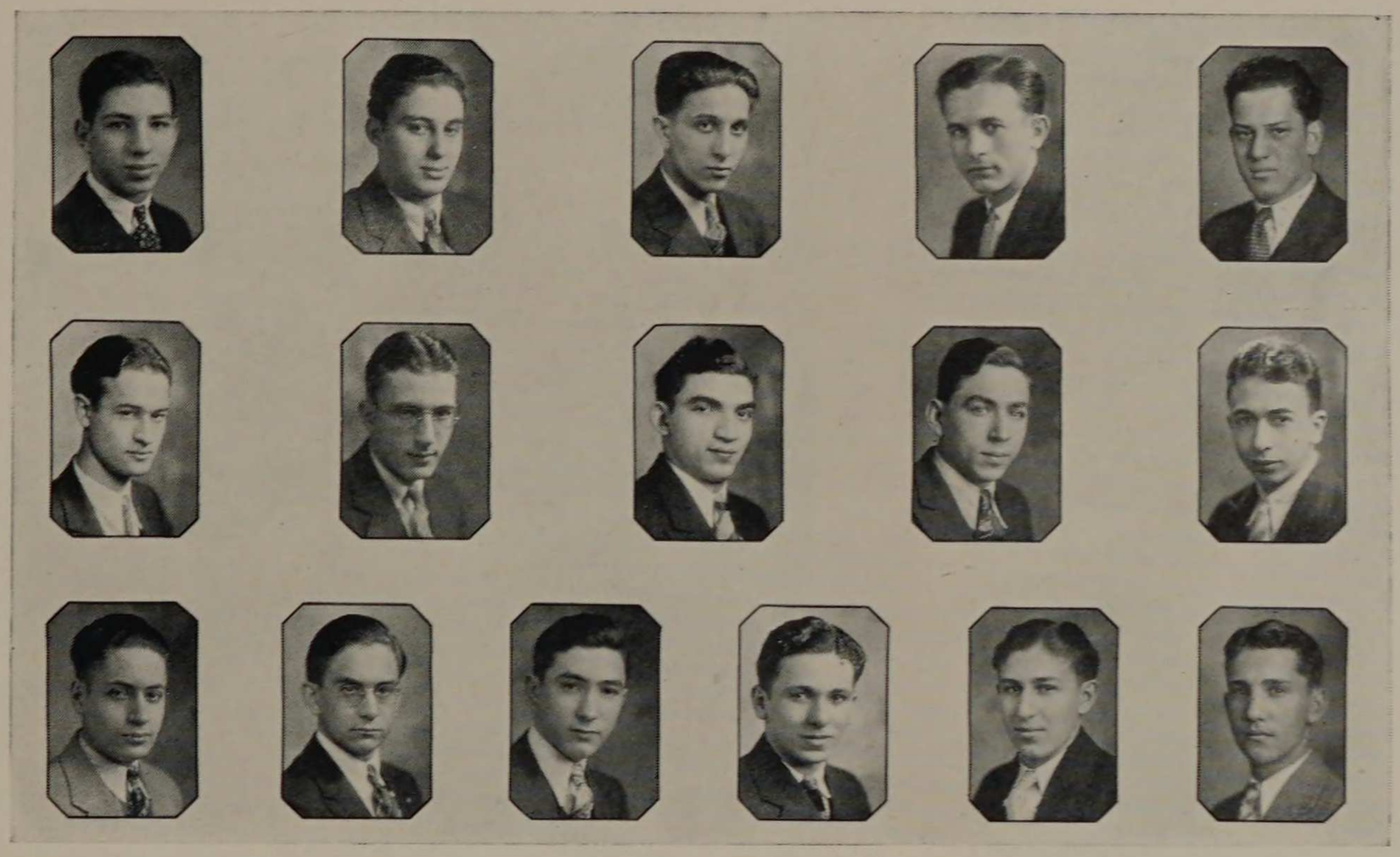
ACTIVE MEMBERS

Joseph H. Aaron
Irving M. Berger
Sidney D. Cannell
Theodore C. Cohan
Isadore Drell
Henry Fishman
Edwin Goldstein
Ira M. Krawitz
Herbert J. Meyer
Sam A. Milevsky
Max W. Morowitz
Merton M. Moskovitz

PLEDGES

Archie Anders
Louis D'Alba
Harold Feldman
Albert Fineberg
Harvey Moskowitz

In the latter months of 1918, several students at Armour Institute of Technology, led by the true spirit of college fraternalism, laid plans for the organization of a fraternity. After a short while the group took definite steps towards becoming a recognized fraternity on the Armour campus. On August 27, 1919, the Rho Delta Rho Fraternity was chartered. Soon afterward a formal petition was drawn up and presented to the Institute. Their petition was accepted and in February, 1920, Rho Delta Rho was established on the Armour campus as a local fraternity.

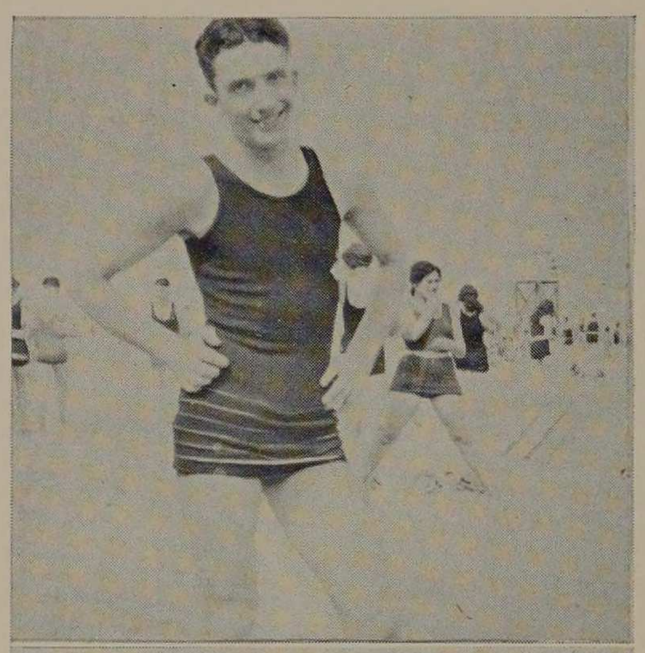


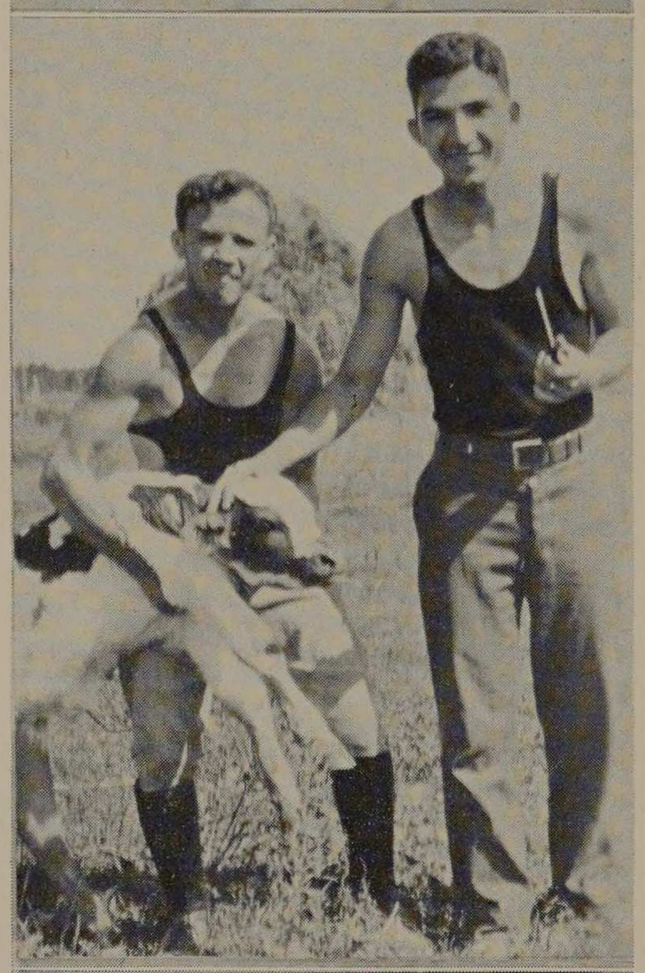
Krawitz, Cannell, D'Alba, Berger, Cohan
Anders, Moskovitz, Aaron, Milevsky, Drell
Goldstein, Feinberg, Fishman, Morowitz, Myers, Moskowitz

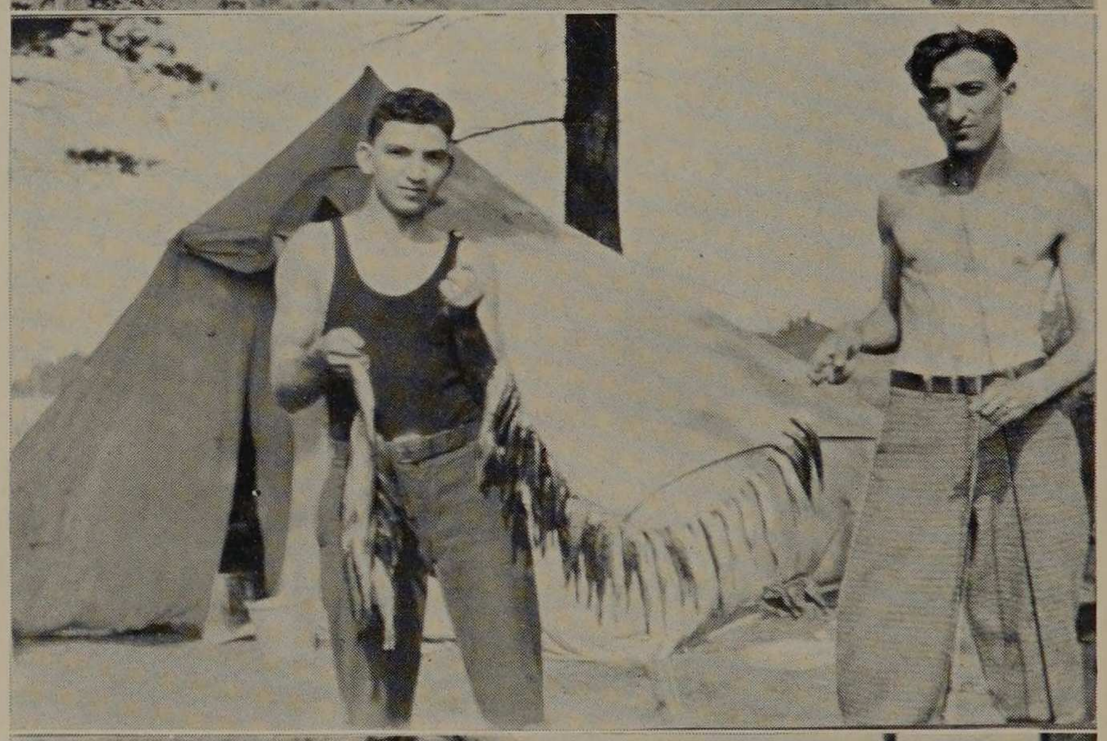
SOCIAL CALENDAR

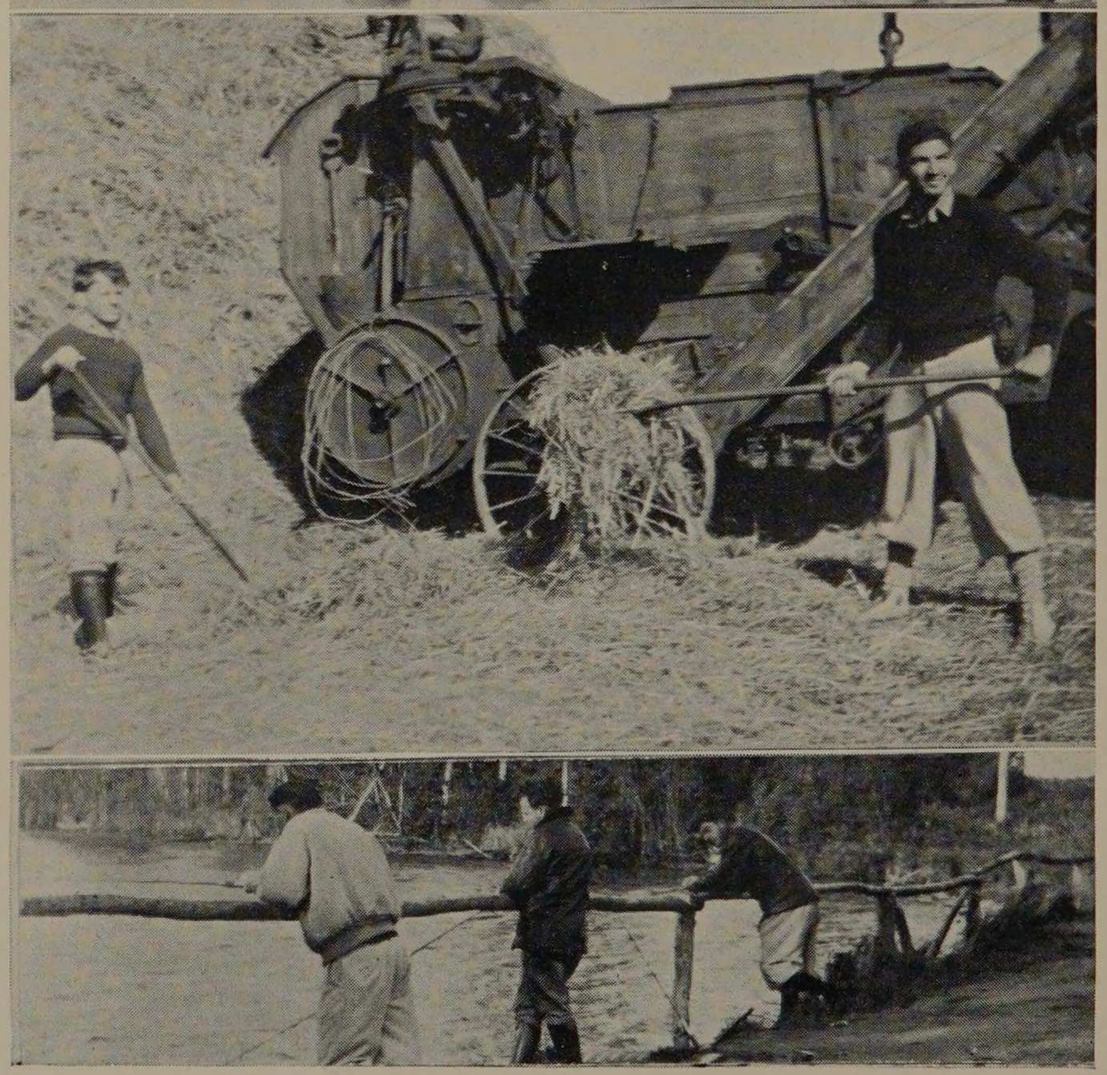
House Warming Party	November 1
Smoker	November 7
Pledge Dance	November 29
New Years Party	December 31
Bridge Party	February 19
Initiation Banquet	April 3
House Dance	April 18
Dinner Dance	May 9
Farewell Party	June 14

The initial membership of this group was only ten in number but because of the ideals set by these ten charter members and the sincerity of the men following in their steps the fraternity has thrived and increased in both size and importance on the campus. The fraternity, in spite of its comparative age with others, has done unusually well. It now boasts an active membership of twelve men and a large alumni group.









TRIANGLE

Founded at University of Illinois in 1907

ARMOUR CHAPTER

Established 1923

TRIANGLE

Armour Chapter

3222 South Michigan Boulevard

Colors—*Old Rose and Grey* Flower—*None*

FACULTY MEMBERS

Philip C. Huntly
William F. McCauchey
*Alfred E. Phillips
Charles A. Tibbals

HONORARY MEMBERS

Harold R. Phalen
Walter A. Reinert

ACTIVE MEMBERS

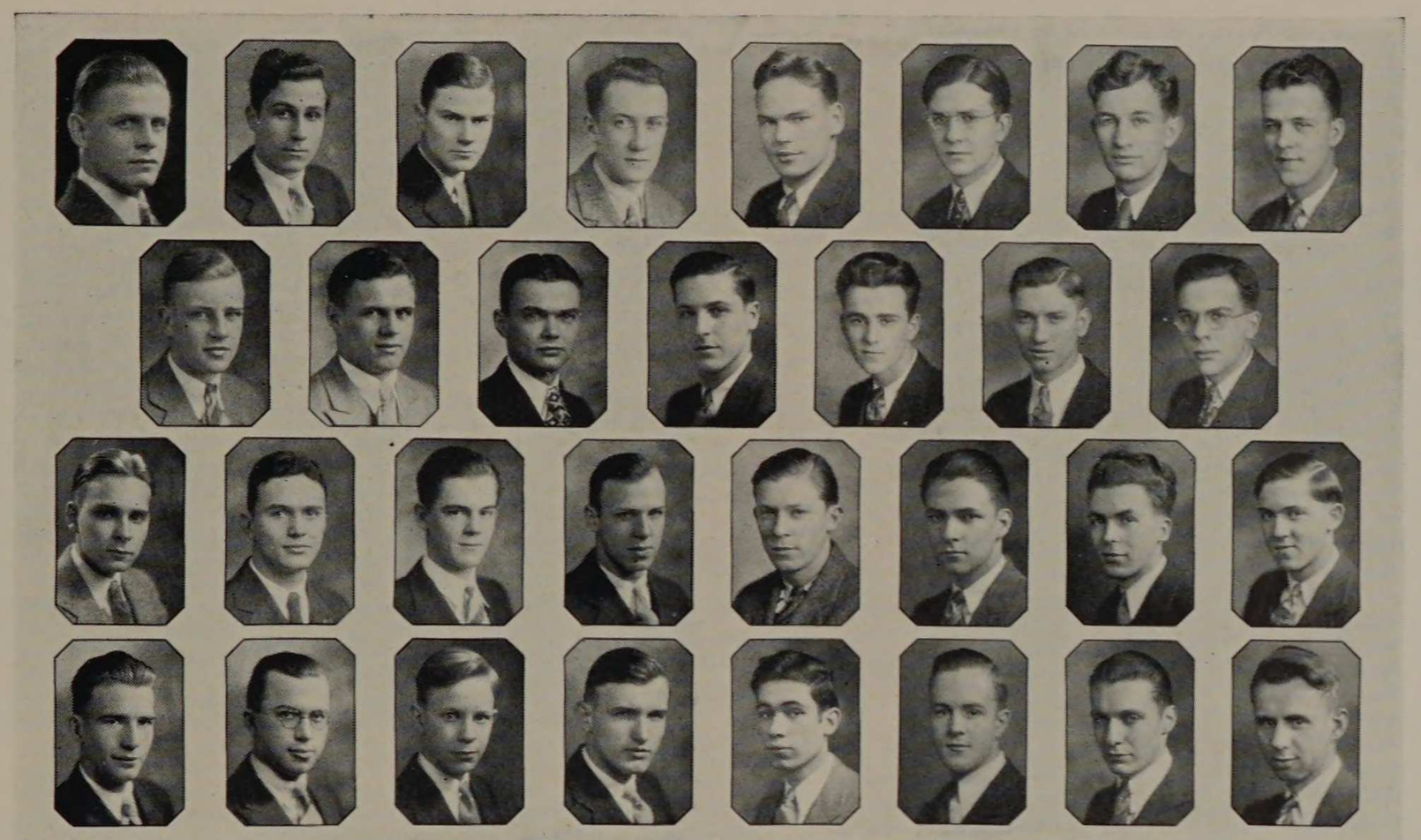
Harry A. Bailey
Gunnar E. Berglund
Harold W. Bodinson
Willard S. Denning
Raymond J. Dufour
Donald M. Fetterman
Edwin C. Kenner
Stanley M. Lind
John F. McKana
Walter A. McWilliams
Arthur W. Oberbeck
Harvey C. Rossing
Edwin A. Runge
Maynard P. Venema
Roger F. Waindle
Roscoe H. Windbigler
Thomas A. Woods
Eugene J. Westenberg

PLEDGES

Vernon C. Alexander
William L. Bengston
Judson F. Bonnell
Arthur J. Cohrs
Roy A. Ekroth
Stephen M. Lillis
William A. Malloy
James F. Manly
John T. Markman
George B. McBrady
John E. Schreiner
Eric H. Smith
Roy F. Young

* Deceased

On October 12, 1921, six students of Armour Institute of Technology decided to form a society which would be known as "Scroll and Triangle." These men felt that the ideals of friendship which they sought and the spirit of fellowship and congeniality could be secured best by forming a local fraternity. Considerable time was spent by its founders in studying conditions at Armour and the conditions of fraternities in general so that they would be established as a successful organization. The founders were firm in their resolutions to produce a high grade fraternity—free, if possible, from the mistakes



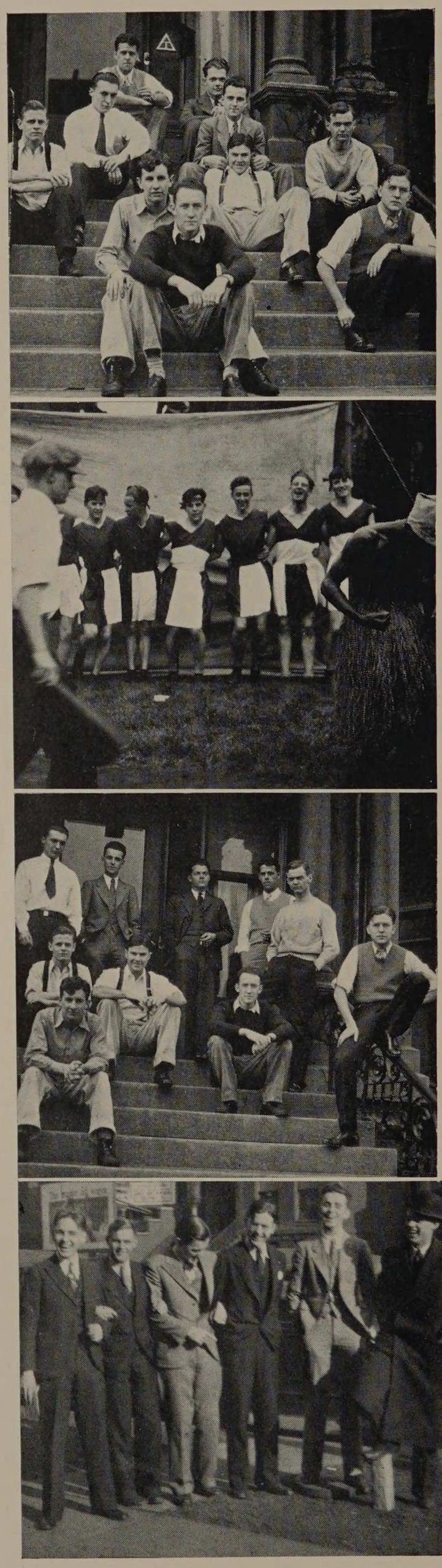
Fetterman, Denning, Windbigler, Woods, Westenberg, Kenner, Lind, Venema
Rossing, McKana, Bailey, Young, Oberbeck, Runge, Dufour
Bodinson, Waindle, Berglund, Manly, McWilliams, Ekroth, McBrady, Alexander
Smith, Bengston, Schreiner, Lillis, Malloy, Bonnell, Markman, Cohrs

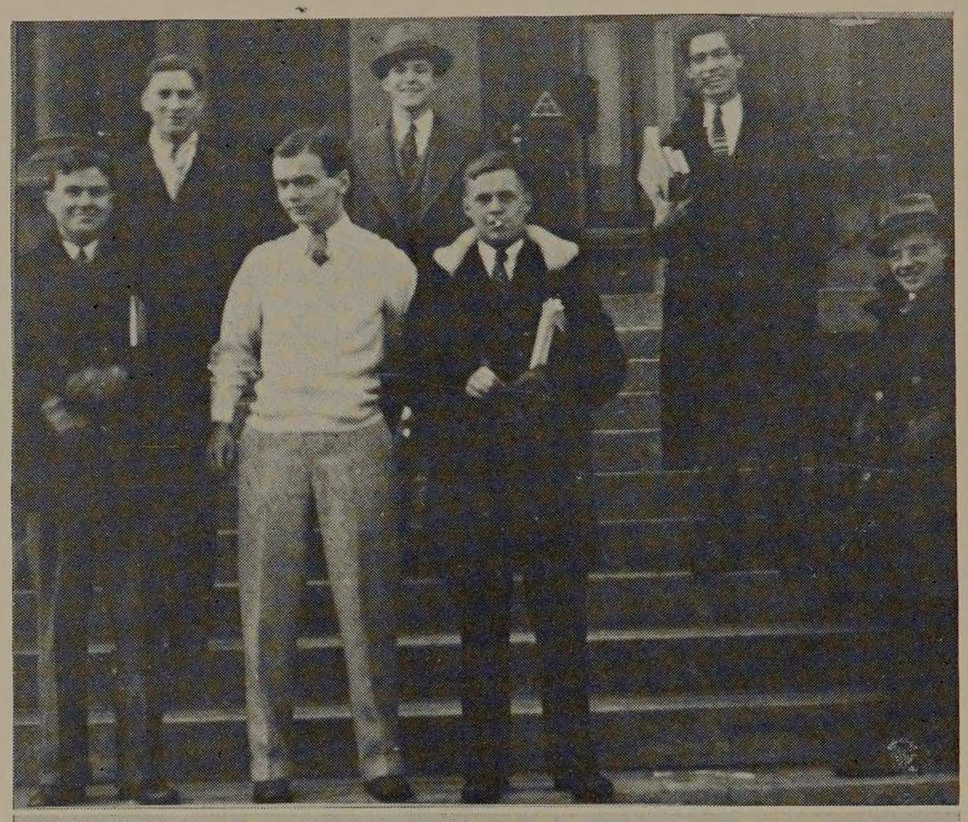
SOCIAL CALENDAR

Rushee Dance	October 4
Radio Dance	October 9
Father and Son Smoker	October 31
Radio Dance	November 15
Alumni Smoker	December 12
Annual Snowball	December 20
Informal Dance	February 4
Initiation Banquet	March 1
Initiates Dance	March 14
Founders Day Banquet	April 15
Spring Formal	April 25
Mothers Day	May 12
Senior Farewell	June 13

of others. Next a formal petition for recognition as a local fraternity was drawn up and presented to the Executive Council of Armour Institute of Technology. This being accepted Scroll and Triangle was installed in February, 1922.

In the latter part of 1922, Scroll and Triangle petitioned Triangle, a national fraternity of engineers, for a chapter at Armour. At the fourteenth annual convention of Triangle, the petition was accepted and on May 26, 1923, Scroll and Triangle was installed as the Armour Chapter of Triangle.





Beta Psi

Founded Jointly at Armour and University of Illinois in 1924

BETA CHAPTER

Established 1924

BETA PSI

BETA CHAPTER

3337 South Michigan Boulevard

COLORS—*Black and Gold* FLOWER—*None*

FACULTY MEMBERS

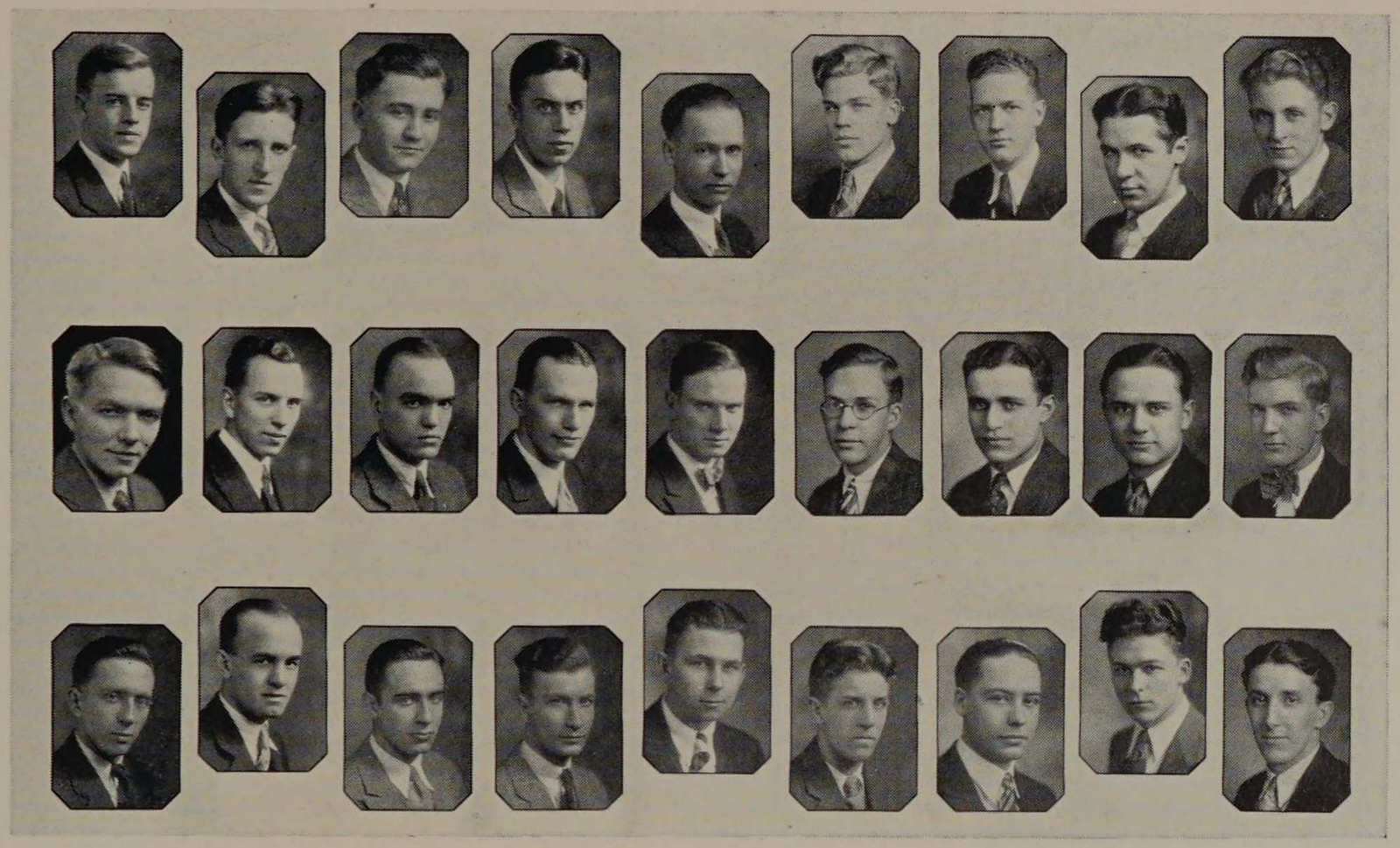
Walter J. Bentley John F. Mangold

ACTIVE MEMBERS

Leroy S. Anderson
Francis S. Austin
Walter C. Breh
Carl T. Brusa
Emmet L. Cordes
Robert B. Collins
Jerome B. Dirkers
A. E. F. Johnson
Alton J. Jungles
Joseph L. Kubicka
William W. Lange
Kenneth C. Langhammer
Michael J. Miccucio
Berlyn G. McLaughlin
Walter M. Miran
Leonard V. Melcarek
Frank E. Rutkowski
Ralph L. Scafuri
Harry C. Setterberg
Dean B. Snapp
Frank W. Spalding
Otto W. Staib
Arthur I. Steinhaus
Richard H. Stevenson
Walter M. Trauten
Robert L. VanOsdol
Elmer S. Warner
Elmer A. Wegner

Beta Psi Fraternity originated among a group of friends at Crane Junior College, Chicago, in 1920. The Armour chapter grew out of the Sodales Club which began at Armour in January, 1923.

Soon after 1923, negotiations were entered into with the Mu Omega Beta local fraternity at the University of Illinois, in order to form a new national organization. The plans progressed, and in August,



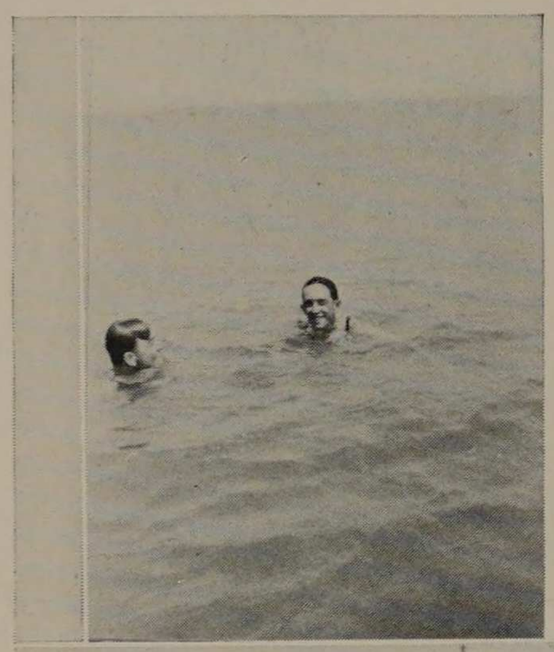
Johnson, Rutkowski, Melcarek, Miran, Langhammer, Anderson, Collins, Warner, Lange
VanOsdol, Austin, Spalding, Stevenson, McLaughlin, Setterberg, Micuccio, Trauten, Dirkers
Jungles, Staib, Snapp, Steinhaus, Cordes, Wegner, Breh, Johnson, Scafuri

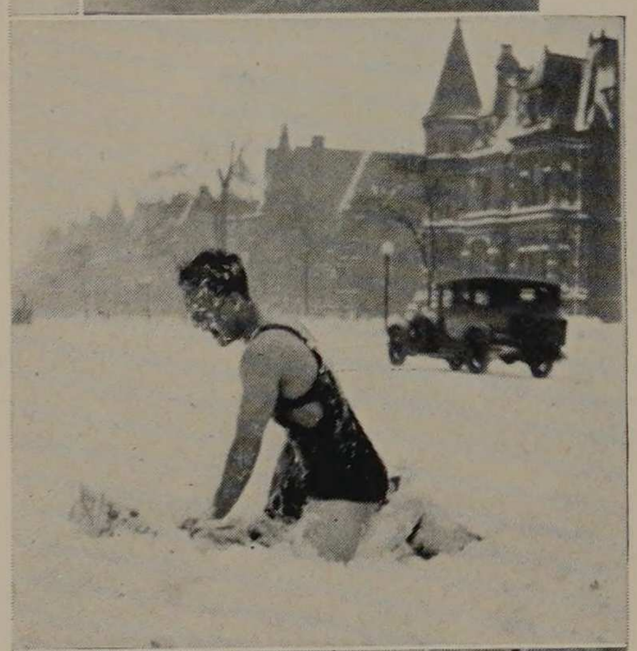
SOCIAL CALENDAR

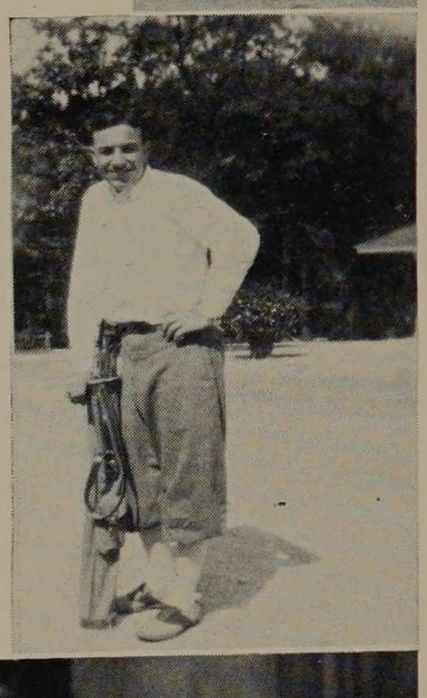
Rushee Dance	October 4
Rushee Smoker	October 8
Hard Times Party	November 1
Initiation Banquet	November 8
Thanksgiving Dance	November 29
Annual Christmas Dance	December 20
Alumni Smoker	January 16
Valentine Dance	February 14
Masquerade	March 14
Annual Smoker	April 17
Farewell Party	May 23

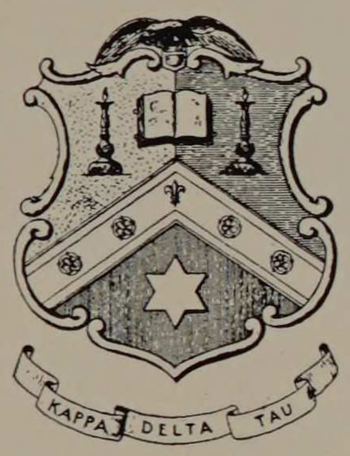
1924, the Beta Psi Fraternity was formally brought into being. The Alpha Chapter was at the University of Illinois, and its co-founder, the Beta Chapter, was at Armour Institute.

Beta Psi's history has been one of solid foundation and progressive advancement. There is a warm spirit of cooperation between the various chapters, as is shown by the friendly relations of the three midwestern chapters.









Kappa Delta Tau

Organized as Umen in 1922

Reorganized and Founded as Kappa Delta Tau in 1924

KAPPA DELTA TAU

Alpha Chapter

3335 South Michigan Boulevard

COLORS—*Blue and White* FLOWER—*None*

FACULTY MEMBER

J. M. Jacobson

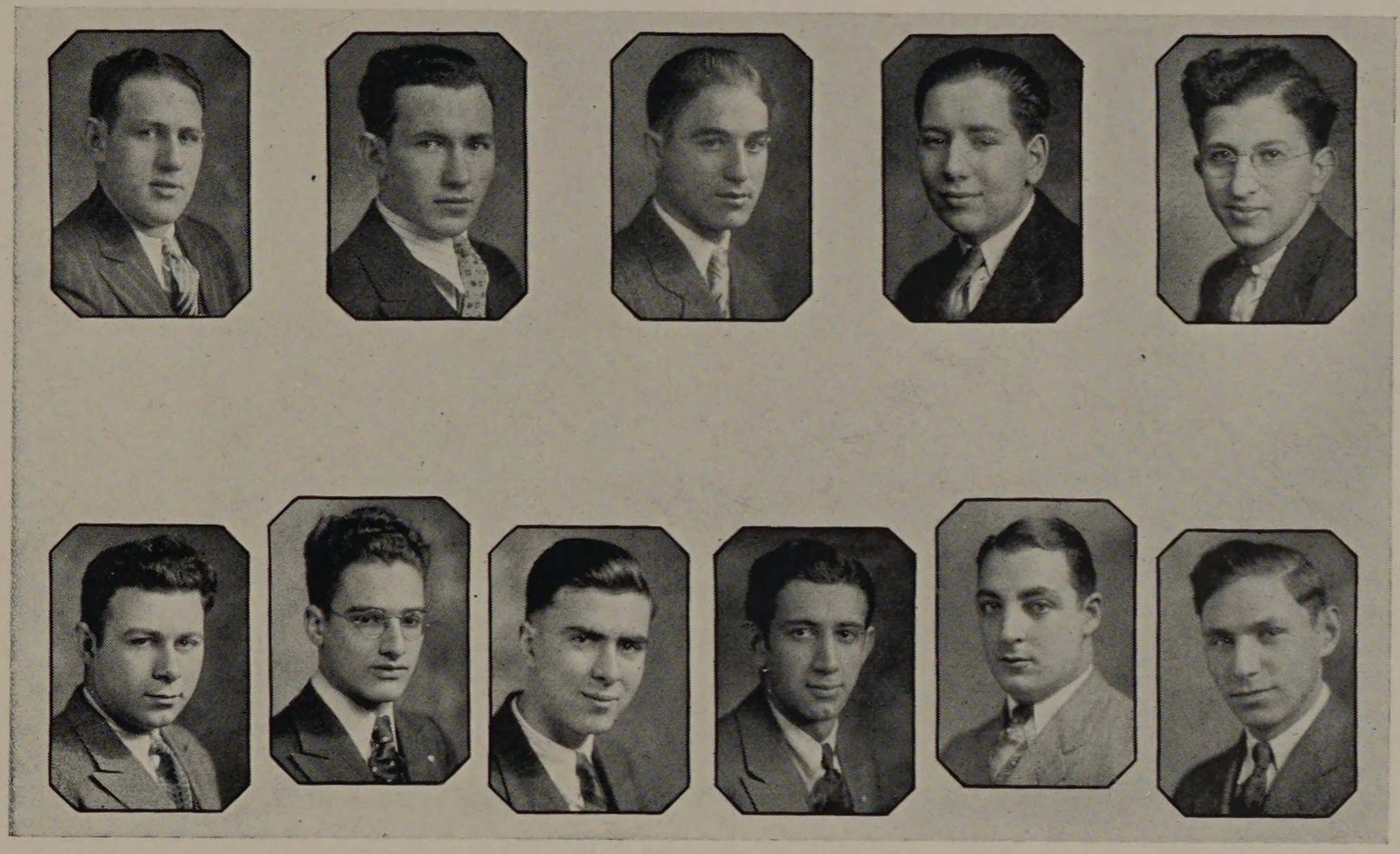
ACTIVE MEMBERS

Ralph J. Abramson
Max A. Berger
Edmund B. Field
William A. Holland
Philip P. Portnoy
Melvin S. Ratner
Jack M. Robbe
Philip C. Rosenfeld
Joseph L. Tuchinsky

PLEDGES

Milton D. Glazer
Harold E. Goldman
Irwin F. Sharf
Morris J. Wise

Kappa Delta Tau had its inception on March 19, 1922. This organization was given the name "Umen,"—taken from the ancient Hebrew. Its true meaning is "Builder," and thus portrays the ideals of the group gathered under its banner. The Umen was officially recognized by the Institute in April, 1922. Later it was reorganized as a fraternity and chartered in 1924.

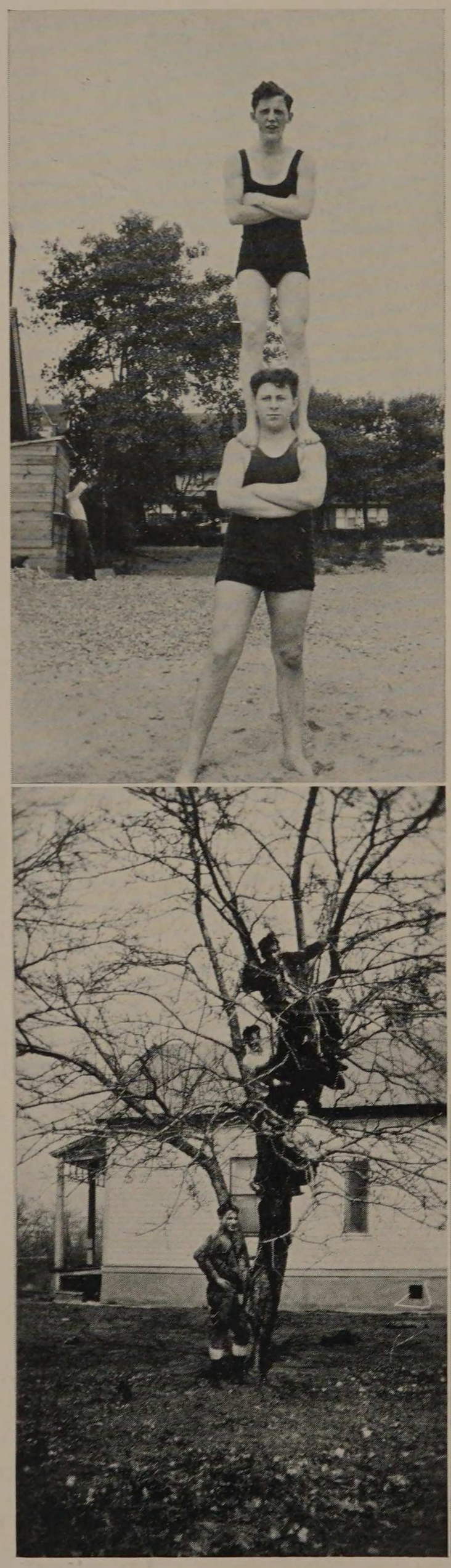


Portnoy, Rosenfeld, Wernicke, Ratner, Robbe
Berger, Glazer, Field, Tuchinsky, Abramson, Holland

SOCIAL CALENDAR

Rushee Smoker	October 13
Pledge Smoker	October 20
Pledge Dance	November 19
Halloween Party	October 30
Mid-Semester Dance	February 7
Outing at Dunes	March 13-14-15
Initiation Banquet	March 27
Annual Dinner Dance	May 10
Farewell Party	May 28

In 1926, in compliance with a suggestion from the Institute, the name was changed from Umen to the Greek Letter term, Kappa Delta Tau. Under the new name, symbolical of the fraternity's ideals, they have rapidly advanced and they now hold a meritorious position among the social organizations on the campus.



STRAY GREEKS

William G. Booth, Jr	*Illinois*	Sigma Chi
J. Fred Borrowdale	*Illinois*	Chi Psi
Edward L. Byanskas	*Wisconsin*	Kappa Sigma
Robert H. Cheatham	*North Carolina*	Chi Psi
Charles E. Dodson	*Illinois*	Sigma Chi
Charles P. Kuffel	*Chicago*	Lambda Chi Alpha
Herbert I. Schlesinger	*Massachusetts Institute of Technology*	Phi Beta Delta
Stephen A. Vanderpoorten	*Illinois*	Sigma Phi Sigma

ADVERTISING

UNITED ENGINEERS & CONSTRUCTORS INC.

combining

Day & Zimmermann
Engineering & Construction Co.
Dwight P. Robinson & Co., Inc.
The U. G. I. Contracting Co.
Public Service Production Co.

Design and Construct

INDUSTRIAL PLANTS
STEEL MILLS
POWER DEVELOPMENTS
RAILROAD WORK
GAS PLANTS

Build

APARTMENTS
HOTELS
OFFICE AND MONUMENTAL
BUILDINGS

UNITED ENGINEERS & CONSTRUCTORS
INCORPORATED
DWIGHT P. ROBINSON, PRESIDENT

PHILADELPHIA NEW YORK NEWARK BOSTON CHICAGO
LOS ANGELES MONTREAL TORONTO BUENOS AIRES RIO DE JANEIRO

MAXIMUM RETURN TO CLIENTS PER DOLLAR INVESTED

KLEIN GROCERY AND MARKET

GROCERIES MEATS
FRUITS AND VEGETABLES

Wholesale—Retail

We Deliver

213 E. 31st Street Victory 1022

SERSON HARDWARE COMPANY

Steam and Hot Water Heating

Hot Air Furnaces, Roof Gutters and Conductors, Tin and Copper Roofing

ALL KINDS OF SHEET METAL WORK

Special Attention to Repair Work

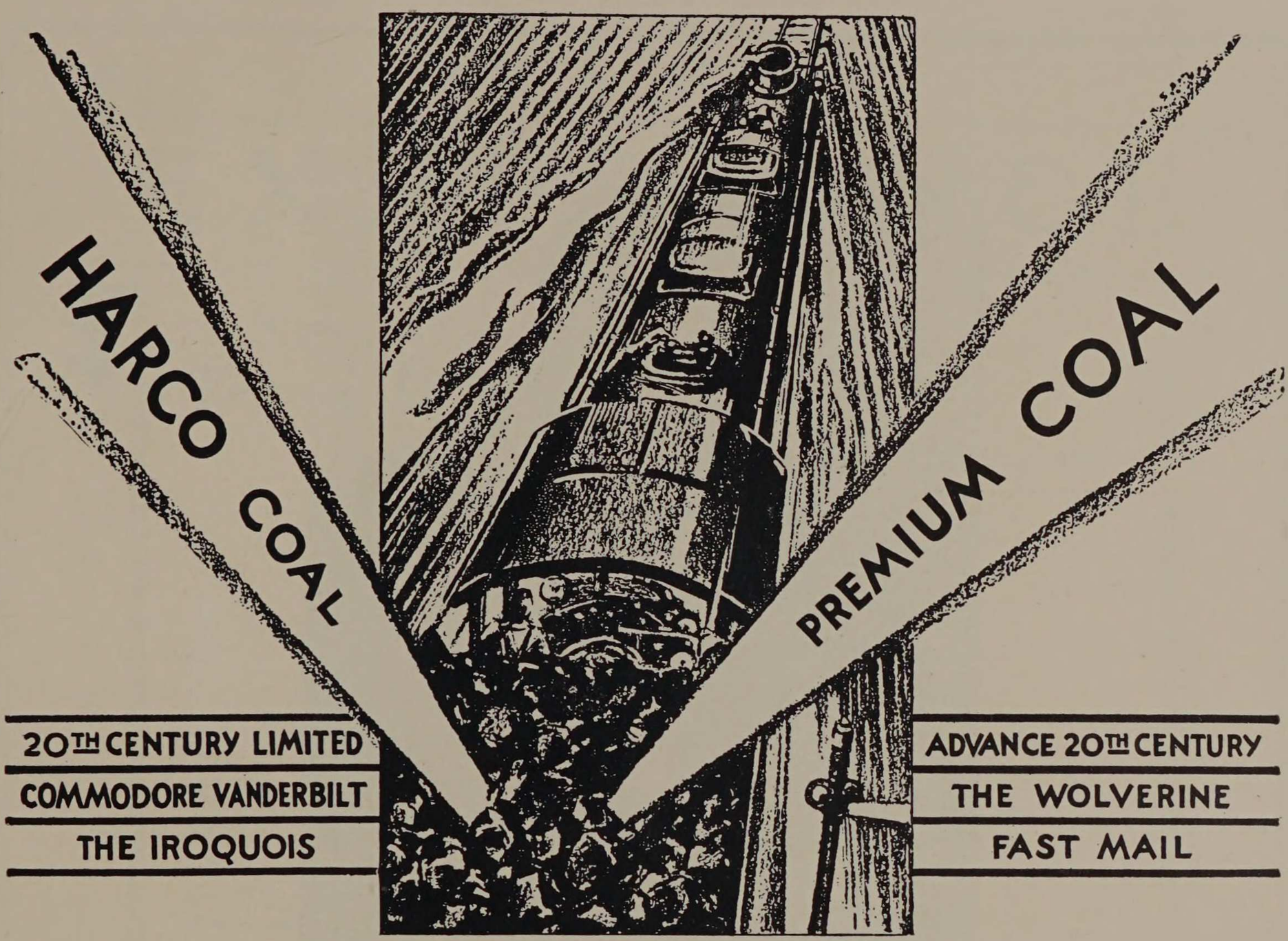
Victory 1773 109 E. 31st Street

Compliments

of

An Alumnus

Enjoy CONGRESS SPECIAL Goodman AMERICAN SUPREME AMONG ICE CREAMS



FOR TWENTY YEARS

The New York Central Lines

HAVE USED HARCO AND PREMIUM COALS TO MAINTAIN THEIR FAST CHICAGO-NEW YORK SCHEDULES

To the deluxe trains of the New York Central Lines, which run daily between Chicago and New York, speed and punctuality are of utmost importance. These flyers must go through on schedule and every element must be properly synchronized to keep them at the highest point of efficiency.

Their continuous use of HARCO and PREMIUM Coals, since the opening of the mines, is a tremendous tribute to the unvarying high quality and the excellent performance of these coals, as well as to the dependability of Peabody service.

Whether your requirements be large or small, a Peabody contract is your best fuel insurance.

PEABODY COAL COMPANY

General Offices :: 20 North Wacker Drive, Chicago

OPERATING 42 MINES IN ILLINOIS • INDIANA • KENTUCKY • WEST VIRGINIA
•—•—AND PENNSYLVANIA SUPPLYING COAL FOR EVERY PURPOSE—•—•

MABEL SYKES

Photographer of International Fame

OFFICIAL PORTRAIT ARTIST

for the

CYCLE OF 1931

140 North State Street CHICAGO, ILL.

Phone State 1401

EXPERIENCE

a New Tennis Thrill!

have your racket strung with

TILDEN
CHAMPIONSHIP
TENNIS STRING
of selected, seasoned gut

Then . . . drive a shot from the back court. Smash a serve over the net. Hear the high tonal twang of selected, seasoned gut. Experience the thrill of greater power and speed which it gives to your play.

From the minute you make contact with the first ball you will realize why this string is the master's choice. The only string upon which Tilden has placed his personal endorsement and name.

Ask your nearest sporting goods dealer to let you inspect the new TILDEN *Championship*. Note its strong twist, its smoothness, its eveness. Because it is made in an assortment of attractive colors and a variety of gauges, you can have just the string you want to suit your taste and playing requirements. The new TILDEN *Championship* strings on sale at your dealers are exact duplicates of the strings used by the master himself. Made of exactly the same materials and in exactly the same way.

Have your racket re-strung with TILDEN *Championship* today.

A copy of "How I Win My Tennis Matches," by Tilden, will be sent FREE on request. This attractive and helpful tennis guide contains in addition to the master's rules of the game, an autographed picture of "Big Bill." Address the Armour String Crafters, Dept. TAI, ARMOUR AND CO., Chicago, Ill.

ARMOUR STRING CRAFTERS

ARMOUR AND COMPANY
CHICAGO

EAT

Delicious

Drexel Ice Cream

Wholesome

The Name of DREXEL In Connection With Ice Cream
Is a Guarantee of Excellence.

MADE BY

Drexel Ice Cream Co.

30th and Shields Avenue

PHONE VICTORY 1163-1164 CHICAGO

Compliments
of
A Friend

A. M. Jens, '04 Wm. M. Murry

JENS, MURRY & CO.
Insurance
175 W. Jackson Blvd.
Room A-1903 Phone HAR. 3423

ARMOUR INSTITUTE *of* TECHNOLOGY

CHICAGO

the College of Engineering offers courses in

MECHANICAL ENGINEERING
ELECTRICAL ENGINEERING
CIVIL ENGINEERING
CHEMICAL ENGINEERING
FIRE PROTECTION ENGINEERING
ARCHITECTURE

These Courses are each four years in length and
lead to the degree of Bachelor of Science

SUMMER SESSION JUNE 22 TO JULY 31

First Semester Begins September 21, 1931

Completely Equipped Shops and Laboratories

THE INSTITUTE BULLETIN WILL BE SENT ON APPLICATION

Established 1861

Enhancing A Good Name

FRANKLIN—a name revered whenever subjects relative to the printing industry are discussed. ¶ We keenly appreciate the responsibility which rests with us in carrying forward the ideals with which Benjamin Franklin instilled this craft. ¶ This school is assisting us in maintaining our reputation for superior quality and dependability in service. ¶ We can produce the whole book or any part of it.

The Franklin Company
328 South Jefferson Street
CHICAGO :: ILLINOIS

Art
Printing
Engraving
Electrotyping

LINDEN PRINTING CO.

517 SOUTH JEFFERSON STREET
CHICAGO, ILLINOIS

Producers
of
Superfine Annuals

COLLEGE AND HIGH SCHOOL
PUBLICATION PRINTERS

J. J. G.

SENIOR INDEX

Abazoris, V. J. 50, 169
Abraham, I. 50
Abramson, R. J. 50, 171, 183, 257
Attwood, F. B. 42, 50, 165, 174, 189, 197, 199, 205, 215, 216
Auerbach, A. B. 42, 50, 165, 173, 189, 197, 199, 207, 218, 241
Aukers, A. J. 50, 175
Austin, F. S. 50, 177, 209, 253
Berger, I. E. 50, 218, 245
Bergquist, R. G. 50
Blahma, C. 50, 165, 171, 189, 201
Borrowdale, J. F. 51, 129, 169, 259
Brazda, L. 64
Brown, C. D. 51, 177, 221
Carter, T. A. 51
Chin, E.W. 51
Collins, R. B. 51, 192, 253
Costanzo, L. C. 51, 179
Czernecki, N. 51, 169
Davidson, L. D. 51, 149, 171
Davisson, G. E. 51, 169
De Long, A. J. 51, 179, 197, 203
Denning, W. S. 64
Dicke, L. N. 52, 207
Doane, T. W. 52
Dodson, C. E. 64
Draus, A. R. 52, 171, 190, 201
Drell, I. 52, 175, 205, 245
Drigot, W. 52, 121, 171, 197, 201
Eddy, R. R. 42, 52, 117, 145, 177, 183, 189, 213, 216, 233
Erland, E. C. 52, 137, 177, 237
Ferguson, L. J. 52, 182, 183, 205
Fetterman, D. N. 52, 171, 191, 197, 201, 249
Ficarratto, S. C. 52, 173
Filmer, J. C. 53, 149, 188, 191
Foin, T. C. 53, 175
Fox, H. L. 53, 117, 129, 169, 211, 233
Fox, R. S. 53, 171
Ganzer, E. A. 69
Goldman, C. M. 64
Griesman, A. H. 53
Griffin, C. J. 53, 171
Guthman, J. 53
Hafner, W. L. 53, 117, 173, 184, 249
Hartanov, A. S. 53, 169, 211
Hellsen, K. E. W. 53, 173, 197, 207
Holin, E. T. 54, 179, 225
Holt, H. S. 54, 163, 177, 209, 225
Hotchkin, M. A. 54, 177, 184

SENIOR INDEX (*Continued*)

Hughes, D. W. 54
Iverson, D. J. 54, 117, 129, 173, 233
James, F. M. 42, 54, 117, 129, 177, 197, 209, 229
Jens, A. H. 42, 54, 114, 116, 117, 129, 158, 165, 177, 189, 199, 216, 233
Johnson, A. E. F. 54, 169, 253
Johnson, E. A. 54, 173, 207, 216
Jordon, P. 54, 165, 173, 189, 190
Kellner, R. G. 55, 163, 165, 171, 188, 189
Kesselring, P. H. 55, 165, 177, 189, 209
Knittel, K. A. 55, 163, 165, 170, 188, 199
Knocke, W. A. 55
Krause, R. M. 55, 145, 163, 169, 189, 197, 211, 233
Kreibich, C. E. 55, 171, 229
Kutteruf, R. H. 55, 160, 177, 233
Lamka, M. T. 55, 169, 211
Langhammer, K. C. 55
Larsen, C. A. 55
Latham, H. J. 56, 175, 215
Lehman, I. B. 56, 197, 205, 215
Lenke, A. J. 56, 163, 177, 189, 197, 199, 209, 225
Lindquist, B. S. 56, 173, 197, 207
Link, C. T. 42, 56, 117, 121, 163, 168, 197, 199, 211, 216, 233
Lopatowski, E. J. 56
Lukey, M. E. 56, 201, 229
McLaughlin, B. G. 56, 173, 207, 218, 253
Mago, C. C. 56, 121, 171
Marando, H. S. 56, 171, 201
Marker, W. C. 57, 175
Martin, H. Z. 57
Mell, A. L. 57, 179, 203, 225
Michalski, W. F. 57, 121, 171
Miles, W. 57
Miller, C. H. 57, 173, 184, 207
Minx, E. J. 64
Miran, W. M. 42, 57, 117, 121, 137, 163, 177, 253
Montesano, A. 57, 117, 129, 151, 175
Moore, G. R. 57
Morgan, M. J. 57, 173, 207, 237
Moskovitz, M. M. 58, 171, 245
Munch, F. T. 58, 129, 169, 211, 229
Murphy, O. R. 58, 160, 163, 165, 171, 189, 199, 229
Myers, K. H. 58
Nelson, R. F. 58
Newman, L. A. 58
Novotny, I. J. 58
O'Connor, T. B. 58, 121, 137, 171, 201
O'Conor, F. 58, 169, 182, 183, 185, 213, 233
Olson, E. A. 58
Ott, S. A. 59, 117, 137, 177, 237

SENIOR INDEX (*Continued*)

Pamler, R. G. 59, 151, 191
Paschke, E. E. 59, 171, 201
Patzelt, R. 59, 171, 201
Penfold, W. E. 59, 171, 201, 233
Pepe, S. 64
Pilgrim, H. J. 59
Podlipec, F. 59, 129, 175
Rimmke, H. 59, 175
Rosen, N. R. 59, 179, 241
Rutkowski, F. E. 59, 117, 137, 173, 207, 253
Ryon, R. F. 60, 171
Sadlak, M. 60, 169
Santina, W. J. 60, 173, 190
Schiff, J. J. 60
Schirmer, W. E. 42, 60, 117, 145, 177, 197, 209, 229
Schlagel, H. R. 60
Schock, C. M. 60, 179, 203
Schoen, R. J. 60, 169
Schohl, M. F. 60, 171
Schrader, W. A. 60, 191, 229
Schueler, T. R. 61, 177, 225
Saidelmann, P. E. 61, 165, 177, 189, 197, 209
Sevenhouse, H. A. 61, 179
Shoan, E. W. 61
Spalding, F. W. 61, 165, 177, 189, 209, 253
Squires, E. G. 61, 171, 191, 221
Stamberg, C. J. 61, 175, 215
Stehno, E. J. 42, 61, 117, 121, 171, 201, 233
Stevenson, R. H. 61, 169, 197, 211, 253
Stranberg, J. H. 61, 163, 171, 188, 189, 199
Strassenburg, F. F. 62, 165, 169, 182, 183, 197, 211, 213, 233
Streicher, L. 62
Timmermans, R. A. 42, 62, 117, 145, 189, 199, 233
Trzyna, T. S. 62, 171, 190
Van Osdol, R. L. 62, 171, 191, 253
Waniata, G. N. 62
Warner, E. S. 62, 171, 201, 253
Weis, H. B. 62, 117, 147, 192, 221
Wernicke, L. E. 62, 173, 218, 257
Westenberg, J. E. 62, 175, 249
Westerman, C. M. 63, 221
Wilde, A. F. 63, 165, 176, 189, 197, 199, 209
Wilson, R. N. 63, 177, 189, 192, 199, 213, 221
Windbigler, R. H. 63, 173, 218, 249
Winkler, W. P. 63, 177, 237
Wleklinski, T. J. 63
Woods, T. A. 63, 121, 173, 249
Wyant, C. W. 63
Yzaguirre, M. 63, 205
Zeleny, L. L. 63

TABLE OF CONTENTS

	PAGE
Administration	25
Alpha Chi Sigma	214-215
American Institute of Chemical Engineers	174-175
American Institute of Electrical Engineers	170-171
American Society of Mechanical Engineers	168-169
Armour Alumni Association	40-41
Armour Architectural Society	178-179
Armour Engineer	162-163
Armour Institute, Main Buildings	13
Armour Tech News	164-165
Armour Radio Association	191
Armour Tech Athletic Association	113
Armour Tech Musical Clubs	182
Athletic Banquet	96
Baseball	120-125
Basketball	136-141
Beta Psi	251-254
Board of Athletic Control	114
Boxing	150-151
Campus Club	188
Chi Epsilon	206-207
Coaches	115
Committee on Educational Policy	24
Contents, Book One	9
Contents, Book Two	43
Cycle	158-161
Dedication	4-5
Delta Tau Delta	223-226
Department of Architecture	19
Department of Chemical Engineering	17
Department of Civil Engineering	16
Department of Electrical Engineering	15
Department of Fire Protection Engineering	18
Department of Mechanical Engineering	14
Director of Athletics	112
Eta Kappa Nu	200-201
Faculty, The	30-37
Faculty Club, The	28-29
Feature Section	87-91
Fire Protection Engineering Society	176-177
Freshman Class	78-81
Freshman Social Events	95
Glee Club	184
Golf	146-147
Honor "A" Society	117

TABLE OF CONTENTS (*Continued*)

	PAGE
Honorary Fraternity Council	216
Honor Edition Award	42
In Memoriam	8
In Memoriam, Claude Irwin Palmer	6
In Memoriam, Alfred Edward Phillips	7
Interclass Athletics	152
Interfraternity Athletics	153
Interfraternity Council	218
Interhonorary Banquet	97
Junior Class	66-69
Junior Social Events	94
Junior Week	100-103
Kappa Delta Tau	255-258
Officers of Administration	25
Orchestra	183
Phi Kappa Sigma	219-222
Phi Lambda Upsilon	204-205
Phi Pi Phi	235-238
Pi Nu Epsilon	212-213
Pi Tau Sigma	210-211
President, The	22
Press Club, The	189
Rho Delta Rho	243-246
Rifle Club	192
Salamander	208-209
Scarab	202-203
Senior Class	48-64
Sigma Alpha Mu	239-242
Sigma Kappa Delta	231-234
Sophomore Class	72-75
Sphinx	198-199
Stray Greeks	259
Stresses and Strains	185
Summer Camp	106-107
Swimming	148-149
Tau Beta Pi	196-197
Tennis	144-145
Theta Xi	227-230
Title Page	3
Track	128-133
Triangle	247-250
Truss Club	190
Trustees	23
Wearers of the "A"	116
Western Society of Engineers	172-173

ADVERTISING

ARMOUR AND COMPANY 267
ARMOUR INSTITUTE OF TECHNOLOGY 269
DREXEL ICE CREAM COMPANY 268
FRANKLIN ENGRAVING COMPANY 270
GOODMAN ICE CREAM COMPANY 264
HOLLIDAY'S SHOE REPAIR COMPANY 268
JENS, MURRY AND COMPANY 268
KLEIN GROCERY AND MEATS 264
LINDEN PRINTING COMPANY 271
MABEL SYKES STUDIO 266
PEABODY COAL COMPANY 265
SERSON HARDWARE COMPANY 264
UNITED ENGINEERING COMPANY 263