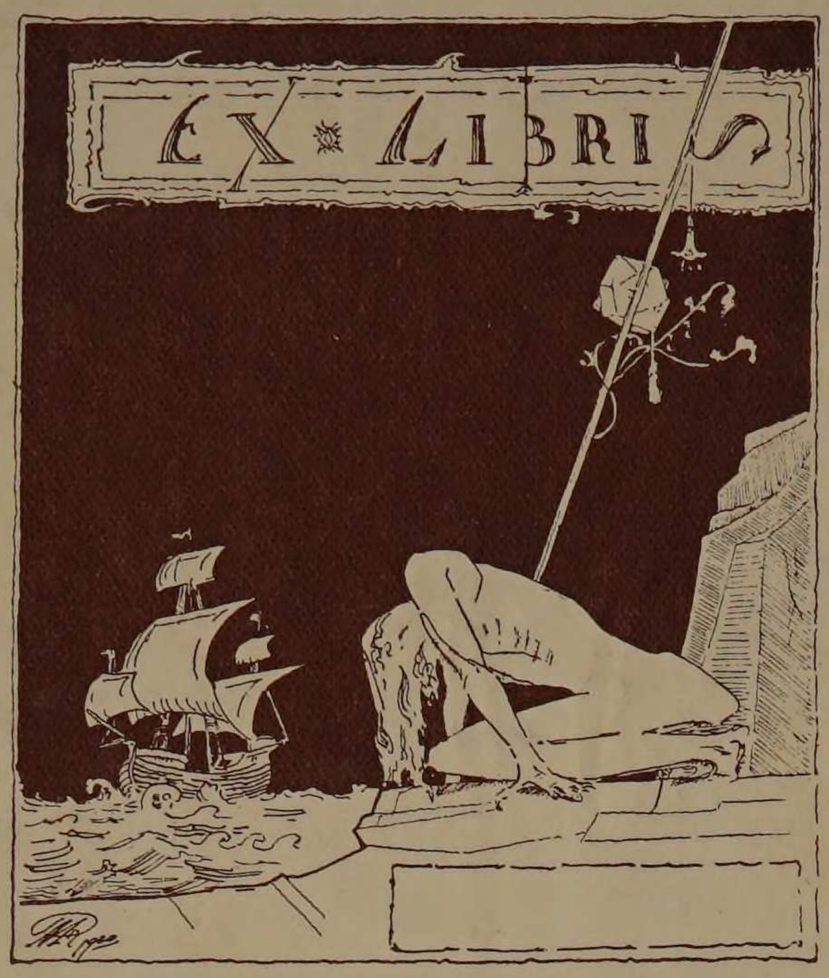
THE CYCLE

1922

ARMOUR INSTITUTE OF TECHNOLOGY CHICAGO A.D. 1895



Eugene B. Mueser
1813 N. Wells St.,
Chicago,
Ill.

"In the elder days of Art,
Builders wrought with greatest care
Each minute and unseen part,
For the Gods see everywhere."

—Longfellow.

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1922

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THE CYCLE

1922

ARMOUR INSTITUTE OF TECHNOLOGY

CHICAGO

W. J. McCormack

In Memoriam

Wendell M. Baker, '22.

Roy I. Farwell, '23.

Frederick W. Hilliker, '23.

The Cycle

Assembled and Published

By

THE CLASS OF 1923

of the

ARMOUR
INSTITUTE OF TECHNOLOGY

CHICAGO, ILLINOIS

1922

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INSTITUTE



THE SPIRIT OF THE INSTITUTE

Much has been written and related in the pages of "The Integral" and "The Cycle" of recent years regarding the history and purposes of "Armour Tech," and, therefore, little can be said which is not already familiar to the students and readers of the College Annual.

The story of the evolution of the Institute from a polytechnic school for both sexes to a high grade college of engineering is an oft-repeated tale, yet always claims the closest interest in the minds of its friends and, particularly, those who have watched its progress in the last two decades. The constructive work which has been accomplished in this period has been of a character to place the Institute in a foremost position with respect to engineering education, and in the front rank of engineering colleges. To teach the students the fundamentals of science and to acquaint them with economic, social, and cultural subjects, in order that they may be prepared to comprehend and deal intelligently with the many problems of our modern industrial and commercial life, is the purpose and ideal of engineering education at "Armour." Throughout all our progress there has been an insistent and constant broadening of the Institute's fundamental purpose, the building of true character. A prosperous and honored alumni form tribute to the influence which we are privileged in appreciating. It is in this influence toward the truest that we may confidently trust the Institute's future.

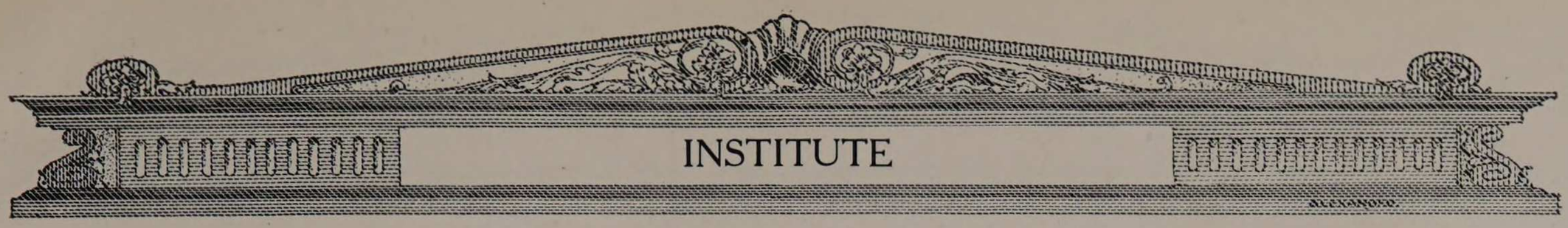
To Dr. Gunsaulus, our loved and lamented President, do we owe the spiritual ideal upon which this institution was created, and his immortality will find expression in the exemplary citizenship of the thousands of young men who were so fortunate as to be trained under his cultural and benign influence.

"Armour" now has fourteen hundred living alumni scattered over many countries of the world. This year another hundred will be added to the list and every one is going out to tell of the happenings, and his life and training at "Armour Tech."

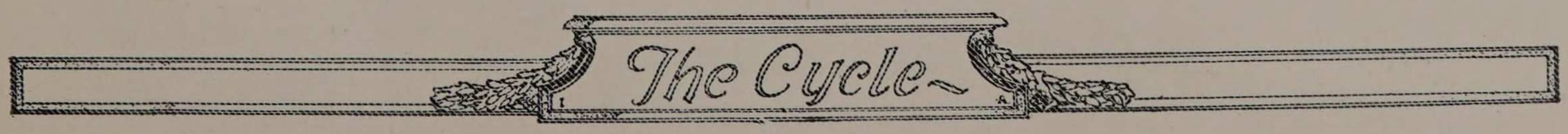
The Institute has achieved an enviable position in the past, is maintaining it in the present, and the future holds for it a brilliant prospect. The spirit of "Armour" is that tangible certainty which shall reach from the Atlantic to the Pacific as it has already spread throughout the middle west. The young men who leave her doors will not forget this spirit and will pause many times in their labors and live again the days they spent within her walls, and while they dream over those memories how pleasant will be the thought that "Alma Mater" is not old and feeble, but is yet young and growing stronger each year. It is the influence of this spirit which is to form the greater Armour Institute of Technology. Not only a greater Institute in a material sense, a greater architectural plan, but a greater Institute of ideas and ideals; a greater Institute whose teachings shall lead young men to greater efforts in doing honor to her who has taught them the principles of true manhood and right living. Changes will be many, and when they come, we know they will be for the better.

To you, "Armour Tech," we predict a future worthy of such a grand institution. The undergraduates and graduates will ever be watching you in your progress and will rejoice in each step forward. It is with confidence that we shall tell of your glorious future. We know that you will aspire and accomplish in a masterly way and fulfill our hopes.

H. M. Raymond.



THE man who makes a success of an important venture never waits for the crowd. He strikes out for himself. Any one can fail. The public admires the man who has enough confidence in himself to take a chance. The man who tries to succeed must expect to be criticized. Nothing important was ever done but the greater number consulted previously doubted the possibility. Success is the accomplishment of that which most people think can't be done.

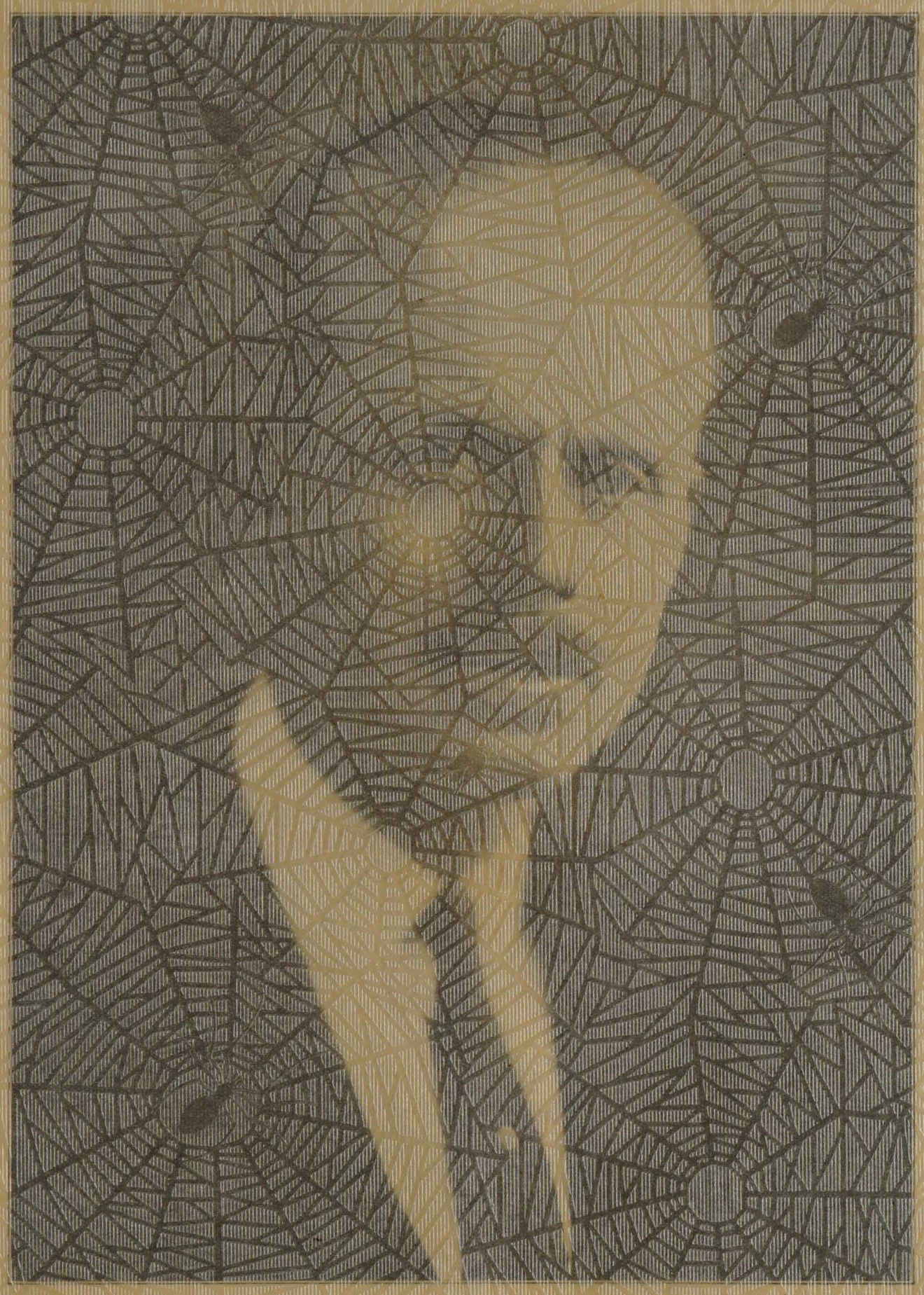


FOREWORD

IN this volume of The Cycle, we have endeavored to give expression to the spirit of the Institute. In years to come when we are scattered to the ends of the earth, whether we may be blessed with health, happiness, and prosperity, or facing the shell-fire of adversity, then may this book bring to mind those happy and eventful days of toiling together, and forever link us to our Alma Mater.

To

Mr. Philip Danforth Armour,
Trustee and Loyal Friend of
Armour Institute of Technology,
this book is respectfully dedicated.



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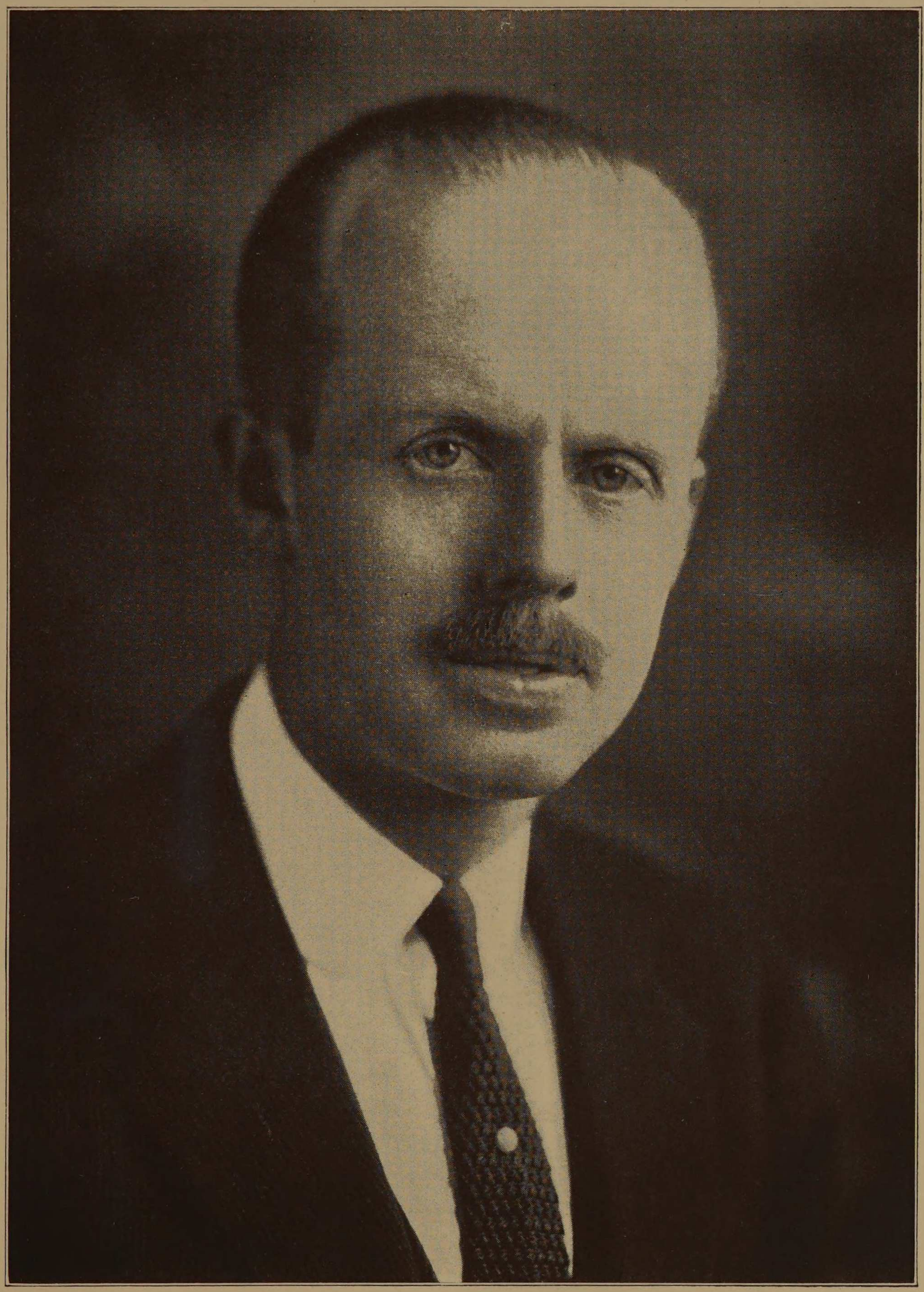
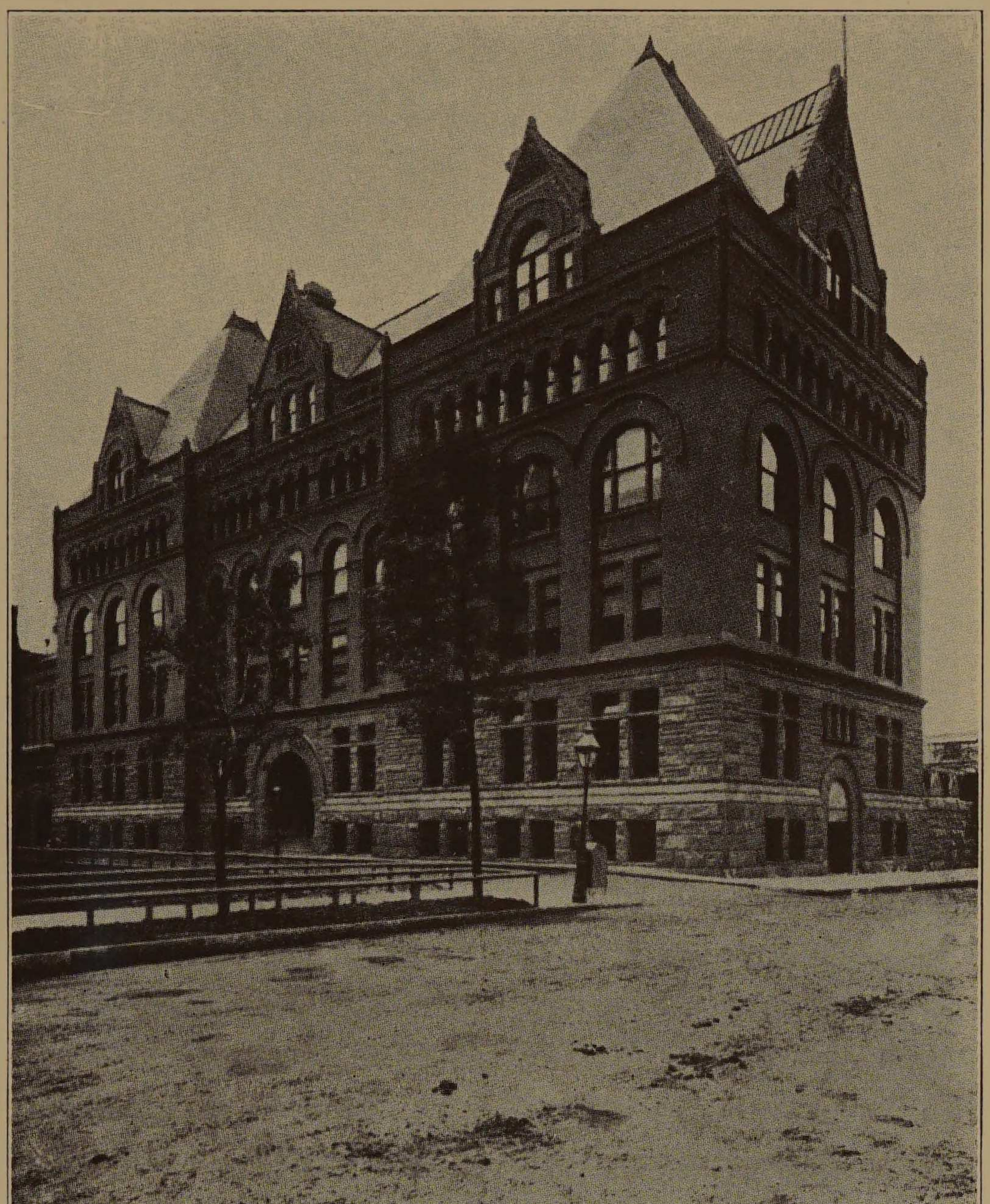


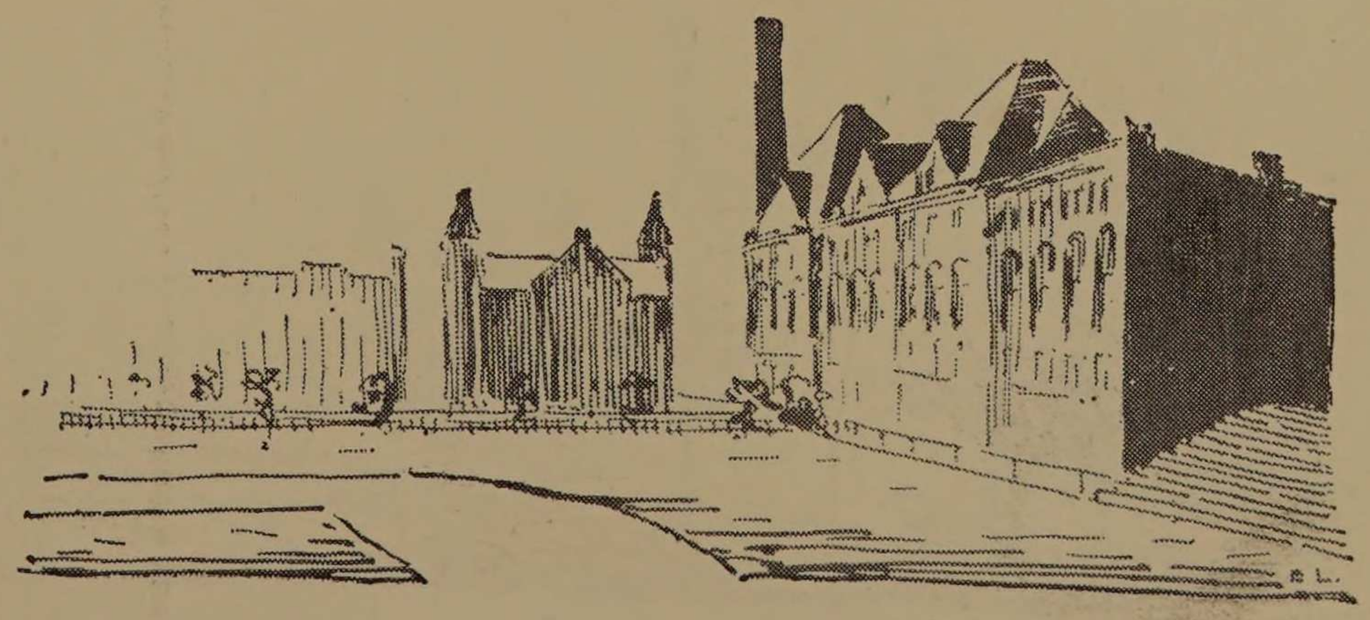
INSTITUTE

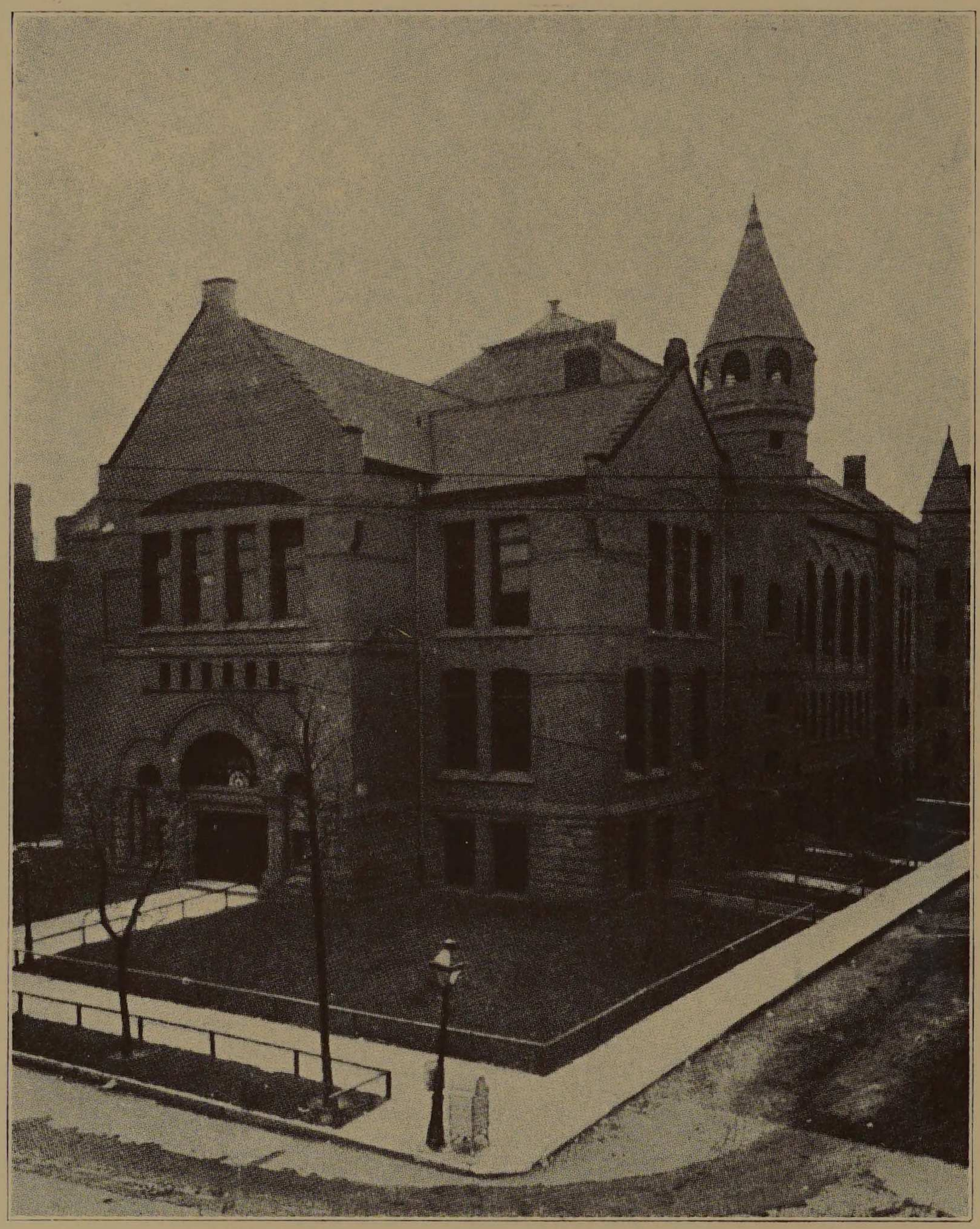
AT LAST the pendulum has started to swing the other way. After a long and somewhat disastrous lull, following as the natural reaction of the good times experienced by the manufacturers, or we might say the producers of this country, during the recent war, business is again on the road to recovery, and many of the plants which have been idle for months, are now resuming operations. And with the swinging of the pendulum comes the better understanding by the men who are the heads of industry and the people as a whole, of the urgent need for the technical man—the engineer—to take his place in the world as an engineer. But in order that the student engineer may be of some practical worth, and a truly valuable man to the business world, he must keep apace with the developments and achievements of the various branches, and see their direct applications and usages in the industries, as a most valuable and priceless part of his education.

The city of Chicago, being situated as it is at the very center of the United States, is a veritable hub of all of the Industries and Arts of the world. In it are found many of the largest and most representative mills, factories, foundries and countless other works of a similar nature, all of which are readily accessible to the young engineer who is studying here. As for Art, it is a well recognized fact by all Nations, that Chicago is the greatest Art center in the world, being the proud possessor of such buildings as the Art Institute, the new Field Museum, and many others, with their wonderful exhibits. Bordering on Lake Michigan, and with its beautiful parks and suburbs, it affords many pleasant diversions from the regular routine of study. Truly the young engineer who is studying in Chicago, and at Armour Institute of Technology, is thrice blessed. In the following few pages, we have endeavored to give you a glimpse, or passing picture of our opportunities, made possible only by our environment, which is indeed unequaled.

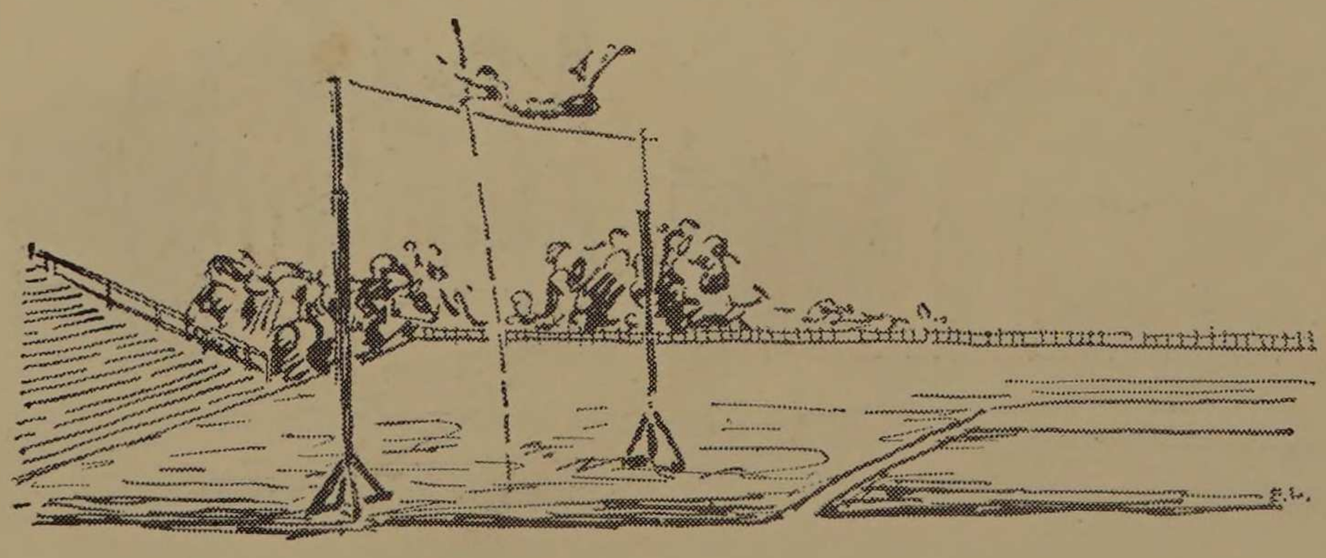


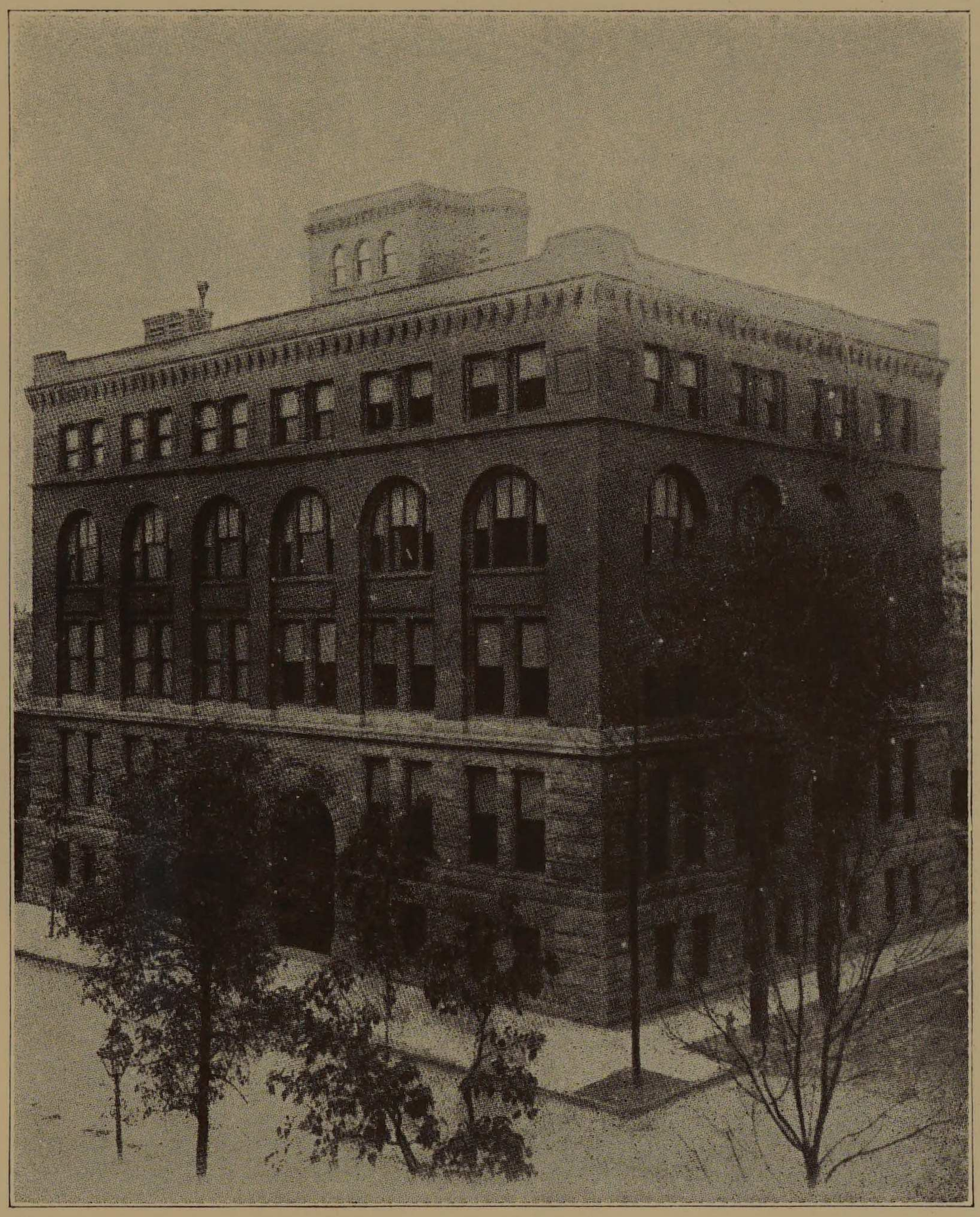
"Win the next world's
Reward and repose
By the struggle in this."



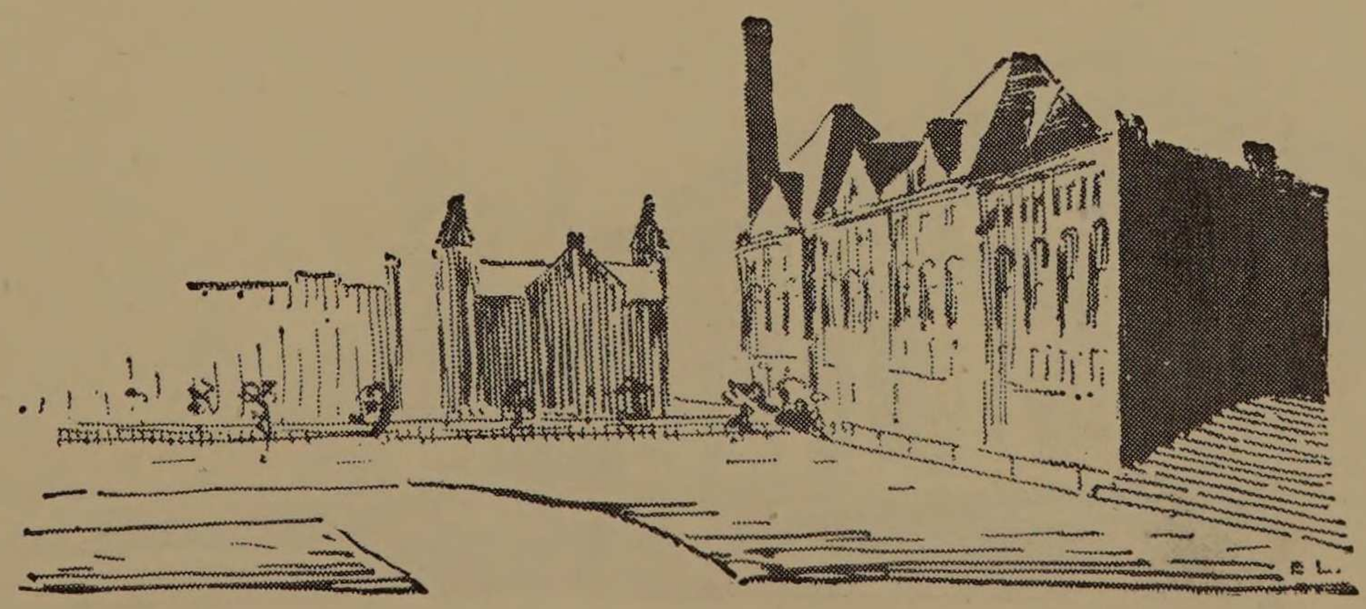


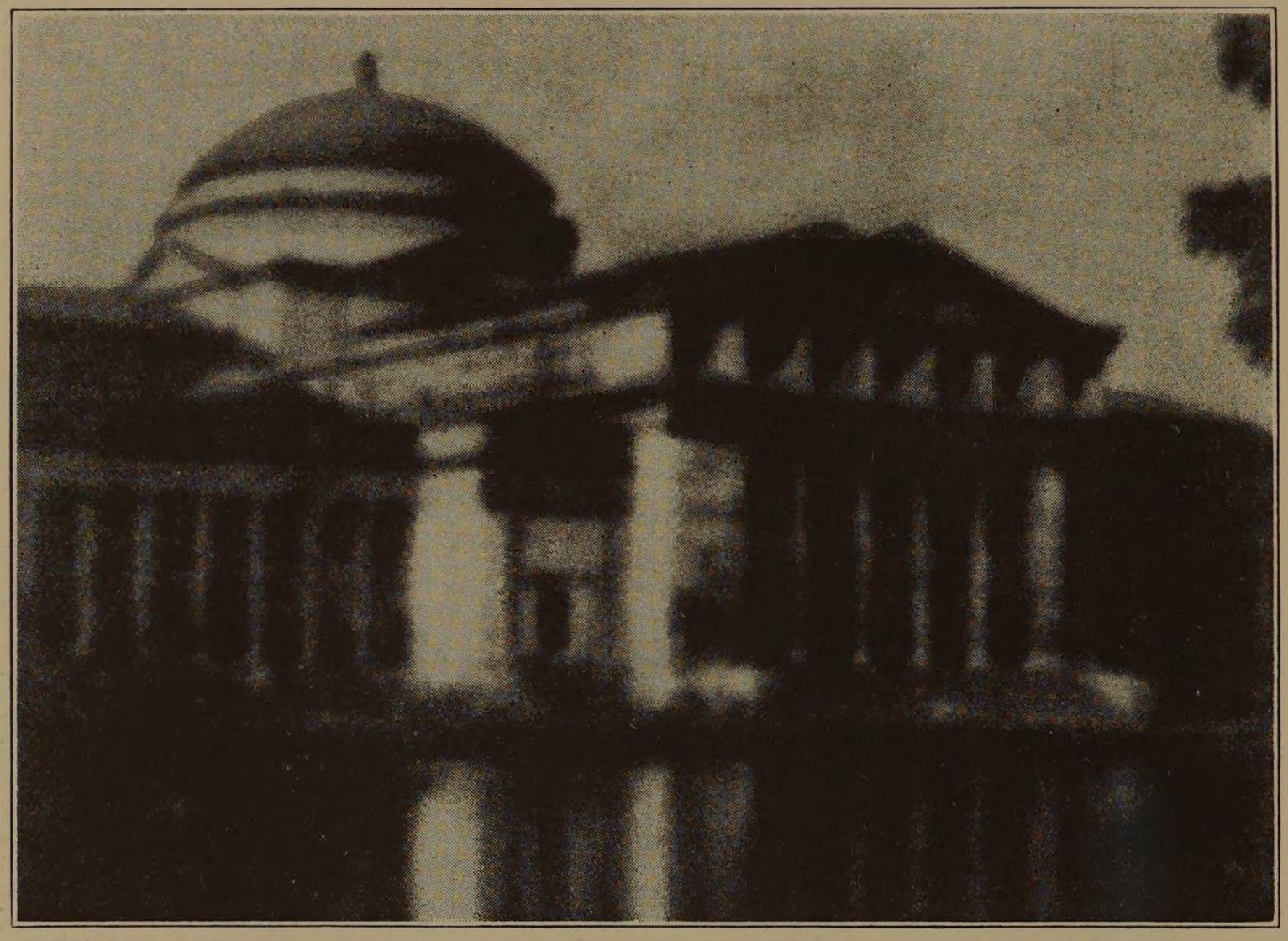
"Surely from the Heaven drops light for youth
if youth will walk thereby."





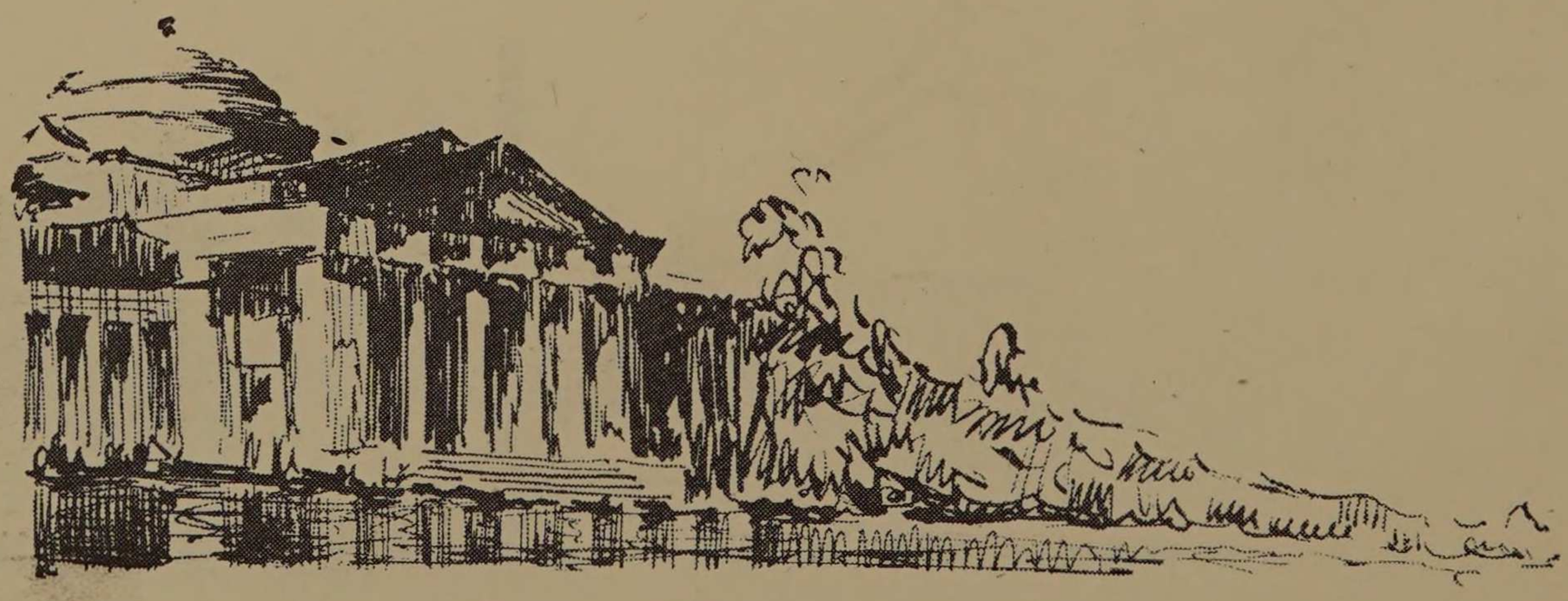
"Enough for man to work to hope to love."

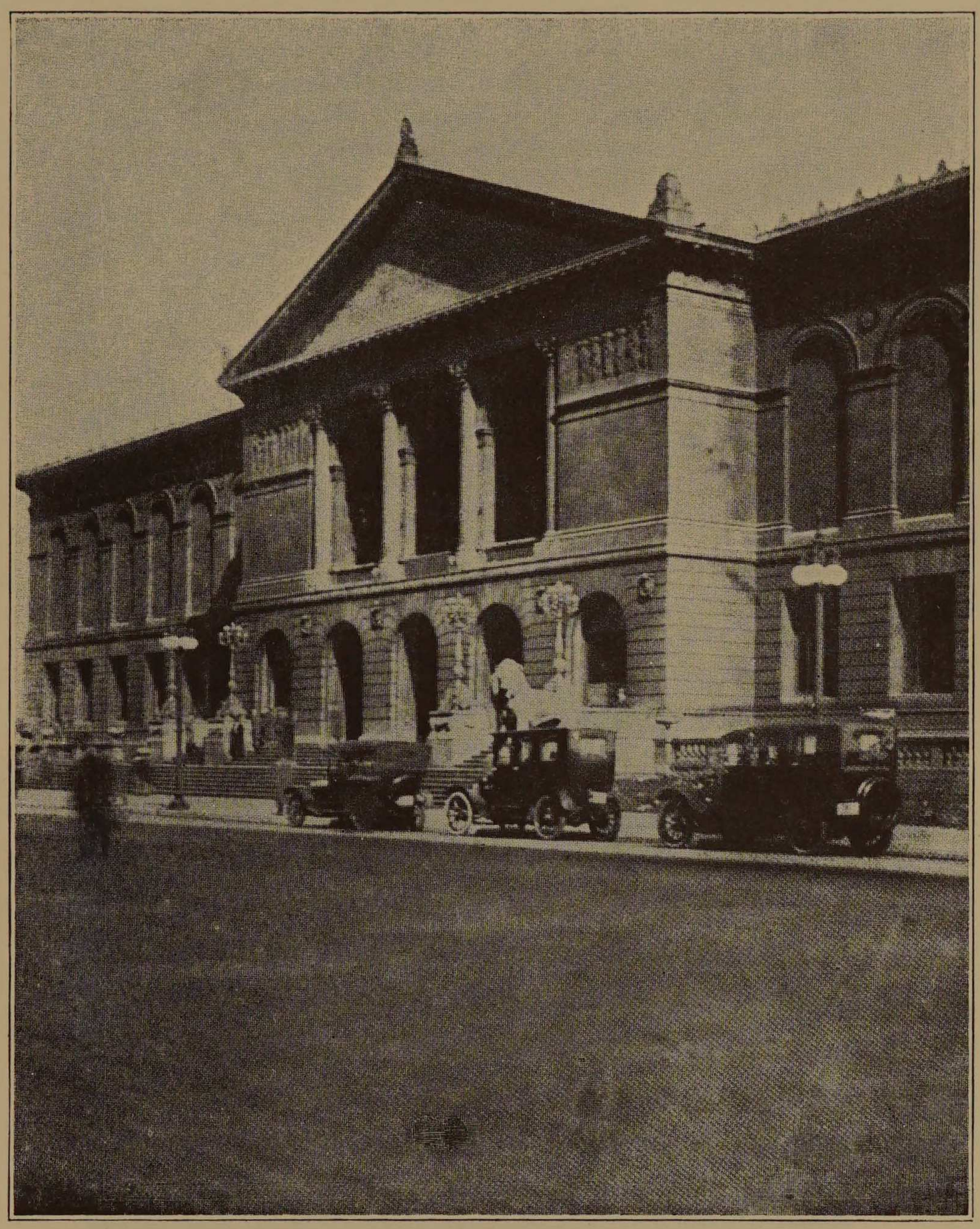




"Full of great rooms and small the palace stood
All various, each a perfect whole
From living Nature, fit for every mood
And change of my still soul."

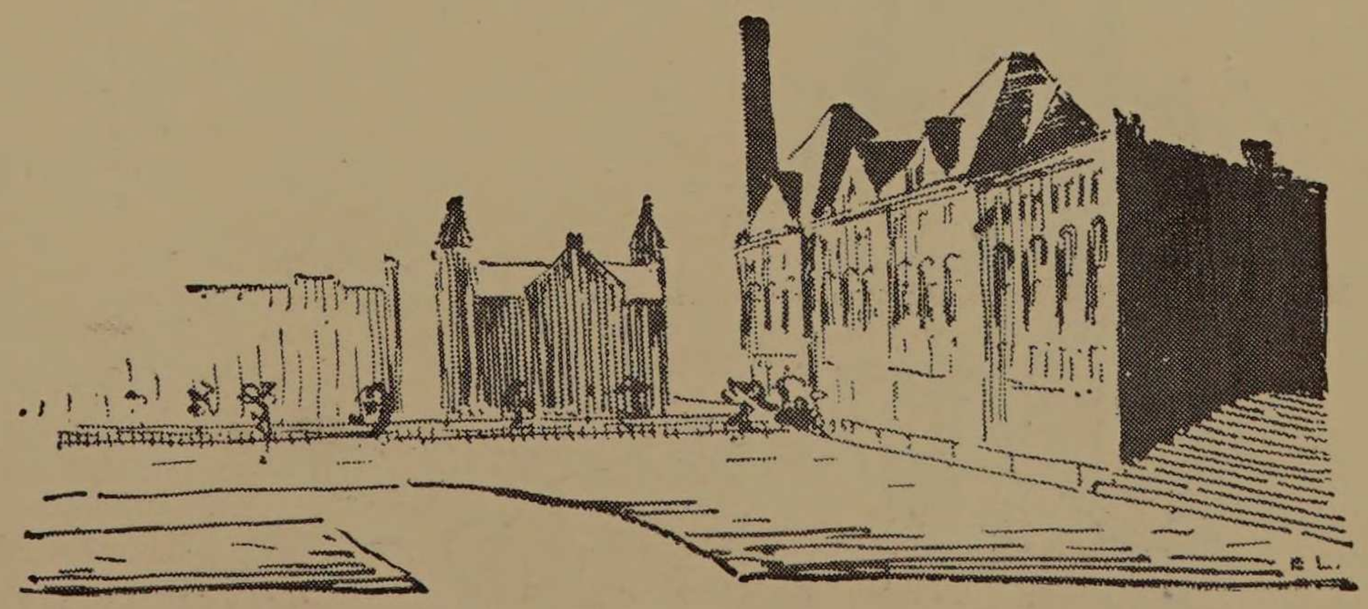
—Tennyson.

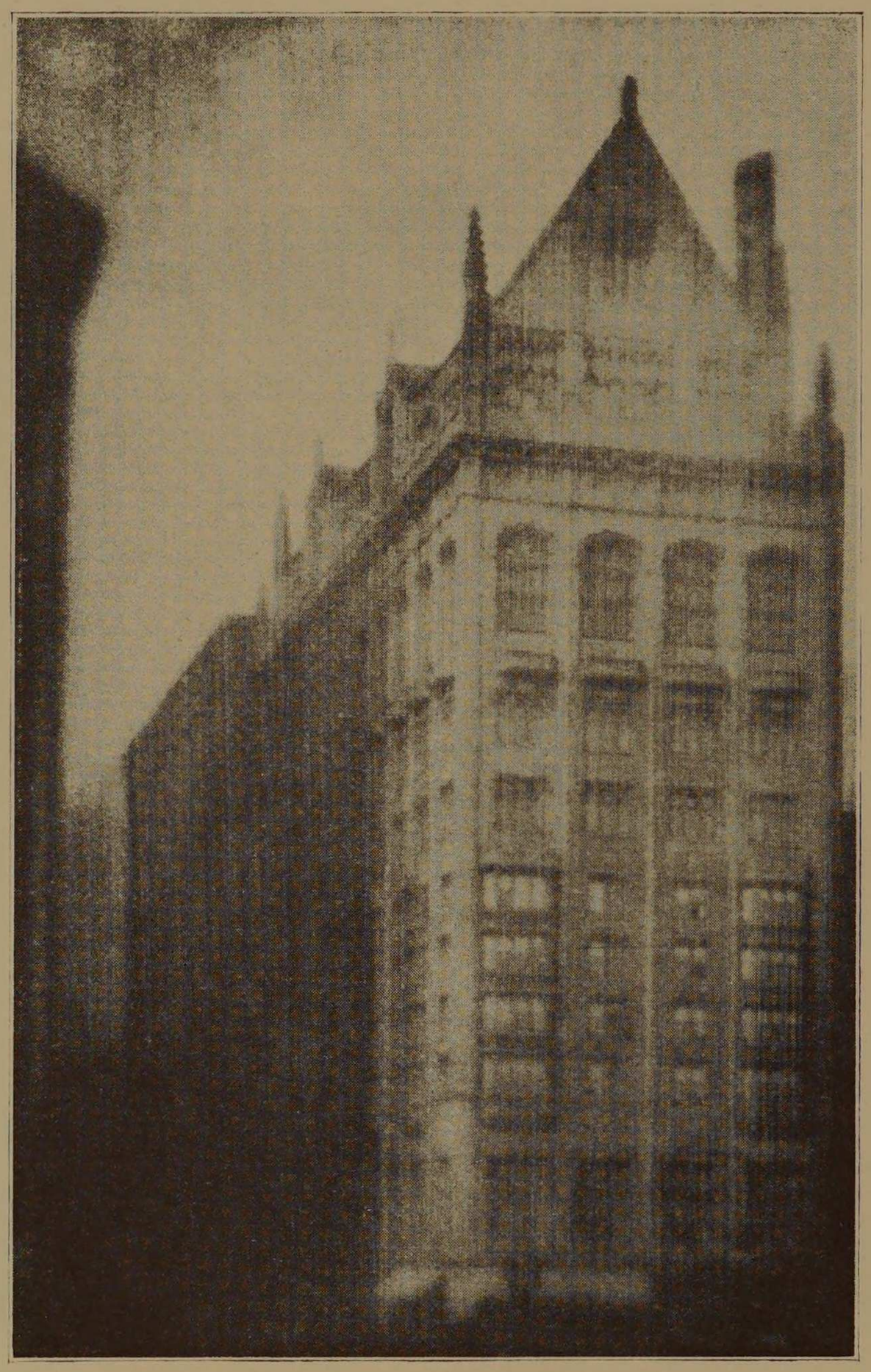




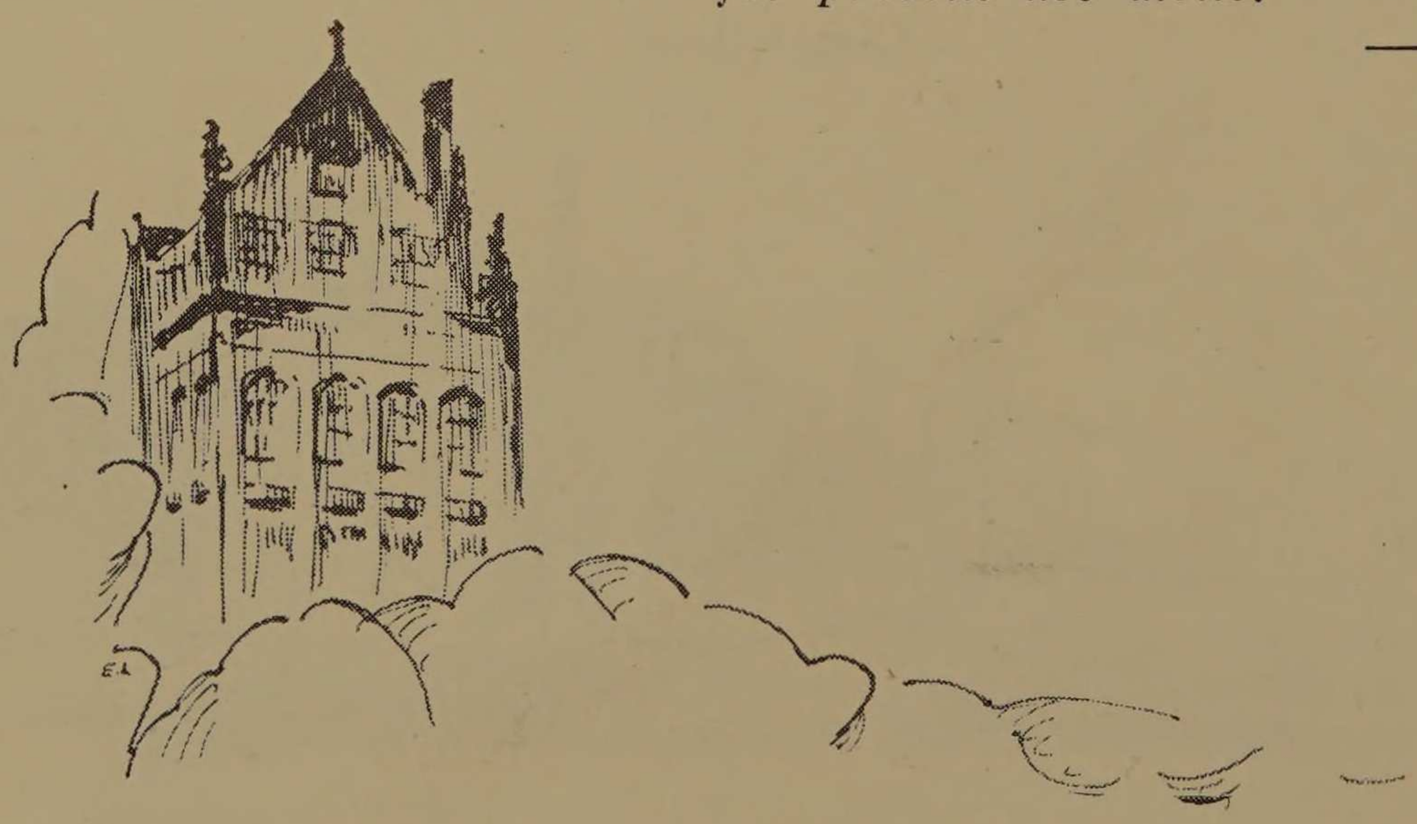
"All are architects of Fate,
Working in these walls of time;
Some with massive deeds and great,
Some with ornaments of rhyme."

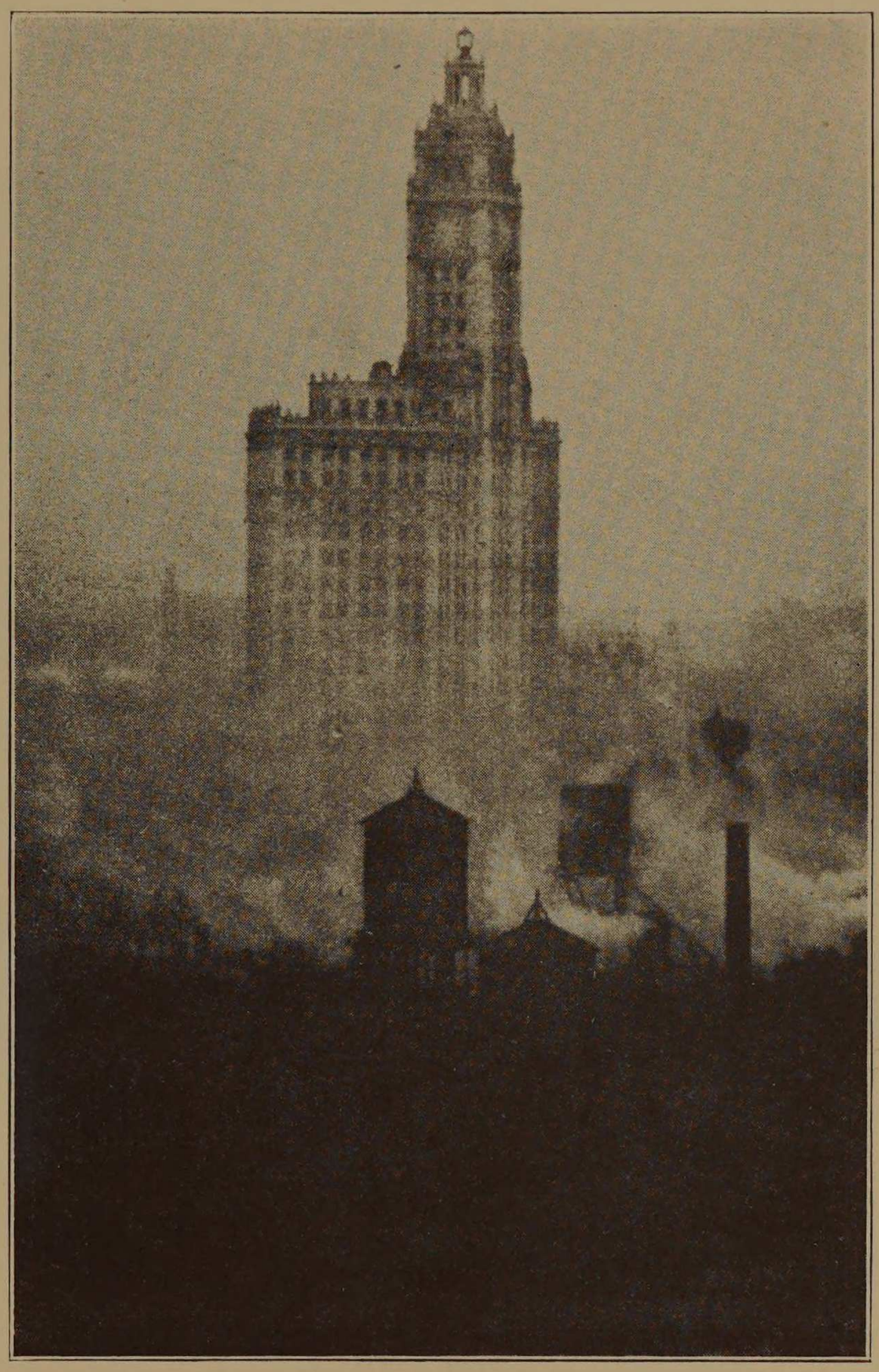
—Longfellow.





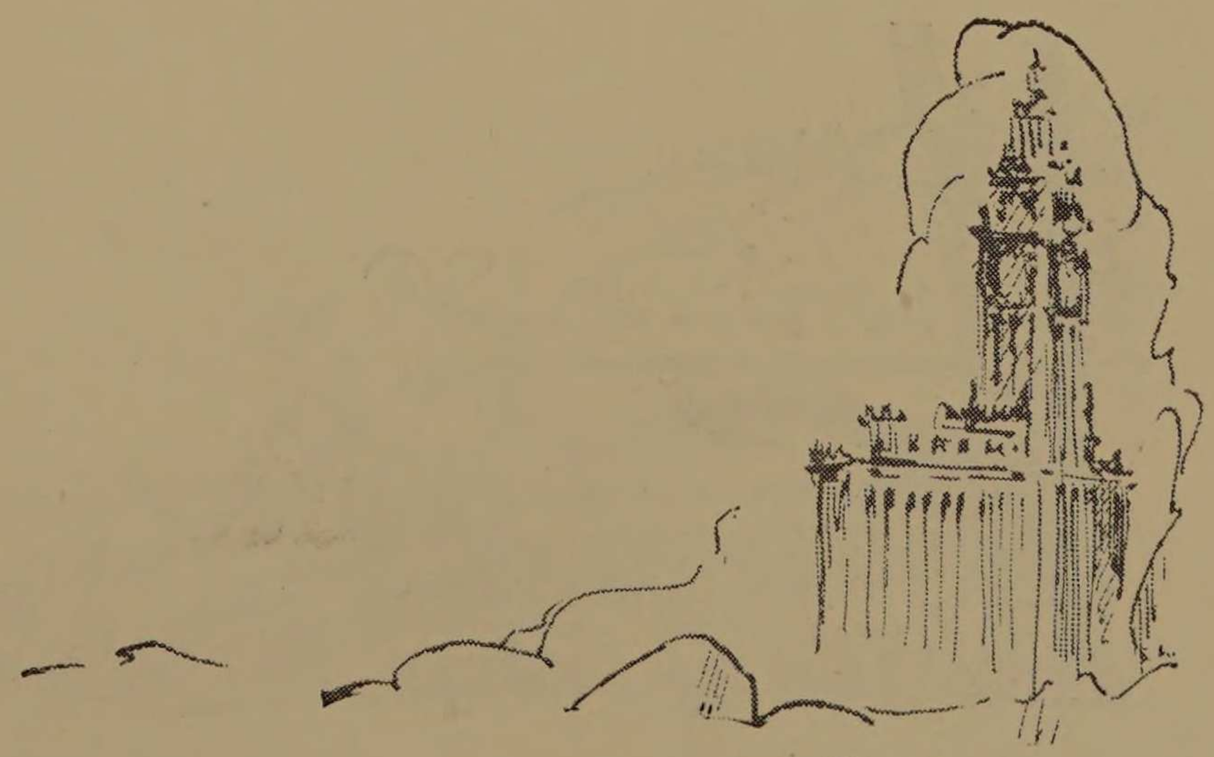
"When we build, let us think that we build for ever.
Let it not be for the present's delight nor for present use alone."
—Ruskin.





"Labor with what zeal we will,
Something still remains undone,
Something uncompleted still
Waits the rising of the sun."

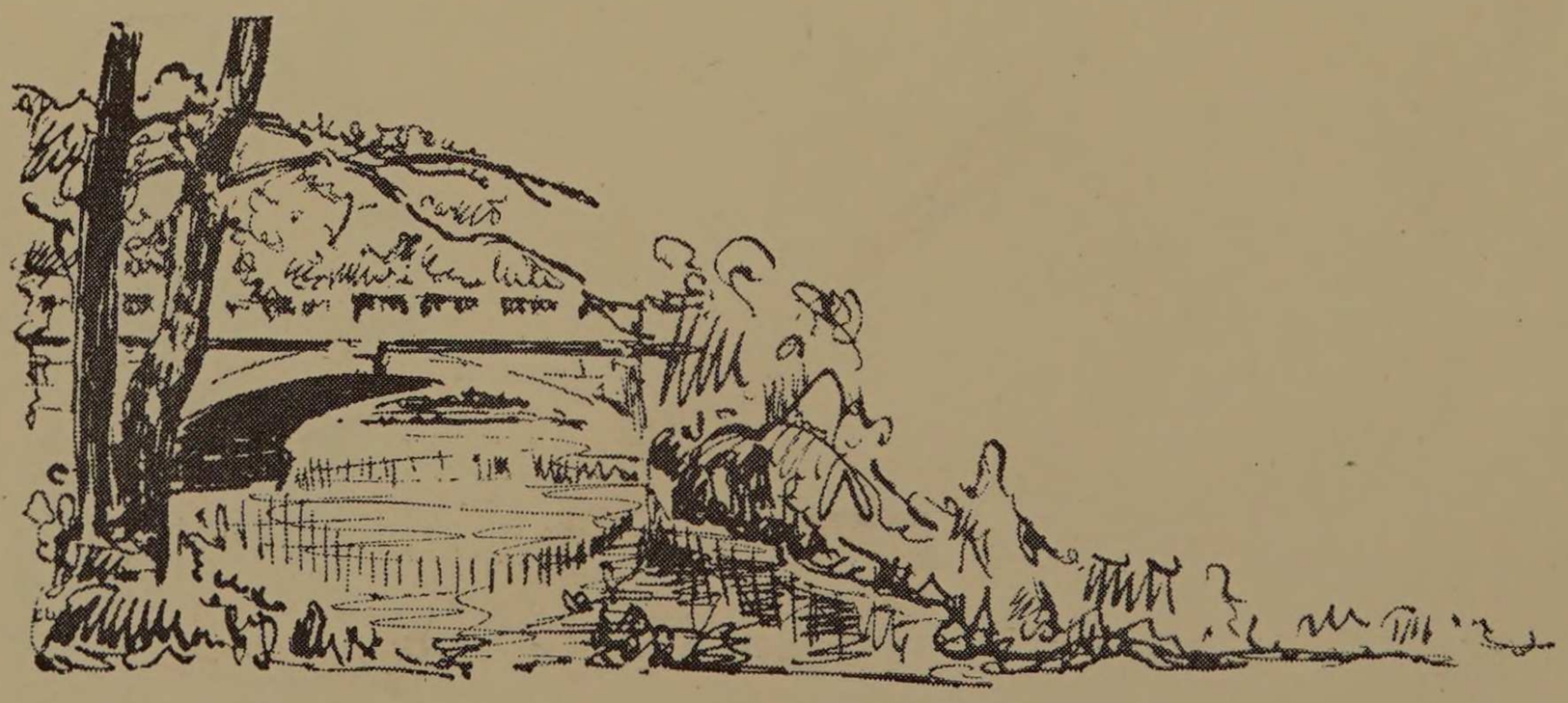
—Longfellow.

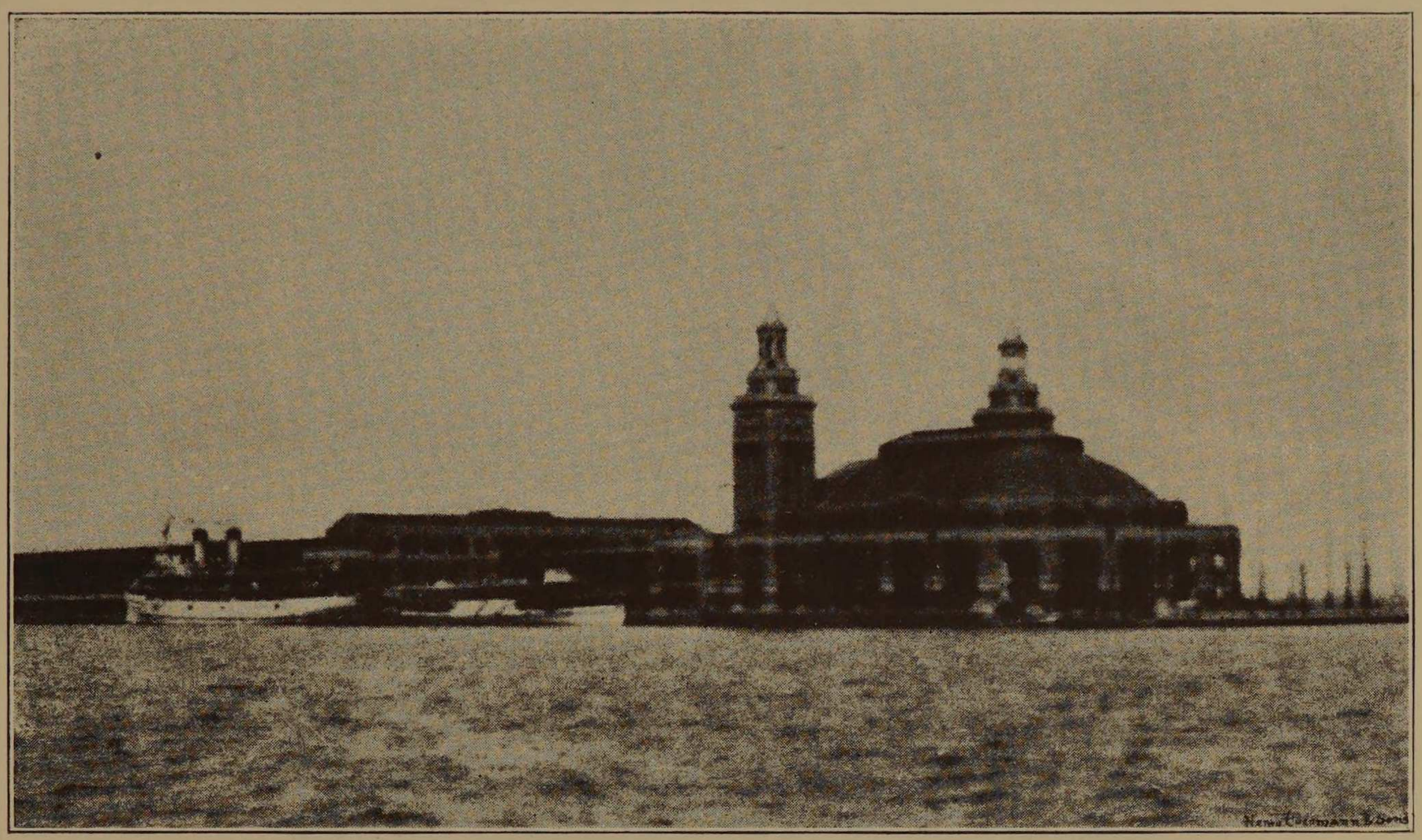




"'Twill not be long before we feel
The tender south wind's soft embrace.
And know the tug of straining wheel,
The wire-note of wind-taut brace.

With fair winds free and blowing strong
We'll set our course at F'ancy's call,
To Mackinac or ports along
A shore where sun-flecked waters sprawl.

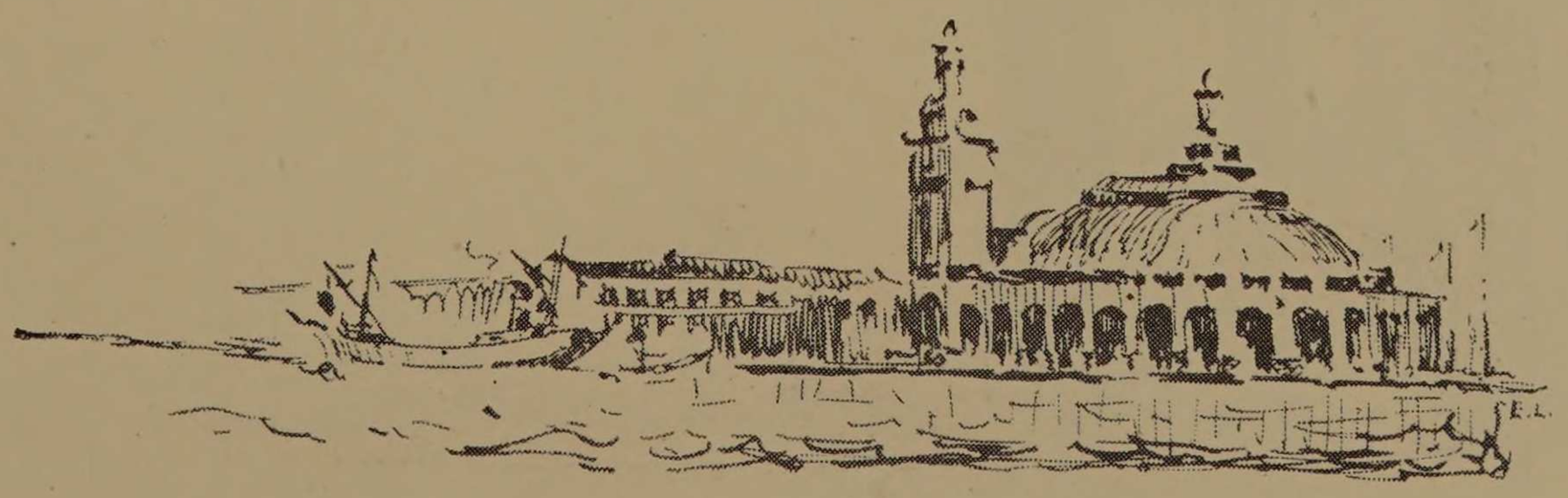




And glisten on the golden sand,
Where sea-gulls dip and figure eight
With speed of light o'er land and lake,
And green trees solemn curtsy make.

Oh, speed, kind Summer, to our heart!
Old Winter's shackles swift unchain.
And throw the snow-clouds far apart
That we may, carefree, sail again."

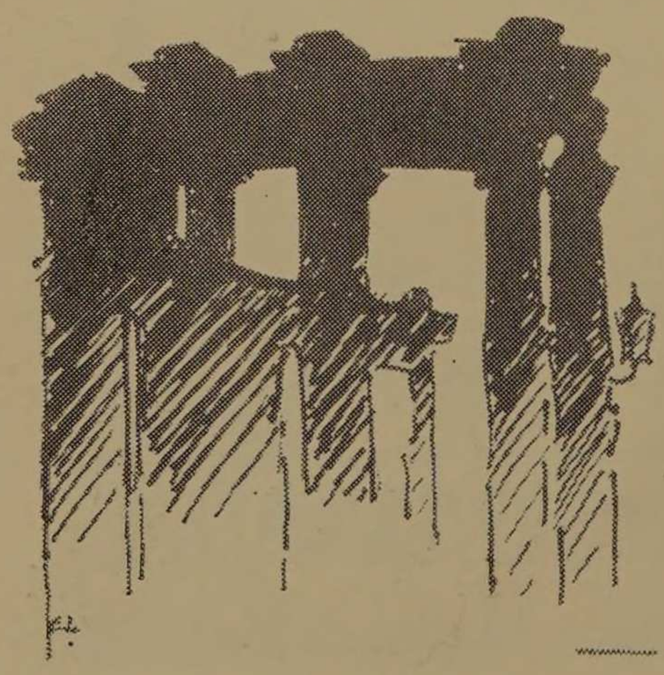
—Vanadis.

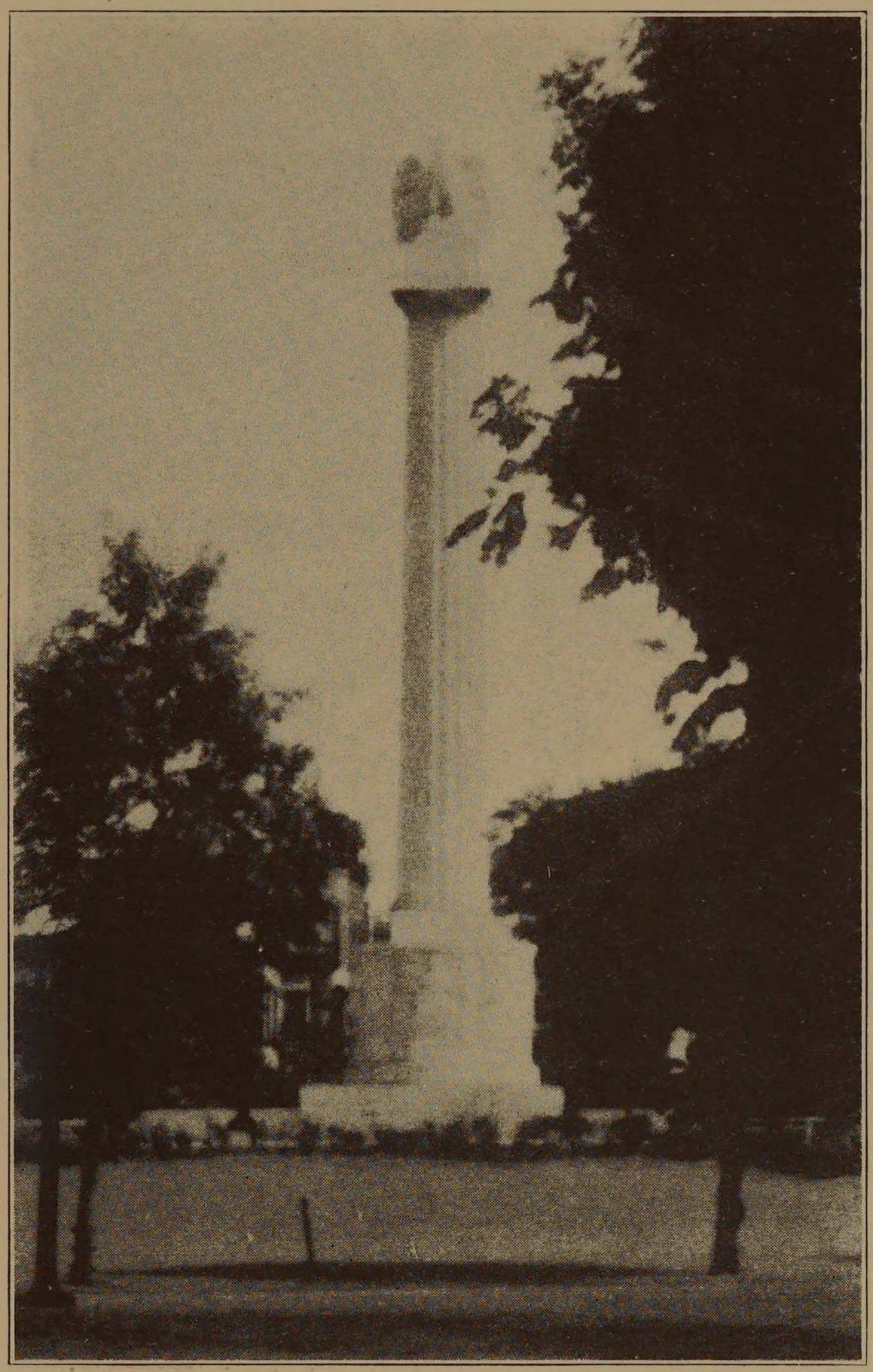




"The night is come, but not too soon;
And sinking, silently,
All silently, the little moon
Drops down behind the sky."

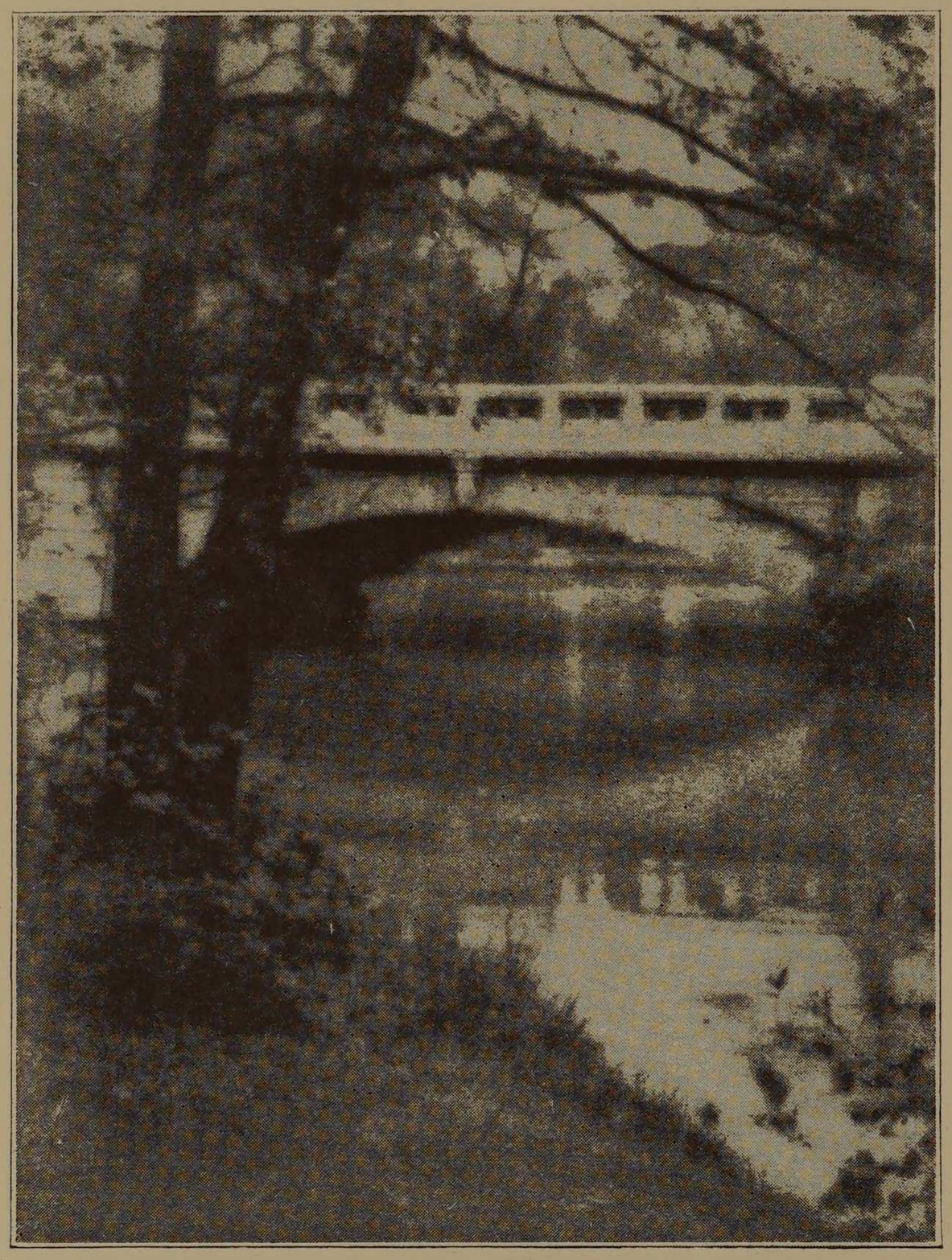
—Longfellow.





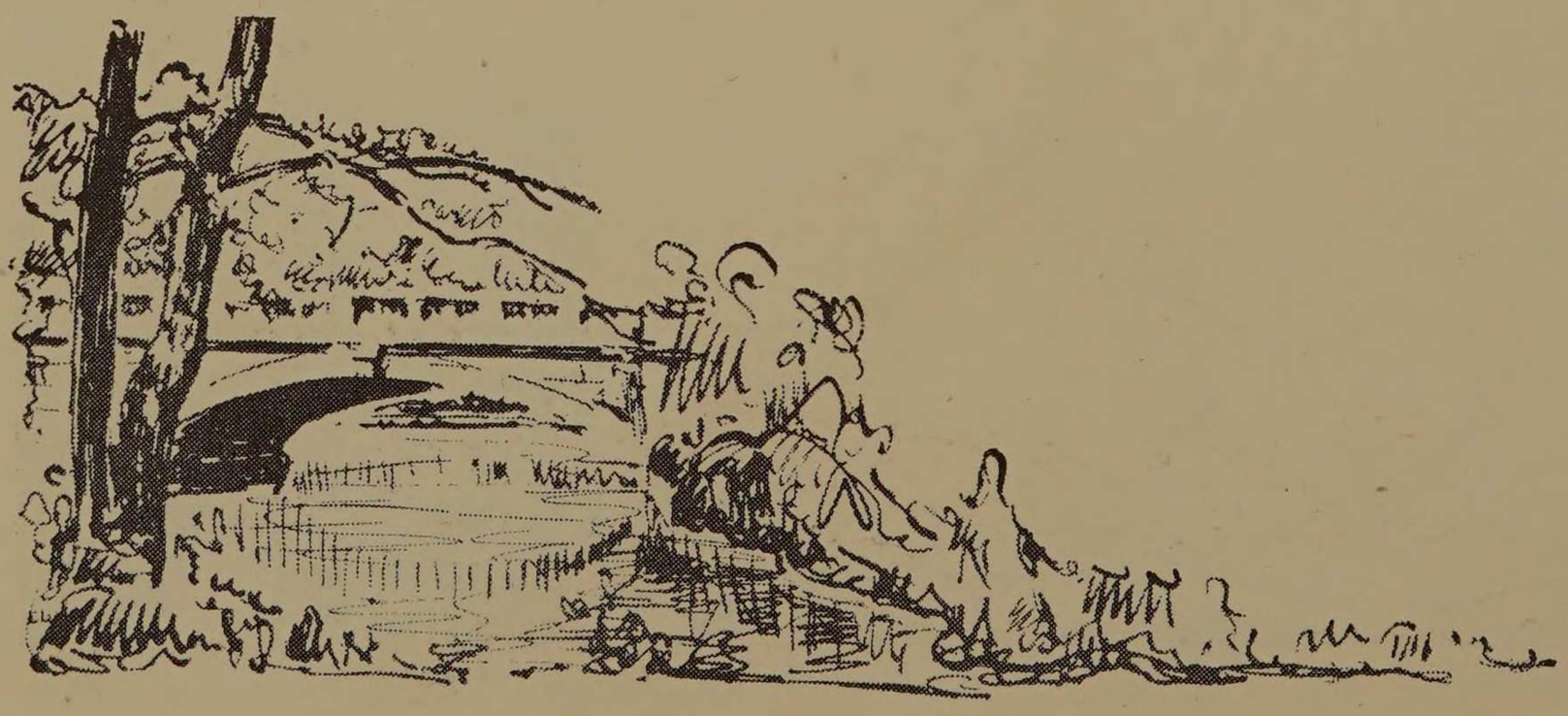
"To belong to Illinois, to the state of Lincoln,
spells duty and privilege and high obligation."





"The streams, rejoiced that winter's work is
done,
Talk of tomorrow's cowslips as they run."

—Elliott.



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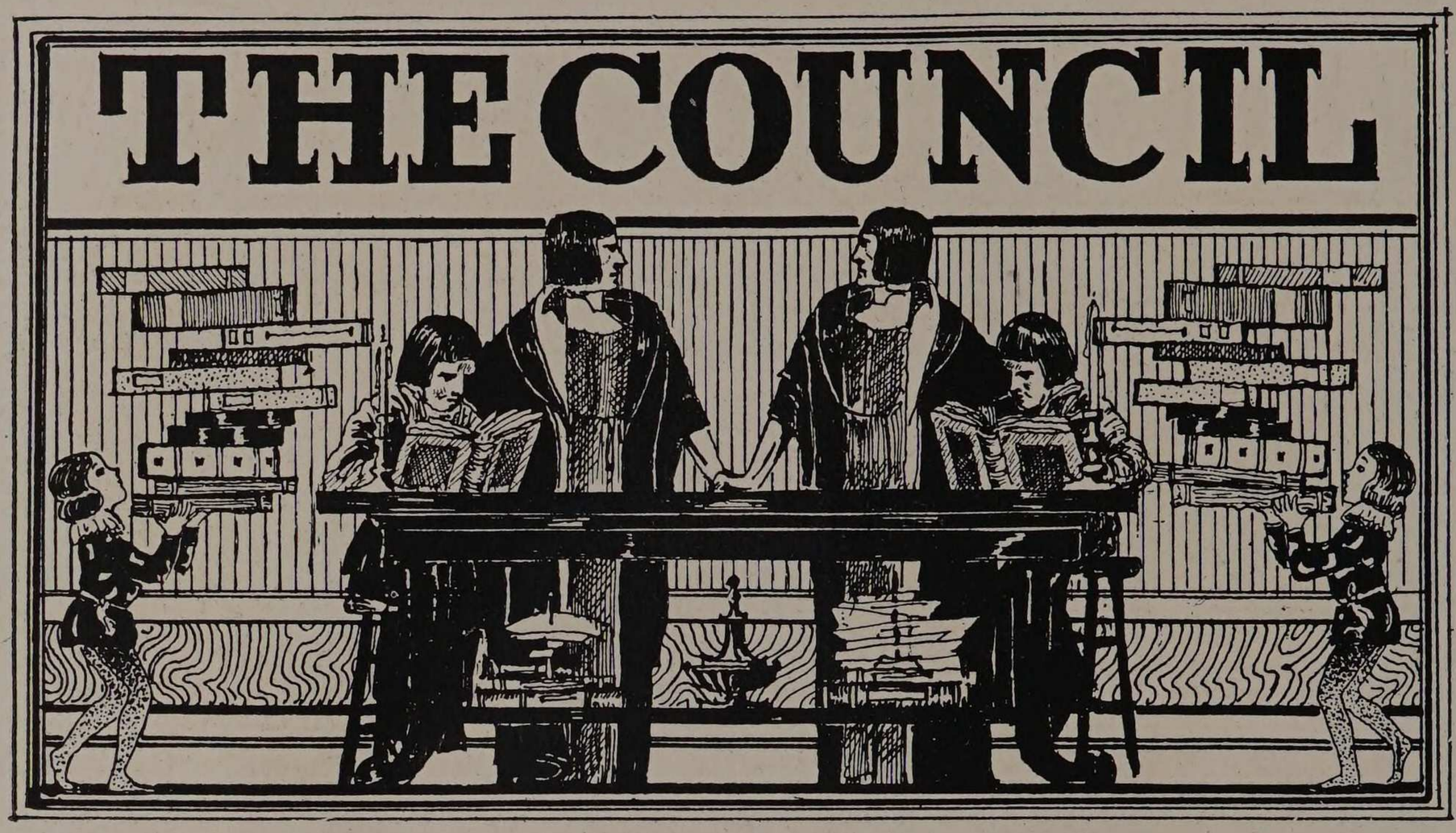

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The President

The Comptroller

The Dean of Cultural Studies

The Dean of Engineering Studies

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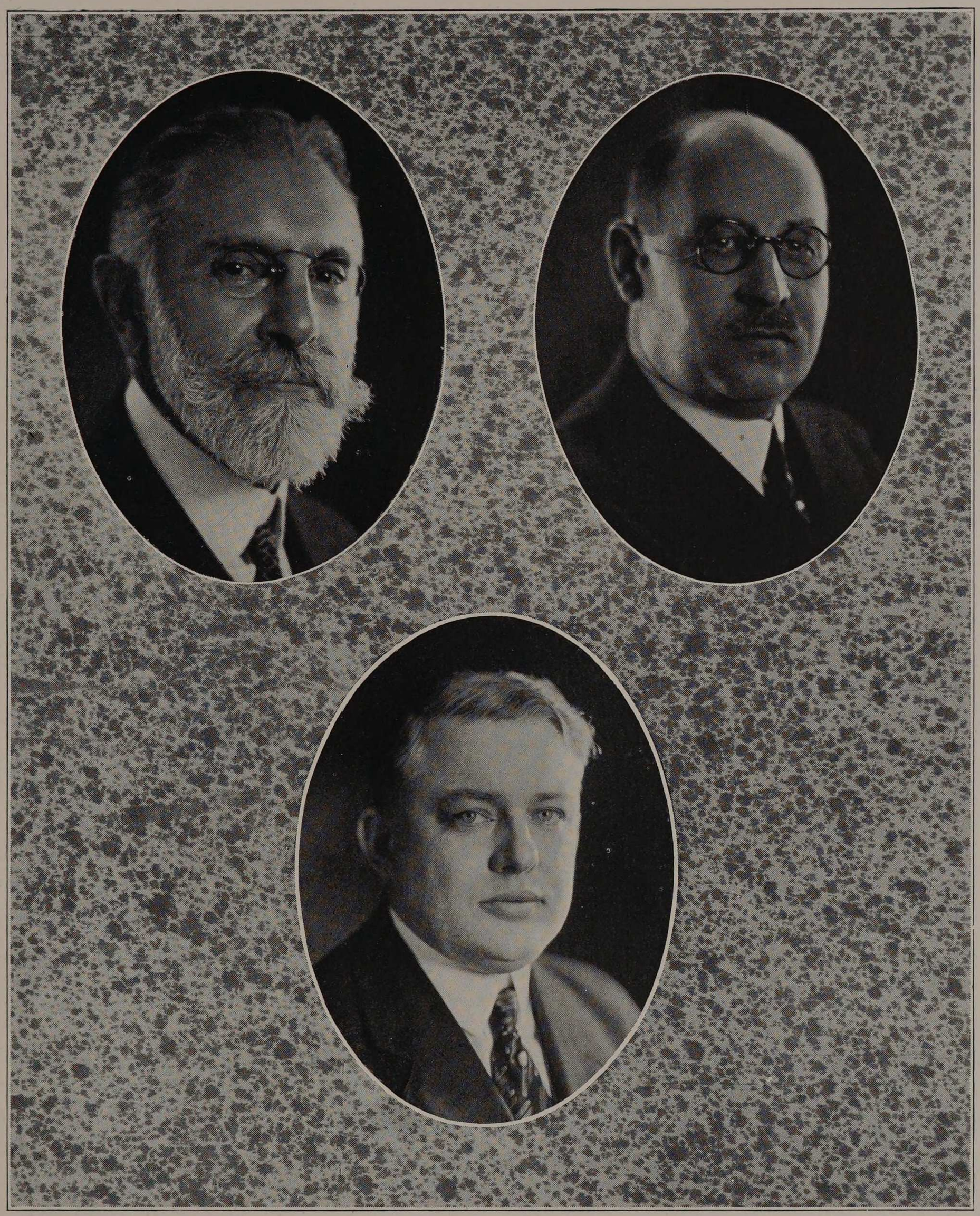

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Howard Monroe Raymond

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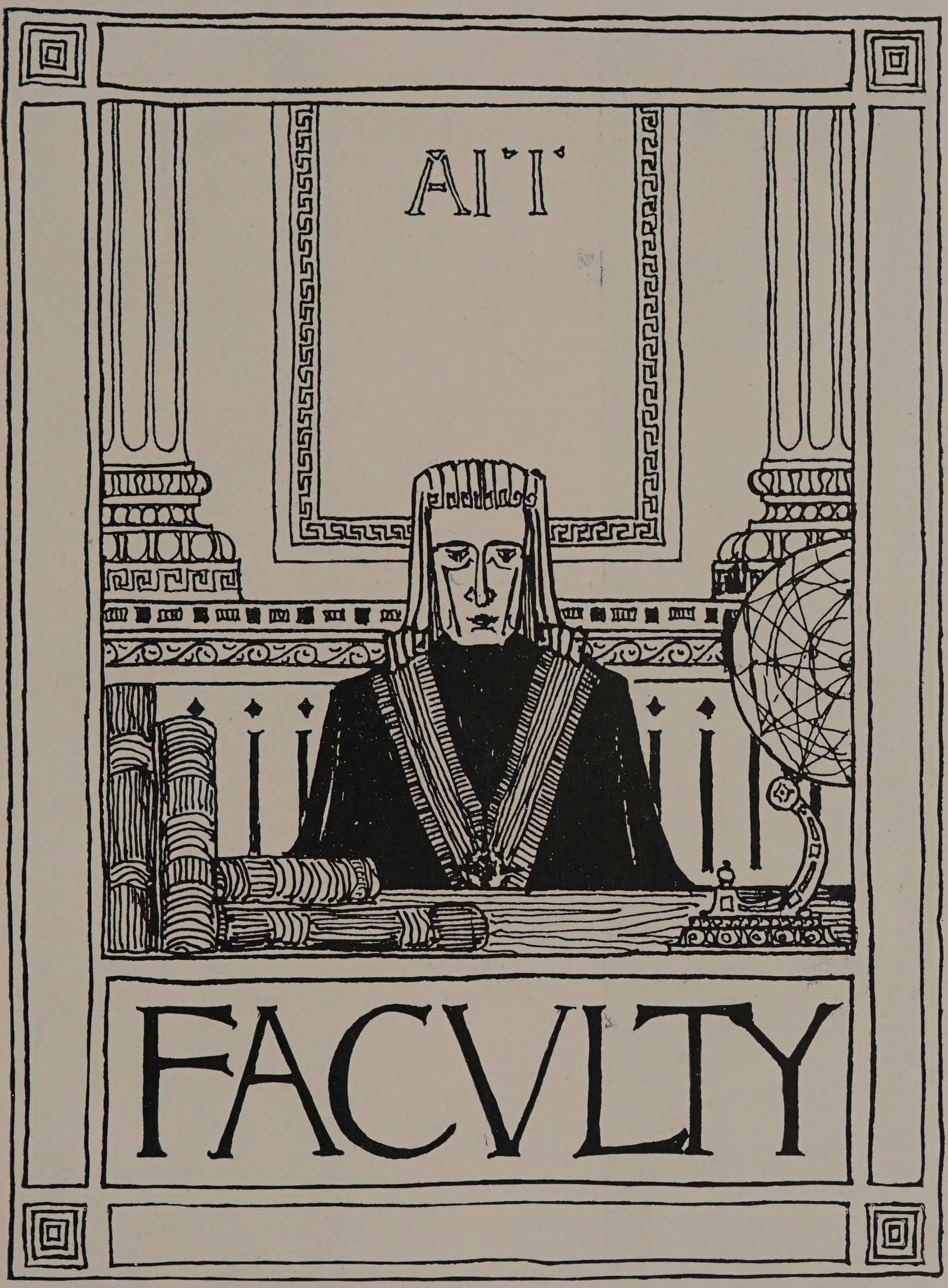

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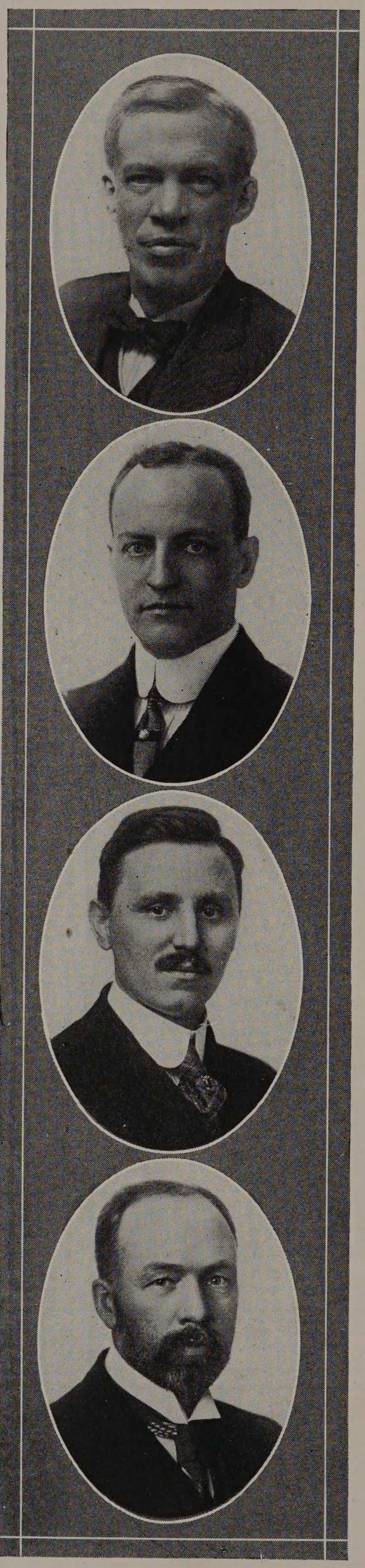


ALFRED EDWARD PHILLIPS

Professor of Civil Engineering.
Birthplace, Rouse's Point, N. Y.
A. B. and C. E., Union University, Schenectady, N. Y., 1887; A. M., 1890; Ph.D., 1894,
Phi Delta Theta; Sigma Xi; Tau Beta Pi; Member of American Society of Civil Engineers.
Residence, 307 Davis Street, Evanston, Ill.

GEORGE FREDERICK GEBHART

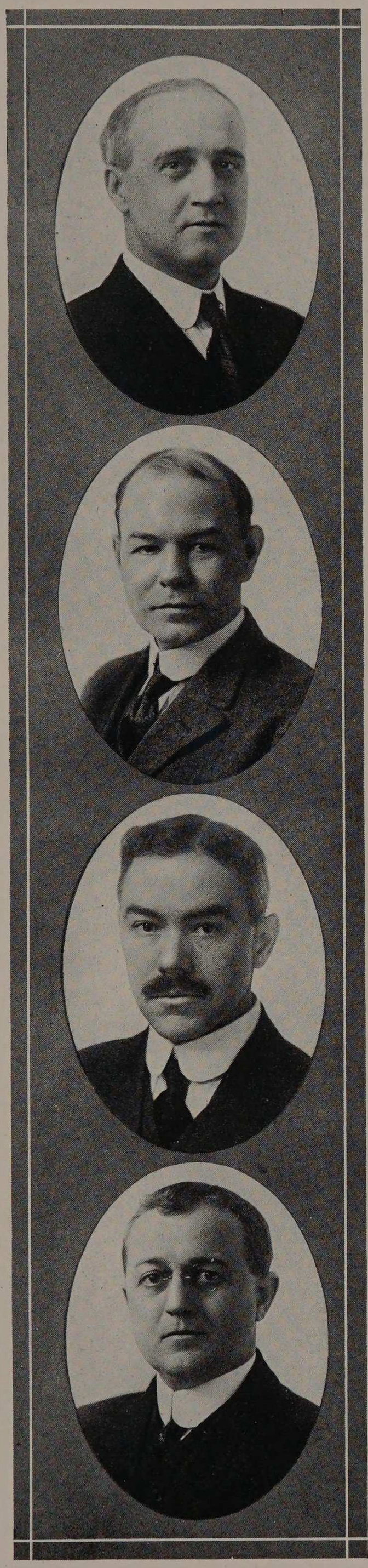
Professor of Mechanical Engineering.
Birthplace, Salt Lake City, Utah.
A. B., Knox College, 1895, M. E., Cornell University, 1886; Knox College, 1897.
Phi Delta Theta; Tau Beta Pi; Member of American Society of Mechanical Engineers; Western Society of Engineers; National Association of Stationary Engineers.
Residence, 1252 Columbia Avenue

GEORGE LAWRENCE SCHERGER

Professor of History and Political Science.
Birthplace, Lawrenceburg, Indiana.
A. B., University of Indiana, 1894.
University of Leipzig, Berlin. (1895-98). Ph. D., Cornell University, 1899.
Member of American Historical Association; City Press Club.
Residence, 5228 Michigan Avenue.

GUY MAURICE WILCOX

Professor of Physics.
Birthplace, Kansas City, Kansas.
A. B., Carleton College, 1891. A. M. University of Wisconsin, 1902. Fellow of American Physical Society and Fellow of American Association for the Advancement of Science.
Author of "Physics Laboratory Manual."
Research Work on "Optical Rotary Power of Sugar in Non-Aqueous Solutions."
Residence, 5225 Ingleside Avenue.



DONALD FRANCIS CAMPBELL
Professor of Mathematics.
Birthplace, Nova Scotia.
A. B., Dalhousie College, Halifax, Nova Scotia, 1890; A. B., Harvard University, 1893. A. M., 1895; Ph. D., 1898.
Author of "Elements of Differential and Integral Calculus." "A Short Course in Differential Equations."
Research Work in Differential Equations.
Residence, 1209 Hinman Avenue, Evanston, Illinois.

HARRY McCORMACK
Professor of Chemical Engineering.
Birthplace, Spencer, Iowa.
B. S., Drake University, 1896. M. S., University of Illinois, 1899.
Member of American Chemical Society; American Institute of Chemical Engineers; American Electro-Chemical Society; American Society for Testing Materials.
Author of Journal Articles on Metallurgy and Industrial Chemistry.
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ERNEST HARRISON FREEMAN
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Birthplace, Topeka, Kansas.
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Tau Beta Pi; Honorary Member, Eta Kappa Nu.
Member of American Institute of Electrical Engineers; Illuminating Engineering Society; Society for the Promotion of Engineering Education.
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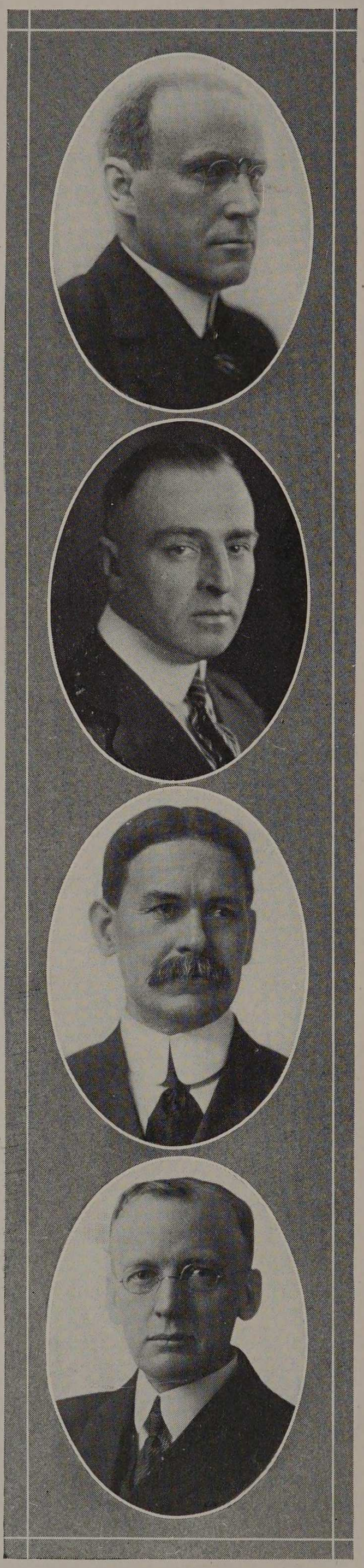
CHARLES EDWARD PAUL
Professor of Mechanics.
Birthplace, Belfast, Maine.
B. S., Massachusetts Institute of Technology.
Theta Xi; Tau Beta Pi.
Member of American Society of Mechanical Engineers; American Society of Civil Engineers; American Society for Testing Materials; American Railway Engineering Association; American Railway Bridge and Building Association; American Wood Preservers' Association; Western Society of Engineers; National Fire Protecting Association; Society for the Promotion of Engineering Education.
Author of numerous pamphlets and articles on engineering materials as applied to construction.
Residence, 1502 Pratt Boulevard.



JOSEPH BERNARD FINNEGAN

Professor of Fire Protection Engineering.
Birthplace, Stoneham, Massachusetts.
B. S., Massachusetts Institute of Technology, 1904.
Member of National Fire Protection Association.
Member of American Society of Mechanical Engineers.
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Medical Adviser and Examining Physician.
Birthplace, Fox Lake, Wisconsin.
M. D., University of Northwestern Medical School, 1905; Attending Surgeon at Mercy Hospital; Member of American and Illinois State Medical Associations; Member Chicago Medical Society.
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Birthplace, Athens, Ohio.
M. S., Ohio University, 1896. E. E., Armour Institute of Technology, 1901. A. M., Ohio University, 1904.
Member American Institute of Electrical Engineers; Member of Western Society of Engineers.
Member of Society for the Promotion of Engineering Education.
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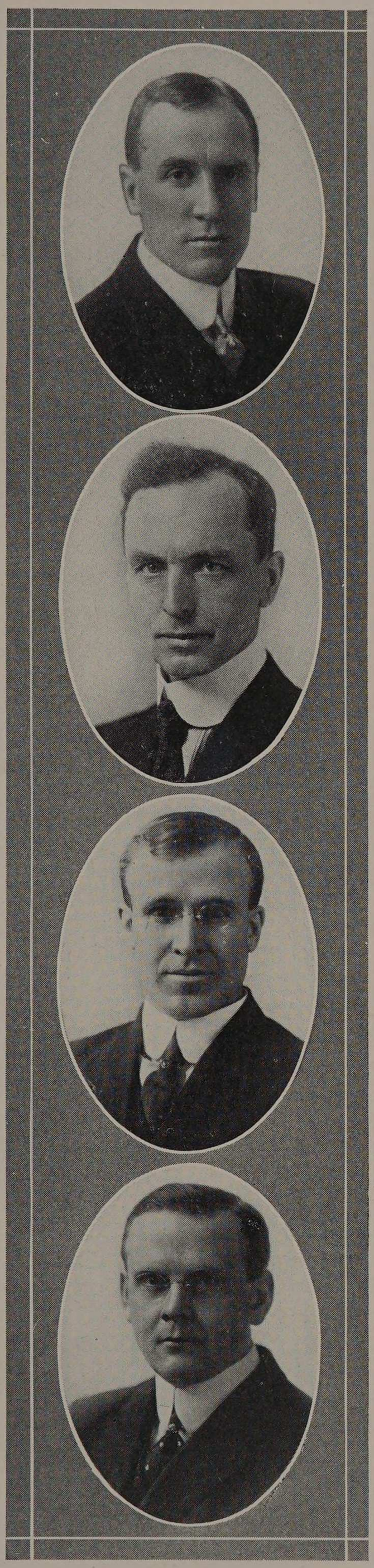
MELVILLE BAKER WELLS

Associate Professor of Bridge and Structural Engineering.
Birthplace, Commiskey, Indiana.
B. C. E., Purdue University, 1894; C. E., 1895.
Phi Delta Theta; Tau Beta Pi.
Member Western Society of Engineers.
Author of "Steel Bridge Engineering."
Residence, 11252 South Oakley Avenue.



ROBERT VALLETTE PERRY

Associate Professor of Machine Design.
Birthplace, Hartford, Connecticut.
B. S., Armour Institute of Technology, 1897; M. E., 1902.
Tau Beta Pi; Omega Lambda.
Residence, 6340 Normal Boulevard.

THOMAS EATON DOUBT

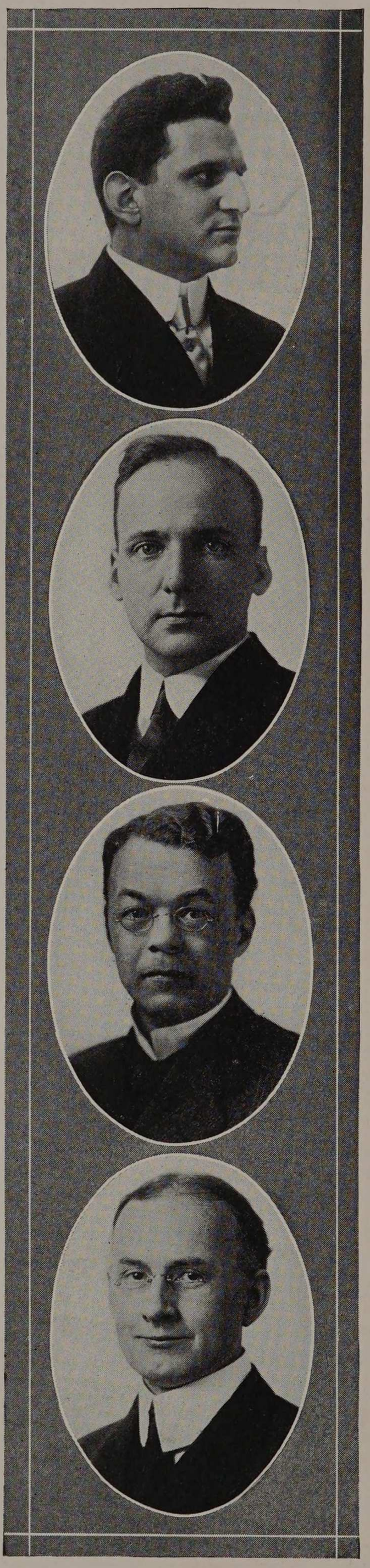
Associate Professor of Physics.
Birthplace, Louisville, Ky.
B. S., Nebraska Wesleyan University, 1892; A. M., University of Nebraska, 1896; Ph. D., University of Chicago, 1904; Fellowships at University of Nebraska and University of Chicago; Professor of Physics at University of Washington, 1897 to 1902.
Sigma Xi; Fellow of the American Association for the Advancement of Science; Fellow of American Physical Society.
Research Work on Absolute Color Equation, Velocity of Light and Spectrum Analysis; Optical Determination of Organic Compounds; Absorption of Gases by Charcoal.
Residence, 5402 Drexel Avenue.

CHARLES WILBUR LEIGH

Associate Professor of Mechanics.
Birthplace, Peoria, Illinois.
B. S., University of Illinois, 1897;
Phi Gamma Delta; Tau Beta Pi.
Co-author of a Textbook on Trigonometry.
Residence, 7320 Lafayette Avenue.

DAVID PENN MORETON

Associate Professor of Electrical Engineering.
Birthplace, Moscow, Ohio.
B. S., Armour Institute of Technology, 1906; E. E., 1910.
Tau Beta Pi; Associate Member of American Institute of Electrical Engineers.
Author of "Practical Applied Electricity," "Drake's Telephone Handbook," "Electrical Measurements and Meter Testing," "Electrical Equipment of the Motor Car."
Residence, 3913 Michigan Avenue.



BENJAMIN BALL FREUD

Associate Professor of Organic Chemistry.
Birthplace, Chicago, Illinois.
B. S., University of Chicago, 1904; Ch. E., Armour Institute of Technology.
Phi Beta Kappa; Sigma Xi; Member of American Chemical Society; American Electro-Chemical Society; American Institute of Mining Engineers; Associate Member of American Physical Society.
Physico-Organic Research on "Oxidation."
Residence, 3273 Altgeld Street.

CHARLES AUSTIN TIBBALS

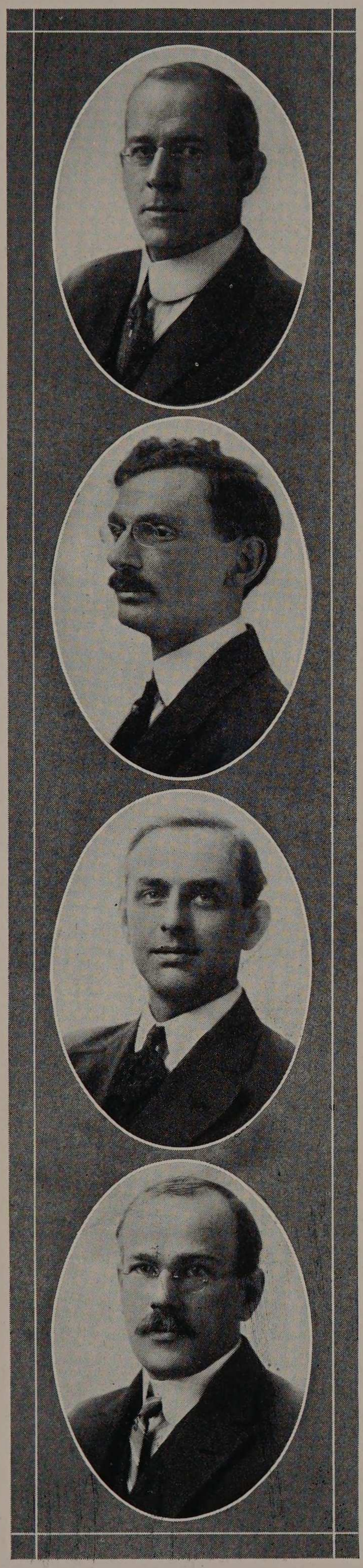
Associate Professor of Analytical Chemistry.
Birthplace, New York City, N. Y.
A. B., University of Wisconsin, 1904; A. M., 1906; Ph. D., 1908.
Phi Gamma Delta; Phi Lambda Upsilon; Sigma Xi; American Chemical Society and American Association for the Advancement of Science.
Original Research, "A Study of Tellurides."
Residence, 511 Hawthorn Lane, Winnetka, Illinois.

CLYDE BARNES COOPER

Associate Professor of English.
Birthplace, Prairie City, Illinois.
A. M., University of Iowa; Ph. D., University of Chicago.
Residence, 1126 East 62nd Street.

OLIVER CHARLES CLIFFORD

Associate Professor of Electrical Engineering.
Birthplace, Wadsworth, Ohio.
A. B., Oberlin College, 1893; Ph. D., University of Chicago, 1907.
Sigma Chi.
Research Work on "Susceptibility of Copper and Tin Alloys," and "Study of Heusler Alloys."



CLAUDE IRWIN PALMER

Associate Professor of Mathematics.
Birthplace, Michigan.
A. B., University of Michigan, 1903.
Member of the American Association for the Advancement of Science; American Mathematical Society; Mathematical Association of America.
Author of "Arithmetic with Applications," "Geometry with Applications," "Algebra with Applications," "Trigonometry and Logarithms," Co-author of Trigonometry, Plane and Solid Geometry, and Analytic Geometry.
Residence, 6440 Greenwood Avenue.

HENRY LEOPOLD NACHMAN

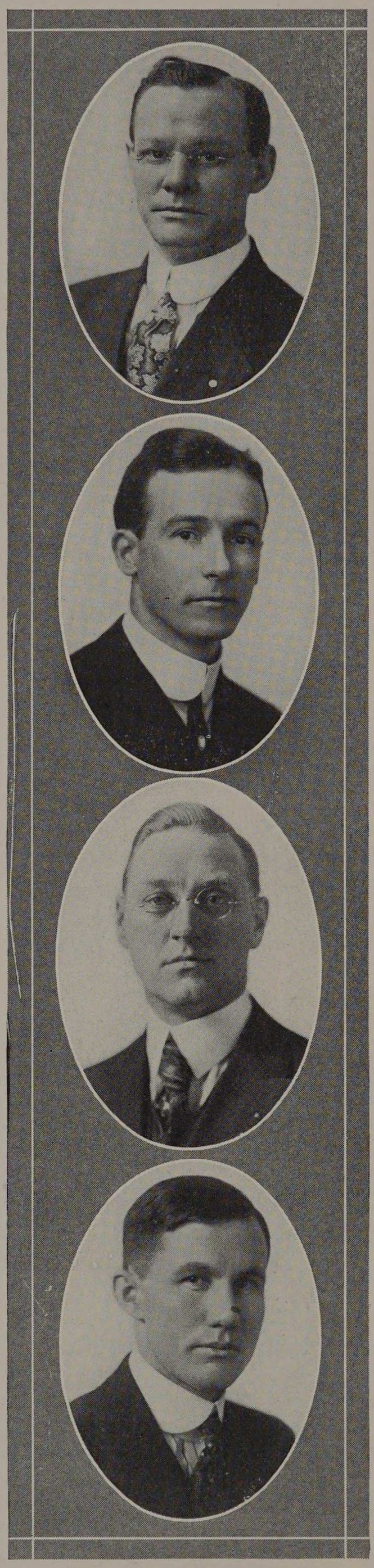
Associate Professor of Thermodynamics.
Birthplace, Sommerfield, Germany.
B. S., Armour Institute of Technology, 1902; M. E., 1905.
Tau Beta Pi; Beta Phi.
Residence, 6049 Eberhart Avenue.

DANIEL ROESCH

Associate Professor of Gas Engineering.
Birthplace, Aurora, Illinois.
B. S., Armour Institute of Technology, 1904; M. E., 1908.
Tau Beta Pi; Beta Phi; Member of American Society for Testing Materials; Society of Automomtive Engineers, Inc.
Chairman Publication Committee, S. A. E.
Residence, 6230 St. Lawrence Avenue.

HERBERT JULIUS ARMSTRONG

Associate Professor of Railway Engineering.
Birthplace, Sunderland, Mass.
B. S., Massachusetts Agricultural College, 1897.
Phi Sigma Kappa; Member of American Railway Engineering Association; Member Western Society of Engineers.
Residence, 11353 South Irving Avenue, Morgan Park, Chicago.



EDWIN STEPHEN LIBBY

Associate Professor of Experimental Engineering.
Birthplace, Portland, Maine.
B. S., Armour Institute of Technology, 1902; M. E., 1907.
Tau Beta Pi; Member American Society of Mechanical Engineers.
Residence, 11028 Esmond Street.

JAMES CLINTON PEEBLES

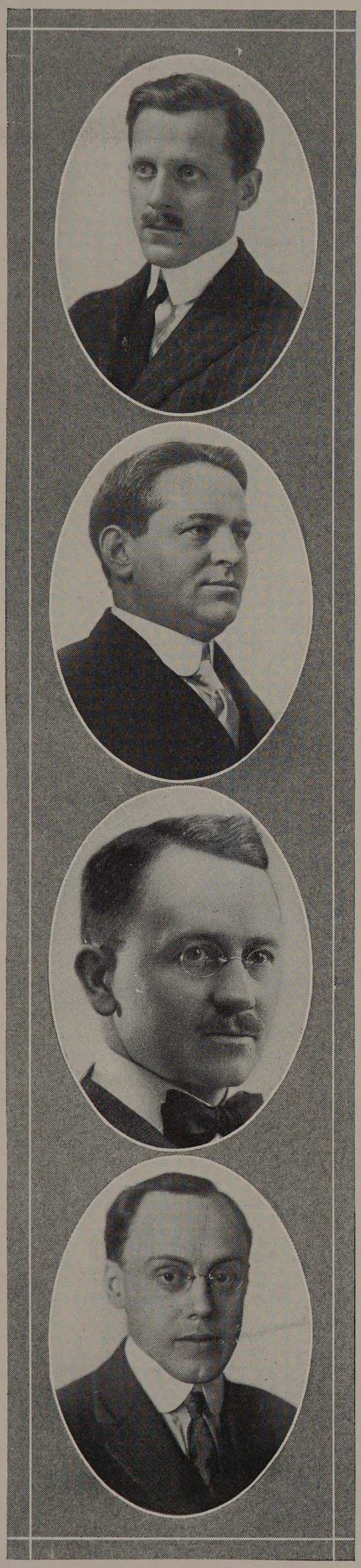
Associate Professor of Experimental Engineering.
Birthplace, Dreghorn, Scotland.
B. S., Armour Institute of Technology, 1904; E. E., 1908; M. M. E., Cornell University, 1908.
Gamma Alpha; Sigma Xi; Tau Beta Pi; Sigma Kappa Delta; Member American Society of Mechanical Engineers.
Residence, 9601 South Seeley Avenue.

JOHN CORNELIUS PENN

Associate Professor in Hydraulic Engineering.
Birthplace, Wetering, Netherlands.
B. S., Armour Institute of Technology, 1905; C. E., 1910.
Tau Beta Pi; Omega Lambda; Member Western Society of Engineers; Society for the Promotion of Engineering Education.
Residence, 49 West 109th Street.

PHILLIP C. HUNTLEY

Associate Professor in Experimental Engineering.
Birthplace, Camden, Arkansas.
B. S., Arkansas University, 1909; Sigma Chi; Tau Beta Pi; Member American Society for Testing Materials; Member American Steel Treater's Society.
Residence, 4222 Grand Boulevard.



EARL H. REED, JR.

Associate Professor of Architectural Design.
Birthplace, Norwood Park, Ill.
B. S., Massachusetts Institute of Technology, 1907; Student Gaston Redon, 1909-1913; Ecole des Beaux Arts, Paris, France.
Delta Kappa Epsilon; Scarab, Illinois Chapter; American Institute of Architects.
Residence, 4758 Lake Park Avenue.

EUGENE EDWARD GILL

Associate Professor of General Chemistry.
Birthplace, Boring, Maryland.
Ph. B., Dickinson College, 1897; Ph. D., Johns Hopkins University, 1909.
Phi Beta Kappa; Member of American Chemical Society.
Research Work on the "Determination of Osmotic Pressure of Cane Sugar Solution."
Residence, 5739 Maryland Avenue.

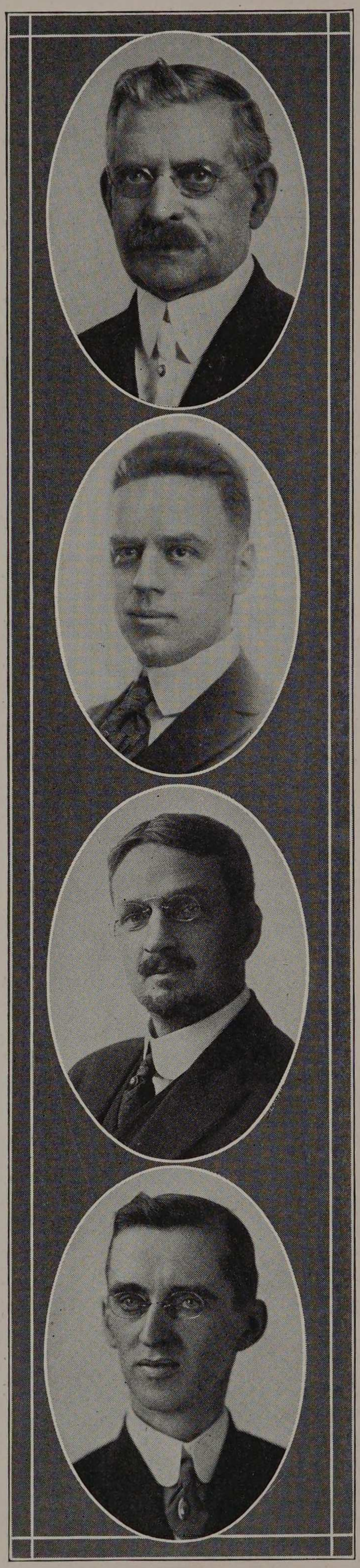
JOHN FREDERICK MANGOLD

Associate Professor of Mechanics.
Birthplace, Waupeton, Iowa.
B. S., Cornell College, 1907; B. E., Iowa State University, 1911; C. E., 1916.
American Society of Civil Engineers.
Residence, 1426 East 63rd Place.

WILLIAM CHARLES KRATHWOHL

Associate Professor of Mathematics.
Birthplace, Buffalo, N. Y.
A. B., Harvard College, 1907; A. M., Columbia, 1910; Ph. D., Chicago University, 1913.
Member American Mathematical Society; Mathematical Association of America; Co-author of Analytic Geometry.
Research Work on Modular Invariants.
Residence, 6107 Woodlawn Avenue.

FACULTY



JOHN SIMPSON REID, SR.

Assistant Professor of Mechanical Drawing and Elementary Machine Drawing.
Birthplace, Kilmarnock, Ayrshire, Scotland.
Irving College, British Government Science and Art Schools, Glasgow, Scotland.
Member of American Society of Mechanical Engineers.
Author of "Mechanical Drawing, Elementary and Advanced," "Drawing and Designing," "Investigations into Drafting Room Conventions in the United States, 1909," "Mechanical Drawing Simplified," "Mechanical Drawing, 1919."
Residence, 6224 Kimbark Avenue.

WILLIAM H. LAUTZ, JR.

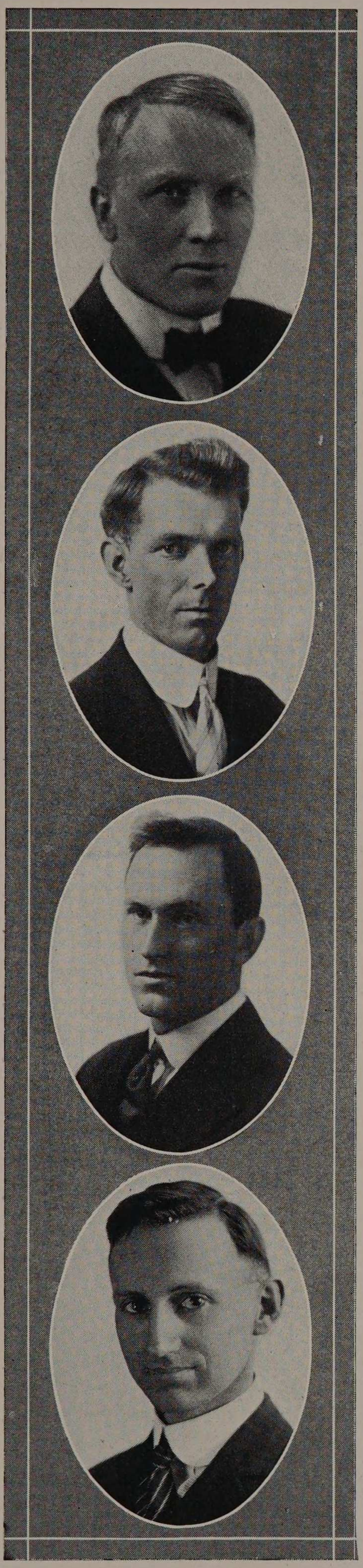
Assistant Professor of Architecture.
Birthplace, Chicago, Illinois.
B. S., Armour Institute of Technology, 1913.
Tau Beta Pi; Sigma Kappa Delta; Scarab.
Residence, 7925 South Green St.

ALBERT H. KREHBIEL

Instructor in Freehand Drawing and Water Color.
Birthplace, Iowa.
Bethel College; Studied at Art Institute and in Paris.
Member of Various Art Societies.
Residence, Park Ridge, Illinois.

CHARLES R. SWINEFORD

Instructor in Kinematic Drawing and Machine Design.
Birthplace, Can Wert, Ohio.
B. S., University of Michigan, 1904-8.
Instructor at University of Michigan, 1907.
Residence, 6037 Kenwood Avenue.



AUGUST C. WILMANNS

Assistant Professor of Agricultural Construction.
Birthplace, Chicago, Illinois.
University of Illinois, 1892.
Illinois Society of Architects.
Residence, 2506 Orchard Street.

HAROLD ROMAINE PHALEN

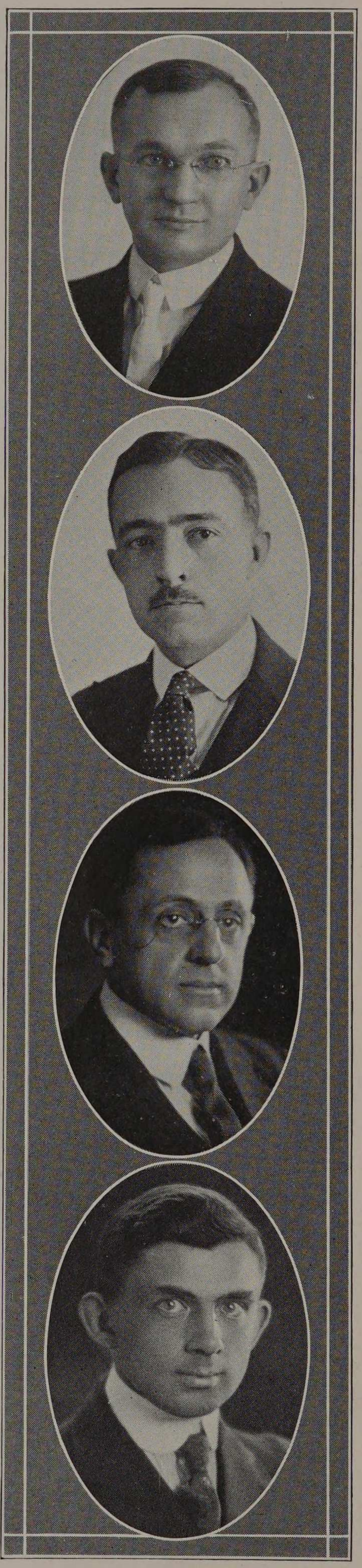
Assistant Professor of Mathematics.
Birthplace, Acton, Massachusetts.
B. S., Tufts College.
Sigma Tau Alpha; Member Mathematical Association of America; Society for the Promotion of Engineering Education.
Residence, 6438 Greenwood Avenue.

CHARLES A. NASH

Assistant Professor of Electrical Engineering.
Birthplace, Elizabeth, Illinois.
B. S., Electrical Engineering, University of Illinois, 1909.
Sigma Xi; Member of American Institute of Electrical Engineers.
Residence, 4715 N. Spaulding Avenue.

WALTER A. REINERT

Assistant Professor of Civil Engineering.
Birthplace, Milwaukee, Wis.
B. S., Civil Engineering, University of Wisconsin.
Residence, 5405 Eggleston Avenue.



WILSON LEE MISER

Associate Professor of Mathematics.
Birthplace, Pea Ridge, Arkansas.
A. B., University of Arkansas, 1908; A. M., Yale University, 1911; Ph. D., University of Chicago, 1913.
Sigma Xi; Member of American Mathematical Society; Mathematical Association of America; American Association for the Advancement of Science; Research Work in Differential Equations.
Residence, 7207 Eberhart Avenue.

OTTO LOUIS ROBINSON

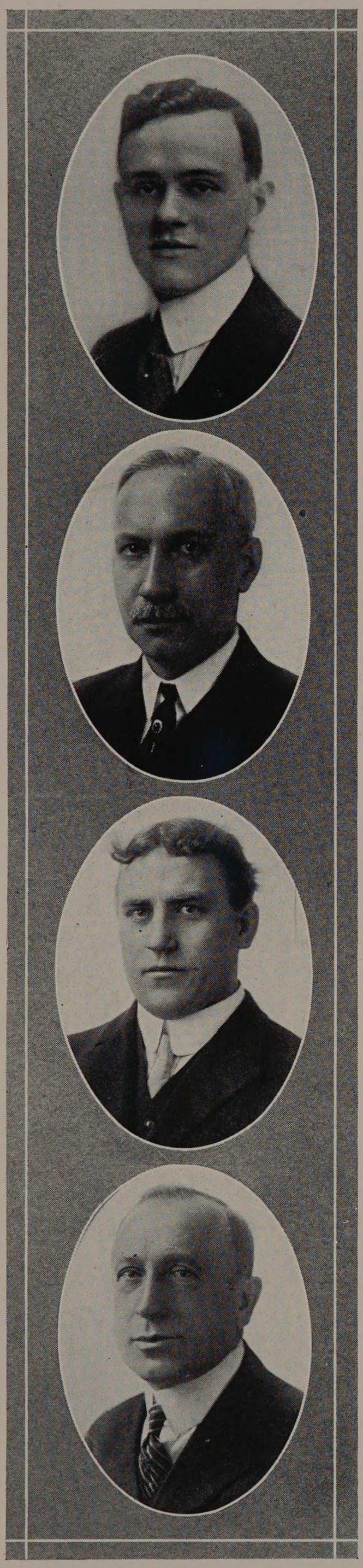
Assistant Professor of Fire Protection Engineering.
Birthplace, New Albany, Indiana.
B. S., Purdue University, 1916.
Achacia.
Residence, 1645 East 67th Street.

ARTHUR HOWE CARPENTER

Assistant Professor of Metallurgy.
Birthplace, Georgetown, Colorado.
Ohio University; Northwestern University; A. M., Ohio University.
Delta Tau Delta; S. A. R.; Member American Institute of Mining and Metallurgical Engineers.
Contributor to Mining and Metallurgical Publications.
Residence, 7002 Merrill Avenue.

ROE LOOMIS STEVENS

Assistant Professor of Civil Engineering.
Birthplace, Vermontville, Michigan.
B. S., Armour Institute of Technology, 1908.
American Society of Civil Engineers.
Residence, 2318 Hartrey Avenue, Evanston, Illinois.



CLINTON EVERETT STRYKER

Assistant Professor of Electrical Engineering.
Birthplace, Chicago, Illinois.
B. S., Armour Institute of Technology, 1917.
Member American Institute of Electrical Engineers.
Omega Lambda; Eta Kappa Nu.
Residence, 448 Glencoe Avenue, Highland Park, Illinois.

EDWARD DIEHL AGLE

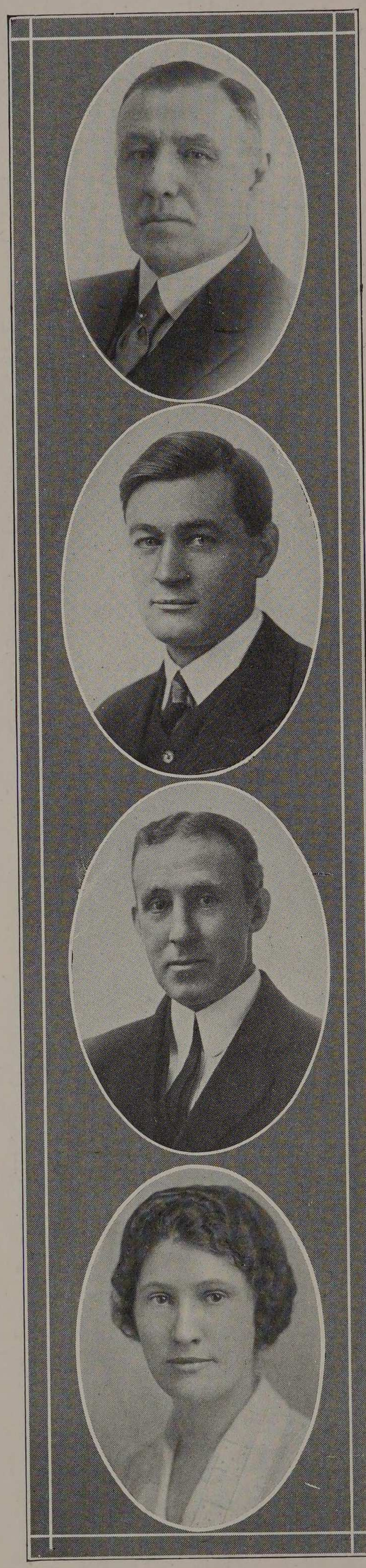
Superintendent of Shops, and Instructor in Machine Tool Work.
Birthplace, Greencastle, Pa.
Residence, 4228 Oakenwald Avenue.

NELS PETER PETERSON

Instructor in Woodworking.
Birthplace, Hoganas, Sweden.
Residence, 1534 North Leavitt Street.

CHARLES HENRY FORNHOF

Instructor in Machine Tool Work.
Birthplace, Chicago, Illinois.
Residence, 1255 Thorndale Avenue.



CHARLES L. LARSEN

Instructor in Founding.
Birthplace, Chicago, Illinois.
Residence, 1101 North Richmond Street.

JOHN J. SCHOMMER

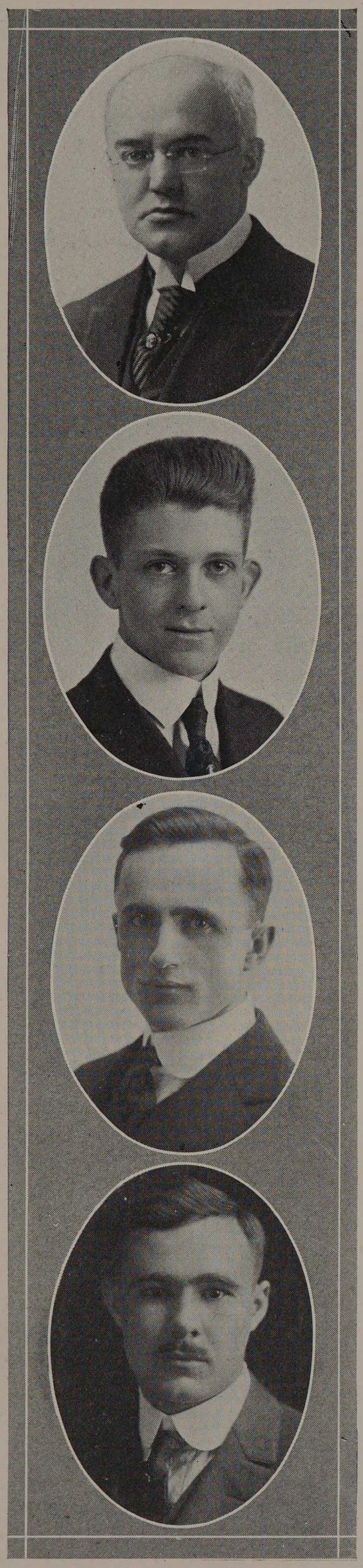
Instructor in Industrial Chemistry.
Birthplace, Chicago, Illinois.
B. S., University of Chicago, 1909; Armour Institute of Techonology, 1912; Ch. E., Armour Institute of Technology, 1920.
Phi Kappa Sigma; Owl and Serpent; University Marshal; Member American Chemical Society; American Association for the Advancement of Science; American Society for Testing Materials.
One year of Research Work in Bacteriology, Yeast and Moulds, 1910.
Residence, 564 Roscoe Street.

JOSEPH PATRICK KENNEDY

Instructor in Forging.
Birthplace, Chicago, Illinois.
Residence, 5621 South Loomis Street.

NELL STEELE

Librarian.
Birthplace, Lake Forest, Illinois.
Lake Forest College.
American Library Association.
Special Library Association.
Residence, Lake Forest, Illinois.



EMIL ROBERT ZETTLER

Instructor in Architectural Sculpture.
Birthplace, Karlsruhe, Germany.
The Art Institute of Chicago; National Academy of Fine Arts, Berlin; Julian Academy, Paris.
Honors: Honorable Mention, American Artists' Exhibition, Art Institute, 1913; Medal, Chicago Society of Artists, 1915; Bronze Medal, Panama-Pacific Exposition, 1915; Gold Medal, Potter Palmer Prize, A. I. of C., 1016; Medal, Mr. and Mrs. Frank G. Logan, A. I. of C., 1917.
Represented: Art Collection of the City of Chicago, "French Boy."
Sculptor Member of the Art Commission of the City of Chicago.
Residence, 4 East Ohio Street.

LYNN EUGENE DAVIES

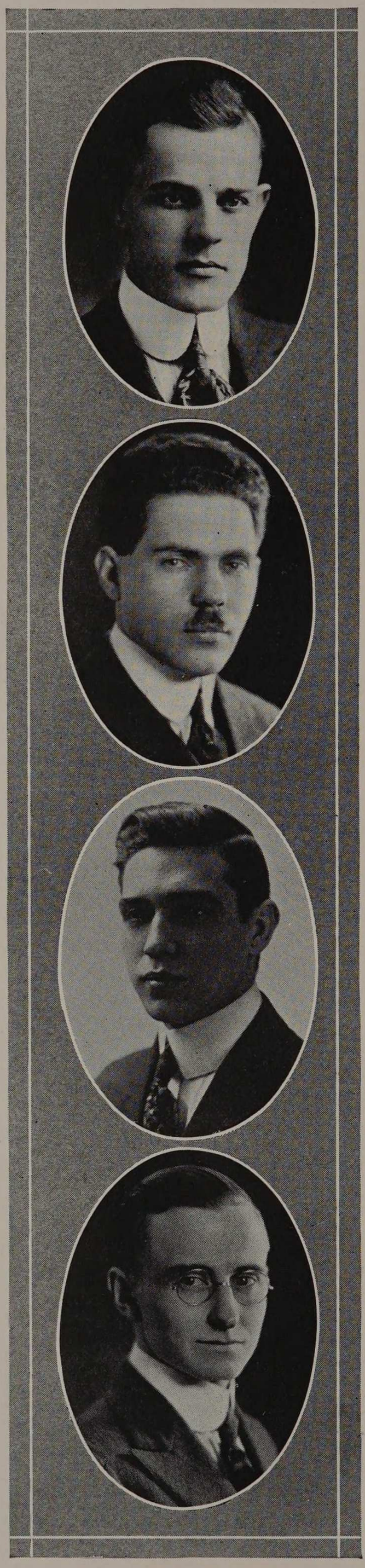
Instructor in Experimental Engineering.
Birthplace, Milwaukee, Wisconsin.
B. S., Armour Institute of Technology, 1919.
American Society of Mechanical Engineers.
Residence, 504 East 74th Street.

STANTON EDWIN WINSTON

Assistant Professor in Descriptive Geometry and Kinematics.
Birthplace, St. Johns, Michigan.
Colorado School of Mines; A. B., University of Denver, 1913.
Residence, 6556 Ellis Avenue.

W. FRANK McCAUGHEY, JR.

Instructor in Architectural Design.
Birthplace, Lynchburg, Virginia.
B. S., Carnegie Institute of Technology, 1916.
Instructor in Architectural Design, University of Illinois, 1916-20.



WILL WHITE COLVERT

Instructor in Physics.
Birthplace, Alexandria, Tennessee.
A. B., Cumberland University, 1917; A. M., 1919.
Member of the American Association for the Advancement of Science.
Residence, 5908 Indiana Avenue.

NATHAN LESSER

Instructor in Descriptive Geometry and Machine Design.
Birthplace, Omaha, Nebraska.
B. S., University of California.
Member Western Society of Engineers.
Residence, 4403 LaCrosse Avenue.

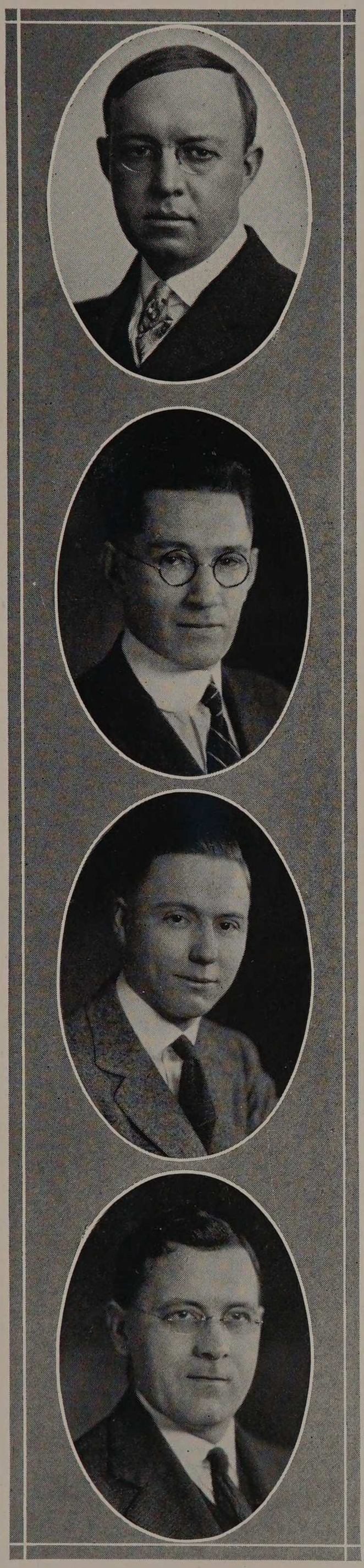
WALTER J. BENTLEY

Instructor in General Chemistry.
Birthplace, Chicago, Illinois.
B. S., Armour Institute of Technology, 1920.
Phi Lambda Upsilon; Member of American Chemical Society.
Residence, 1349 Winnemac Avenue.

HAROLD S. WHITE

Instructor in Gas Engineering.
Birthplace, Denver, Colorado.
B. S. in M. E., Armour Iinstitute of Technology, 1917.
Sigma Chi; Tau Beta Pi.
Residence, 427 Oakwood Boulevard.

FACULTY



THOMAS EDDY TALLMADGE

Lecturer on History of Architecture.
Birthplace, Washington, D. C.
B. S., Massachusetts Institute of Technology, 1898.
Phi Beta Upsilon; Member Illinois Chapter of American Institute of Architects.
Winner of Traveling Scholarship, Chicago Architectural Club, 1904.
Residence, University Club, Evanston, Ill.

R. J. FOSTER

Instructor in Descriptive Geometry.
B. S. in Mechanical Engineering, University of Nebraska.
Residence, 6121 Greenwood Avenue.

RAYMOND S. NELSON

Instructor in Actuarial Science.
B. S., Northwestern University.

HENRY JAMES KESNER

Associate Professor in Civil Engineering.
Birthplace, Ontario, Canada.
B. A., University of Colorado, 1905.
B. S. (C. E.) 1907
C. E., University of Colorado, 1911.
Beta Theta Pi; Phi Beta Kappa; Sigma Xi; Tau Beta Pi; Theta Tau.
Associate Member American Society Civil Engineers.
Member American Association of University Professors; Society for the Promotion of Engineering Education.
Instructor in Civil Engineering, University of Minnesota.
Associate Professor in Civil Engineering, University of California; Purdue University.
Residence, 1435 East 60th Street.



WALLACE BRUCE AMSBARY

Lecturer in General Literature.

Vice-President, International Lyceum and Chautauqua Association.

Author of "The Ballads of Bourbonnais," "The Romance and Poetry of the Northland."

Contributor to numerous magazines.

Honorary Member Chicago Kiwanis Club; Press Club of Chicago; Society of Midland Authors; Writers' Guild of Chicago.

ELMER A. CLAAR, A. B., LL. B.

Instructor in English.


Freshman
Class
Sophmore
Junior
Senior

EDUCATION

Strong and fearless, thy determination,
Most noble in thy work.
Thy gentle arms have stretched among us
To find the genius in thy search.

Happiness is thy contentment
When thy many youths have helped
In teaching the value of knowledge,
In enjoying the life of one's self.

Thou hast opened the book to me only
In the hope that I understand.
I see that the lines are so written
In thy effort to make me a man.

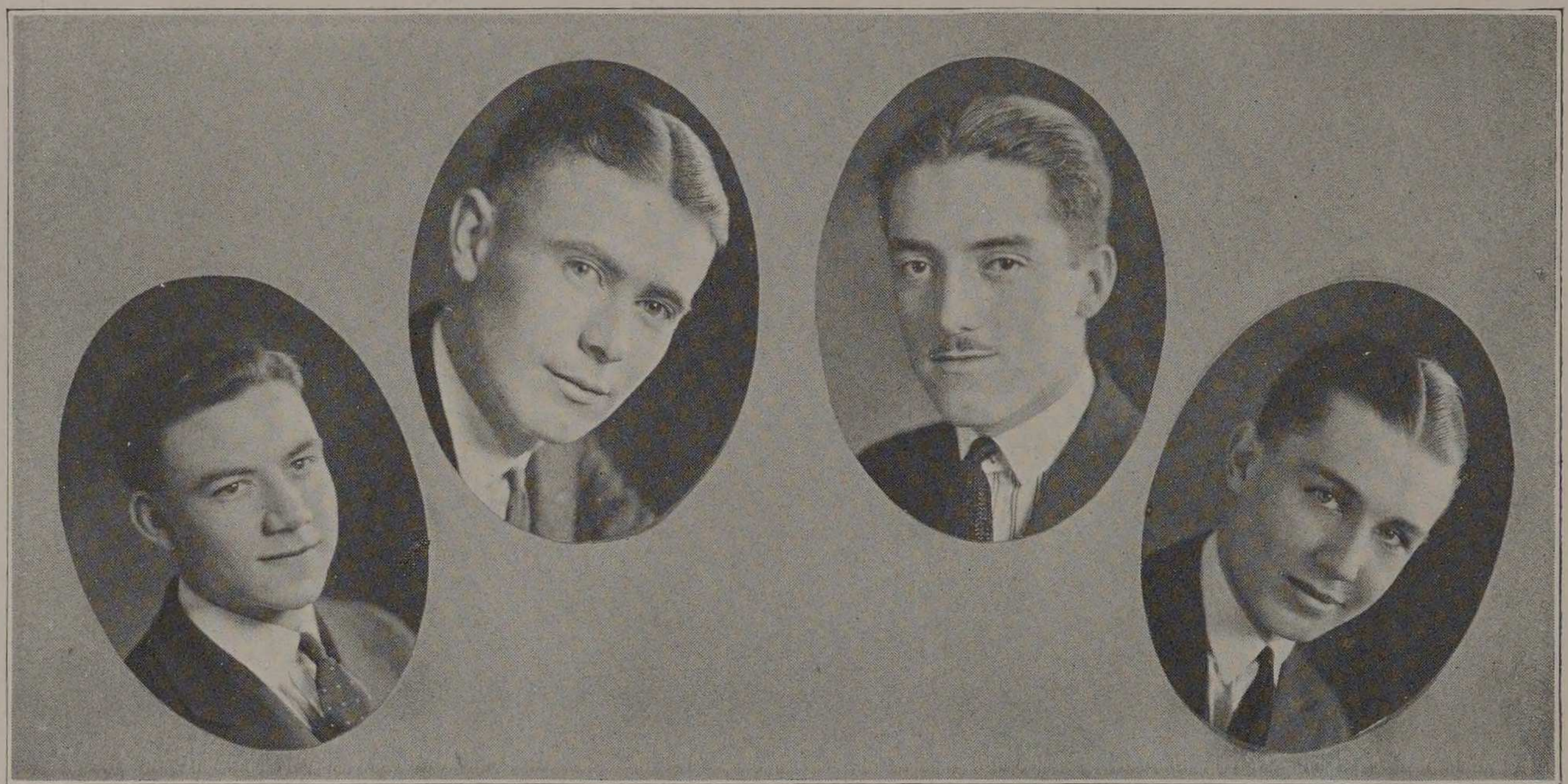
In there I have read of others,
Who have listened to thy appeal,
And have thee as guide to greatness
For their purpose in life to seal.

They have been all successful
For their faith in thee was strong.
I hope I will be as successful
And for their friendship do I long.

Dedicated to my Alma Mater—WALTER PAQUE, *Class* 1922.



SERMONS



Officers of the Class of 1922

JOHN WARREN McCAFFREY..... President

EDWARD A. GOODNOW.....Vice-President

CLARENCE A. HERBST.....Secretary

PAUL J. RUPPRECHT.....Treasurer

ROBERT P. BURNS.....Cycle Representative

GORDON A. GILBERTSON.....Athletic Representative

SENIOR CLASS COMMITTEES

PROGRAM COMMITTEE

EDWIN G. WALKER—Chairman

DANA ROYCE HYDE
EARL R. EWIN
LEONARD HOLMES
MORRIS SUGARMAN

CAP AND GOWN COMMITTEEE

GILBERT V. BRADBURY—Chairman

WILLARD ERICKSON
HENRY AUERBACH
FRANK WITTENMEIER
EUGENE B. MUESER

PIN AND RING COMMITTEE

PARKER J. MONTAGUE—Chairman

NELS H. ERLANDSON
DAVID S. JENNINGS
BENJAMIN F. MORRISON
EARL RIEGER

PICTURE COMMITTEE

GEORGE D. WETHERBEE—Chairman

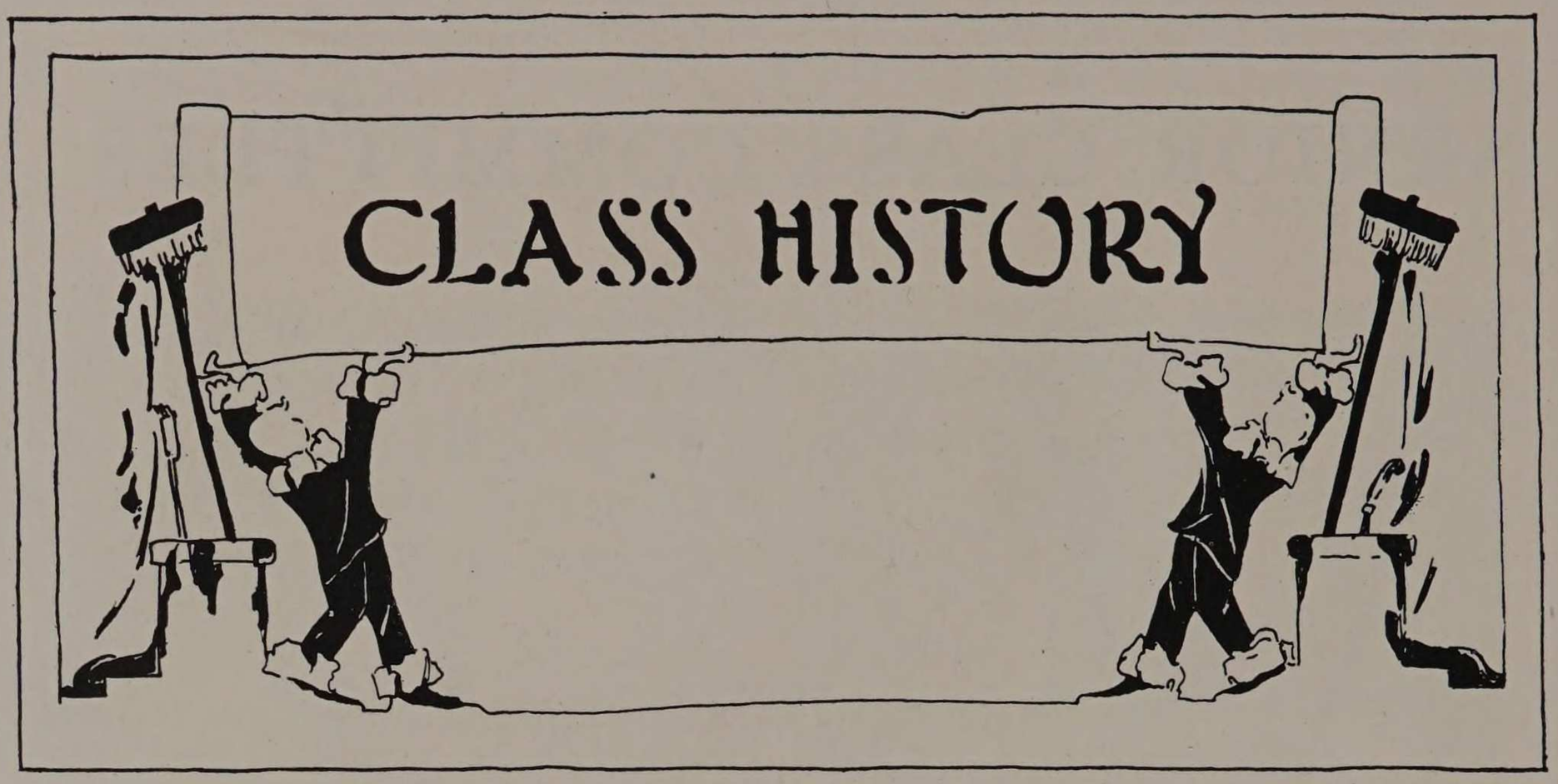
HENRY W. HERBST
ROBERT R. MAGUIRE
WILLIAM DALRYMPLE
WALTER TROWBRIDGE

AUXILIARY COMMITTEE

ELMER F. DHUS—Chairman

GEORGE LOCHOW
HENNING SWENSON

Committee to handle miscellaneous affairs and to help other committees when their help would be beneficial.



History of the Class of 1922

It was on Sept. 9, 1918, when the upper classmen saw about two hundred newcomers wandering through the halls of the Institute acquainting themselves with the learned atmosphere, which the word "college" always interprets to the mind of the freshman. We were attending college. Little did we know of our classmates before the annual Freshman handshake which took place at the Hyde Park Y. M. C. A. That was the first taste of college life.

This step of our career was interrupted by the inauguration of the Students' Army Training Corps. The class enrollment climbed, due to those wanting to attend school and enter service at the same time. Although lasting only a short time over two months, the days of the S. A. T. C. are stamped in our minds never to be forgotten.

Immediately after discharge, classes were resumed, social organizations reorganized, and finally on Dec. 19, 1918, the class of 1922 experienced its first class meeting. Edwin G. Walker was elected as president. In spite of the handicap of several months tardiness, the class succeeded in making its presence known socially as well as athletically to the upper classmen. The freshman dance at the Hotel La Salle was an unusual success.

As brilliant sophomores, most of the original freshman class returned in September, 1919, to resume work under the old standard. It wasn't very long before we had the physics and calculus harnessed—in fact new theories were occasionally being proposed. The student body looked forward to the Sopho-

more Dance on January 9, again at the Hotel La Salle. A large attendance indicated the nature of the affair. Although we didn't win the title, we gave the Juniors a good fight in the interclass basketball tournament. Being good losers of the second place, we placed this on the list for some future date. One good dance wasn't enough, so on April 23, 1920, the sophomores again presented a dance of distinguished style.

The Junior year is the time when the real ability of a class is displayed. The beginning of the first semester was occupied by the class organization and the planning of future events. The dance in December was the first event of the season. It seemed that our duties became more intense as we progressed, but the end of the year was a real rally scholastically. The class was well represented on the Varsity teams, and oh, what a Circus Day. Getting back to the old times is the achievement of the class of '22. Among other new features, the sack rush was king. We can be well proud of the publication of the Cycle under the direction of J. Warren McCaffrey. The school year in general was a most successful one.

SENIORS

The author hesitates a moment before writing the history of our last year at school. The word itself brings a vision of the world, a year in advance, whether complete or not so.

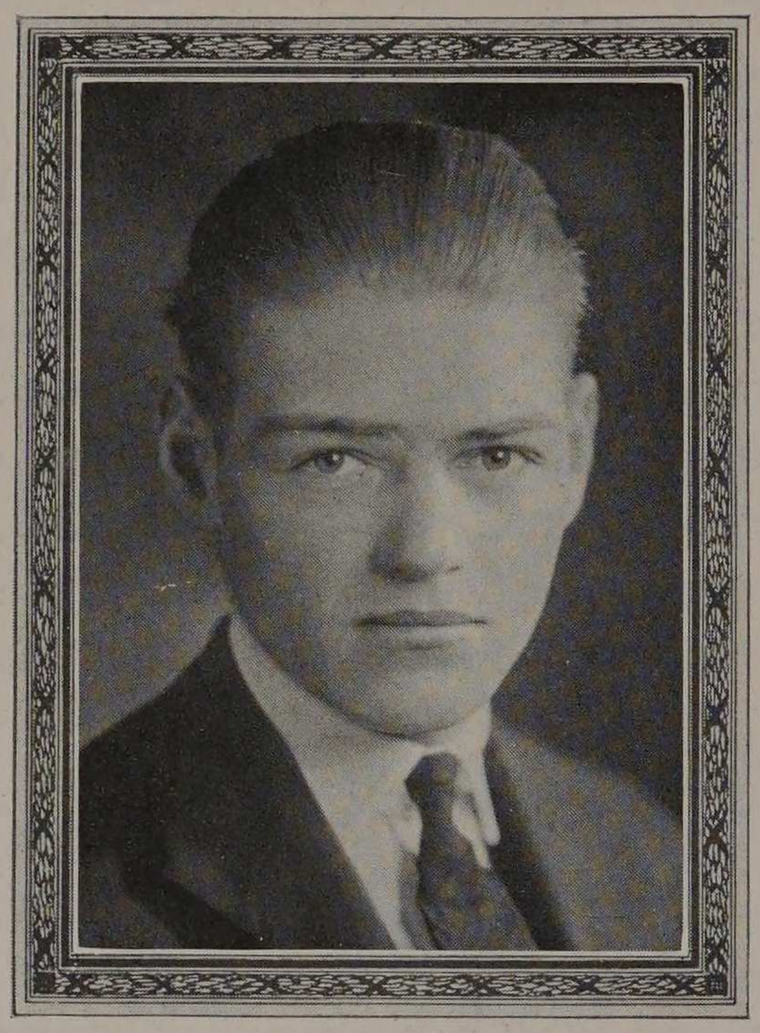
It was a year of events, some never to be forgotten. No greater disappointment could have been brought than the announcement of Dean Monin's necessity of leaving the Institute for the remainder of the year because of ill health. The class extends a wish for complete recovery and will look forward to the time when we may greet him at the Institute again.

Before the close of the first semester, the senior class suffered its first bereavement in the death of Wendell M. Baker. Surely his good nature and ever ready smiles brand his name in the hearts of the members of '22 never to be forgotten.

The remainder of the senior year was of a somewhat different nature, not the routine of problems, nor the completeness of a physics experiment, but as the semester came to a close, thoughts were centered on the future career—some not at all known, while others will step out of school prepared to assume other duties. Whatever the course may be, the class of 1922 will maintain the high standard of thoroughness which characterizes the work of those who have gone before.

We extend to the Acting President, Deans and Faculty a hearty word of thanks for their untiring assistance during the past four years.

B. S. IN M. E.



WOODBRIDGE W. BISSELL

Born June 13, 1899.
New Trier High School.
Delta Tau Delta.
A. S. M. E.

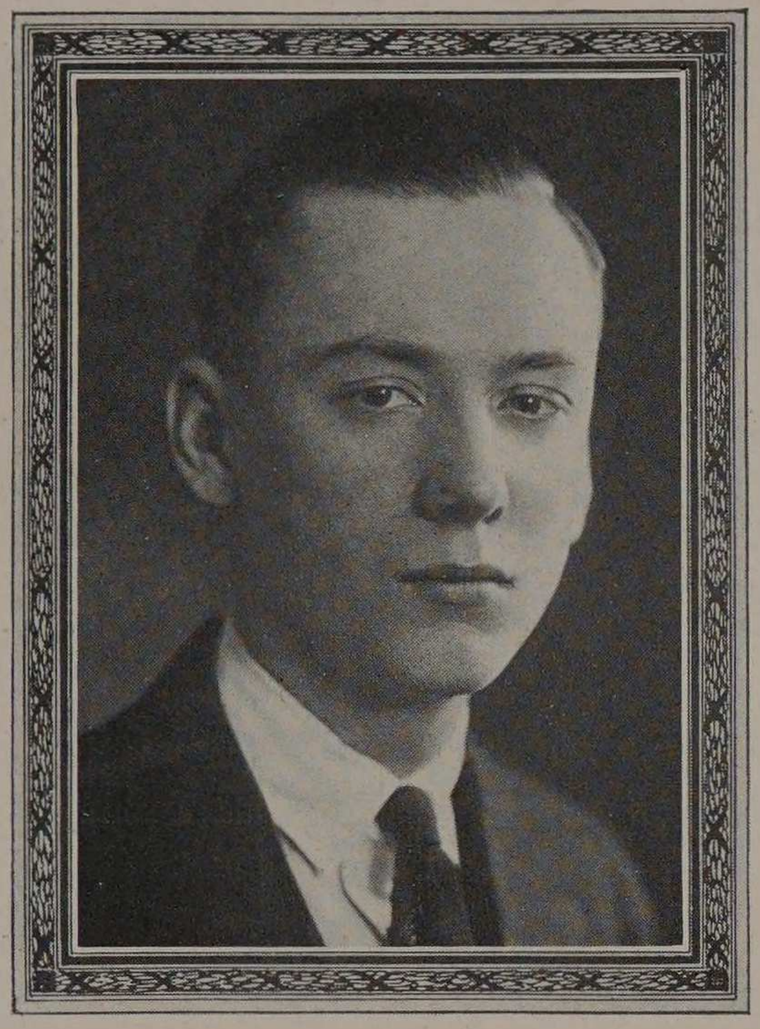
The proprietor and chief engineer of the Bissell Bus Line, Inc. Besides being a transportation engineer of the first rank, Woodbridge is a photographer of considerable fame, as can be seen by his power plant photographs, or if further evidence be needed he will produce his nucso-photographs. "Woody" can always see the bright side of life, whether it be the matter of getting some Hydraulics problems in, or staying up all night over the drawing board to finish a plate. We are sure that this perseverance, determination and good humor, will help him to advance in whatever work he may follow.

GILBERT V. BRADBURY

Born October 29, 1895.
Manual Training High School, Kansas City, Missouri.
Delta Tau Delta; Tau Beta Pi; A. S. M. E.
President Tau Beta Pi, '22; President A. S. M. E., '22.
Chairman, Cap and Gown Committee.

Old Einstein himself. When Brad gets his fingers firmly embedded in his hair and a pipe in his mouth no mere problem of higher mathematics or relativity can stand a ghost of a show. Bradbury's rise to fame and leadership among his classmates has been phenomenal because he returned to school in 1920 from the Army, a stranger, and in the short space of a year has become one of our prize satellites.





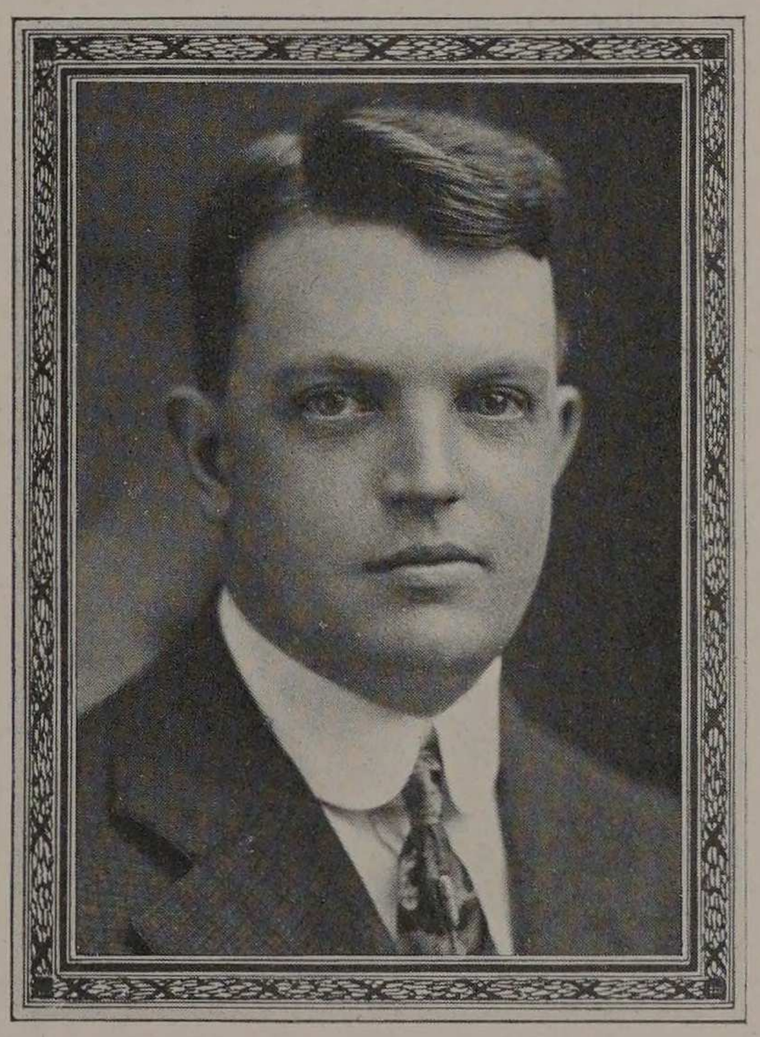
FRANK JAMES BURSIK

Chicago, June 15, 1901.
Mechanical Engineering.
Harrison Tech High.
A. S. M. E.

Frank is generally conceded to be our greatest authority and expert on practical trigonometry which in slang is called billiards. During his senior year his style was greatly cramped due to the extremely inconvenient location of the senior drafting room. However, we have reliable information that Frank is working out a design for a combination billiard table and drawing board.

F. A. CHAMBERS

Mechanical Engineering.
Attended St. Ignatius College.
Graduated Armour Academy, 1903.
Has been in City Smoke Inspector's office since 1907. Now chief Smoke Inspector of Chicago.





WILLIAM JOSEPH CHAPIN

Chicago.
Mechanical Engineering.
Miami Military Institute.
Theta Xi; Sphinx.
A. S. M. E.
Business Manager 1919 Cycle.
Class Secretary, 1918.
Interclass Basketball and Baseball, 1917-18.

Alias—"Dutch," "Bill." "Dutch" is one of the older and more experienced men in the class. He entered Armour in 1916, but two years of traveling in the oil fields of Texas has delayed his graduation.

JEFF CORYDON, JR.

Born in Chicago, November 21, 1900.
Mechanical Engineering.
Crane Tech.
Sigma Kappa Delta; Sphinx.
Business Manager, Armour Engineer, 1921 to 1922.
Secretary and Treasurer Sphinx, '21 and '22
A. S. M. E., 1920-21-22.
Glee Club, 1920-21-22.
Secretary "Tech" Musical Clubs, '21 to '22.
Business Manager The Cycle, 1920-21.
Interfraternity Track, 1921-22.
President Junior A. S. M. E., 1919-20.
Interclass Basketball, 1918-19.
Class Secretary, 1918-19.

Smiling Jeff has had a finger or two in every pie at Armour. As business manager of both The Cycle and The Engineer he has given the natives a scintillating demonstration of the intricate methods of high finance. Jeff is just naturally a glutton for work, if it is not of the school variety.

A radiant smile and unselfish good-fellowship have combined to make Jeff's friends at school limited only by the total registration.





SAMUEL EISENSTEIN

Born January 1, 1900, New York, N. Y.
Carter H. Harrison Technical High School.
Mechanical Engineering.
Rho Delta Rho; A. S. M. E.
Basketball, 1918, '22.

Here we have the senior member of the Eisenstein-Sugarman Co. Most any time of the day he can be heard in consultation with his partner, which generally ends, "Come on, Maurie, let's go." He used to wield a mighty blue pencil over the calculus papers, which was the terror of the Sophs, but of late his pet diversion has been feeding oil to some hot bearing in the oil testing lab.

WILLARD E. ERICKSON

Chicago, February 4, 1901.
Mechanical Engineering.
J. H. Bowen High School.
Tau Beta Pi. A. S. M. E.

Willard's phenomenal record as a student runs a poor second to his popularity among his fellow men. When Eric licks the world in as complete and masterful a fashion as he has the Mechanical course at Armour, he will surely be a general of industry.





ELIAS GEORGEVICK

Mechanical Engineering.
Belgrade, Serbia, 1897.
Lane Technical High School.
A. S. M. E.

Elias is one of those quiet, steady fellows who tackles his work in an earnest and efficient manner. His pleasing personality and willingness to serve his fellow classmates has gained for him a host of friends. Elias' hobby is "swearing off" smoking, which he does regularly every day.

BORIS S. HERMAN

Russia, October 2, 1895.
Mechanical Engineering.
Lane Tech. High School.
Crane Junior College.
A. S. M. E.

Herman is another one of our "regular" fellows and, although he does not tell the world about it, whenever he has occasion to return to his domicile he invariably has a box or two of Swift's Premium or Armour's Veribest stowed away in his brief case.





DAVID S. JENNINGS

Chicago, May 1, 1900.
Mechanical Engineering.
Hyde Park High School.
Tau Beta Pi; Sigma Kappa Delta.
Secretary A. S. M. E., 1921-22.
Vice-President Tau Beta Pi, 1922.
Shifters' Society.
Y. M. C. A.

If the success of an engineer depends upon his ability to solve difficult problems without an apparent brain-storm, then Dave Jennings surely will be a success in the profession. Of the Mark Twain type, and possessing that quality of originality in everything he says or does, he has never failed to impress us with his keen judgment and forceful personality. His witty remarks were numerous, but the one most common around the Institute was "Answer for me will ya."

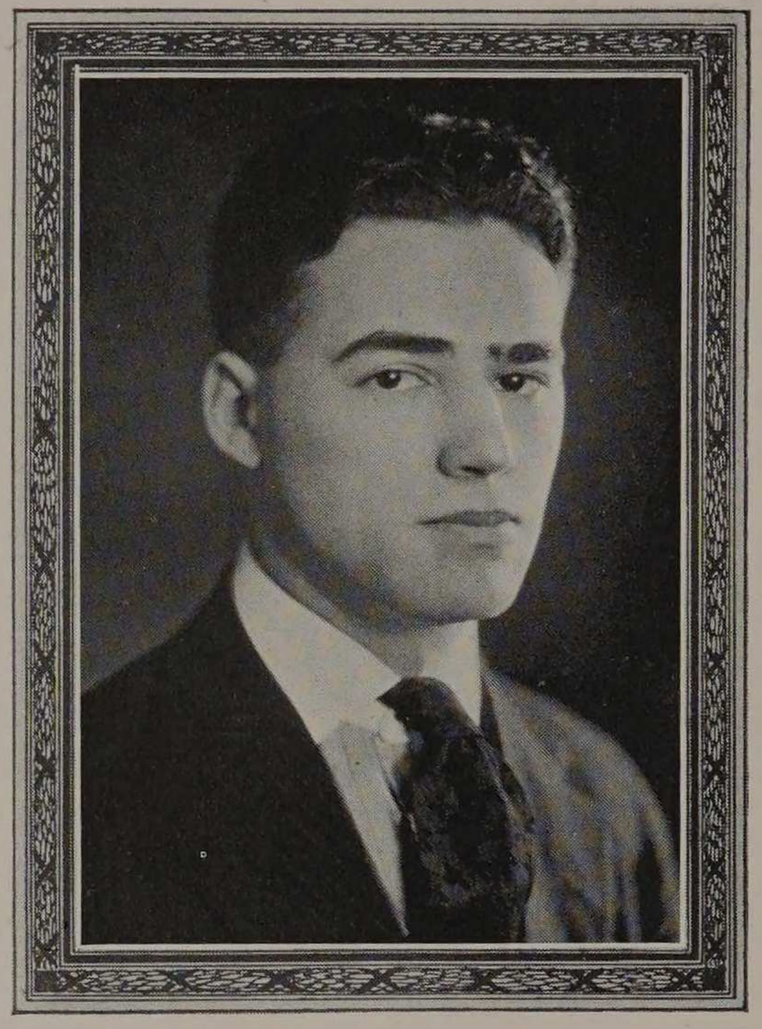
ADOLPH KUELLMAR

St. Paul, Minnesota, April 7, 1901.
Mechanical Engineering.
Lane Tech. High, '18.
AA Degree from Lewis Institute, 1920.

The innocent stare from Kuellmar's baby blue eyes is only camouflage for that which lurks within. He is a conscientious and thorough worker and can always be depended on to produce the correct results at the appointed time.

Kuellmar is the sort of man that one is proud to have for a friend, and there is no doubt that he will win for himself an enviable position in the engineering world.





WILLIAM S. LIPSKY

Chicago, April 26, 1898.
Mechanical Engineering.
Robert A. Waller High School.
A. S. M. E.
Radio Club.
S. A. T. C.

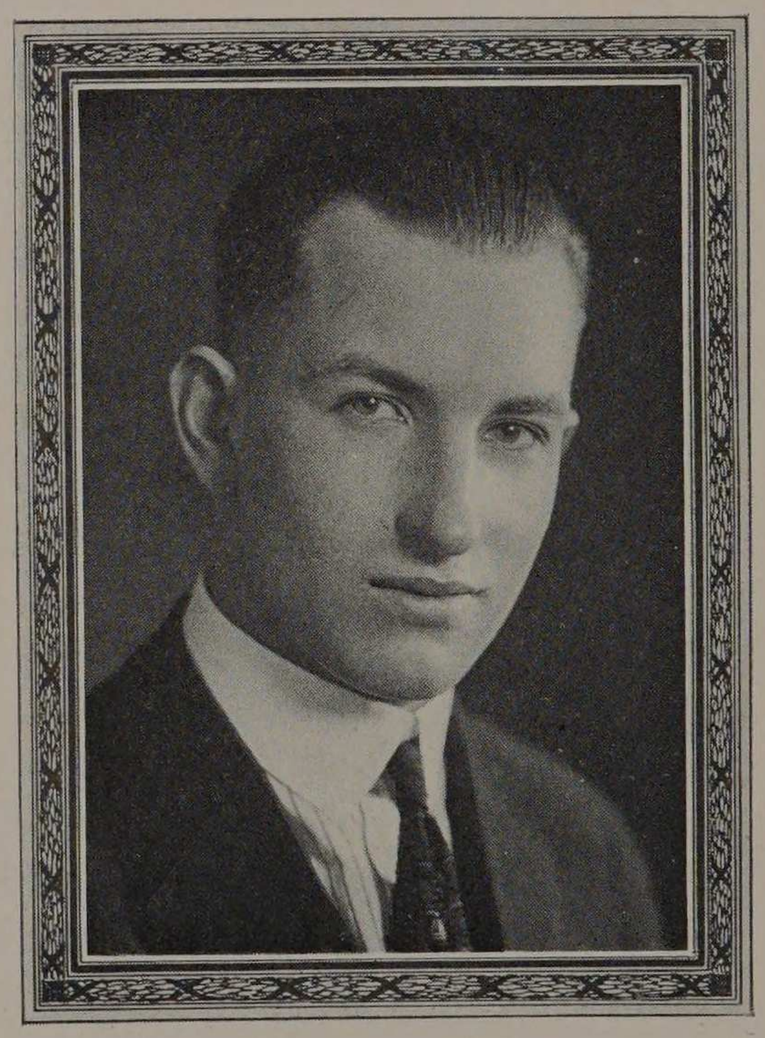
Lipsky is one of our old-timers who, after having worked for a year and one-half, has done our class the honor of becoming a member. He is brim full of the pep and punch that will enable him to make a success of whatever he may choose to undertake.

MAXWELL F. MAY

Chicago, March 12, 1900.
Mechanical Engineering.
Englewood High School.
Beta Phi.
Basketball two years.
"A" Society.
A. S. M. E.

Max is our giant and star basketball player. When he starts down the floor after the ball he checks up very nicely with the definition of an irresistible force. Max's otherwise happy school life is marred by the fact that he lives in constant fear af a severe drubbing from Petey Broad.

Max is blessed with a sunny disposition which together with his prowess as an athlete have won for him a host of friends and admirers.





FRANK NURCZYK

Maistkowo, Lomza, Poland, Jan. 28, 1888.
Business College at Lomza.
Came to America in 1914.

Is a member of International Typographical Union, Local No. 16 of Chicago. He has worked as a linotype operator since 1916 for the Polish Roman Catholic Union of America. He is married; two healthy, lovely boys have been born to him while at Armour. He is also a member A. S. M. E.

MARVIN ROY OLSEN

Chicago, May 9, 1899.
Mechanical Engineering.
Austin High School.
Beta Phi.
Freshman and Senior Basketball.
Vice-President A. S. M. E.
Social Committee '22.

Marv's chief failing is his inability to keep his various courses separated. In the drafting-room where he should be dealing with superheated steam he constantly injects refrigeration by his steady absorption of Eskimo Pies.

If personality coupled with brains and hard work spell success, then Marv will have no difficulty in attaining the last rung of the well known ladder.

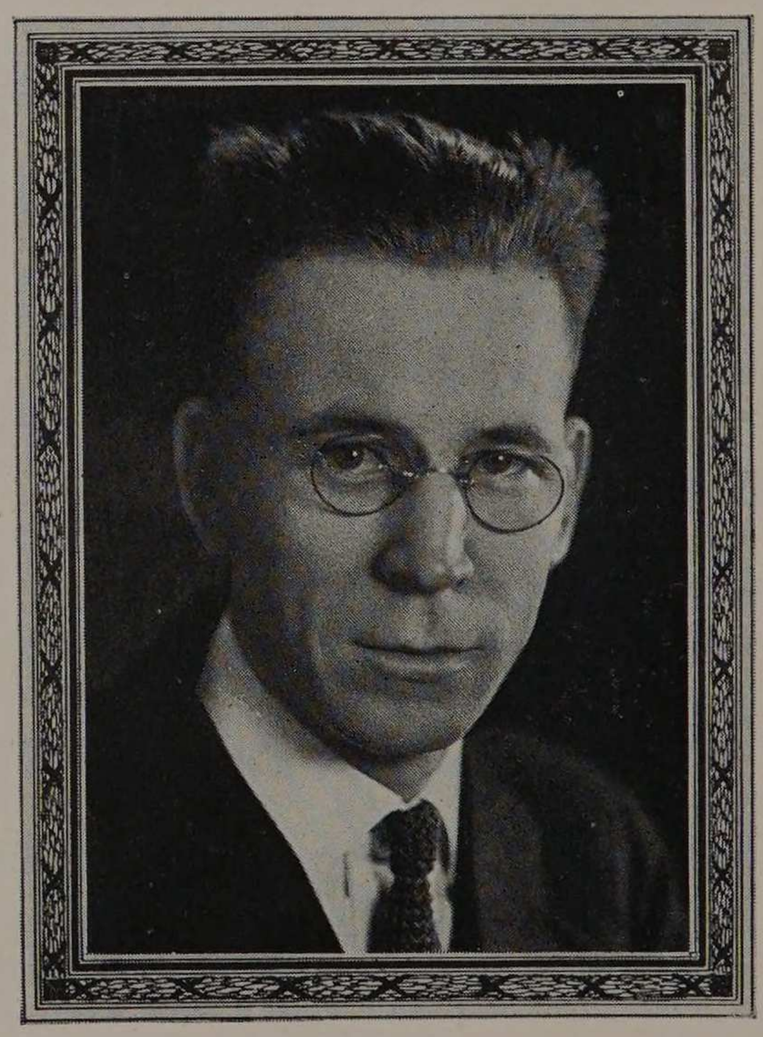




WALTER WILLIAM PAQUE

Peoria, Illinois, August 28, 1898.
Mechanical Engineering.
Lane Tech. and Lake View High Schools.
Northwestern University.
A. S. M. E.; A. A. E.

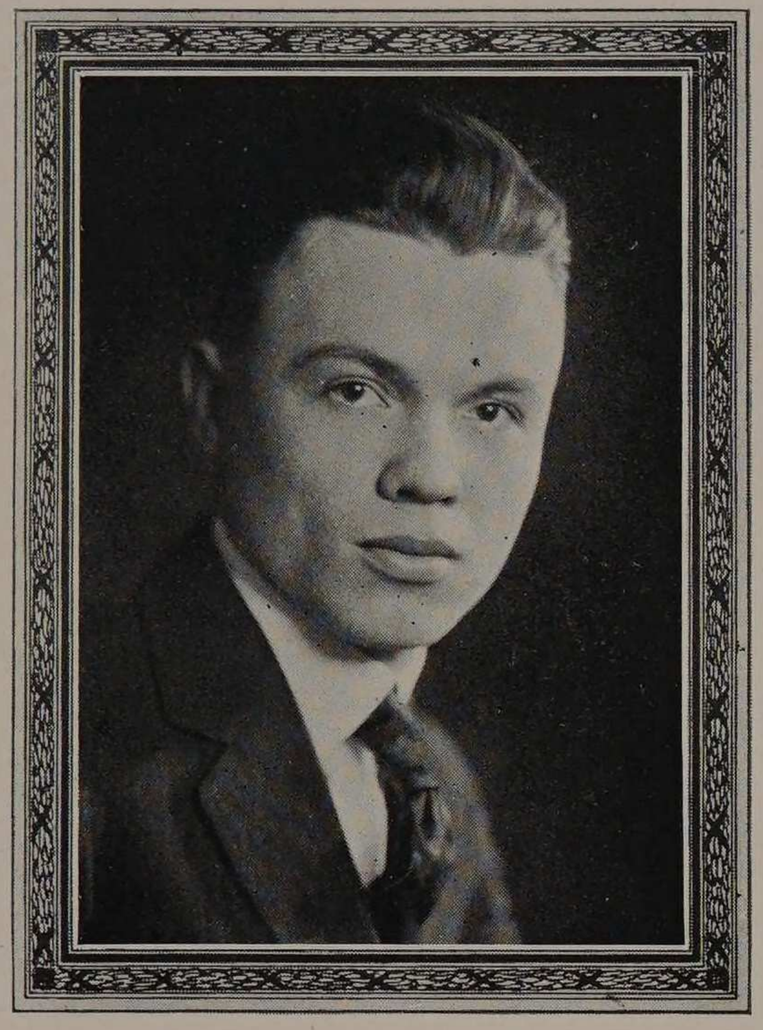
Between getting the Profs to pronounce his name with the proper French accent and getting down in time for his 8:30 class, Walter has had a busy time. But not so busy as to keep him from making the friendship of the whole class.



P. A. REHNQUIST

Chicago, December 28, 1887.
Mechanical Engineering.
Fairmont High School, Fairmont, Minn.
Tau Beta Pi.

Rehnquist strongly denies that his initials stand for the Prince Albert tobacco he stokes into that ferocious looking pipe of his. He is one of our older and more serious members, having been absent from school for six years. P. A. has made an enviable scholastic record and stands high in the regard of his many friends at Armour.



LEO LESTER REIHMER

1829 South 48th Court, Cicero, Illinois.
Born November 16, 1897.
Lane Technical High School, 1914.
Humor Editor, Cycle, 1922; Secretary, Junior A. S. M. E., 1921.
Sigma Kappa Delta; Tau Beta Pi.

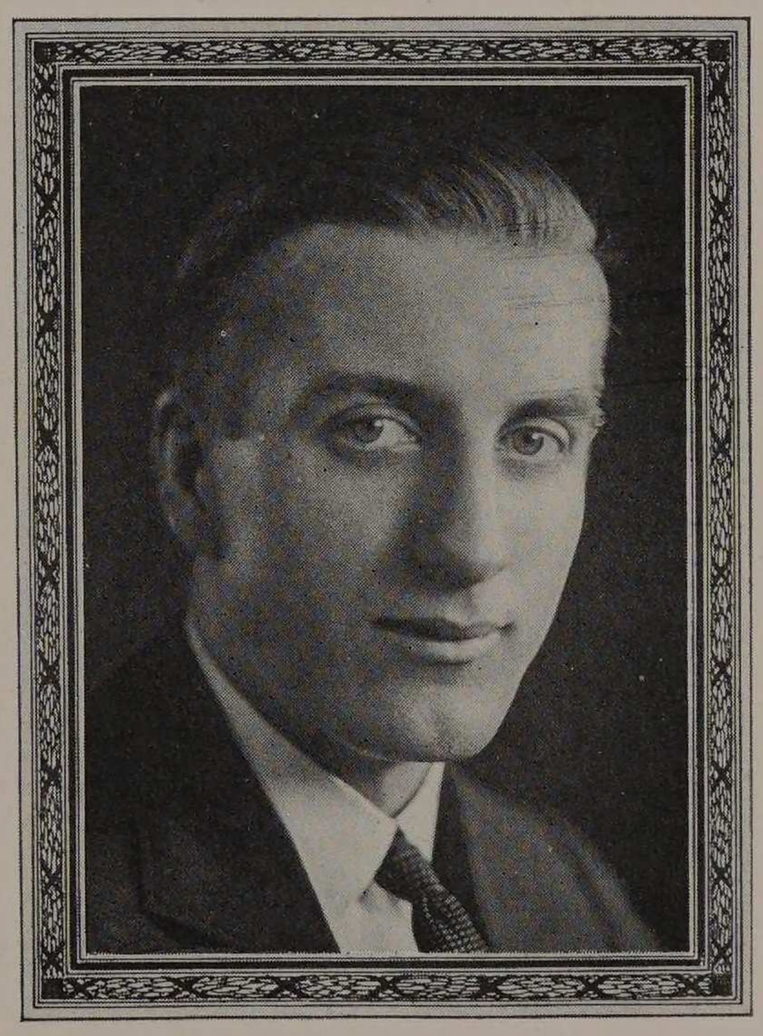
By his high-pressure methods and inherent ability "Glory" has managed to complete the regular four-year course in three years. This accomplishment is further enhanced by his unusually high average. In spite of being humor editor of The Cycle, he actually does possess a keen wit. If Reihmer ever actually expects to become a successful engineer, he must abandon his corncob pipe for the more fashionable kind as used by engineers in the "movies."

EARL C. RIEGER

Chicago, May 8, 1899.
Mechanical Engineering.
Lane Tech. High.
Tau Beta Pi; Cor. Sec'y, Tau Beta Pi, 1922.
Interclass Basketball, 1920-21-22.
A. S. M. E., 1920-21-22.
Orchestra, 1922.

One would think that Earl was one of those quiet sort of fellows until he obtains a hammer or two and begins to mete out punishment to his xylophone. When not engaged in manufacturing music of the highest order he can be found at almost any hour of the night or day in the gas lab, teaching the motors to stand up on their crankshafts and beg for gasoline.

Rieger is a true blue gentleman, the kind that Armour is proud to graduate.





MARK A. RUMELY

LaPorte, Indiana, December 5, 1895,
Mechanical Engineering.
Sycamore, Illinois, High School, 1914.
A. S. M. E.

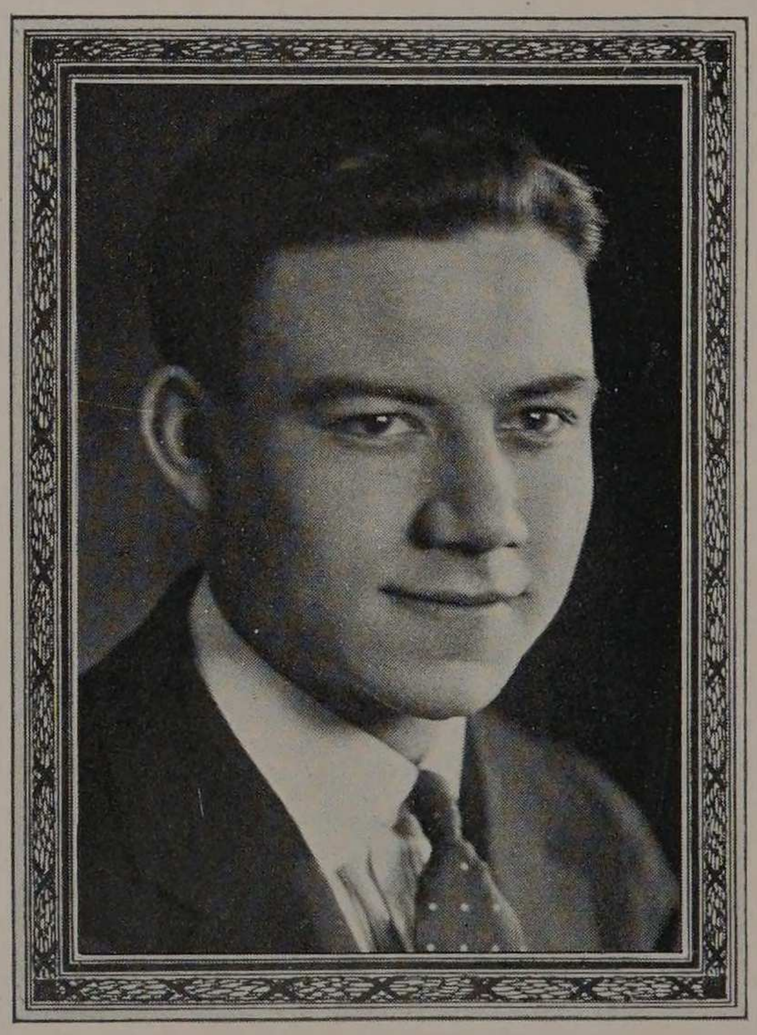
Mark is the chap who has the personality with a big P, to say nothing of a beautiful Marcel wave, and last but not least the cutest and best trained little mustache in captivity. How in the world one man could ever absorb the immense quantity of "Thermo" that he devours is beyond all ken. There is a rumor afloat that he sleeps with the book under his pillow. In spite of all of this Mark is one of the best liked men in the class.

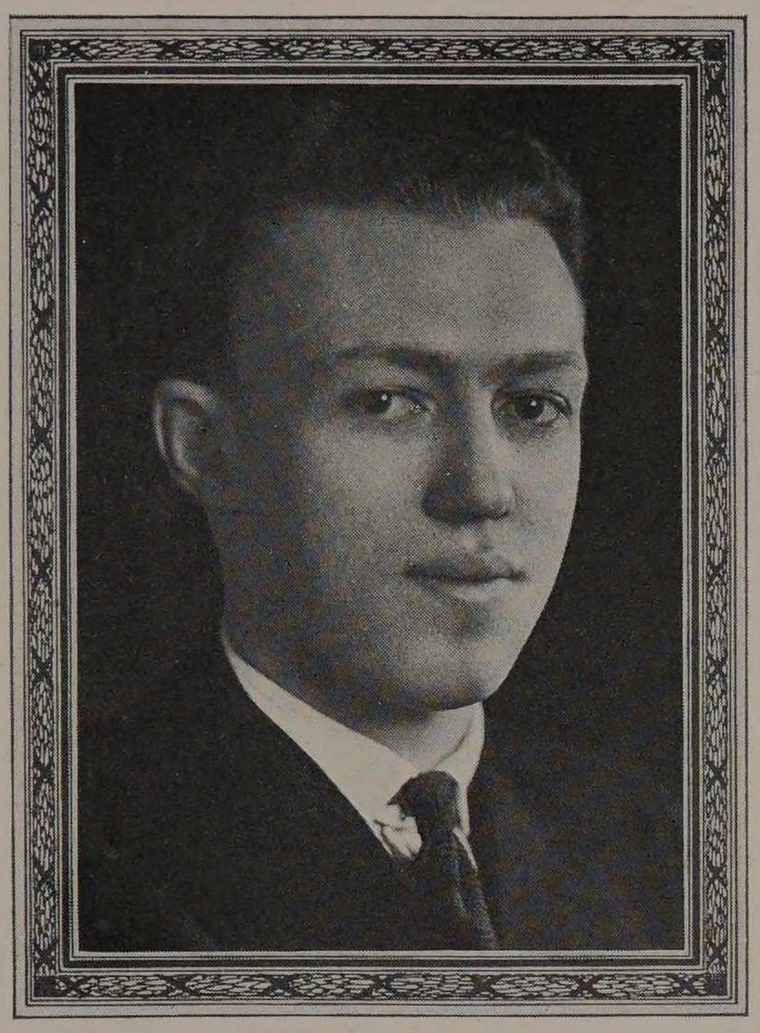
PAUL J. RUPPRECHT

Born October 23, 1900, Chicago, Illinois.
Tilden Technical High School.
Mechanical Engineering.
Class Basketball, 1919-20; Class Treasurer, 1922; Treasurer A. S. M. E., 1921-22.

The Treasurer of the Senior class, the Treasurer of the A. S. M. E., Paul Rupprecht is our financier par excellence. Most any time he could be seen with his book and pen in hand, and his cheery greeting, "Have I got you yet?" we shall long remember.

Paul handled a difficult task well, and we hand it to him, in more ways than one. But with that duty done, we find him in the gas lab. most every afternoon. Here he makes the wheels go 'round, and all such intricate things.





MORRIS CYRUS SUGARMAN

Chicago, March 17, 1899.
Mechanical Engineering.
John Marshall High School.
Rho Delta Rho.
A. S. M. E.

Morris has gained prominence as the junior partner of Eisenstein-Sugarman Co. His chief diversion has been to take a flock of library books out joy-riding on a hand-truck. Anyone desiring inside information on the why's and wherefores of an Oldsmobile will find Sugarman to be an inexhaustible fund of information.

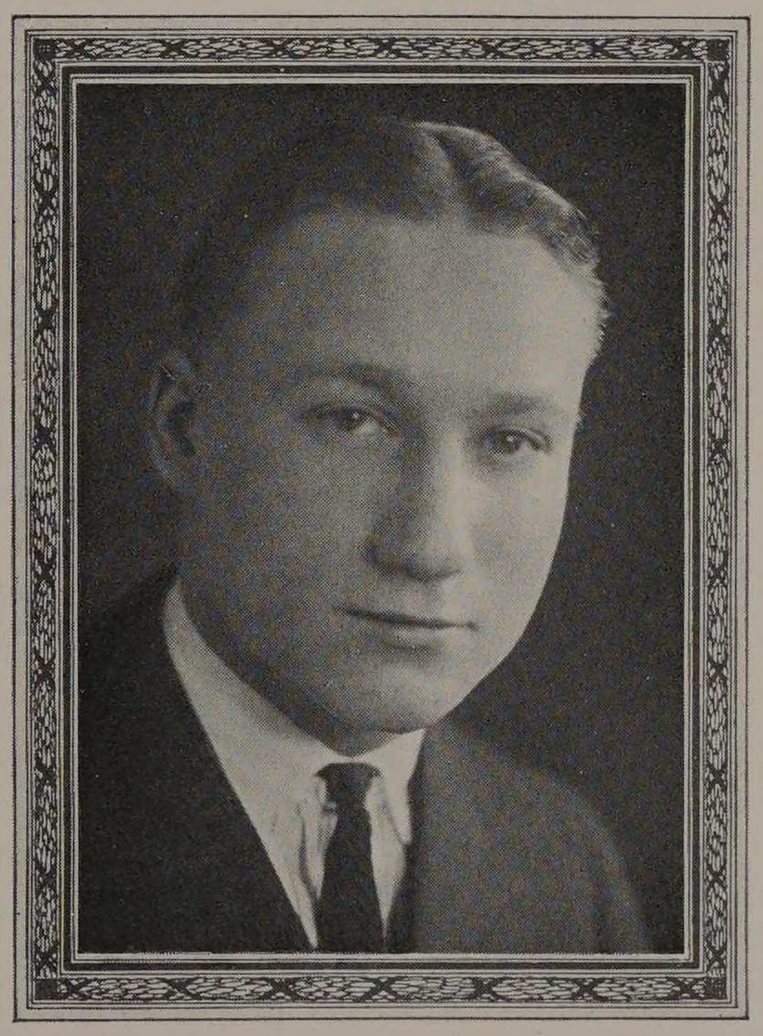
Morris well deserves the name of being a "regular" fellow.

HENNING MELVILLE SWENSON

Joliet, Illinois, June 27, 1900.
Mechanical Engineering.
Joliet Township High School.
Sigma Kappa Delta
A. S. M. E.
Shifters' Society.
Y. M. C. A.
Class Basketball '22.
Class Indoor Baseball '21.

Heinie is a pretty decent sort of chap and we all like him, but he hails from Joliet. Now, how any man with that marvelous discretion and unquestionable ability that Swenson possesses could ever select a place like Joliet to be born in is a problem that takes its place alongside of the fourth dimension.

In spite of this terrific handicap Heinie has made a lasting place for himself in the hearts of his fellow-students.





WALTER STANLEY TROWBRIDGE

Sheboygan Falls, Wisconsin, Dec. 21, 1899.
Mechanical Engineering.
Sheboygan Falls High School.
Sigma Kappa Delta; Tau Beta Pi; A. S. M. E.; Recording Sec., Tau Beta Pi, 1922.
Senior Picture Committee.

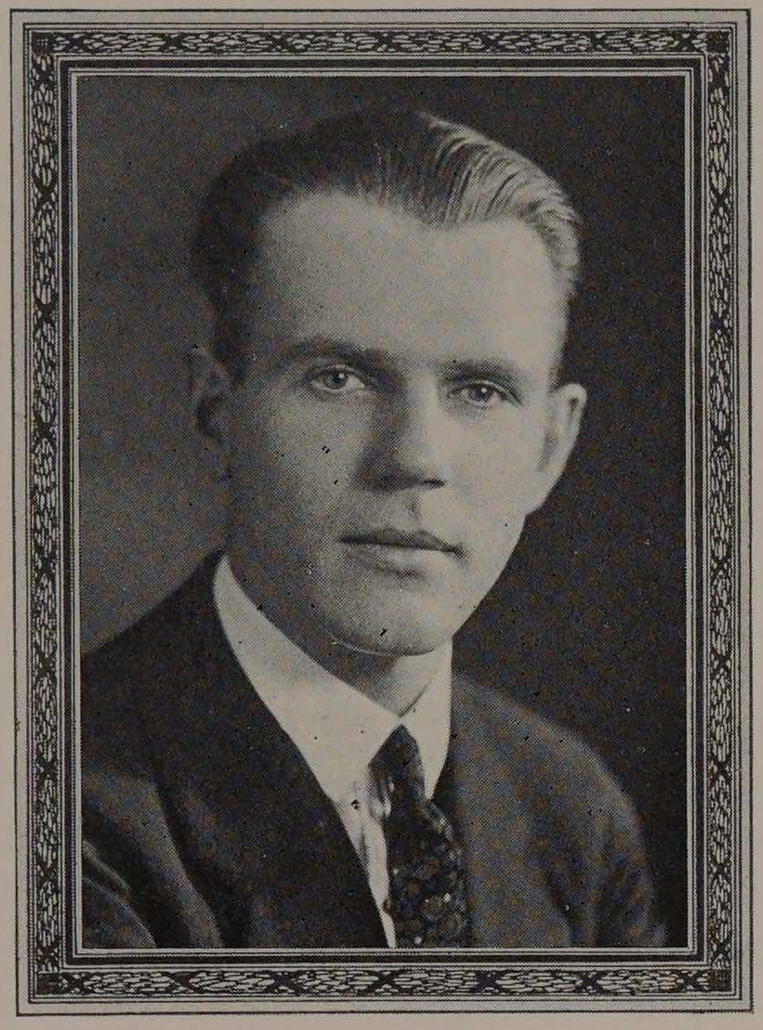
It is said that still water runs deep. At the last reports from Lake Trowbridge 20,000 fathoms of chain had been lowered away, but no trace of bottom yet discovered. But when Walter does speak he shows that his silence was due to thought and not to vacuum. His record as a student is one to be proud of as no doubt will be his record in his course in Life.

EDWIN GEORGE WALKER

New Britain, Conn., Nov. 22, 1897.
Mechanical Engineering.
Chicago Heights High School.
Delta Tau Delta.
President Freshman Class.
Chairman Social Committee Sophomore.
Chairman Program Committee Senior.
A. S. M. E.

Walker sprang into fame early in his college career as president of his Freshman class and he has maintained his place in the calcium ever since. His exceptionally high scholarship obtained while holding down a job on the outside is a trick not easy of accomplishment. Walker is a true Armour man in spirit as well as performance and some day his school will have even more cause to be proud of him.





G. Donald Wetherbee

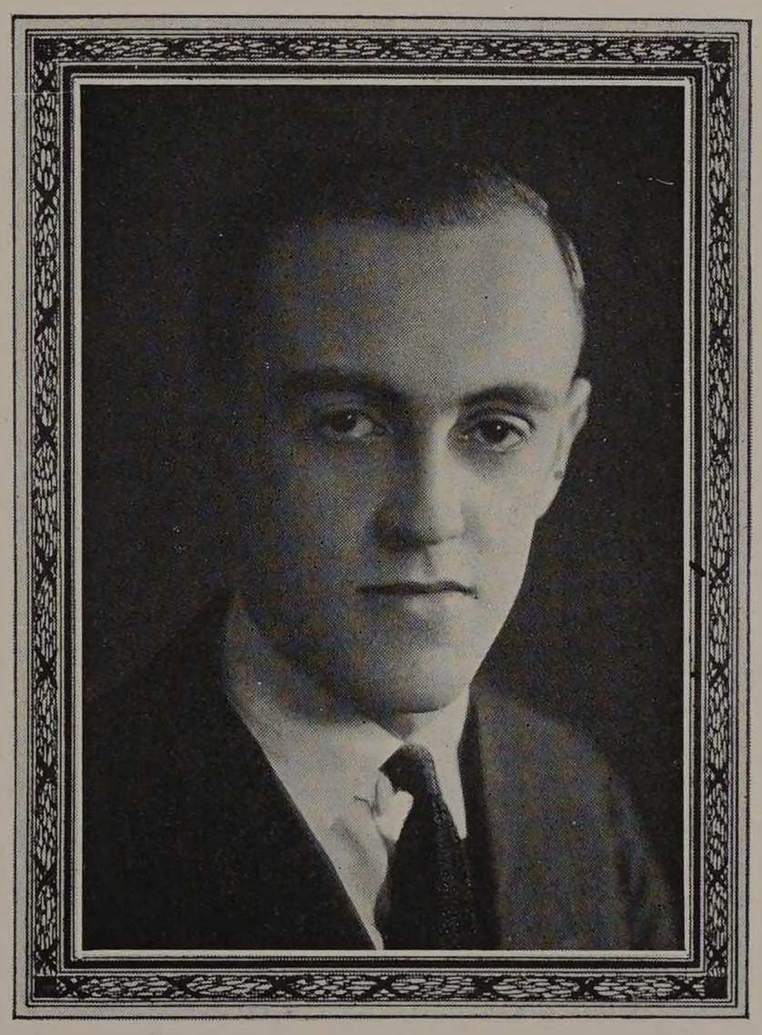
July 25, 1897.
Mechanical Engineering.
Hyde Park High School.
Sigma Kappa Delta, Tau Beta Pi.
A. S. M. E.
Glee Club '19-20-21.
Vice-President Junior Class.
Chairman Picture Committee.

Don is just naturally cut out to be an engineer. He has made a truly remarkable scholastic record and is one of the "chief pushers" in student activities. When there is nothing more interesting to do Wetherbee attends a few classes where he and Jeff Jr. hold long and noisy conferences.

Fred George Wittenmeier

Chicago, July 2, 1900.
Mechanical Engineering.
Lane Tech High School '18.
A. S. M. E. 1920-21-22.
Interclass Basketball 20-21-22.

The eminent student of refrigeration engineering. Fred is the staunchest exponent of CO_2 that the refrigeration can boast of. Athletics are Fred's hobby. As a member of the Senior class basketball team he covered himself with glory, and his numerous medals attest his skill as a fancy diver.



B. S. IN E. E.



GEORGE HENRY ADLER

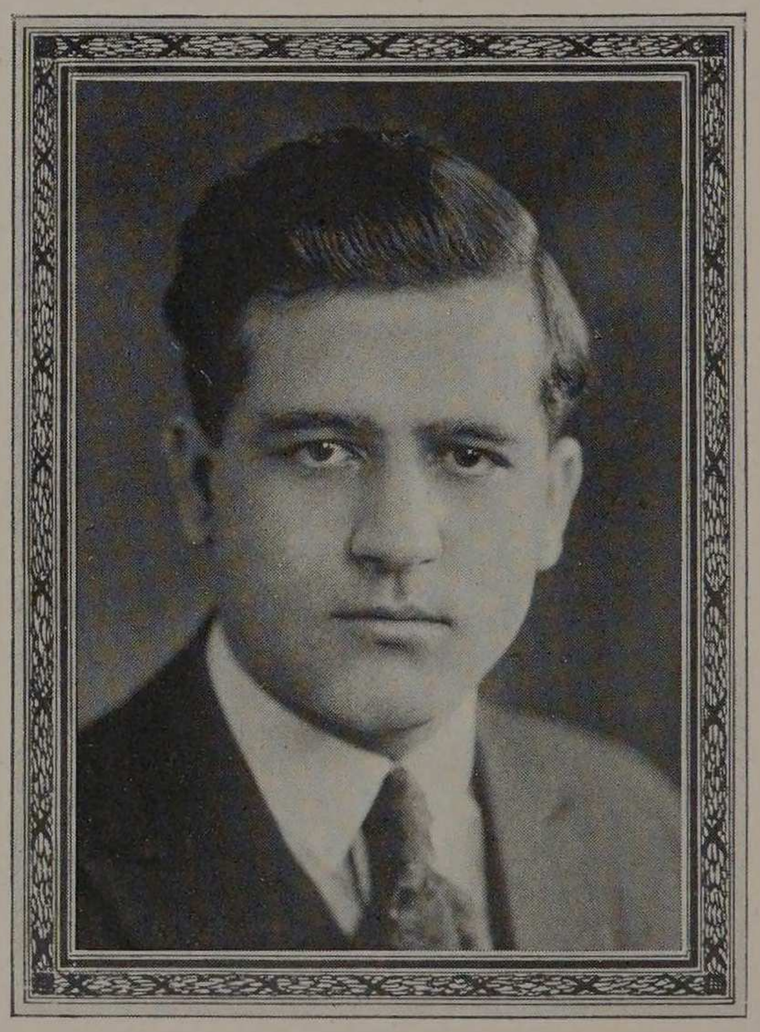
Joliet, Ill., 1899.
Electrical Engineering.
Joliet High School.
A. I. E. E.

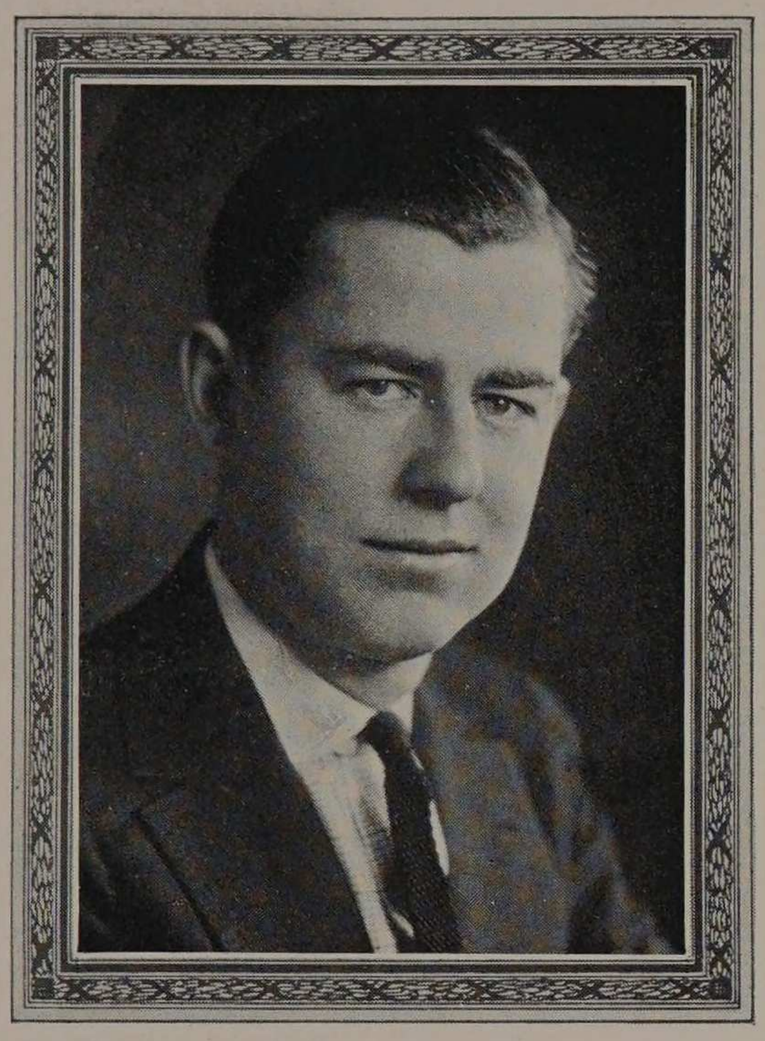
The Adler-Sloan debates of Junior days on the manner of teasing the characteristics out of a d. c. generator should never be forgotten. Ending as they always did, in mutual agreement, these debates served as a source of amusement and, at the same time, cleared up many technical points for all members of the squad. George is always ready for work or play at the proper time and is proficient at each.

SPERDS D. APOSTOLOS

Sparta, Greece, Sept. 25, 1894.
Electrical Engineering.
Gymnasium of Sparta.
Sigma Epsilon Sigma.
A. I. E. E.
A. R. A.

Mastering the course in electrical engineering and the American language at the same time is the enviable record of Armour's modern Pericles. After a year at the University of Illinois he served with Uncle Sam in the Signal Corps and at the close of the war decided that Armour needed him and, incidently, he needed Armour. His favorite expression is, "Say! you Irishman."





ROBERT P. BURNS

Born March 17, 1891, Chicago, Ill.
Chicago Technical College, American School of Correspondence.
Electrical Engineering.
Eta Kappa Nu, Vice-President Freshman Class, Pres. Sophomore Class.
Cycle Representative Senior Class.
Chairman A. I. E. E. 1921-22.

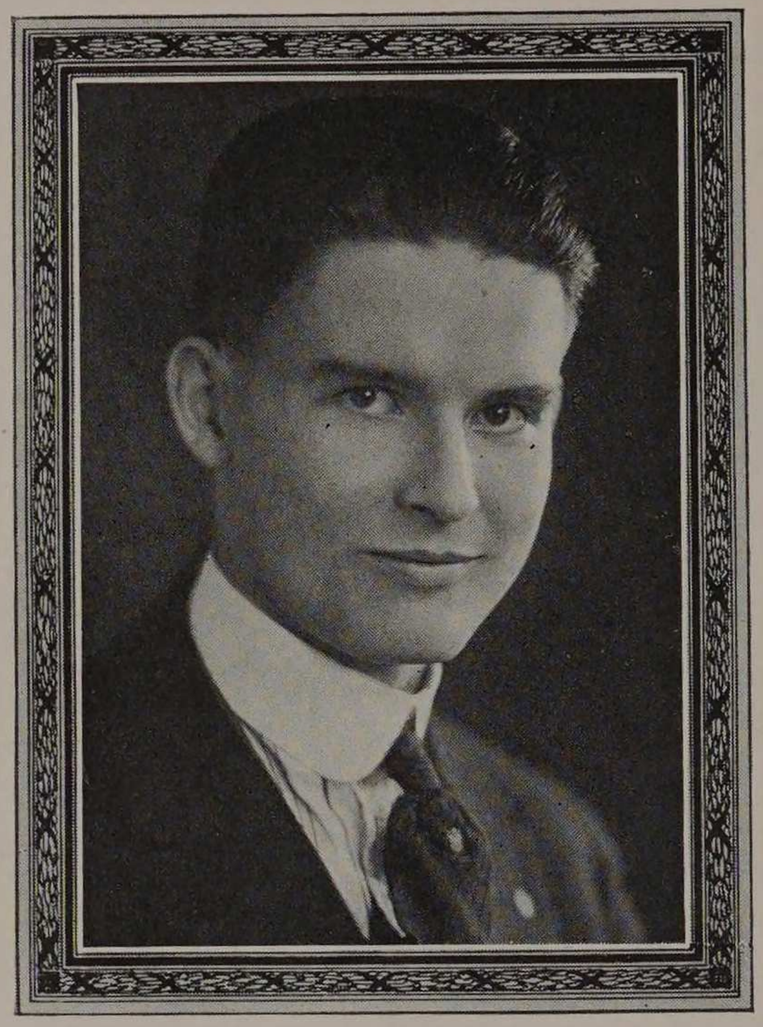
"Bobby" works to earn and earns to learn. When we look over his list of activities here at Armour, and then consider that he has a job and a wife to take care of besides, we wonder how he does it. The big question that now looms in Bobby's mind is, "What to be, a movie operator at eighty round men per week or to endure 'honorable poverty' as an engineer at ninety per month?" However, watch his stride after graduation. Burns is a born "promoter" and should soon head his own company.

NELS HAROLD ERLANDSON

Born Oct. 25, 1898, Chicago, Ill.
Electrical Engineering.
Bowen High School.
Phi Kappa Sigma; Eta Kappa Nu.
A. I. E. E.
Glee Club '21.
Class Basketball '21.
Senior Pin and Ring Committee.

Nels spent the first part of his college career at the University of Illinois and came to Armour at the close of the war. In his spare time he managed to talk and tinker with automobiles, and run conduit through the most inaccessible places in the Institute. Erlandson ranks among the hardest of workers and the jolliest of companions.





EARL RAYMOND EWIN

Born Oct. 30, 1895, Washington City, Iowa.
Salt Lake City, Utah.
Beta Phi; Eta Kappa Nu.
Class Basketball '20, '21.
Electrical Engineering.

Earl is the type of fellow who can always be relied upon. When he makes up his mind to do a certain thing, it is a safe bet that he will carry it to a successful conclusion. His determination and likable personality cannot fail to bring him success.

EDWARD A. GOODNOW

Born July 21, 1902, Minneapolis, Minn.
Electrical Engineering.
Englewood High School.
Tau Beta Pi; Eta Kappa Nu; A. I. E. E.; Radio Club; Glee Club; Vice-President Senior Class; President Armour Radio Assn. 1921; Sec.-Treas. 1922; Leader Glee Club 1922; Cycle Staff 1921.

"Ed" is the youngest fellow in the class, but that doesn't keep him from being the shark in A. C. or making a hit with the ladies. "Ed" manages to get all his work done in short order, and finds time to trip the light fantastic and experiment with radio. Yes, the handsome life-guard you saw at the Fifty-first Street beach for the last three summers was Mr. Goodnow.





EDWARD HERSKOVITZ

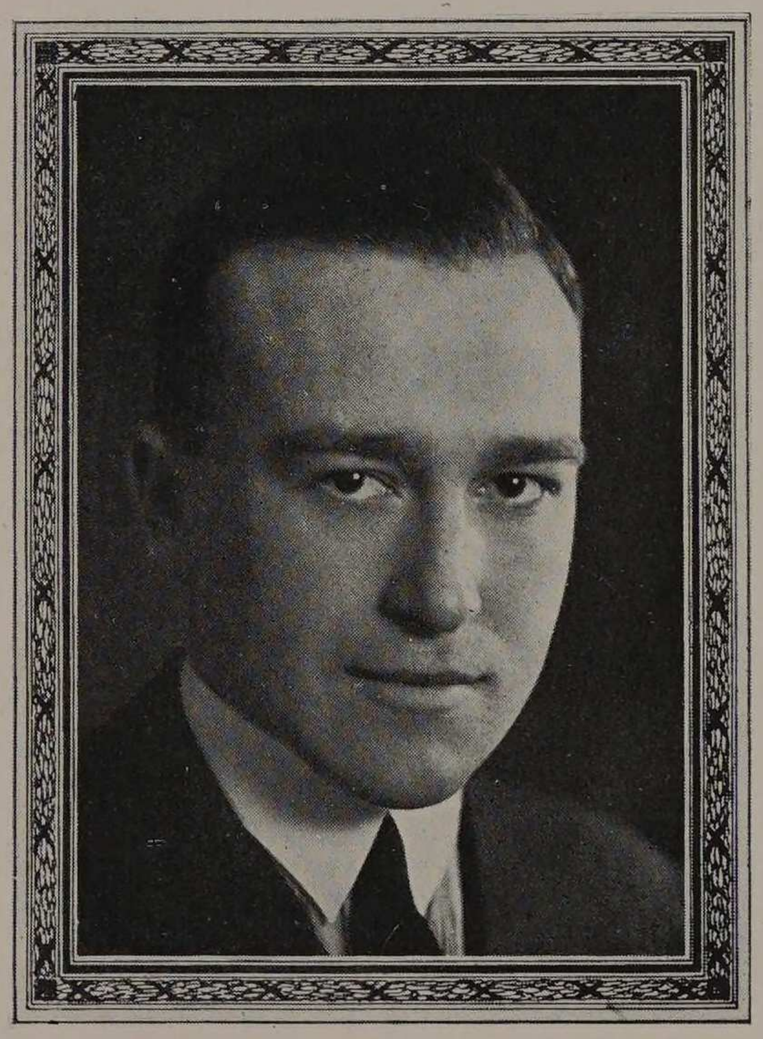
Born Sept. 22, 1901, Chicago, Ill.
Hyde Park High School.
Electrical Engineering.
A. I. E. E.; Armour Radio Association; Y. M. C. A.; Orchestra, 1920-21-22; Cycle Staff 1921; The Pyramid.

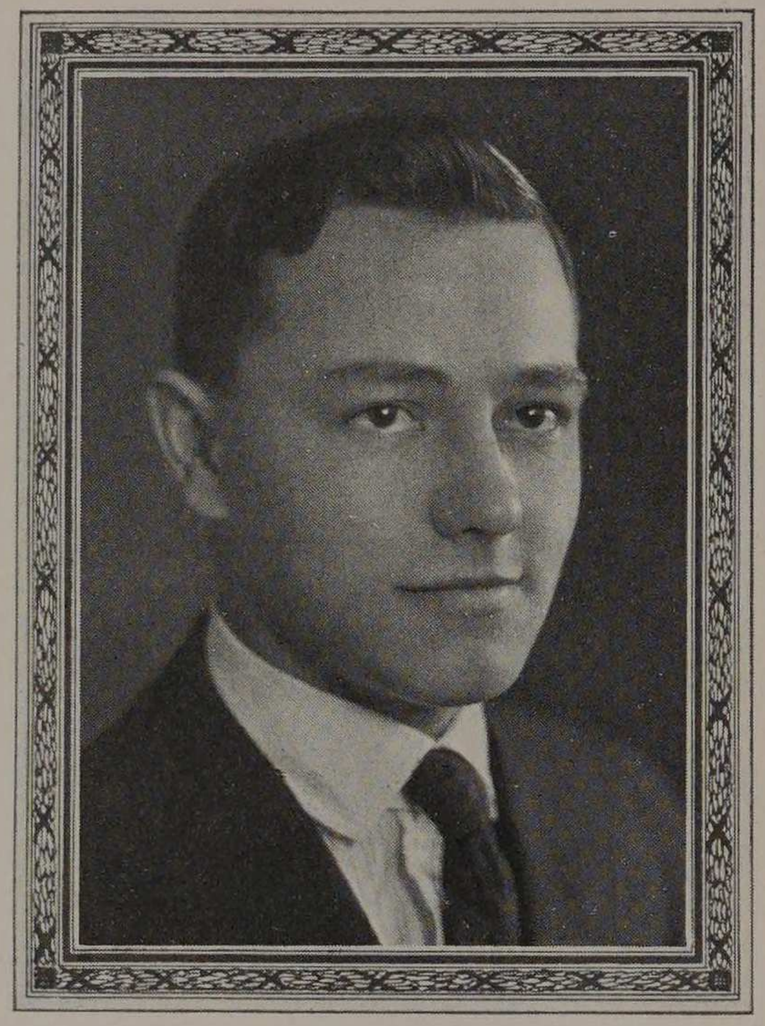
"Eef" did so much of his Senior work in his Freshman and Sophomore years that about all he has to do these days is to play the piano, talk radio, and practice drawing free-hand circles on the blackboard. Drawing and calculus were his favorite subjects until this year, when he found that keeping the frequency of an alternator constant was more to his liking. "Hersk" is known for his good humor and playful pranks.

FRED G. HOCHRIEM

Born Nov. 8, 1898, Chicago, Ill.
Electrical Engineering.
Nicholas Senn High School.
Sigma Kappa Delta; Eta Kappa Nu; A. I. E. E.; Social Committee, 1919-20-21; Chairman Social Committee, 1921-22.

In Fred is displayed that pleasing combination of personality, business ability, and sound technical training which all of us strive for. Being master of a lake going canoe, sailing the vicinity of Wilson Beach, Fred naturally lined up with the S. N. T. C. during his first days at Armour, and reports indicate that he was some "gob." However, he made the biggest hit of his school career when, as Chairman of the Senior Social Committee, he successfully engineered the first Armour dance ever held at the Drake Hotel.





George Howard Kelley

Born Dec. 26, 1900, Chicago, Ill.
Austin High School.
Electrical Engineering.
Tau Beta Pi; Eta Kappa Nu; Sphinx; A. I. E. E.; Armour Engineer; Class Secretary, 1920-21; Glee Club, 1919-20-21-22; Vice-President Armour Radio Association, 1921; Shifters; Interclass Basketball, 1919; Corresponding Secretary Tau Beta Pi, 1921.

George was one of the most quiet (?) and unassuming (?) chaps that ever attended Armour. He has often complained to his intimate friends that the unnecessary noise in the library and classrooms has seriously hindered his tireless researches in Steinmetz, Heaviside and Karapetoff. His scholastic achievements, however, have not in any way hindered his school "activities," in which he took a very active interest. G. H. K. was a firm believer in the old saying "Let George do it," at least in theory if not in practice.

Ralph S. Kenrick

Born April 17, 1900, Milwaukee, Wis.
Electrical Engineering.
Oak Park and River Forest High Schools.
Tau Beta Pi; Eta Kappa Nu; Sphinx; Shifters; A. R. A. 2, 3, 4; Secretary (3); Recording Secretary, Tau Beta Pi, 1921; A. I. E. E., 3, 4.
Managing Editor, Armour Engineer.

Thinking twice in succession would give some people a headache, but not so with our unassuming friend from the "Wilds of America." When not translating "Lawrence" into English for some less fortunate electrical, Ralph is to be found chasing up articles for the Armour Engineer. Always willing to help in anything worth helping, and with an ever present smile, Ralph may feel assured that he has won the everlasting friendship of all his fellow students.





CHARLES MARTIN KRAEMER

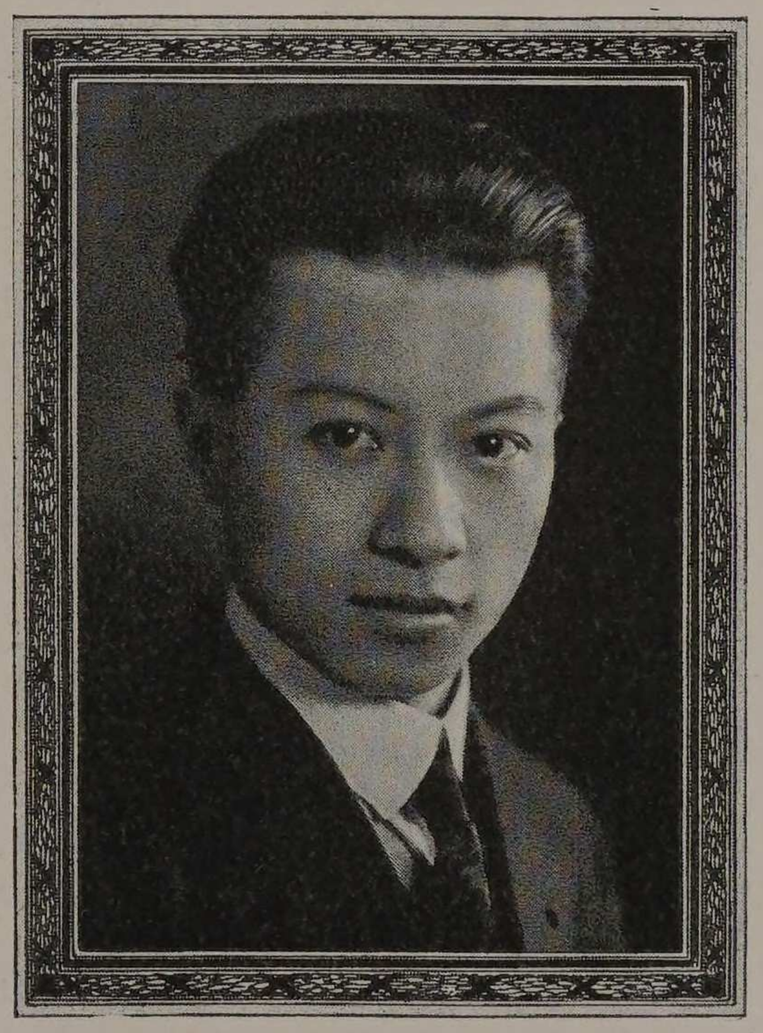
Born Oct. 14, 1894, Duluth, Minn.
Electrical Engineering.
Duluth Central High School.
Minnesota University.
Crane College.
A. I. E. E.; Radio Club.

When a man can work nights in a railway sub-station and then come to school during the daytime and make the record that Kraemer has, there is no doubt that the education which he has received is much more valuable than one received by the P. C. A. (Papa come across) method. With ambition and ability like this, Kraemer deserves the best of success in his chosen profession.

FREDERICK KIMMING KWONG

Born June 16, 1897, Canton, China.
Sacramento High School (California).
Electrical Engineering.
A. I. E. E.

"Scotty," after doing considerable globe trotting, finally decided to favor Armour with his presence. He certainly is some little orator and statesman, and no doubt will be quite a factor in putting a new China on the map.





RUSSEL OWEN MILES

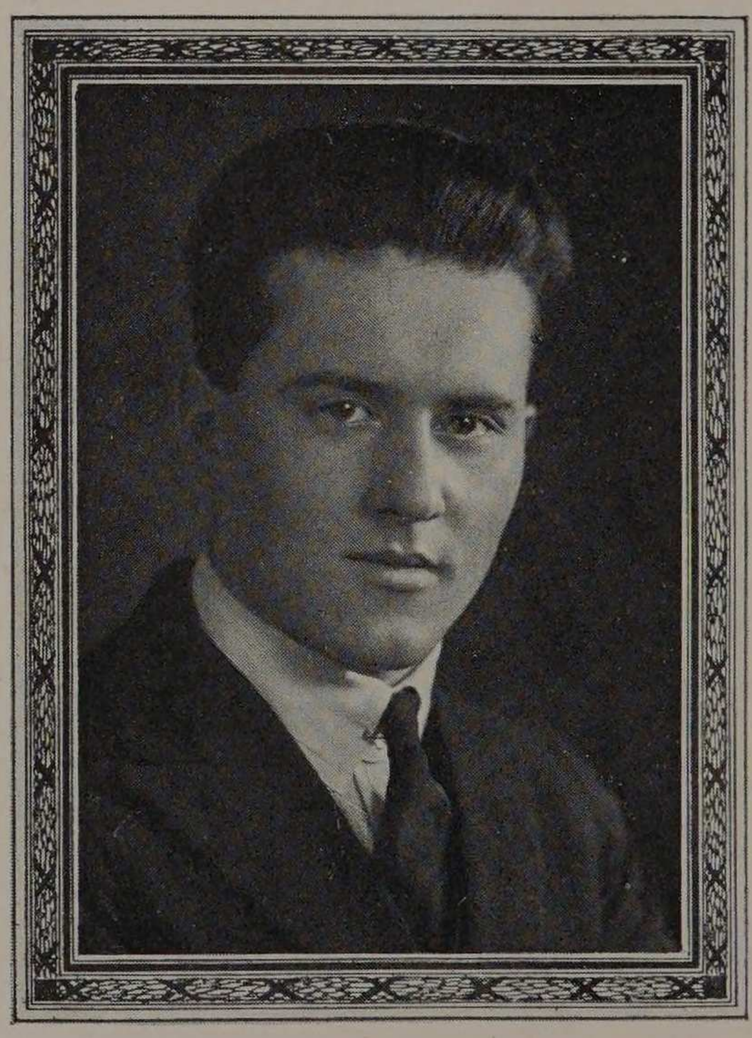
Born July 13, 1900, Wyanet, Ill.
Electrical Engineering.
Wyanet High School.
Sigma Kappa Delta; Eta Kappa Nu; Corresponding Secretary, Eta Kappa Nu, 1922; A. I. E. E.; Inter-Honorary Fraternity Dance Committee; Glee Club, 1921-22; President Glee Club, 1922; Social Committee Senior.

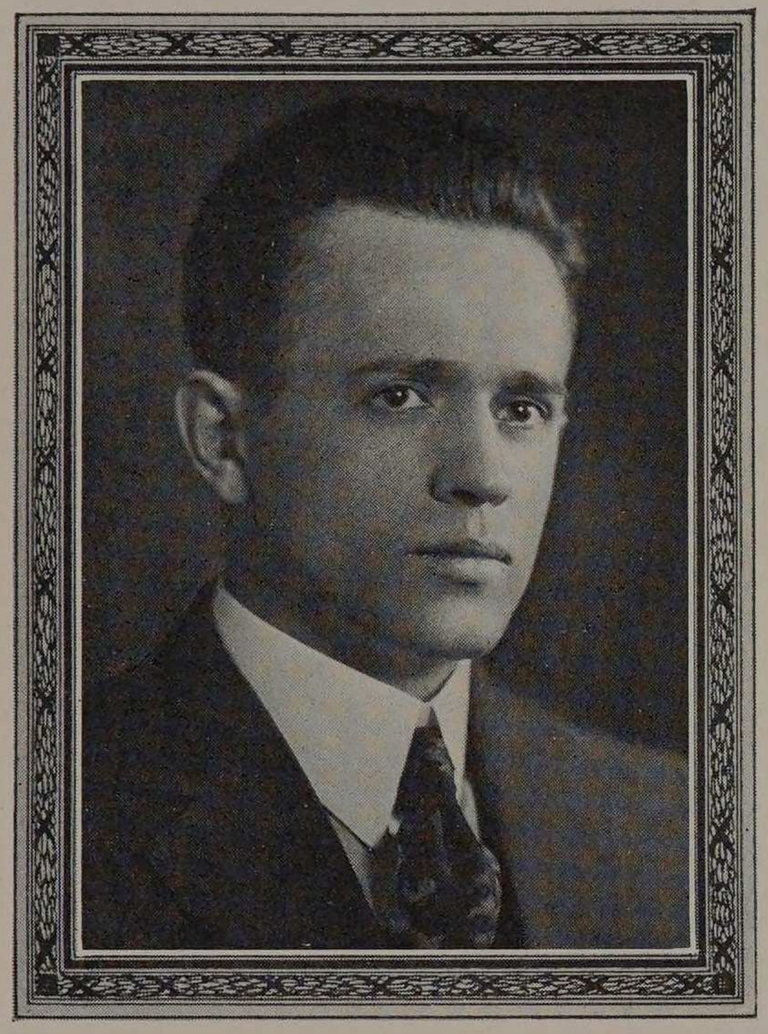
Miles is the prize comedian of the E. E. department. With his bogus sleight-of-hand and mind reading performances, together with an ever ready supply of humor, he served to brighten many a dark day. His usual occupation is keeping track of "Ham and Gravy."

EUGENE BERNARD MUESER

Born Aug. 24, 1900, Elmhurst, Ill.
Elgin High School, and Lane Technical High School.
Electrical Engineering.
Tau Beta Pi; Eta Kappa Nu; A. I. E. E.; Armour Radio Association; Treasurer, A. I. E. E.; Senior Indoor B. B.; Senior Basketball; Anti-Shifters.

Mueser enjoys the doubtful honor of never having his surname pronounced the same way by any two professors. Not being satisfied with having A. C. problems to work, reading every magazine in the library, collecting A. I. E. E. dues, exchanging love-pats with Kelley, etc., he improved his spare time by taking a course in Spanish in the evening. Due perhaps to his experiences in the S. N. T. C. and in a two weeks' cruise aboard the U. S. S. Wilmette, Mueser's usual flow of lingo ends up with the statement, "Bellum est Hades."





FRANK G. SHAY

Born Jan. 28, 1896, Turdosin, Bohemia.
Electrical Engineering.
Kenosha High School.
Lane Tech High School.
Y. M. C. A. College of Commerce, 1914-15.
A. I. E. E.

Shay's greatest virtue is his insistence upon accuracy. Whenever he took a sight in surveying work the plumb bob had to be exactly over the point, even if he had to hold it there. Shay worked four years after his sophomore year in high school, but he finally decided that mental work was more suited to a man of his build than physical exertion, so he finished his high school work and came to Armour.

ARTHUR H. SLOAN

Born June 17, 1900, Chicago, Ill.
Electrical Engineering.
Harrison Tech High School.
A. I. E. E.

Getting his daily school work is Sloan's chief concern. Plotting curves and wrestling with several volumes by Steinmetz are his pet hobbies, but of late sharp-shooting in lecture classes has taken a great deal of his attention. Although quiet and persevering, Sloan is always on hand to support school activities. His best known phrase is, "I don't quite understand."





JOHN BENSON THOMPSON

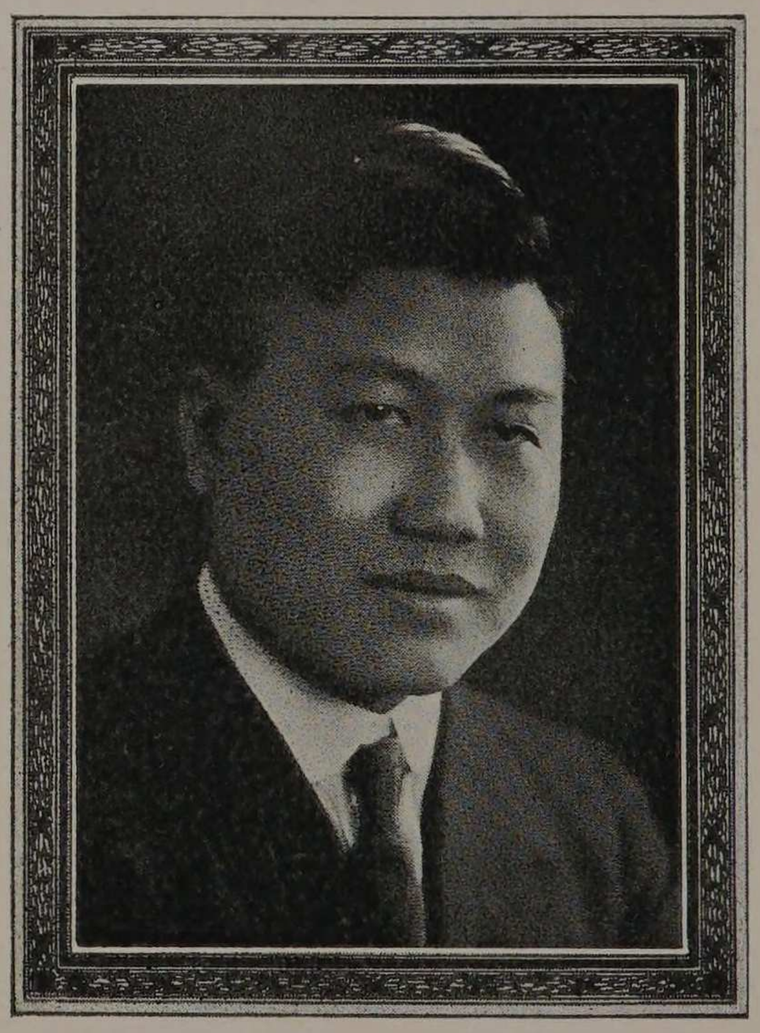
Born Dec. 17, 1898, Chicago, Ill.
Electrical Engineering.
Nicholas Senn High School, '17.
Theta Xi; Eta Kappa Nu; Freshman Social Committee; Glee Club and Jazz Band, '18; Junior Play, 1920; Senior Social Committee; A. I. E. E. Glee Club 1919-20-21-22.

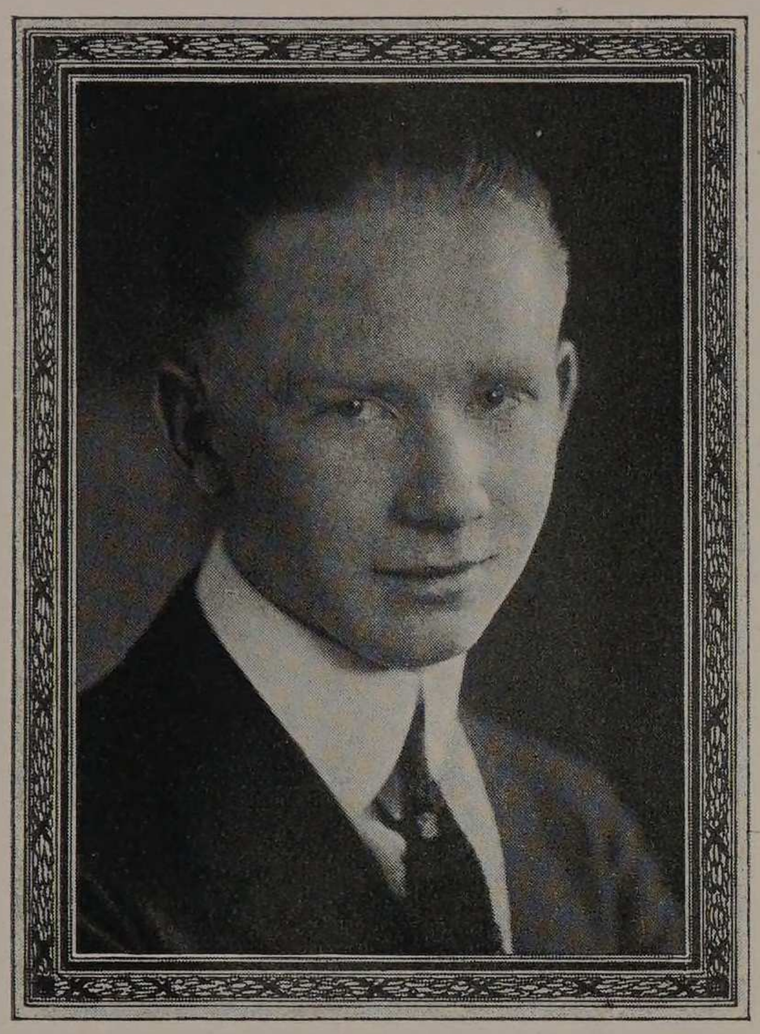
"Tommy" is known as the best tenor singer around school, and has been the mainstay of that division in the Glee Club for the past four years.

HENRY R. WING

Born Aug. 20, 1895, Canton, China.
Electrical Engineering.
Sheboygan (Wis.) High School.
Tau Beta Pi; Eta Kappa Nu; Treasurer Tau Beta Pi, 1922; A. I. E. E.

Wing is our chubby-faced friend from the East who has favored more than one of us with a fine feed at his dad's chop suey emporium. He would have graduated two years ago if he had not decided to take a trip to France during the war to establish lines of communication in No Man's Land. By his good fellowship, as well as excellent scholarship, he has earned his way into two honorary fraternities, and we feel certain that success awaits him wherever he next decides to travel. "Correct. Sit down."





HAROLD WESTON

Born July 10, 1898, Pittsburgh, Pa.
Electrical Engineering.
Emerson High School, Gary, Indiana.
Beta Phi.

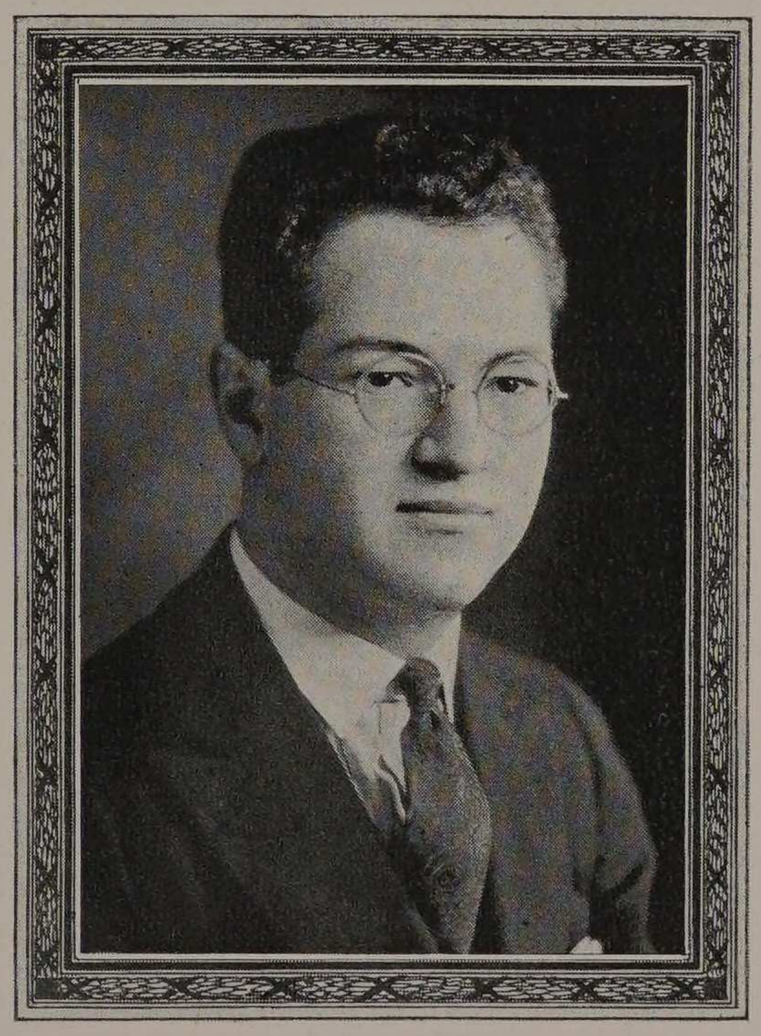
Harold is a firm believer in the old motto "Worry once killed a cat, therefore, why worry?" His refusal to worry, together with his other likable traits, gives him a personality which never fails to draw friends.

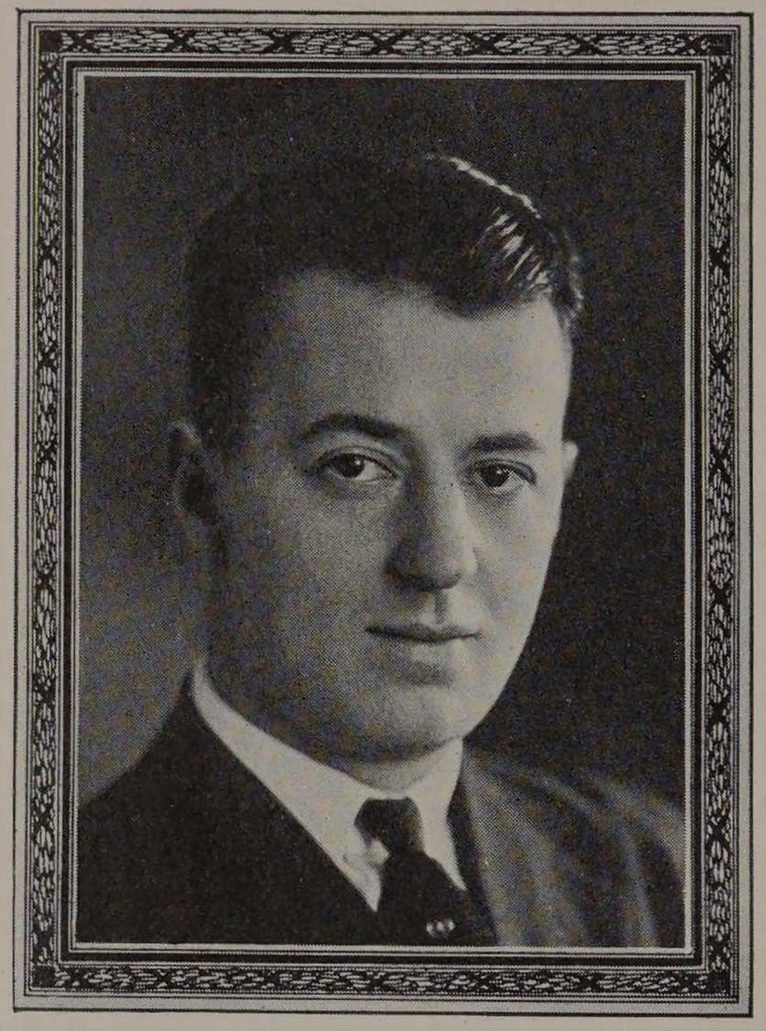
B. S. IN C. E.

HENRY A. AUERBACH

Born Oct. 6, 1901, Chicago, Ill.
Hyde Park High School.
Graduated Hydro-Electric branch of Civil Dept. in 3½ years.
W. S. E.; The Pyramid; Cap and Gown Committee.

"Henrie" is noted for his good nature and his willingness to take part in everything that comes up. He is always just the same whenever you meet him, a characteristic that has made him many lasting friends. The more difficult the problem the better he likes it, and in years to come he will always be remembered as our little "Every Ready." He will always be known as one of the "Four Hydro-Elects"—the last of that race at Armour.





JACOB BERNSTEIN

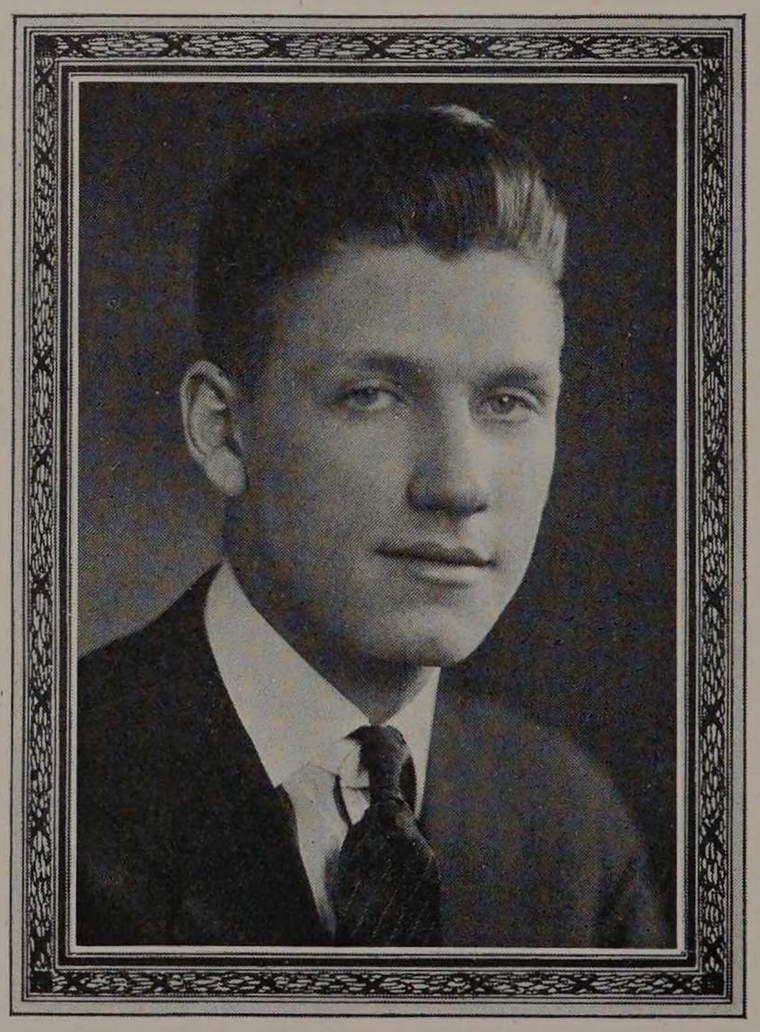
Born May 12, 1901, Chicago, Ill.
John Marshall High School.
Rho Delta Rho; W. S. E.; A. A. E.

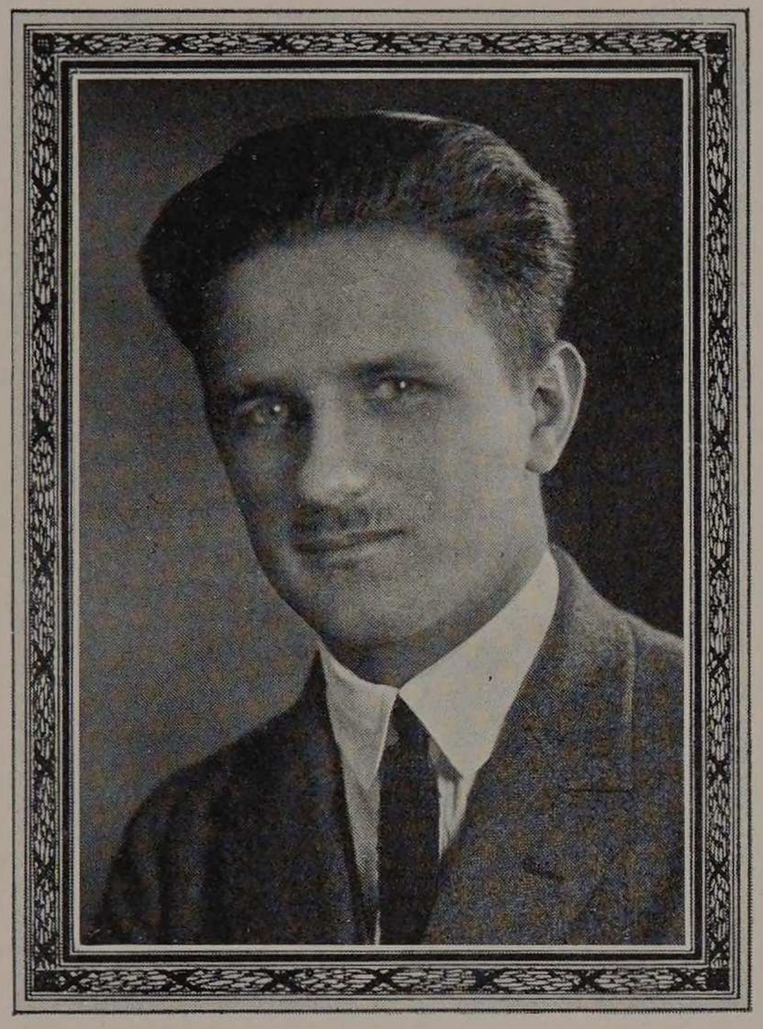
"Jack" is one of those hard working civils. Although he specialized in A's and B's one could not say that he was a "book worm." His pleasing personality and helping ways obtained for him a true friendship of his fellow students.

ELMER CONRAD EIERDAM

Born December, 1898, Chicago, Ill.
Harrison Technical High School.
Theta Xi; W. S. E.; Social Committee, 1921.

Eierdam brought to this school that enjoyable if unprofitable duty of attending directors' meetings. He is the only person capable of directing single-handedly the fortunes of such a multiplicity of "heart-throbs." Like all men of accomplishments he has coined a new motto: "Tenderness towards all, but don't give up the ship." He is a man with a personality seldom equaled, which will carry him beyond attainments privileged most men. We know that he will make a good engineer.





JOHN JACOB GAMBAL

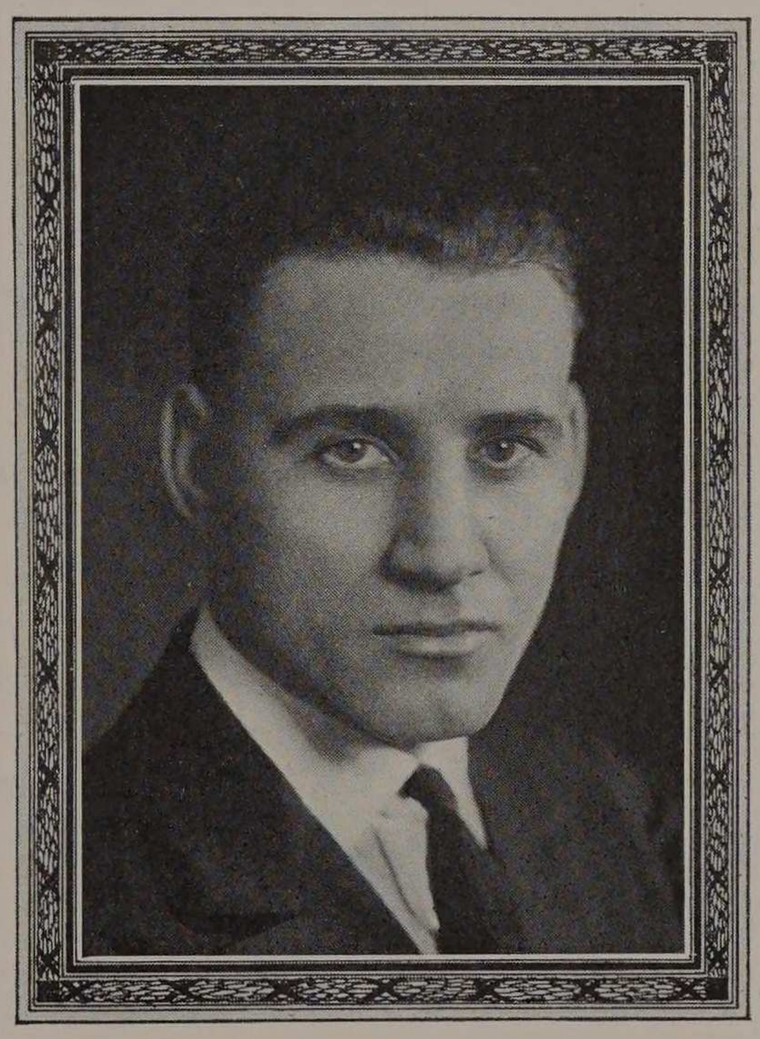
Born Dec. 26, 1897, Olyphant, Penn.
Kenstone Academy.
Lafayette College.
Lewis Institute.

During his four years at Armour Gambal gave us the impression that he was a conscientious worker and a willing helper. He would leave his own work to help others, but would be among the first to have his complete. His hobby is picking out "dome-crackers" in the calculus and mechanics and reducing them down to nothing. His ambition is to become an executive in a large contracting firm. He has the "goods" and if he sets his mind on it he undoubtedly will have his ambition realized.

LEONARD MINIUS HOLMES

Born October 20, 1894, Artesian, So. Dak.
High School, Sioux Falls, So. Dak.
Tau Beta Pi; Theta Xi; W. S. E.
Program Committee.

In "Sherlock" we have a living example of a real self-made man, who may have reason to be proud of his product. Always on the lookout for more work, his industry has become a habit which not only has earned his education, but has carried him through with high honors and on the way earned him a host of steady friends. And Leonard is a friend worth winning. His pleasing personality and always even and sunny disposition have made him one of the most popular men in the class. Besides this he constitutes 25 per cent of the notorious Hydo-Elects. His success is assured.





DANA ROYCE HYDE

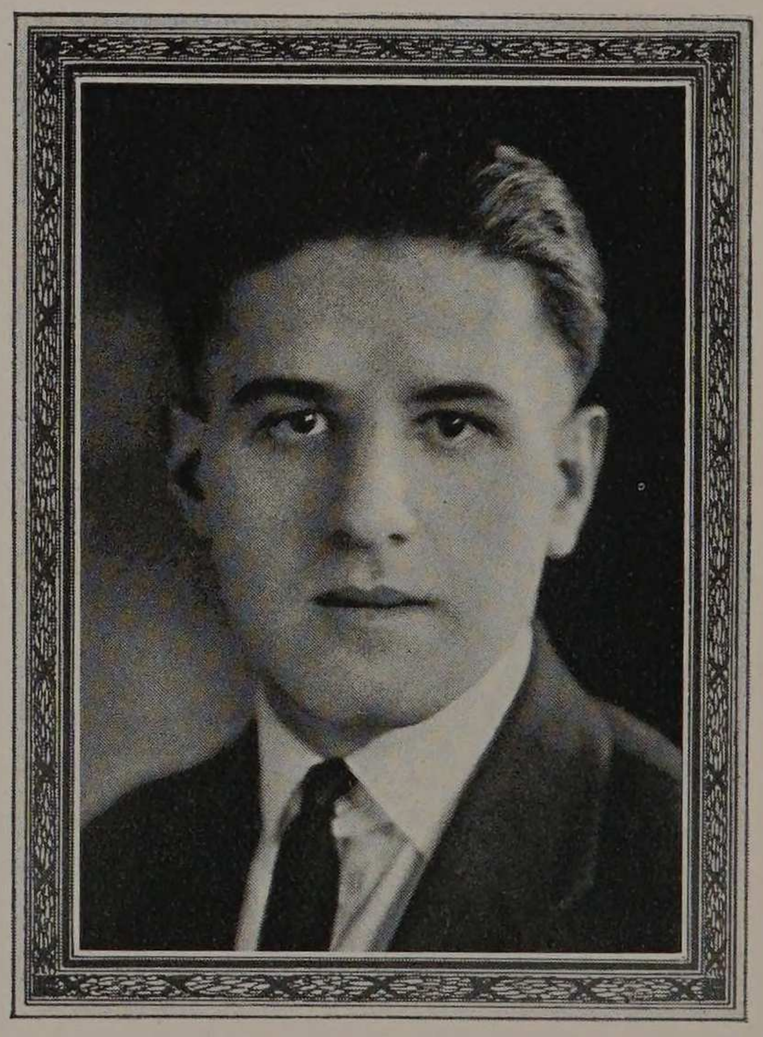
Born September 19, 1900, Greenville, Mich.
Hyde Park High School.
Tau Beta Pi; W. S. E.
Treasurer, W. S. E., 1921-22. Senior Program Committee. Gold Champion, 1920.

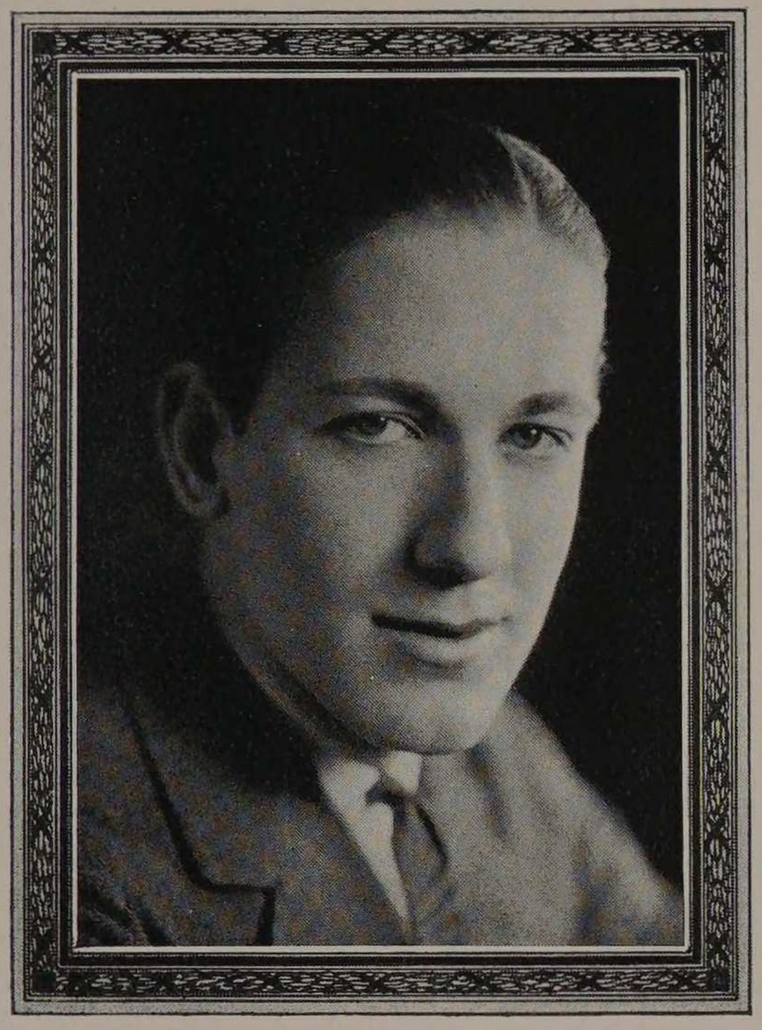
Hyde was our original "Dude of Marmalade." He was born with an unsatiable desire to take Calculus and it clung to him for quite a period. His hobby is golf and his games with Professor Palmer have gone into the pages of history. It is also common knowledge that Hyde Park was named after him. The source of his other two handles is inconceivable. As treasurer of the W. S. E. he accomplished the usual aim of all treasurers—to make a nuisance of themselves.

SAMUEL ISAACSON

Born November 1, 1899, Chicago, Illinois.
Wendell Phillips High School.
Rho Delta Rho; W. S. E.

"Bill' finished his work in February and since then has been living the life of an Engineer and social lion. He did a year's work in his last semester at Armour, and yet was the best "concrete" man of his class. He can expound the theories of Freud and of Spence as well as he can design reinforced concrete.





ELMER B. MASON

Born October 24, 1900, Chicago, Illinois.
Hyde Park High School.
Sigma Kappa Delta; W. S. E.

Oh yes, we all know the tall blond Terpsichorean artist of the class of 1922. Elmer is a good old scout though, and does wonderful work under the most trying conditions. It is said that he also possesses a remarkable affinity for absence blanks. His pleasing personality and smiling face have won him a host of friends. Elmer is a very popular man. His start as an architect hasn't hindered him from getting his B. S. as a real C. E.

GEORGE WILLIAM LOCKOW

Born June 21, 1899, Chicago, Illinois.
Civil Engineering.
Fenger High School.
Theta Xi; W. S. E.

"George," another sewer digging engineer, will never starve as long as he retains his sweet voice and rosy complexion. He is a jolly good fellow, and well liked by everyone. His ambitious nature, coupled with a keen insight for perplexing problems, will give him a place among the leading engineers.



THOMAS MICHELS

Born September 16, 1899.
Sigma Kappa Delta; Tau Beta Pi.

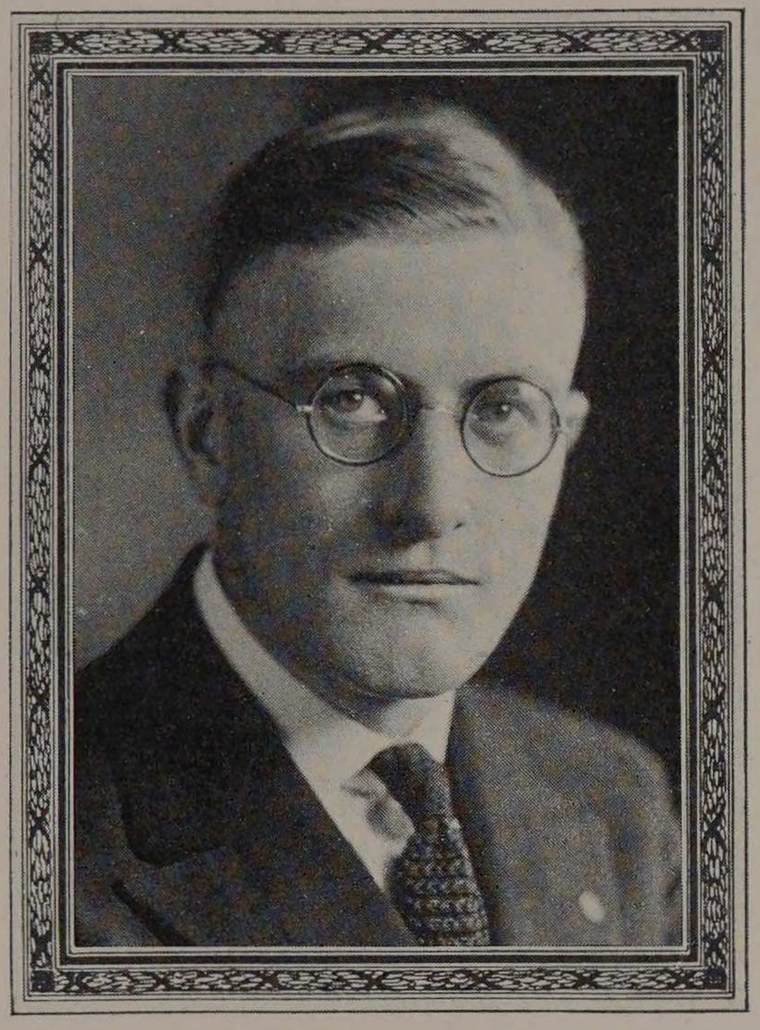
"Unfortunate is he who hath not music in his soul." In Tom we have the lover of music; the keen student of engineering; one who appreciates art and good literature. What an enviable combination! Add to these a sense of humor, a sunny disposition, an ever-present smile and a thatch of red hair and we have Tom. How can a man like this do anything but go out into the world and "knock 'em dead?" So, go to it, "Mike," we're all with you.

PARKER JAMES MONTAGUE

Born May 1, 1896, Brodhead, Wisconsin.
Hyde Park High School, Chicago.
Scott High School, Toledo, Ohio.
College: Denison University, Ohio.
Tau Beta Pi; Phi Delta Theta.
President, Tau Beta Pi, 1921.

Here is "Monty," one-half of the partnership of "Monty and Mike." If it's the small matter of the analysis of a pin connected truss or a concrete arch, just let him see it and he'll tell you "why is which." He hasn't been with us for all four years as he spent part of the time at Denison University in Ohio, but he certainly is a credit to A. I. T. His keen sense of analysis, his ready wit, and his pleasing personality all combine toward making him a real engineer.





BENJAMIN F. MORRISON

Born December 3, 1895, Chicago, Illinois.
Hyde Park High School.
Scroll & Triangle; W. S. E.; Y.M.C.A.
President W. S. E., 1921.

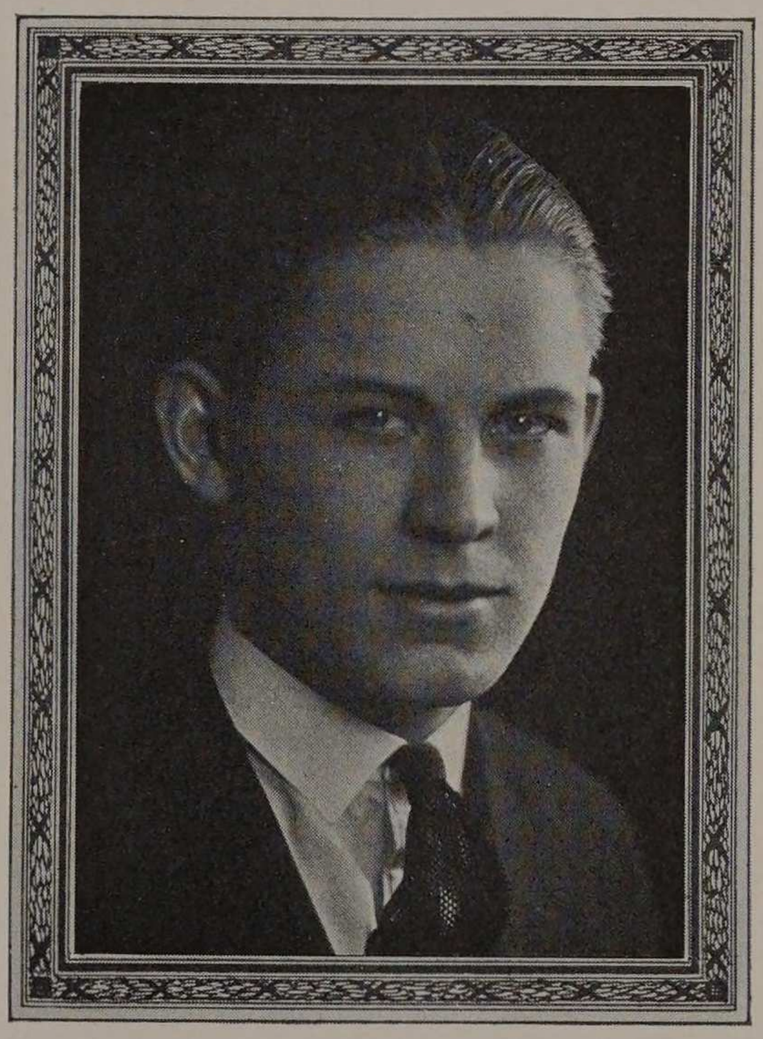
Benjamin is one of our "hard working" civils that found time to be president of the W. S. E. By the way, he showed us all "up" in Higher Structures. We know that he will be chief engineer for the South Park Board, starting this June 1st. Sometime in the future when you wish information in regard to bringing up children, see Benj; he has had charge of a park playground for the past few years and knows all the kids' tricks.

HAROLD ARTHUR PETERSEN

Born January 12, 1901, Omaha, Nebraska.
Central High School, Omaha, Nebraska.
Theta Xi; W. S. E.; Vice-President, W. S. E., 1921; Social Committee, 1918-19.
President Junior Class, 1921; Senior Basketball, 1922; Interfraternity Council, 1922.

"Pete" blew in from Omaha one day back in the fall of 1917, and since then has been constantly increasing his popularity by his ever-ready spirit of good fellowship and his willingness to co-operate with classmates.

"Pete" does like to sleep, but well raised, he knows his eggs, and in work or play, prosperity or adversity, he stands head and shoulders above the crowd.





ANTHONY ROTUNNO

Born October 3, 1900.
Lane Technical High School.
Crane Junior College.

Tony is sure there. Not a giant in size, but then all good things come in small packages. As a speaker Tony is a wonder. He can talk for half an hour without saying anything.

EDGAR MERRILL SEABERG

Born July 23, 1900, Sheldahl, Iowa.
Sutton, Nebraska, High School.
Carter H. Harrison High School, Chicago.
Sigma Kappa Delta; Tau Beta Pi.
Class Treasurer; Sphinx, 1920-21.
Secretary W. S. E., 1921-22; Editor-in-chief, Armour Engineer, 1921-22. Inter-honorary Dance Committee.

E. Merrill has been a permanent fixture in the Civil Department for the past four years. He and the other Siamese twin constitute 50 per cent of the Hydro-Elects. Aside from his many activities as noted above he has shown a great interest in one School of Expression on Michigan Boulevard. Although his "minister-son's" conscience prevented him from doing the Ponzi frenzied finance act the other halves gave him the comfort that the Inter-Honorary Dance was a success in every other way. After leaving Armour he expects to remodel the peninsula of Sweden, that is, from an engineering standpoint. We feel that America will lose a fine engineer and know that his Armour friends will long remember him.





CHARLES HENRY TICHY

Born October 24, 1898, Bohemia.
Carter H. Harrison High School.
Societies: A. A. E.; W. S. E.

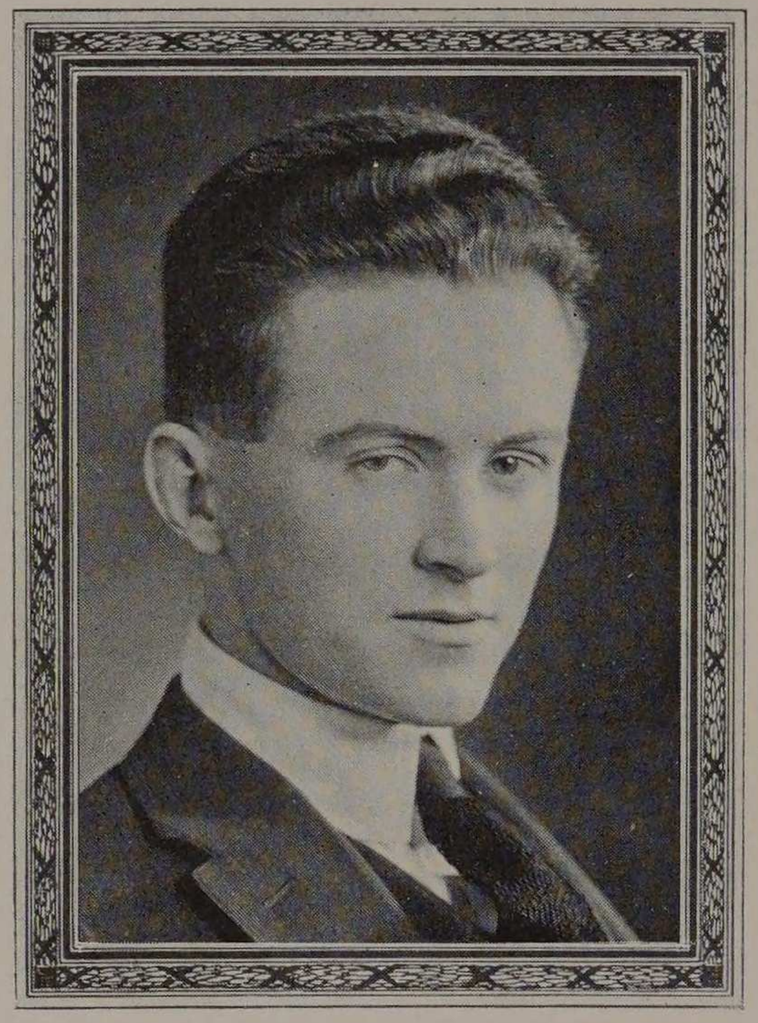
Charles was a well-liked fellow among his classmen. He was always on the job performing his duties faithfully. Charles was a wonderful athlete and his wrestling ability will always enable him to handle men easily.

JOHN CHRISTIAN EDGAR VAALER

Born December 18, 1899, Chicago, Illinois.
Carl Schurz High School, Chicago.
Sigma Kappa Delta; W. S. E.

Here is the other Siamese twin and 25 per cent of the Hydro-Elects. He is the moral support and joke editor of the Armour Engineer. His hobby is the same as Seaberg's—whatever that is—and his pet peeve is astronomy lecture. The noblest contribution which any man can make for the benefit of posterity is that of a good character. The richest bequest which any man can leave to the youth of his native land, is that of a shining, spotless example. That is the trail Jack is on.





JOSEPH JOHN WALLACE

Born August 19, 1898.
Joliet Township High School.

The only thing that we can say against Joe is that he took reinforced concrete too seriously. In spite of this, he's an all-'round good fellow and given half a chance, he'll make his mark in the world. Conscientious, unassuming, a good student, he has lived up to the standard of Armour. In the future as we turn to this page we'll proudly point to his picture and say, "I knew him."

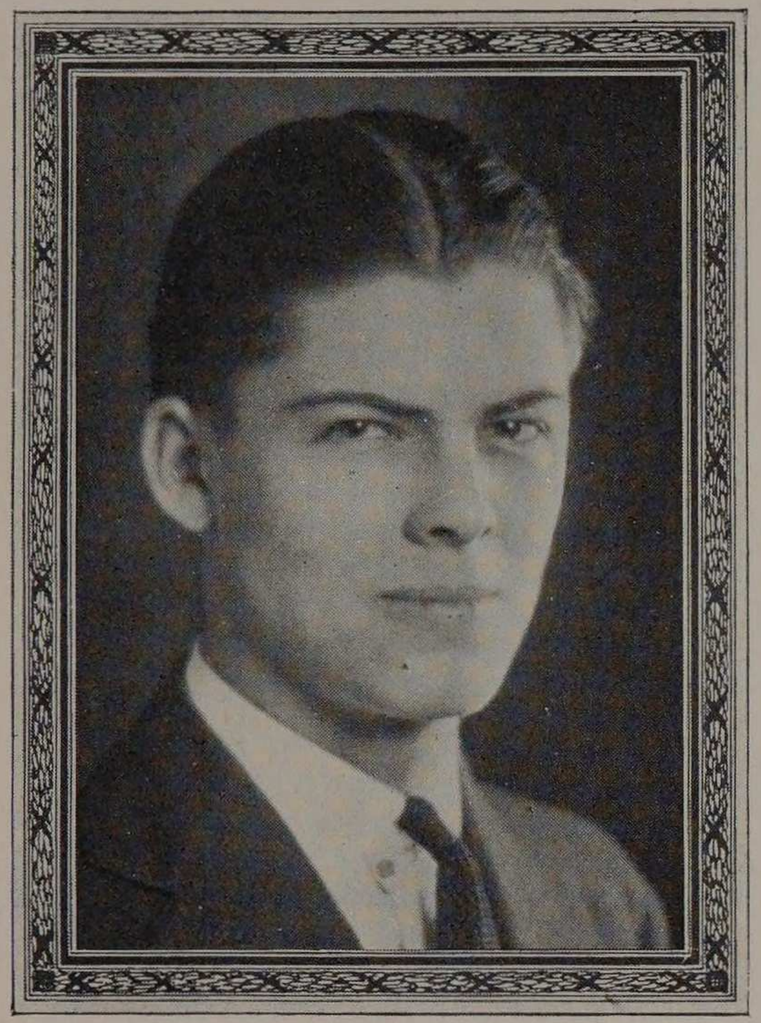
JAMES HUSTON WATT

Born September 2, 1901, Pontiac, Illinois.
High School, Creston, Iowa.
Sigma Kappa Delta, W. S. E.

Jimmie, while not a Scotch inventor as his name might indicate, may soon be laying sewers and water pipes in the Philippine Islands. Although the electrical book says that a watt is equal to volts multiplied by amperes, this one is the product of the great "city" of Downers Grove. However, his heart is in Pontiac. You have seen her at many of the Armour dances, even though Jimmie did cheat now and then to take one of his Columbia friends. In spite of his love for the fair sex he will no doubt make a good engineer.



B. S. IN CH. E.



ALFRED ALVERTUS DAVIS, JR.

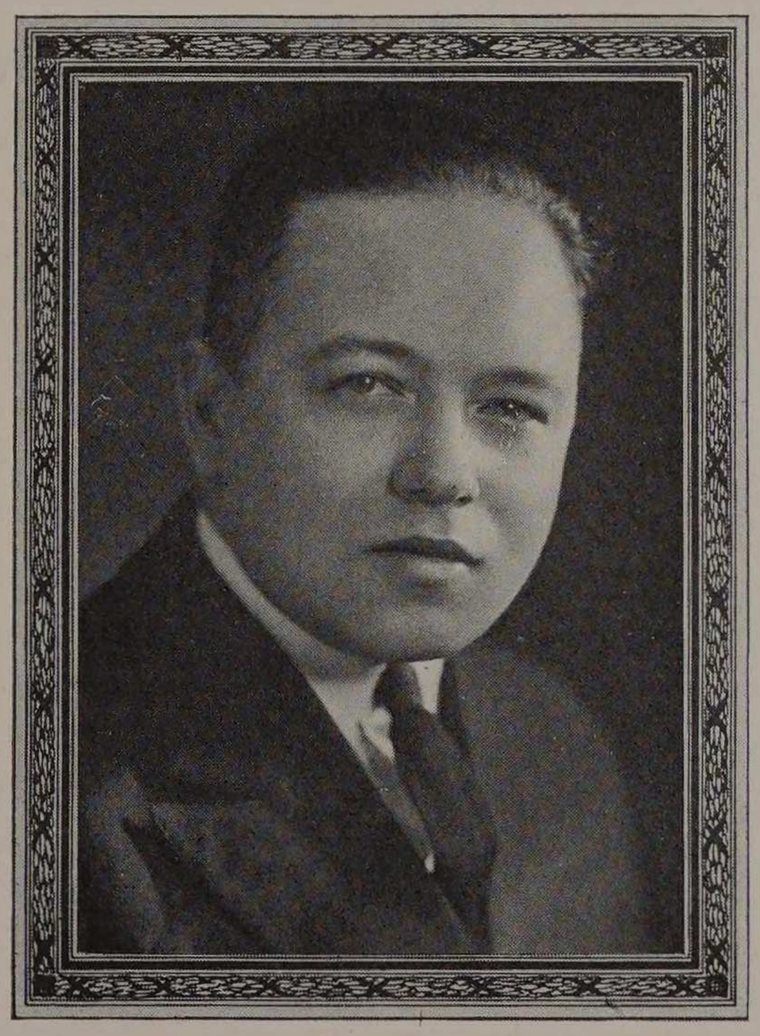
Born March 10, 1901, Chicago, Illinois.
Harrison Technical High School.
Chemical Engineering.
Delta Tau Delta; Phi Lambda Upsilon.

Al is always going on week-end trips. On Fridays, immaculate, with suitcase in hand, Al is hurrying away from school to catch a train. Always cheerful, very often witty, he is desirable everywhere. There has been gossip of Al's conquests in certain directions, but we will let that rest. I mentioned that Al was immaculate, let me enlarge upon that. It has been my desire to learn how he does it, but it seems that the secret is all Al's own.

ELMER F. DHUS

Chicago, March 19, 1900.
Chemical Engineering.
Oak Park High School.
Sigma Kappa Delta; Phi Lambda Upsilon.
Glee Club, 3, 4.
A. Ch. E. S., 3, 4.

We will be greatly disappointed if some day we don't find Elmer an alderman of his ward, or holding some office that will do credit to his rotundity. Elmer has to laugh just once in one's presence and one will never forget him. Always doing his best and making it count, Elmer has carved the proverbial niche for himself at Armour. We are glad to be Elmer's friends, and further, when we look at him we decide that it would not be very wise to have a disagreement with him.





LEONARD EMIL ERLANDSON

Chicago, June 1, 1896.
Chemical Engineering.
A. Ch. E. S.

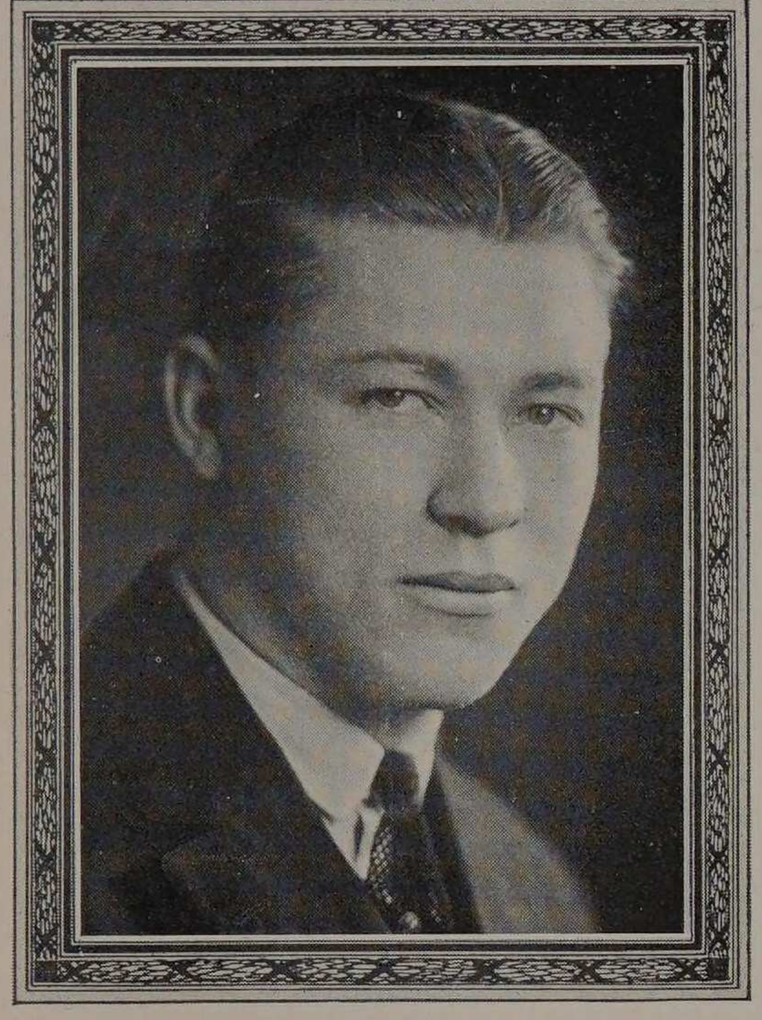
One's impression of L. E. is that of a mild and kindly nature. And one is not at all disappointed. Tinged slightly with a pleasing gravity, Erlandson looks at the world with a tolerance and understanding. One thing L. E. is not—he is not a he vamp. He treats the gentler sex with his customary politeness and tolerance. Girls, he is a most desirable type for a husband, yet very diffiicult to impress. You must be an artist. Somewhat quiet, always ready to help; we are very happy to have him as a friend.

HYMAN H. GERSTEIN

New York, N. Y., December 24, 1900.
Chemical Engineering.
Lane Tech. High School.
Rho Delta Rho; A. Ch. E. S.
Y. M. C. A.
Interclass Basketball, '21.

See whether he has it on or not. Hyman is one of those fellows who looks well with a mustache, although one is not necessary to make him look that way. Hyman does not force himself on one's mind's eye but he is good to look at and congenial to talk with. Knowing him from his high school days up, we will say that he is a steady, dependable person. It is very desirable to be his friend.





GORDON ALEXANDER GILBERTSON

March 5, 1901.

1909 North Crawford Avenue, Chicago, Ill.

Lane Tech.

Phi Lambda Upsilon; Honor "A"; A. Ch. E. S.; A. Ch. S.; Vice-President Y. M. C. A., '20; President Y. M. C. A., '20-'21; President "A" Society, '22; Board of Athletic Control, '22; Interclass Baseball, '19; Varsity Baseball, '20-21-22; Chairman, Publicity Committee, Armour Tech. Athletic Association.

Just look at Gill and you will believe the following statement. Gilbert is forceful and aggressive and has worked hard both in and out of school. As one of our Varsity pitchers Gill can't be beat as some of the teams we have played will tell you.

In his senior year, Gill did a great deal toward "putting 'Tech' on the map," being the official dopester for the Chicago papers as well as some prep school publications. We vote him quite some scoop reporter.

WALLACE TAYLOR GRAY

Milwaukee, Wisconsin, June 6, 1901.

Chemical Engineering.

Austin High School.

Delta Tau Delta; Phi Lambda Upsilon.

A. Ch. E. S.

Freshman and Sophomore Social Committees.

Junior Marshal.

True to the traditions of the Delts, Wallace parts his hair in the middle. But that is nothing against him, as a survey of his record in school will show. It has been one of Wallace's ambitions to operate a big paper-mill. Well, here's to Wallace and may we some day find the paper we write on possesses the "W. Gray" stamp. Do you want a dancing teacher? Here is your man. Wallace is a master of this intricate art, which by no means keeps him from getting high grades in his school work.





CLARENCE A. HERBST

Born April 2, 1900, Chicago, Illinois.

Lake View High School.

Chemical Engineering.

Sigma Kappa Delta; A. Ch. E. S. Sergeant-at Arms, 1919-20, Social Committee, 1920-21; Glee Club, 1920-21; Secretary, 1921-22; Cycle Departmental Editor, 1920-21.

No use, girls, Clarence is "hooked." You would not imagine that such a person would be permitted to run around loose very long by the fair sex. Let that rest, however. We brighten up perceptibly when we espie Clarence's tallness approaching us; we have learned to expect his charming wit and bright humor. When Clarence pulls off something particularly clever and looks at you from the corner of his laughing eyes, you cannot help liking him. Clarence is an avid worker and holds up his end of the Herbst combination. Combination is a poor word because their work is entirely individual.

HENRY WILLIAM HERBST

Born April 5, 1902, Chicago, Illinois.

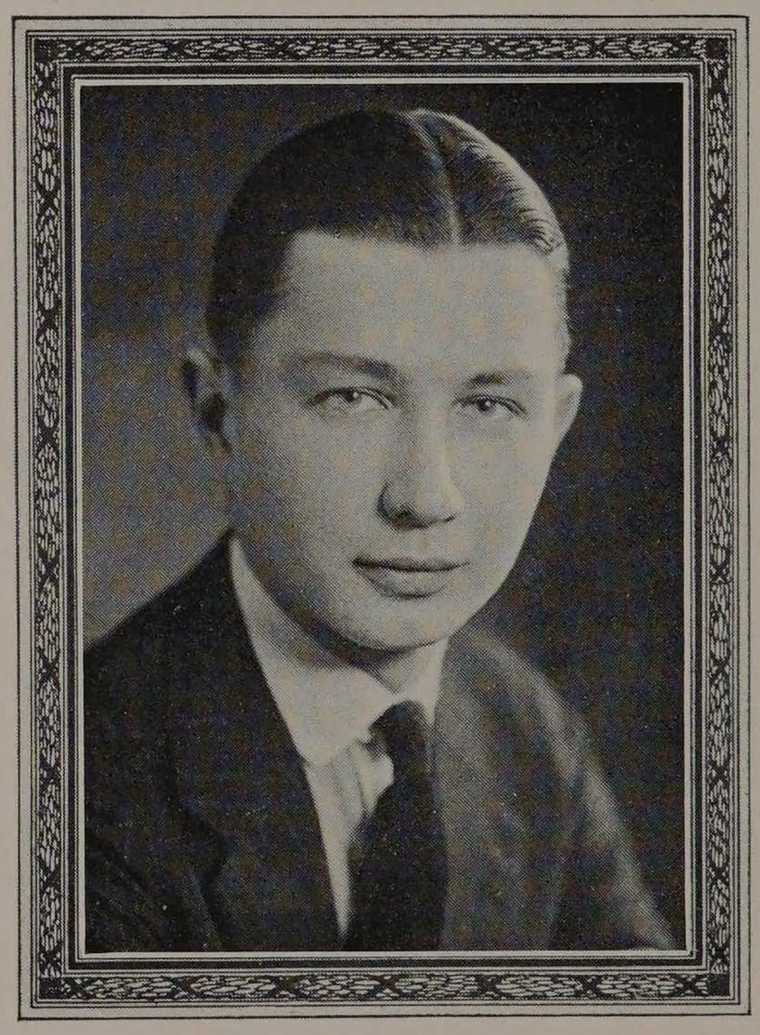
Lake View High School.

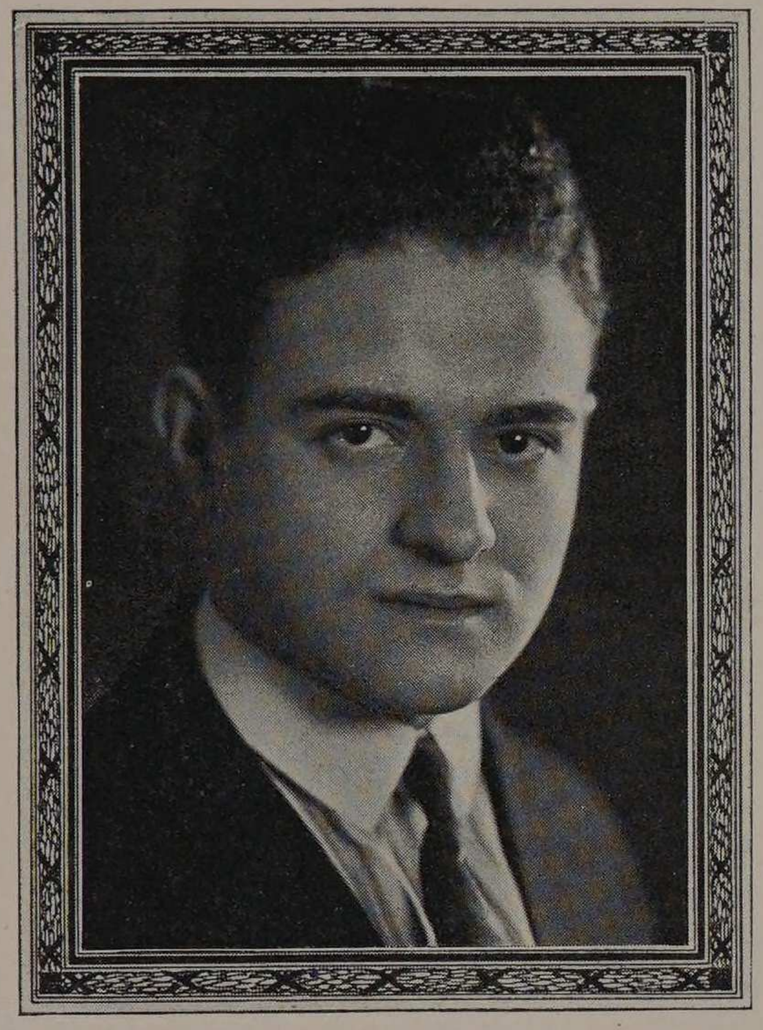
Chemical Engineering.

Sigma Kappa Delta; Tau Beta Pi; Phi Lambda Upsilon.

Treasurer 1918-19; Picture Committee, 1921-22; Interclass Basketball, 1919-22.

Without much exertion Henry seems to wade through the most difficult problems and abstract theories and get his answers correct every time. One of Henry's qualities which is rare in a college student is that of doing his work at once and not letting it drag. His duties in school do not prevent Henry from studying his violin, which he plays exceedingly well. With his brother Clarence to accompany him on the piano, and Henry on the violin, I'll wager the Herbst family does not starve for lack of good music.





MAX H. MARINE

Born June 6, 1903, Cadillac, Michigan.
Chemical Engineering.
Waller High School.
A. Ch. E. S.

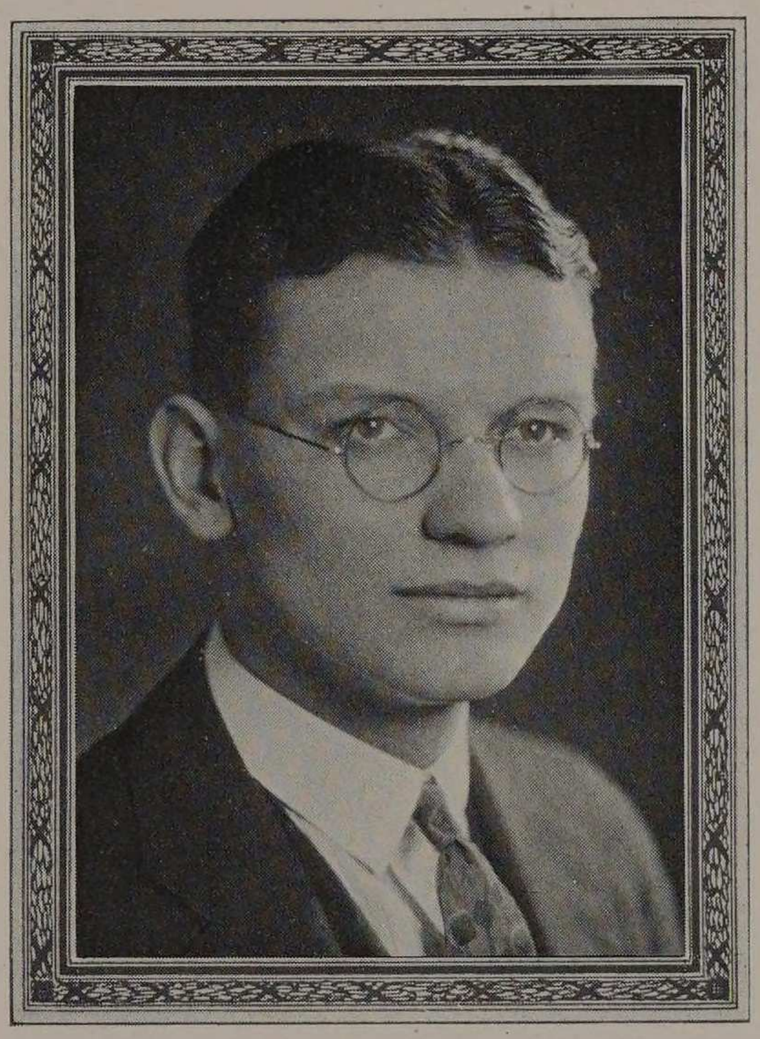
Max is the youthful professor in our group. He has been chosen to assist Professor Freud in his organic laboratory. Max's memory is remarkable. When some professor asks a question about previous work which most of us have forgotten, Max is sure to be there with an answer. Besides, who is our metallurgy genius? Ask that of any senior chemical.

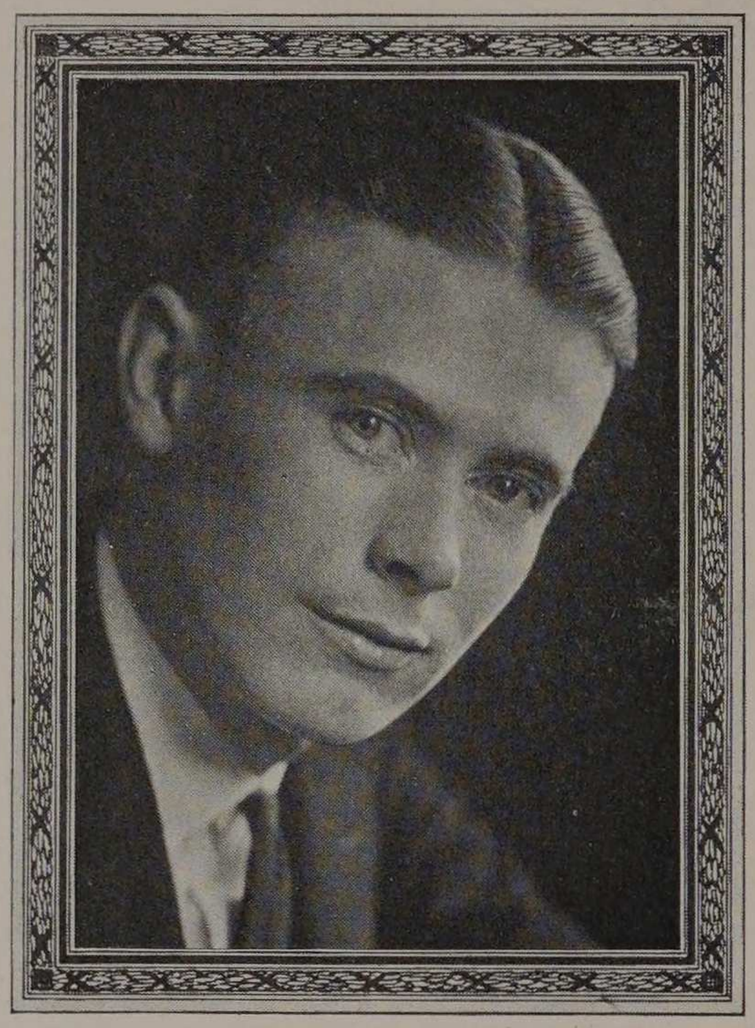
BRUNO ZIGMUNT NOWAKOWSKI

Born in Zyrardow, Poland.
Chemical Engineering.
Lane Technical.
Assistant Editor Cycle, 1921; Treasurer, A. Ch. E. S., 1922. Glee Club, 1920-21; Mandolin Club, 1920-21.

"Bieze," "Count von Babo," "Noah," are some of the titles that Nowakowski possesses, not to mention the fact that he is sometimes dubbed the chief philosopher of the class. Notwithstanding this heavy handicap, Bruno has managed to tread his way through four years of the Chemical course at Armour, and to have gained the distinction of breaking more glassware than any of his classmates. He is as thoroughly an American as anyone of foreign extraction can be, and he also is the idealist which one would assume a person of his race would be.

If you ever enter the Chemical laboratory and hear a peculiar noise which might be intended for singing, you may be sure that "Noah" is close by.





JOHN WARREN MCCAFFREY

May 12, 1900.
St. Cyril Academy.
Chemical Engineering.
Phi Lambda Upsilon; Tau Beta Pi; Sphinx; Scroll & Triangle.
A. Ch. S.; A. Ch. E. S.; Y. M. C. A.; Radio Club; The Round Table; Mathematical Society; Glee Club, 1919 to 1922.

President Senior Class; President Phi Lambda Upsilon, 1921-22; President Sphinx, 1920-21-22; President Armour Chemical Society, 1921-22; Secretary Scroll & Triangle 1921-22; Treasurer Armour Tech Musical Clubs, 1921-22; Vice-President Armour Chemical Engineering Society, 1920-21; Treasurer Sophomore Class, 1919-20; Editor-in-chief Cycle, 1920-21; Associate Editor Bent, Tau Beta Pi, 1922; Member of Managing Committee of Armour Tech Athletic Assn., 1921-22.

Intercollegiate (varsity) Basketball, 1919-20; Intercollegiate (varsity) Baseball, 1920-22; Interclass Basketball, 1918-19-20-21. Captain of the team, 1921. Interclass Baseball, 1919-20-22; Interclass Indoor Baseball, 1919-20-21.

Outside of being president of the graduating class and of every conceivable organization that it is possible to be president of, Warren has nothing to do. Oh yes, we forgot to mention that besides his usual course, which is quite heavy, he has chosen to take up a number of electives to ease his work along (?) With his most engaging personality and straightforwardness, he has won a high place in the hearts of his classmates.



BERNARD ROSENZWEIG

Born October 14, 1899, Chicago, Illinois.
Chemical Engineering.
Englewood High School.
Phi Lambda Upsilon; A. Ch. E. S.

Rosy is just Rosy. One cannot pick out any particular quality which would characterize him, and yet one has to see him just once to like him immensely. He is full of good humor and hard work. He possesses a great deal of that rare thing, "common sense," and that is one of the qualities that has helped him progress.



SAMUEL SILVERBERG

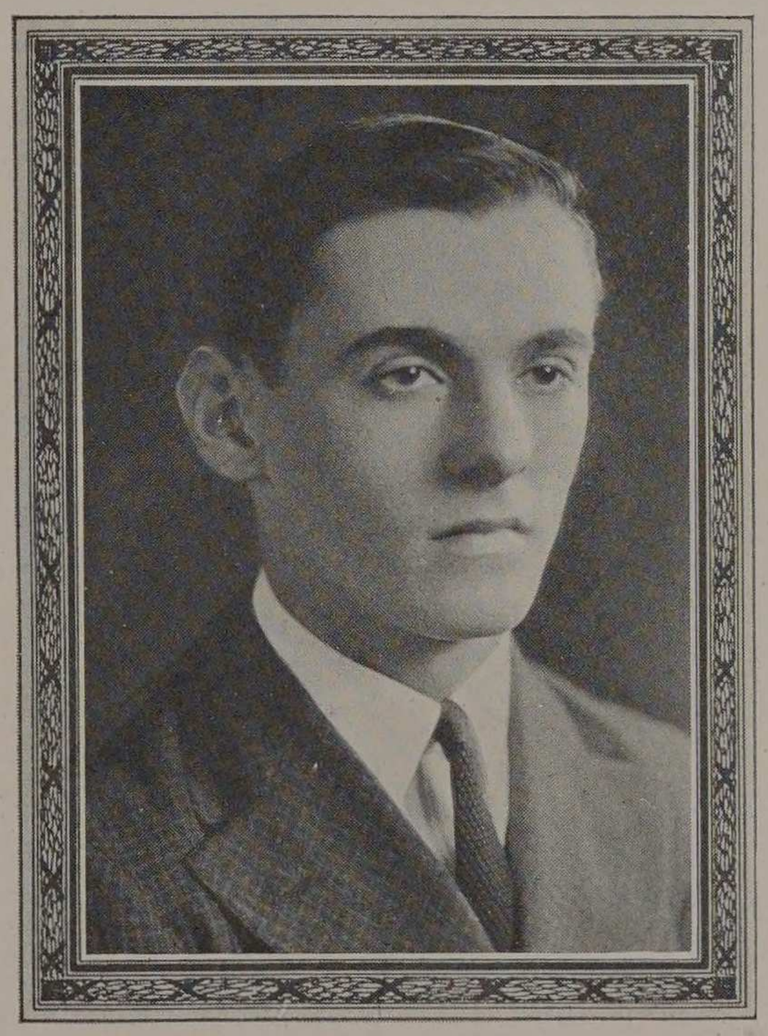
Russia, January 25, 1892.
Hoffman Prep School, Chicago.
Lane Tech High School and Junior College.
A. Ch. E. S.

If you have an ambition to some day dig around musty parchments for historical knowledge, first take a few courses with Silverberg in Hebrew. He is self-supporting and part of his income he gleans from teaching this difficult language. Being more mature in years than his classmates, Silverberg's judgment is often sought. Ask him how to make soap. Professor McCormack still cherishes a few samples of a product that was made by Silverberg.

ELI SLOBOD

Russia, December 16, 1900.
Chemical Engineering.
Carl Shurz High School.
A. Ch. E. S.

Slobod is "Noah's" only rival for the honors of philosophy. When one gets into a controversy with Eli there is no end of "ologies" quoted and one is completely swamped. Eli is an efficient and hard worker. If his viewpoint on some things of life is a trifle cynical we will forgive him as that is a privilege of a philosopher.



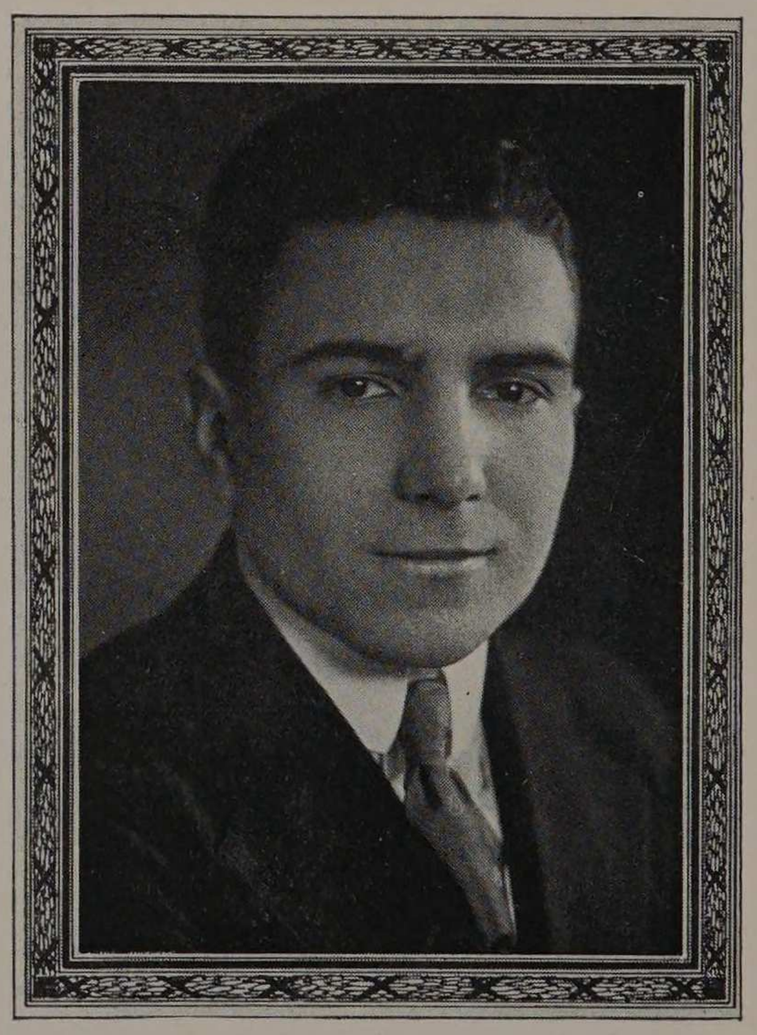


LOUIS A. SPIELMAN

Russia, December 9, 1897.
Chemical Engineering.
Lane Tech and Junior College.
A. Ch. E. S.

Where there is Spielman, there is Slobod, and where there is Slobod there is Spielman. These two are almost inseparable. Spielman is always full of humor, some of which Slobod has to bear with stoic endurance. Besides, Spielman is a very bright chap as his report will bear witness, being generously sprinkled with A's and B's.

B. S. IN A.



HARRY KURT BIEG

Architectural Engineering.
Born March 19, 1900, Etlingen, Germany.
Lane Tech High School.
A. A. S.; 2nd Medal in Beaux-Arts Institute.
Made course in 3½ years.

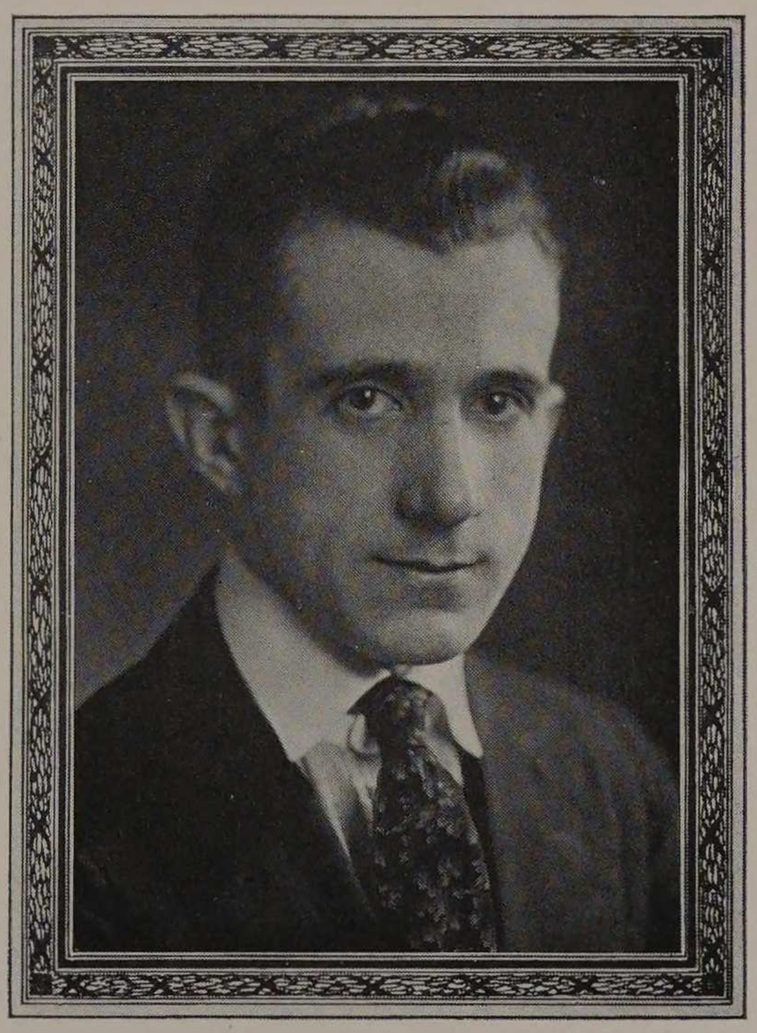


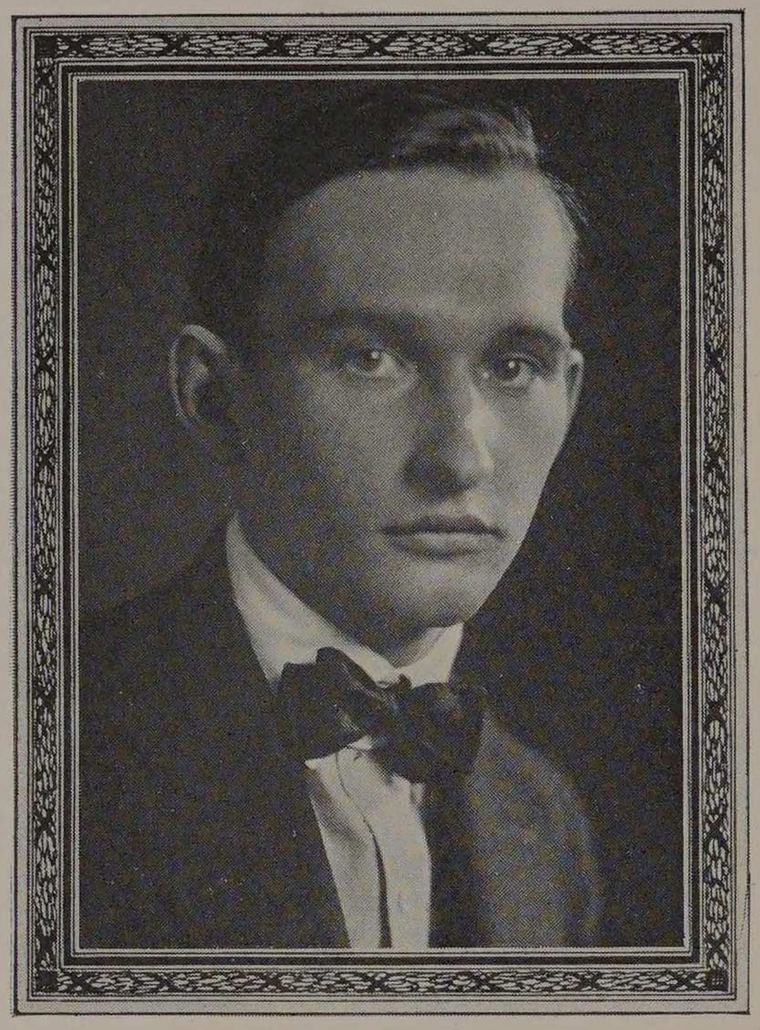
FRANK WILLIAM CAULEY

August 25, 1898, Chicago, Illinois.
Nicholas Senn High School.
A. A. S. Massier, 1921-22; Scarab.

OTTO FRANK CERNY

1904 South 59th Court, Cicero, Illinois.
Born June 1, 1898, Vienna, Austria.
Harrison Technical High School.
Attended Crane Junior College; University of Illinois.
Sigma Zeta Phi; A. A. S. Architectural Department.



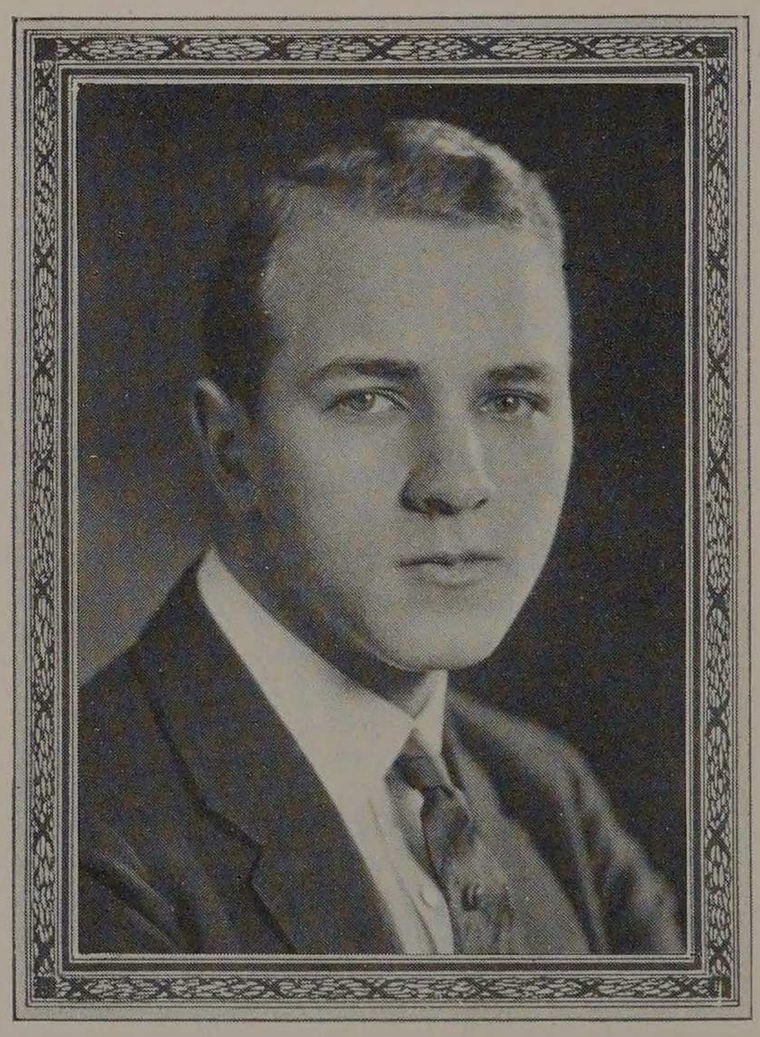


JOHN J. DEMUTH

3509 Janssen Ave., Chicago, Nov. 3, 1899.
Lake View High School.
Theta Xi; Scarab.
Armour Architectural Association.

WILLIAM L. DALRYMPLE

Philadelphia, Pennsylvania, March 27, 1900.
Senn High School, 1918.
Department of Architecture.
Theta Xi; Scarab; Armour Architectural Society.





WILLIAM JOSEPH MCCORMACK

Born June 22, 1890, Boston Massachusetts.

Everett High School.

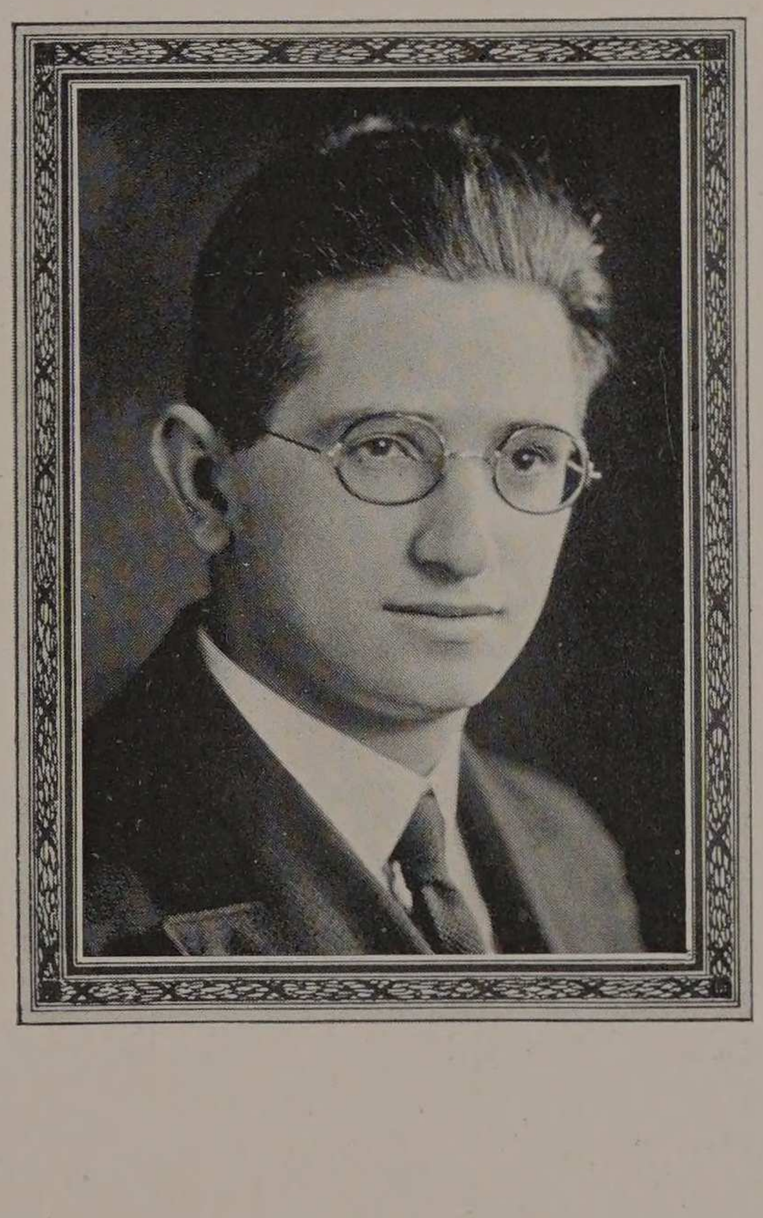
Mark Hopkins Institute of Art, San Francisco.

Entered A. I. T. 1916, left in Junior year; acted as Superintendent of Construction U. S. Govt. on U. S. S. P. Railroad No. 1, during war; returned to A. I. T. 1921.

Sigma Kappa Delta; Scarab; A. A. S.; Sophomore Vice-President; Junior Social Committee; Glee Club.

Architectural Dept.

For some reason or other it seems that the qualities necessary in the general make-up of a true and successful architect have found their home in a no less personage than that of McCormack—otherwise known as "Mac." The rare combination of unusual artistic ability, combined with his pleasing personality, ever welcome smile and keen sense of humor, have made for him a host of friends. Mac's hobby is making his forehead do the "shimmy" which we take as an indication of deep concentration.



GUY RABITO

Born Sept. 18, 1897, Santa Croce, Italy.

Department of Architecture.

Treasurer Architectural Atelier, 1921-22.



WALLACE FRANKLIN YERKES

Born Nov. 6, 1900, Mattoon, Ill.
High School, Helena, Montana.
Theta Xi; Scarab; A. A. S.
Architectural Dept.

THEODORUS M. HOFMEESTER, JR.

Born Nov. 26, 1897, Amsterdam, Netherland.
Lane Technical High School, June, 1917.
Scarab; Massier Armour Architectural Society, 1920-21; Art Editor of Cycle, 1919-20.

EDMUND JAMES RYAN

Born Feb. 14, 1896, Chateaugay, N. Y.
Armour Architectural Club.
Lane Technical High School.
63rd Field Artillery, '18-19.

GEORGE D. CONNER

Architectural Engineering.

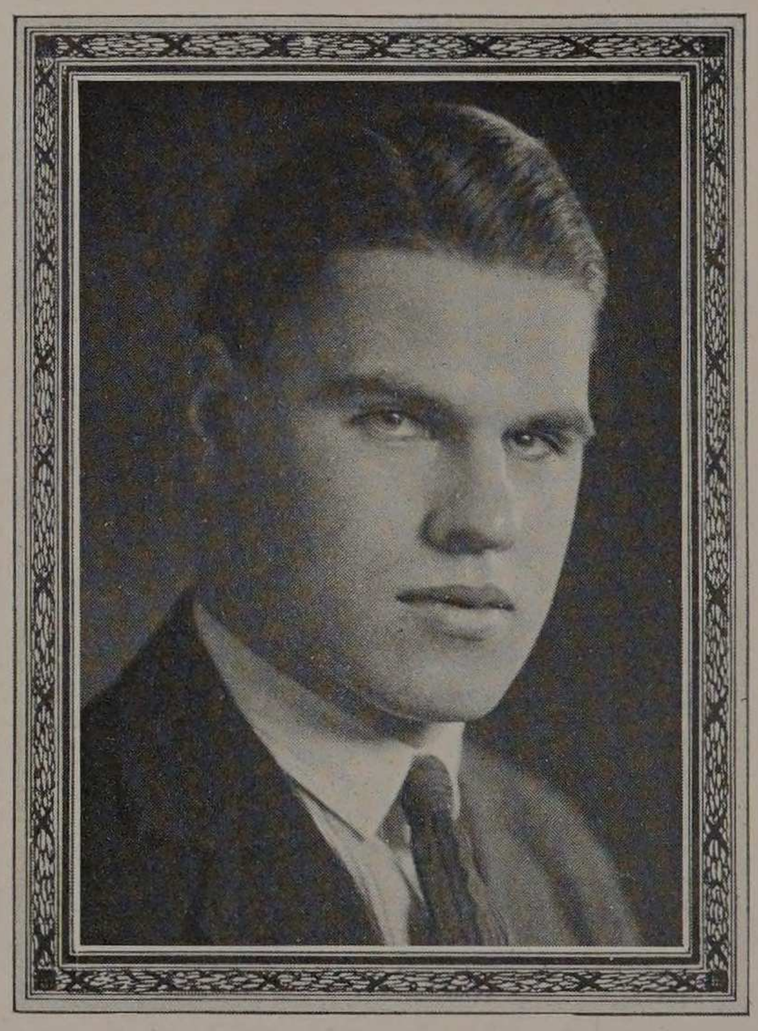
IRVINE HOLTMAN
Architectural Engineering.

B. S. IN F. P. E.

ROBERT REGINALD MAGUIRE

Born July 6, 1899.
Hyde Park High School.
Delta Tau Delta; Fire Protection Engineering Society; Chairman Freshman Social Committee; Vice-President Sophomore Class; Chairman Junior Social Committee; Chairman Junior Prom Committee; Chairman of Arrangements, '21; Secretary, 1922; Senior Picture Committee.

We would tell you a great deal about Mac but space does not permit. Any man who goes eight hours to school and works an equal amount at night is then and there to be commended. Outside his school work and his night work, Mac finds time to perform numerous social duties as is evidenced by the list above. We experience great pleasure in listening to Mac tell one of his stories in true, rambling Maguire style. Maguire is one of the three graduating Fire Protects, and his two mates are proud of the fact.





WILLARD W. OAKE

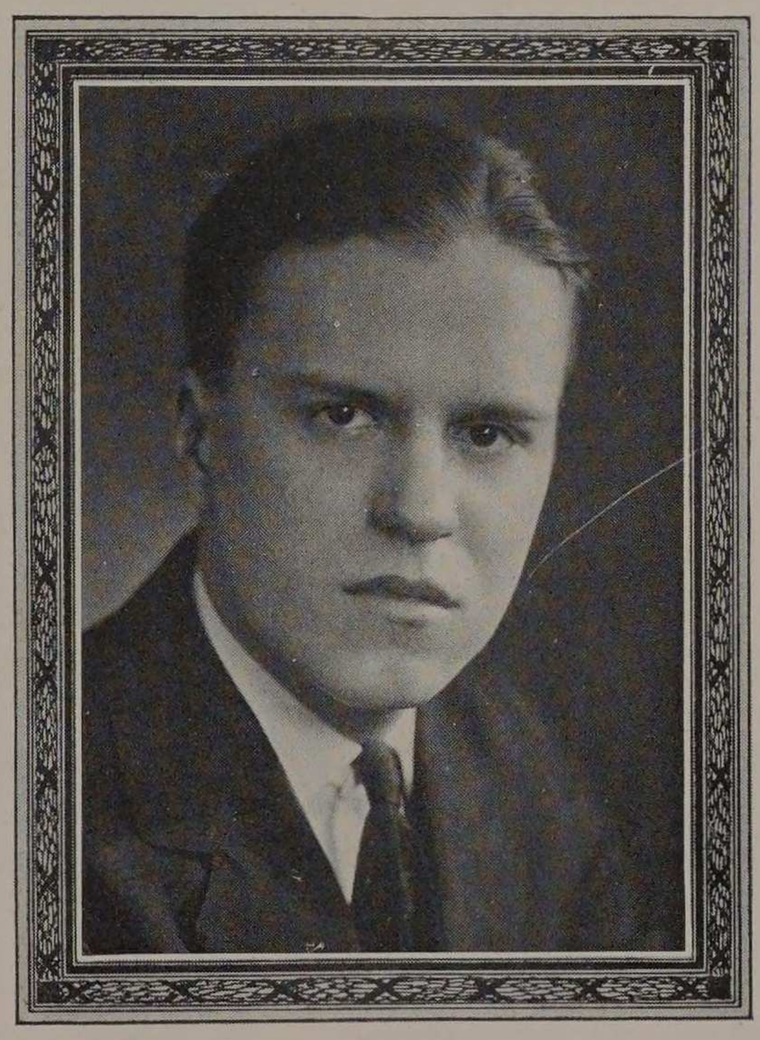
Born Feb. 24, 1900, Chicago, Ill.
Fire Protection Engineering.
Austin High School.
F. P. E. S.; President, 1920-21; Treasurer, 1921-22.

One thing you cannot do with Willard, you cannot hurry him. Whether it be to lunch or to class, Willard insists on taking it leisurely. Do you want information on how to invest your money in the best way possible? See Oake. His hobby is studying the stock market, not to mention automobiles, literature and art. Surprising when you look at him. We can see where he may be capable of common sense about money matters, but as for the so-called higher things of life, we don't know where he gets it.

JOHN WILLIAM RODDICK

Born 1900, Chicago, Ill.
Fire Protection Engineering.
John Marshall High School.
Theta Xi; F. P. E. S.; Secretary, '20-21; President, '21-22.

To us, John's slimness and gracefulness portrays the typical American youth. Good looking, always wearing his clothes well, John makes one feel that he just stepped out of a fashion plate. The foregoing are not John's prize qualities by a long shot. He is an amiable person, and possesses a keen intelligence which he is loathe to exercise sometimes. One of John's bad habits is that he is driving nails into the proverbial coffin faster than most of his contemporaries. We believe his brand is Camels.



Standing here in the present
I gaze o'er bygone years
Ranged behind as mileposts,
Marked with hopes and fears.

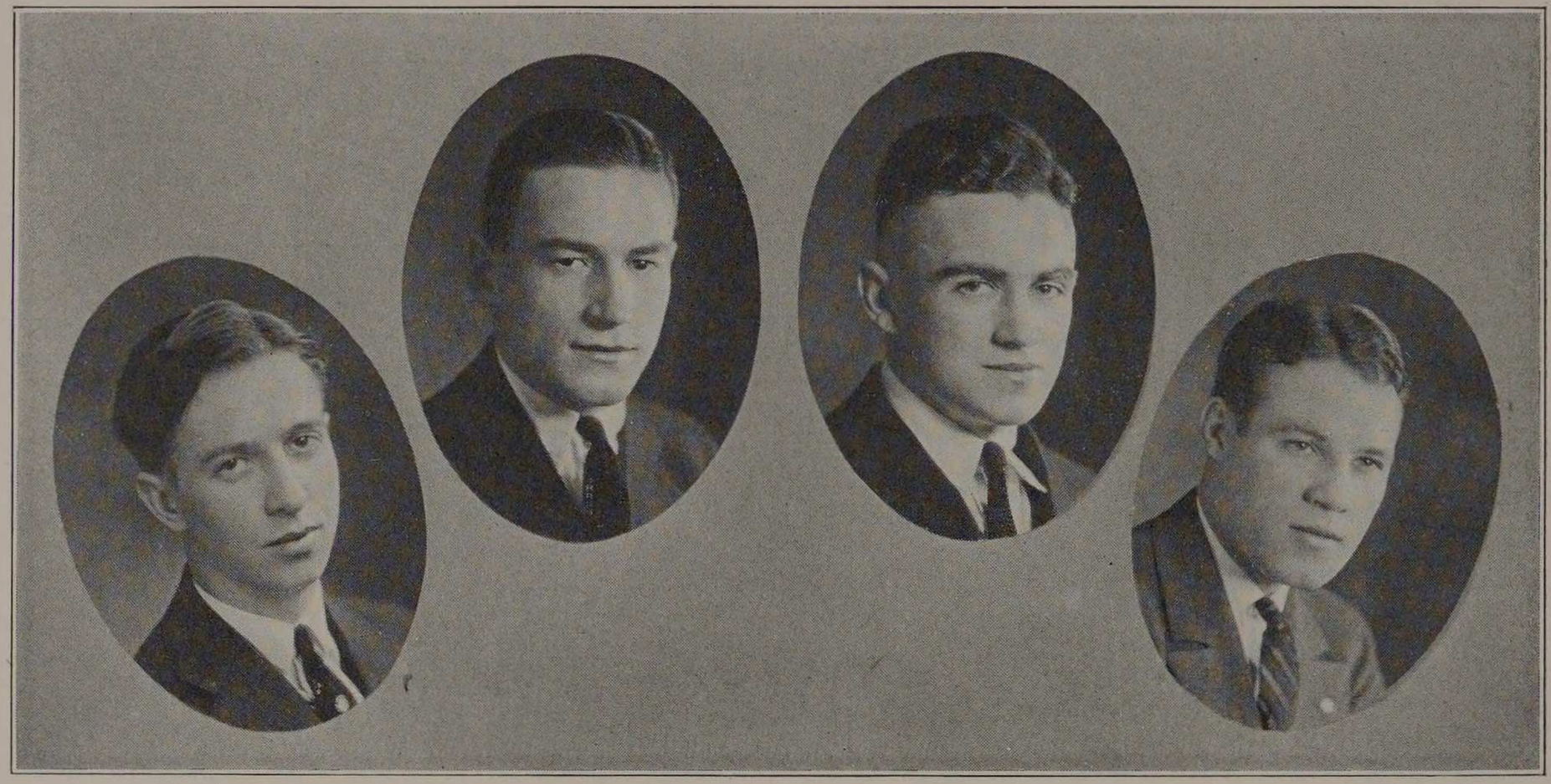
Each brought some little wisdom,
Past conduct seems so strange,
Judged by present standards—
Experience wrought the change.

How much there is to find
And yet how little found
For the circle of light increasing
Does greater darkness bound.

And I know that present conduct
Observed by future eyes,
When the years have slipped behind me,
Will seem as much unwise.



JUNIORS



Officers of the Junior Class

D. E. RUTISHAUSER..... .....*President*

W. A. O'BRIEN.....*Vice-President*

F. E. SLOAN.....*Secretary*

C. W. HAUTH.....*Treasurer*

D. C. COLBY.....*Sergeant-at-Arms*

G. N. SCHUMACHER.....*Athletic Representative*

JUNIOR CLASS HISTORY

Back in the month of September in the year Nineteen Hundred Nineteen, the good ship '23 set her sails to the winds and started out on a four year voyage. Although she was but a new craft and manned with about two hundred and fifty young upstarts who were looking for new worlds to conquer, she finished the first year of her trip in fine shape, the members of her crew capturing the pennant for the Inter-Class Indoor Baseball Tournament and placing men on both the Varsity squads—basketball and baseball.

Starting out for the second lap of the cruise with somewhat lighter load than on her initial trip, she came out well near the lead, finishing the Inter-Class Basketball Tournament in a close tie with the Juniors and Freshmen and placing four men on the Varsity basketball and baseball teams. In the Circus Day sack-rush, which was the battle royal between old "1923" and "1924," the former ship, keeping right up to tradition, bombarded with all that was in her and added another flag to her trophies.

With the word "Junior," when applied to that third year of learning, comes the thought of many duties and responsibilities to be assumed and carried on from where they were left by those who have preceded, together with a goodly number of pleasures to be enjoyed.

This year we have tried to keep up our end of things to the best of our ability, along all lines of athletic, scholastic, and social interest and truly believe that our efforts have not been altogether in vain. The Inter-Class baseball championship again came to our camp, as in 1921, and many Juniors were on the Varsity squad, which was captained by a '23 man, as was the Varsity basketball squad.

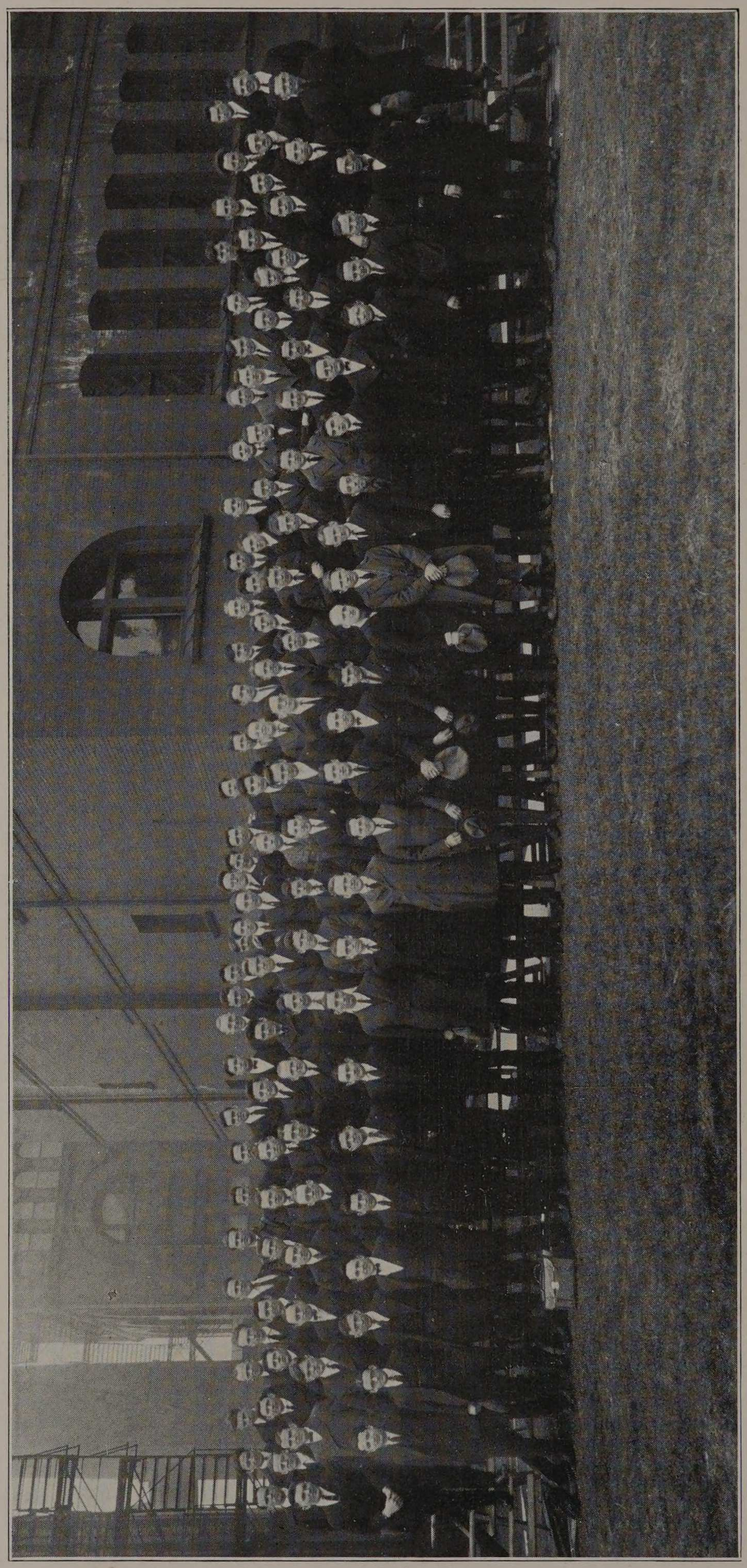
Deciding that the classes as a whole needed a little diversion from the regular grind of school work, the Junior class sponsored the first Frosh Frolic at the Institute on the night of December 7th, under the direct supervision of a Junior. The least that was said was that it was a BIG success, and Dean Raymond assured us that it would be made an annual event.

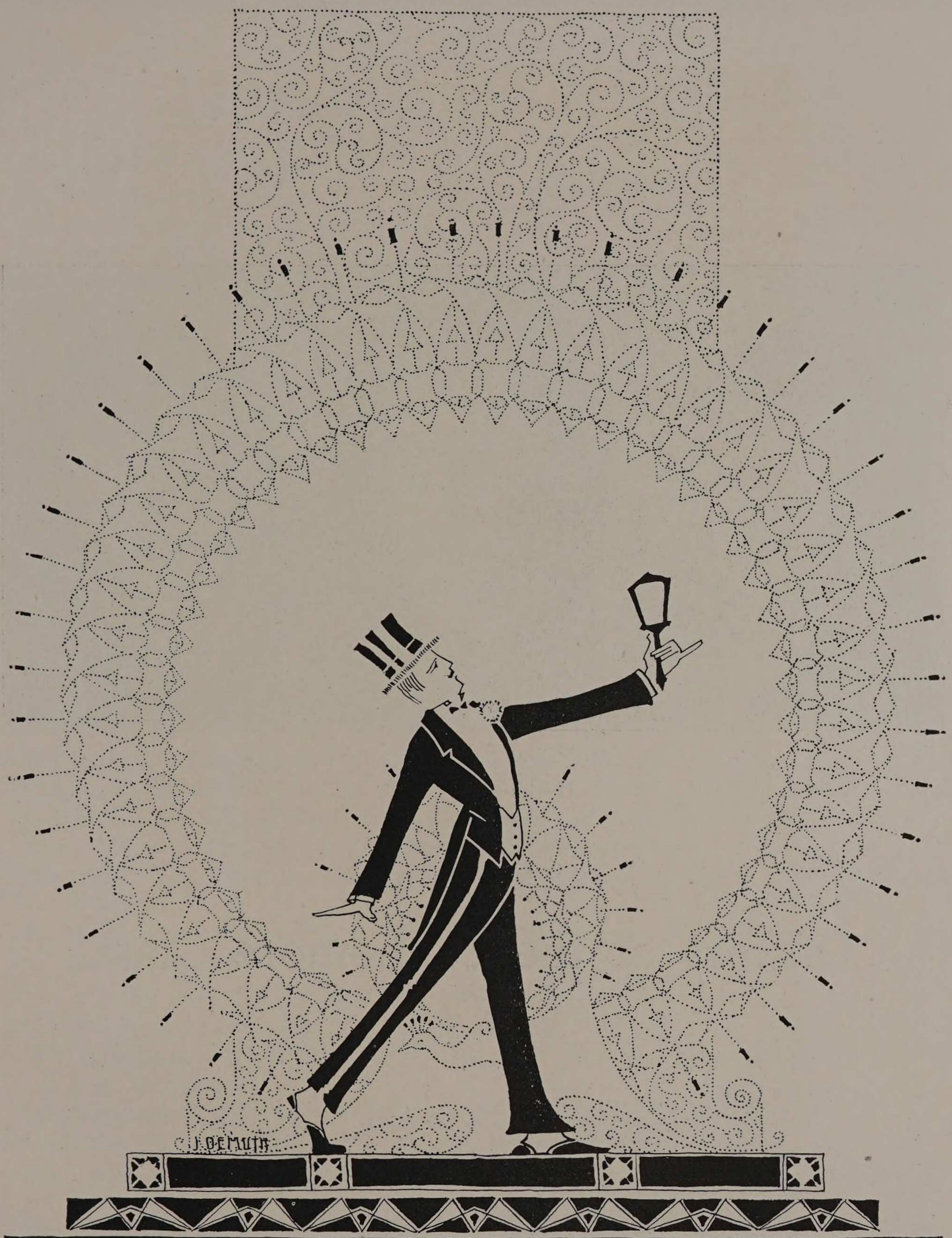
Another mark that was made in the history of the Institute as well as in that of the class, was the organization of the Armour Tech Athletic Association, organized to further and foster all Tech activities. Although yet in the embryo, much progress was made during the year, and her influences were felt and appreciated by many student undertakings.

The Junior Prom, held at the Blackstone on the 12th of May, was a mighty fine party and everyone who attended had a wonderful time.

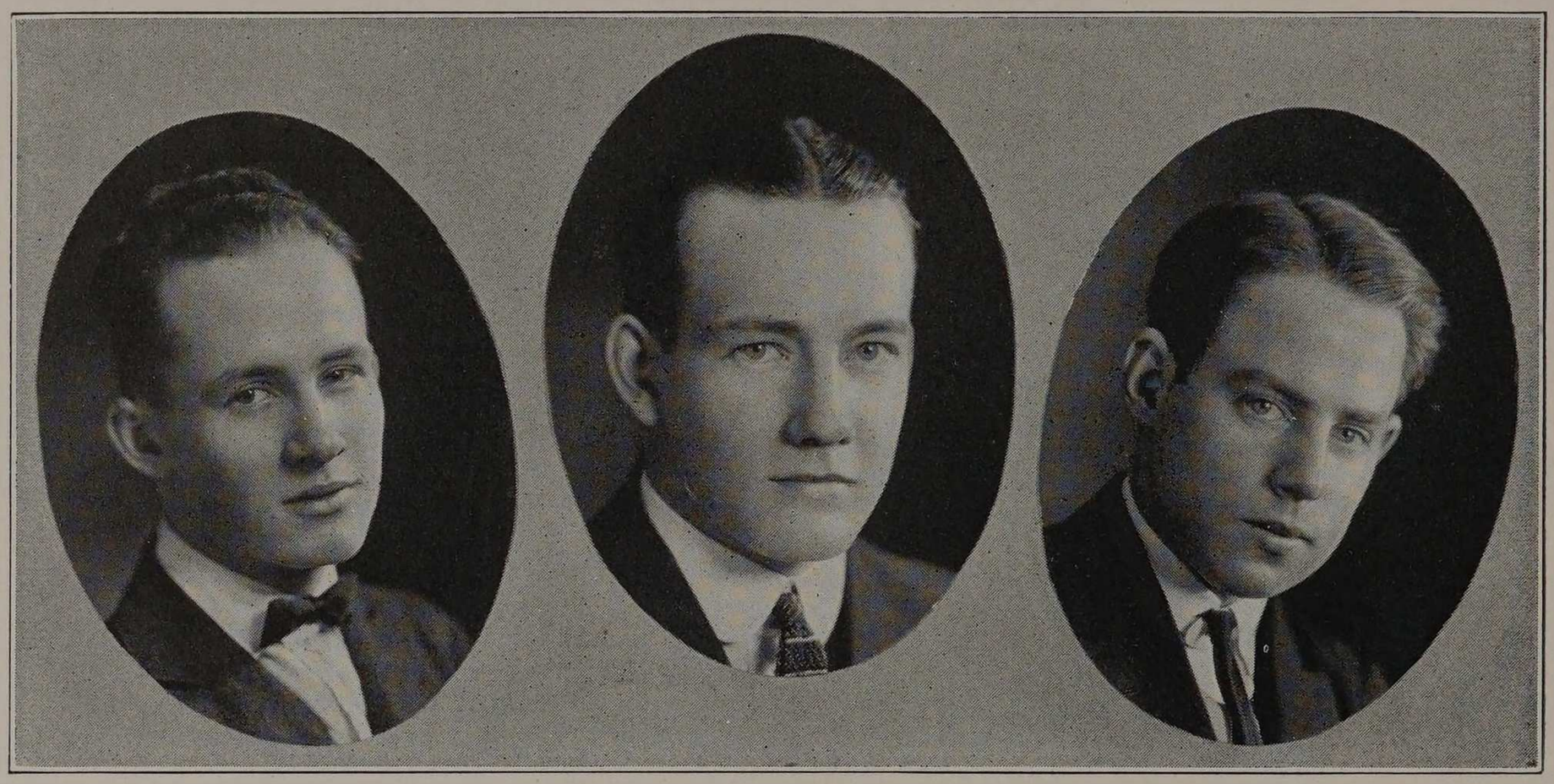
And so our Junior year comes to a close, thus ending the third lap for the sturdy old ship '23, with but a single mile post yet to pass, before our voyage in this sea of learning is ended.

We finish the year, not at all self-satisfied with what we have done during our three years at the Institute, for it has probably been no different than has been done by the many classes which have preceded us—only our best; but hope that our strides have been along the right paths, and that we may finish next year with a record, which will be creditable not only to our class but to our Alma Mater.





SOPHOMORES



Officers of the Sophomore Class

O. M. SPAID.....*President*

J. S. FARRELL.....*Vice-President*

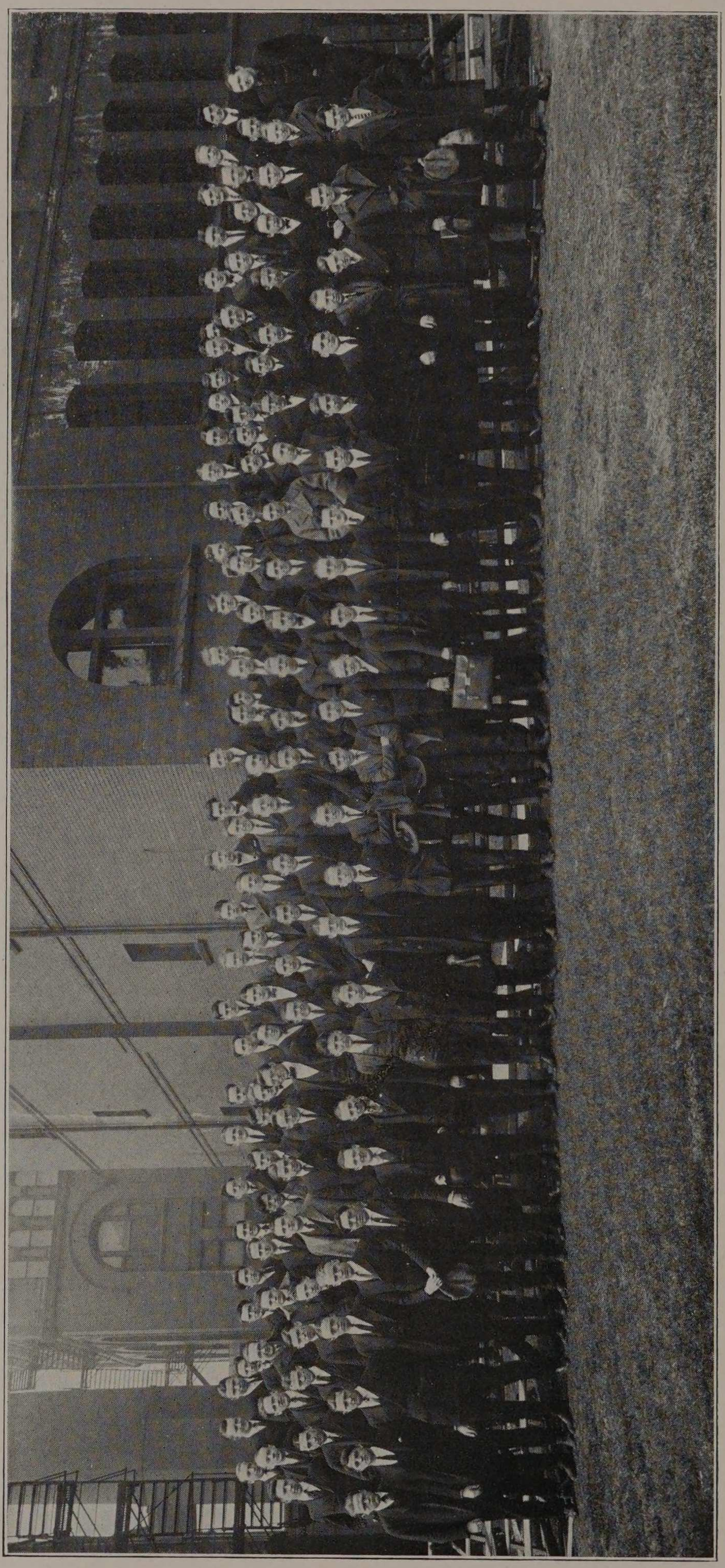
E. O. PIERCE.....*Secretary*

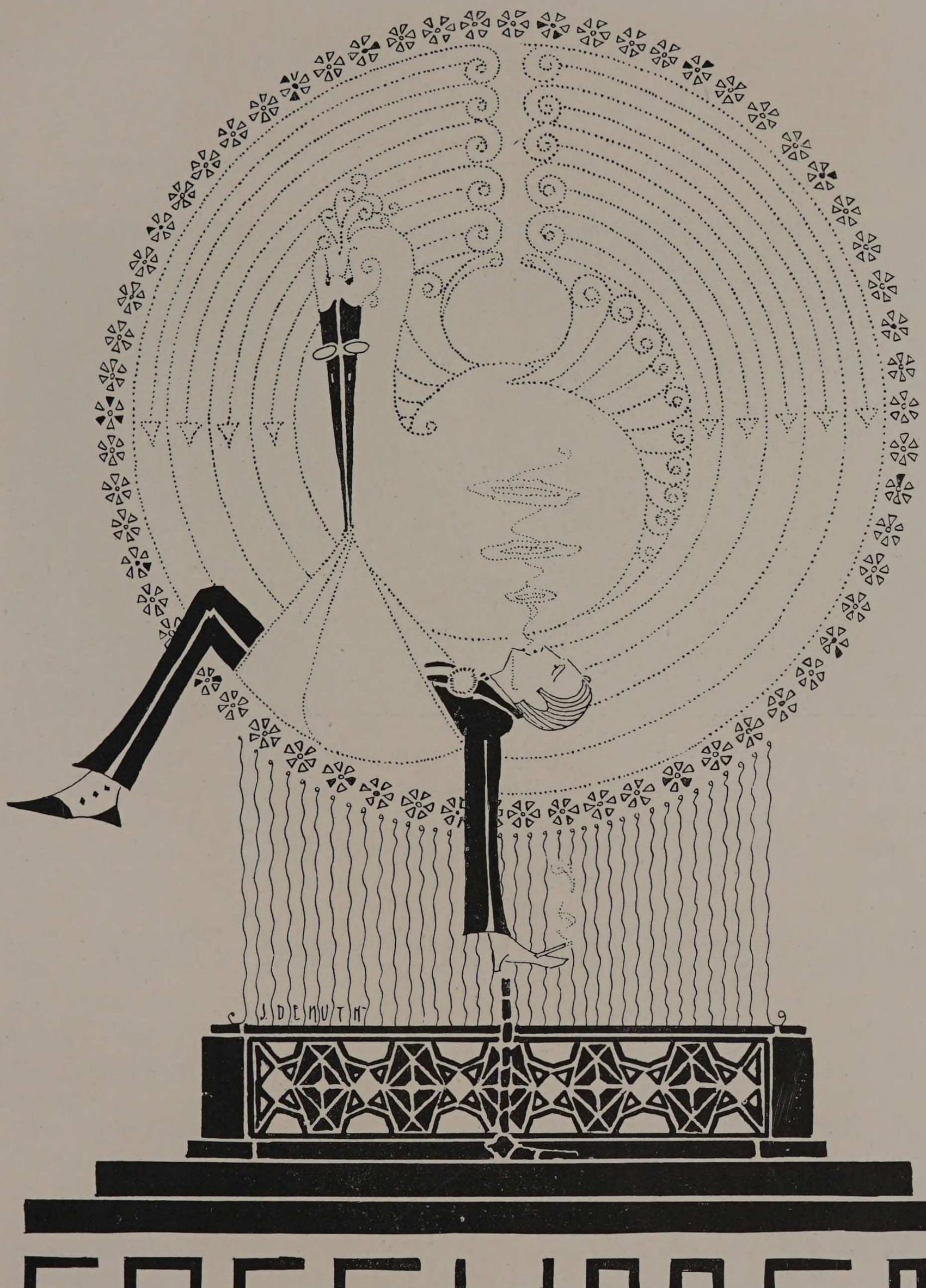
N. B. OLSON.....*Treasurer*

G. P. RUDDIMAN.....*Athletic Representative*

SOPHOMORE HISTORY

We are the Class of 1924.
We are the Sophomores.
We are the Freshmen of yesterday.
We are the Juniors of tomorrow.
We are the Seniors sometime.
We hold that all men are created equal—except the Sophomores.
We are what we are by divine right—the divine right of those who passed us last year.
We stand for three things—Supremacy, Superiority, and the Star Spangled Bannner.
We are supposed to have a history—we have none, for history is dead, and we are not dead.
We hold ourselves guiltless of our past—we were Freshmen before we knew it.
We had an unlucky start—the first day in class was the 13th.
We have soared to great heights—we are now privileged to occupy the balcony instead of the main floor at assemblies.
We have class spirit—and it's not a ghost, either.
We wanted to cap the Freshmen—we capped the climax by trying to get permission to do it.
We have made an enviable record in athletics.
We hold the championship in interscholastic basketball.
We have eight good reasons for being proud of our team—Gardner, Spaid, McLaren, Ciha, Zaleweski, Olsen, Farrell, and Ruddiman.
We have more than just a good team—we had good subs.
We have four men on the Varsity team—McLaren, Spaid, Witashkis, and Farrell.
We hope that other forms of class athletics will be adopted—so we can win them, too.
We did not hold a dance last year—that was unavoidable.
We did hold a dance this year—that was unforgettable.
We held it at the La Salle, February 17th—and saw what the other fellow's girl looked like.
We have raised the price of tuition and Spaid to the Presidency.
We have the best indication of prosperity—a smiling treasurer.
We have more votes than we can count—when two hundred ballots are received from one hundred and twenty voters.
We possess—the noisiest architects, the most breakable chems, the most sparkling elecs, the most uncivil civs, the most mechanical mechs, and the only co-ed on the campus.
We have accomplished much—and failed less.
We have high aspirations—next year we can use the elevator.
We have only two regrets—the Juniors don't appreciate us, and the Seniors won't stand for us.
We hope to live long—long enough to graduate.





FRESHMEN



Officers of the Freshman Class

S. L. CARTWRIGHT.....*President*

H. P. WHITEHILL.....*Secretary*

C. A. OLSEN.....*Treasurer*

C. C. KRUSE.....*Cycle Representative*

M. H. WESTERBERG.....*Athletic Representative*

THE ACTIVITIES OF THE FRESHMAN CLASS

September twelfth, nineteen twenty-one, was the date on which some two hundred twenty-five young men embarked upon their college career. Embarked—because a few days at Armour put most of them at sea. Though time pressed with thoughts of "descript" and "college algebra," the members of the class organized early, electing S. L. Cartwright President, Joseph H. Wynn Vice-President, Harry P. Whitehill Secretary, Carl Olsen Treasurer, and Milton Westerberg Athletic Representative.

Soon after the class was organized, the Freshmen put in their bid for the Inter-Class Indoor Baseball championship, with a snappy though hastily organized team. Having but little practice they met the Juniors, Seniors and Sophomores, but due to the organization of the older classes, the Freshmen had to content themselves with the small end of the scores.

During the baseball season, the Freshman Handshake was held at the Hyde Park Y. M. C. A. A fine program was presented consisting of The Antics of Sailor Scotty, the boy who "grose," a talk by Dr. Scherger, on the Y. M. C. A., short talks by the representatives of the Armour Engineer and Cycle, and a description of the A. I. T. Clubs by E. Walter Geisler. Floyd Brown of the Freshman Class gave an exhibition of modern mysticism and Blausfuss' orchestra entertained with high class jazz music. Refreshments were served and the pleasant evening was concluded with a game of basketball.

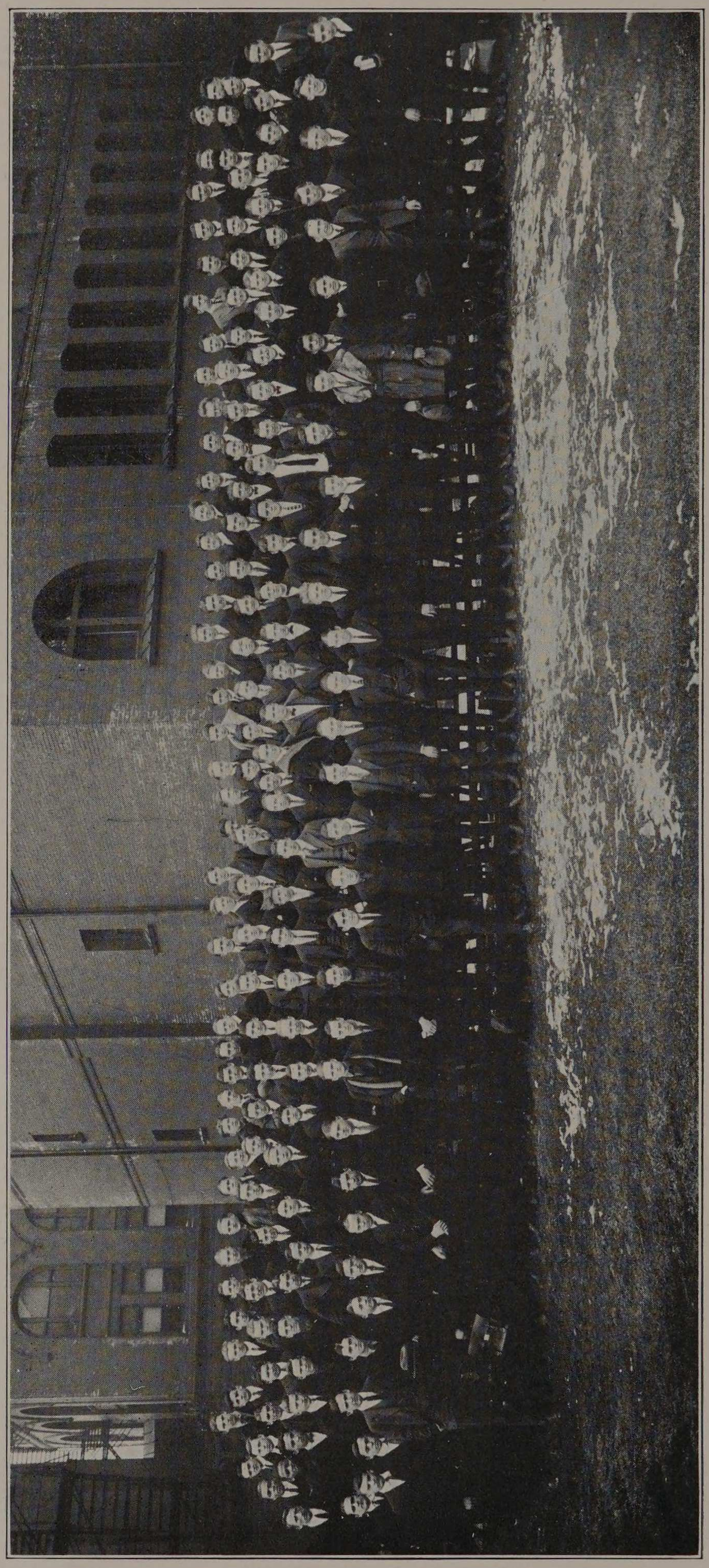
The Inter-Class Basketball Games showed the "makings" of the Freshman Class. Its team, picked from some thirty high school champs, met the Juniors in the Armour Gym, and retaliated for the trimming received in baseball. Having carefully watched the game, the Seniors refused to play when their game was scheduled. The Sophomores, however, by extraordinary playing carried away the championship by two points. Przbylski, Jacobson, Plocar, Greenleaf and Springer are the men to whom credit is due for the good showing made.

About this time, a bee began buzzing somewhere, and lit on a Junior, stinging him with the idea of getting a *free show* out of the Freshman Class. The Junior Class heartily approved the idea, the Deans O. K.'d it and C. W. Hauth put it up to the Freshmen. Although the idea as presented November 16th, was rather vague, the Class sanctioned it and elected Chas. C. Kruse Chairman of the Committee to stage a "Frosh Frolic."

From November 16th until December 7th, The Gym Belles, Sophie Tucker and The Lure of the Wild Doughnut were names that aroused considerable questioning around the school. While staging the rehearsal and getting ready for the show, the Committee had its troubles, but managed to present the First Frosh Frolic, December 7th, 1921, in the Armour Assembly Hall.

Dean Raymond suggested to the audience that the Frosh Frolic be made an annual affair and received their unanimous approval.

The annual Freshman Dance was held April 21st, in the Red Room of the Hotel LaSalle. It was very well attended and those who participated enjoyed themselves immensely.



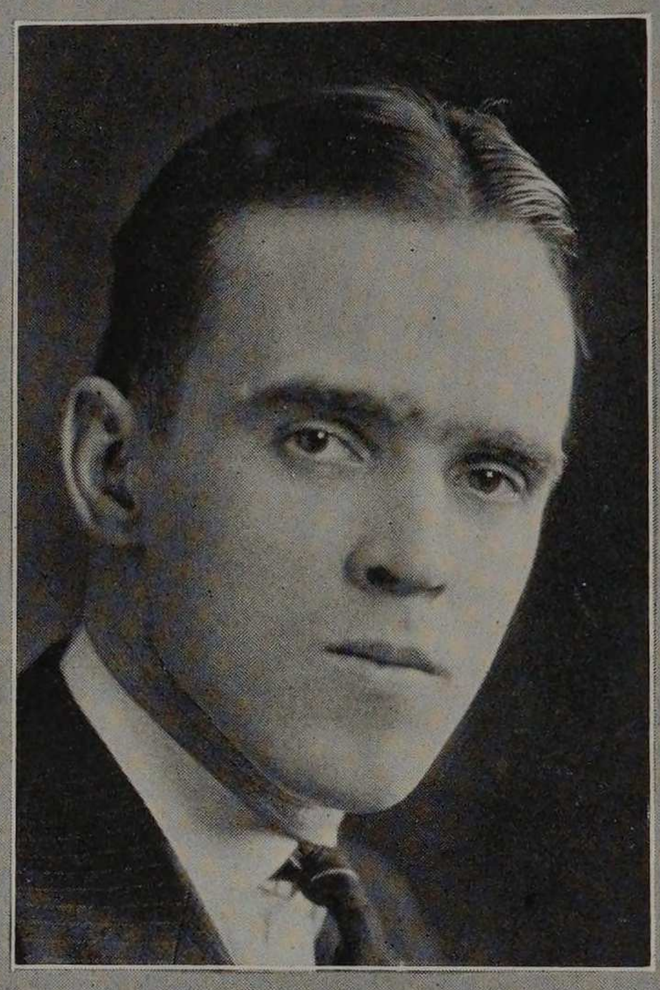


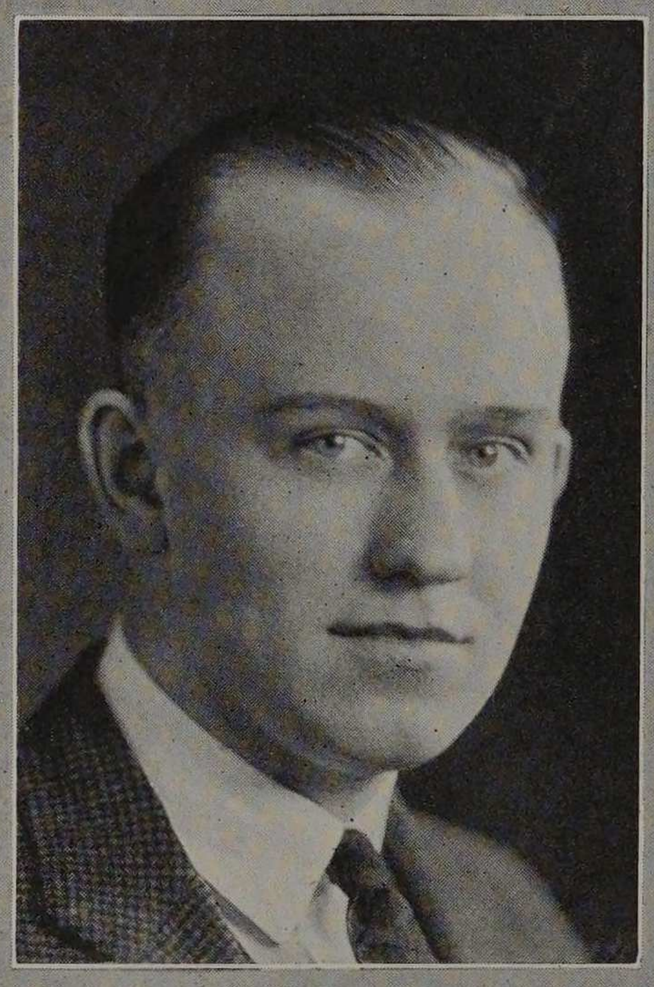
Publications



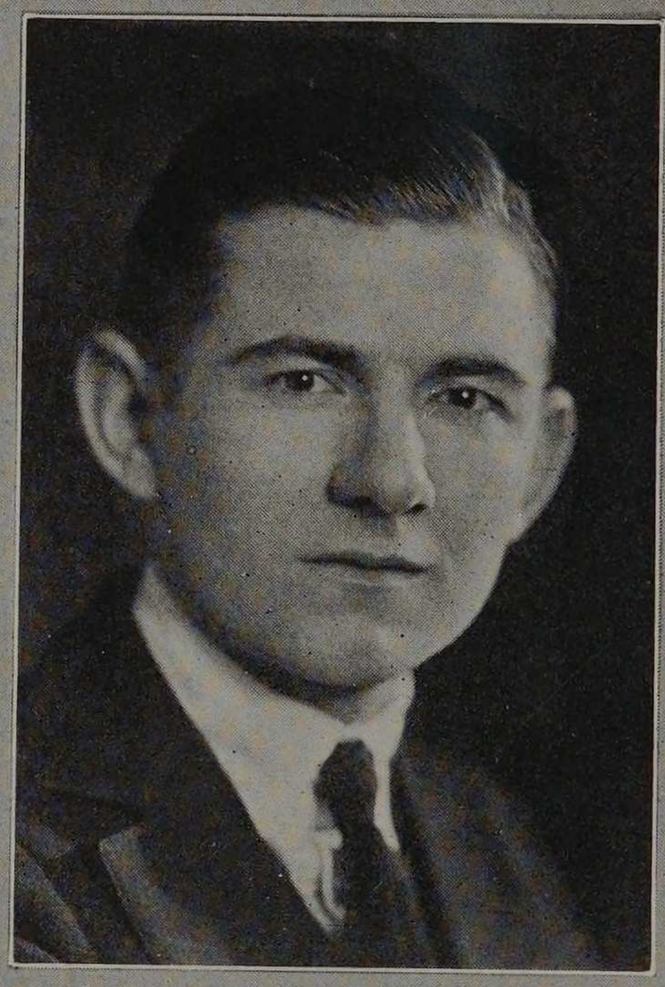
THE

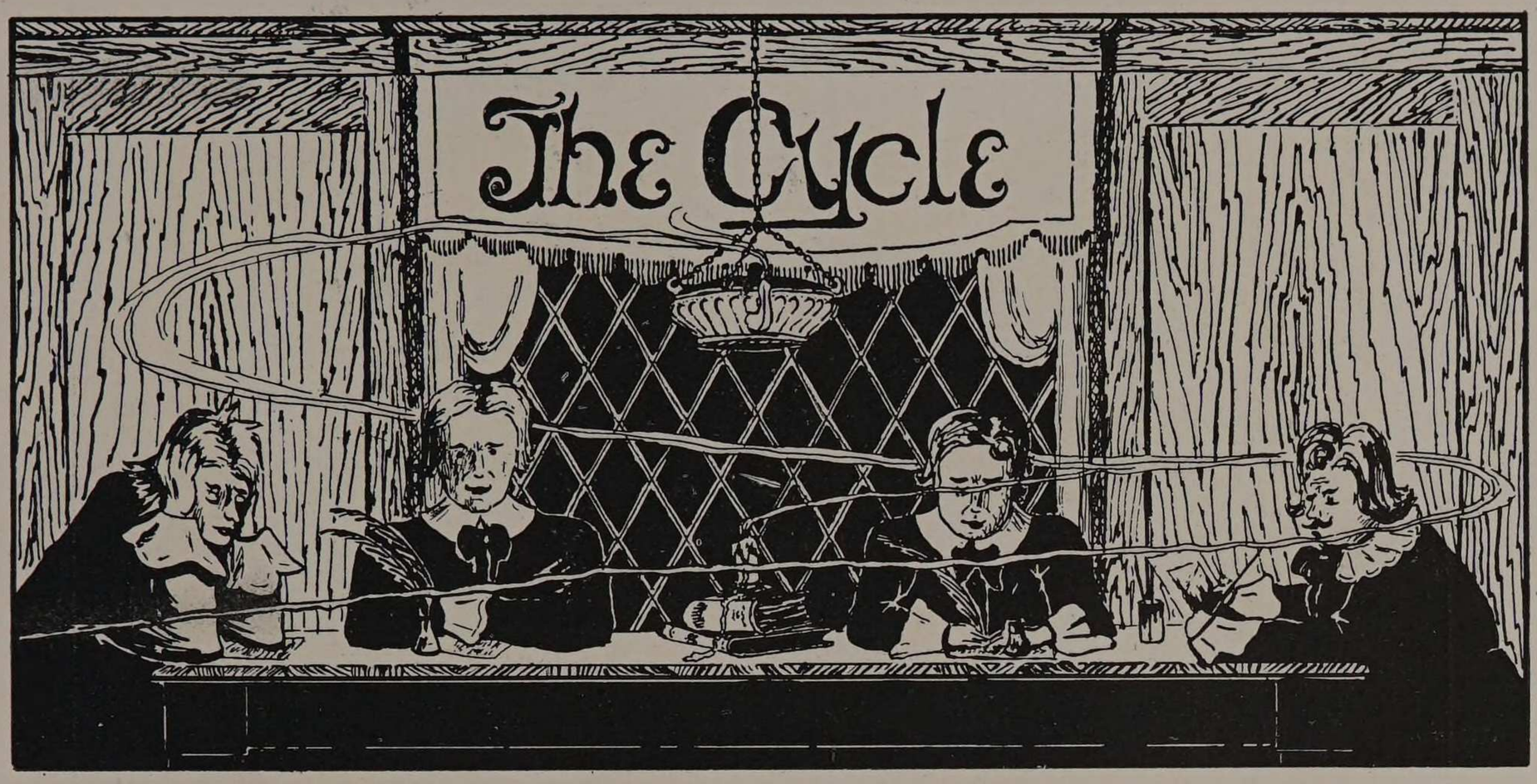
1922





CYCLE





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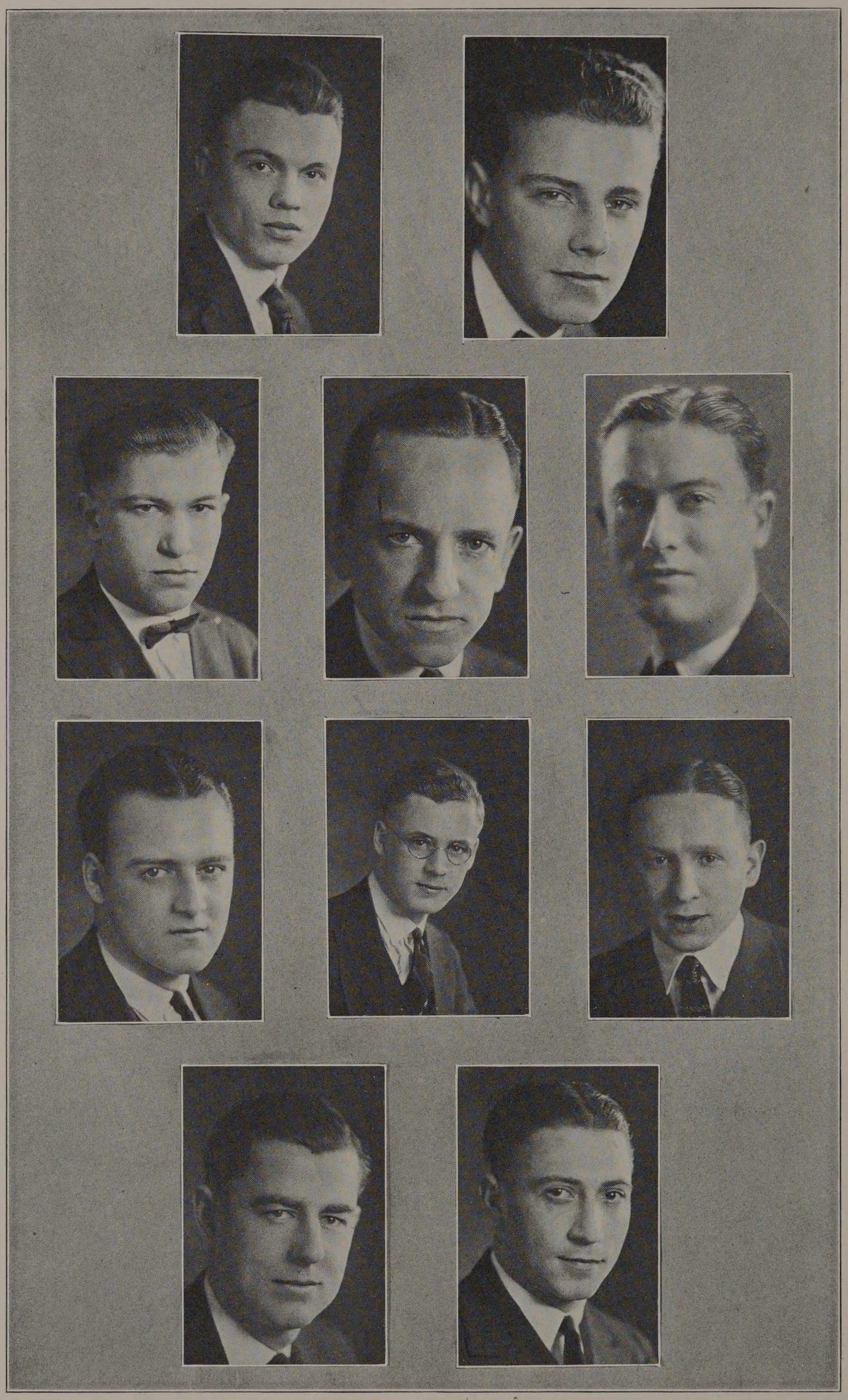

EDITORIAL

A GREAT building reflects the ideal of its designers and builders. To the mighty dome of St. Paul's in London was wrought the very life of Sir Christopher Wren. So it may be said of the hundreds of college publications which go to press every year inasmuch as they are edited by a handful of men chosen from the Junior Classes, to see to the publishing of a book which will be worthy not only of their class which entrusted them with this grave duty, and to the graduating class for whom the book is published, but also to their Alma Mater.

The Cycle is now off the press and in your hands. Many hours and days of strenuous work were spent in the accumulation, elimination and final publication of the material which you find in this volume, and although we realize that it is far from perfect and will undoubtedly meet with the disapproval of some who will scan our pages of efforts, we sincerely hope that our work has not been entirely in vain. If we have given you what you want, to carry with you and by which to remember the past year of your four years at Armour, we are indeed pleased. On the other hand, if you have any criticisms or suggestions to offer, we will be only too glad to receive them directly and to pass them on to the Juniors of next year, thereby casting a little light on the path over which we have come, that we may help those who follow.

We take this opportunity to thank our advertisers for their patronage, and sincerely hope that the investment will be profitable to them. We would appreciate it very much if the students would read all the advertisements and keep the advertisers in mind whenever in the market for their lines as it is only with their kind help that this book is a realization.

The Staff this year has received much valuable assistance from many of the students, faculty and others in our efforts to produce the best Cycle ever published, for it is but humankind to attempt to improve and perfect the work of those who have preceded. It is our desire to acknowledge and thank the following men especially, who have stopped and taken the time from their various duties to lend a hand and co-operate with us to the end.

ARTISTS

R. C. Trow
E. A. Johnson
E. A. Lynch
P. McFarlane
H. Bacci
W. J. McCormack
E. Fuhrer

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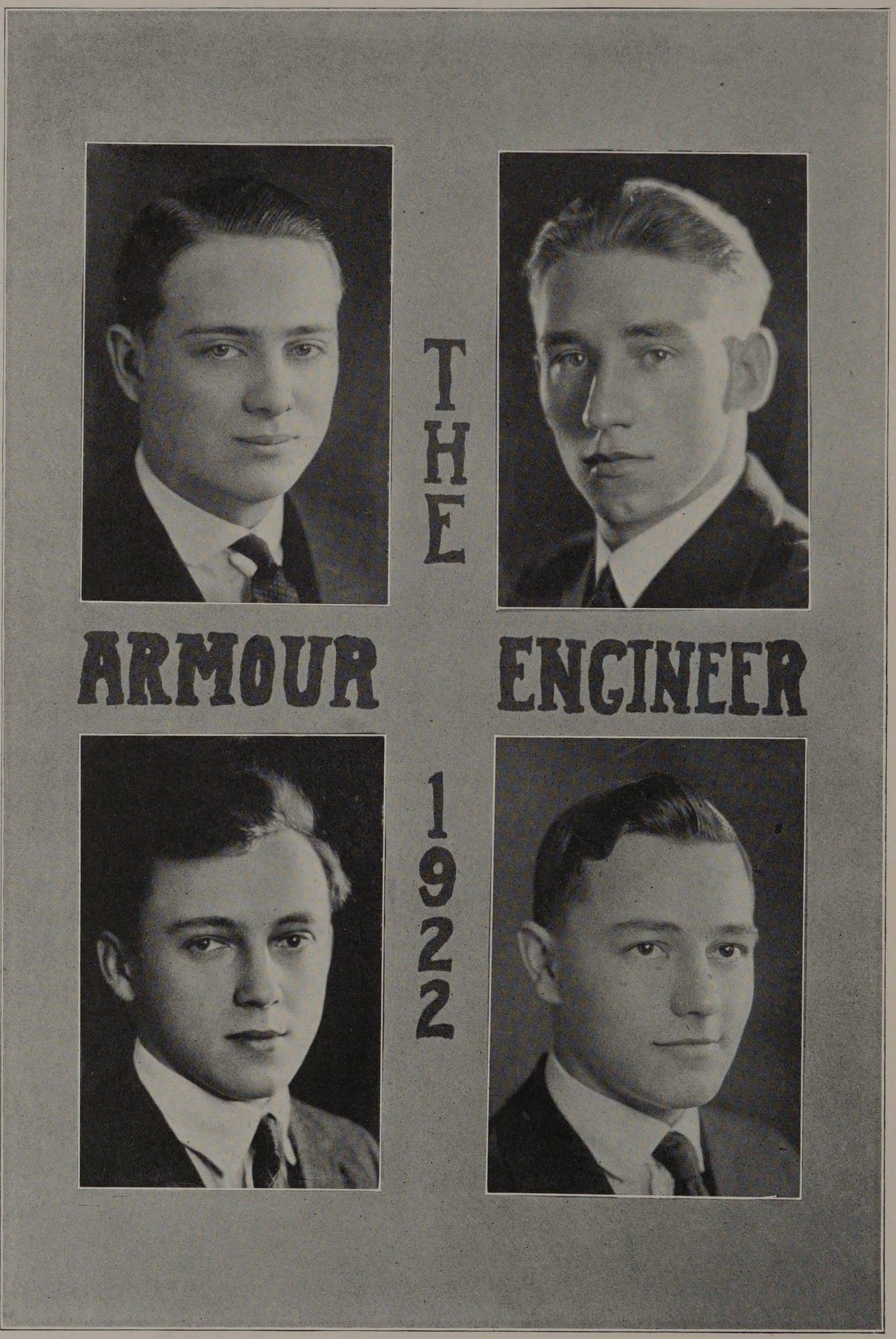
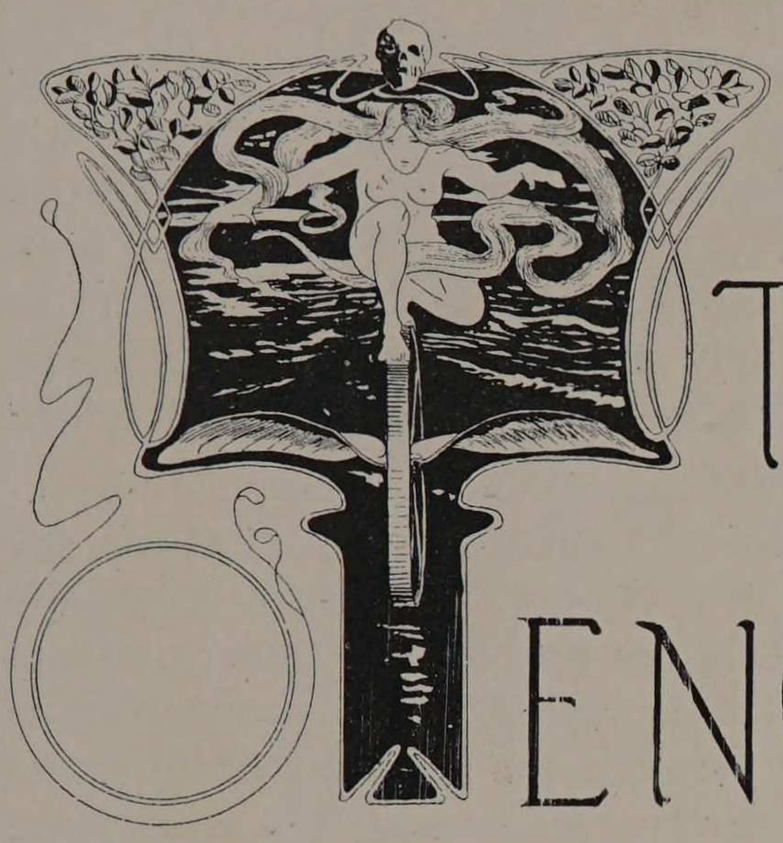
Prof. B. B. Freud
K. E. Eppich
J. W. Spensley
H. W. Munday
M. B. Krebs
V. E. Lowden
H. G. Love

We are indeed indebted to Mr. Clarke of the Clarke-McElroy Publishing Company, and to Mr. Smith of the Wallace-Miller Engraving Company, for their manifest interest in the publishing of this volume, and also to Mr. Chambers of the Chambers Studio who did the photographic work.

With these few words we bid "Farewell" to Volume X of the Cycle, glad that our work is finished, but happy that we have had the opportunity of watching and fostering its growth, until this time, when it will come before your eyes for approval. We hope that you will give it a hospitable welcome.


THE
ARMOUR
ENGINEER
1922



THE ARMOUR ENGINEER

E. Merrill Seaberg.....*Editor-in-Chief*
Ralph S. Kenrick.....*Associate Editor*
Jeff Corydon, Jr.....*Business Manager*
Geo. H. Kelley.....*Associate Business Manager*

The Armour Engineer has now completed the thirteenth year of its existence. The year has been a critical period, marked by several changes in the magazine and in the outlook for the future.

A new cover design was made and used on three issues. Perhaps this change is symbolic of the coming change in the magazine, the "tree of life" motif representing the certain growth and expansion of its influence and circle of readers.

It has been the aim of the Staff to increase the volume of College News and Notes. If the student readers of the periodical are to be numerous, their interest must be catered to in this manner.

An endeavor has been made to increase the size and potential interest of the alumni section. The Engineer is essentially an alumni publication, although issued by the school through a selected group of students, and with the renewed growth of the Alumni Association certain to come, its responsibility and opportunity for service will increase.

The endeavor to keep up to standard the articles published has been met with success. The contributors have been principally graduates of this institution.

The Staff has felt keenly the absence of Dean Monin and his kindly advice, but for the capable and always available assistance of Acting President H. M. Raymond and Prof. Paul, with that of many others, their appreciation is extended.

IS THERE A PLACE FOR ATHLETICS AT THE ARMOUR INSTITUTE OF TECHNOLOGY?

In a certain technical college the story is told that an athlete went to one of his Professors and asked for an extension of time for some reports in a particular course. The student in question had just returned from a trip on which he had played in several games. Previous to this trip he had been handicapped on account of injuries. The student did not ask that his reports be less in number than any one else. He simply requested more time. The Professor refused the request and to give the student his "money's worth" added "that athletics had no place in a Technical College."

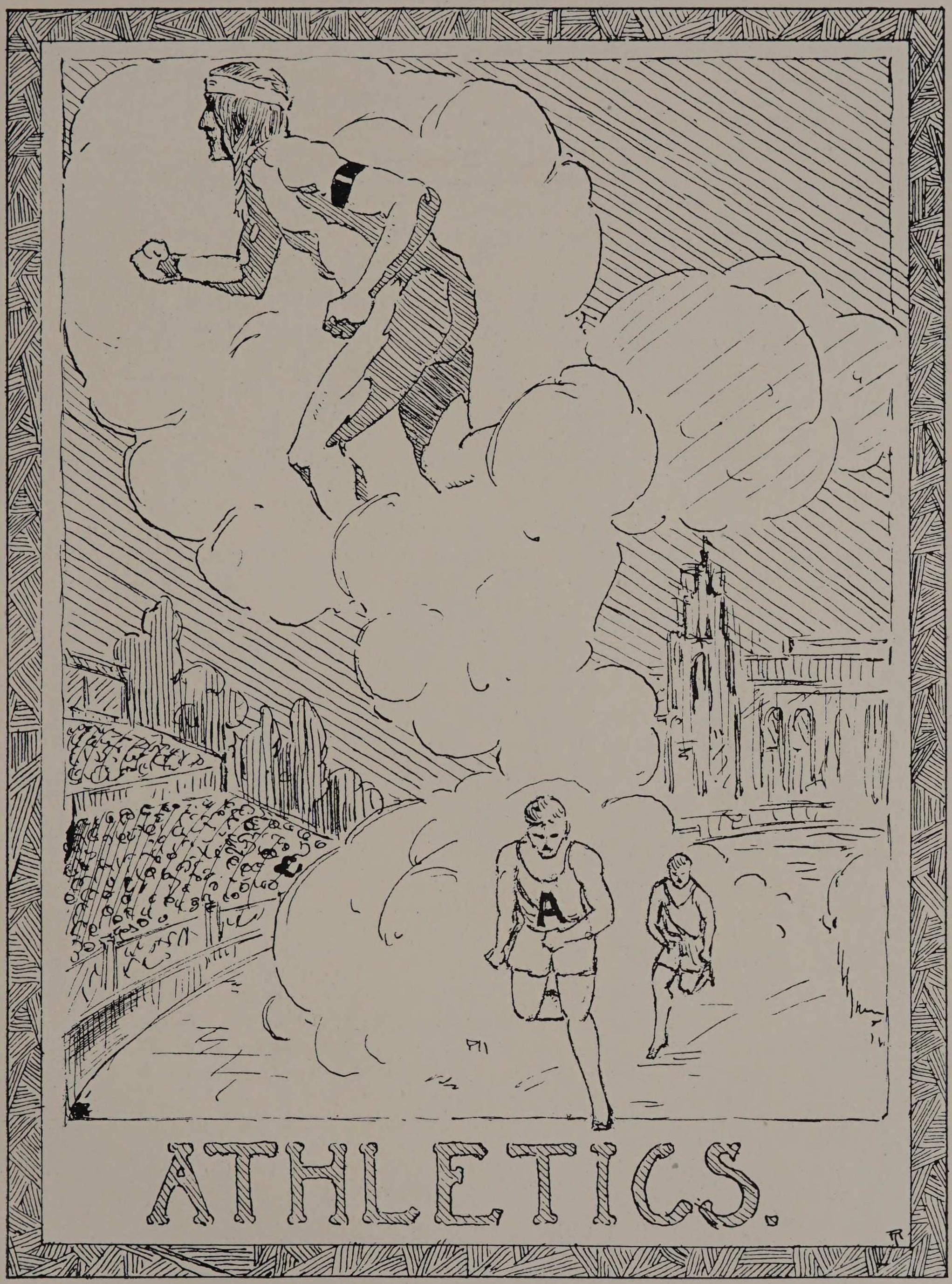
I have been asked to give my views on this particular subject. Let me say at the beginning that I am for athletics in any college, and more especially technical colleges, without any reservations. There is no body of undergraduate students "harder worked" than those in a technical school. If a young man is to absorb what he is being taught, it is only through the medium of a sound and healthy body. I have students in my classes every day who are stale from work and who take no exercise either because they take no interest in athletics, or more often because of lack of time or incentive. Give a boy or a man a good daily workout in some form of exercise, suited to his age and condition, and he will accomplish more in one hour of intensive study with a clear head then he would in three hours without the exercise.

Again, is it not the ambition of most red-blooded American boys to be a member of one of his college teams, to uphold its honor, and help make its athletic history? For say what you will, the college traditions center very largely around its athletic activities. Strange as it may seem, an educational institution is just as often known by its athletics as by its educational standards. It is surely a false standard, when our best American Universities and Colleges are measured by their athletic prowess, but such a condition exists and must be faced. If people can not hear us in terms of scholarship and educational standards alone, then let us call their attention to us in athletics as well.

I firmly believe that every faculty member has the students' interests at heart. He is constantly finding things that he wishes he had been taught as a student. He makes up his mind that his students must not be handicapped as he was, and soon he has prescribed so much work that there is no time left for athletics. He is sincere in his efforts to give his classes the best. But there is a human limit surely. Give the students healthy bodies and active minds by allowing recreations in the various forms, such as participation in games, or as a cheering spectator, etc., along with the maximum amount of work that he can absorb. Then when these men leave us to take an active part in the every-day problems of life, they have the very best equipment that he can possibly give them.

IS THERE A PLACE FOR ATHLETICS AT THE ARMOUR INSTITUTE OF TECHNOLOGY? YES.

By Prof. Charles W. Leigh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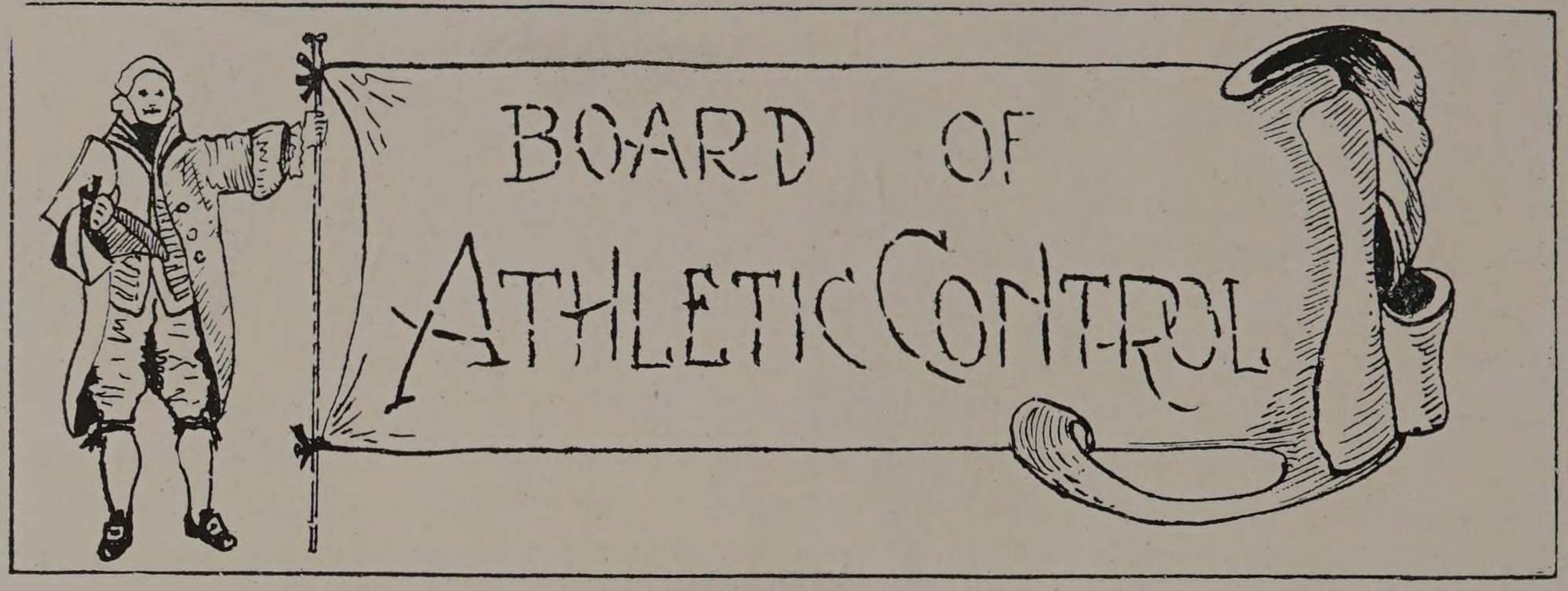

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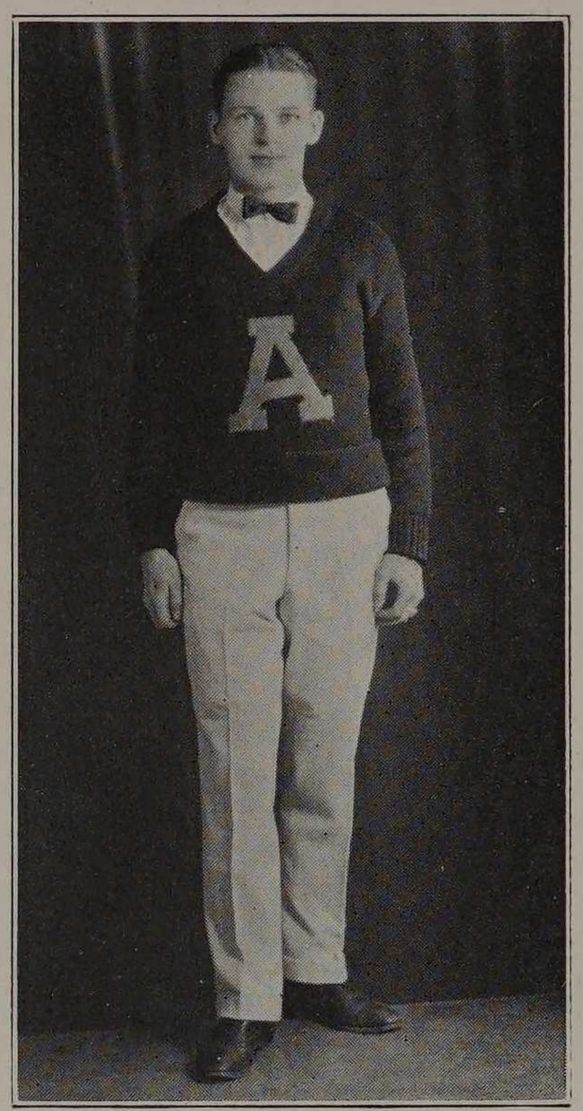
ATHLETICS



ATHLETICS



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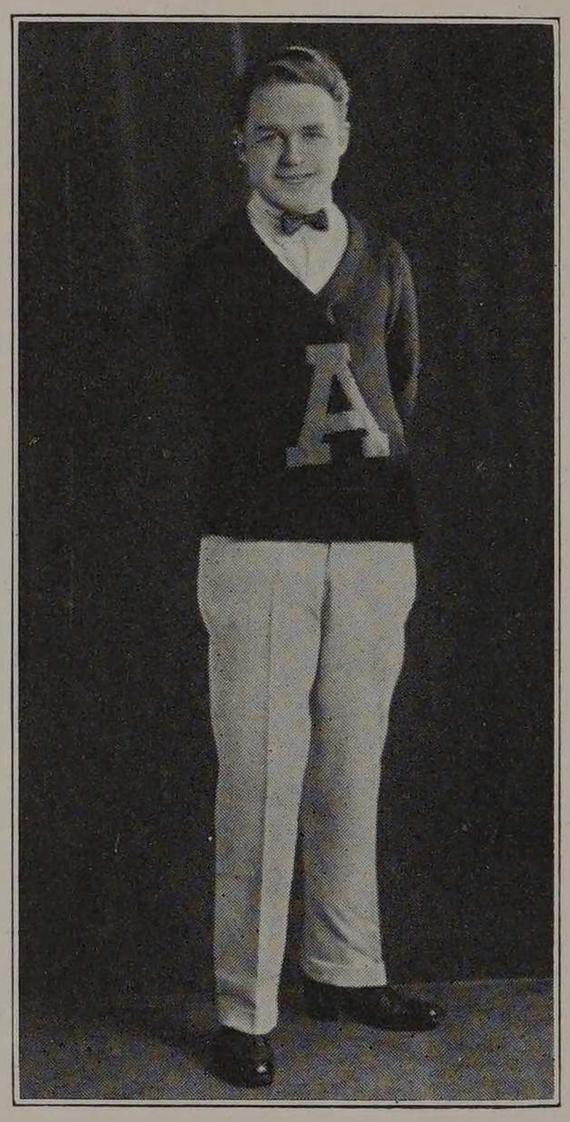

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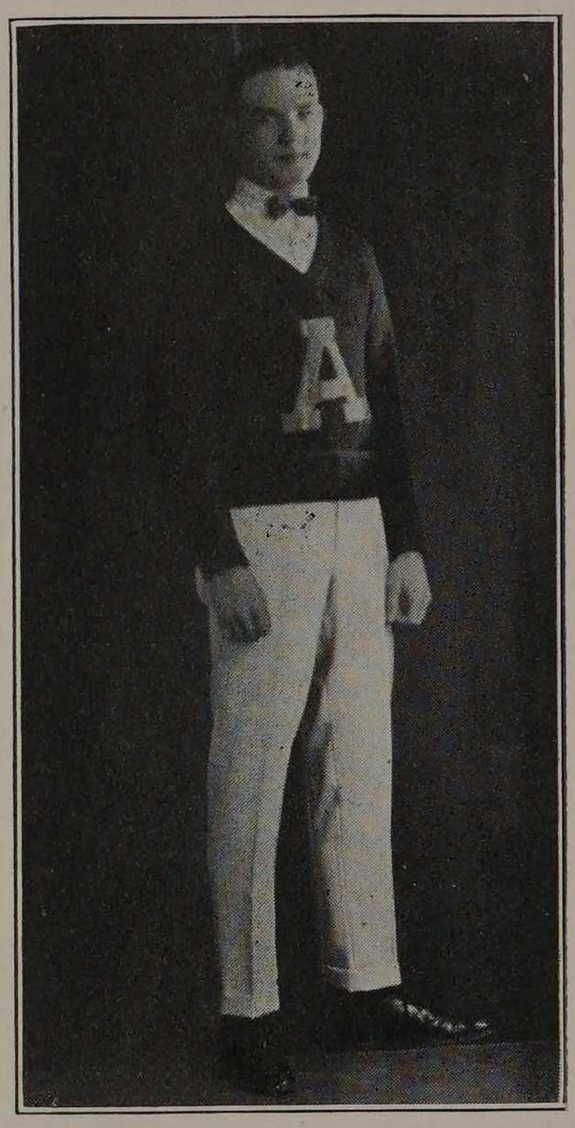
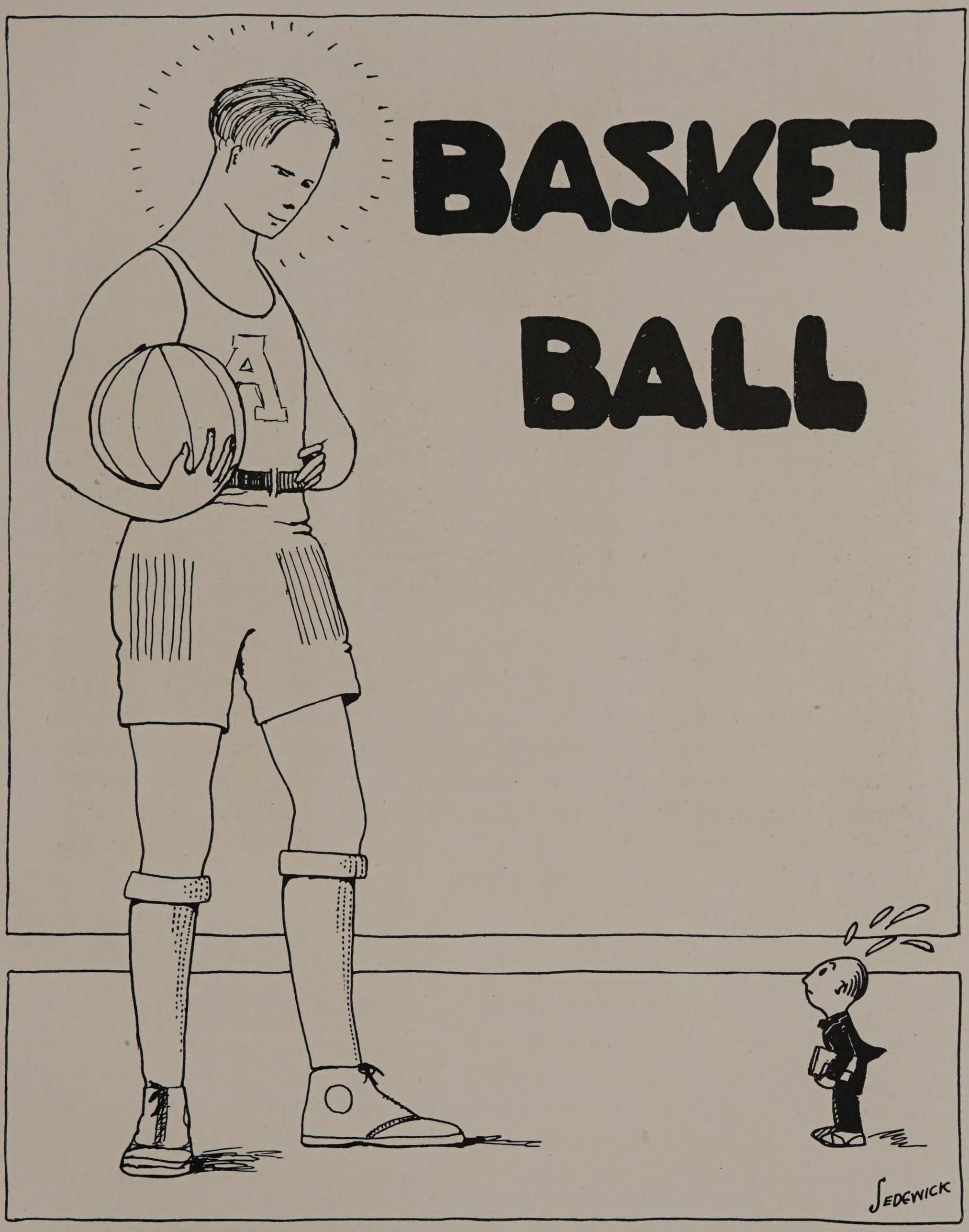


OWENS

CHEER LEADERS

Here they are! The "pep" artists supreme—Bob Bradley, Ed Lynch, and Stan Owens, who are largely responsible for the staunch backing given the basketball and baseball teams this past season, at all of the home games. As everyone knows, successful cheering is very essential to a successful team; and it is due considerably to their strenuous efforts that the teams were given such splendid support.


BASKET
BALL
SEDGWICK

REVIEW OF THE BASKETBALL SEASON

By Coach W. C. Krafft

If the success of this year's basketball season was to be judged from the standpoint of games won alone, it would be considered as only a mediocre season. However, there are many things to take into consideration when summing up the season's accomplishments and failures. Among them are the type and class of opposition, the spirit and willingness of the men, and the attitude of the student body to stand by the team whether in victory or defeat.

Taking the season at a glance we find Armour was confronted with one of the hardest schedules in her history of Athletics. The team met and held their own against some of the strongest teams in the country. With such teams as Notre Dame, Detroit University, Armour Legion, University of Chicago, and Northwestern University, on the schedule we can readily see that Armour has raised herself to a higher point of perfection and estimation in the basketball world.

Prospects at the beginning of the season were bright for a highly successful team. However, due to some of the men dropping out of school early in the season, and also mid-season, the chances were somewhat dimmed. The team opened with a victory over American College. The game was closely contested and gave the coach and players much to think about. We were unfortunate in drawing Northwestern University for our second game and the result was we found ourselves on the short end of the score. Many glaring faults were brought to light in this game which resulted in several changes the following week.

Crane College was bowled over in the two following games, and it seemed as if the team was beginning to find its stride.

The University of Chicago defeated us in a rough contest which was more the resemblance of a football game.

Notre Dame and the Armour Legion Post were our next foes. It was at this point that the team seemed to be afflicted with an epidemic of injuries, and sickness. The Armour Post game was played with only two regulars in the lineup.

After a short holiday recess practice was resumed. The Alumni gave us a hot scrimmage and nosed us out in the final minutes of play by two points.

On the Michigan trip the team displayed its best form of the season. Losing the first game to Western State Normal it came back the second night by

winning a decisive victory over Detroit University. Our men outplayed Detroit in every department of the game.

More injuries again beset the team and it was a badly wrecked squad that we took to Notre Dame where we were handed our second defeat of the season by this school.

Northwestern College, Lombard, and Augustana were met next in the order named to which we fell victims.

Augustana came for a return game and the fans were treated to a thrilling contest. Armour maintained the lead through the entire game, and it was in the extra five-minute period that a basket was thrown from mid-field which spelled defeat for us by one point.

The season ended with a double victory over Lake Forest, our old rivals. The team outplayed their opponents in both games and fully deserved to win.

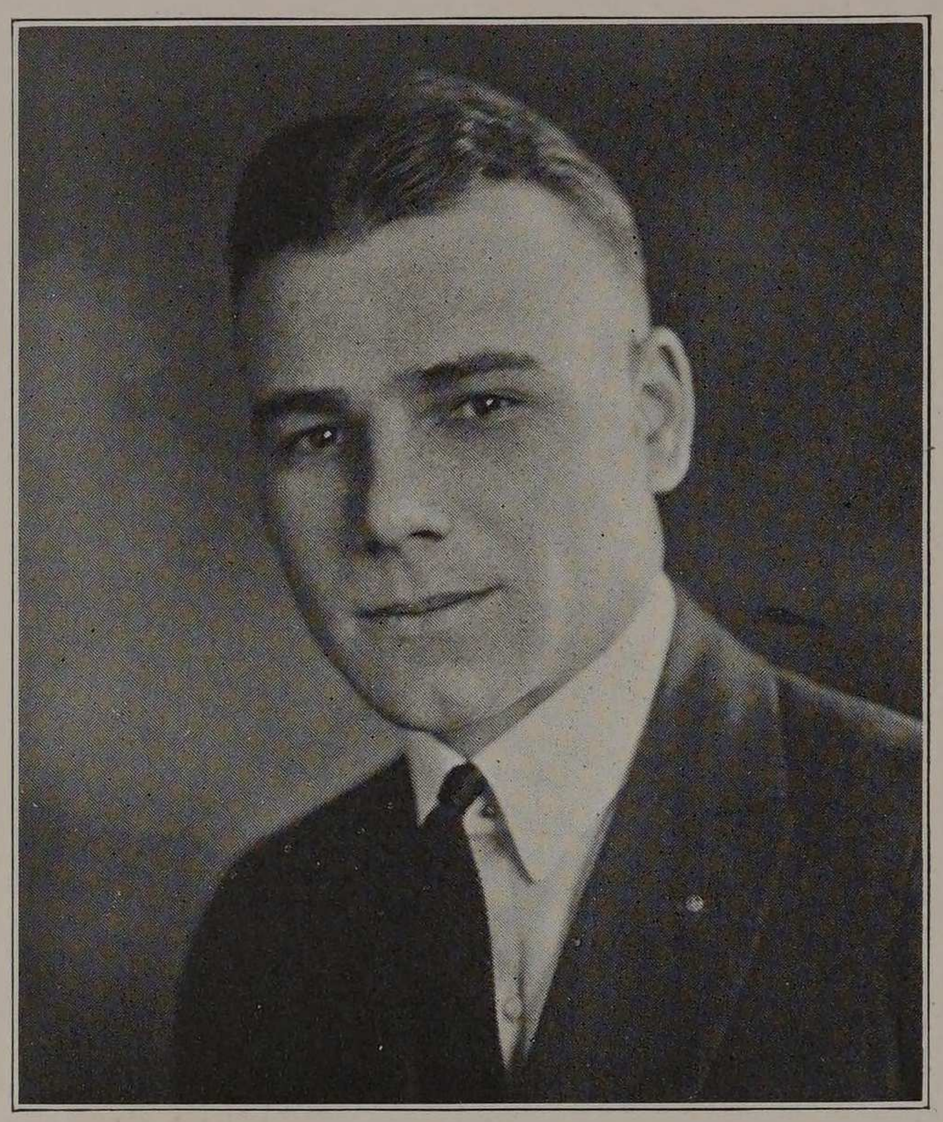
Thus ended a mediocre season. It is true that games were lost, but the games won do not always prove a team. We have met real opposition from the colleges and universities of the middle west. This is a good sign. Keen competition always raises the standard of Athletics and there is not a better thing in the world to develop real sportsmanship. We have several scores to settle next year and present indications are that we will settle them in the right way.

There will be a strong nucleus for a great team next year and the prospects will make a mighty bid for a clean slate when the 1922 season rolls around.

BASKETBALL SCHEDULE FOR 1921-1922

American College—at Armour	Nov. 29
Northwestern University—at Evanston	Dec. 3
Crane College—at Crane	Dec. 7
Crane College—at Armour	Dec. 13
Notre Dame University—at Armour	Dec. 16
Armour Post, American Legion—at Stock Yards	Dec. 20
Alumni—at Armour	Jan. 11
Western State Normal—at Kalamazoo	Jan. 13
Detroit University—at Detroit	Jan. 14
Notre Dame University—at South Bend	Jan. 25
Northwestern College—at Naperville	Jan. 31
Lombard College—at Armour	Feb. 3
Lombard College—at Galesburg	Feb. 10
Augustana College—at Rock Island	Feb. 11
Augustana College—at Armour	Feb. 17
Lake Forest—at Lake Forest	Feb. 18
Lake Forest—at Armour	Feb. 24

ATHLETICS

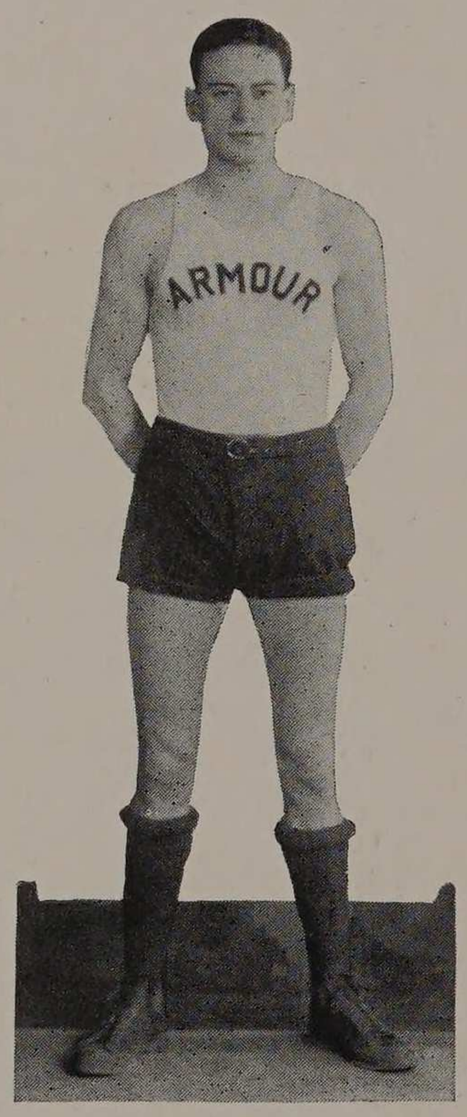


W. C. KRAFFT

W. C. Krafft, our basketball coach, was born in Iowa 24 years ago. After completing his preliminary education, Northwestern College opened its door and welcomed him. Here he became a worthy antagonist of "The Tech" for four years in basketball and baseball. He also played football. After making All-State forward in 1917, his Alma Mater handed him his A. B. degree (summa cum laude).

He won the War (not as an officer of the "Marguerite") but as Director of Physical Education in the U. S. Army and as a graduate of F. A. C. O. T. S., Camp Taylor, Ky.

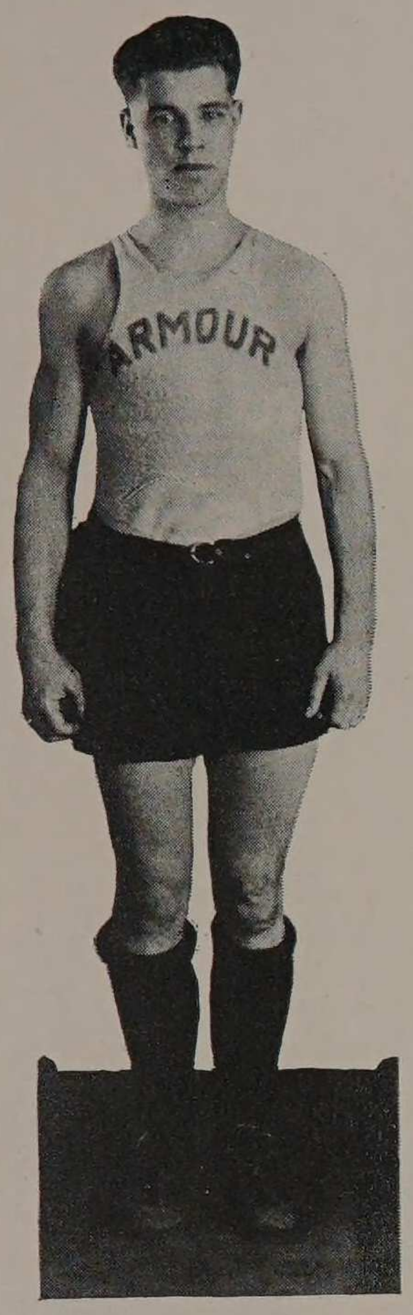
After the Germans were driven to cover, Krafft resumed his peaceful pursuits and took the job as coach of athletics and Director of Physical Education at Waukegan Township High School. Here he did so well that his victories went booming up and down the Lake Shore. He then graduated from the high school coaching staff to college activities, and here he is.



CAPT. DON RUDISHAUSER

Capt. Don Rudishauser, playing his second year of basketball for Armour, proved to be the bulwark of the Tech's defense. Ruddy was just suited for the position of back guard, being a big, rangy lad of untiring endurance. Although not much on field goal shooting himself, he refused to let his opponents surpass him in this art. When the occasion arose he was never found lacking in the aggressiveness and fighting qualities necessary for his position. Many of his opponents will testitfy to this effect. Next year should be his best.

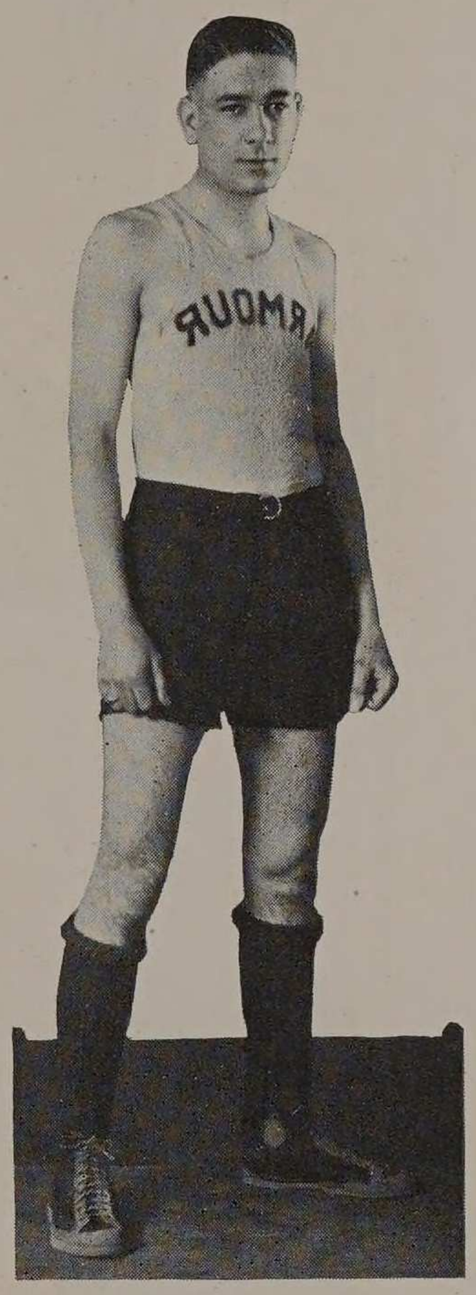
ATHLETICS



CAPTAIN McLAREN,
1922-23

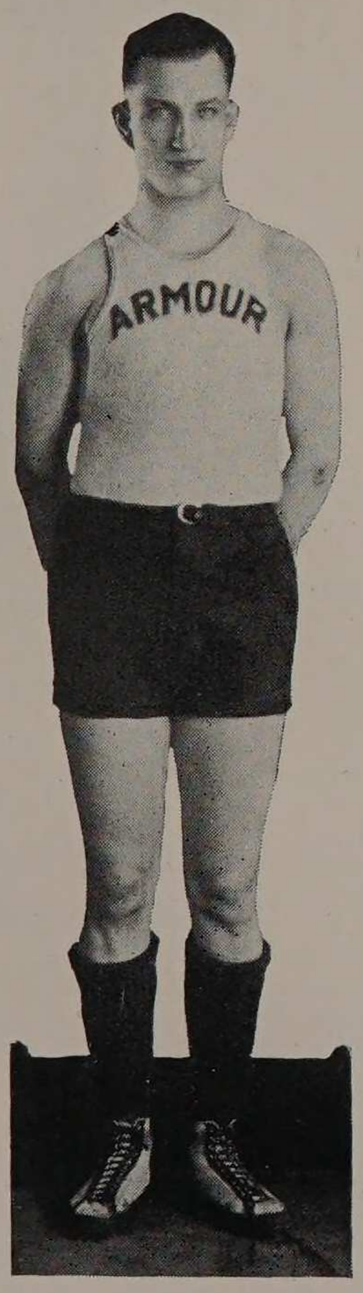
McLaren playing his first year of basketball for Armour, proved to be one of the bright lights of the team. Although an unknown quantity at the first of the season, his rapid development enabled him to win a regular berth at running guard, from which he was shifted to forward in mid-season. The most consistent player on the team, he could always be relied upon to play his best at all times. Injuries for a large part of the season prevented him from making a better showing.

McLaren's leadership and next year's prospects have the appearance of a greater basketball season for Armour in 1922-23.



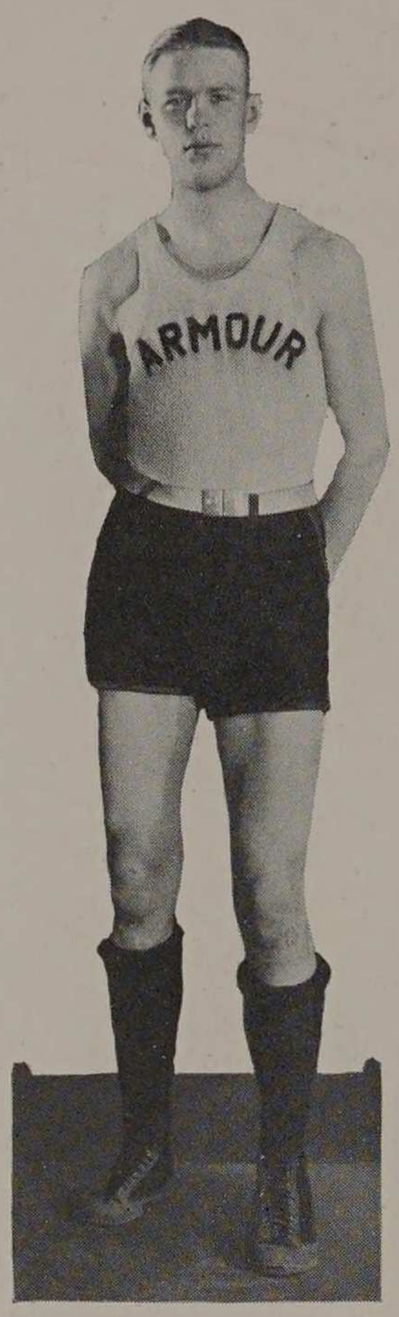
SCHUMACHER

Gerhardt Schumacher (familiarly known as Gerry) won his third letter in basketball this year. Gerry proved to be high point man for his second consecutive year. He has the qualities usually found in a finished basketball forward. He was the best dribbler on the squad, and this combined with his uncanny eye for the basket, made him a man to be feared at all times by opponents. His basket shooting in the Detroit University game will long be remembered by the Detroit fans. Whenever a point was necessary, via the free throw route, Gerry could invariably be relied upon.



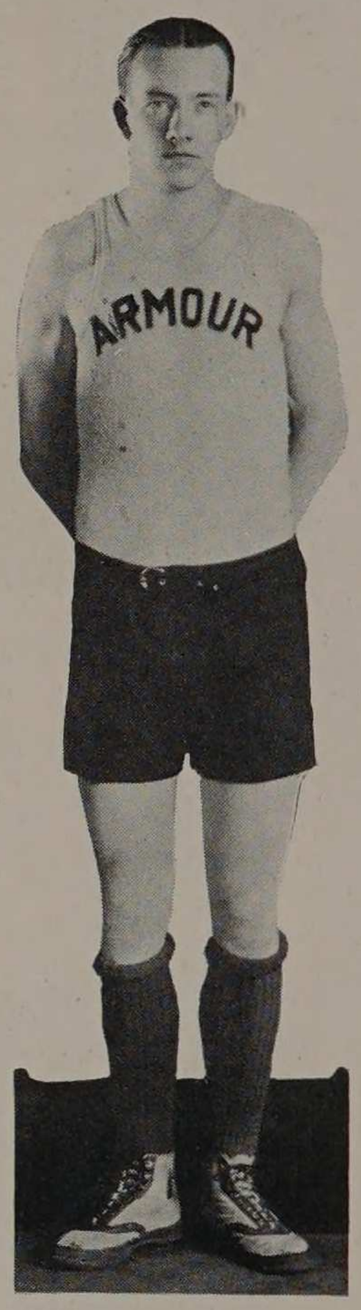
MAY

Max May, playing his second year of basketball for Armour, was a tower of strength at guard. He was the fullback of the basket team, and many are his opponents who will always bear this in mind. For a man of his size he handled himself remarkably well on the floor. He will always be remembered for his aggressiveness and never-die spirit. Fair in the art of basket shooting, he stood above par as a guard.



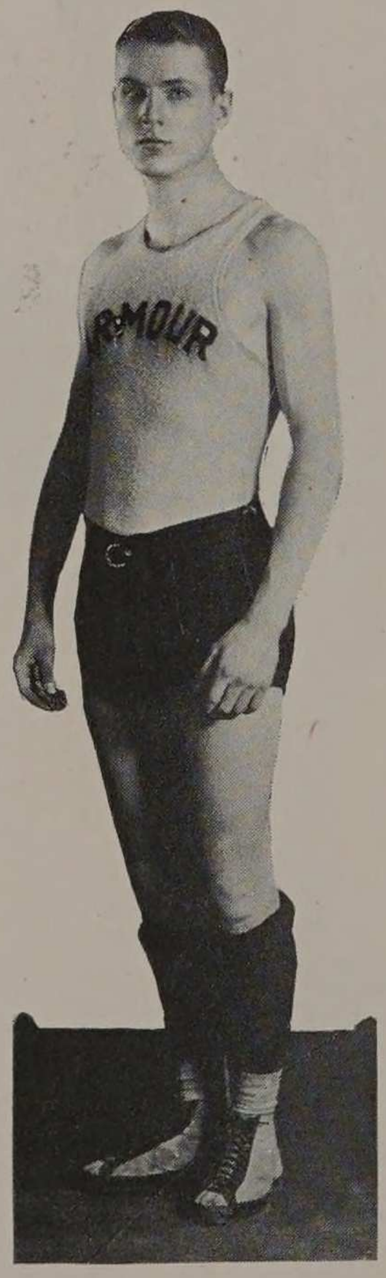
JOHNSON

"Swede" Johnson at guard broke into the game as a regular in mid-season and from this time on he continued to play better ball in each game. On defense he covered his man like an octopus, managing to keep the ball well out of dangerous territory. He showed good judgment at dribbling and passing. Beside these qualities, "Swede" had a fighting spirit that was unconquerable, which was combined with a sure eye for the basket. Great things are expected of "Swede" for 1922-23, when he will have completed his third year of varsity basketball for Armour.



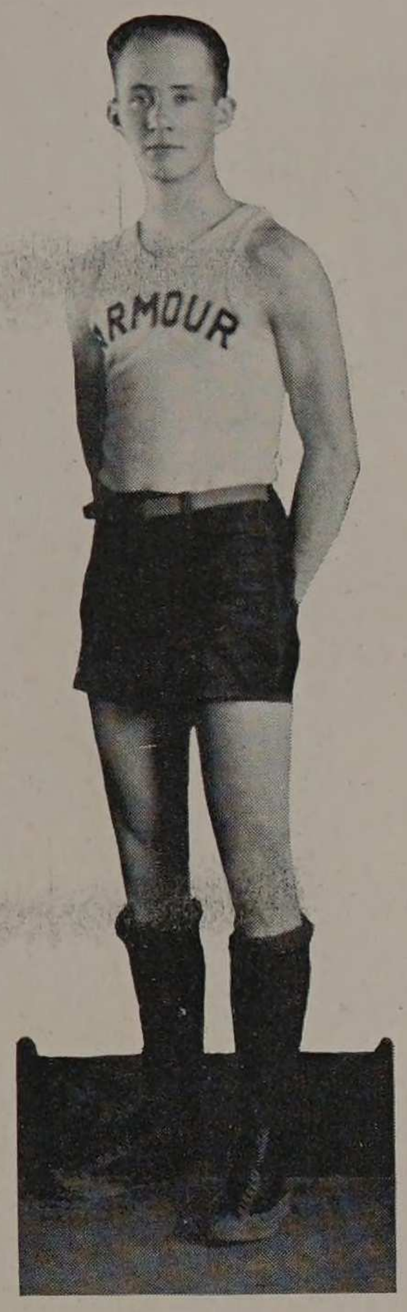
SPAID

Spaid playing his first year at center, invariably managed to get the jump on his opponent, which is a great factor in a well balanced offense of any team. Injuries kept him out of several important games. In the games he took part in he gave promises of a great man for next year. His speed combined with this year's experience, will make him a man to be watched in 1922-23.



GREENLEAF

Jack made up for his lack of size by possessing a great amount of fight and endurance. He had a good eye for a basket and this along with his year's experience will make him a man who will have to be reckoned with in the picking of next year's Varsity.



Farrell did not have a chance to show his ability much this year. Few substitutitons were made during the season on account of the stiff opposition on our schedule, this being the main reason. His willingness and ability should make him a hard man to displace for next season.

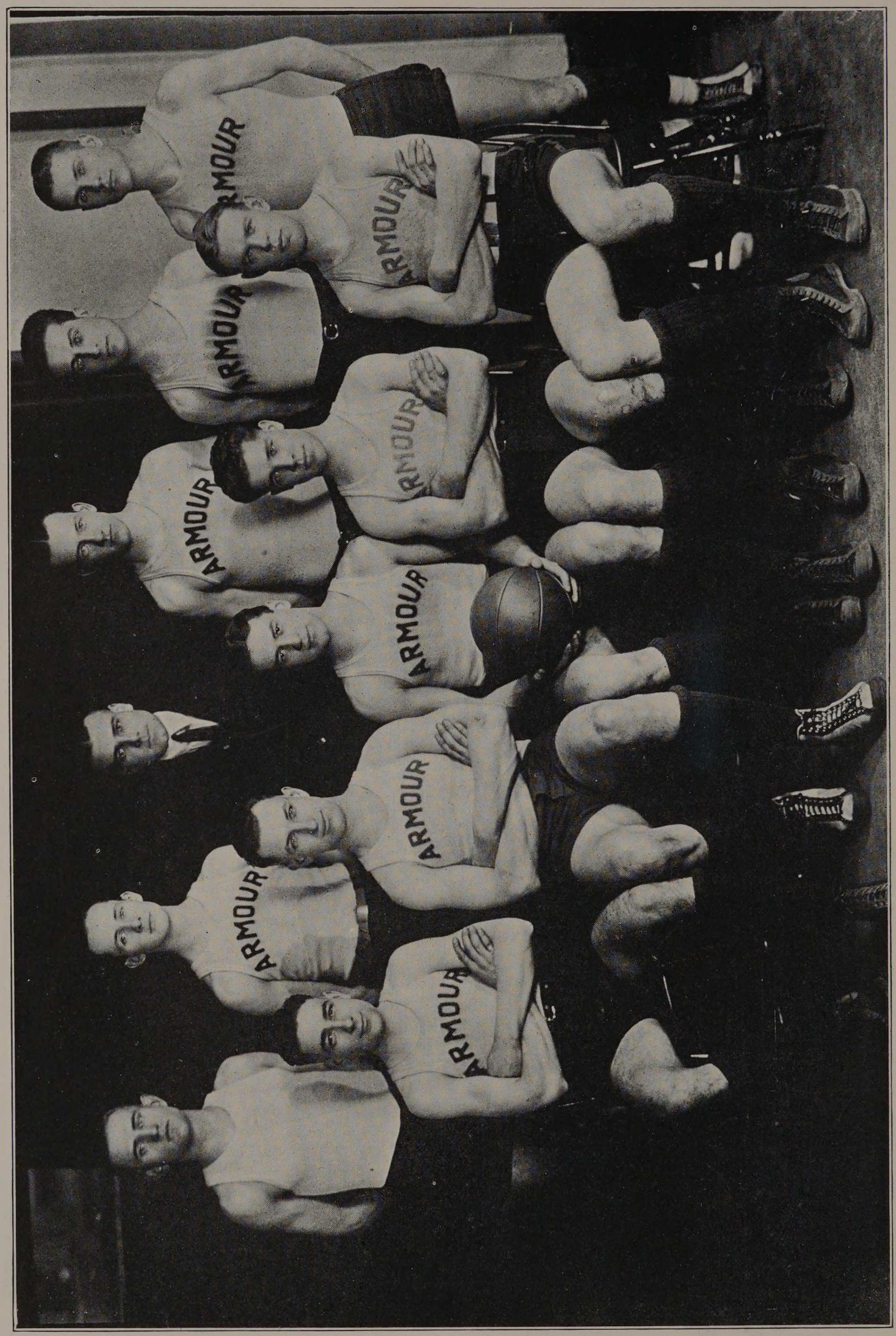
FARRELL

RECORD OF INDIVIDUAL MEN FOR BASKETBALL
SEASON 1921-1922

	Games Played	Baskets	Free Throws	Points
Rudishauser, D.	18	1	0	2
Schumacher, G.	15	44	61	149
McLaren, E.	17	17	11	68
Spaid, O.	14	9	0	18
May, F.	18	13	2	28
Johnson, E.	16	17	7	41
Witaskis, P.	10	8	5	21
Farrell, R.	2	0	0	0
Kuehn, O.	6	12	0	24
Norton, E.	2	6	0	12
Lathrope	2	0	0	0
Colby, D.	2	0	0	0
Greenleaf, J.				

WINNERS OF THE "A"

RUDISHAUSER, Capt. - - - *Guard*
SCHUMACHER - - - - *Forward*
McLAREN - - - - - - - *Forward*
SPAID - - - - - - - - - *Center*
JOHNSON - - - - - - - - *Guard*
MAY - - - - - - - - - - *Guard*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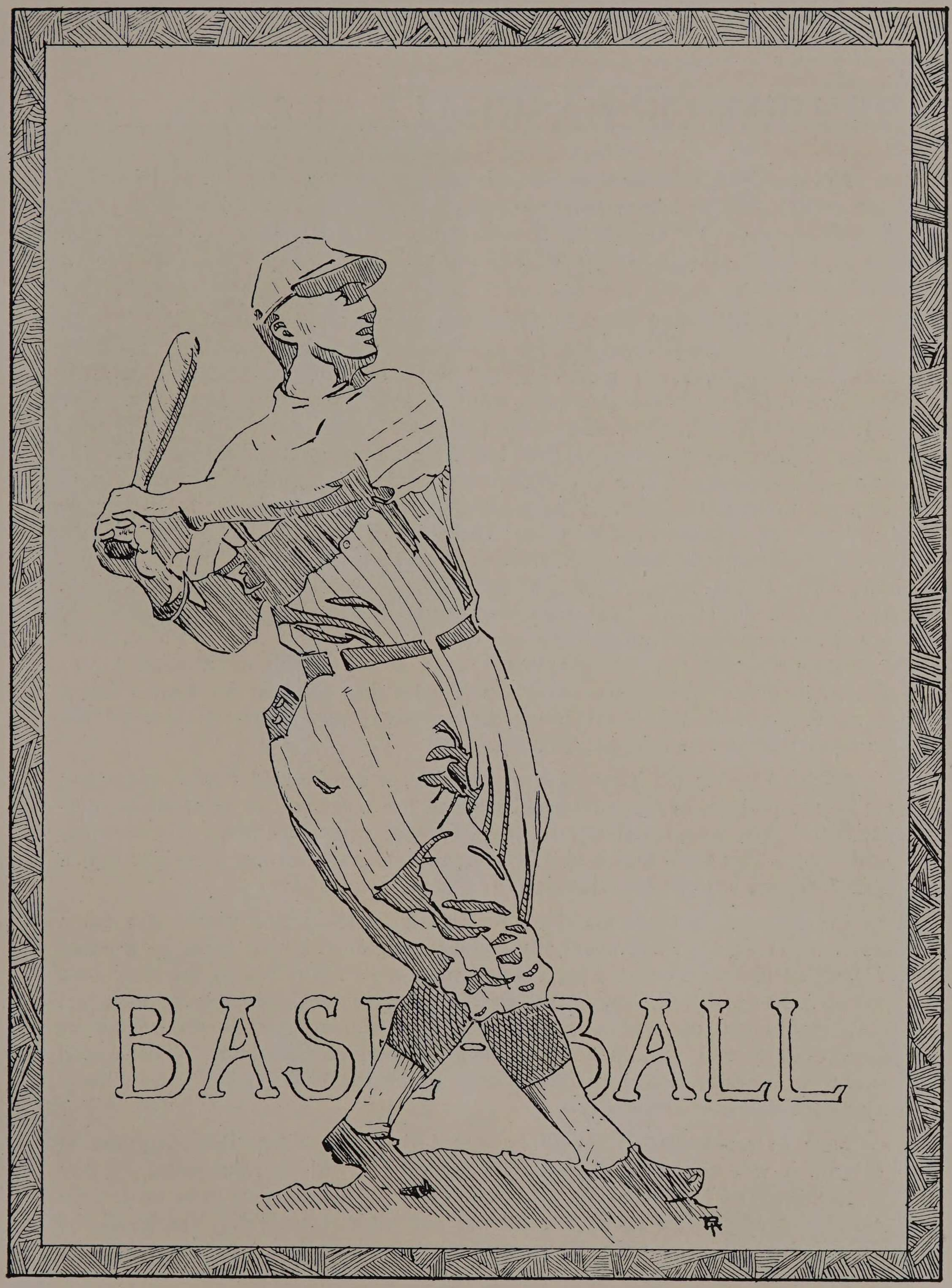

BASE-BALL

REVIEW OF BASEBALL SEASON 1921

Armour Tech's baseball season of 1921 was the most successful baseball year experienced by any team representing the school in the last nine years. A summing up at the end of the season, showed that only four games had been lost in a series of eighteen played and those that were lost were games to be proud to lose.

The baseball squad opened its practice season on the 1st of March with about sixty candidates reporting for indoor training, which was kept up daily until March 17th. After a few nights' work outside, we met and defeated Elmhurst College. In this game our team seemed to play very erratically. Our next game, which was considered the big game of the year, was with Northwestern University at Evanston; we lost by a close score. The squad did not play well together and several changes were made so as to derive more strength from the material on hand. This availed us little as immediately following the University of Chicago beat us 11-1. The shifting of players continued until a very formidable combination presented itself. Schumacher was placed at third base, Rowe at shortstop, Witaskis at second, and several men were tried at first. At this time the strong Augustana team from Rock Island was met and held to a tie. It was now seen that the one weak spot was first base and after some students petitioned the Athletic Board of Control, Walsh as a student was allowed to play. This might have been the turning point in the team's frame of mind, for with this combination we went out and defeated some of the strongest college teams in the country.

Without giving the impression of boasting, it can be said that Armour had one of the plukiest and gamest ball teams in the country. A team whose outstanding figure was its ability to fight hardest under the most discouraging conditions. This team which had been a careless loser turned overnight into a team that won ten straight victories.

Lake Forest, a team that had not lost a game in two years, was taken into camp at Ogden Field in a hotly contested eighteen inning game by a count of four to three. The very next week they were again beaten on their own grounds. Knox, Beloit, Augustana, Bradley Polytech and others were then met for a record run of consistent victories. Our winning streak was broken by Knox College who won in a twelve inning game at Galesburg. The season came to a desirable close by victories over Concordia College, DePauw University and Valparaiso University.

Now in conclusion, it should be stated that with Capt. Bill Zingheim at its head, it will be a long time before any college will be represented by any greater bunch of hard-working, clean-cut fellows. Teams that have on it men who almost cried after losing a game are not made overnight. Nearly all the men will be back next year, which makes the outlook for 1922 very pleasant.



J. LEO WALSH

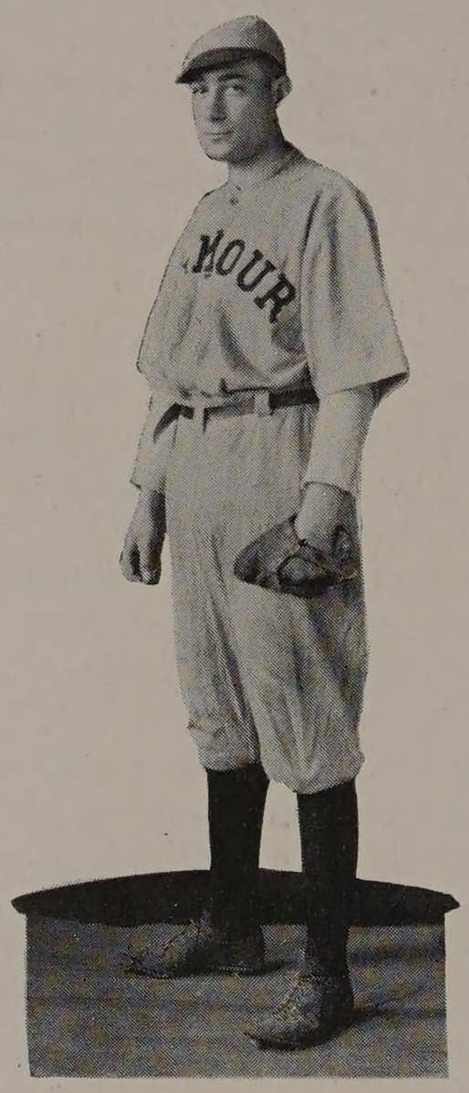
Leo Walsh has gained for himself a permanent place in the hearts of the Armour students by virtue of his splendid work, both as coach and player, with the Armour varsity baseball team.

In September, 1920, "Leo" registered in the M. E. Department of the Institute and diligently applied himself to his studies without ever a word of his previous performances in the baseball world. However, the truth will out and after his past efforts on the diamond had been traced back through two years as coach and captain of the Crane Junior College team, one year as first baseman on the Bloomington team in the Three I League, and a season in the Michigan-Ontario League, he was asked to take the position of coach of the Armour varsity baseball squad. He surpassed all expectations when he built up the 1921 team and led them through the most successful baseball season Armour Tech has seen in the last nine years. In mid-season the Athletic Board ruled that as a student, Walsh was eligible to participate in baseball and he immediately broke into the lineup at first base, finishing the season with a batting average of .496. Hopes of another season arose, when early in 1922 J. Leo again signed to coach baseball in the coming year.

ZINGHEIM

The lanky captain who was prone to put them over the fence was one of the hardest players on the squad. He covered his position in left field well and his peppy support was a big asset for the team. He entered Purdue last fall.





SCHUMACHER

This all-around athlete is captain-elect and an infielder of unquestionable ability. "Shuie's" good work on the third sack and his time on the circuit make Armour's prospect for 1922 look very good.



ROWE

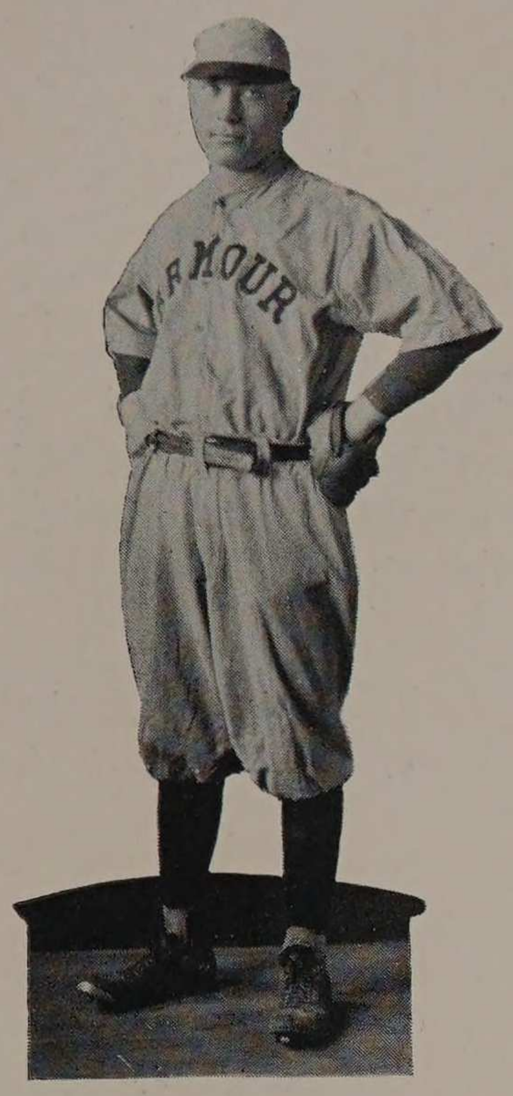
Rowe was the lad between second and third who picked up the "lawn-mowers" and other wise fitted in perfectly with the infield combination. He was a great help to the squad and we feel confident that this year —his last—will be the best ever.



WOODS

Barney sure tosses a wicked sphere. He is well known in Evanston on account of the game he pitched against Northwestern last year. He was the life of the club when the team was away from home and was also something of a Beau Brummel.

ATHLETICS



GILBERTSON

"Gill" did most of the heavy mound work last spring. His steel arm, backed by his good judgment, led the team to victory many times. His highest speed was four games won in four days, but the best thing about this twirler is that he plays again this year.



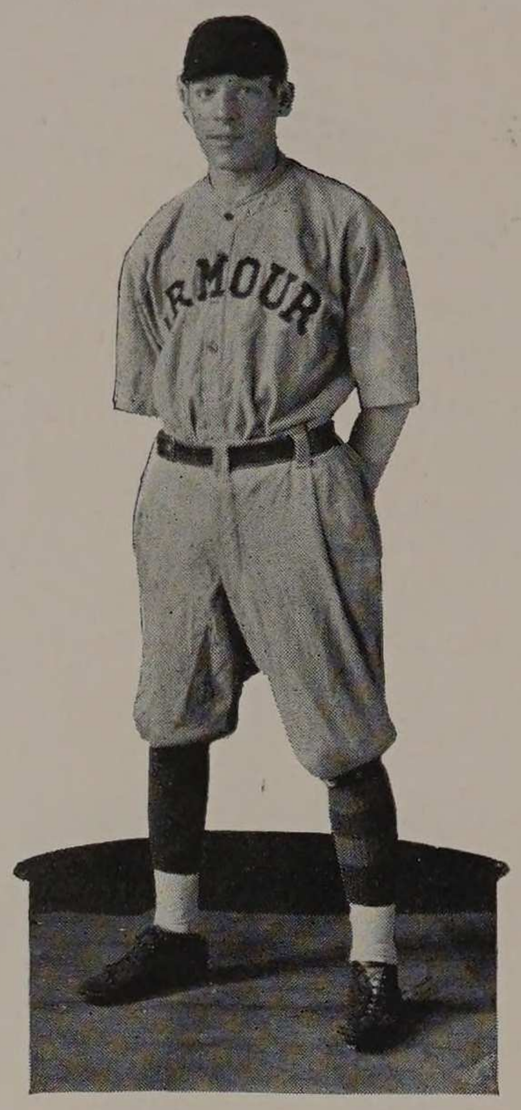
DESMOND

An Irishman who can tickle the ivories, roll a mean pair of bones, and still makes a good ball player. He practically ruined his arm the previous year but "came back" in the outfield with a wonderful game. He was especially good in squeeze plays—both kinds.



ANDERSON

Andy was one of the fastest men that ever donned a catcher's mit for the Varsity. He could throw like Ray Schalk and never signaled for the wrong ball. He graduated after last season's work.



WITASKIS

"Witt" was a first-class second-baseman. His speed and cooperation helped the team to many a victory. He isn't in school this year but we hope to see him return for the 1923 season.



PLOCAR

"Ploc" played in centerfield and was a consistently heavy hitter. Whenever the sphere made connections with the hickory—how that ball would ride! His brother takes the place left open by John's graduation.



ANDRECZLZYK

This rangy northsider pitches with his head as well as with his hands. "Andy" has three more years to play so we are expecting great things of him.



O'BRIEN

"O'B" was seen at third, second, and in the outfield last year. He is playing outfield this season and still has another year to play. He is a good steady man, and bats well up toward the .300 mark.

HARDWICKE

Hardwicke started out at 1st, but played in the outfield most of the year. He is the only southpaw on the squad and we are expecting big things from him this season.

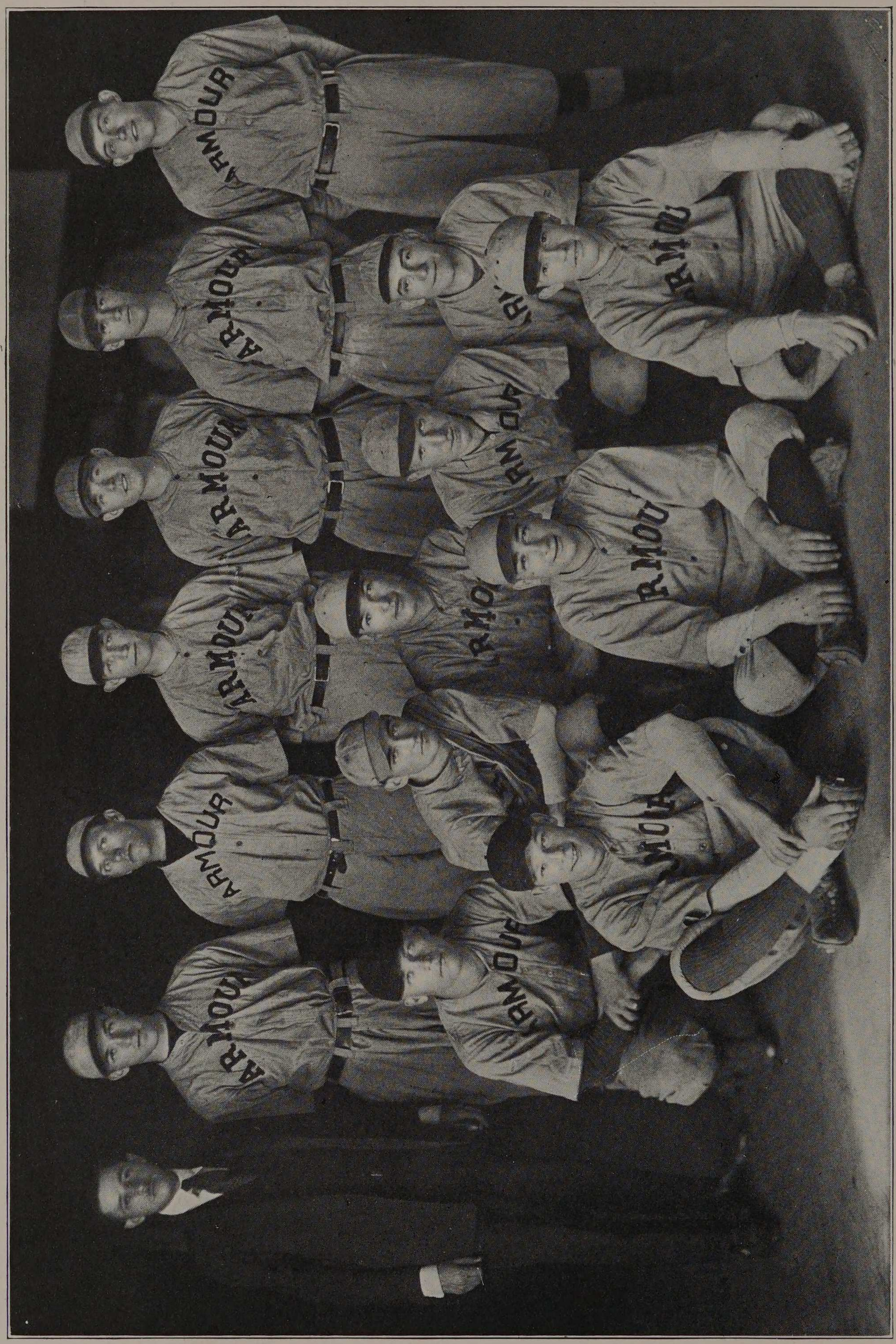
WALK

Walk was behind the bat when the season opened and played a good steady game throughout. We hope to see him on the diamond again this season.

BASEBALL SCHEDULE 1921

April	2	Armour	9	Elmhurst College 8 at Armour
April	9	Armour	2	Northwestern University 7 at Evanston
April	12	Armour	1	University of Chicago 11 at Stagg Field
April	15	Armour	9	Augustana College 9 at Armour (10 innings)
April	19	Armour	2	Concordia Teachers' College 0 at Armour
April	23	Armour	7	Knox College 4 at Galesburg
April	30	Armour	7	Lake Forest College 6 at Armour
May	4	Armour	17	Beloit College 6 at Armour
May	6	Armour	20	Bradley Polytechnic Institute 7 at Armour
May	7	Armour	11	Augustana College 1 at Rock Island
May	11	Armour	10	Elmhurst College 2 at Elmhurst
May	14	Armour	4	Knox College 8 at Armour
May	16	Armour	4	Lake Forest College 3 at Lake Forest
May	17	Armour	7	Bradley Polytechnic Institute 4 at Peoria
May	20	Armour	3	Valparaiso University 7 at Valparaiso
May	21	Armour	15	Concordia Teachers' College 7 at Oak Park
May	23	Armour	9	Valparaiso University 0 at Armour
May	24	Armour	3	De Pauw University 0 at Greencastle

ATHLETICS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PROSPECTS FOR 1922 VARSITY BASEBALL TEAM

Practice started in the gym on February 15 and continued every night up until time for the team to go out for outside practice. The men left from the 1921 squad together with the new material should make this year's team one of the best that ever represented this school.

A schedule of twenty-three games, with leading colleges throughout the middle-west, has been arranged and everything looks bright for the coming season.

BASEBALL SCHEDULE, 1922

American College at Armour, April 7
Concordia College at Armour, April 11
DePaul University at Armour, April 14
Wisconsin University at Armour, April 17
DeKalb Normal College at DeKalb, April 19
Columbia College at Dubuque, April 20
Des Moines University at Des Moines, April 21
St. Ambrose College at Davenport, April 22
Lake Forest University at Armour, April 25
DePaul University at DePaul, April 27
Chicago University at Stagg Field, May 2
Bradley Polytechnic Institute at Armour, May 4
Columbia College at Armour, May 5
Concordia College at River Forest, May 10
Bradley Polytechnic Institute at Peoria, May 11
Des Moines University at Armour, May 13
Northwestern College at Naperville, May 17
Notre Dame University at Armour, May 19 (tentative)
St. Viator's College at Bourbonnais, May 20
Lake Forest University at Lake Forest, May 23
Purdue University at Armour, May 27

INTERCLASS BASKETBALL

Interclass basketball was started off with a great deal of enthusiasm and hot rivalry, and after the smoke had cleared, the Sophs had the championship. The series opened with the Senior-Sophomore game. The Sophomore team, strengthened by the addition of McLaren, Spaid and Norton, proved too much for the doughty upperclassmen and they went down to defeat. However, they deserve credit for the showing that they made with the squad that turned out. The Freshmen, with a large squad and promising material, presented a formidable combination that defeated both the Seniors and the Juniors but in a close and well-fought game, lost to the Sophomores by one basket. The Juniors weakened by the loss of some of their "A" men, put a team in the field that caused plenty of trouble and left the impression on their opponents that there had been a basketball game. The tournament was a great success this year and its function, namely, that of discovering new material for the Varsity, was well carried on. McLaren, Spaid, and Farrell of the Sophomore squad, and Greenleaf and others of the Freshman bunch, are making good on the Varsity and helping Armour win basketball games.

After the grand success of our inter-class basketball tournament let's hope that other activities between the classes will be fostered and so bring more men and new material into use for other successful Varsity teams.

Members of the winning Sophomore team are: Capt. Ruddiman, McLaren, Spaid, Norton, Zalewski, Ciha, Gardner, Wells, Fitzsimmons, Olson, and Farrell.

Senior	Junior	Freshman	
Swenson	Christensen	Springer	Plocar
McCaffrey	Sloan	Greenleaf	Hanson
Rieger	Biever	Burman	Westerberg
Wittenmeier	Morgan	Geiger	Robinson
Olsen	Rothberg	Rose	Conroy
Herbst	Hellar	Jacobson	Owens
	Hess	Pryzibilski	Witcombe
	Zingheim	Burke	Dairs

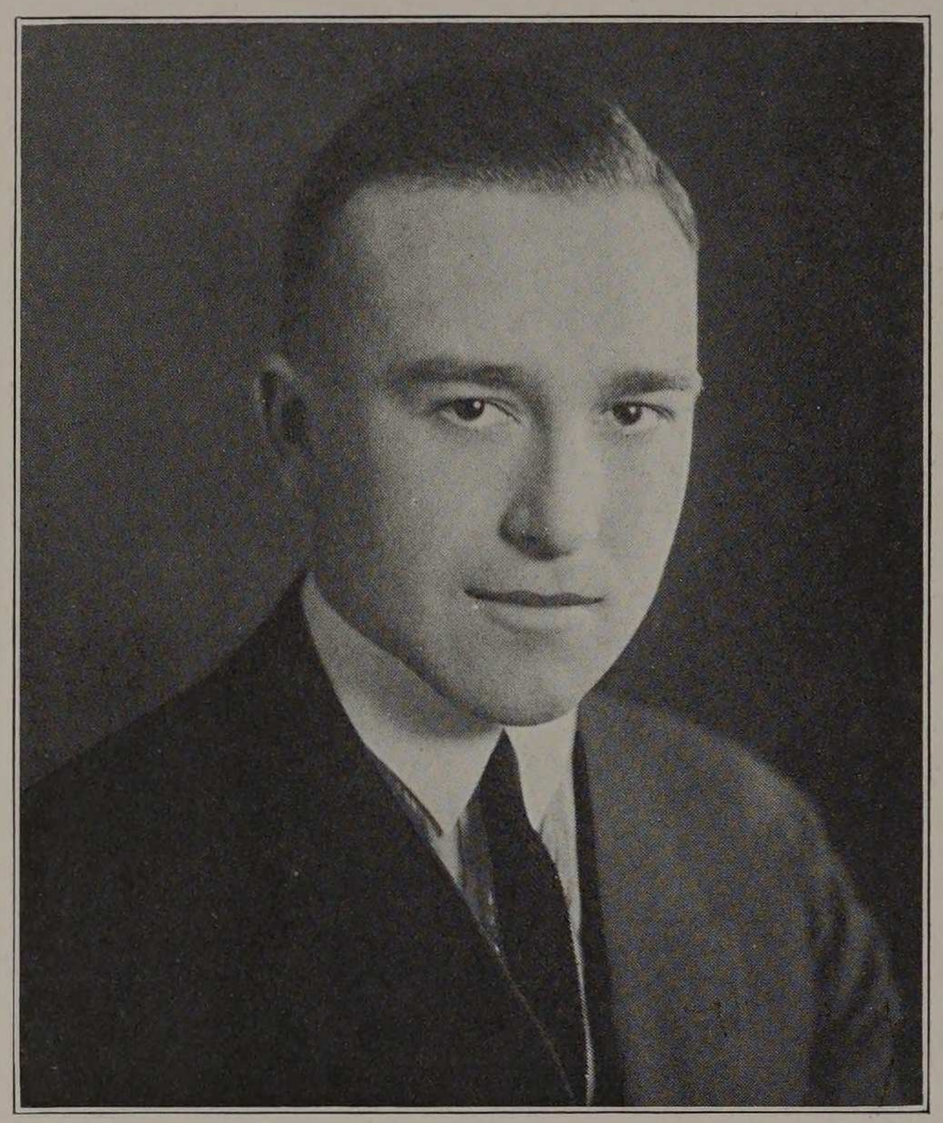
INTERFRATERNITY BASKETBALL

With the playing of the interfraternity basketball tournament last fall, permanent inter-fraternity athletic relations were established in school. The call for entrants brought forth contending teams from five fraternities. Unlimited interest and good natured rivalry was displayed and the gymnasium was crowded at every contest.

The Beta Phi team with its three Varsity men was conceded the best chances of winning, but from the unknown talent distributed among the several houses, they were expected to receive keen competition.

However, the Schumacher-May-Kuehn combination proved to be too much for the opposing teams and Beta Phi laid undisputed claim to the championship by virtue of its four consecutive wins and no defeats. Second place resulted in a tie between the Delta Tau Delta and Sigma Kappa Delta teams, who each had won two games and lost the same number. By winning a hard fought game at the end of the tournament, the Phi Kappa Sigma entrant tied the Omega Lambda team for fourth place with a rating of .333.


SOCIETY.



SOCIAL COMMITTEE

of the

SENIOR CLASS

F. G. Hochriem, *Chairman.*

A. A. Davis

R. O. Miles

M. R. Olson

J. B. Thompson

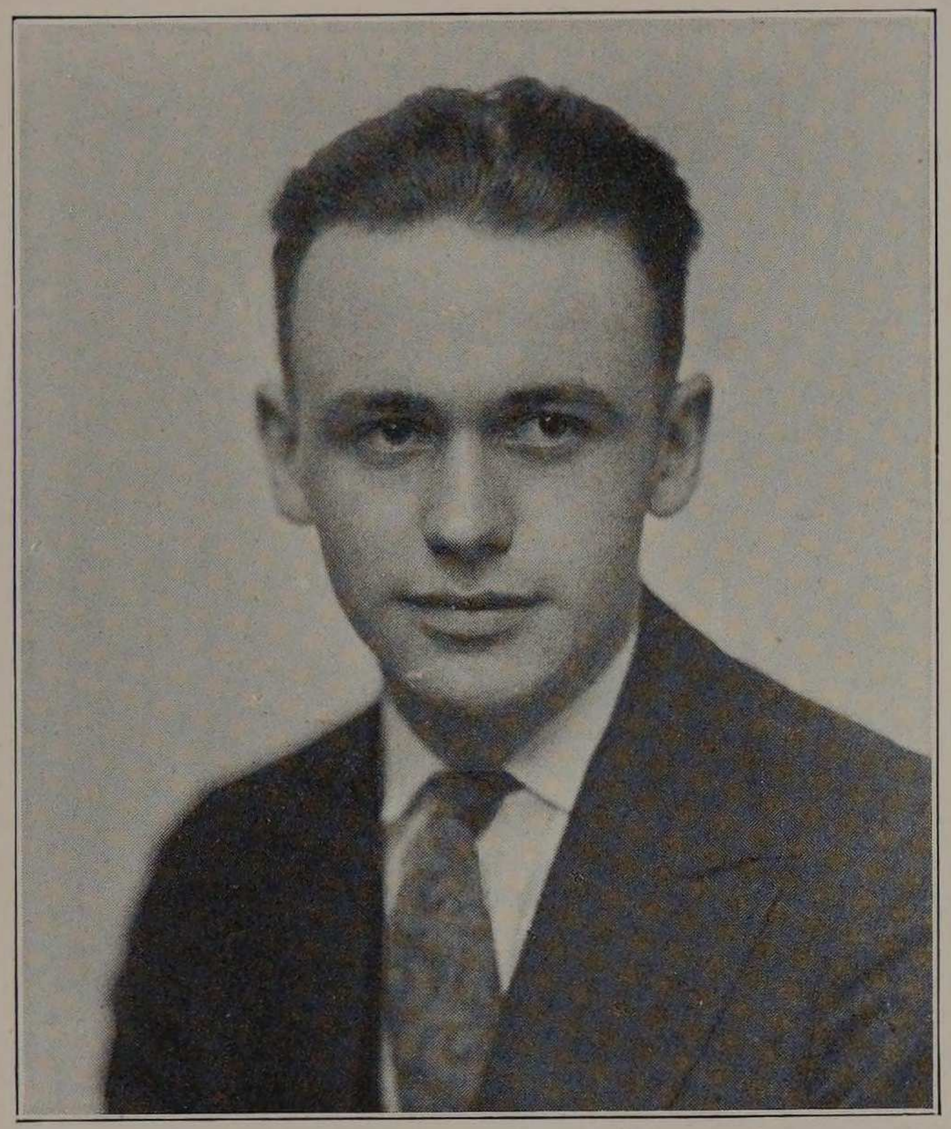
SENIOR DANCE

November Eleventh, Nineteen Twenty-one

Being Seniors, they had to produce, so they held their dance at the Drake, in the French Room. Never in the history of Armour Institute had the school responded to a dance as it responded to this one. But then, "who'd a thunk" that the whole durn school would turn out? While it was crowded (we'll admit it), the spirit that prevailed was "the more, the merrier." Anyhow, nowadays we don't need horizontal clearance, all we need is vertical clearance and there was plenty of that.

And the music—well, it was the cat's meow, colloquially speaking. We are casting no reflection on the orchestra.

But the main thing was to have a good time and this was evidenced by the number that stayed until the end at 1 A. M. The Drake Hotel with its spacious and luxurious lobbies and its snug little nooks furnished a splendid setting for the affair. There is only one thing the Seniors regret, and that is, that they can not run another dance next year.



SOCIAL COMMITTEE

of the

JUNIOR CLASS

E. F. Sisson, *Chairman*

O. L. Cox

G. Schumacher

R. P. Jensen

L. A. Kaye

JUNIOR DANCE

The Junior Dance, like the Senior affair, was held in the French Room of the Drake. It was a typical '23 party—even the music being by members of the Junior Class. Bob Bradley and Bill Blaufuss played alternately with their respective orchestras and much competition was had between the two. The close of the evening came all too soon for the many dancers, who will always look back on this as one of the best of Tech dances.

Much credit is due Sisson and the members of the Junior social committee whose efforts produced this dance.



SOCIAL COMMITTEE

of the

SOPHOMORE CLASS

D. B. Scoville, *Chairman*

W. E. Schweitzer

W. J. Brinkman

R. E. Freeman

O. E. Heartstedt

SOPHOMORE DANCE

The Sophomores gave their first dance February seventeenth in the Louis XVI Room of the LaSalle Hotel. This, the first effort of the Class of '24, was a typical Armour Institute dance and promises well for next year's Junior parties. The music was by Bob Bradley's orchestra, which, needless to say, was the best. The social committee had done its work well as those present will testify, and succeeded in making their dance one of the most brilliant of the season. The social committee is to be complimented on its splendid showing.



SOCIAL COMMITTEE

of the

FRESHMAN CLASS

J. S. Greenleaf, *Chairman*

W. J. Macauley

A. Q. Seaholm

S. Owens

FRESHMAN DANCE

The Class of Nineteen Twenty-five held its first dance in the Red Room of the LaSalle April twenty-first. The Freshmen demonstrated that they possessed the real Armour Institute pep and spirit by giving us a dance that stands as a mark for future classes to shoot at. The room needs no description and the music was by Walter Ford's six-piece orchestra and the many engineers and their "sweet women" only stopped long enough to regain lost breath. To make the evening a perfect one, the music played until one o'clock, when the crowd reluctantly left.

THE SECOND ANNUAL INTER-HONORARY FRATERNITY DANCE

given at

THE LINCOLN PARK REFECTORY

FEBRUARY 10, 1922

Commiitee in Charge:

E. M. SEABERG, *Tau Beta Pi* — W. T. GRAY, *Phi Lambda Upsilon*

R. O. MILES, *Eta Kappa Nu* — W. J. MCCORMACK, *Scarab*

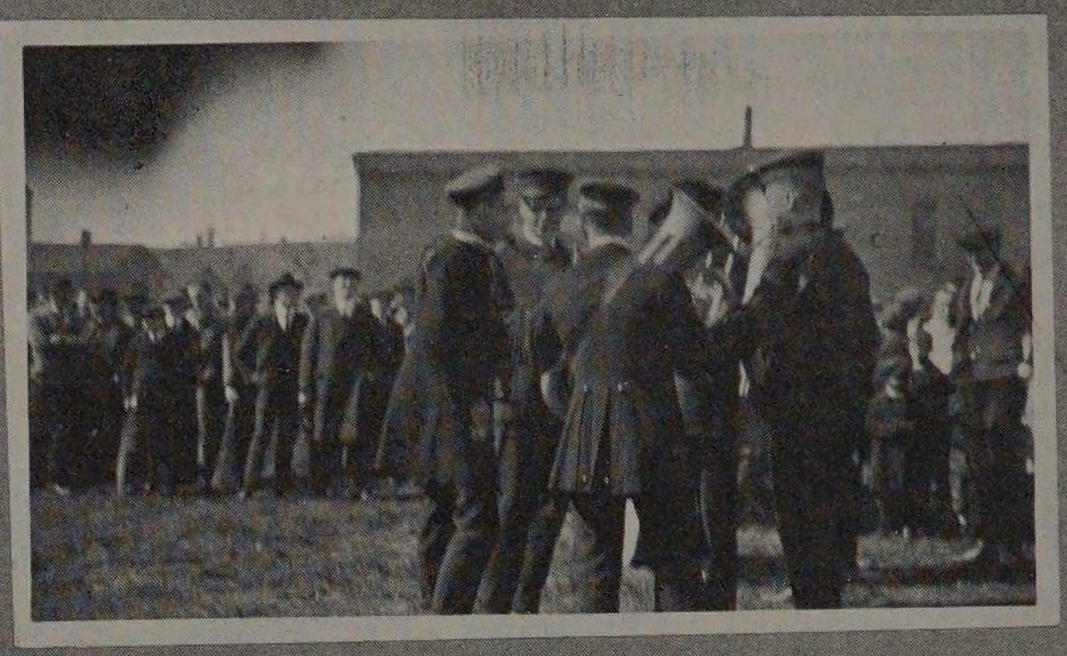
On the evening of February 10, 1922, there gathered at the Lincoln Park Refectory a representative group of members of the four Armour Tech Honorary Fraternities, Tau Beta Pi, Eta Kappa Nu, Phi Lambda Upsilon, and Scarab. The group contained about thirty-five members and an equal number of guests.

The purpose of the gathering was to have the best time possible through the media of Goodheart's famous orchestra and the other "props" necessary for a good dance, and, needless to say, the dance was voted a huge success by everyone present.

An affair like this always evokes the thought that some members of the honoraries must have dual personalities, being disciples of both Terpsichore and whoever is the god or goddess of the midnight oil.


JUNIOR WEEK
E.A. JOHNSON



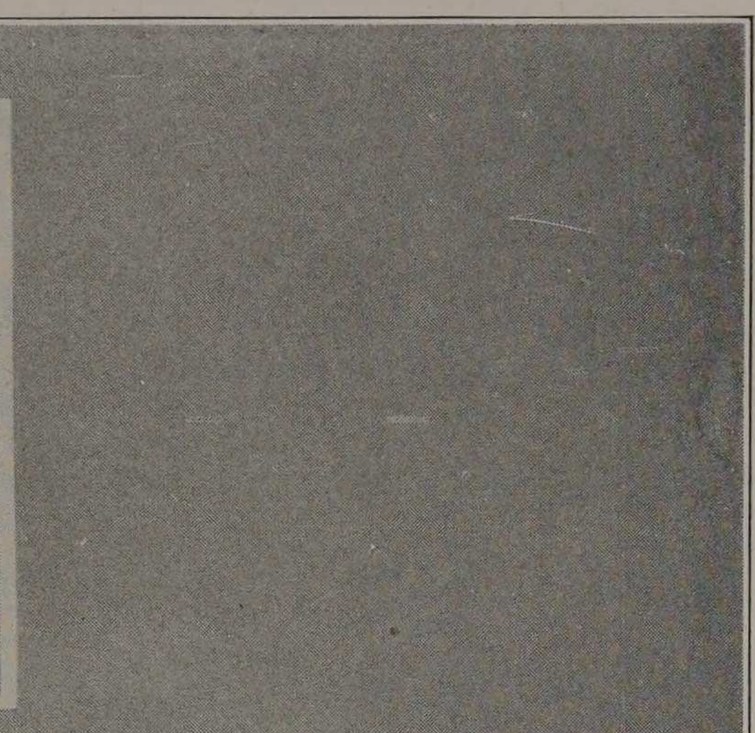






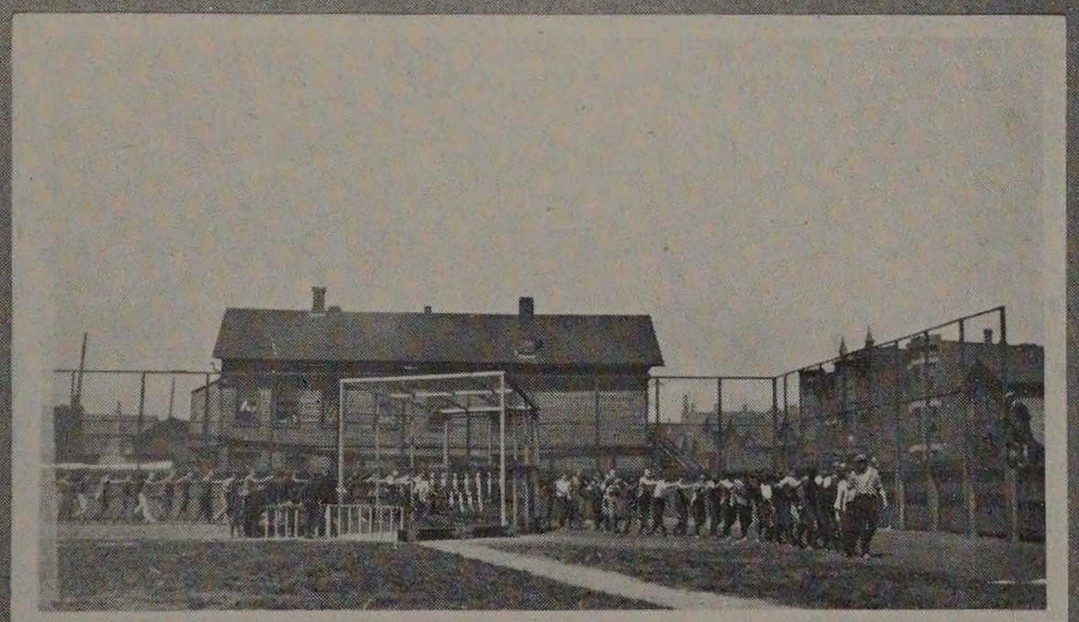












CIRCUS DAY

MAY FIFTH, NINETEEN TWENTY-TWO

Circus Day, Nineteen Twenty-two, will long be remembered as one of the most successful ever held at Tech. The committee, headed by Colby and Stantial, had done its work well and the events were run off like clockwork.

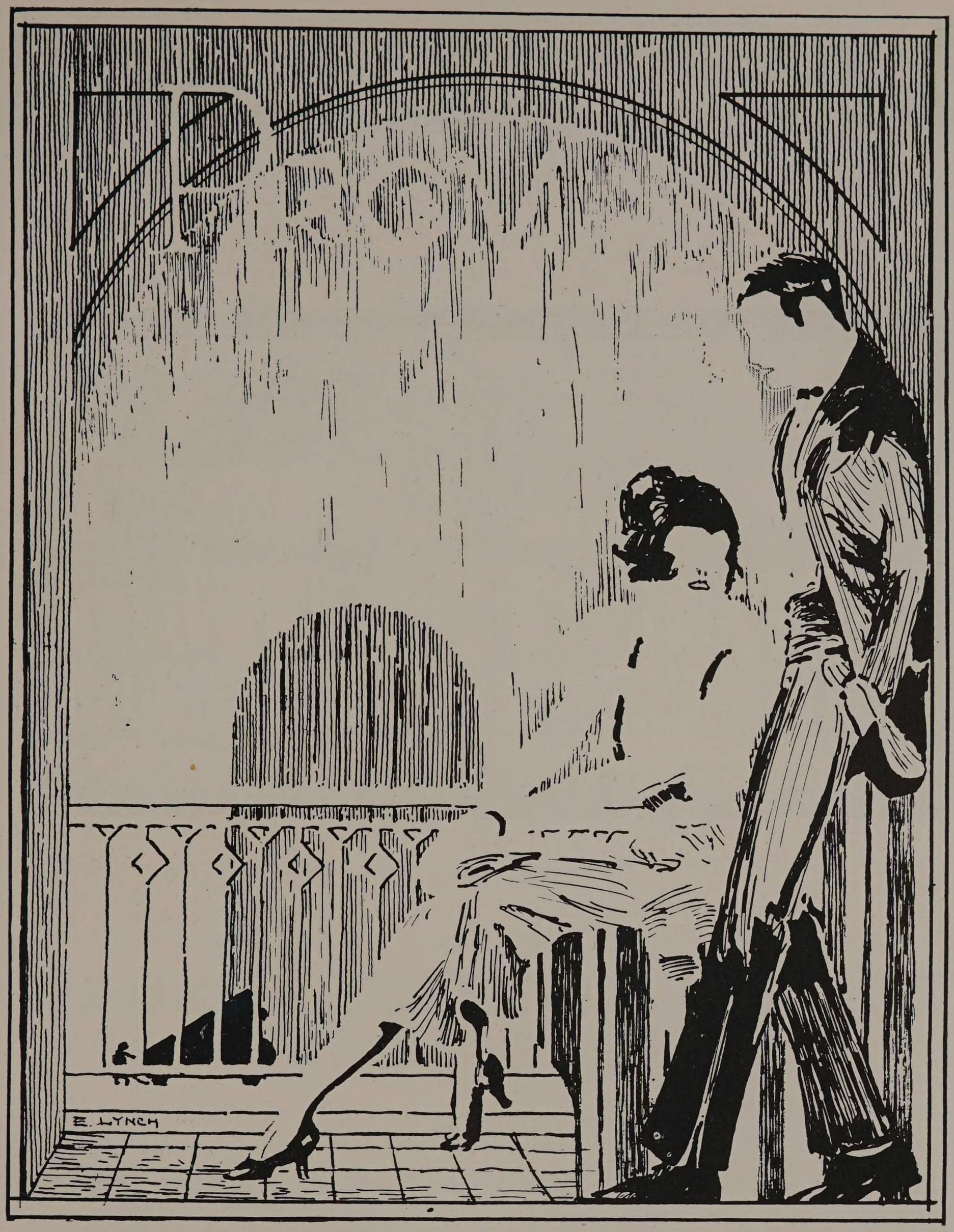
The great day was started by a parade of the band and every student who was to take part in the events, the parade forming at Thirty-fourth Street and Michigan Boulevard, and proceeding north to Thirty-third and then to Ogden Field.

The biggest attraction and perhaps the most important event was the Freshman-Sophomore Sack Rush. The intense rivalry between the two classes was manifested in some slight skirmishes prior to the big battle and reached a climax when the starting gun was fired. The fight was on. The rush of Nineteen Twenty-two proved to be one of the most exciting ever held at Armour Institute and was a fitting opening for the day's program.

After the dead and maimed had been removed from the field the remainder of the entertainment followed, a baseball game with Columbia College (NOT the Columbia School of Expression) ending the program.

The principal events of the day were:

1. Parade
2. Inter-Fraternity Pageant
3. Freshman-Sophomore Sack Rush
4. Inter-Fraternity Relay
5. Inter-Class Relay
6. Finals between Relay winners
7. Baseball Game—Armour Institute *vs.* Columbia College

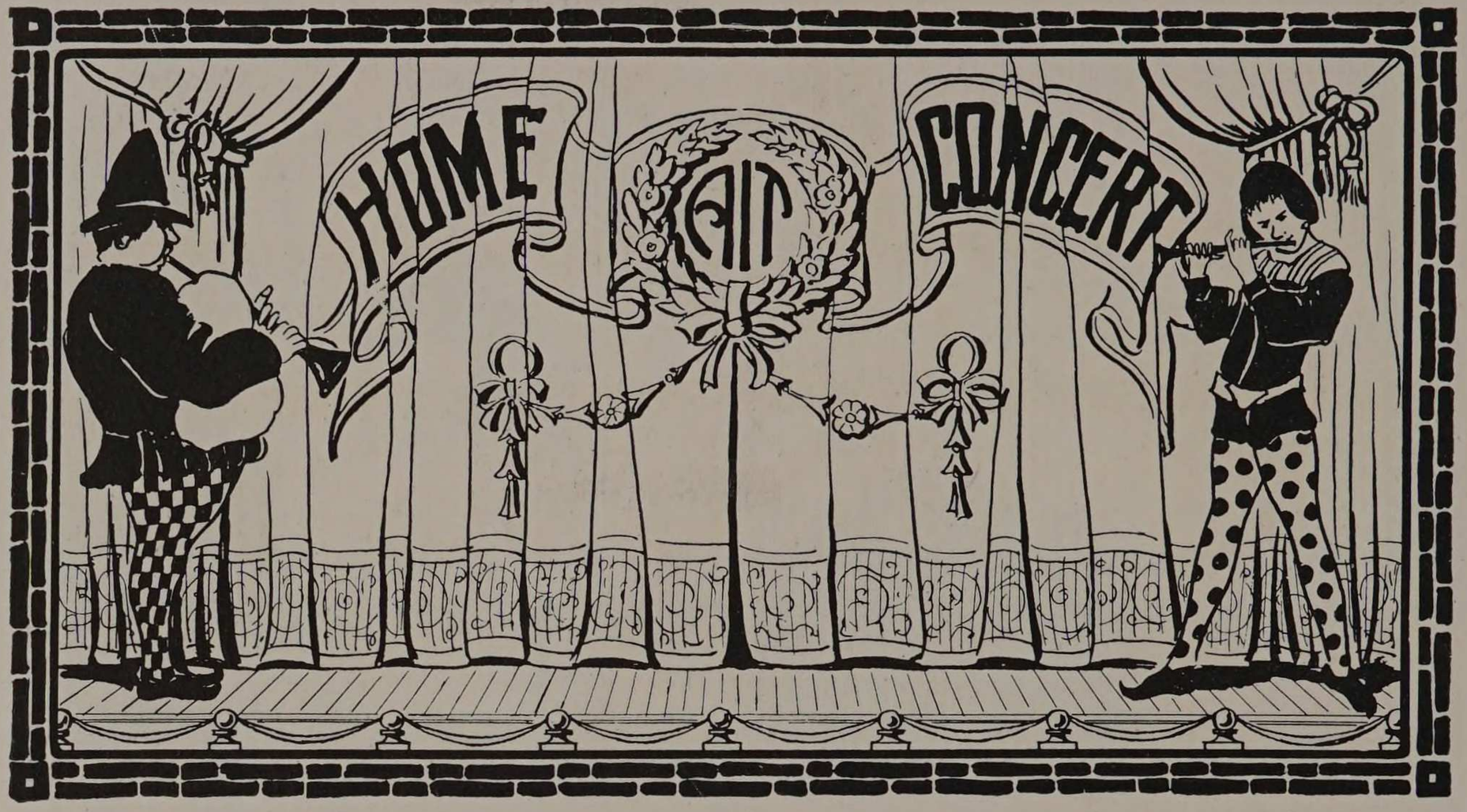


THE JUNIOR PROM

MAY FIFTH, NINETEEN TWENTY-TWO

The Junior Prom concluded the social season at the Institute and will go down in college history as one of the finest ever given. The Crystal Ballroom of the Blackstone was selected as the proper setting for such a gorgeous affair and never was more beautiful than on that night. The musicians fairly outdid themselves and played encore after encore.

The Junior Class spared neither time nor effort to make the Nineteen Twenty-two Prom the best of its kind and it was richly rewarded. The social committee worked hard and faithfully and deserves much credit for the success of the Prom.

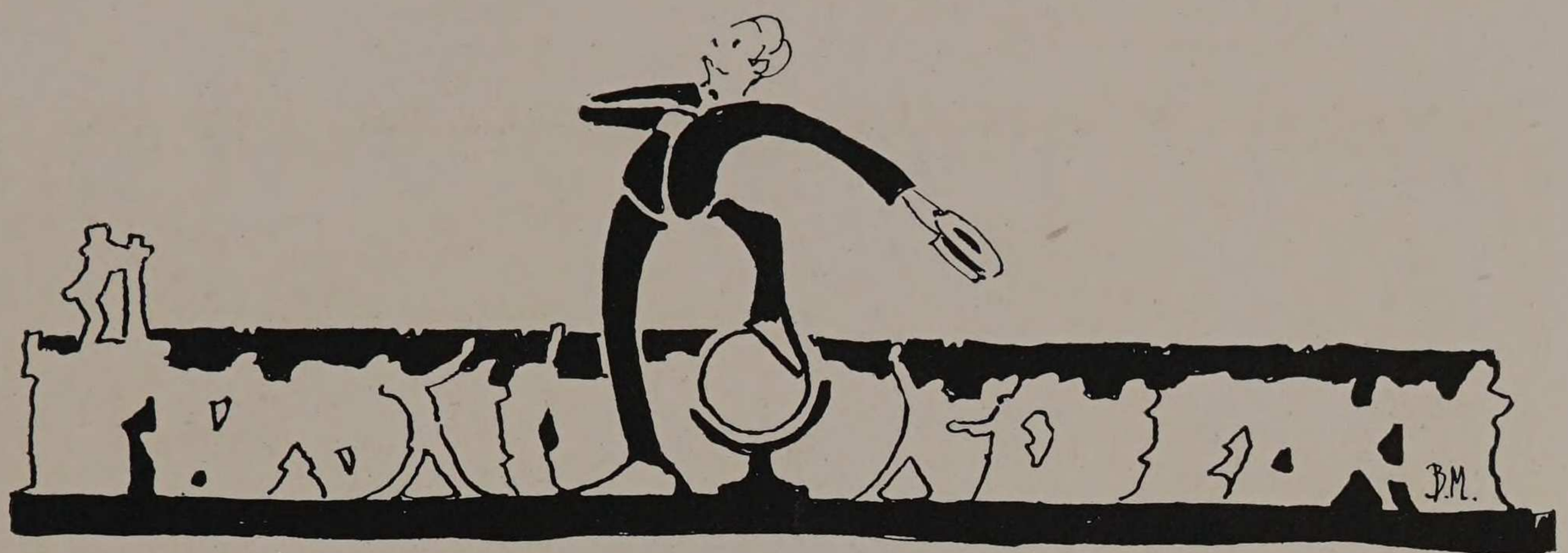


THE TWENTY-FIRST ANNUAL HOME CONCERT

ARMOUR TECH MUSICAL CLUBS

The Twenty-first Annual Home Concert was held at the Aryan Grotto Theater, April seventh. It had been planned this year to make this event a home-coming for the alumni of the Institute, with the result that many old grads returned and renewed old acquaintances and again came into close touch with the Institute activities.

The complete program was a monument to the hard work and months of practice the clubs had put in and every number was enthusiastically received. The finished exhibition demonstrated the ability of Professor Leigh as director and proved that Tech can produce a Glee Club second to none.



The Freshman Handshake, the annual get-together of the Frosh and upperclassmen, was held at the Hyde Park Y. M. C. A. The large enrollment of the Freshman class promised a full attendance and more freshmen than ever before were present.

The evening started with much talking, some billiards and general introductions. At eight o'clock the bunch assembled in the auditorium and the entertainment committee proved that it had been on the job. Some members of the Jazz Band were on deck with their horns and fiddles and kept things lively during the evening. Dr. Scherger started the speechmaking with a few remarks and was followed by Mr. Hollister of the Central Y. M. C. A., who explained the purpose and work of the Student Branch and the relation between it and the Central organization. Talks on athletics and student activities were eagerly listened to and the Honorary fraternities, the "Engineer" and the "Cycle" were introduced to the new men. The committee had secured the services of one "Mirza, the Man of Mystery," who entertained with many puzzling tricks, a few of which were explained to the audience. The Jazz Band closed the program with some of the latest music.

The next event was a basketball game in the gym, followed by swimming races. Refreshments, consisting of cider and doughnuts, were served by some of the noble seniors thus bringing to a fitting close one of the most successful handshakes ever held at the Institute.

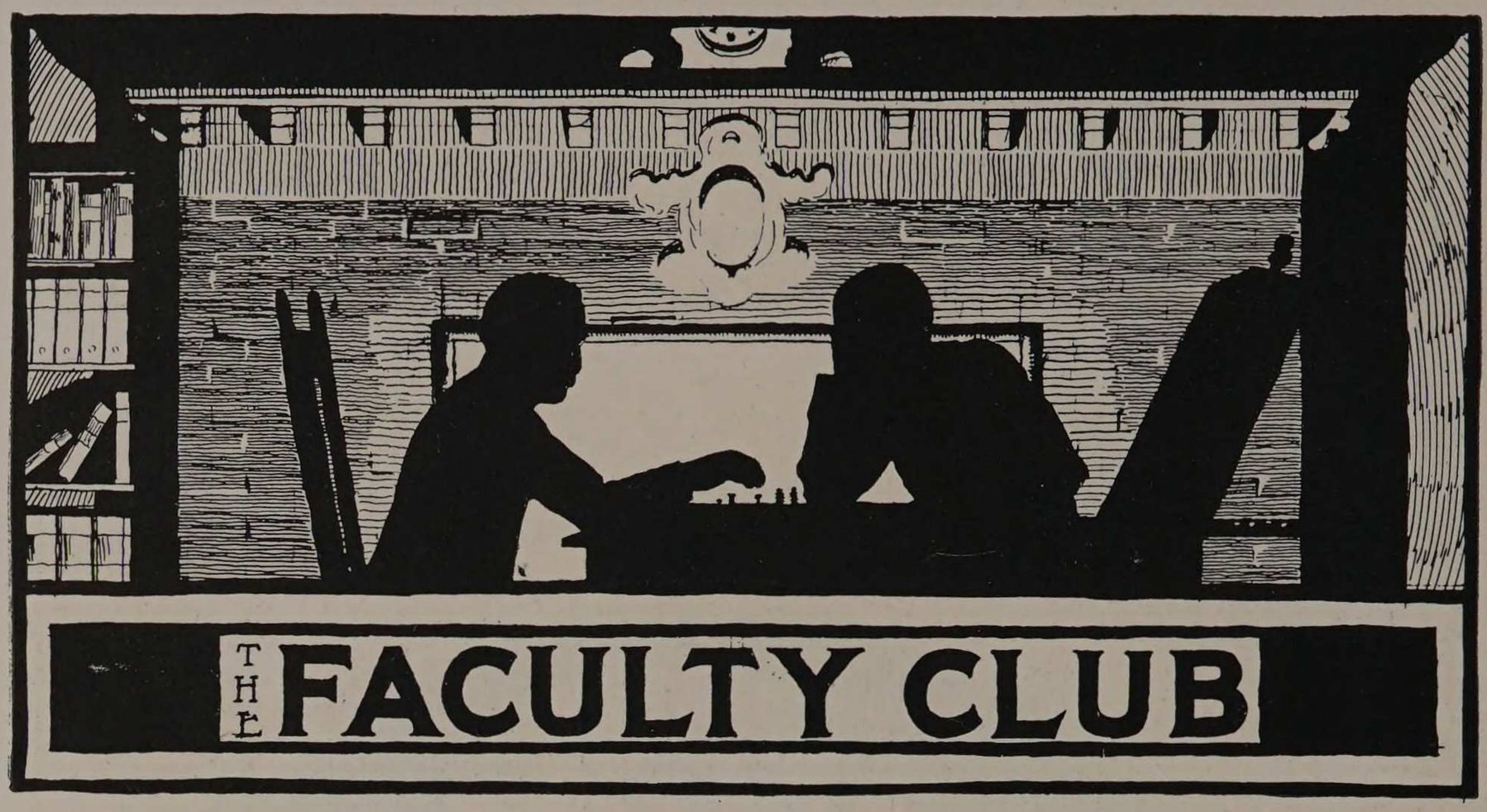
HORSE SENSE

If you work for a man, in heaven's name, work for him. If he pays you wages that supply you your bread and butter, work for him, speak well of him, think well of him, stand by him, and stand by the institution he represents. I think if I worked for a man I would work for him. I would not work for him a part of his time, but all of his time. I would give him an undivided service or none. If put to a pinch, an ounce of loyalty is worth a pound of cleverness. If you must vilify, condemn and eternally disparage, why, resign your position, and when you are outside, damn to your heart's content. But, I pray you, so long as you are a part of an institution, do not condemn it. Not that you will injure the institution—not that—but when you disparage the concern of which you are a part, you disparage yourself.

—*Elbert Hubbard.*

ORGANIZATIONS





OFFICERS:

F. U. SMITH ..... *Honorary President*
C. I. PALMER ..... *President*
O. C. CLIFFORD ..... *First Vice-President*
H. L. NACHMAN ..... *Second Vice-President*
N. LESSER ..... *Secretary*
J. J. SCHOMMER ..... *Treasurer*

HONORARY MEMBERS:

J. Ogden Armour
F. U. Smith
James Little

LOAN FUND COMMITTEE:

G. S. Allison
H. M. Raymond
L. C. Monin
G. F. Gebhardt
E. H. Freeman

This organization provides a gathering place and rest room for members of the faculty to recuperate from their strenuous endeavors to teach the young idea to sprout. The student body rarely gets a glimpse of this sanctum sanctorum. There the professors can drop their stern dignity and enjoy themselves without fear of losing their hold on the students.

It is to be expected that the atmosphere of the club would be highly intellectual, and so it is. The prohibition question is settled daily. Momentous problems such as where the best fishing exists, how to make a successful masse shot, and how best to render aid to impoverished farmers arouse heated discussions, cause many a billiard game to be lost, and fill the air with brilliant comments and dense tobacco smoke.

On the other hand, it is not supposed to be known that this is where notes are compared on notorious classroom characters and thumbs up or down decided for such individuals.

The event of the year was the fall smoker and entertainment that the club held in its quarters. A large gathering showed its appreciation of the events of the evening. Student talent contributed a large part in making this evening the success that it was.

MUSICAL



CLUBS

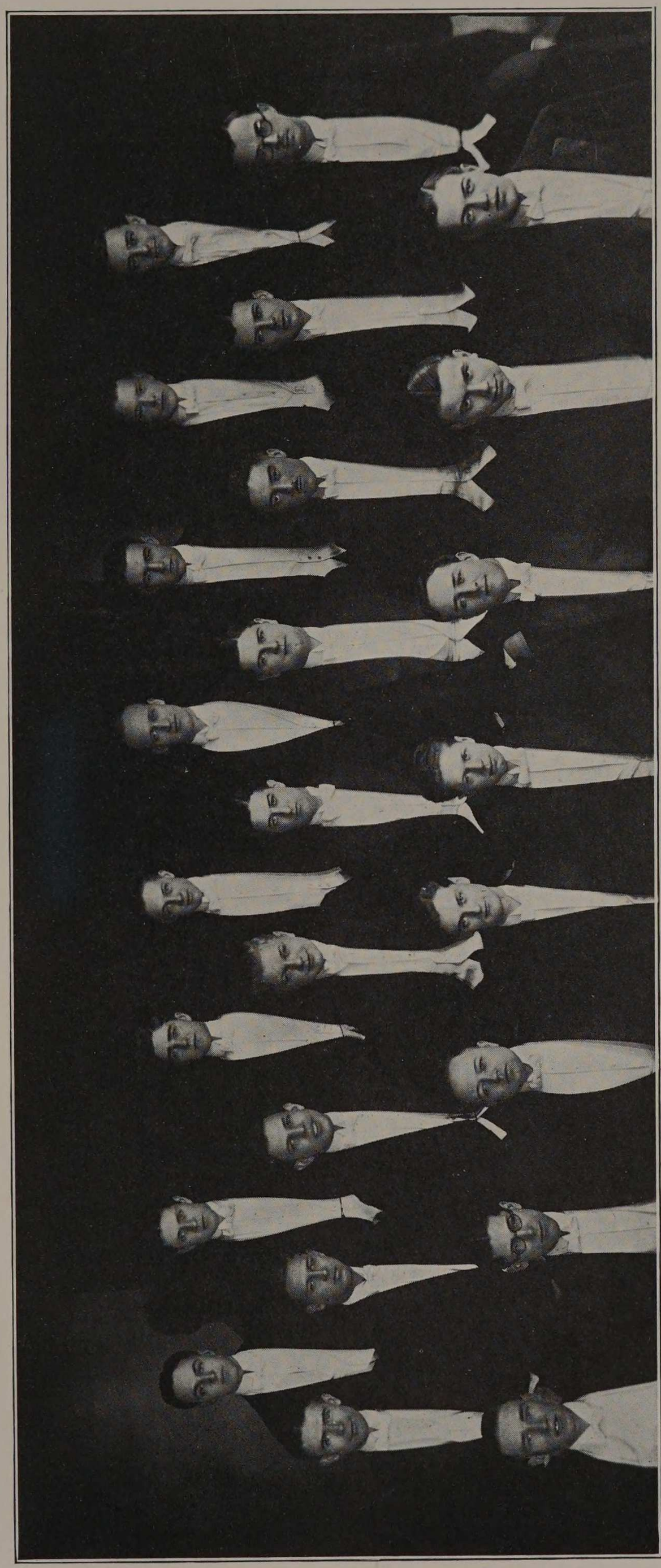


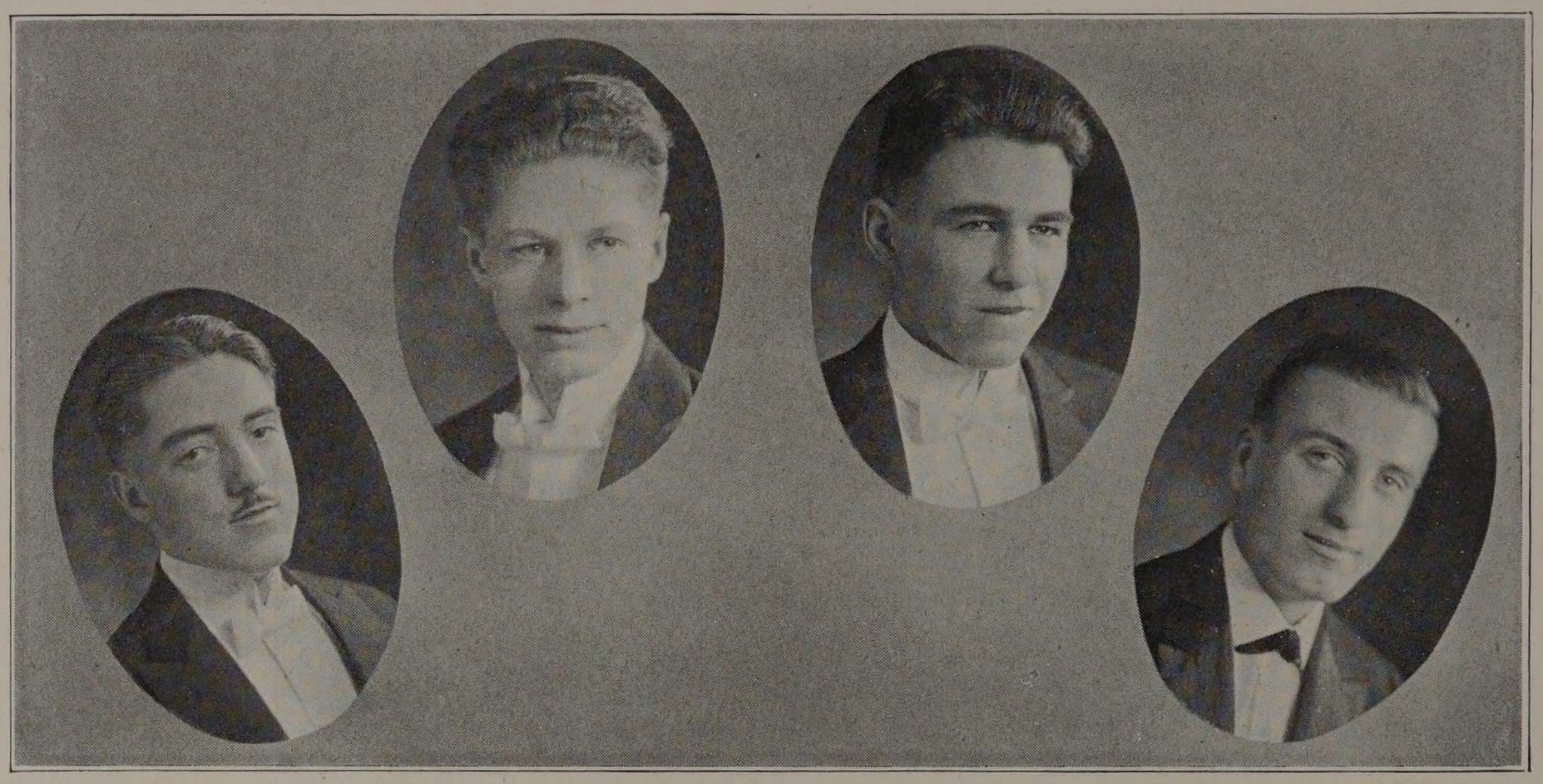
THE ARMOUR TECH MUSICAL CLUB

The musical talent of Armour Institute is now being encouraged and fostered by a new organization, which replaces the old Glee and Mandolin Clubs. The new society is called the Armour "Tech" Musical Club, and is organized under as strong a constitution as could be formulated by the combined efforts of the Office of the Deans, a faculty representative, and a few embryo engineers.

The Club has been in great demand both in school affairs and for outside engagements. This is due jointly to the spirit of the Club under its new regime and to the tireless efforts of Professor Leigh, who directs it. The repeated calls for more performances which have greeted the Club after each appearance are the best tribute that it could receive.

We are very much indebted to the members of Theta Xi for the use of their house, in which the orchestra practiced in preparation for the home concert, and take this opportunity to thank them for their hospitality.





THE GLEE CLUB

PROF. C. W. LEIGH ..... *Director*
R. O. MILES ..... *President*
JEFF CORYDON, JR. ..... *Secretary*
J. W. MCCAFFREY ..... *Treasurer*
C. M. KIRKHUFF ..... *Manager and Pianist*
E. A. GOODNOW ..... *Leader*
N. D. JONES ..... *Librarian*

FIRST TENOR

J. B. Thompson — J. Corydon, Jr.
G. D. Crane — H. C. Friedman
H. M. Hedges

SECOND TENOR

G. H. Kelley — W. R. Rilling
J. W. McCaffrey — J. H. Goodmanson
H. E. Nicholson — J. G. Johnson
D. B. Scoville

FIRST BASS

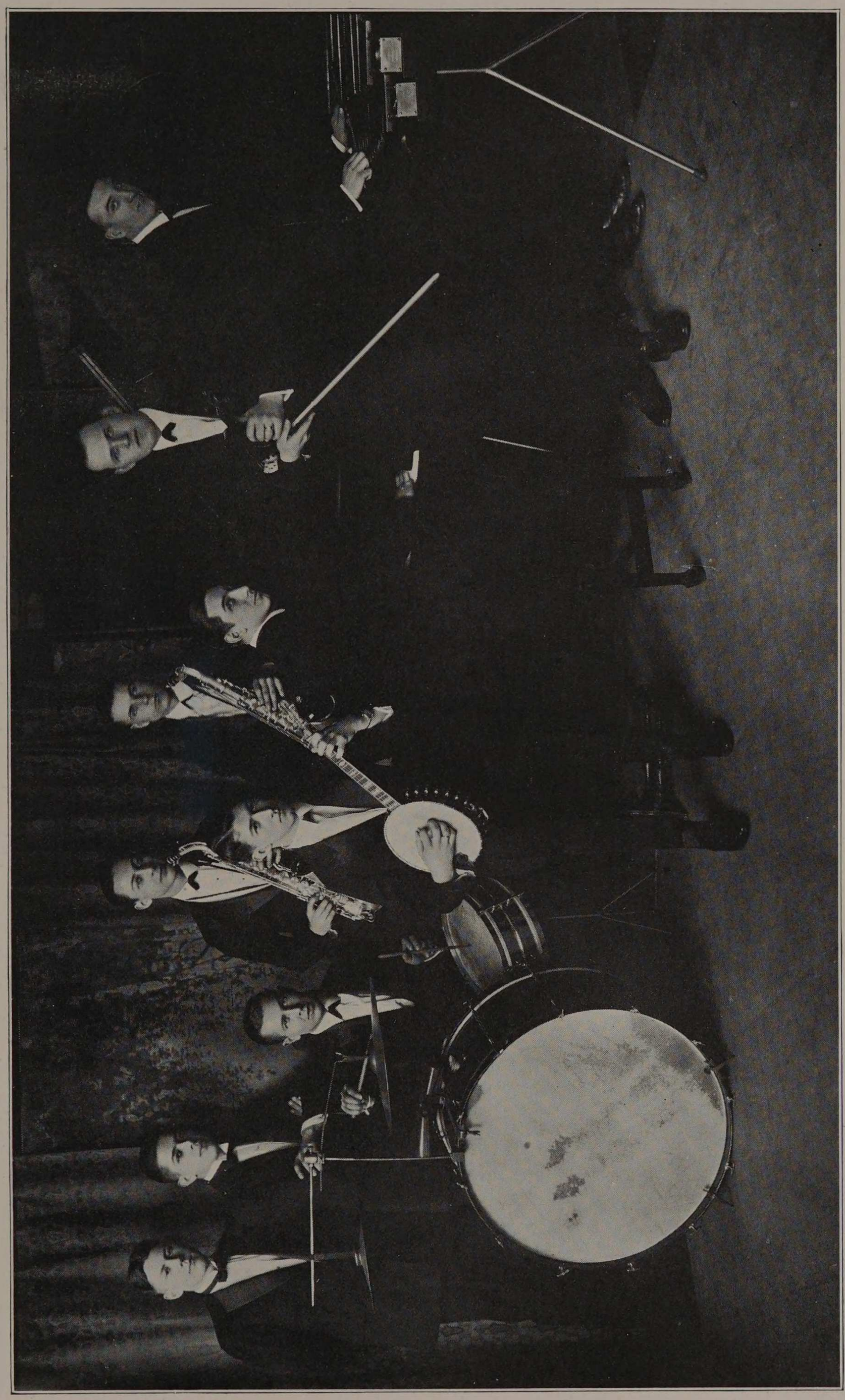
E. A. Goodnow — M. S. Johnson
O. L. Cox — J. C. Whitfield
N. D. Jones — E. F. Resche
E. C. Hedges — F. E. Jarvis

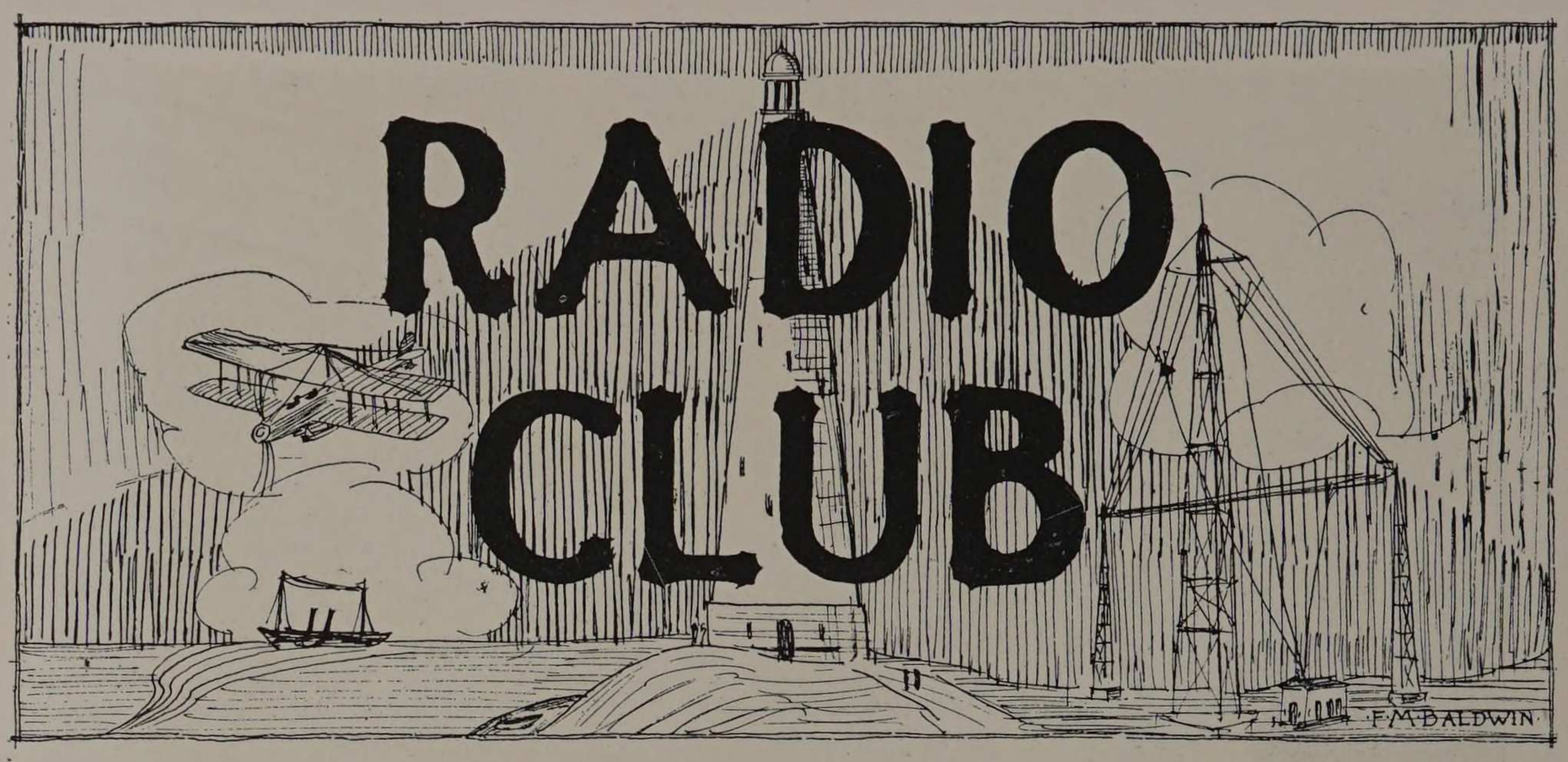
SECOND BASS

E. F. Dhus — L. G. Miller
R. O. Miles — E. S. Tener
C. M. Kirkhuff — F. V. Walters
M. C. Nutt

ORCHESTRA

E. C. RIEGER ..... *Leader*
W. B. Blaufuss ..... Piano
J. S. Greenleaf ..... Saxophone
E. Herskovitz ..... Saxophone
I. Ivanauskus ..... Violin-Saxophone
R. A. Temple ..... Banjo
G W. Lovald ..... Drums
E. C. Rieger ..... Xylophone





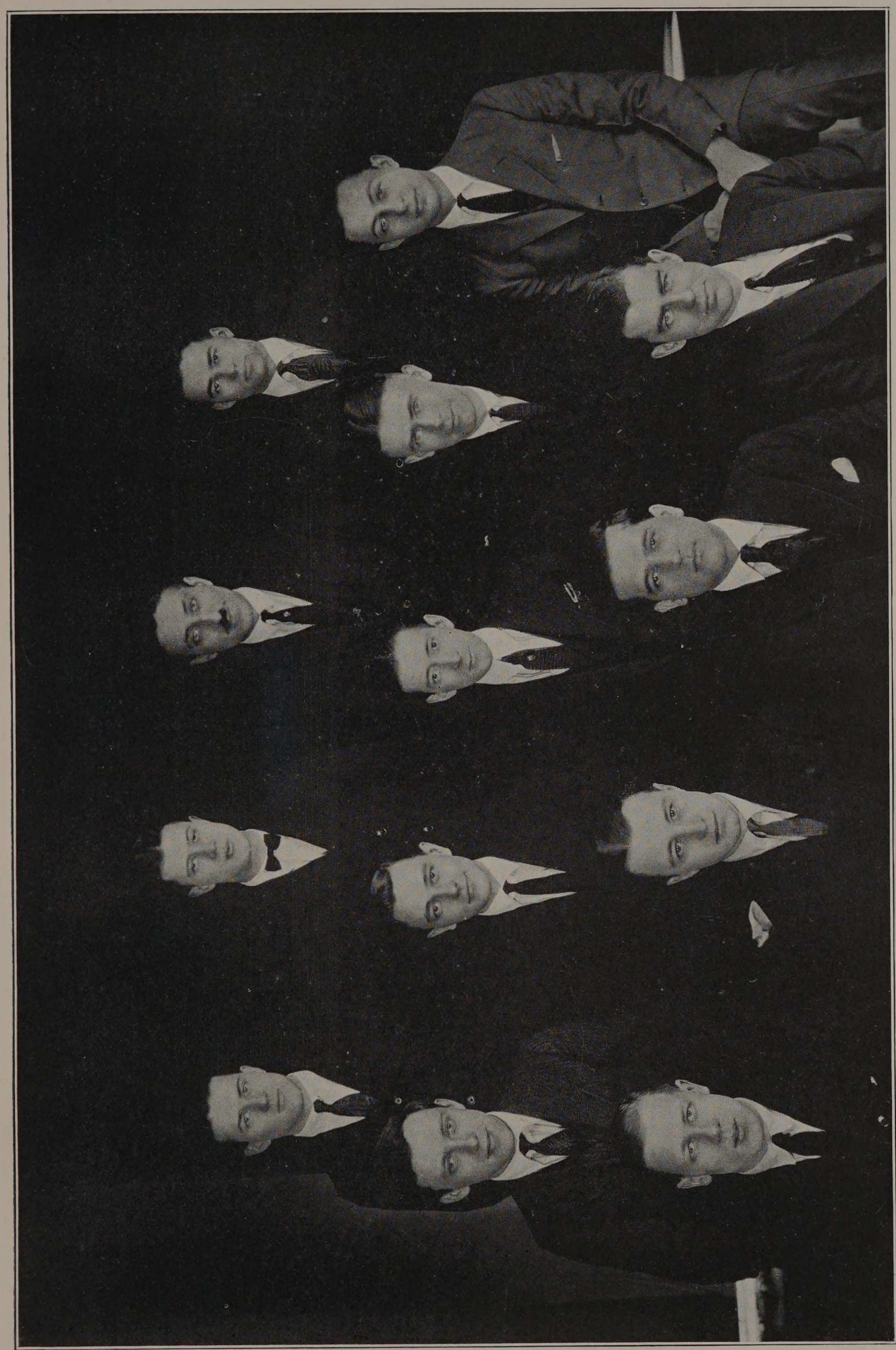
ARMOUR RADIO ASSOCIATION

A. R. Mehrhof ..... *President*
H. I. Hultgren ..... *Vice-President*
N. H. Reeves ..... *Chief Operator*
E. A. Goodnow ..... *Secretary-Treasurer*
Prof. G. M. Wilcox ..... *Faculty Member*

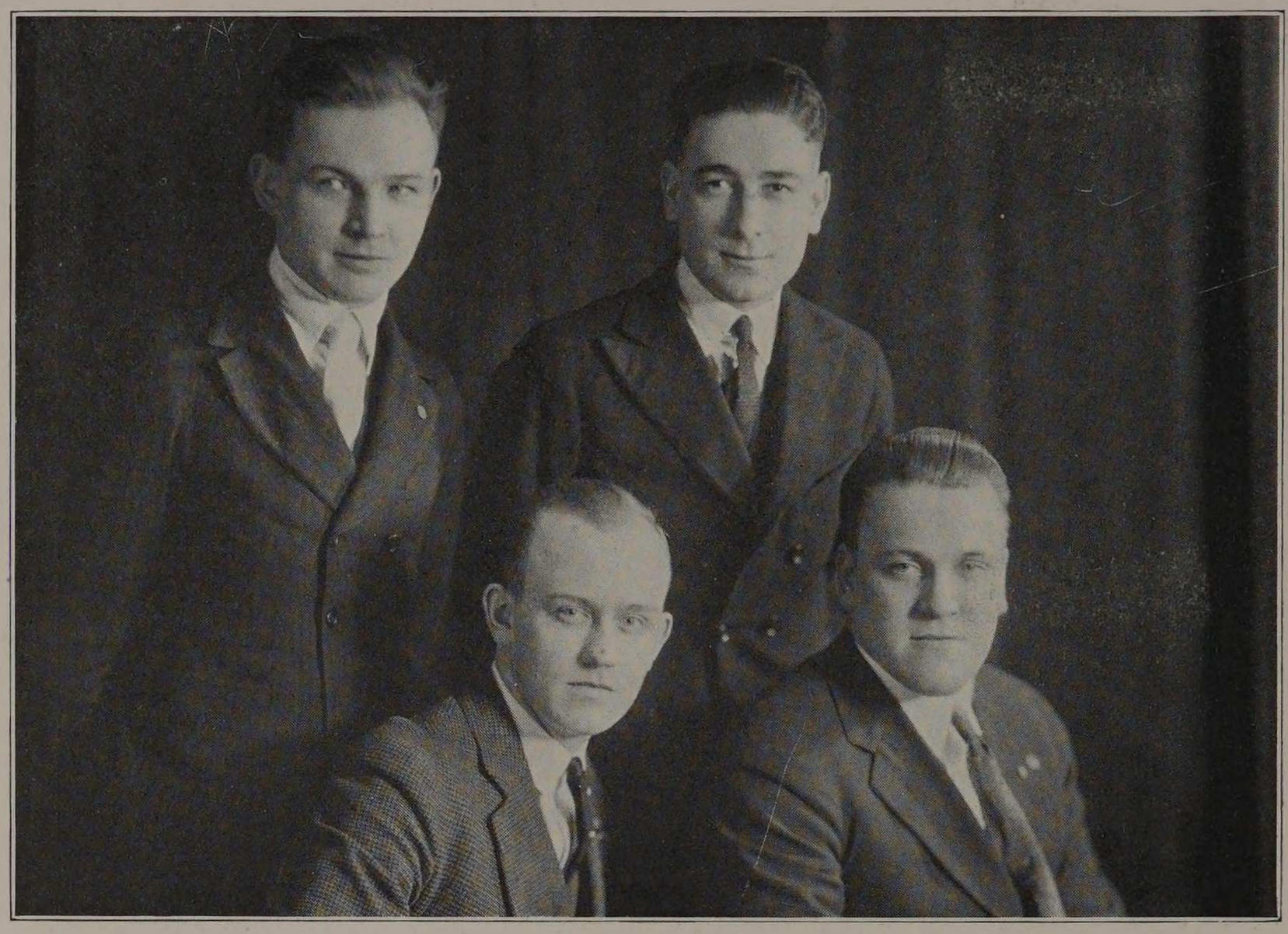
The Armour Radio Association is composed of members of the student body who are interested in radio or any of its applications. The purpose of the organization is to maintain an interest in the science of radio, as well as its applications among the students of the Institute. The members are called upon for addresses and much valuable information is thus gained by those who do not have the time to study all the texts and literature relating to radio. Several of the members have had commercial operating experience and a number of the others are amateur operators of long standing. These men are able to help those who are new in the game by giving them advice obtained through years of practical operating.

Professor Wilcox, the faculty member of the association, is an authority on radio. He has pointed out to the members the necessity of mastering the theory of radio, as well as learning to operate the apparatus necessary for both the transmission and reception of signals through the ether. There is a vast difference between radio engineering and the mere operation of radio apparatus. The radio engineer is the one who applies the fundamental principles and theory of radio to the design of new apparatus and methods, and to the improvement of the old. In conjunction with the class in Radio Communication, the Radio Association keeps in touch with all the latest developments in the field of radio, and when time permits, laboratory demonstrations of some new development are given.

During the Chicago Opera Season the Westinghouse Electric and Manufacturing Company transmitted the Grand Opera by radiophone from the Edison Building, Chicago. The receiving outfit in the Institute was arranged in portable form so that it could be transported about the building, and by using the "Magnavox" load speaker which the club obtained last fall, it was possible to provide music from the opera at several meetings and assemblies in the Institute.



Oboler
Mehrhoff
Apostolas
Lipsky
McCaffery
Burns
Hershkovitz
Tarrant
Kelley
Marks
Mueser
Kenrick
Sweitzer



THE ARMOUR Y. M. C. A.

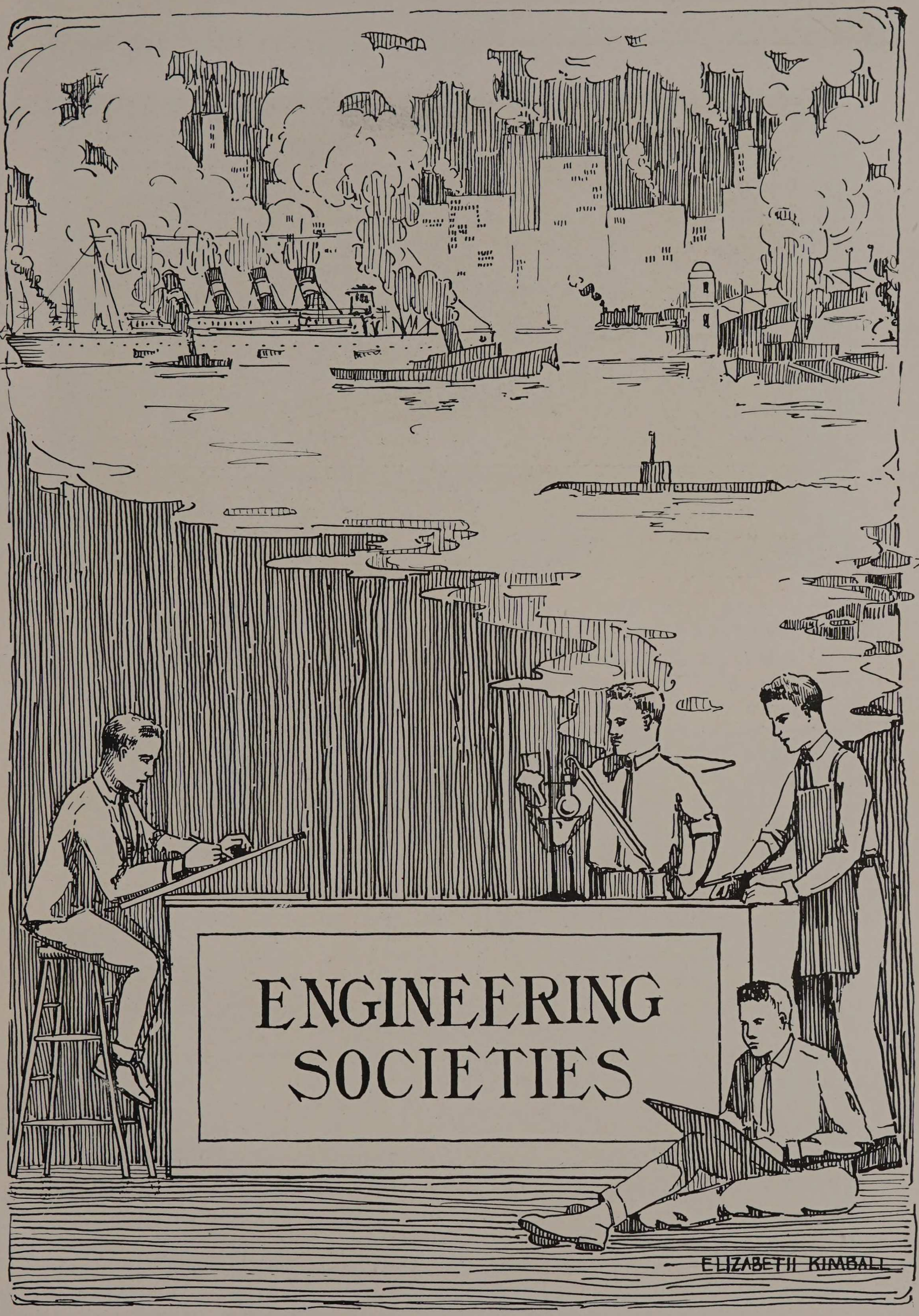
OFFICERS:

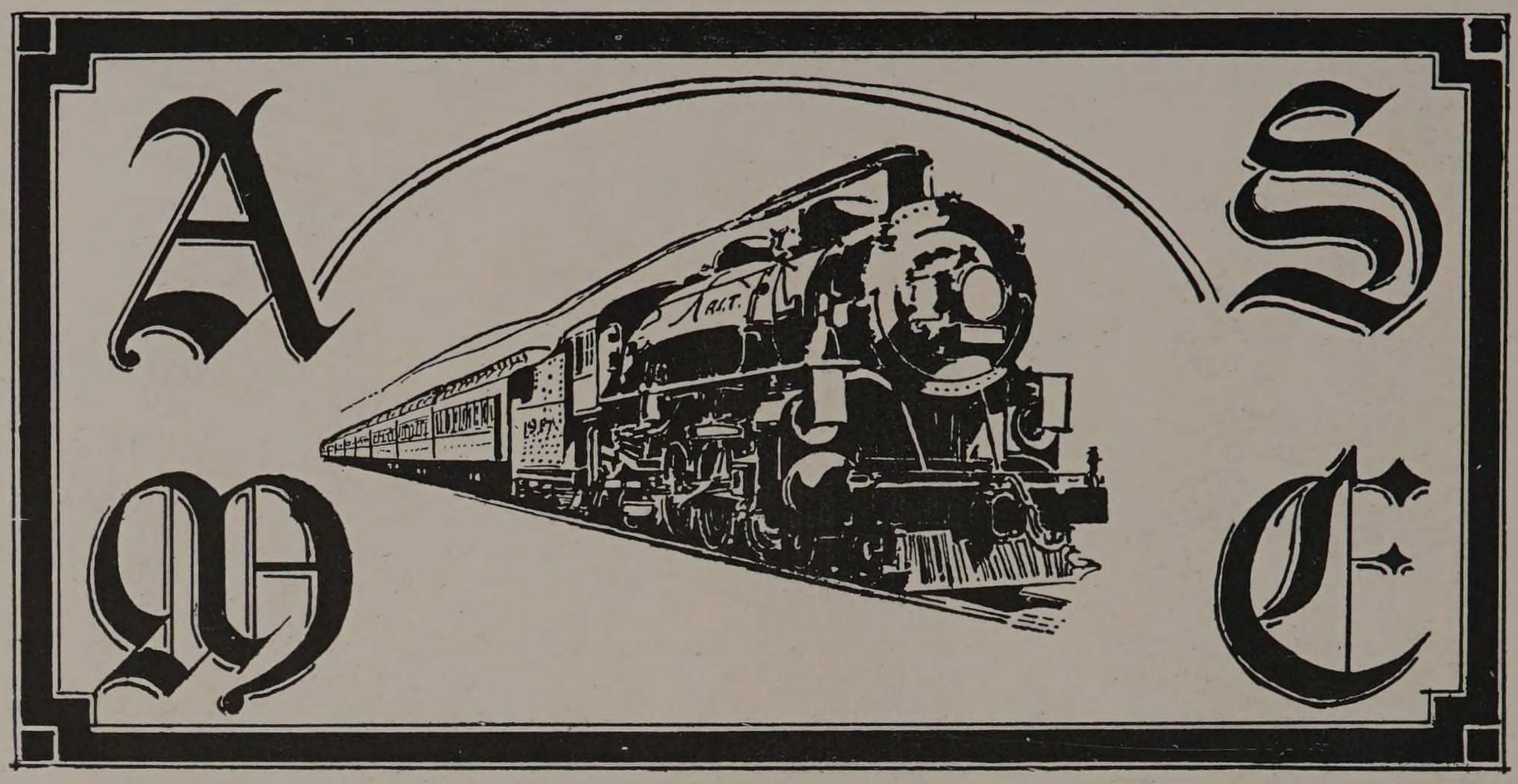
M. C. SCHULZE ..... *President*
L. E. GRUBE ..... *Vice-President*
A. E. JOHNSON ..... *Secretary*
PROF. G. L. SCHERGER ..... *Faculty Chairman*
G. SCHUMACHER ..... *Secretary* (Faculty appointment)

There is, at the Armour Institute of Technology, a branch of the Chicago Y. M. C. A., which branch is known as the Armour Y. M. C. A. Through the Chicago Y. M. C. A. the Armour branch is affiliated with the state Y. M. C. A. and with the international organization. Thus, when a student joins the Armour departmet, he becomes a member of a world-wide movement. By special arrangement with the Chicago organization, the students are allowed reduced rates, when they join any of the regular branches. Any student may join the Association, for it is a non-sectarian institution.

The Armour branch occupies two large, nicely furnished rooms on the third floor of Chapin Hall. One of these rooms contains a billiard table, the scene of many a hotly-contested game, for the Institute boasts quite a few fellows who wield a "mean cue." Among the Armour exponents of the art of Jake Schaefer and Willie Hoppe are Bates, Scribano, Gilbertson and the worthy president of the organization, Schulze. The other room might be termed the "clearing-house" of the school, for in this room there are discussed the many momentous questions of the day—in fact, anything from the winning of the late World War to the latest quiz in Calc. and Physics.

The Y. M. C. A. provides an ideal place for the gathering of the students, a place where they may rest from the more serious things of student life.


ENGINEERING
SOCIETIES
ELIZABETH KIMBALL



THE ARMOUR INSTITUTE OF TECHNOLOGY BRANCH OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

PROF. G. F. GEBHARDT ..... *Honorary Chairman*
GILBERT V. BRADBURY ..... *President*
MARVIN R. OLSEN ..... *Vice-President*
PAUL J. RUPPRECHT ..... *Treasurer*
DAVID S. JENNINGS ..... *Secretary*

Because of the high order of development of engineering science and its consequent complexity, the curriculums of the ranking engineering colleges are very heavy and exacting. It is impossible to offer in four short years many subjects that would be of undoubted value to the engineer in his profession. In the general courses of most universities and colleges great stress is placed on instruction in public speaking. To add such a course to the already bulging curriculum of our Mechanical department is considered inadvisable at the present time. The main object of our Society is to supply this deficiency.

In order to accomplish this a regular schedule of meetings approved by the office of the Deans was adopted which provided for a gathering every other week. At these meetings members of the Society are called upon by the president to address the assembly, the subject of the talk being left entirely to the speaker. This system provides invaluable experience to the student giving the talk which is usually of interest to the listeners.

The past year has been marked with success. As is the custom, a smoker was held towards the beginning of the first semester, and was a regular "get together" for the students and faculty of the Mechanical department.

The regular meeting of the Chicago chapter of the A. S. M. E. on February 20 was turned over to be conducted by the student branch. Our president presided and presented a program consisting of talks by several of the students. The cooperative meeting was an innovation but it was attended with such great success that it promises to be continued.

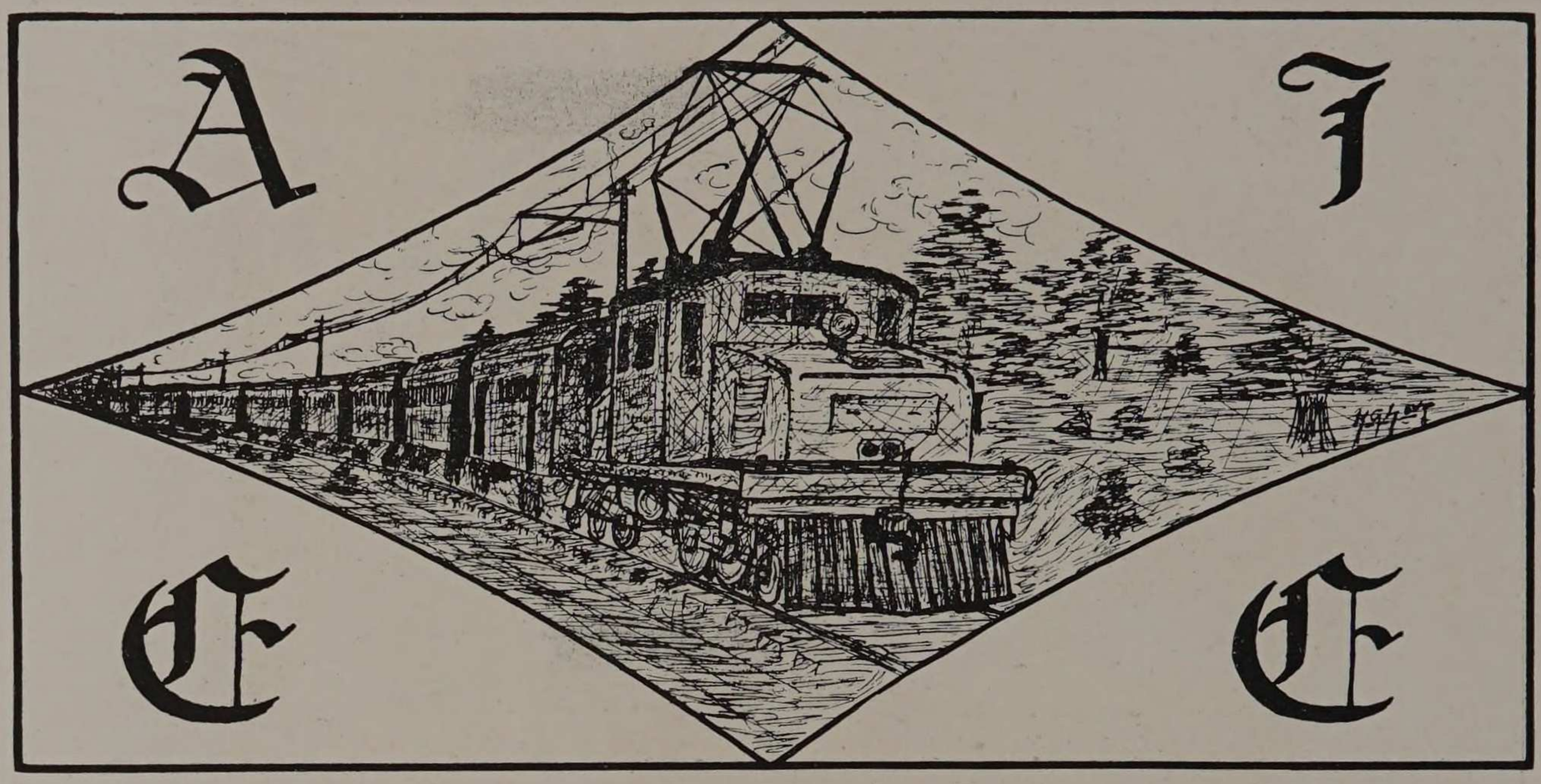
ENGINEERING SOCIETIES



Hugh Jensen Fabry Schaack Bursik Weatherbee Tarrant
Goldstein Kuellmar Eickelberg Overend Corydon Mills Erickson
Rupprecht Manske Rumely Kaye Pask Rehnquist Unger
Wittenmeier Chapin Blaufuss May Rheimer Nicholson Herman



Miller Garland Lizars Hammar Christensen Rieger
Vickers Brueckner Paque Sugarman Kinsman Trowbridge Lucas
Corydon Bissell Walker Jennings Bradbury Olson
Rilling Garland Lipsky Eisenstein Meyer Swenson



THE ARMOUR INSTITUTE OF TECHNOLOGY BRANCH OF THE AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

R. B. BURNS ..... *Chairman*
L. E. GRUBE ..... *Secretary*
E. B. MUESER ..... *Treasurer*

The Armour Institute of Technology Branch of the American Institute of Electrical Engineers was installed February 26, 1903, by the national organization. The purpose of the branch is to give the student of electrical engineering an opportunity to hear and to meet men who are prominent in the profession, and to enable him to discuss, or even prepare, papers upon subjects of a technical or electrical nature.

Through the "Journal" the members obtain information concerning the interesting papers given by the members of the national organization, in addition to the description of everything recent in the electrical science, both in theory and in practice.

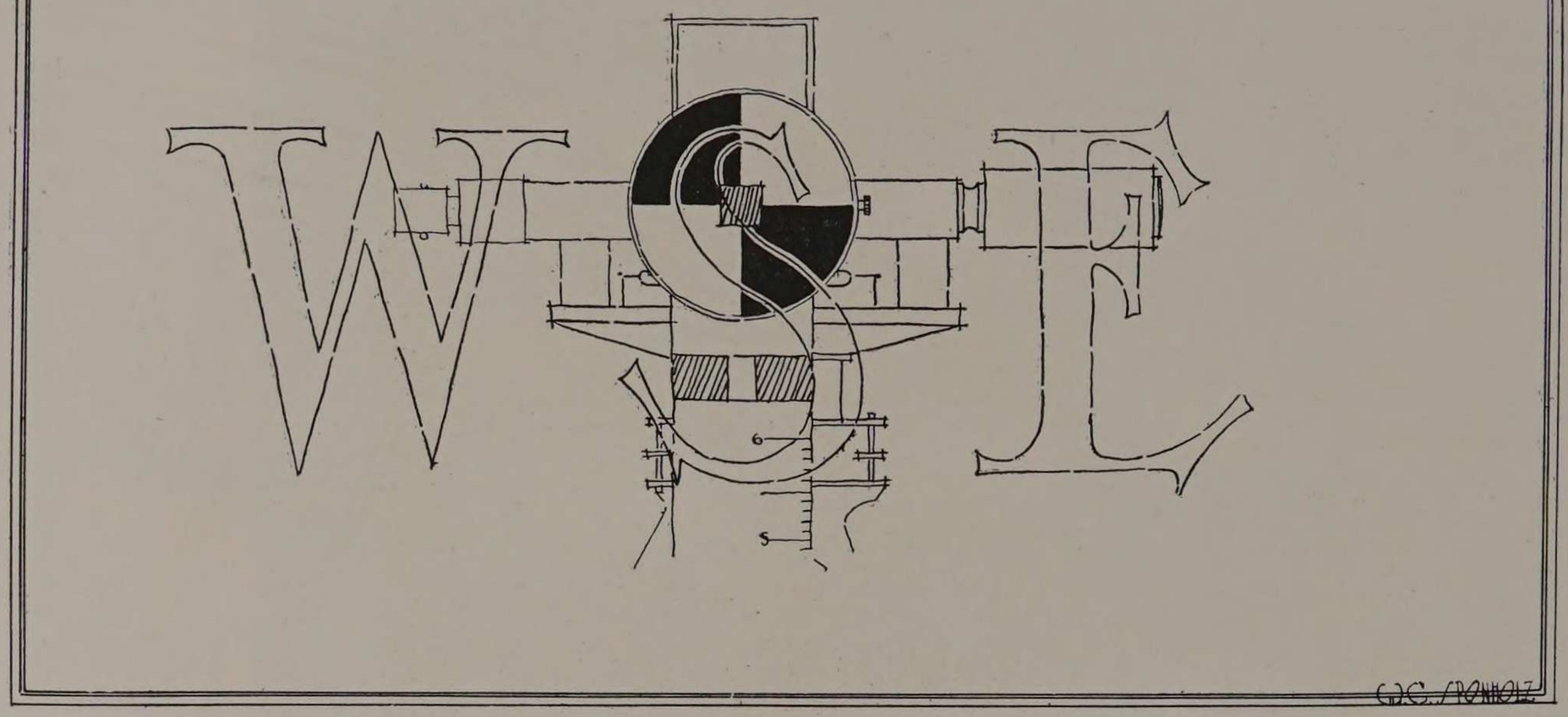
Many notable papers were presented to the Society during the year, and the attendance at all meetings proved very gratifying. The event of the year was the annual smoker given in the Armour Y. M. C. A. on December 2, 1921. Mr. E. S. Hurd, of the American Welding Society, was the speaker of the evening, giving a very thorough and explanatory talk on electric arc welding.

The talks given by the students were of great interest and were greatly appreciated by the large number who attended. This has, no doubt, been the most successful year of the Society.

ENGINEERING SOCIETIES



Kelley
Wing
Spector
Thompson Farrell Hayes Lowden
Piety Schwartz O'Brien Kendrick
Burns Mueser Erlandson Miles Wi
er Hochriem Falconer
well Reiman Crane T
Sloan Shay Piet
Herskovitz Grube Bu
Collins Kramer
McDowe
Apostolas
Mehrhof Her
Biever



THE ARMOUR BRANCH OF THE WESTERN SOCIETY OF ENGINEERS

B. F. Morrison ..... *President*
H. A. Peterson ..... *Vice-President*
E. M. Seaberg ..... *Secretary*
D. R. Hyde ..... *Treasurer*

Membership in this organization is open to Sophomores, Juniors, and Seniors in the Civil Engineering Department, but the meetings are planned to be of interest to all engineering students. A technical society of this nature represents a phase of college life that can hardly be over-estimated.

At the first meeting Professor Phillips spoke on the Civil Engineering Course and emphasized the fact that the successful engineer is one that has the ability to adapt himself to his surroundings and to fit in where he is needed. The second meeting was well attended, and all enjoyed the talk by Mr. Edgar S. Nethercutt on "The Organization of the Modern Technical Society." Mr. Nethercutt urged the members to make the society a post-graduate course in study. Mr. Morrell spoke on "Public Speaking for the Engineer" at the third meeting. Every one present was readily convinced of the necessity of being able to speak capably. The following meetings were of unusual interest introducing many talks on varied aspects of engineering such as "Highways and Their Maintenance" by Mr. John Dailey and "The Relation of Railway Signalling to the Railroads" by Mr. K. E. Kellenberger.

The annual smoker was a real success from every angle. Mr. C. E. Drayer gave an informal talk that was an enlightenment to all on "Engineering as a Career." Then Mr. Charles Hitchcock featured with a series of impersonations that were full of humor and pathos.

Under the auspices of this society Mr. C. H. MacDowell gave a very inspiring address to the entire student body and faculty at a special assembly. Mr. MacDowell pointed out how modern business is becoming more and more an engineering proposition.

At the annual election the following officers were elected for the year 1922-1923: H. W. Munday, President; G. Geodhart, Vice-President; T. J. Kauders, Secretary; and C. W. Carlson, Treasurer.



Campbell Hedges Mason Williams Smith Hyde VanDyke Sweeney
Montgomery Johnson Mandel Stevens Wells Penn Reinart Fredrick Prentiss Meyer Nieman
Mayo Hess Morrison Kauders Munday Goedhart Carlson Phillips McHugh Gambol Smith
Klemp Shapiro Bernstein Watt Franklin Auerbach Vaaler Eisenberg DeBra Murner



THE ARMOUR CHEMICAL ENGINEERING SOCIETY

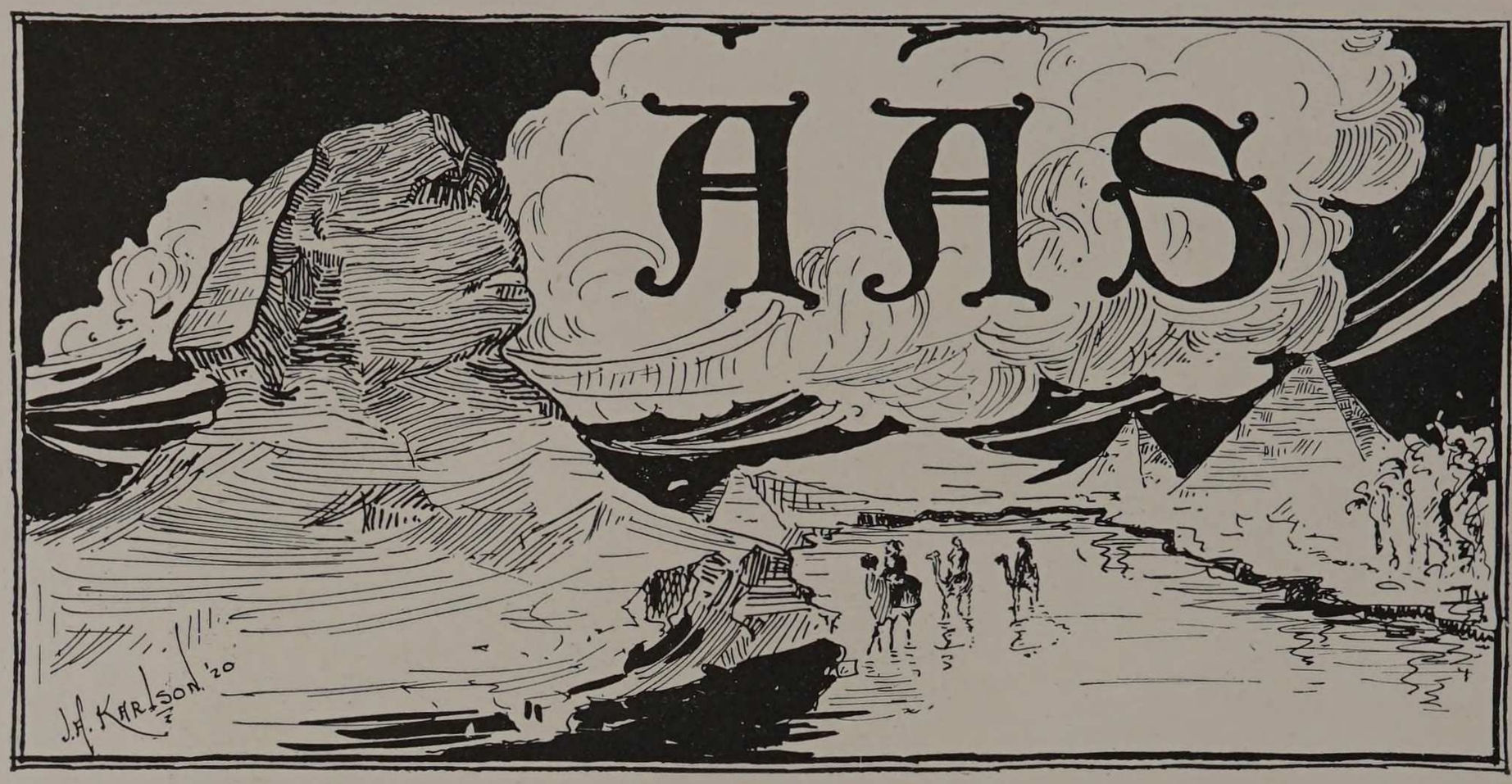
J. Warren McCaffrey ..... *President*
George D. Crane ..... *Vice-President*
Charles B. James, Jr. ..... *Secretary*
B. Z. Nowakowski ..... *Treasurer*

The school year just drawing to a close has been the most successful in the history of the Armour Chemical Engineering Society. The society was started early, the election of officers being held September 28. At this meeting a new policy to govern the society throughout the year was announced by the president and adopted by the society. The Armour Chemical Engineering Society had been organized for the purpose of bringing the students in chemical engineering into closer contact with one another, and to assist them in the pursuance of that branch of study by lectures from alumni, faculty, and professional men engaged in chemical engineering work. This objective was changed merely in detail, the President thinking that talks by the alumni and industrial men could not be conveniently and satisfactorily arranged, although they were to be preferred when arrangement was possible. Therefore the purpose of the society was extended to have its members address the society at meetings and thus acquire the confidence and facility of speech so valuable in professional life, as well as the technical knowledge also available. The time of meetings was changed to the satisfaction of the entire society. The results that issued from the change in policy surpassed all expectations. The meetings were very well attended and the interest displayed by the members augurs well for the society.

Professor of Chemical Engineering, Harry McCormack, addressed the second meeting of the society on "What is a Chemical Engineer?" The address was very interesting, and the open discussion was highly beneficial to everyone present. The address at another extremely interesting meeting was on "Adulteration," by Professor J. J. Schommer.



Cohen Wilson Nutt Herbst Herbst Spensley Dhus Rumely
Downs Sites Erlandson Davis Gilbertson Gray Gerstein Grapinski Liu
Silverberg Rosenzweig Crane McCaffrey Nowakowski Skolnick Citta
Bernstein Pelta Holecek Spielman Marine Koehler Soltis



THE ARMOUR ARCHITECTURAL SOCIETY

OFFICERS:

FRANK W. CAULEY ..... *Massier*
GUY RABITO ..... *Treasurer*
EDMUND J. RYAN ..... *Secretary*

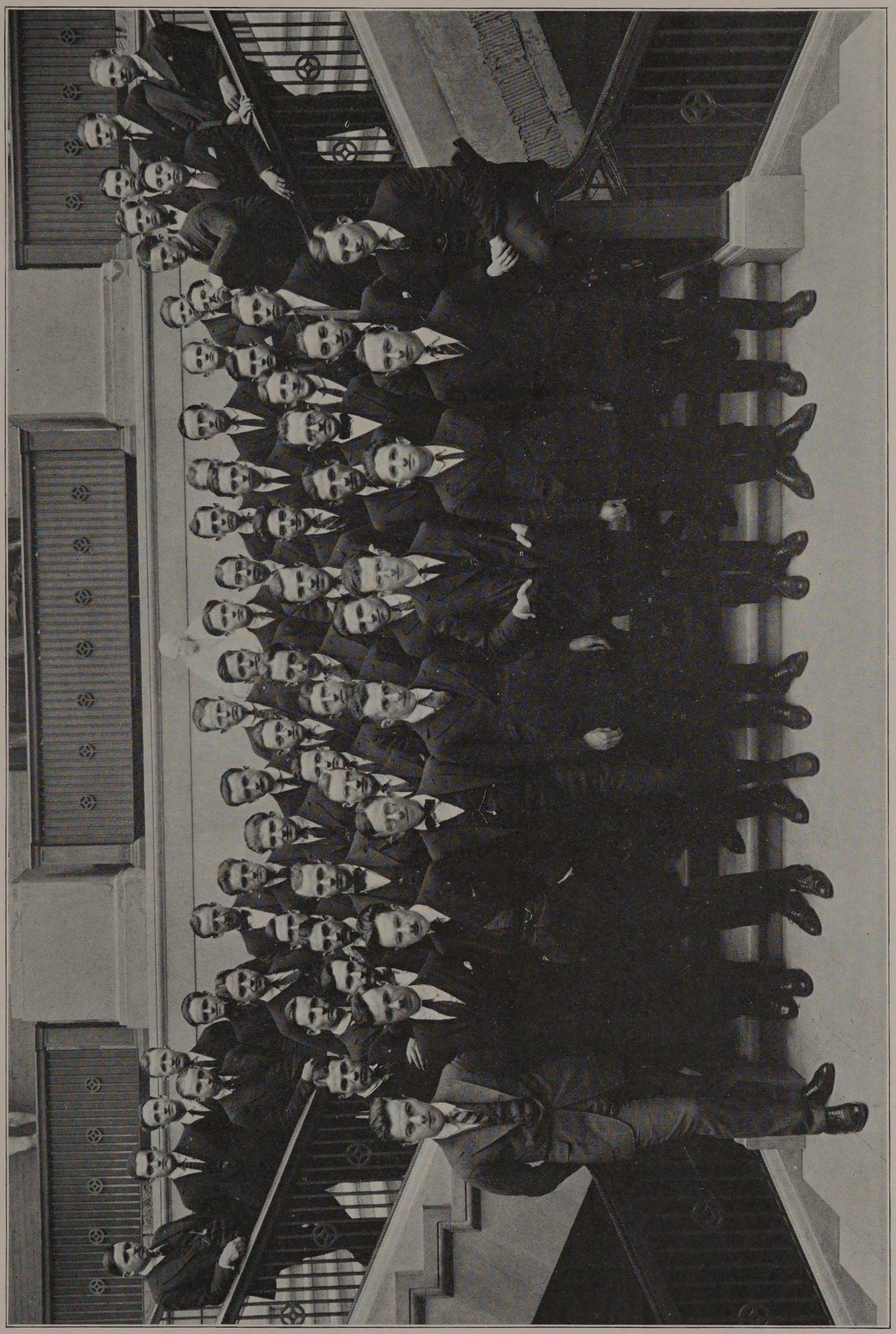
The Armour Architectural Society embraces the entire student body of the Architectural department. Through this society the young aspirant is very early infused with the spirit of the work, and the close relationship that exists between the student and the instructor.

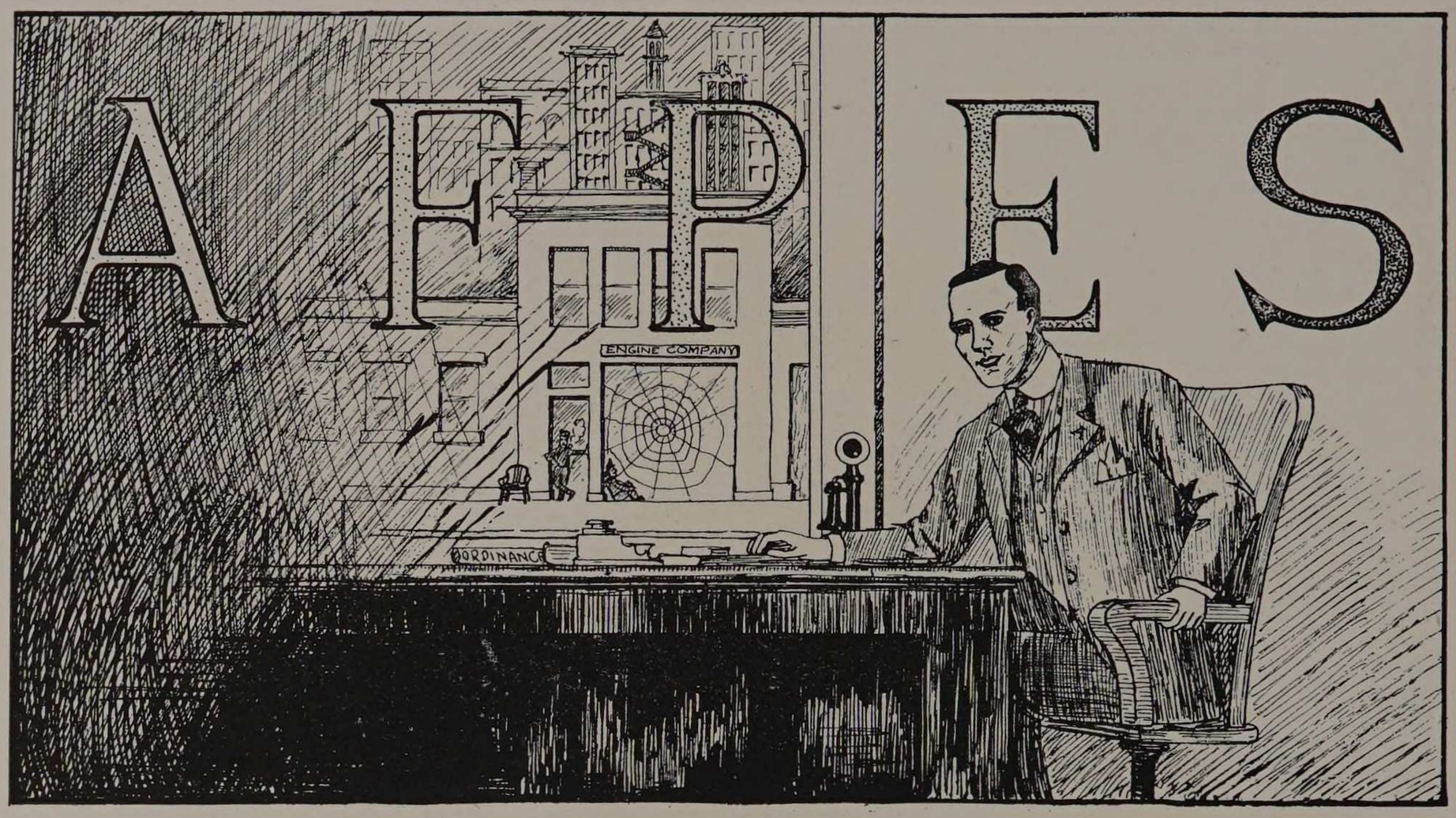
Our annual banquet and initiation held November 11 brought back many happy experiences which some of us had encountered, glad to say, years ago. Following a few words of advice given with great sincerity by Nedved, '21, now with Tallmadge & Watson, Architects, Professor Campbell in a brilliant way outlined the systems, accomplishments and standards of practically every architectural school in the country. The day's festivities closed with an interesting talk by Lionel Robertson on "Period Furniture."

The eastern school received rather a sudden awakening when Nedved won the Warren Prize in New York; also when a 3rd Medal sketch, the highest award for a sketch, by Hoffmeister, and a 2nd Medal by Cauley, were on exhibition in all the eastern schools. This work was done under the auspices of the Beaux-Arts Institute of New York.

The dominating force which has promulgated such enthusiasm into the work of the department whether it be directly or indirectly, collectively or individually, is the untiring efforts of Professor Campbell.

ENGINEERING SOCIETIES





THE FIRE PROTECTION ENGINEERING SOCIETY

OFFICERS:

J. W. RODDICK ..... *President*
C. A. EPPICH ..... *Vice-President*
R. R. MAGUIRE ..... *Secretary*
W. W. OAKE ..... *Treasurer*

After several years of comparative inactivity the Fire Protection Engineering Society has reorganized, and with the greatly increased enrollment in the department the society promises to be one of the largest in the Institute. Last year the society was handicapped by the illness, and consequent absence, of Professor Finnegan, but with his return this year there has been effected a very successful organization.

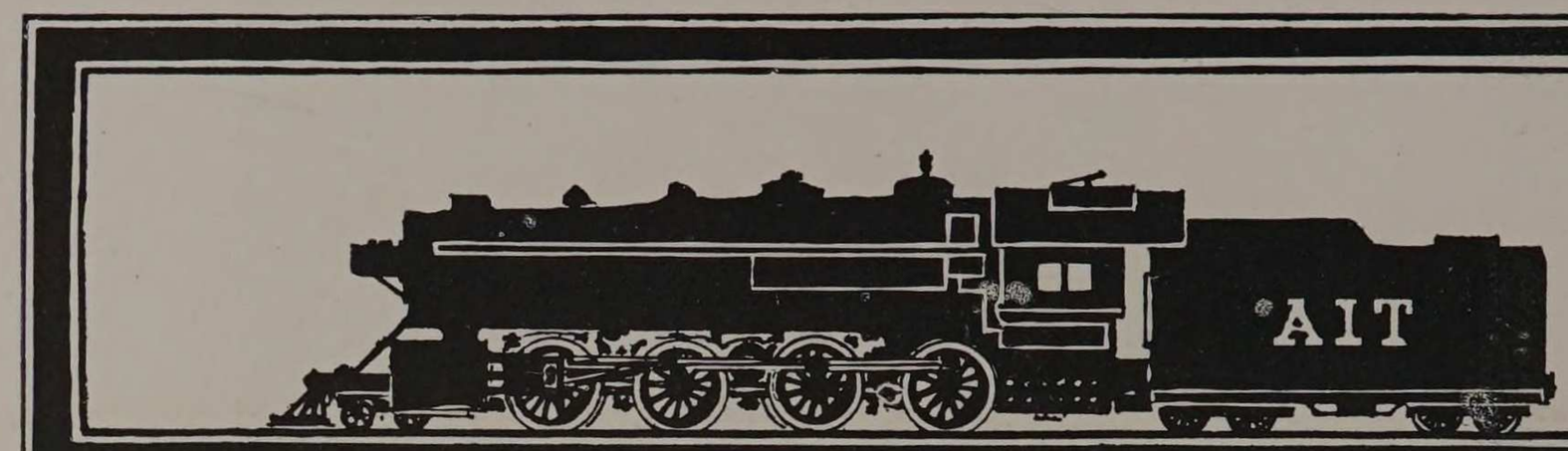
We were very fortunate in securing Major Schroeder, of the Underwriters Laboratories, for the first lecture of the year. Major Schroeder was formerly with the United States Army Air Service, and as everyone perhaps knows, held the altitude record of the world for some time. He gave us a very vivid account of that memorable record breaking flight, during which he froze his eyeballs and was unconscious for some time, and yet made a safe landing. The attendance at this lecture was unfortunately limited by the size of the room, but it is quite probable that the Major will return in the near future to give a lecture before an assembly of the whole school.

The second lecture of the year was given by Mr. Plant of the Fire Prevention Bureau of the City of Chicago. Mr. Plant gave a most interesting talk on the methods and practices of the Bureau in preventing fires and panics in the city.

These lectures serve to indicate the type of meetings held by the organization. The interest shown by the members of the society has resulted in a very successful year.



Belt Lovald Matson Stephenson Thoelecke Latta Sisson
Wagner Cole Cartwright Brown Hardwood Grove Freeman Joseph
Robinson Oake Maguire Roddick Eppick Finnegan Rescke Anderson Cox
Worley Sanborn Taylor Whitfield Baldwin Timbal Spaid



ASME

THE FRESHMAN-SOPHOMORE A. S. M. E.

G. P. RUDDIMAN ..... *President*
H. H. EGGERS ..... *Vice-President*
C. G. JACKSON ..... *Secretary*

This society was organized for the purpose of enabling its members to gain practice in public speaking. Although the organization is small, it contains the best of the Freshman and Sophomore Mechanicals who are primarily interested in preparing themselves for later work in the senior branch of the society. The membership is open to all Freshman and Sophomore Mechanical Engineering students. It is certain that the senior branch will benefit when the present Sophomores become members, due to the spirited action within this society. The members of this society delivered short talks. MacFaul gave much information on locomotives and Flavin introduced astronomy. The other members took an active interest. A society of this type is an asset to any department because it stimulates interest in the department early in the college life of the student. After such a spirited year the society is looking forward to including all the Sophomore and Freshman Mechanicals in its membership next year.

ENGINEERING SOCIETIES



Flavin McFaul Carlson Dunlap
Scoville Ruddiman Jackson Skriba
Sweitzer Eggers Olson

THE LAST OF THE HYDRO-ELECS.

Glory be to Hev'n that there weren't no more of us;
For the four of us were bother enough as it was.

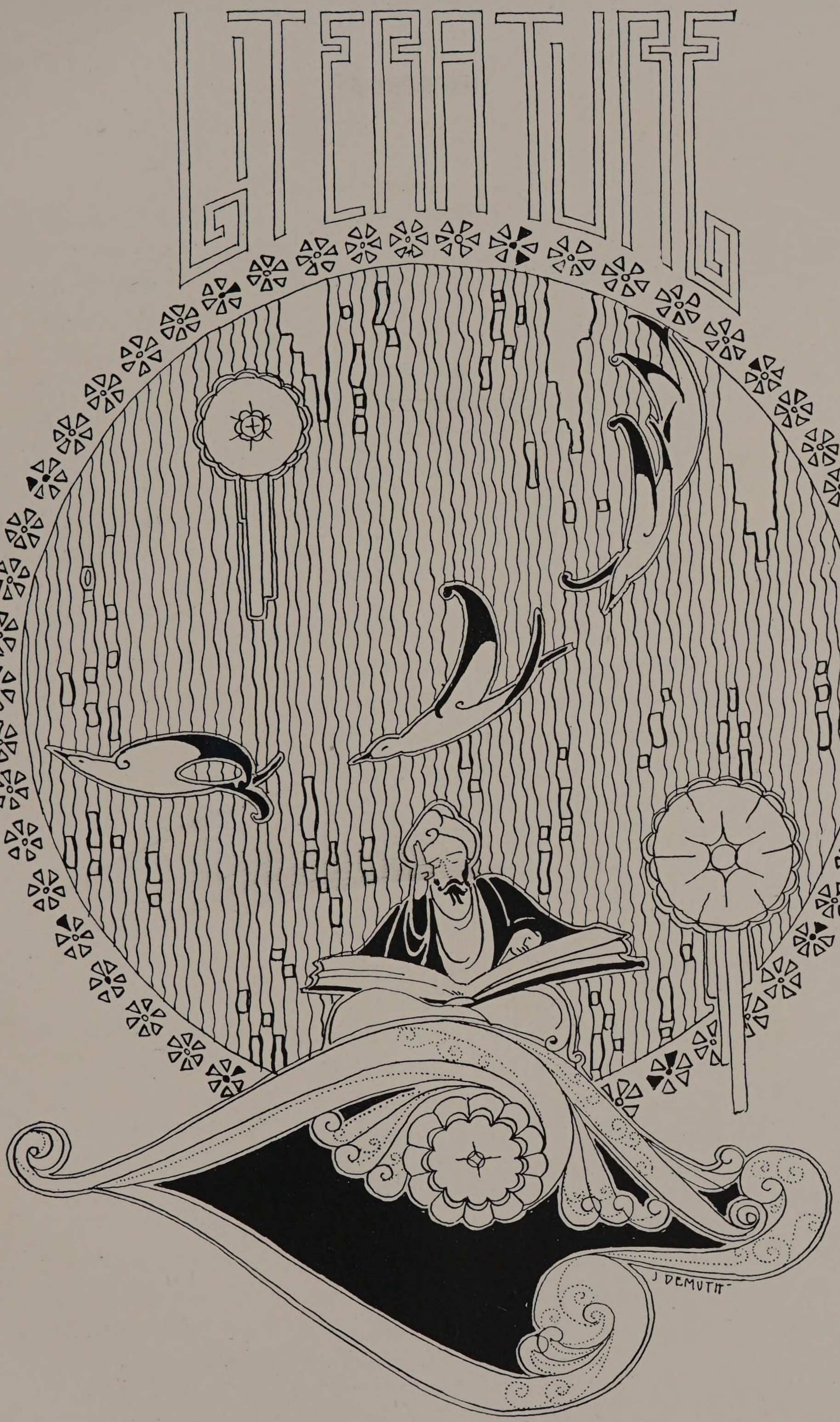
Progress, or at least a change in policy, has made the Hydro-Electric course a thing of the past. The tendency away from specialization and toward a more general course in the Civil department was the cause.

The four who call themselves the last of the Hydros, pride themselves on the distinction of so being, however small an honor it may seem to the uninitiated. They have been buffeted about upon the waves of disapproval from the Electrical and Civil departments, and cast about by gales from the Dean's office.

They have borne undaunted the scorn of the Electricals when on their inspection trips, and the sneers of the Civils when accompanying them. They have covered twice as much ignorance as members of any other department on these occasions, for the Hydros are both Civil and Electrical. Professor Nash was their guiding light and has proved a worthy pilot on their journeys into A. C.

The roll includes the members of the famous Siamese duo. It might be of interest that it was once suggested that they receive the same diploma.

So with a tear in each eye, Auerbach, Holmes, Vaaler and Seaberg are leaving the stamping grounds of four years, the last of a noble line. They are determined that their monument to a vanishing race shall be in many a work of design and construction, of steel and of concrete.


J DEMUTH

OPPORTUNITY

With doubt and dismay you are smitten,
  You think there's no chance for you, son?
Why, the best books haven't been written.
  The best race hasn't been run;
The best score hasn't been made yet;
  The best song hasn't been sung;
The best tune hasn't been played yet.
  Cheer up, for the world is young!

No chance? Why, the world is just eager
  For things that you ought to create;
Its store of true wealth still is meager,
  Its needs are incessant and great;
It yearns for more power and beauty,
  More laughter, and love and romance,
More loyalty, labor and duty.
  No chance? Why, there's nothing but chance!

For the best verse hasn't been rhymed yet;
  The best house hasn't been planned;
The highest peak hasn't been climbed yet;
  The mightiest rivers aren't spanned.
Don't worry and fret, faint-hearted,
  The chances have just begun;
For the best jobs haven't been started,
  The best work hasn't been done.

B. Braley.

MISTAKES

When a plumber makes a mistake—he charges twice for it.
When a lawyer makes a mistake—it's just what he wanted, because he has a chance to try the case all over again.
When a doctor makes a mistake—he buries it.
When a judge makes a mistake—It becomes the law of the land.
When a tailor makes a mistake—someone has a bad fit.
When a watchmaker makes a mistake—he has the time to fix it.
When a preacher makes a mistake—nobody knows the difference.
When a carpenter makes a mistake—it's just what he expected, because chances are ten to one that he never learned his trade.
When an electrician makes a mistake—he blames it on induction. Nobody knows what that is.
BUT—When an engineer makes a mistake—GOOD NIGHT!

FOR SERVICE

We don't pose as brave crusaders, but we certainly crusade
In an everlasting fight with mother earth;
Every bridge that we have builded, every tunnel we have made,
Every line that belts the planetary girth
Is a monument of struggle for the betterment of man
And we did it, as we do it, and we will,
By the urge of what's inside us, by the spirit of our clan,
And it's something more than money pays the bill!

Though we like our shares of treasure and the pleasure that it brings,
It is something else which drives us to our goal;
It's the triumph of our labor over elemental things
And the vision which gives splendor to the whole.
We are members of an order that is guided on by dreams,
By the voices of the prophets and the seers,
And unless you care for Service more than money-getting schemes,
You had better never join the Engineers.

OMNISCENCE

There's only twelve people on earth, so they say,
  Who understand Einstein; but that isn't true.
Twelve get him, perhaps, in a "relative way,"
  But full comprehension is given but two;
The deep inner meaning, the secret, the key,
Is known but to Einstein, to Einstein and Me.

By Einstein's great theory all things are clear;
  The tariff, domestic and foreign relations,
The weather we get all this time of the year,
  But, due to the average mind's limitations,
The answers are known in their en-tir-et-ee
To no one but Einstein—but Einstein and Me.

Such questions as, "Why don't the taxes go down?"
  And "Why do the prices stay stubbornly high?"
And "Where is a flat to be rented in town?"
  And "When will America really go dry?"
And "Where can I get it?" Such questions can be
Solved only by Einstein, by Einstein and Me!

We've settled all problems, we've doped them all out,
  In seven dimensions or maybe it's eight;
When Einstein has found himself somewhat in doubt
  He's asked my opinion and I've set him straight;
But what our conclusions are, ever will be
A secret 'twixt Einstein—'twixt Einstein and Me!

IF I SHOULD DIE TONIGHT

If I should die tonight
And you should come to my cold corpse and say
Weeping and heartsick o'er my lifeless clay——
  If I should die tonight,
And you should come in deepest grief and woe—
And say: "Here's that ten dollars that I owe,"
  I might arise in my large white cravat
  And say, "What's that?"

If I should die tonight
And you should come to my cold corpse and kneel,
Clasping my bier to show the grief you feel,
  I say, if I should die tonight
And you should come to me, and there and then
Just even hint 'bout payin' me that ten,
  I might arise the while
  But I'd drop dead again.

THE ENGINEER

If you can swing an axe or wield a brush-hook,
  Or drive a stake, or drag a chain all day,
If you can scribble "figgers" in a note-book,
  Or shoot a range-pole half a mile away,
If you can sight a transit or a level,
  Or move a target up or down a rod,
If you fear neither man nor devil,
  And know yourself and trust the living God.
If you can wade a swamp or swim a river,
  Nor fear the deeps nor yet the dizzy heights,
If you can stand the cold without a shiver,
  And take Higgins' ink to bed at nights,
If you can turn a thumb-screw with your fingers,
  When every digit's like a frozen thumb.
If you can work as long as daylight lingers,
  And not complain nor think you're going some.
If you can sight through tropic heat's refraction,
  Or toil all day beneath a blistering sun.
If you can find a sort of satisfaction
  In knowing that you've got a job well done,
If you can be an Eskimo or nigger
  And try to be a gentleman to boot,
If you can use a "guessing stick" to "figger,"
  And know a coefficient from a root.
If your calculus and "descrip" are forgotten,
  And your algebra just serves you fairly well,
If your drafting and your lettering are rotten,
  And your Trautwine's always handy by to tell,
If you can close a traverse without "fudgin',"
  Or check a line of levels by a foot.
If you can set a slope stake just by judgin',
  And never kick a tripod with your boot.
If you can run a line where you are told,
  And make it stay somewhere on the map.
If you can read your notes when they are cold,
  And know that contours mustn't lap,
If you can line a truss or tap a rivet,
  Or make a surly foreman come across,
If you can take an order as well as give it,
  And not have secret pity for the boss.
If you can climb a stool and not feel lowly,
  Nor have your head turned by a swivel chair,
If you can reach your judgments slowly,
  And make your rulings always just and fair,
If you can give yourself and all that's in you,
  And make the others give their own best, too,
If you can handle men of brawn and sinew,
  And like the men and make them like you, too.
If you can boast a college education,
  Or, if you've got a sheepskin, can forget,
If you get a living wage for a compensation,
  And give a little more than what you get,
If you can meet with triumph and disaster,
  And treat them without favor, nor with fear,
You'll be a man—and your own master,
  But—what is more—you'll be an ENGINEER.

ROBERT ISHAM RANDOLPH,
President Chicago Chapter, A. A. E.

DID YOU TRY?

The year rolls 'round again;
The class is just the same—
Good—bad—and in between;
Medium, yellow, and game.

The medium find their niche
And rest content with life.
The yellow fall out at the side and whine—
To the game belongs the strife.

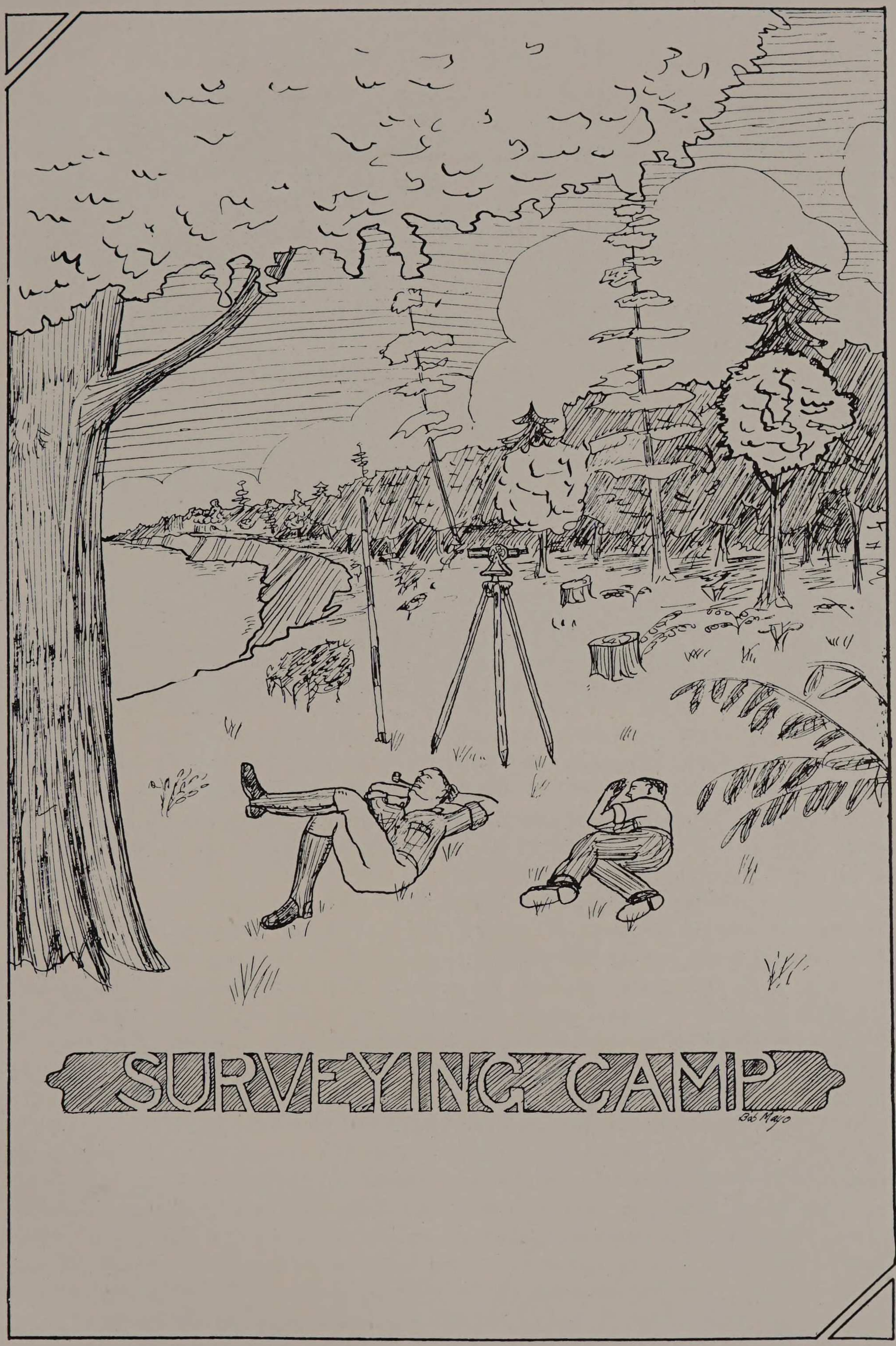
It matters not whether you find success,
The point is: did you try?
Be beaten only by the best—
And when you lose, don't cry!

G. V. Bradbury, '22

GOOD TIMBER

The tree that never had to fight
For sun and sky and air and light,
That stood out in the open plain,
And always got its share of rain,
Never became a forest king
But lived and died a scrubby thing,
The man who never had to toil,
Who never had to win his share
Of sun and sky and light and air,
Never became a manly man
But lived and died as he began
Good timber does not grow in ease;
The stronger wind the tougher trees,
The farther sky the greater length.
The more the storm, the more the strength;
By sun and cold, by rain and snow,
In tree or man good timber grows—
Where thickest stand the forest growth.
We find the patriarchs of both;
And they hold converse with the stars
Whose broken branches show the scars
Of many winds and much of strife—
This is the common law of life.

Douglas Mallock



SURVEYING CAMP

Bob Mayo

ARMOUR SURVEYING CAMP, 1921, TROUT LAKE, WISCONSIN

There once lived a hardy group of men, fierce and bold, who, braving the piercing cold and enervating heat, ventured far into the bosom of the North Woods. Past all outposts of civilization they tracked, even past that frontier beacon-light, Woodruff. By pack-mule and dog-sled they traveled until they saw before them the clear, cool waters of Trout Lake. It is night and a hellish one. Storm clouds gather, and far off lightning crashes. Fog and darkness complete their work, and upon all nature descends a gloomy pall.

* * * * *

During the first week in June the Armour contingent arrived at Trout Lake. The first two days saw the pitching of tents and the erection of "Saints' Rest," an abode of evil. Rain, blessed thing, prevented our working the first few days, but later it made itself conspicuous by its absence.

We bear able testimony to the truth of the adage, "There's one born every minute." Did not ten brave and true men park their several selves in pot-holes and gulleys for an evening's—a night's—wait for snipe? Did not these ten men evince a desire to ensnare even ten of the wily snipe? Had not they hunted snipe before in "Georgia?" Had not our brave hunters prepared for the Last Judgment when succor arrived?

Let us, Dear Reader, pass gently with a tear or two over the innocuous details of our field work. Under the able supervision and guidance of Professors Phillips, Armstrong, and Reinert we learned the fine are of leveling, the science of running a transit, the curse of rodding, and the gift of note-keeping. Stadia rods and plane tables ran amuck in our nightmares—and yet we survived. Sundays and Saturday afternoons found us footloose, and ravin' to go. We went. Flambeau, Boulder, Minocqua, the Manitiwish Rapids, Sayner, Tomahawk, and other points of interest found us, cameras in hand, and interest arising.

Over the Fourth of July we found ourselves in possession of a three-day pass. We used it well. Some of us went to the Indian Reservation by canoe; some hiked there; some of us went down the river from Minocqua to Tomahawk Lake, where we spent a delightful few minutes with Professor Swineford at his summer home. A number of us, in mob formation, attended the dance at Woodruff, thereby adding materially and spiritually to the song and dance.

One dark and stormy night as the wailing wind tore through the forest and the distant crash of forest giants echoed through the air,, there came a cry, plaintive and soul-piercing—the cry of a human being in distress. The door of "Saints' Rest" bursts open, and the belated wayfarer staggers in, rocks giddily to and fro, and then falls like a stricken thing. As we bend over in our frantic efforts to revive him, our welling eyes pierce the half-inch stubble of a week's duration. We gasp- Bob Mayo! He is making his annual "Hegira," and is, as usual, eliminating train fare and pullmans from his budget.

For some unknown reason very little fishing had heretofore been done at camp. Happily, this deplorable state of affairs did not exist during our occupancy. The first week of our stay saw the birth of the fishing craze, and the last week saw the craze still alive and able to take nourishment. Shutz seems to have attached the long distance medal. Shutz and Smith went on an extended hike, catching in all some forty-two Green and Rock Bass. Some wonderful Pike and Green Bass were caught by Farrell and others.

SUMMER CAMP

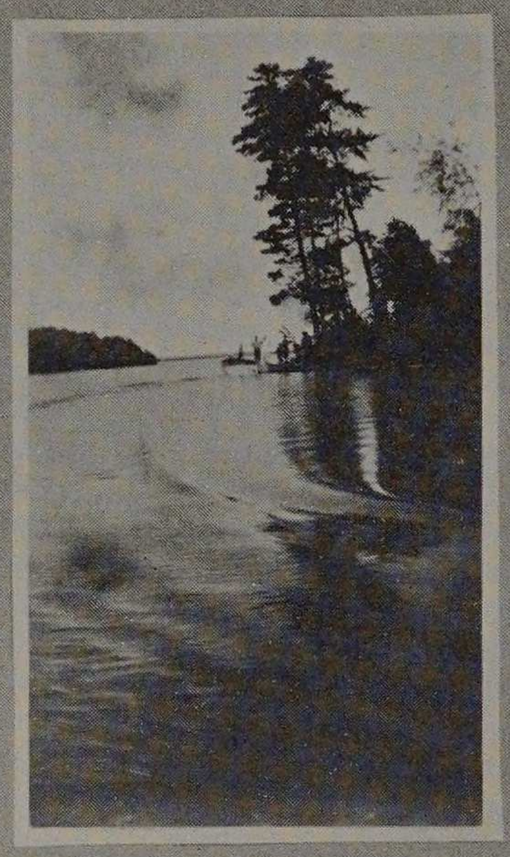


THE FOLLOWING MEN ATTENDED SUMMER CAMP IN 1921:

H. A. Almendinger
C. A. Andrzelczyk
H. Bernstein
J. Bernstein
R. B. Berry
H. M. Brostoff
M. L. Brown
W. Bodnar
J. Boss
C. W. Carlson
E. C. Eierdam
J. Farrell
B. Franklin
C. L. Frink
J. J. Gambal
P. Isenberg
I. Isaacson
F. E. Jarvis
O. J. Jenkins
N. D. Jones
C. Libman
J. H. Linden
C. Machek
D. Mandel
B. F. Morrison
E. Mundt
H. R. Nissley
M. Oboler
J. O. Peckham
F. M. Poole
L. Quayle
R. Rasmussen
E. C. Reiman
A. Rotunno
F. Schmid
L. F. Smith
A. H. Sloan
N. J. Schultz
H. Solomon
H. Suhl
M. B. Simpson
J. H. Sweeney
E. L. Tener
J. J. Wallace
R. O. Wickel
A. Zelenka

SUMMER CAMP





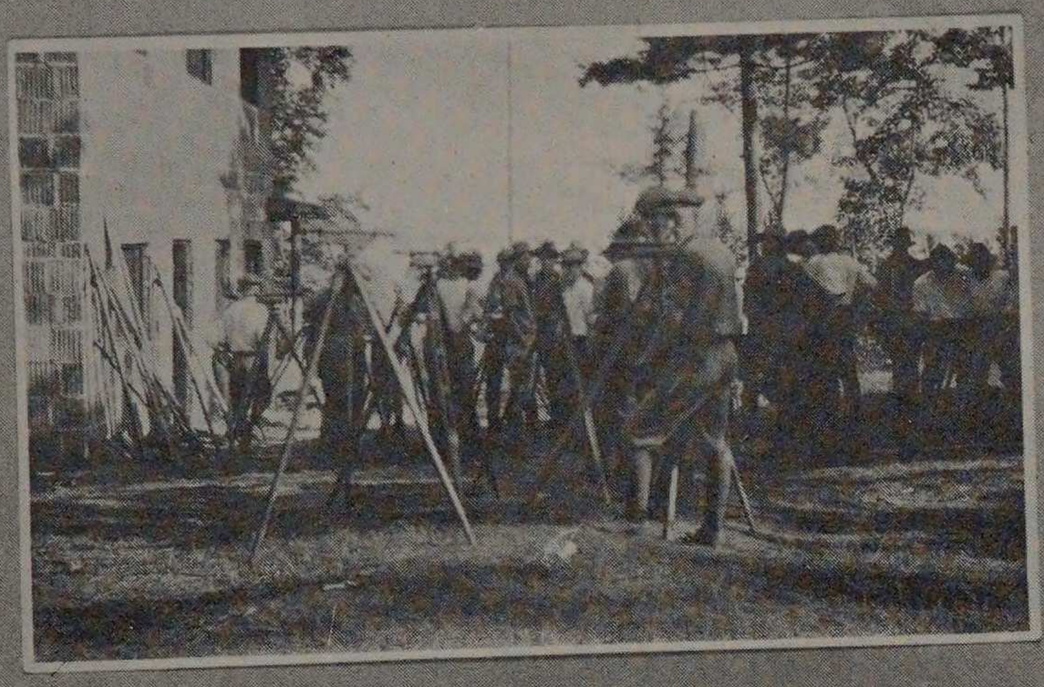


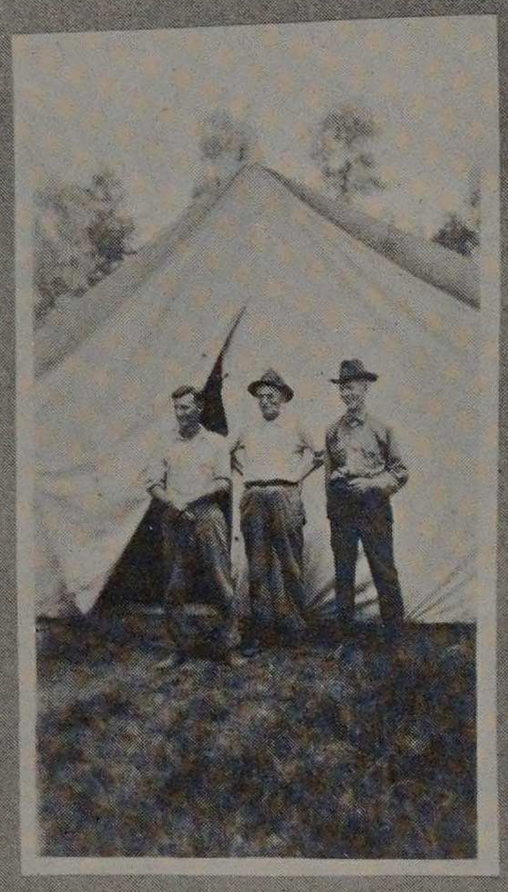


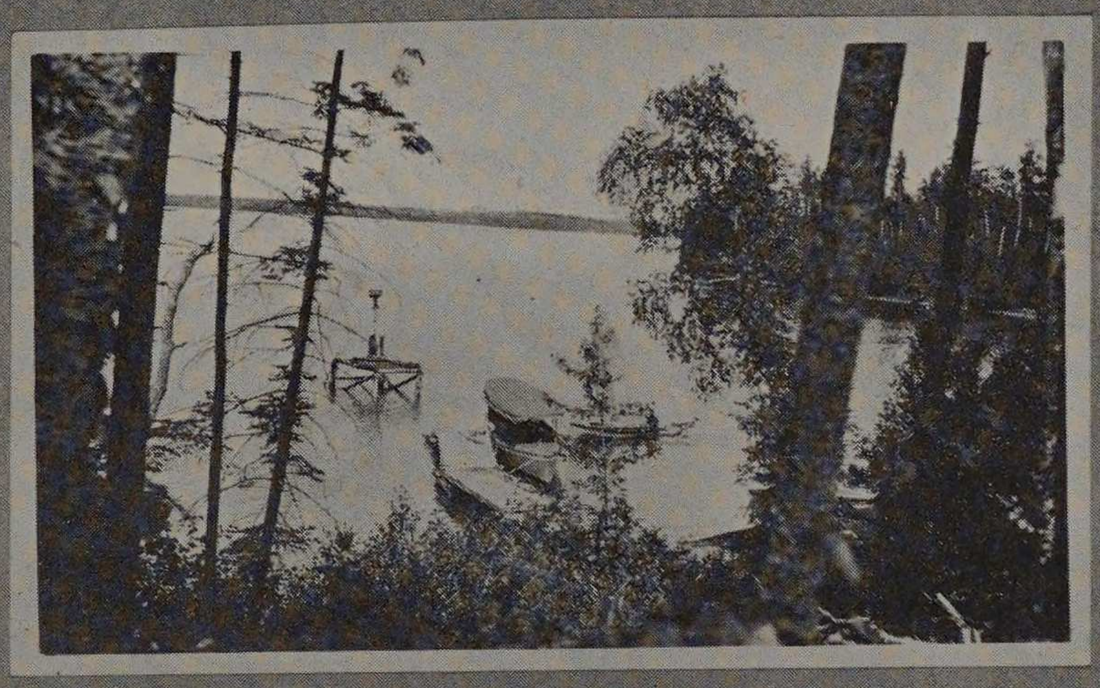




SUMMER CAMP



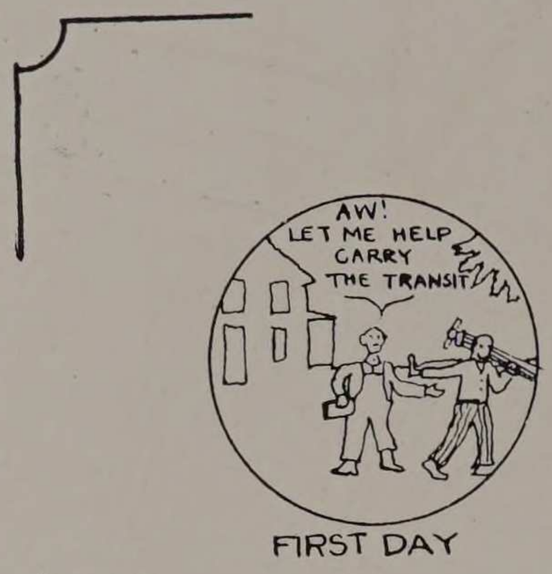








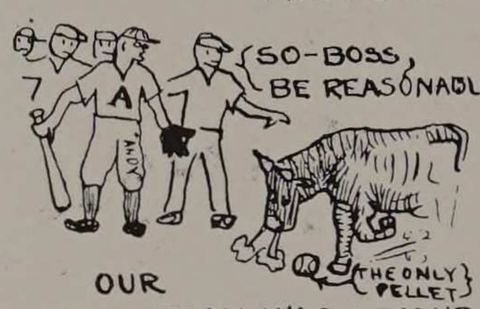
SUMMER CAMP



FIRST DAY



ANY OTHER DAY

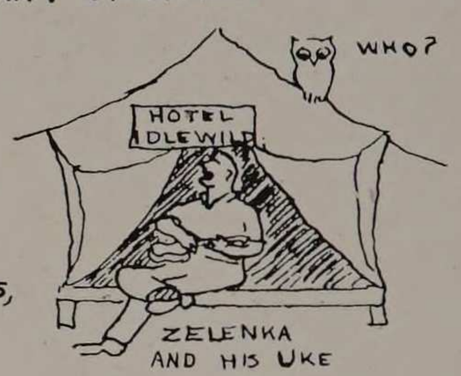


OUR BALL TEAM WAS SECOND TO NONE, IT WAS LAST.



S.O.L.
I.W.W.
HOME GUARD
S.A.T.C.
WOULD BE SHAVETAIL
90 DAY WONDER
PIPE DOWN, YOEMAN.
TIN SOLDIER
Q.M.C.
M.P.
SLACKER
YELLOWLEG
YOU JOHN SERGEANT
WAGON SOLDIER
DOG ROBBER
GOLD BRICK
SHUT UP YOUSE GUYS, GO TO SLEEP.
BOY SCOUT

SETTLING THE OLD QUESTION, "WHO WON THE WAR?"



ZELENKA AND HIS UKE



GEE! I Hope I Get a DOZEN!



DINNER!



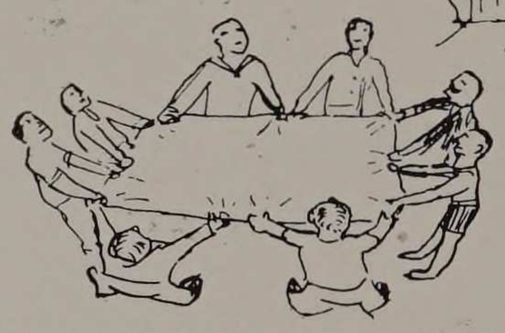
PLEASANT EVENINGS ABOUT THE FIRES.



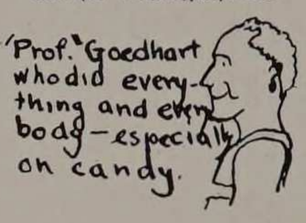
When Ghosts Walked.
Splash!

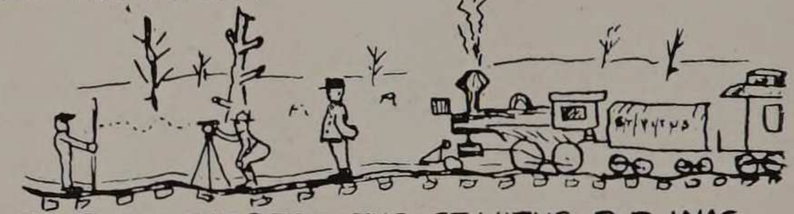


WASHING WAS ENTIRELY SUPERFLUOUS SOME MORNINGS



INTRODUCING THE AIRPLANE TO THE BACKWOODS





CHARLIE, SKIPPER OF THE ST VITUS R.R, WAS VERY OBLIGING, HE'D STOP AT EVERY HOUSE, IF IT WAS TWO-STORIED, HE'D STOP TWICE



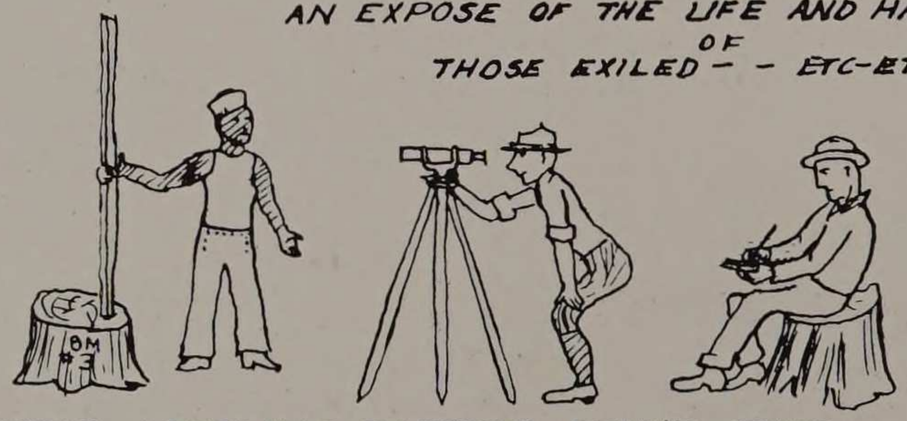


THE CALICO SPORTS HAD A 4 MI. HIKE TO A SODA FOUNTAIN AND SUMMER RESORT.

CROSS SECTION OF SURVEYING CAMP

— OR —

AN EXPOSÉ OF THE LIFE AND HARDSHIPS OF THOSE EXILED — — ETC-ETC.



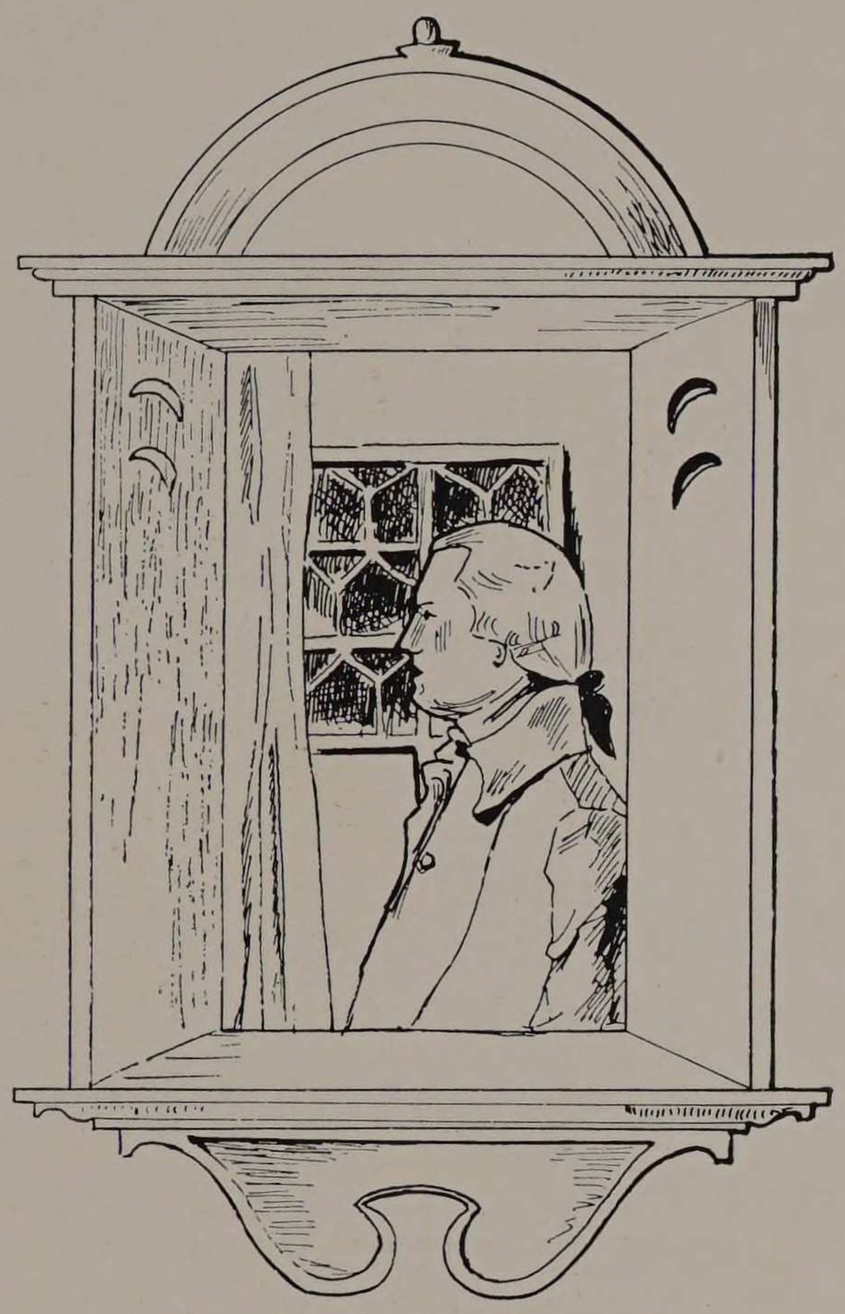
SOME LEVELING PARTIES FOUND THAT THE BENCH MARKS HAD SETTLED 2 FT. IN 2 HRS.



BIG DOINGS IN MINOCQUA ON THE 4TH BY HECK!

Bob Mayo

ALUMNI



D.A. PEREIRA

ALUMNI ASSOCIATION

1921-22

W. A. Kellner '10 ..... *President*
Raymond Koch '13 ..... *Vice-President*
Harold S. White '17 ..... *Treasurer*
Walter H. Hallstein '14 ..... *Recording Secretary*
Walter J. Bentley '20 ..... *Corresponding Secretary*
Morris W. Lee '99 ..... *Master of Ceremonies*

MEMBERS OF THE BOARD OF MANAGERS

1921-24	1920-23	1919-22
F. C. Dierking	S. V. James '07	R. M. Henderson '02
M. A. Smith '10	C. A. Kneupfer '15	J. C. Penn '05
Wm. H. Lang '02	W. D. Matthews '99	B. S. Carr '15

TO THE CLASS OF '22

As you stand on the border of a new country, you look back half regretfully at the home land. You wonder what the new land holds for you and how its inhabitants will receive you. Your need is for a friend and counsellor. Your Alumni Association will fill that need and we will therefor, as a friend, tell of our past that the future friendship may have a firmer foundation.

The Alumni Associations are distinctly American Institutions. The European schools are so closely bound to the States that the schools lose their entity and the students move from one to another with ease and frequency. There is not found there, the same scholastic loyalty and affection which exist in the United States. With her characteristic organizing insight, America has fostered this love of Alma Mater through the Alumni Association.

From small nuclei of graduates, they have grown with the schools so that, in many cases, they are now extensive and powerful organizations. Frequently they have proved the backbone and balance wheel of an institution. As benefactors of needy students and promoters of athletics and a wider college life, they stand as the guardian of ever green and growing traditions. Their benefits stop not at graduation, but continue all through life and leave their impress on business and social relationships.

The first class to be graduated from the Armour Institute of Technology was that of 1897. In 1900 the graduates totaled eighty-five and the Alumni Association was founded. This small body of loyal and enthusiastic Armour men had perhaps a wider vision and planned better than they knew. The spirit of co-operation and good fellowship which develop in the four years at Armour

make impossible the severance of the ties and the Association has spread with the passing years.

In 1904 the large number of Alumni in and around Pittsburgh made possible the founding there of a branch organization which has been active ever since. The Institute had been growing rapidly in the intervening years and in 1910 it was found necessary to adopt a new Constitution. At the same time the Association was incorporated under the laws of the State of Illinois. The following year saw the founding of the Alumni Loan Fund. This is a constantly increasing fund formed from the subscriptions of the Life-Members. Loans are made to members of the Junior and Senior classes after due investigation is made of their needs by the Loan Fund Committee and by the Deans of the Institute. The loans bear only nominal interest and are made payable after graduation. As no security is required, it is a splendid testimonial to the integrity of Armour men that every one of the loans made has been promptly paid.

The Roll of Graduates comprised more than 1400 at the start of the present scholastic year, and the Association again found it expedient to rewrite the Constitution to take care of the growing activities. The records of Armour men who were in are war are being compiled and will soon be completed. To counteract the disorganizing effects of the war and the subsequent industrial depression, has been the chief effort this year. The records and roster of the Association have been checked and put in order. Semi-monthly luncheons have been held at the Hamilton Club, Chicago. These have been held on fixed days and have been timed to fit in the ordinary business lunch hour. They have been well attended and proved a success in every way. The frequent contact has both strengthened the Association and promoted many valued business and social friendships. The regular mid-winter meeting was held on January 18 at the University Club. A pleasant entertainment was furnished by the Glee Club and all voted the Banquet the best in many years in attendance, spirit and the pleasures of the moment.

Election of officers of the Association is by letter-ballot and due representation is given each class. The mid-winter meeting is held in January and the spring meeting in May as a part of the graduation exercises. On this occasion the Seniors are present as the guests of the Association and are formally enrolled as members. The *Armour Engineer* stands as the Alumni's record before the student body and should be in turn the medium through which the students render account of their stewardship.

Class of '22: You have now graduated as the twenty-fifth class of your Alma Mater. The four years of toil are crowned with success. It has not, however, been all toil. There was rare good fellowship—joy as well as labor has been shared. The lesson of co-operation was well learned. The helping hand of an Alumni, the word of advice, and the recalling of old memories will now mean much. We welcome your addition to our ranks, Class of '22, and will help you on your way. You have won the right to fight as an *Armour Man*—and you will win.

WALTER J. BENTLEY, *Corresponding Secretary.*

WHEN BADGE GROWS OLD

We've slipped the bandage from your eyes,
  We've drawn aside the veil
That hides our sacred mysteries
  From men beyond our pale;
And now upon your glad young breast
  We place a pin of gold—
You cannot know how richly blest
  Till this new badge grows old.

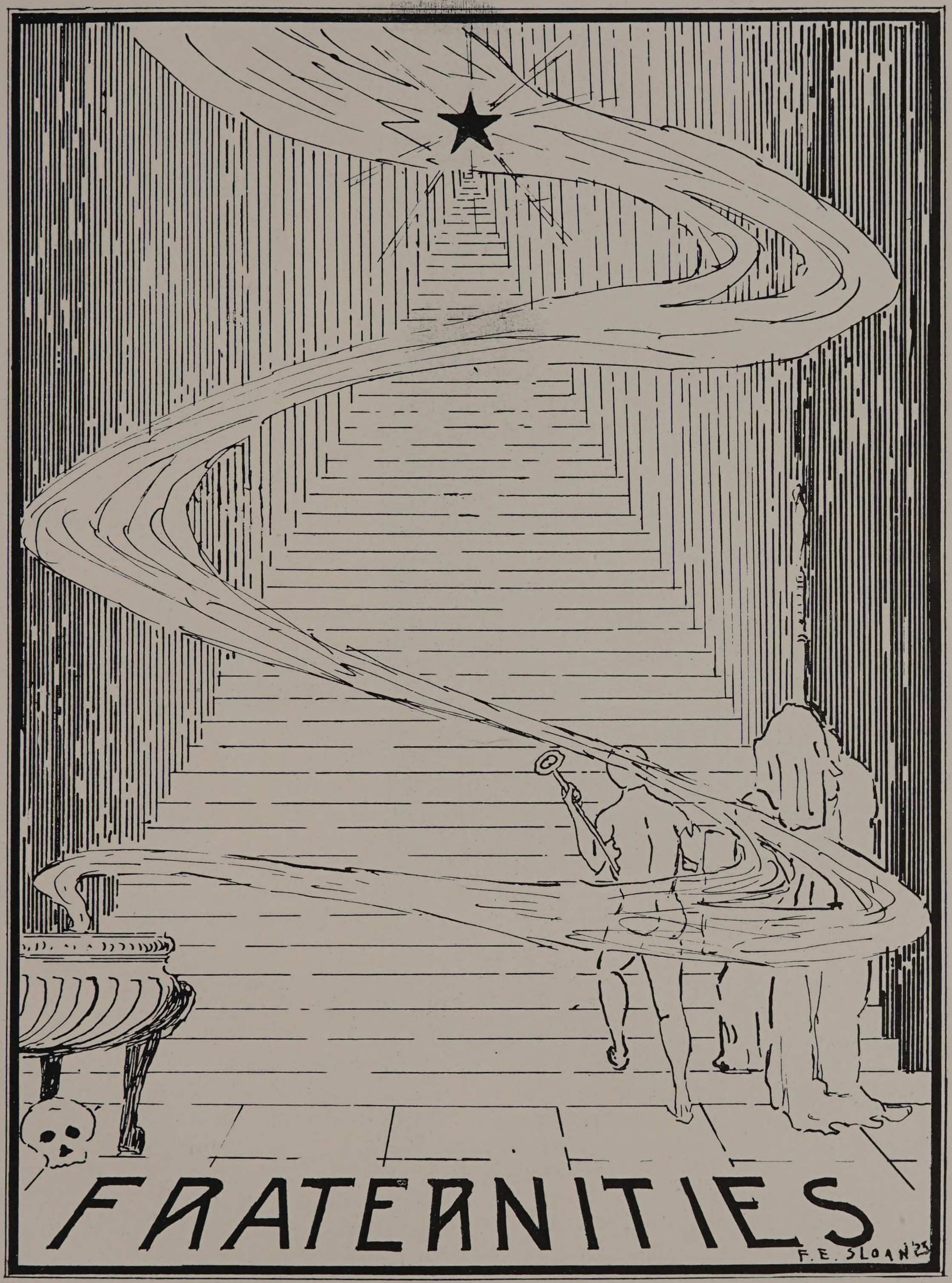
How brightly in this mystic gloom
  Its letters shine for you,
While now within our chapter room
  Each eager dream comes true;
Full many a dream shall drop to dust
  And many a hope lie cold;
But you shall find no hint of rust
  When this new badge grows old.

This badge proclaims the newest part
  Of all our endless line,
And hand to hand and heart to heart
  We form the eternal sign;
Grip tight the links of this dear chain,
  God grant they long may hold;
You can not make such friends again
  When this new badge grows old.

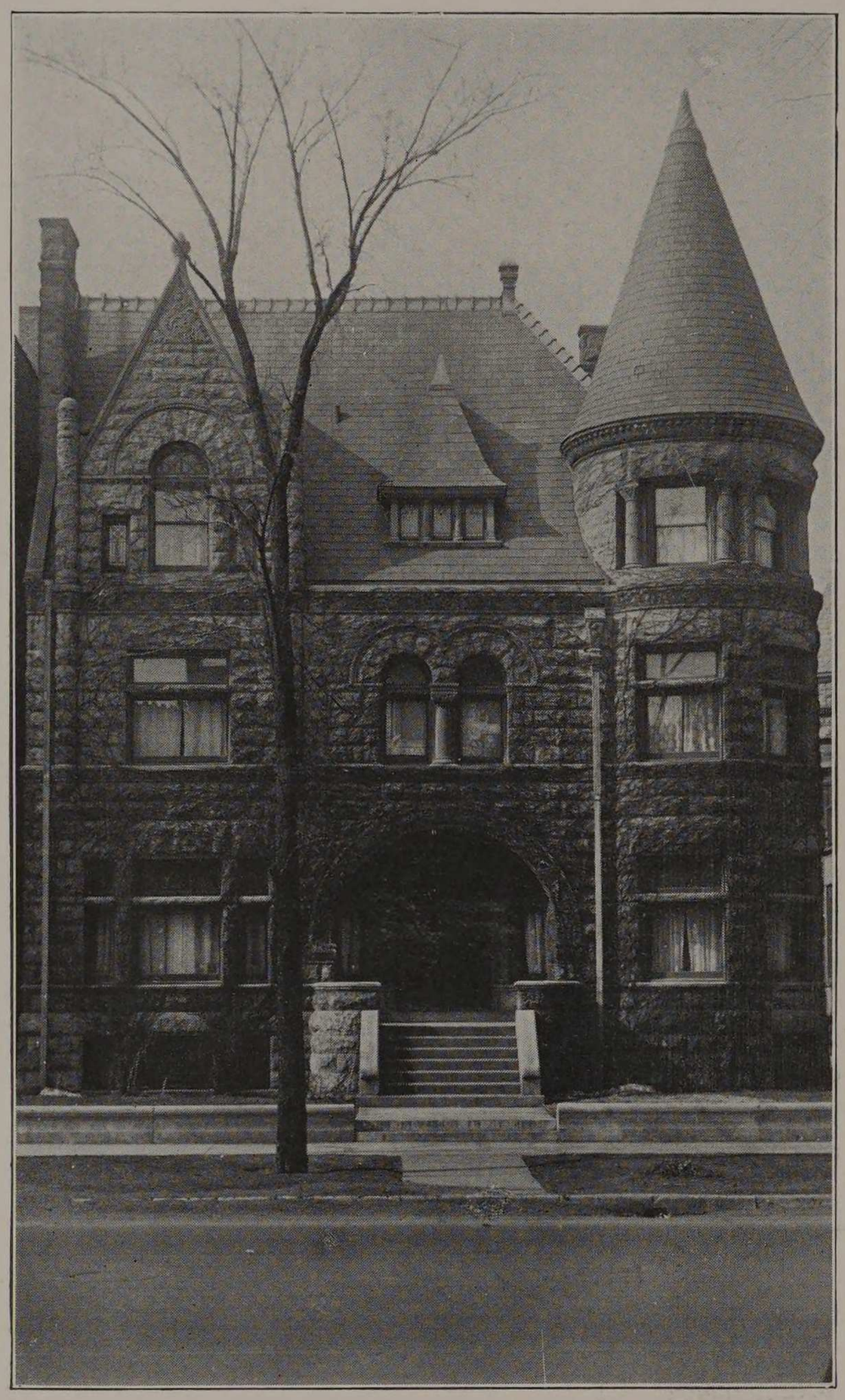
This little hour of happiness
  Shall light your future way
Through years whose course we can
  But guess, from promise of today.
Unreckoned now some happy boy
  May watch your name enrolled,
And wear his father's pin with joy,
  When this new badge grows old.

Then close together, hand in hand
  And heart to heart—for, Oh!
Tonight you can not understand—
  But some day you shall know.
So now upon your glad young breast
  We place this pin of gold;
God give you only of his best
  While this new badge grows old.

—CHARLES FIELD KELLOG.


FRATERNITIES
F.E. SLOAN '25

FRATERNITIES



PHI KAPPA SIGMA

Alpha Epsilon Chapter

Chartered June 8, 1898

Thirty-one Active Chapters

FACULTY

JOHN JOSEPH SCHOMMER
University of Chicago '10

SENIORS

Nels Harold Erlandson
Edward Walter Geisler

JUNIORS

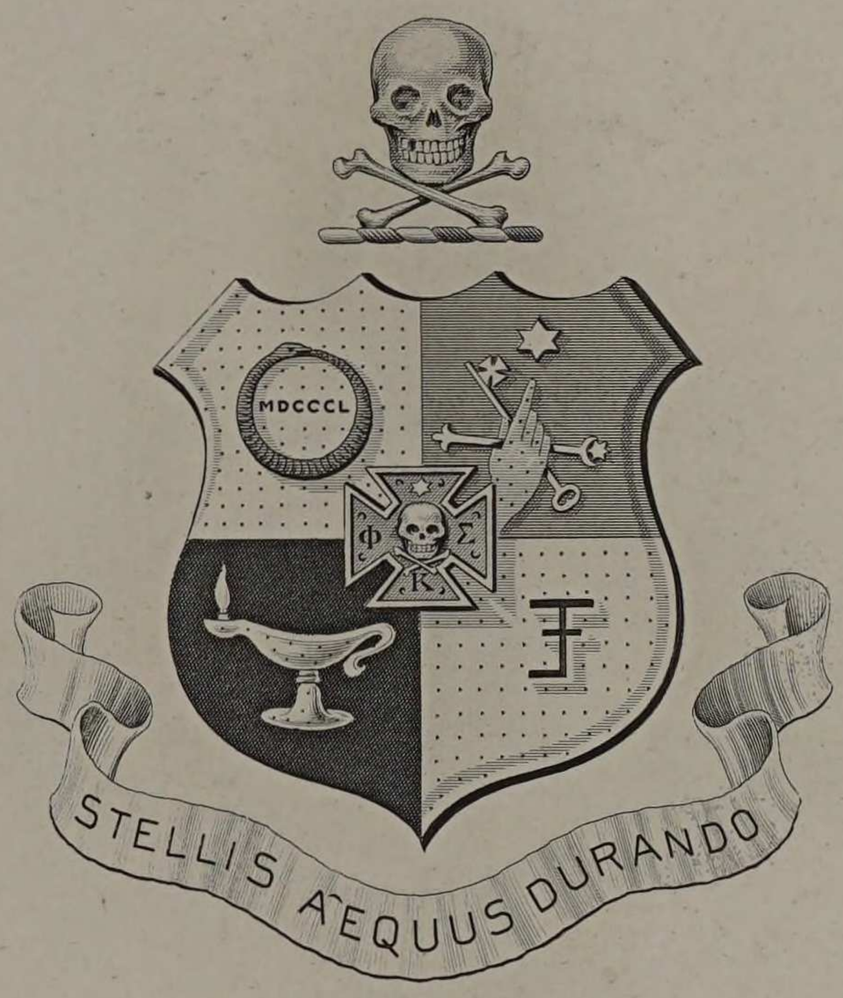
Roy Paul Jensen
Linus Palmer Overend
Fred Emerson Sloan
William John Tarrant

SOPHOMORES

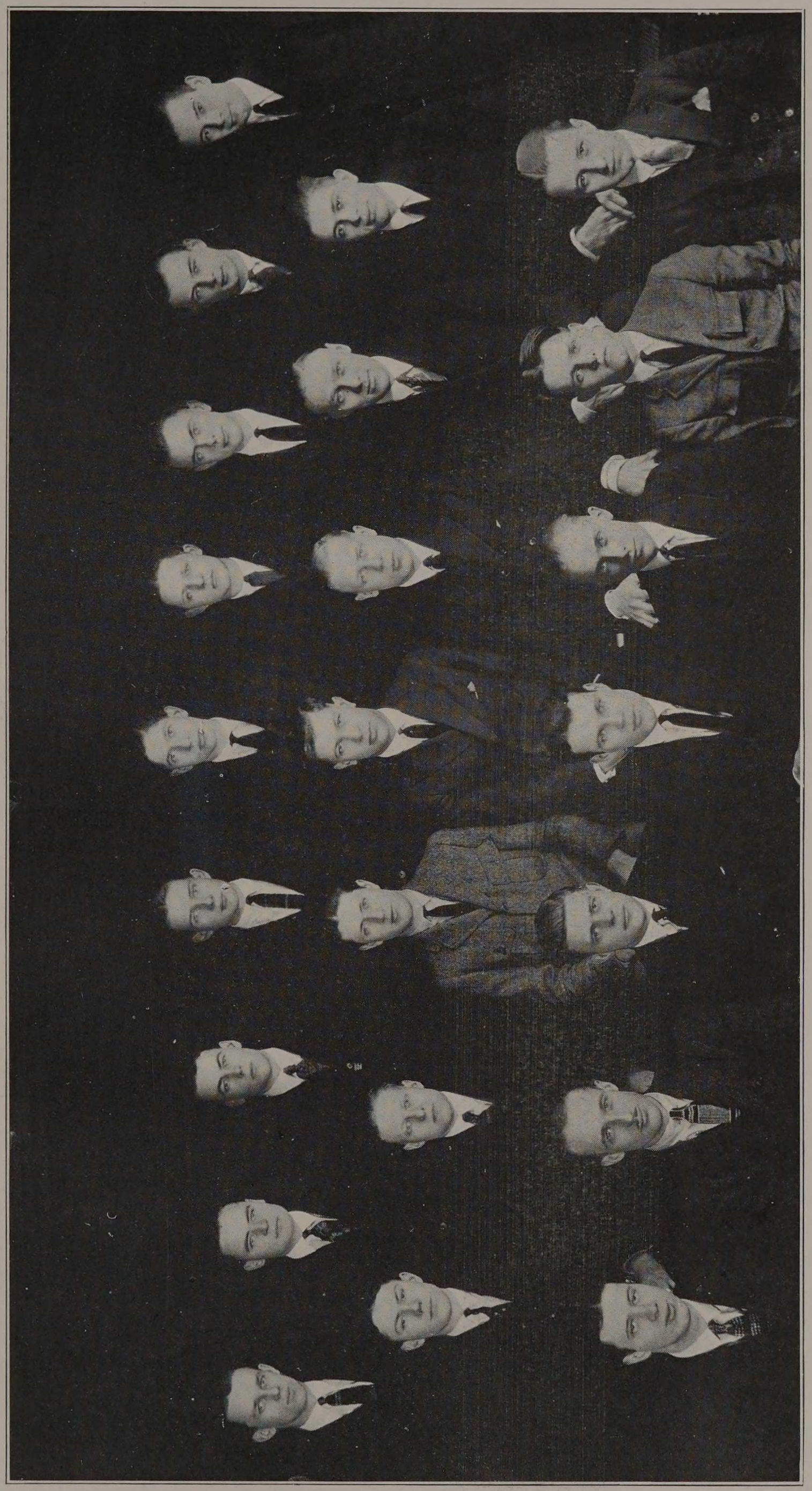
Charles Henry Bockman
Joseph Nelson Glover
George Edward Huenerfauth
Eugene Emery Mark
William Edmund Schweitzer
David Boardman Scoville
Edward Lewis Wells

FRESHMEN

William Hale Baldwin
Harvey Newland Bowen
Floyd Edwin Brown
Homer Herman Heuchling
James Alexander Davidson
Earl Raymond Hubbell
Clinton Martens Hughes
Theodore Walter Lindeman
Allen Quirinus Seaholm
Harry Perrine Whitehill



Dreka, Phila.
Design Patent applied for



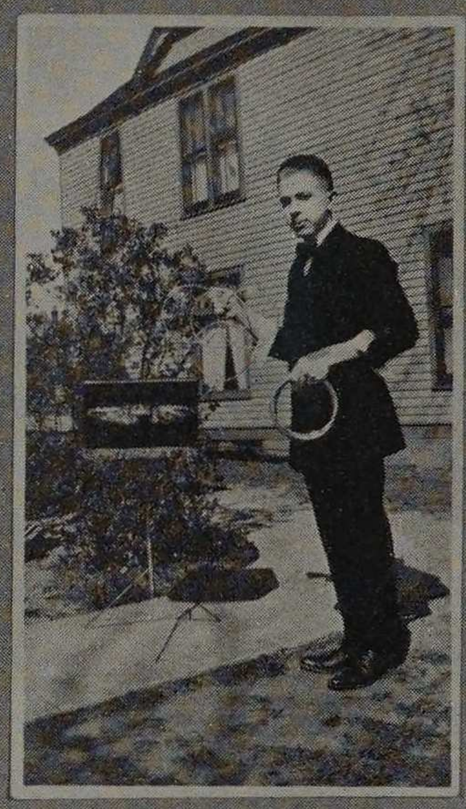
Seaholm Lindeman Whitehill Bowen Heuchling Hughes Heuerfaudt Hubbell Davidson
Baldwin Wells Scoville Bockman Geisler Erlandson Sloan Schweitzer Jensen Overend Brown
Tarrant Glover Mark

FRATERNITIES

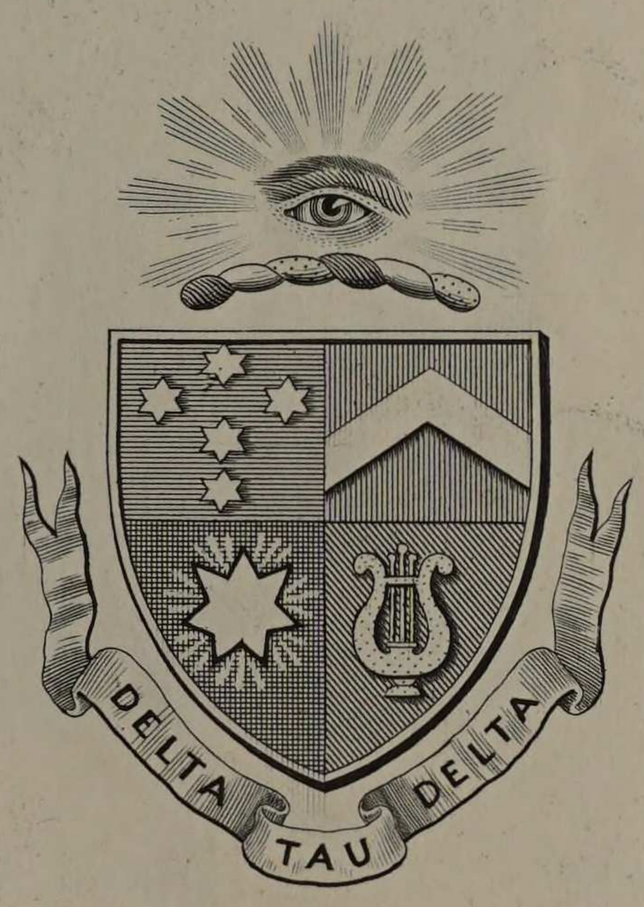












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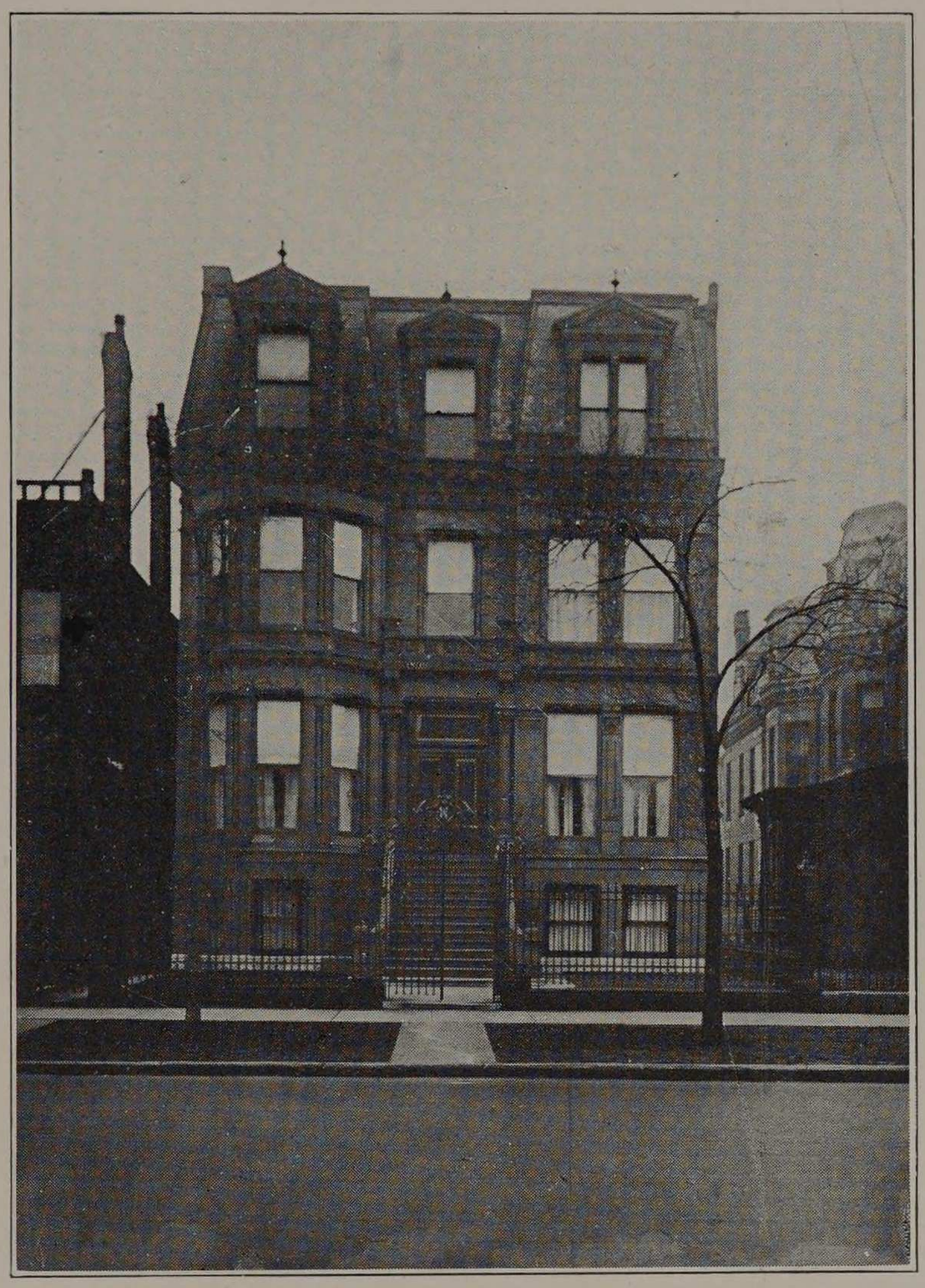


DELTA TAU DELTA

Gamma Beta Chapter

Chartered May, 1901

Sixty-five Active Chapters

FACULTY

ARTHUR HOWE CARPENTER
Ohio University, 1894

SENIORS

Woodbridge W. Bissell
Gilbert V. Bradbury
Albert A. Davis
Wallace T. Gray
Robert R. Maguire
Thomas J. Rowe
Richard F. Campbell
Edwin G. Walker

JUNIORS

Robert O. Bradley
Ora L. Cox
John H. Ford
Harlan R. Harwood
Russell B. Grove
George C. Kinsman
John V. Lizars
Donald E. Rutishauser
George B. Stantial
Merle C. Nutt

SOPHOMORES

Max M. Bayard
Edgar A. Lynch
Francis Montgomery
Kenneth Murner
William Brinkman
Howard E. Wetzel

FRESHMEN

Curt Abplanalp
John Beattie
Stanley Cartwright
John Greenleaf
Carl Olson
Stanley Owens
Milton Westerberg
S. Maxwell Shoemaker

FRATERNITIES



Lynch Bayard Ford Maguire Grove Bradley Beattie
Shoemaker Owens Murner Rutishauser Walker Montgomery Cox Greenleaf
Stantial Bradbury Davis Gray Nutt Lizars Cartwright
Harwood Olsen Bissell Wetzel Abplanalp Westerberg

FRATERNITIES

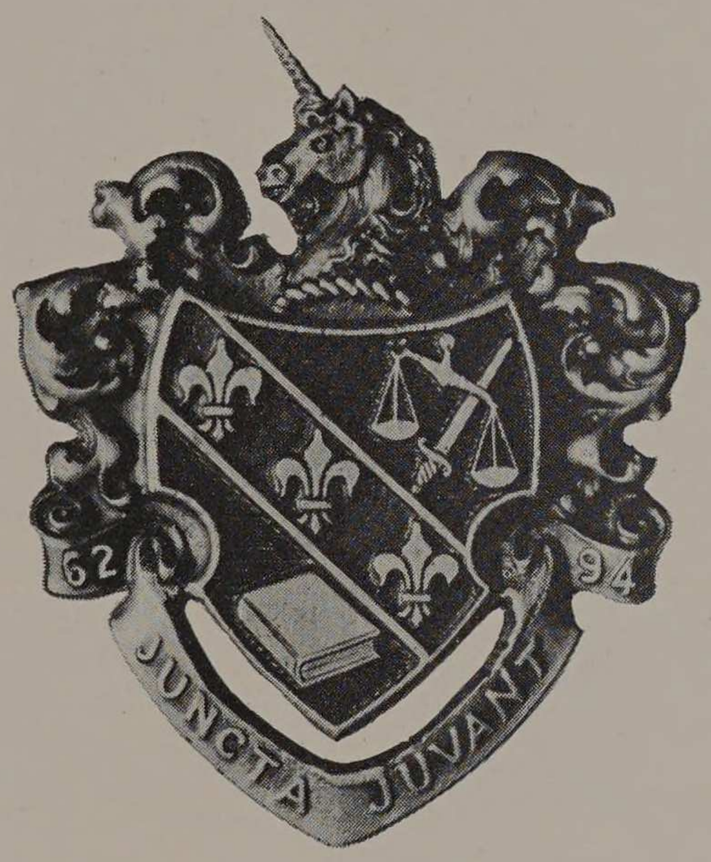


In December, 1920, Omega Lambda was busily engaged in preparing a petition to the Grand Lodge of the Theta Xi Fraternity for a charter as a chapter of that Fraternity. The petition was completed, and a copy sent to each of the active chapters in the Fraternity. However, due to some misunderstanding, the petition did not reach the Grand Lodge in time for them to appoint an investigating committee to visit us, and make their report before the annual convention of 1921. The petition, however, was brought up at the convention and was tabled until the convention of 1922, due to the fact that an investigation had not been made.

We immediately got in touch with the Grand Lodge, and they assured us that an investigating committee would be appointed as soon as possible, and that they would visit us some time before the close of the year. The committee was appointed, and they visited our chapter house on November 18, 1921, and their report sent in to the Grand Lodge of the Theta Xi Fraternity.

A supplement to our first petition was then prepared and sent to all of the chapters of the Fraternity. The convention was held on February 24 and 25 at Pittsburgh, and Omega Lambda was granted a charter by the Theta Xi Fraternity along with the Pi Pi Rho Fraternity, which was a local at the University of Illinois.

The next step, of course, was our installation, and to accomplish this, we sent five of our men to Mu Chapter of Theta Xi at Iowa State College. These men returned and with the assistance of several of the Theta Xi Alumni in Chicago, our entire chapter as well as a number of our alumni were installed, and we were officially in the realms of one of the strongest national college organizations, and from this time on, will be known as the Alpha Gamma Chapter of the Theta Xi Fraternity.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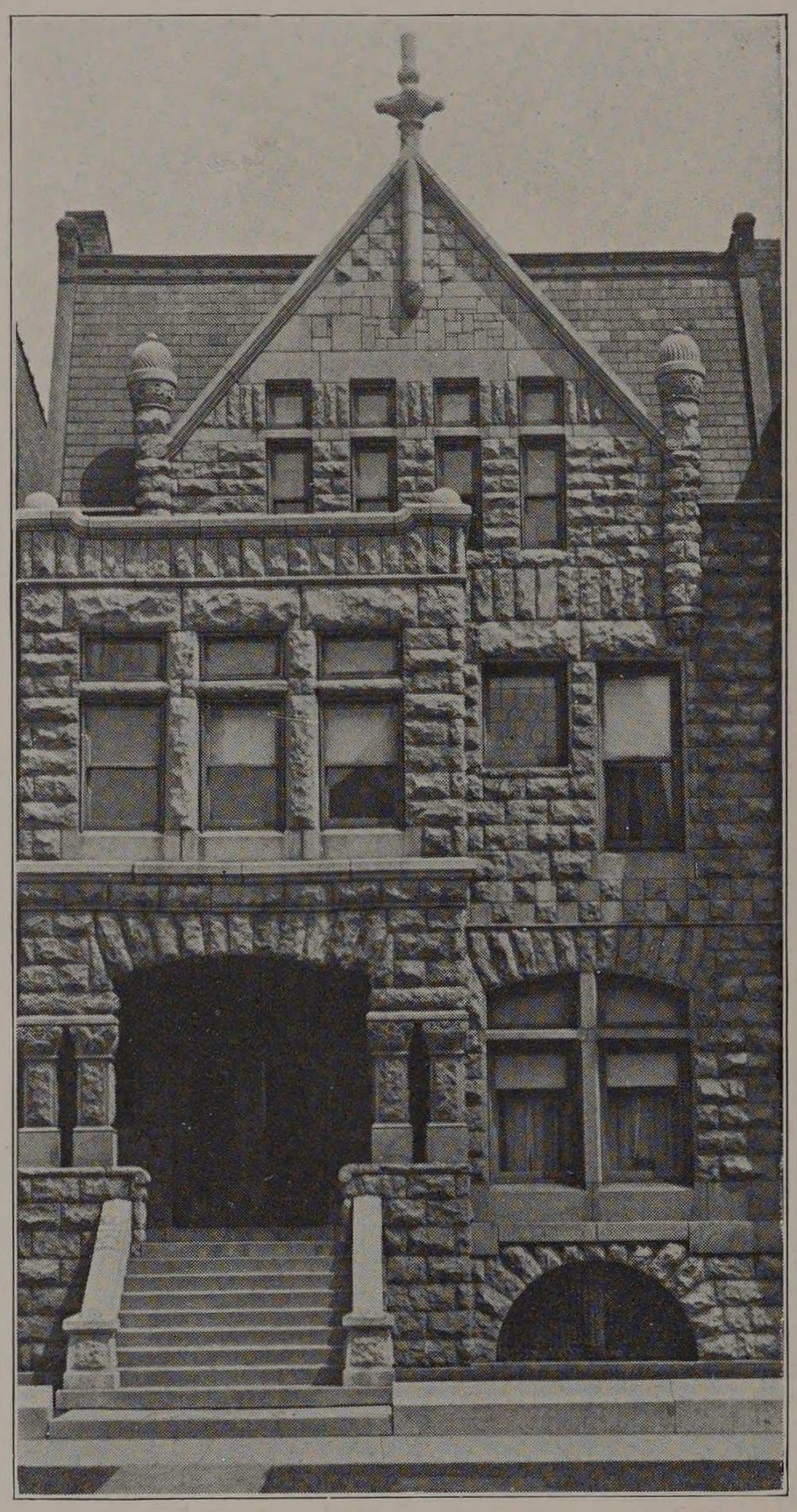
94
JUNCTA JUVANT



THETA XI

Alpha Gamma Chapter

Chartered February 25, 1922

Twenty-seven Active Chapters

FACULTY

ROBERT VALLETTE PERRY, Armour 97
CHARELS EDWARD PAUL, M. I. T. '00
JOHN CORNELIUS PENN, Armour '05
CLINTON EVERETT STRYKER, Armour '17

SENIORS

W. J. Chapin
W. L. Dalrymple
J. J. Demuth
E. C. Eierdam
L. M. Holmes
G. W. Lochow
A. R. Mehrhof
J. W. Roddick
H. A. Petersen
J. B. Thompson
W. F. Yerkes

JUNIORS

G. G. Blair
W. B. Blaufuss
K. E. Brueckner
R. D. Fisher
C. W. Hauth
R. O. Matson
C. F. Pope, Jr.
E. F. Sisson
K. E. Eppich
J. C. Stoker
R. A. Temple
J. L. Walsh
J. C. Worley

SOPHOMORES

T. E. Belt
C. S. Cole
E. A. Klein
L. M. Latta
E. A. Lohmen
G. W. Lovald
L. C. Thoelecke

FRESHMEN

W. J. McCauley
W. J. Patterson
N. H. Reeve

PLEDGES

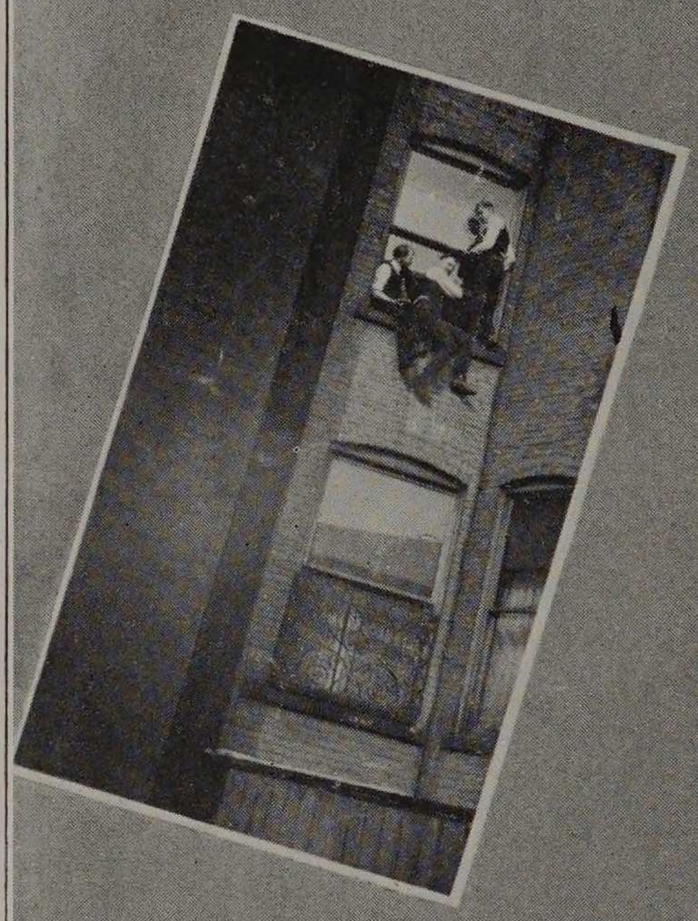
W. C. Cummings
J. P. Dunlap
R. A. Smith



Lommen McCauley Sisson Eppich Latta Temple Roddick
Lochow Hauth Yerkes Worley Lovald Belt Patterson
Eierdam Holmes Thompson Petersen Brueckner Blaufuss Thodecke
Dalrymple Mehrhoff Chapin Cole Klein Fisher

FRATERNITIES







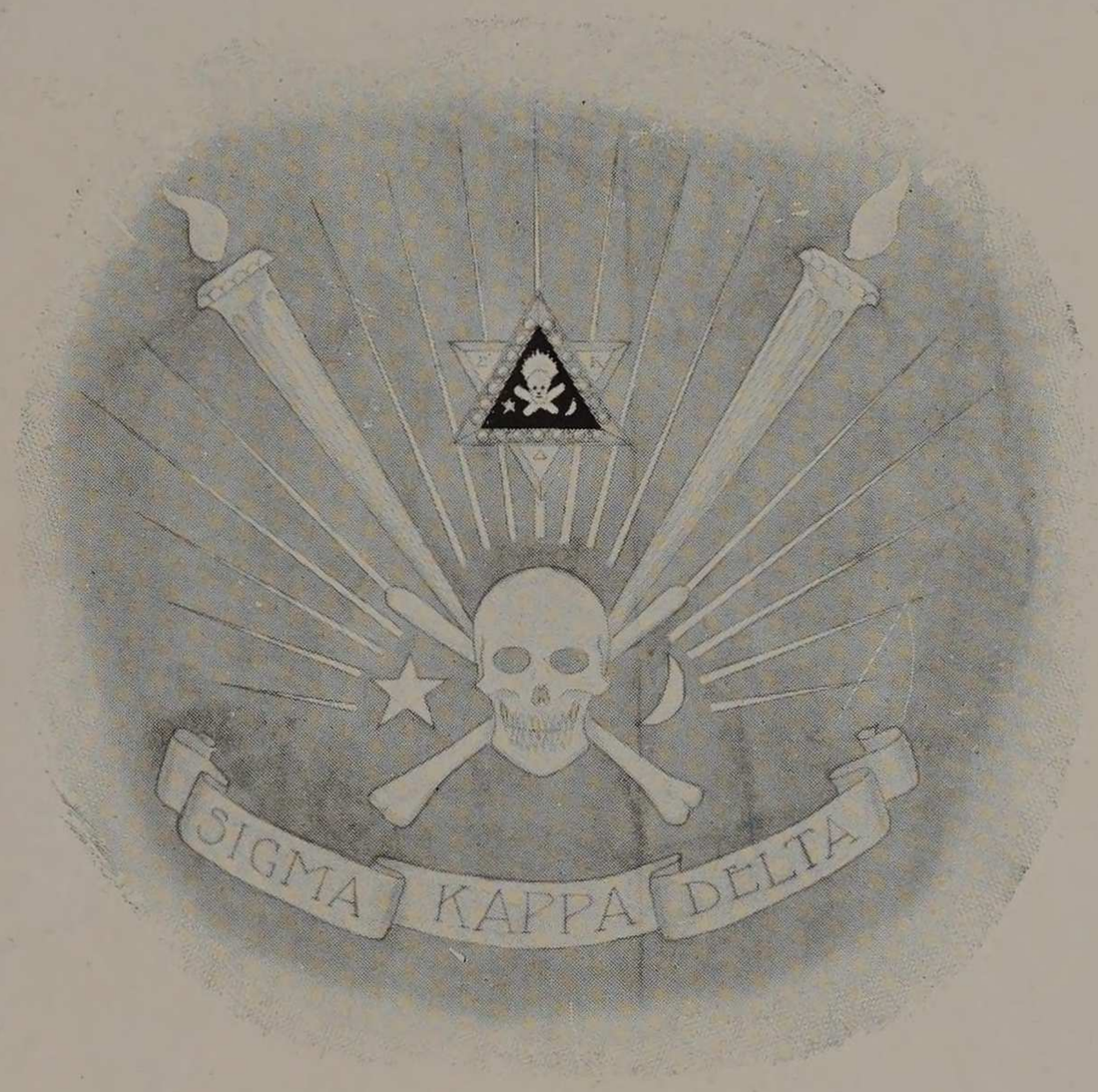


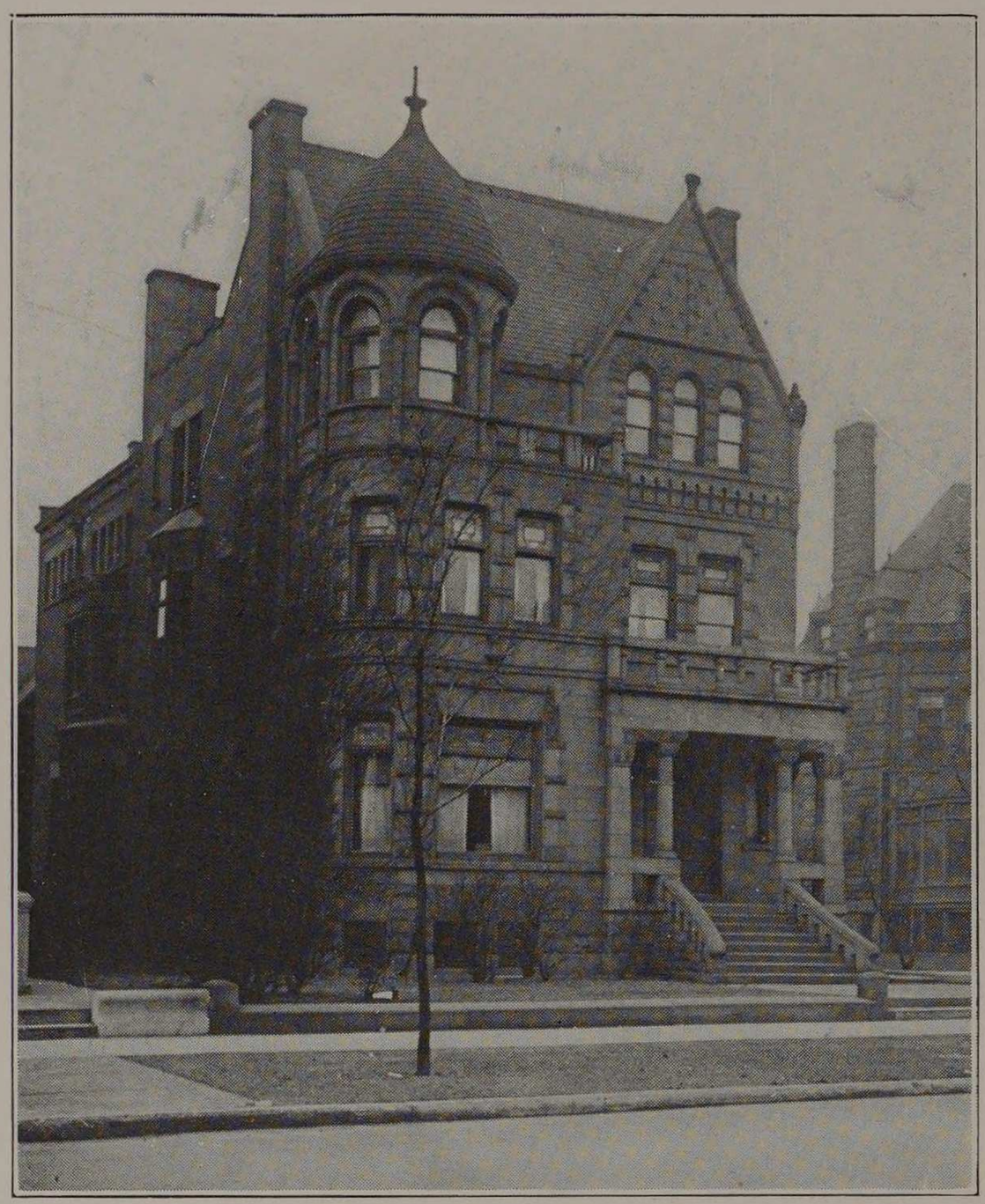









SIGMA KAPPA DELTA



SIGMA KAPPA DELTA

Organized September, 1912

FACULTY

JAMES C. PEEBLES, Armour '04
WILLIAM H. LAUTZ, Armour '13

SENIORS

J. Corydon
E. F. Dhus
C. A. Herbst
H. W. Herbst
F. G. Hochreim
D. S. Jennings
E. M. Mason
R. O. Miles
L. L. Reihmer
E. M. Seaberg
W. J. McCormack
H. M. Swenson
W. S. Trowbridge
J. C. Vaaler
J. H. Watt
G. D. Wetherbee

JUNIORS

W. J. Falconer
F. A. Manske
L. G. Miller
A. T. Olson
E. C. Reimann
R. L. Wheeler

SOPHOMORES

M. L. Brown
R. E. Freeman
P. E. Harmegnies
W. A. Marks
H. F. Page
P. R. Ranson
G. P. Ruddiman
E. R. Sanborn
O. M. Spaid

FRESHMEN

W. G. Kopecky
D. Manson
C. M. Schneider
V. D. Taylor
W. S. Van Valzah
E. Voita
R. B. Whittlesey

PLEDGES

H. Goers
G. Taylor
J. C. Whitfield
C. E. Tweedle



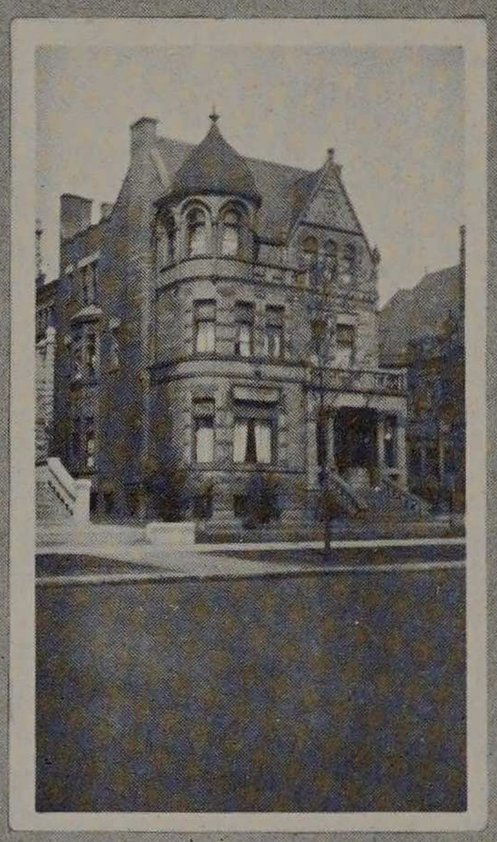
Goers Reimen Miller Olsen Mason H. Herbst Spaid McCormack
Freeman Hochriem Falconer Harmognies Kopecky Manson Trowbridge Wheeler Kirkhuff Rheimer Schreiber
Corydon Watt Sanborn Miles Seaberg Vaaler Wetherbee Ruddiman Brown
Taylor Voita Tweedle Jennings Taylor Whitfield Van Valzah Dhus Whittlesy

FRATERNITIES





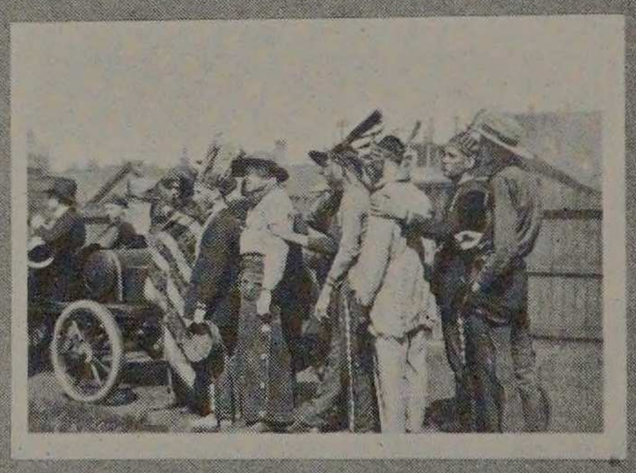


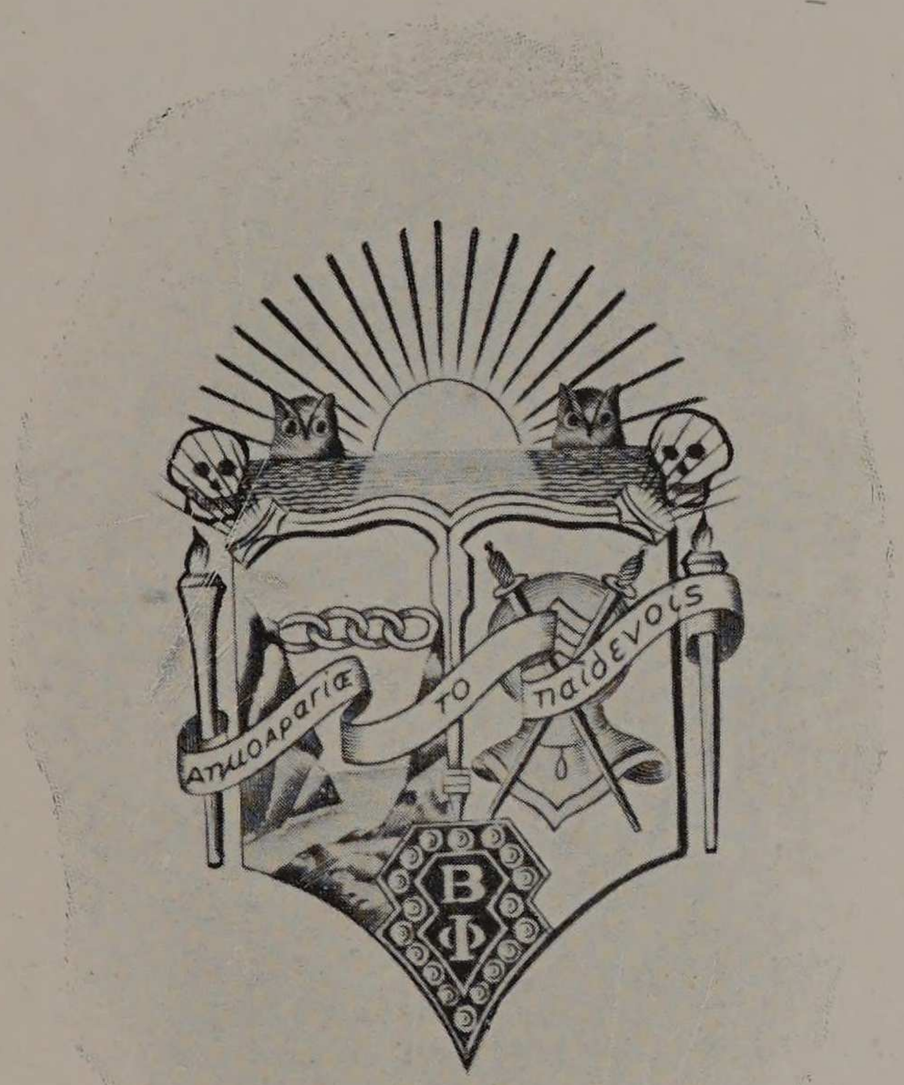


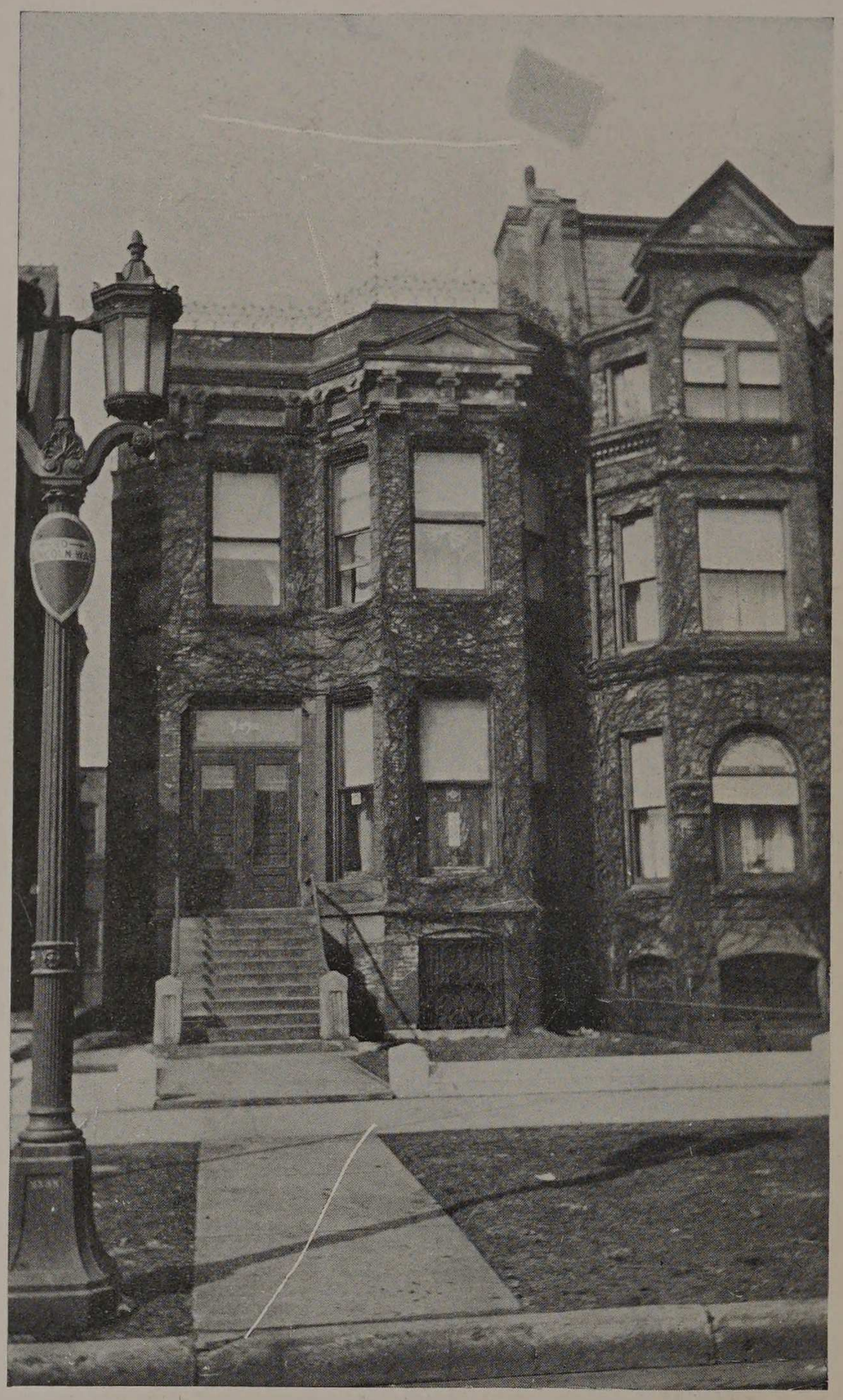









ΑΠΩΛΟΦΑΡΙΑ
ΤΟ
ΠΑΙΔΕΥΟΥΣ
Β
Φ



BETA PHI

Founded at the University of Chicago, 1911

FACULTY

E. H. Freeman, Armour '02

H. L. Nachman, Armour '03

Daniel Roesh, Armour '04

SENIORS

Marvin R. Olson
Harold Weston
Robert E. Broad
Earl R. Ewin
Maxwell F. May

JUNIORS

Elmer J. Biever
Jerry Citta
Allan Hill
Charles B. James
George A. Morgan
Harold Niksch
Gerhard N. Schumacker
Adelbert J. Verplank

SOPHOMORES

John R. Brady
Earl J. Harrington
O. Edmund Heartstedt
Elliot F. Jarvis
Axel W. Jensen
Debbert P. Noren
Norman B. Olsen
Curtis A. Shade

FRESHMEN

Ralph Anderson
Robert P. Greenlee
D. Harold Hazel
David Larson
Raymond Morgan
H. Mueller

PLEDGES

E. Davis
F. C. Whiting
M. R. Pate

The Spectator—The Art of Getting By.

"PICK YOUR PROF., or the Art of Getting By," is the title of a little pamphlet issued by the Institute for Public Service.

It contains much useful information to the youth of our land, and will help them to avoid nervous breakdown from overwork at college.

There are all sorts of interesting things to do at college if one can dodge work. There are tennis, basketball, boxing, football and other amusements where one can wear a sweater with a big "U" on it. Then there are larks of evenings, card parties, food feasts and escapades.

One can get some fun out of working on a college paper, joining the various clubs and Greek letter societies. One can go to Rushes, be a good dancer and a star fusser.

If it were not for the teachers and classes, college would not be such a bad place.

In order to avoid the peril of becoming a grind, one should learn the art of Picking His Profs.

(1) Sound out the students during your first few days at school. You can easily ascertain the disagreeable teachers who make a fellow work.

(2) Lecture courses are nearly always snaps. Kid the Prof. along and make him do all the talking.

(3) Almost every Prof. has some vanity or weakness. Find it out and work it.

(4) Learn the first few lessons perfectly. Once you get your reputation established you can pull the wool over the teacher's eyes easily.

(5) The most dangerous kind of Prof. is the kind that makes you honestly want to learn. Shun such. The first thing you know you will become a shark and lose caste entirely with the regular fellows.

(6) Study the art of flattery. If you can find a Prof. who likes to show off, the rest is easy. Always laugh at his jokes. Pay him compliments, the rawer the better.

(7) Learn your Prof.'s hobby. Whether you care about it or not, ask him questions. Get him to talking. Thus he will take up all the time in the class room and forget to mark you.

(8) Cultivate facial expressions of childlike innocence and interest. Let the Prof. see you look up at him as a Hottentot looks up to his idol.

(9) If the Prof. is a bit shy, and you see you are not making a hit, visit him outside of the class room and ask him question on his hobby. Get him to recommend books to you and let him see you write down the titles in your notebook. You've scored. You need never to refer to them again.

(10) Ask the Prof. to repeat what he said yesterday, and appear to listen with rapt attention.

(11) Gauge him. Estimate him. If he likes profuseness, use a lot of words. If he prefers conciseness, affect a laconic air.

(12) Encourage him to talk about himself.

(13) Find out what games he plays, what fiction he reads, what shows he likes, what stores he patronizes, and let him discover that you have the same tastes.

(14) Bluff. Put your best foot forward.

(15) If you do not know anything about a subject, and you are asked to recite, don't hesitate. Start right off talking. Keep your eye on the Prof. Pretty soon you will see he is interested in some point you touch. Then hang on to that and let the rest go.

(16) Argument is sometimes good, sometimes dangerous. Watch the Prof. If he is intolerant and dictatorial, agree with him always. If he prides himself on his ability to arouse discussion, give him plenty of it.

(17) Make a list of questions nobody can answer and spring them on the Prof. when you get a chance.

(18) The course of college life is boredom. Driven by this you are likely to get interested in study if you are not careful.

(19) A great many Profs. are honest, alert-minded, earnest and intelligent. They are self-disciplined and hence know how to discipline you. Avoid these. There will always be found some fop or egotist. Pick these. They are much more easily handled.

(20) Learn how to cram. You can then idle your way through the term and cram like sixty along toward the end and Get By.

These twenty hints ought to help.

College is usually an advantage. A diploma framed and hung up in your office is an ornament.

If you master the art of Getting By at school you will have a good chance to Get By the rest of your life.

resignation of John W. Rodgers, superintendent, is expected to follow soon.

Lost on Peak, Carries Stricken Pal to Safety

BOSTON, Feb. 8.—Braving death from exposure and ice-coated precipices while lost at night on Mount Monadnock, N. H., during a week-end trip, Karl H. Robinson, a Boston University freshman, carried Rupert Robinson, a fellow student, from the summit to safety after Rupert had been rendered unconscious by a fall. They are not related.

300-Mile Wireless Police Alarms Tried

NEW YORK, Feb. 8.—The sending of alarms by wireless to other police stations within a 300-mile radius is the latest development to catch criminals, it was learned today, the New York police department having instituted experimental wirelessing a week ago.

I wish I co
cover "Per
Motion" w
eating
POST TOA
—says Bo
Superior
Corn Flakes





Unusual Price Reductions

For the week of February 7th

Lamps and Silk Shades

at unheard of prices. One of the biggest lamp values is illustrated at the left.

Silk Shades

at correspondingly sharp reduction

The Silk Shades included in this sa reflect the latest style tendencies an are obtainable in a variety of colo For quick clearance, we have place them in three big groups—

210 26-inch Silk Floor Lamp Shades were $35, now $18.5

160 26-inch Silk Floor Lamp Shades were $45, now $22.0

253 26-inch Silk Floor Lamp Shades were $60, now $28.5



Library at the —$15. assures old in by us only

35

ash or

Month

ces also sale at prices.

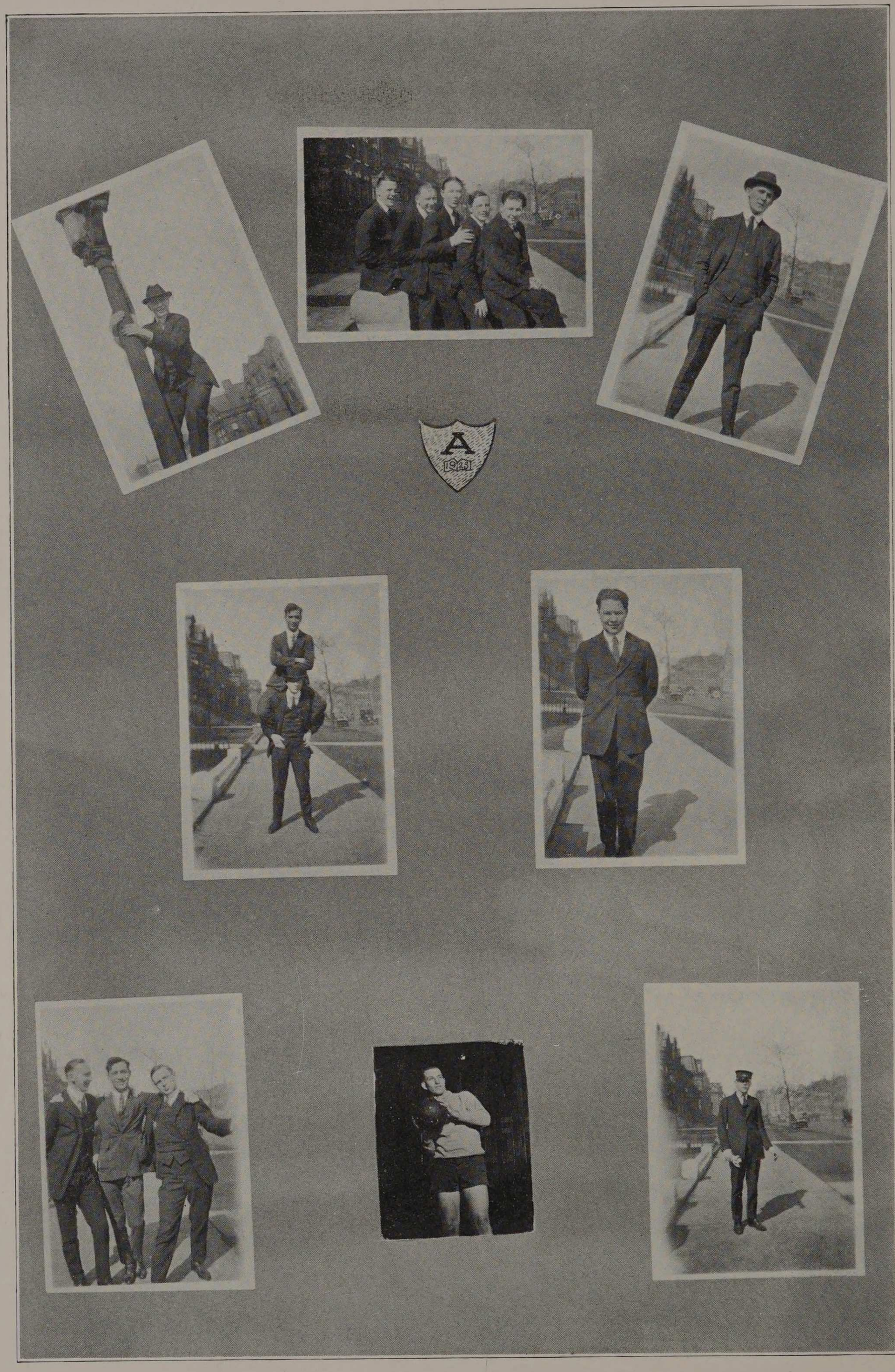
ONWEALTH EDISON S

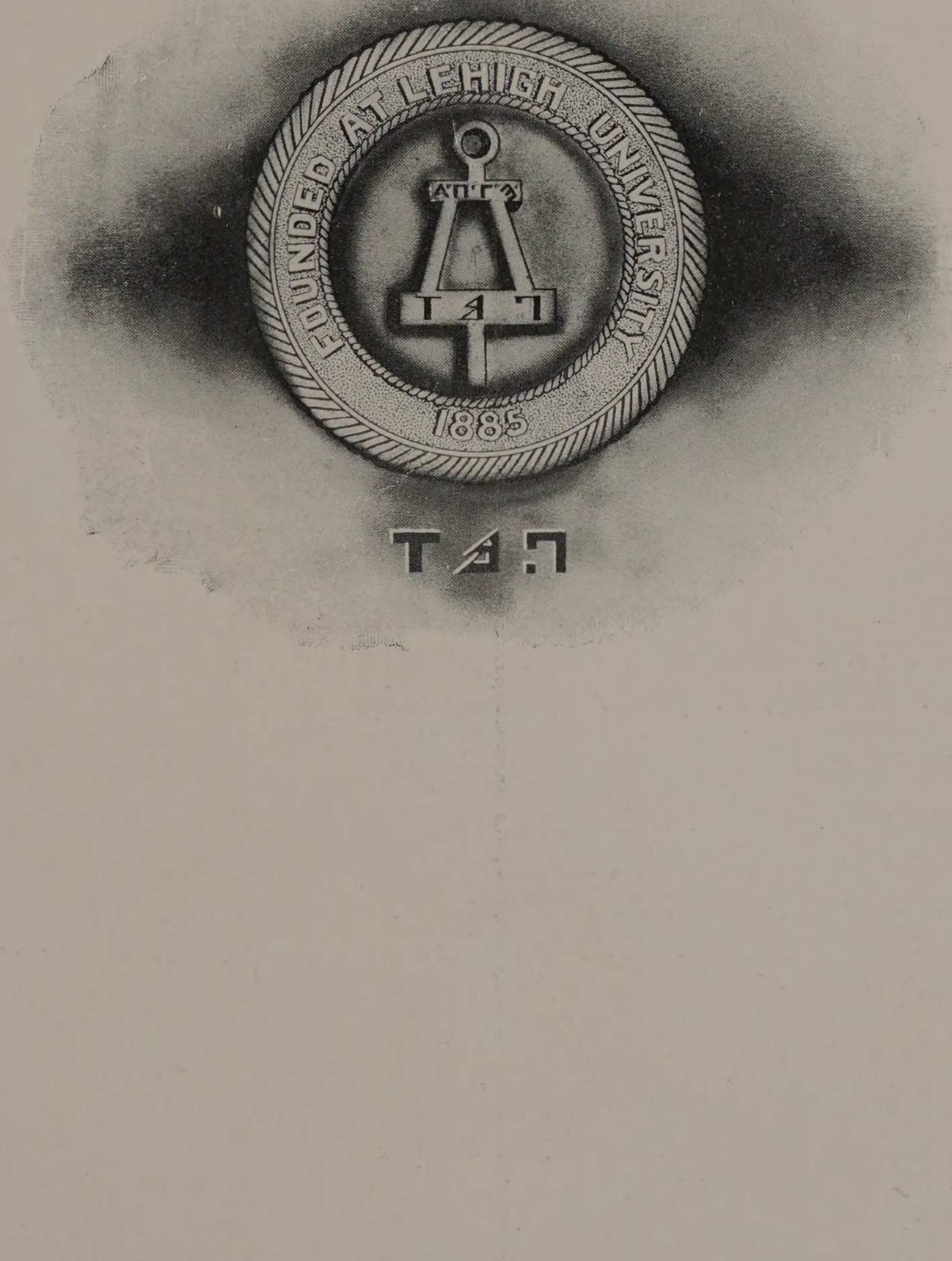
CTRIC SHOPS



Brady Olsen Hill Witty Weston Olsen
Anderson Noran Hartstead Schumacher James Shade Harrington
Jensen Biever Ewin Morgan Mays Niksch
Jarvis Davis Greenleaf Mueller Citta Hazel

FRATERNITIES



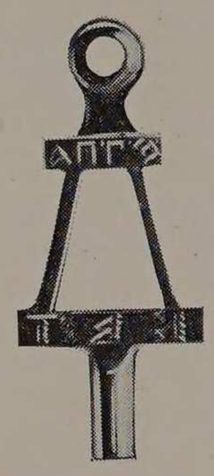

FOUNDED AT LEHIGH UNIVERSITY
1885

TAU BETA PI

National Honorary Engineering

Beta Chapter of Illinois

Chartered April, 1906



Thirty-eight Active Chapters

Faculty Members

E. H. Freeman, Armour '02
P. C. Huntley, Arkansas '10
W. H. Lautz, Armour, '13
C. W. Leigh, Illinois, '87
E. S. Libby, Armour, '02
D. P. Moreton, Armour '06
H. L. Nachman, Armour '02
J. C. Peebles, Armour '04
J. C. Penn, Armour '05
R. V. Perry, Armour '97
Daniel Roesch, Armour '04
M. B. Wells, Purdue '94
H. S. White, Armour '97

Honorary Members

H. M. Raymond, *Dean of the Engineering Studios*
A. E. Phillips, *Professor of Civil Engineering*
G. F. Gebhardt, *Professor of Mechanical Engineering*
H. M. McCormack, *Professor of Chemical Engineering*
C. E. Paul, *Professor of Mechanics*

SENIORS

G. V. Bradbury
W. E. Erickson
E. A. Goodnow
H. W. Herbst
L. M. Holmes
D. R. Hyde
D. S. Jennings
G. H. Kelley
R. S. Kenrick
J. W. McCaffrey
T. Michels
P. J. Montague
E. B. Mueser
P. A. Rehnquist
E. C. Rieger
W. S. Trowbridge
E. M. Seaburg
G. D. Wetherbee
H. R. Wing

JUNIORS

E. J. Biever
P. J. Duerinck
J. V. Lizars
V. E. Lowden
M. C. Nutt
W. A. O'Brien
R. O. Wickel
L. L. Reihmer
B. L. Sites
J. W. Spensley



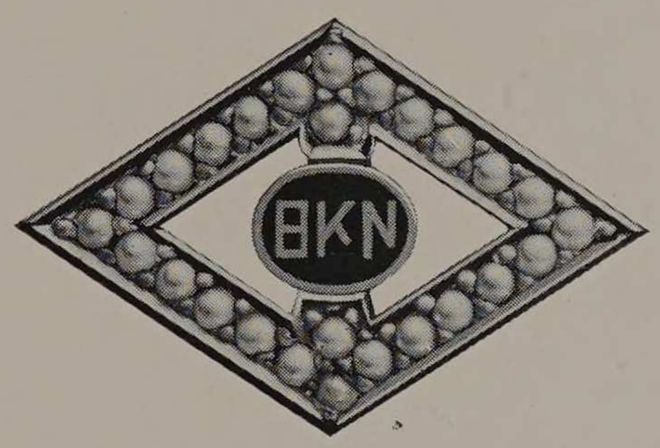
Erickson
Trowbridge
Mueser
Jennings
Kelley
Goodnow
Herbst
Kenrick
Montague
Seaberg
Jennings
Hyde
Bradbury
Wetherbee
Rehnquist
McCaffery
Rieger
Michels
Wing

TAU BETA PI

Founded at Lehigh University in 1885

CHAPTER ROLL

Lehigh University 1885 ..... Alpha of Pennsylvania
Michigan Agricultural College 1892 ..... Alpha of Michigan
Purdue University 1893 ..... Alpha of Indiana
Stevens Institute of Technology 1896 ..... Alpha of New Jersey
University of Illinois 1897 ..... Alpha of Illinois
University of Wisconsin 1898 ..... Alpha of Wisconsin
Case School of Applied Science 1900 ..... Alpha of Ohio
University of Kentucky 1901 ..... Alpha of Kentucky
Columbia University 1902 ..... Alpha of New York
University of Missouri 1904 ..... Alpha of Missouri
Michigan College of Mines 1904 ..... Beta of Michigan
Colorado School of Mines 1905 ..... Alpha of Colorado
University of Colorado 1905 ..... Beta of Colorado
Armour Institute of Technology 1906 ..... Beta of Illinois
Syracuse University 1906 ..... Beta of New York
University of Michigan 1906 ..... Gamma of Michigan
Missouri School of Mines 1906 ..... Beta of Missouri
University of California 1906 ..... Alpha of California
Iowa State College 1907 ..... Alpha of Iowa
Rensselaer Polytechnic Institute 1908 ..... Gamma of New York
University of Iowa 1909 ..... Beta of Iowa
University of Minnesota 1909 ..... Alpha of Minnesota
Cornell University 1910 ..... Delta of New York
Worcester Polytechnic Institute 1910 ..... Alpha of Massachusetts
University of Maine 1910 ..... Alpha of Maine
Pennsylvania State College 1912 ..... Beta of Pennsylvania
University of Washington 1912 ..... Alpha of Washington
University of Arkansas 1914 ..... Alpha of Arkansas
University of Kansas 1914 ..... Alpha of Kansas
University of Cincinnati 1915 ..... Beta of Ohio
Carnegie Institute of Technology 1916 ..... Gamma of Pennsylvania
University of Texas 1916 ..... Alpha of Texas


BKN

ETA KAPPA NU

Honorary Electrical

Delta Chapter

Chartered 1909

Thirteen Active Chapters

HONORARY MEMBERS

Ernest H. Freeman
J. E. Snow

FACULTY MEMBER

C. F. Stryker

SENIORS

G. H. Kelley	R. O. Miles	R. P. Burns
N. H. Erlandson	R. S. Kenrick	H. I. Hultgren
E. A. Goodnow	H. R. Wing	E. R. Ewin
F. G. Hochriem	E. B. Mueser	J. B. Thompson

JUNIORS

V. E. Lowden	W. A. O'Brien	J. W. Falconer
H. G. Love	P. J. J. Duerinck	M. B. Krebs
H. M. Piety	L. E. Grube	R. A. Temple



Hochriem
Love
Lowden
Goodnow
Burns
Piety
Kelley
Thompson
Wing
O'Brien
Erlandson
Miles
Kenrick
Mueser

FRATERNITIES




SCARAB

SCARAB

HONORARY ARCHITECTURAL

Founded at the University of Illinois, 1909

Temple Roll

Karnack ..... University of Illinois
Edfou ..... Armour Institute of Technology
Ipsim Boule ..... Washington University
Thebes ..... Pennsylvania State College

Edfou Temple

Chartered 1915

Honorary Member

Louis H. Sullivan

Faculty Members

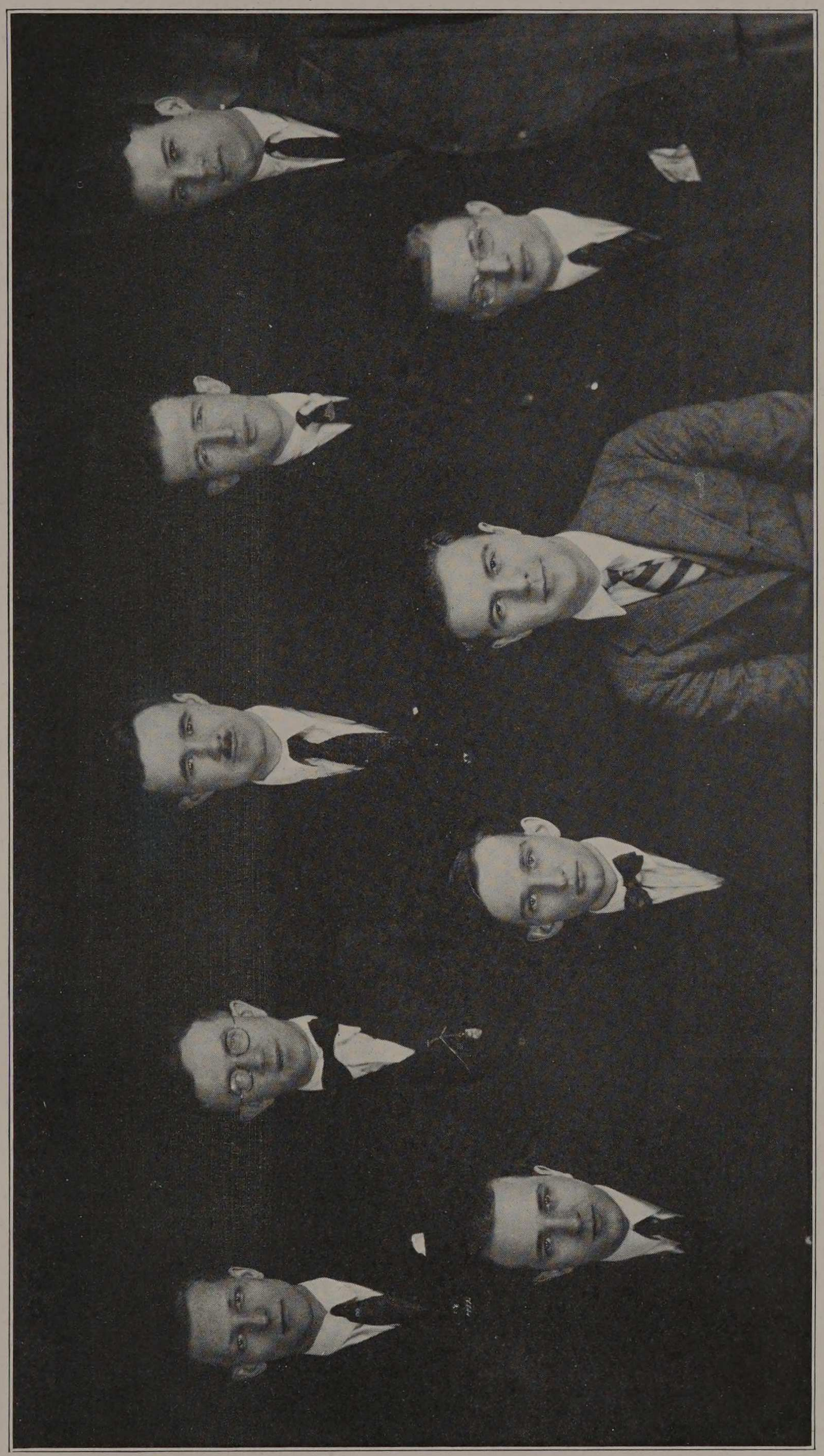
Earl H. Reed, Jr. William H. Lautz, Jr.
William F. McCaughey

SENIORS

Frank W. Cauley
W. L. Dalrymple
John J. Demuth
Wallace F. Yerkes
W. J. McCormack
Theo. H. Hofmeester
I. Jerry Loeble

JUNIORS

Elmer A. Johnson
Charles E. Pope, Jr.
Walter L. Suter
Fred E. Sloan



Suter Dalrymple McCormick Dempth Campbell Loebl Cauley Yerkes Sloan

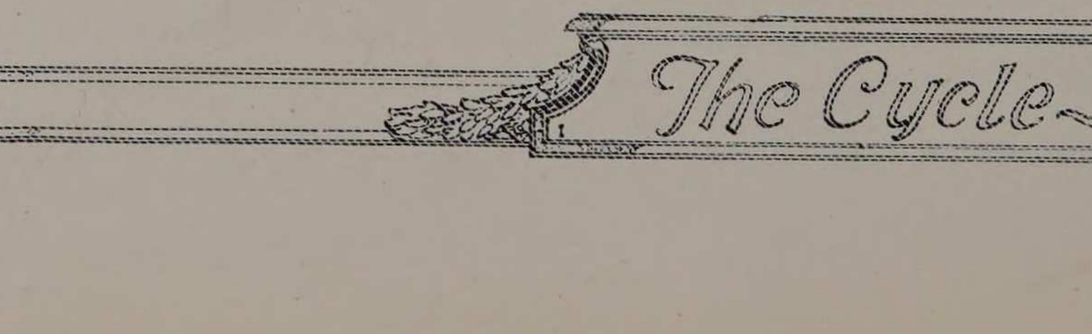
FRATERNITIES











PHI LAMBDA UPSILON

PHI LAMBDA UPSILON

Honorary Chemical

Omicron Chapter

Chartered May, 1920



Sixteen Active Chapters

FACULTY MEMBERS

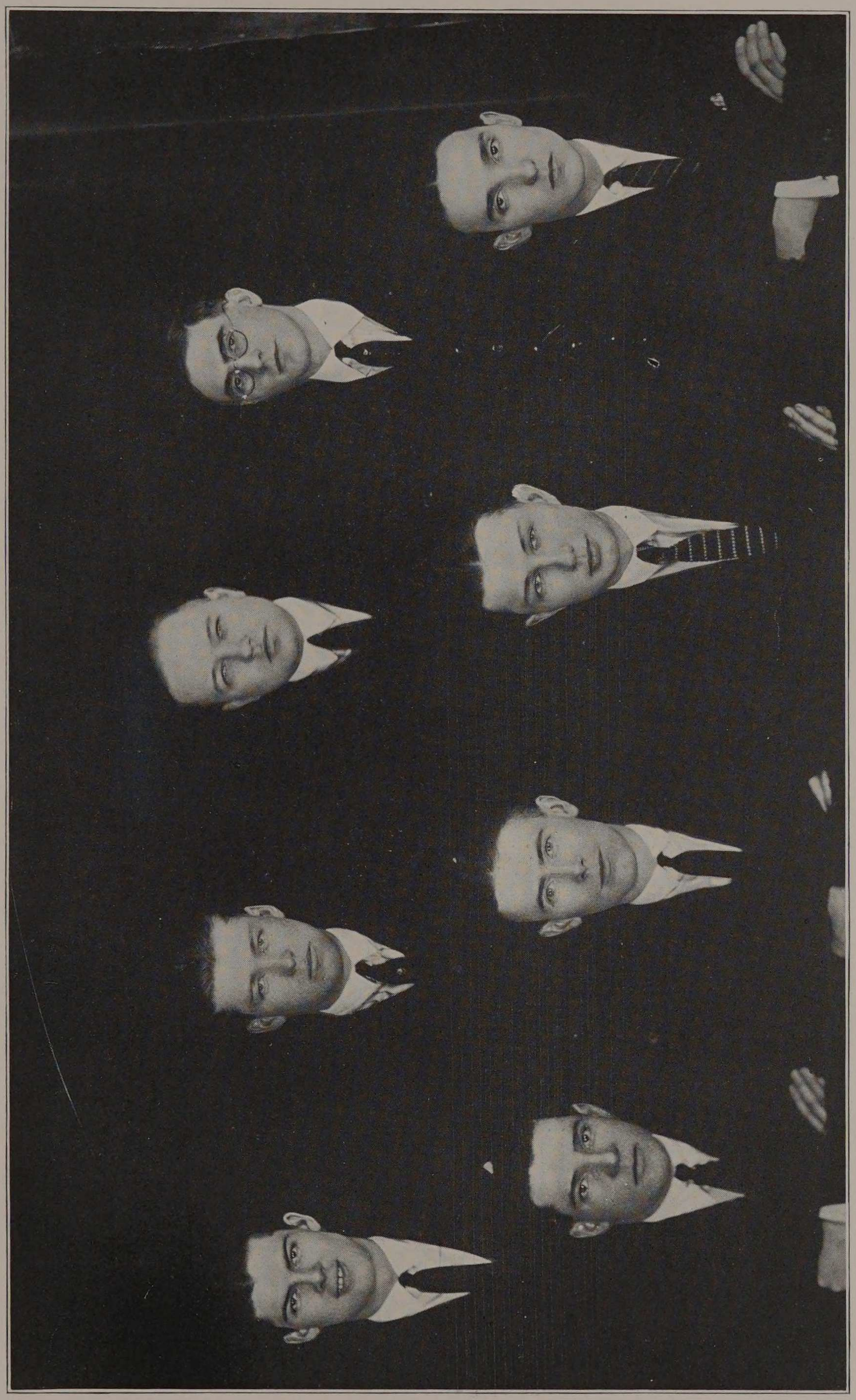
Harry McCormack
Charles A. Tibbals
Walter J. Bentley

SENIORS

A. A. Davis
E. F. Dhus
W. T. Gray
H. W. Herbst
J. W. McCaffrey
B. R. Rosenzweig
G. A. Gilbertson

JUNIORS

G. D. Crane
B. L. Sites
J. R. Wilson
J. W. Spensley
M. C. Nutt



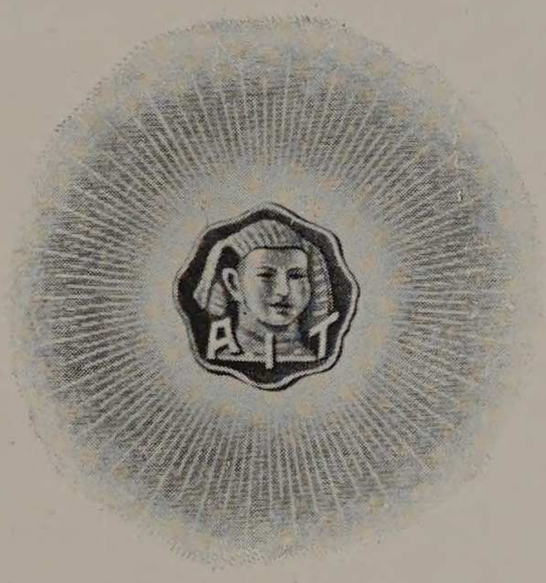
Dhus Sites Gray
Herbst
Gilbertson
McCaffrey
Davis
Rosenzweig

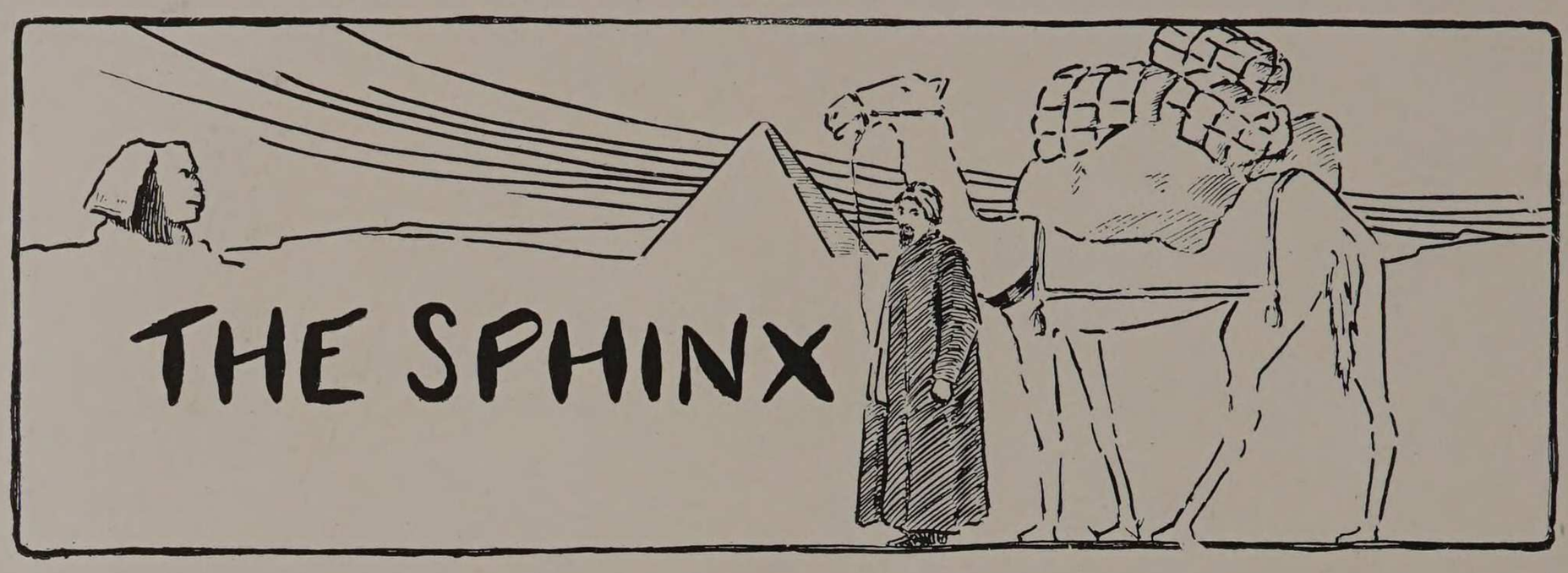
PHI LAMBDA UPSILON

Founded at University of Illinois, 1899

Chapter Roll

Alpha ..... University of Illinois 1899
Beta ..... University of Wisconsin 1906
Gamma ..... Columbia University 1909
Delta ..... University of Michigan 1909
Epsilon ..... University of Washington 1910
Zeta ..... University of Minnesota 1910
Eta ..... Ohio State University 1911
Theta ..... Iowa State College 1912
Iota ..... Stanford University 1912
Kappa ..... Denver University 1913
Mu Kappa Mu ..... University of California 1913
Mu ..... Pennsylvania State College 1914
Nu ..... Purdue University 1917
Xi ..... University of Pittsburgh 1917
Omicron ..... Armour Institute of Technology 1920
Pi ..... University of Texas 1921


A I T



OFFICERS:

J. Warren McCaffrey ..... *President*
Jeff Corydon ..... *Secretary and Treasurer*

FACULTY MEMBER

Louis C. Monin

SENIORS

W. Chapin
J. Corydon, Jr.
G. H. Kelley
J. W. McCaffrey
E. M. Seaberg
R. S. Kenrick

JUNIORS

E. H. Christensen
L. E. Grube
J. V. Lizars
M. C. Nutt



Christensen Seaberg Kelley Lizars Corydon McCaffrey Kenrick Nutt Grube Chapin

FRATERNITIES













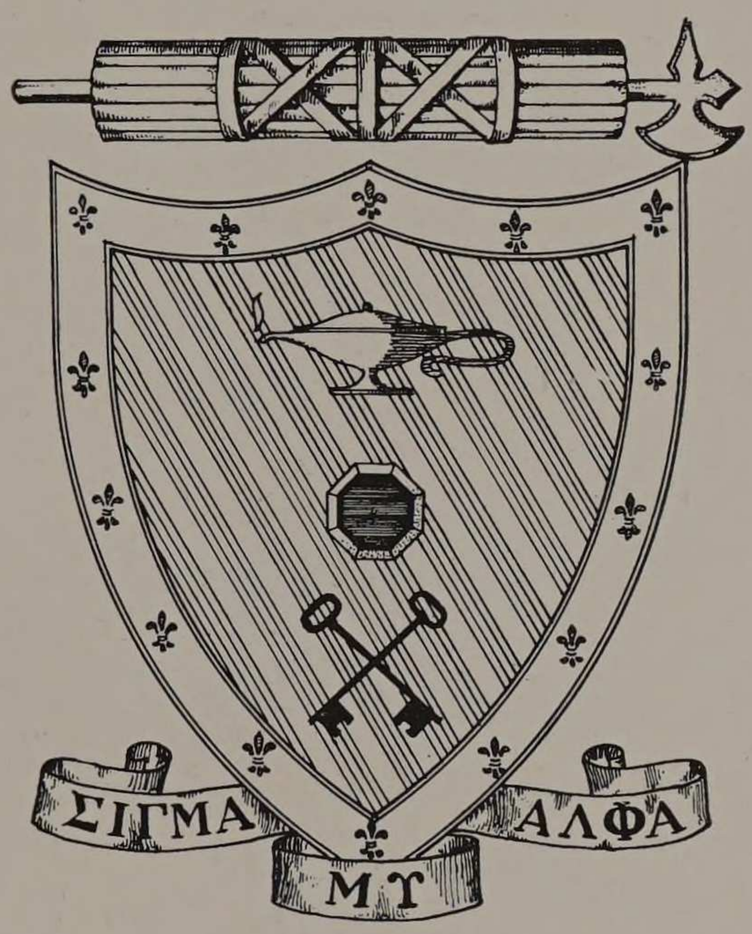











ΣΙΓΜΑ
ΑΛΦΑ
ΜΥ

SIGMA ALPHA MU

Sigma Epsilon Chapter

Chartered February, 1922

(Formerly *The Ohr*)

SENIORS

Alexander N. Grossman

JUNIORS

Jerome Goldstein
C. Paul Pelta
H. Thomas Pollan
Simon Rotberg
Philip D. Sang
Jacob Stangle

SOPHOMORES

Isadore Alexander
Robert Brandt
Maurice Druback
David L. Messer
Henry Popkin
Kalman Steiner
Alexander I. Newman
Paul Tilds
Paul R. Unger
Philip Witashkis

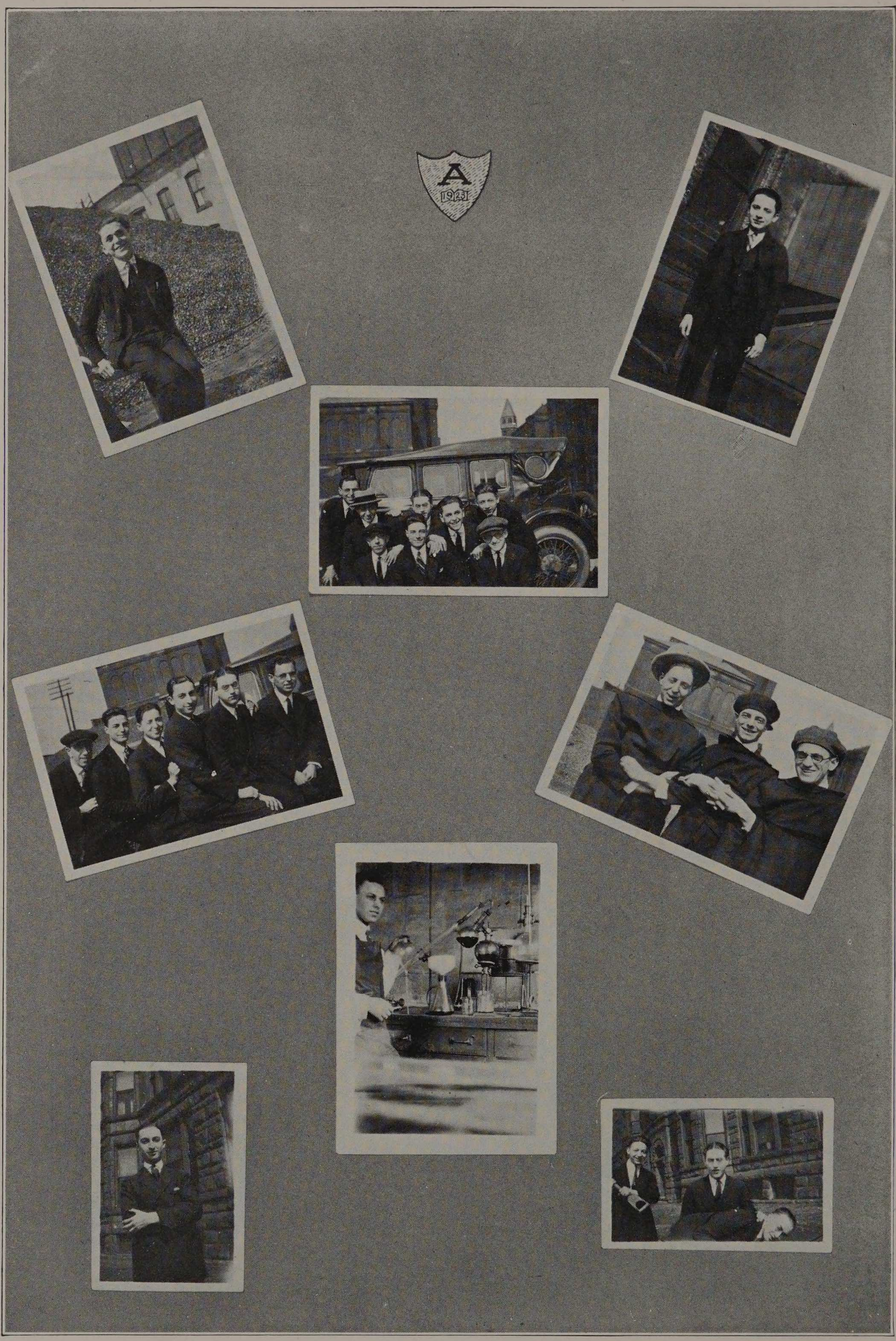
FRESHMEN

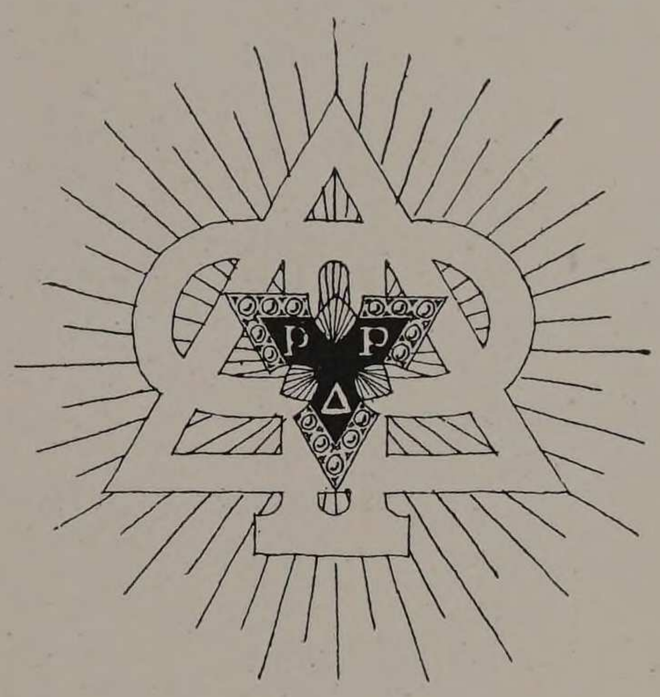
Herbert I. Spitzer



Witashkis
Tilds
Steiner
Rotberg
Drubach
Messer
Sang
Goldstein
Spitzer
Alexander
Brandt
Pollan
Stangle
Newman
Pelta

FRATERNITIES





RHO DELTA RHO

Organized February, 1920

SENIORS

E. Eisenstein
M. Sugarman
J. Bernstein
S. Isaacson
H. Gerstein

JUNIORS

S. Fabry
E. Walk
D. Goldberg
S. Delevitt
E. Skolnick
H. Brostoff

SOPHOMORES

J. Parker
L. Rosnick
W. Goodman

FRESHMEN

W. Benjamin
P. Jacobson



H. Gerstein H. Brostoff J. Bernstein M. Sugarman E. Walk S. Delevitt L. Rosnick
D. Goldberg S. Fabry S. Eisenstein E. Skolnick S. Isaacson
W. Goodman W. Benjamin P. Jacobson J. Parker

FRATERNITIES





















THE HONOR "A" SOCIETY

J. J. SCHOMMER, Honorary Member

G. A. GILBERTSON ..... *President*
D. E. RUTISHAUSER ..... *Vice-President*
W. A. O'BRIEN ..... *Secretary*
G. N. SCHUMACHER ..... *Treasurer*

The Honor "A" Society was formed in the spring of 1904 by the active athletes then at the Institute. The fundamental reason for the foundation of the society was the promotion of the athletic interests of the Armour Institute of Technology. The society also serves as a working unit for all "A" men in the discussion of athletic questions, and preserves all records of the athletic teams. Any student who has won a letter in any of the three major sports—basketball, baseball, or track—is eligible to membership.

The society held its annual banquet at the University Club, December 2, 1921. This was the first banquet given by the society since the beginning of the War. Messrs. Schommer, Huntley, and Kraft of the faculty, together with a number of "A" men, both alumni and students, were present at this reunion banquet. After the "inner man" had been satisfied, Mr. Schommer gave a very interesting talk on the athletic possibilities at Armour.

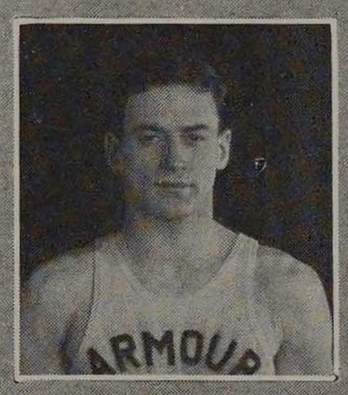
Shortly before the opening of the basketball season, complimentary annual athletic tickets and schedules were sent to all "A" men, both students and alumni. This idea was suggested last year, and has been carried out with great success. It was also suggested last year that each "A" man be presented with a certificate of his membership containing his athletic record while in the Armour Institute of Technology. A sample of this certificate was presented and passed by the members at one of the regular meetings of the society. These certificates have been sent to all "A" men.



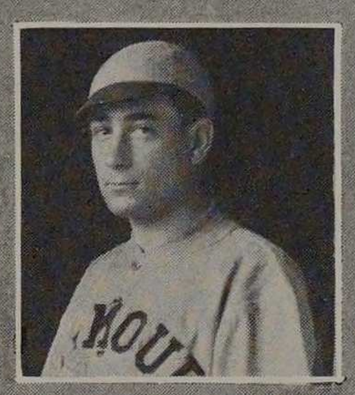
GILBERTSON, PRES.



O'BRIEN SEC'Y.



RUTISHAUSER V. PRES.



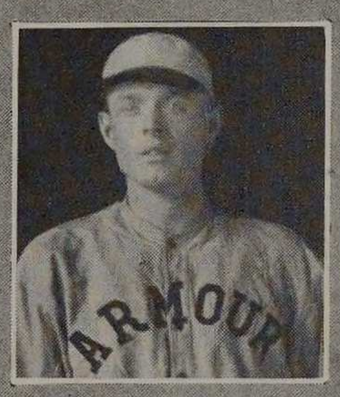
SCHUMACHER TREAS.



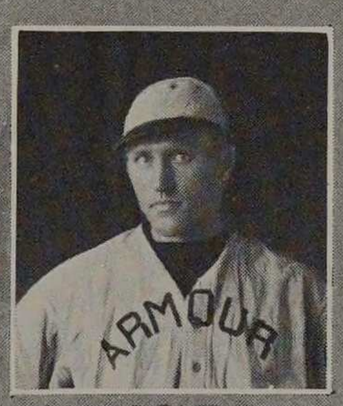
SCHOMMER



DESMOND



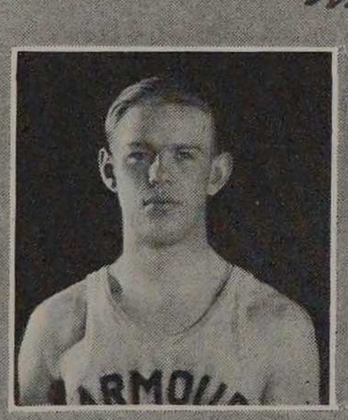
WALSH



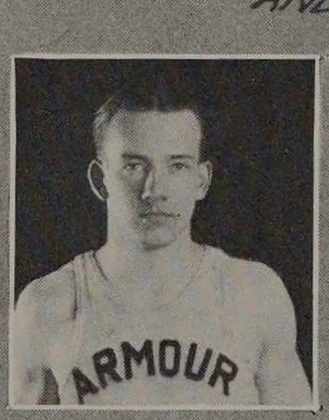
ANDRZEKZYK



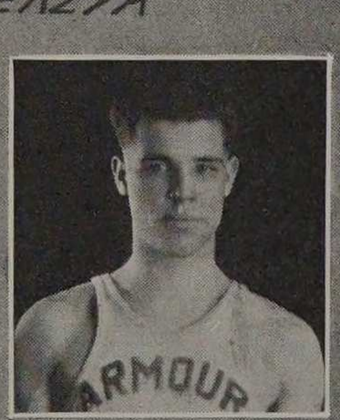
MAY



JOHNSON



SPAID



McLAREN

SCROLL AND TRIANGLE

CLASS OF 1922

J. W. McCaffrey

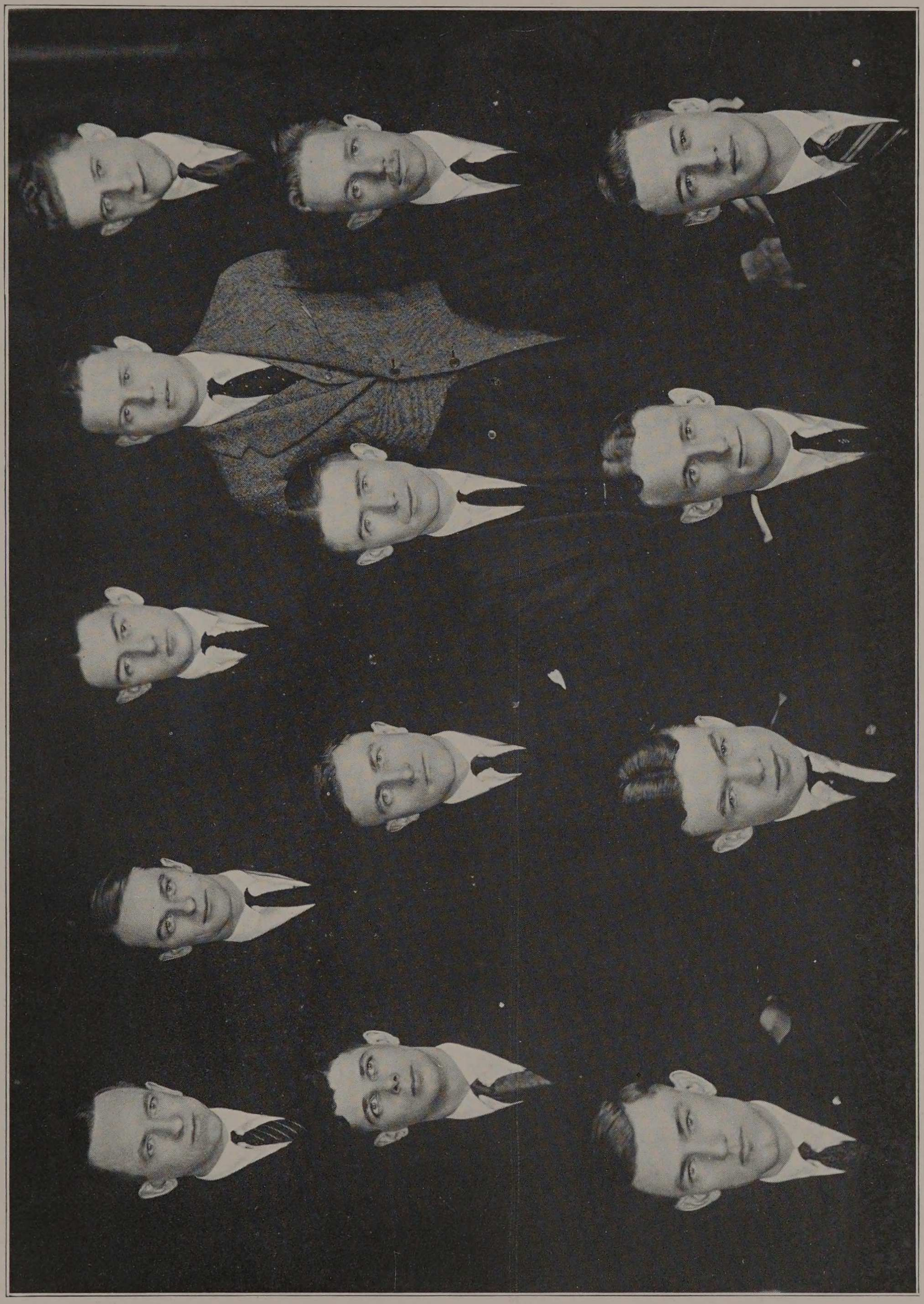
B. F. Morrison

CLASS OF 1923

C. W. Carlson
G. D. Crane
E. F. De Bra
G. Goedhart
F. C. Klemp

R. S. Mayo
T. J. McHugh
H. W. Munday
L. T. Smith
R. H. Walworth

J. C. Williams



McHugh Walworth De Bruin Bro
Smith McCaffrey Morrison Crane
Goedhart Mayo Munday
Klemp Carlson Williams

THE PYRAMID

CLASS OF 1922

H. A. Auerbach
E. Herskovitz
S. C. Levi

CLASS OF 1923

E. Beilin
Bernard M. Garland
Benjamin M. Garland
P. Isenberg
T. J. Kauders
M. Salzman
D. M. Mercer

CLASS OF 1924

L. B. Hamersley

CLASS OF 1925

N. B. Schreiber



Salzman
Auerbach
Schreiber

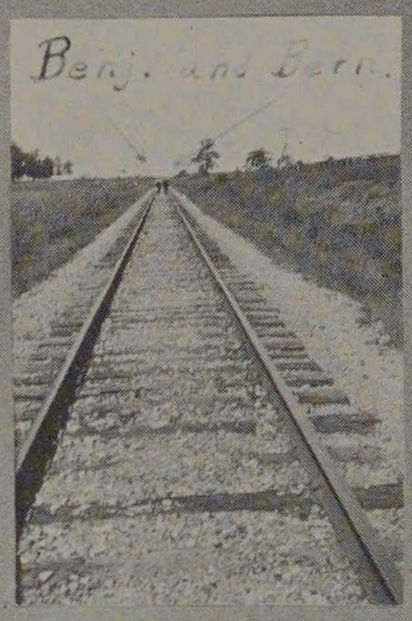
Hamersley
Kauderer
Meyer

Isenberg
Garland
Levi

Garland
Herskovitz
Beilin




"Hank"


Benj. and Bert.


A
1923






Helping
the cop
keep tab



ARMOUR TECH ATHLETIC ASSOCIATION

The need of a unified Armour spirit was felt by the members of the present Junior class, as a result of which, Harold Munday was given the authority to take whatever steps were necessary to organize this spirit. It was readily seen that an athletic association was the best means towards this end. Mr. Munday's original committee of Juniors was then expanded to include two representatives from each of the other three classes.

The constitution of the association was soon drawn up. The officers provided are a President, a Secretary, and a Treasurer. All officers, except the Treasurer, who will be the Comptroller of the Institute, will be students. The term of office is to be one year. The management of the association is vested in the officers and in the advisory council. Students, alumni and faculty are to be members of the association.

During the organization of the association the committee undertook many of the duties of such an organization. A committee was appointed to take charge of a song and cheer contest which is to furnish the school with songs and cheers. A publicity committee was appointed to obtain more recognition of the Institute by the press. A resolution favoring an activity fee was presented to the classes at their respective meetings. Visiting teams were received and entertained. Many other things are being considered by the committee which will give the association a firm foundation and something to build and enlarge upon.

GUN AND BLADE CLUB

Organized March, 1922

OFFICERS

G. D. Crane ..... *President*
A. P. Unger ..... *Vice-President*
C. T. Ayres ..... *Secretary-Treasurer*
C. C. Blume ..... *Sergeant-at-arms*

The Federal Board for vocational education was formed by the United States government to supervise and direct the rehabilitation of the disabled veterans of the World War. The trainees, as these students are termed, are divided into two classes: one class being those men who received more than ten per cent disability from injuries incurred in the line of duty, and are now receiving their tuition, supplies, and a fair maintenance allowance; the other class being those men who did not receive ten per cent disability and are now receiving tuition and disability compensation.

On March 13, 1922, these students formed an organization known as the Gun and Blade Club, for the purpose of closer relationship between each other and their school activities.

The club meets each month for its regular business meeting under the supervision of the National Federal Board Gun and Blade Club.

An interesting year is planned and many social events are to take place.

OTHER MEMBERS OF THE CLUB ARE:

S. L. Chaney
A. E. Johnson
H. S. Myers
L. Schulman
C. G. Stockholm
A. E. Frederick
W. Lintelmann
A. Rich
M. C. Schuize
H. F. Webb
S. R. Willey



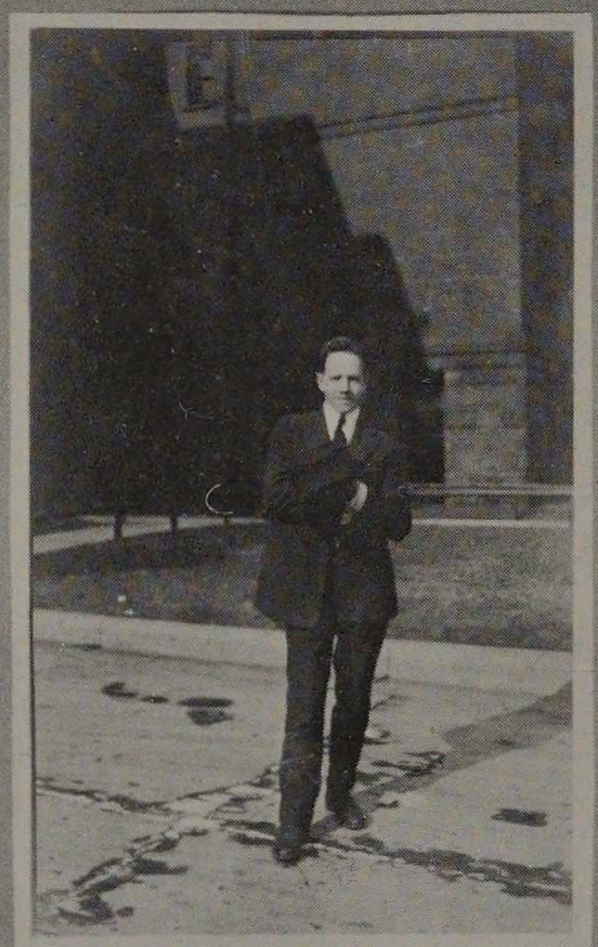
Johnson Linthelmann Chaney Webb
Richie Harter Unger Crane
Schulze Frederick Myers Schulman
Ayers

SOCIETIES












HUMOR
Al
Hugo
Bacci

BISSELL and ROWE

Dealers in KLASSY KARS

We have fours, sixes, eights and twelves—step up, neighbor: Read'em and weep.

Into each life some drain must fall. Correct! Do your motor shopping now. Don't plan on a car a year from now—your plan may be wrecked by then. Buy now! Don't let a single day pass you. Spring is the season for bock beer and auto-intoxication. We furnish the dotted lines for the following makes of cars:

THE GOOF 6 7-8

Four models—Open, Closed, Bid and Asked. Soft pine upholstering. Capacity, seven passengers and one traffic cop. The ultimate ineconomy. One-piece engine, stripped gears. All the latest popular accesories—waste basket, mail box, garbage pail, front and rear doorbells, cuspidor and ash can. Travel in this car and you think you're at home. Price $1000 down, 50 cents a week as long as it lasts. If you have ever owned a Goof you will never own another. Ask the man that owned one.

THE RANDOM RATTLER

"The car that made the dollar famous. The car of E's—economy, epithets and engine trouble. Designed by L. Reihmer and D. S. Jennings, originators of the platinum nutmeg grater, the Eiffel Tower and the non-combustible cork-screw. The Rattler is the first car to recognize the one-day-off-in-five principle. It runs and stops without regard to weather, signals or picket fences. Statistics demonstrate that the cost per mile of this car is $00.000001975, exclusive of gas, salt and pepper. Agents in every city, town and R. F. D. community. Look for the red front. We do not employ house-to-house canvassers. Any agent who knocks at your door and shows you a sample of the Rattler is a fraud.

The sparkling 1922 Rattler model has improvements and refinements too numerous to scoff at. It has front and rear anchors, fog detector, back spacer, thermometer, fire escapes and perfect tonal quality. Also seven cylinders—count 'em. If one is loafing, try the other. Colors—serise, mahogany, battleship gray, taupe, lavender, mud, henna and the natural color of tin. Wheel base —110 inches open; 24 inches shut. Neat canvas case for the Rattler in case you want to take it when traveling by rail.

Look for the trade-mark. None genuine without Mr. Reihmer's or Mr. Jenning's signature on the original package. Price, $98, f. o. b. Joplin. By mail, 4 cents extra. (Delivered in plain package if desired.)

THE HOKUS 12

The car you will ultimately mortgage your home for. Ride in a Hokus and enjoy its luxury in every bounce. Upholstered in patent leather or morocco. Gold plated crank; eiderdown bumpers; engraved license plates; cutglass windshield; French horn in G minor. Limousine model contains extra room and bath for chauffeur. Chummy roadster for small dinner parties up to thirty. Engine designed by Herbst; chord tires turned by Victor Herbert. Cooled by cracked ice and seltzer. Speed, 45 counties per hour. No rain checks; no transfers. Six miles per gallon of perfumed gasoline.

Special features—radio equipment; wireless wheels; collapsible barber's chair. Price $18,000, with tubes and tires pumped up.

THE COMPACT FIVE

The car that saved the junk business. Our ninth year of continued success. One car a minute from our model factories and still the demand keeps up. Five models for 1922—Sport, Home, Extra, Closing Stocks, and Final. Features no other cars have the nerve to boast of—folding doors, asbestos curtains, porous-knit gas tank, and stop-over privileges in any town. Extra set of skyrocket distress signals with every order. Our dealers are in practically every town; many in Canada.

BUY A CAR NOW! **DON'T BE A WAITER; BE A BUS BOY**

1922 *Solution on How to Guess Minerals (1st installment)*

1. Roll dice to get hardness number.
2. Pick our color of streak from hat.
3. Spit Honest Scrap on specimen or take in room "D"—Evolution of Gas; Carbonate.

Prof. Freud: "This is the methane, ethane, propane series. Where does the series end?"

Voice: "Insane."

Prof. Libby: "Here is the dead center of this engine. Gone but not forgotten."

Prof.: "Miles, will you give the first example of the electric light?"

Miles: "Yes sir; Noah's arc."

Georgevitch: "Are you the young lady who took my order?"

Waitress: "Yes, sir."

G.: "You're still looking well. How are your grandchildren?"

Ex: "Why the sad look?"

Wye: "I have just enrolled in a correspondence school as a Frosh, and now I get a letter from the Sophs telling me to haze myself."

AH, YES—NUT SEASON

The frost is on the pumpkin,
The corn is on the cob;
The bath is in the bathtub,
The door is on the knob.

The Father: "How is it, sir, that I find you kissing my daughter? How is it, sir?"

Herman: "Great! Great!"

Reimann: "Didn't you swallow some water when you swore?"

Marks: "Nope, the dams kept it out."

McCaffrey: "How did you manage to get by your exams?"

Kelly: "Honor system."

Chaperone at Columbia: "Young man, the lights of this house go out at ten o'clock."

Jack Vaaler: "Oh, that suits me; don't delay on my account."

She: "I'll marry you on one condition."

Wheeler: "That's all right; I entered college on four."

Bradbury: "Set the clock for two, will you?"

Rowe: "You. and who else?"

C. A. Herbst: "Sneagle."

H. W. Herbst: "Snoteagle, snowl."

C. A. H.: "Sneither, snostrich."

Spaid: "Hey, Sandy, it's ten to eight."

Sandy (sleepily): "Wait till the odds get better. Then place it all."

Bursik: "How did you know Broad and Reihmer were following you?"

May: "Because they kept looking around to see if I was coming."

Peat: "Where are you going in such a hurry?"

Repeat: "The Sophomores at the correspondence school are having a celebration and they're sending the bonfires out by parcel-post, so I'm going to the post office to get mine."

Big—What is a polygon?

Ben—A dead parrot.

Prof. Clifford: "Now, we'll drop this for a few moments and take it up again in a couple of weeks."

"ENGLISH AS IS SPOKE"

Tramp: "Youse colletch guys make me sick. Wot's de use lernin' a lot about Latin 'n Greek! Gimme de plain English language 'n I'll take no hind seat for none of youse blokes."



Prof. Cooper (surveying Freshman class): "My, what wonderful material for a vacuum cleaning plant!"

Just to prove how interested the boys are in their profession, here are a few answers to the question:

"What is the effect of turning down the parlor light on Sunday night?"

F. P.—It increases the danger of fire due to reddened cheeks.

Civil—It causes greater compressive stress in the bridge of the nose.

Ch. E.—It causes a precipitation of white powder, which is generally collected on the shoulder.

M. E.—It causes an increased flow of super-heated steam which is allowed to exhaust into the atmosphere as noiselessly as possible.

E. E.—It increases the excitation, consequently causing a greater fluctuation in heart frequency.

Freshman: "How is hash made?"

Senior: "It isn't made; it accumulates."

Herbst and Dhus have produced an electric furnace for making smoke 150 per cent efficient.

Senior Chemical: "Hydrochloric acid is a constituent of gastric juice."

Freshman: "So that's why some people eat snails."



Swenson: "Oh, why do I have to get up in the morning as long as I've strength enough to sleep?"

Jas.: "That lecture in assembly this morning helped me wonderfully."

Jno.: "Get away, you weren't even there."

Jas.: "I know, but it let me out of an exam in Math."

Soph 1—Do you still go to see that little brunette you went with last winter?

Soph 2—She's married now.

Soph 1—*Answer me!*

MONEY TALKS

"What's that noise in the back room?"

"Oh, somebody just broke a dollar bill."

"Striking girl, isn't she?"

"Yes, a wonderful match."



Rowe: "I answered an ad in the paper calling for a tall, handsome young man."

Bissel: "Did you get the job?"

Rowe: "No, I wasn't tall enough."

Temperance Lecturer—If I lead a donkey up to a pail of water and a pail of beer, which will he choose to drink?

Soak—The water.

T. L.—Yes, and why?

Soak—Because he's an ass.

—*Chaparral.*

We call our baby Infinity.

How come?

He's the limit. —*Froth.*

Juliet—What's in a name?

Romeo—Well, if you take mine you might get a good home out of it.

—*Gaboon.*

"What do you know about Czecho-Slavokia?"

"It's hard to say." —*Froth.*

Arthur: "Most people are not what they used to be."

John: "How's that?"

Arthur: "Children."

—*Awgwan.*

Bradbury: "Say, you want to keep your eyes wide open tomorrow."

Herman: "Why, what's going to happen?"

Bradbury: "Oh, nothing, but people will think you're crazy if you go around with your eyes shut."

Wife: "Drunk again, Harry! You have broken the promise you made me!"

Hubby: "Hic, n'ver mind, dear, 'sall ri'. I'll, hic—make you another one."

THE SECRET OF SUCCESS

"What is the secret of Success?" asked the Sphinx.

"Push," said the button.

"Take pains," said the window.

"Never be led," said the pencil.

"Be up to date," said the calendar.

"Always keep cool," said the ice.

"Never lose your head," said the barrel.

"Do a driving business," said the hammer.

"Make light of everything," said the fire.

"Find a good thing and stick to it," said the glue.

Son—Father, what is a chemise?

Father—A chemise, my son, is a lady chemist.

The head of a certain laboratory advertised in the want columns of a daily paper for a young lady to assist in the lab. work. Many applications were received. One was signed: "Ann Eliza Sample." She got the job.

Small waif, being conducted through the park by one of the child-welfare committee: "Gee, listen to de boid."

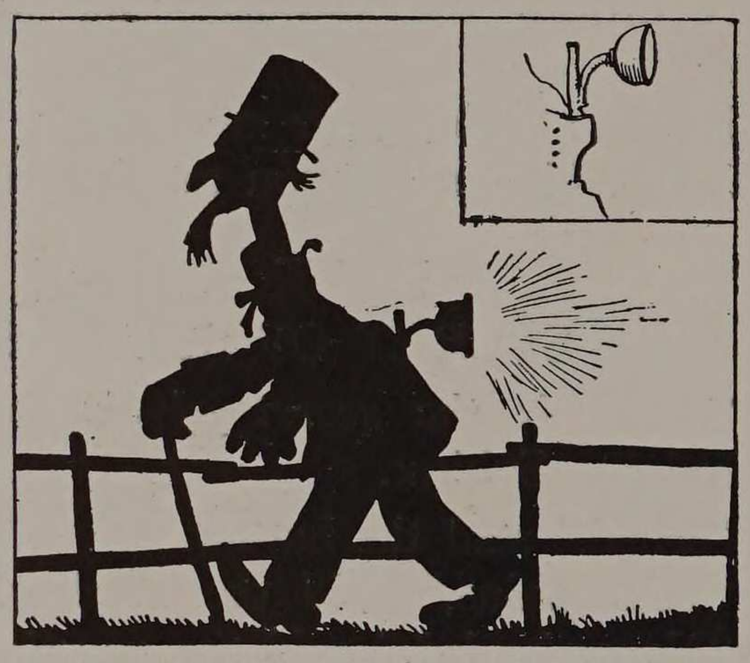
The lady: "That isn't a 'boid,' it is a 'bird'."

Waif: "Well, he sings like a boid."

Wifey—Did you dream of cannibals light night?

Hubby—Of course not; why do you ask?

Wifey—You talked in your sleep and I heard you say "That's my auntie in the pot."



REAR LIGHT FOR WALKING ON DARK ROADS

When Coming Home Late From a Poker Party, Imprison a Lightning Bug in the Lamp, and You Will Not Have to Worry About Your Trousers Being Ruined by a Passing Automobile

---

STRANGE

Absent-minded Prof.: "Didn't you have a brother in this course last year?"

Student: "No, sir; it was I—I'm repeating the course."

A. M. P.: "Extraordinary resemblance, positively extraordinary!"

Employer (to Armour Graduate): "A lot of college graduates are fools—I am one myself—I mean a college graduate."

Hugo: "Why is it that musical comedies are not so popular nowadays?"

Hout: "Styles have changed."

ANOTHER KICKER

Marion: "George was the goal of my ambitions, but—"

Marian: "But what?"

Marion: "Father kicked the goal."

First Mosquito: "Hooray! Here comes a new arrival."

Second Mosquito: "Good! Let's stick him for the drinks."

"Waiter, bring me a jug of football cider."

"Whadaya mean, football cider?"

"Never kicks on the first down."

The other day Herman and Lipsky (Senior Mech.) were nodding wisely at each other and then looking pityingly at the rest of the class. When asked the "Why for" they explained that they had just read Thomas Edison's statement that only two men in a hundred are intelligent.

JUICY FRUIT

Wheeler: "Had a date last night."

Seaberg: "Peach?"

Wheeler: "No, lemon."

Seaberg: "You poor prune, I told you you'd pick a pineapple."

Wheeler: "All the nuts gave me the raspberries."

LUCKY TO GET THAT

Sin: "Edison never sleeps more than four hours a night."

Cosin: "Must live next door to a fraternity house."

"Pa, what is alimony?"

"Alimony, my boy, is the expense account of a darn fool."

'23—That girl's like tissue paper!

'23—How's that?

'23—Tearable!

Frat—Why did the labor boss fire you from that job?

Pin—Well, you know a labor boss is one who stands around and watches his gang work.

Frat—Yes! Yes! What's that got to do with it?

Pin—Well, he got jealous of me. People thought I was the boss.

Any Co-ed—Something in my heart tells me that you are going to ask me to your next dance.

Stude—My dear girl, you must have heart trouble.

And the Lecture Closed at Twelve

Prof. Carpenter (to Morgan whom he has caught whispering in course of lecture): "If you have anything important to say perhaps the whole class would like to hear it."

Morgan: "I know they would; it's five minutes to twelve."

"Do you know," said the successful merchant, pompously, "that I began life as a barefoot boy?"

"Well," said the clerk, "I wasn't born with shoes on either."—*Awgwan.*

"Pardon me, sir, but are you a physician?"

"No, but I know where you can get it!" —*Widow.*

Spats: "Do you get a kick outa going up to your dame's house?"

Slats: "Yea—bo! her old man used to be a football punter!"

A pretty young girlie named Tillie,
Had a beau about whom she was sillie,
A proposal she wanted
So that's why she taunted,
"When Willie, when Willie, when Will-he?"

Applicant: "William's my name—looking for work—star punter of last year's team at Harvale."

Manager: "Go to the Complaint Department and handle the kicks."

Many a man with a good line has discovered that what he needs is a whole paragraph.

"John, John, get up at once. I left the electric toaster running."

"That's all right, dear, it can't get out. The door's locked."



HEARD ON THE CAMPUS

"What's the latest news, Larry?"

"I'm not reading the news; Ah's looking for a job."

"But dat's the female column."

"Well, ain't ma wife a female?"

Geology Prof—Please give us the name of the largest diamond.

Stude (the morning after the night before)—The ace, doctor.—*Tar Baby.*

Cyrus Drake—"My dear fellow, it is so dry in this town that we have fish here, fish, mind you, four years old, that have never learned to swim!"

—*Siren.*

THE COLLEGE BOY

(As the Movies and Popular Fiction Writers Would Have Him)

The college boy is usually awakened in the morning by having his roommate Dick Hartford jump up and down on his bed. Dick is the personification of pep. "Hit the maple, old horse," the witty Dick says. "All right now, four rahs for Alma Mater. After rahing four times they are both ready for their shower.

The shower is a continuous laughing scrap, between the two happy (?) lads. Then college togs are donned. White trousers, oxfords, loud sox, sport shirts, and red neckties. Fully dressed, with rakish hats on their heads, and books under their arms, the boys lock-step from their room singing "Solomon Levi."

Nothing is ever said in popular literature about a college boy studying. Somewhere in the vast interim between his athletic events, devilish pranks, and fussing he is supposed to study but it doesn't get much space in print or many feet of film. So we shall pass over this odious part of the day.

On the campus the boys meet the Tennessee Trout devil-may-care, happy-go-lucky, college boy, dear to the heart of the fiction writer.

"Say, fellows," the genial Tennessee proposes, "what do you say to a wild party tonight?"

Agreed. Where? When?"

"Tonight—Seven-thirty—Tony's Doughnut Foundry."

Seven-thirty finds the three restless youths assembled at Tony's doughtnut emporium. With savage joy they each wash down a dozen doughnuts. Abandoning all restraint, they leave the place in a hurricane of mirth, after each has thrown his plate at the picture of three wild horses in the rear of the room. Feeling the need of more stimulation, they turn down an alley, knock three times at the sixth door on the right and exchange legal tender for White Mule.

Their money gone, they decide to go to a movie. By drawing straws, Dick is decided the goat. So the other two file into the show and leave him to explain to the ticket taker where the tickets are. Dick, with alcoholic bravery, tells him that Tennessee had the tickets, pushes the offending matron aside and enters the theater.

Finding a small boy in the seat he wishes to occupy, he grabs him by the seat of the trousers and nape of the neck and deposits him in the orchestra-pit. Loud applause from the other collegians present. Then pipes are lit, and comments on the film are freely made in loud voices.

When the hero appears on the screen on a white horse, Tennessee starts singing, "The Old Gray Mare Went," etc., etc., to the uproarious delight of the townspeople present. The show over, the young bloods, still having energy to burn, roam the streets singing college songs, and find their beds early in the morning.

* * * * * * *

Verily it is a gay life. Would that the authors had to live it as they write it.

Juggs—Don't you think Jones a fool for committing suicide?

Muggs—Yes, it's about the last thing I'd ever do.

—Brown Jug.

Love and porous plaster, son,
Are very much alike;
It's simple getting into one,
But getting out—Good-night.

—Punch Bowl.

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"Good day, ma'am, I am a cast off clothing dealer."

Prof.'s Wife—"Good, have you anything to fit my husband?"



Freshman (after receiving a flunk notice)—"Hooray, I just got a ticket to a grave-digger's dance."

Bissell—"And you say you were the first one to tell that joke?"

Chapin—"I sure do."

Bissell—"You don't look your age."

TWO THINGS COME TO HIM WHO WAITS — OLD AGE AND THE UNDERTAKER.
GET BUSY NOW!

What color is mercuric sulphide?"

Gilbertson: "Dark black."

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Sloan: "I hear some of these profs. lead a fast life."

Wheeler: "I doubt it; none of 'em passed me this year."

"Husband," said the professor's wife suspiciously.

"Yes, my dear?"

"Who is this Violet Ray you are always talking about?"

Heard in the Senior Elect. Class:

Prof. Clifford: "Bursik, what is the means by which electricity is conducted?"

Bursik (sleepily): "Why—er—"

Prof. Clifford: "Correct. Now what is the unit of power in electricity?"

Bursik: "The what?"

Prof. Clifford: "Very good."

Farmer: "See here. young feller, what are you doing up in that tree?"

Mason: "One of your pears fell down and I'm putting it back."

Maggie: "The garbage man is here, Sor."

Prof. (from deep thought): "My! My! Tell him we don't want any."

Prof. Miser (to Algebrat): "Did you get that 42 problem correct?"

Algebrat: "Yes, sir, better than that; I'm $666 to the good."

Prof. Clarr: "What is an apostrophe?"

Frosh: "It's a comma stuck up in the air."

First Frosh: "What course do you expect to graduate in?"

Second Frosh: "In the course of time."

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Bradbury: "I hope this rain keeps up."

Walker: "Why?"

Bradbury: "Well, then it won't come down."

Wetherbee: "I could live on limburger cheese alone."

Corrydon: "You'd have to."

Prof. Cooper: "Do you know Poe's Raven?"

Frosh: "No, what's the matter with him?"

Prof: "When you examine a dog's lungs, what do you find?"

Student: "The seat of his pants, I suppose."



Sir Launcelot and Elaine Attending an Armour Dance.

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The LaSalle Problem Method

—and how it successfully condenses a lifetime of experience into a few months of study

It comes as a jolt to many college men to discover that the knowledge they have acquired during their four years' course is not recognized in the business world as an "open sesame" to a high-salaried position.

They see about them thousands of young men who have never been to college already commanding substantial salaries. They rightly feel that they possess a tremendous advantage over these men, yet in trying to *cash* it they find this advantage discounted at every turn.

Here, then, is a problem every college man who enters business must squarely face—"How can I acquire in the shortest possible time the greatest amount of *practical experience*?"

With more than 325,000 men—thousands of them college graduates—rapidly winning their way to bigger and better things as a result of home-study training under the LaSalle Problem Method, a way is suggested that deserves the keen analysis of every college man in business.

The value of this method lies in the fact that it imparts not theoretical knowledge—impractical, unmarketable—but real, practical, usable *experience*.

Suppose you decided to acquire, as a foundation for your business career, a thoro knowledge of—accountancy, say.

Now stretch your imagination a trifle. Suppose that thru the offices of an influential friend, arrangements were made for you to step in and immediately occupy the position you intended training to fill—right in the organization of a big corporation—with a complete department under your orders.

Say that by your side were placed, as your instructors and guides, several high grade accountants—men of national reputation—their sole duty being to train and equip you.

With these men instructing you in proper principles—then, you yourself exercising your own judgment in handling transactions and solving problems as they arose in your daily work—do you get the idea? You would be acquiring *experience* right along with the bed-rock fundamentals of the profession.

Sitting in the chair of authority—dealing with actual business—learning by applying what you learned—with experts correcting your errors, commending good work, guiding you aright through all the ramifications, routine and emergency situations of the entire accounting field and making you make good every step of the way—mind—not in a class-room, but right in a business office where you would be actually doing the work you were training for—

—wouldn't you, at the end of a year or so in *this* situation be much farther ahead than men who had spent years seeking the same knowledge in the old, hard, "find-out-for-yourself" way?



The LaSalle Problem Method gives you self-confidence—practical, usable knowledge—because it makes you an experienced man.

You can answer these questions—your good sense tells you that the situation described would make you a practical man—sure, certain and confident—able and capable of holding down any situation the accounting field offered.

And that is why the LaSalle Problem Method makes practical men. Simply because the procedure outlined above is followed—exactly.

True, you do your work at home. True, the experts who help you are located here in Chicago.

Nevertheless, under the LaSalle Problem Method you are actually occupying the position you are training to fill, whether it be in the accountancy field, or traffic, or business management, or law, or correspondence—irrespective of what you are studying you are acquiring principles and applying them in actual business under the watchful eyes and helpful guidance of men big in your chosen field.

And when you have completed your LaSalle work, you can truthfully say that you are not only a thoroly trained man, but an *experienced* man—you know the bed-rock principles and you have *used* them all—they are familiar tools in your hands.

A LaSalle man can walk in anywhere with confidence. He does not feel the uncertainty and fear that arise when one faces the new and unknown. Under the Problem Method he has explored his chosen field on his own feet—the questions, the problems, the difficulties—he has met, faced and conquered them all.

His experience makes him know that altho he may be assuming a new position at higher pay, the duties of that position are an old, familiar story.

Experience is cash capital in business.

There are only two ways to get it.

One is the old, slow, uncertain way. The man who chooses to learn a branch of business by picking it up bit by bit as he goes along, finds the years slip by faster than he thought and sometimes his progress not as sure as he had anticipated. For all the "bits of knowledge" he sought may not have come his way.

The other road is short, sure and certain. It lies thru the Problem Method, distinctive with LaSalle Extension University. This way condenses into months experience which it takes most men a lifetime to gain.

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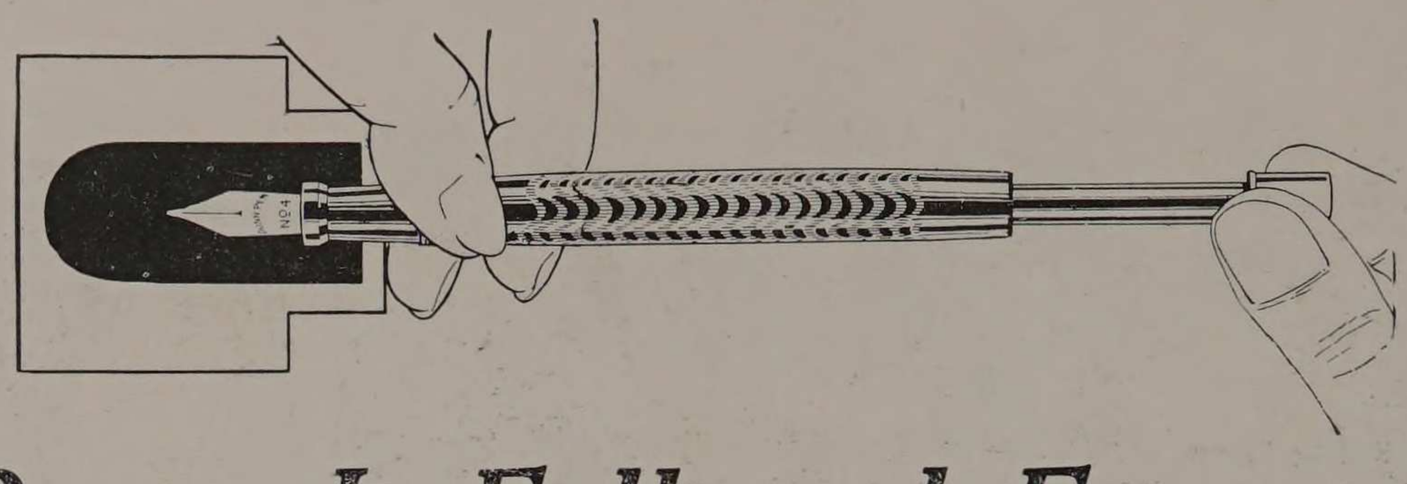

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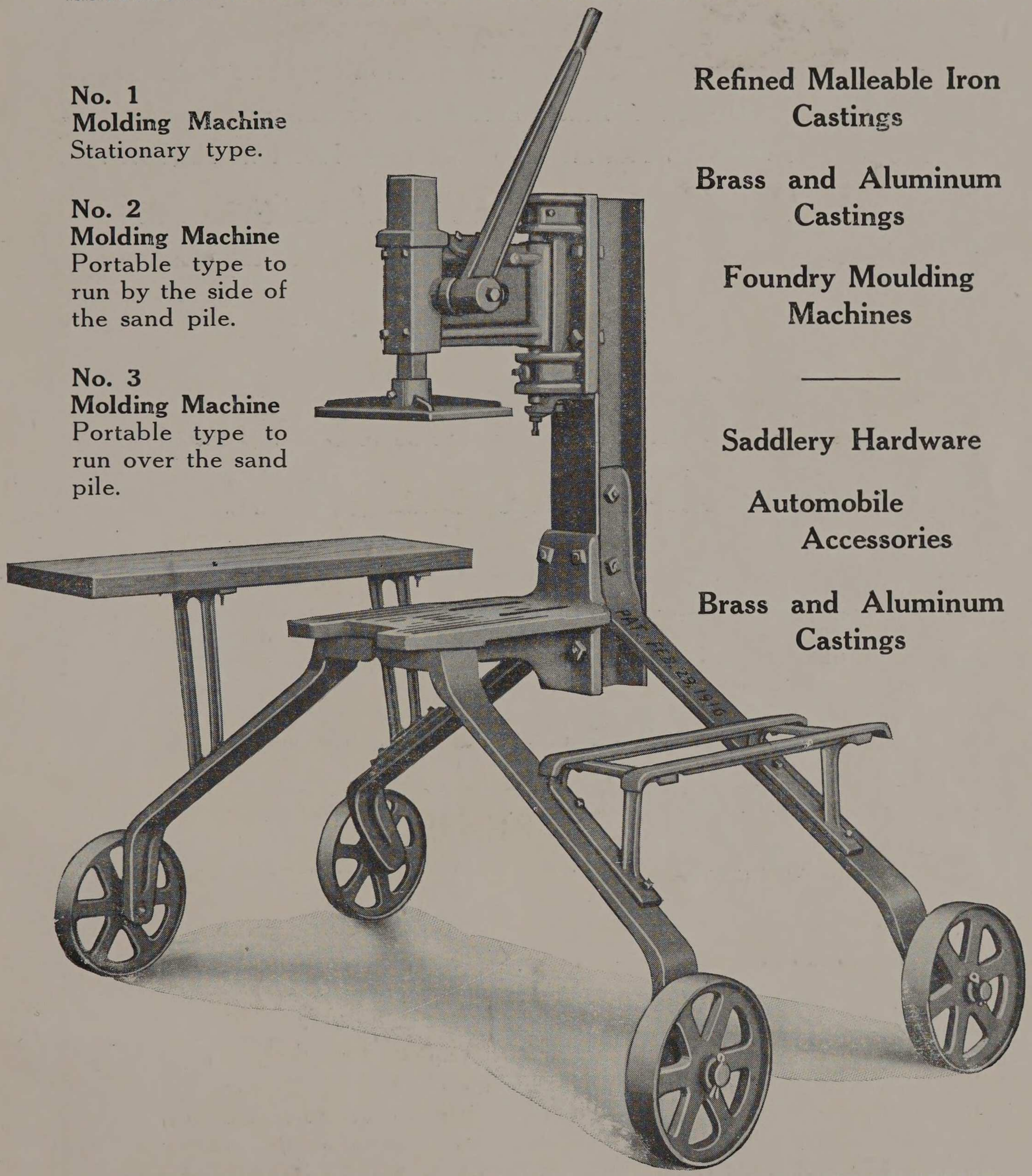

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