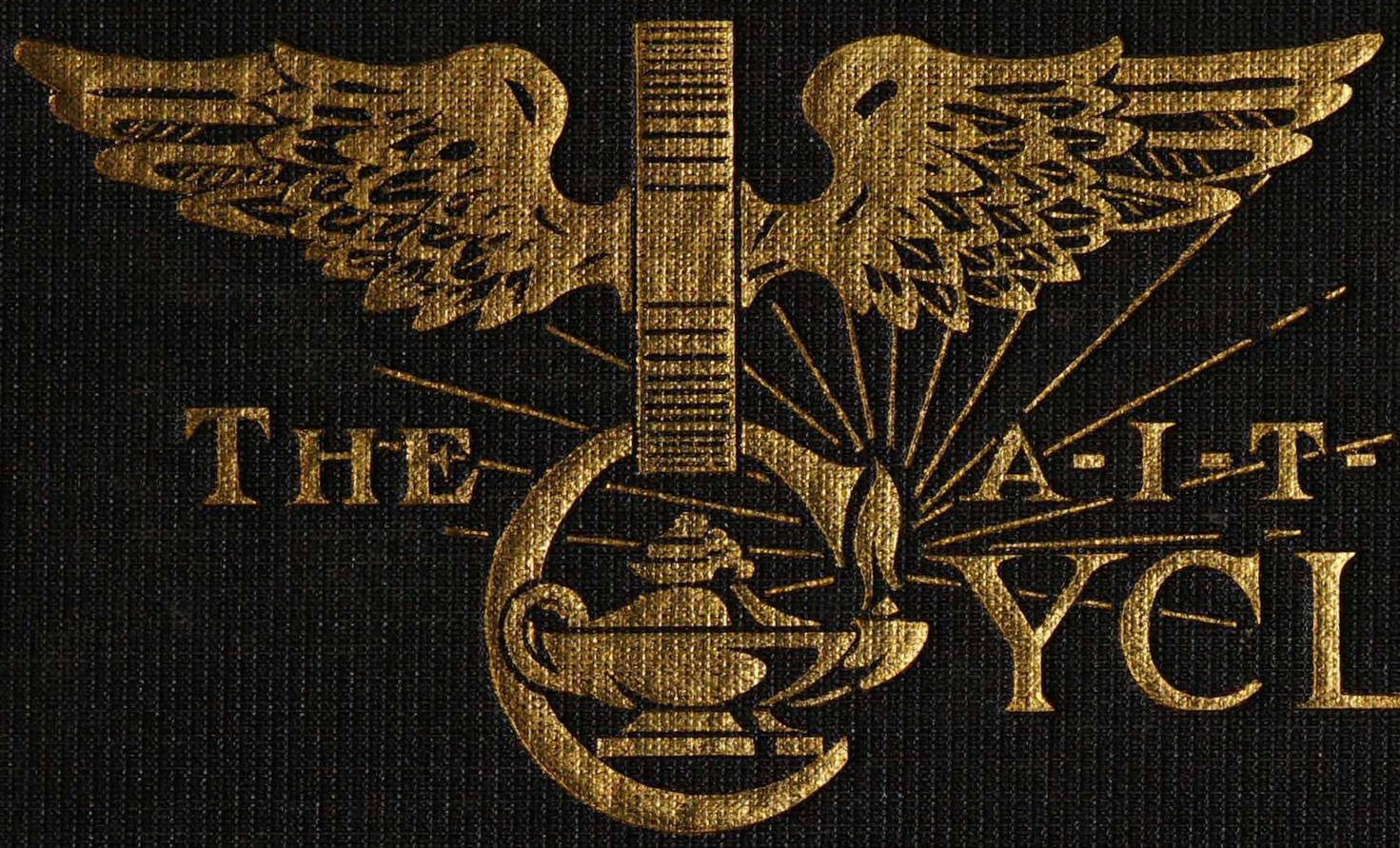
1914

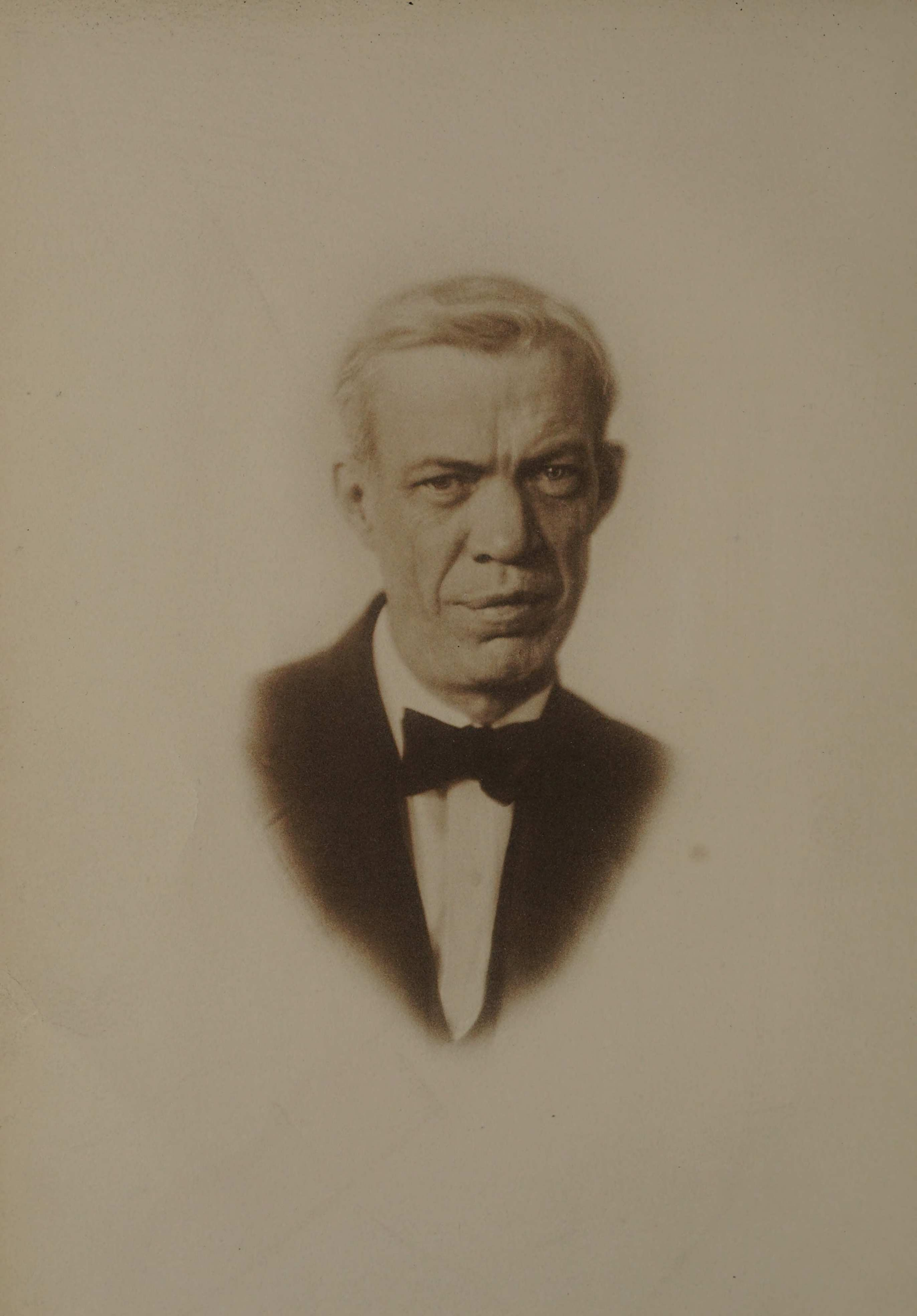


THE A-I-T-CYCLE

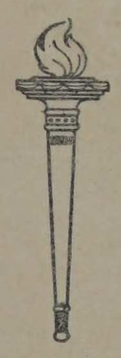

Ex
Libris

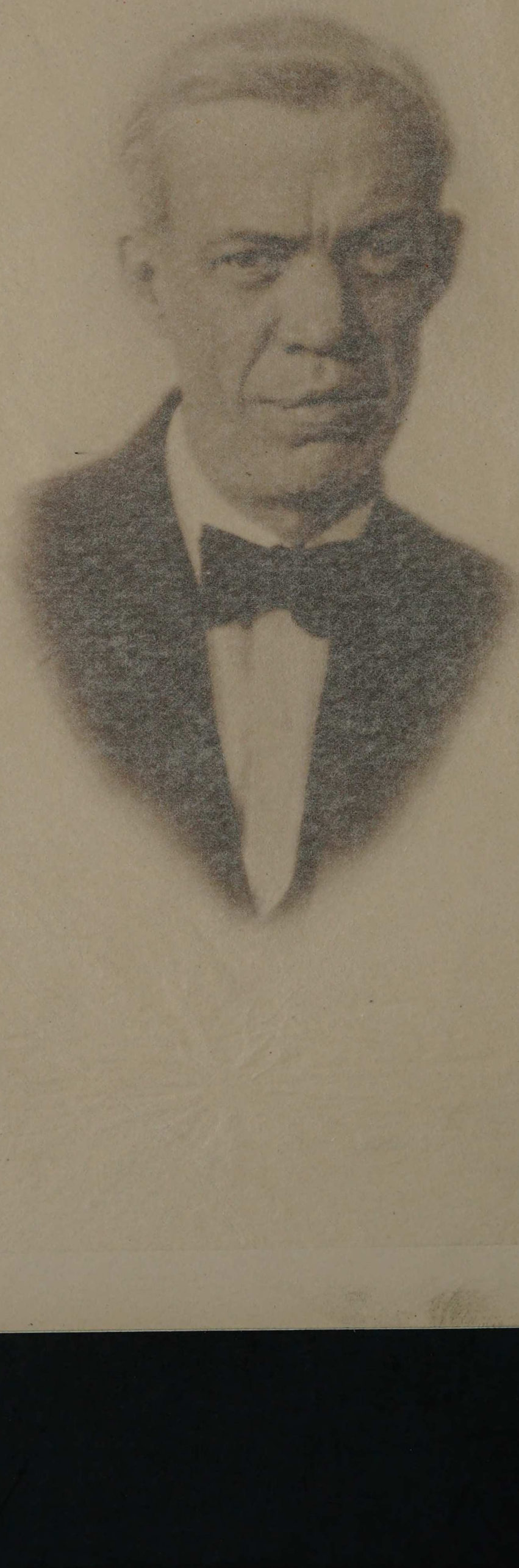
The Armour Cycle

Published by the
Class of 1915



To
Alfred Edward Phillips
Professor of Civil Engineering
Engineer
Scholar
Counselor
Friend
This book is respectfully dedicated
by the class of 1915





To

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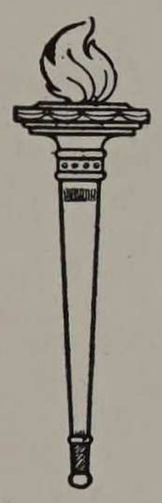


In years to come when we are scattered to the ends of the earth, whether we may be basking in the sun of prosperity or breasting the tide of adversity, then may this book bring these happy days to mind, and forever link us to our Alma Mater.

Commencement

Call this not a day of joy, 'tis that
On which we all must part;
Memories of our bye-gone years
Must soothe an aching heart.
Ere Father Time in swiftest flight
Numbers another year,
Causes unknown may separate
Each friend from classmates dear.
Make not of this a festal time;
Each hour but sounds a knell,
No word to us is sadder than
That word of words—Farewell.

—Dolan.

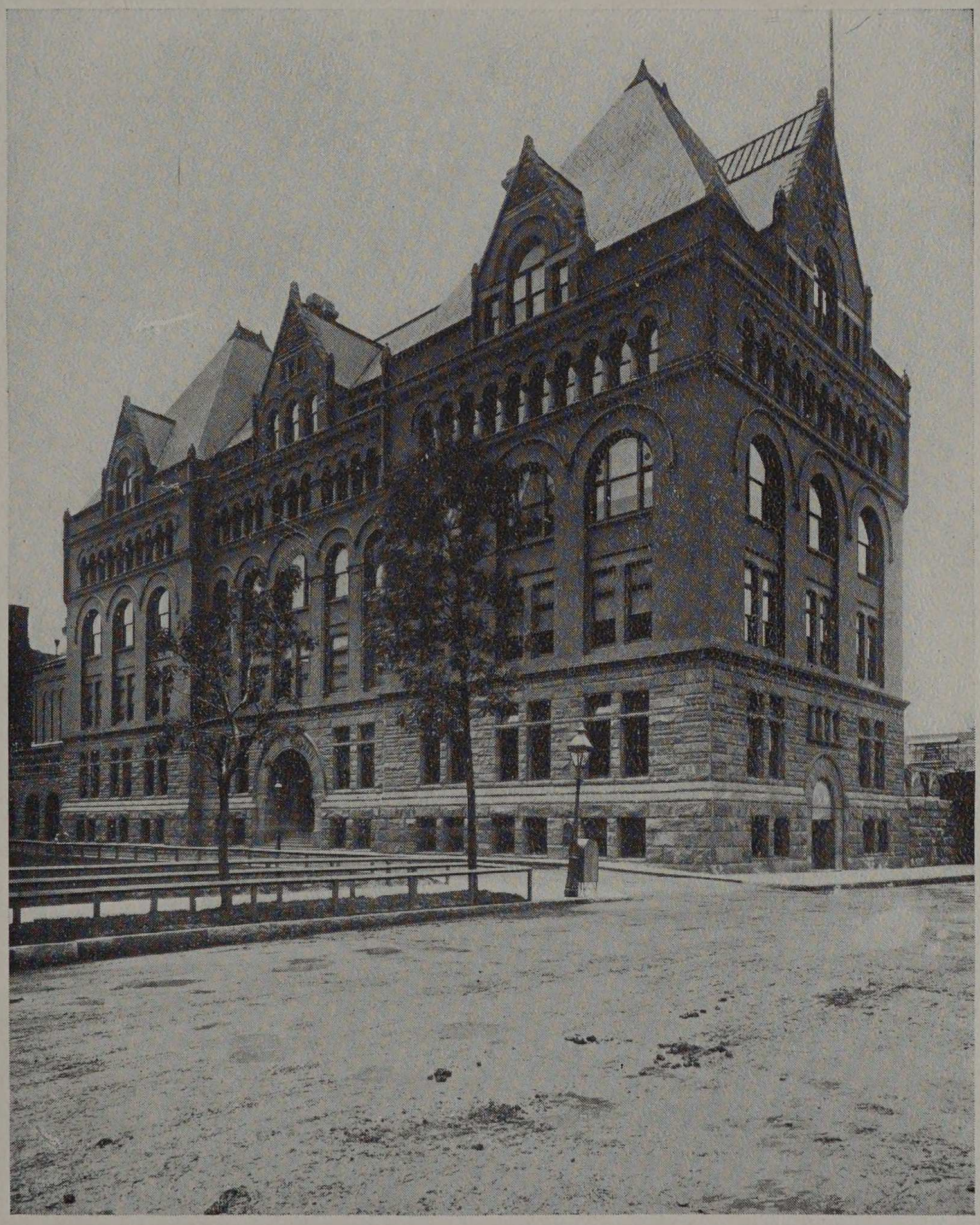


Order of Books

I- Institute
II- Classes
III- Organizations
IV- Social
V- Athletics
VI- Humor

E.W.P.

THE INSTITUTE



BOOK ONE

The Institute



In responding to a request from the Board of Editors of "THE CYCLE" to write a few words regarding the Institute, it has seemed to me unnecessary to dwell upon the details concerning its history. Many articles have been written reciting the incidents connected with its foundation and development, and one has only to turn to the former "Annuals" of the Junior Class and various magazine articles to obtain any historical information desired.

However interesting all these facts may be, and suffice it to say that they are unusually so, the question of moment to those of us who have been in the service for many years is—What has been accomplished and what are we accomplishing today? Twenty-one years have passed since President Gunsaulus first addressed the students in Assembly and told them of the aim, purpose, and high ideals of the Institute, the responsibilities of which had so recently been placed in his hands by Mr. Philip D. Armour. Wonderful changes have come; the hearts of those in authority and the members of the faculty are no warmer, the outlook for service is no more enthusiastic now than then, but the training is more thorough, the equipment is more complete, the curriculum is more firmly established, and we know what we can accomplish best.

What a change in general conditions—from the atmosphere incident to the attempt to teach both sexes, which, however, was distinctly the proper policy to pursue at that time, to that of the high grade college of engineering as the Armour Institute of Technology stands today! Many are the boys and girls who owe a successful career to the days spent in our preparatory and associated departments, but we believe that we are reaching as many students today and are preparing them better for the work of life in our college of engineering and evening classes than it was possible to do in the inexperienced days of long ago.

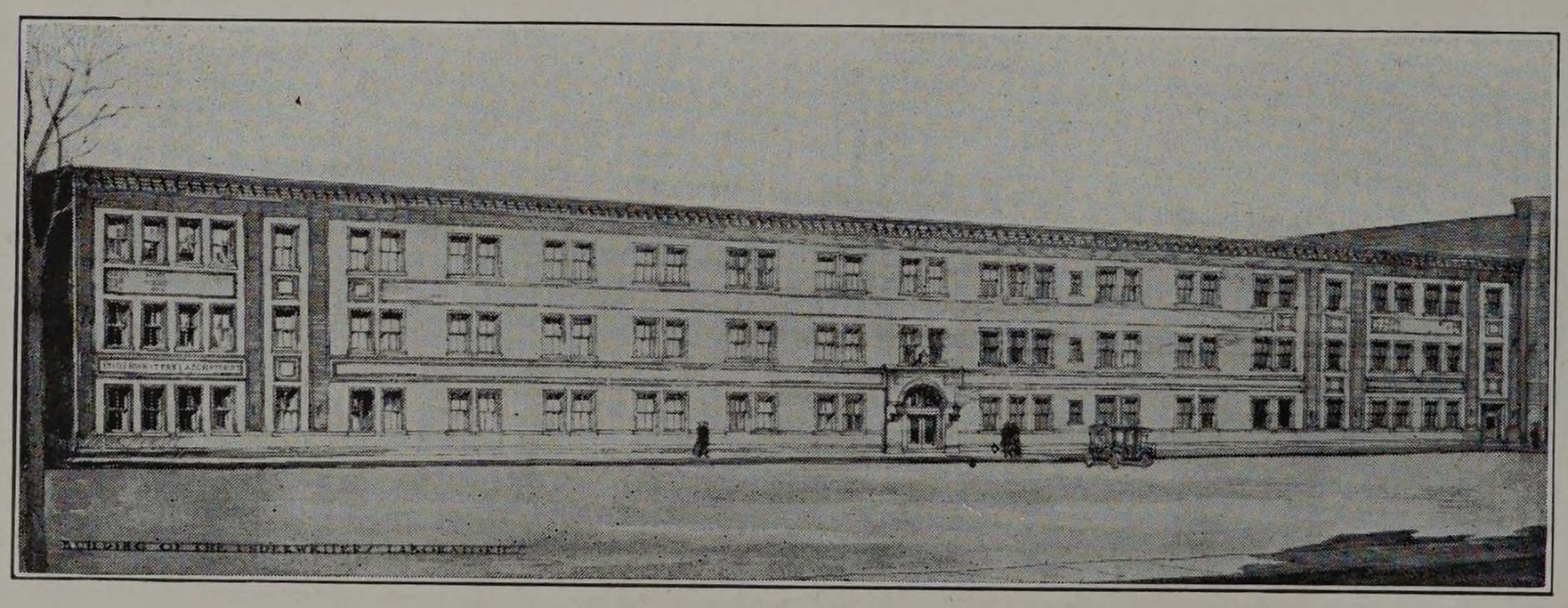
There are several contributing reasons which may be used to explain why the Institute has attained a position among the first-rank colleges of the country. The main one is *quality*, for which the Institute has always stood and without which as its fundamental principle no enterprise, be it educational or otherwise, can hope to achieve success. Quality, of course, indicates thoroughness, a cardinal principle of the late Mr. Philip D. Armour, whose precept and example has always acted as an inspiration to those who were chosen to develop the plans of the institution which was his greatest pride.

Cooperation is another characteristic which has had its share in bringing the work of the different departments of the Institute to their present high standard of *efficiency*. In a college of engineering, it is necessary that students enrolled in one department should receive instruction in certain studies in other departments, and it is this spirit of enthusiastic cooperation among instructors and students that assists greatly in obtaining the good results for which the Institute has attained distinction.

Fortune has favored the Institute in many ways. It is located in a great metropolis and probably the greatest industrial city of the nation. Our students, as well as members of the faculty, have opportunities of keeping in intimate touch with up-to-date engineering practice that do not come to those less favorably situated. There is not a day of the year but what may be seen in this wonderful city almost any kind of engineering in any phase of development, every type of building in any stage of construction, and the manufacture of the different utilitarian products contributing to twentieth century civilization. While we recognize that Chicago in itself is a wonderful laboratory and offers unusual advantages, we are also cognizant of the fact that it is our own laboratories and shops that provide the preliminary training to prepare our boys to fully appreciate these opportunities. A college of engineering is the most expensive kind of an educational institution to maintain, and new equipment must be provided each year in order to keep pace with modern engineering practice.

It is to the magnanimous generosity of Mr. J. Ogden Armour that we are indebted for the privilege of being allowed to improve our facilities each year, and with this assured material encouragement how can we refrain from looking into the future with the hope and confidence of great achievement?

Howard M. Raymond



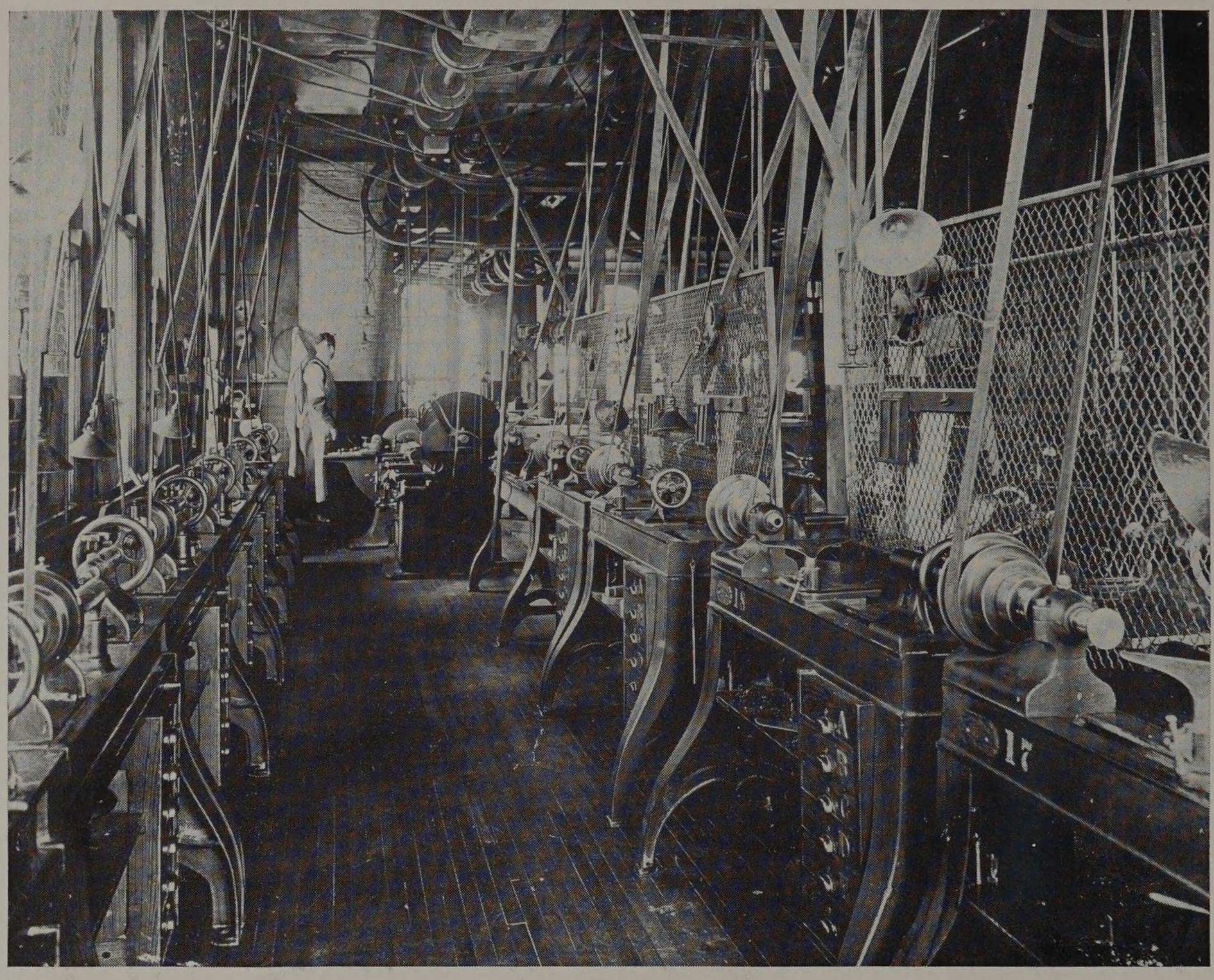
UNDERWRITERS' LABORATORIES, DEPARTMENT OF FIRE PROTECTION ENGINEERING



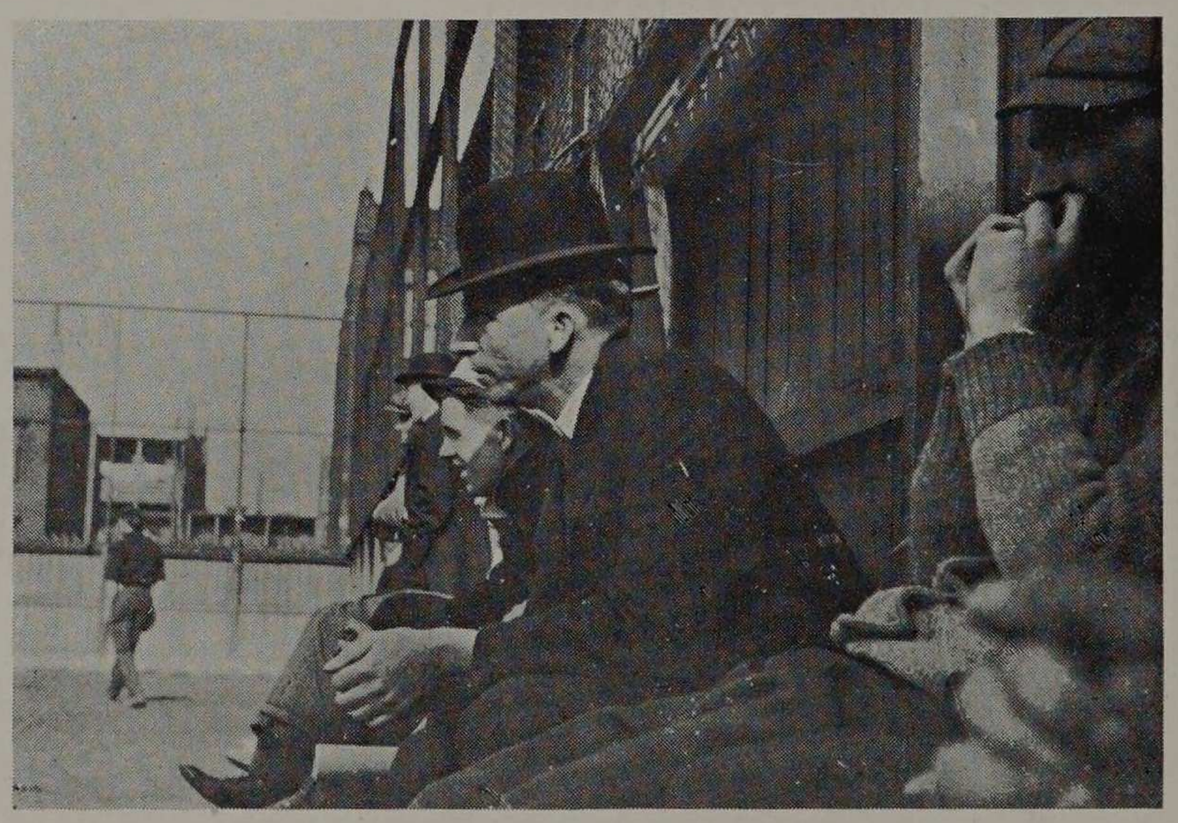
The Armour Auditorium



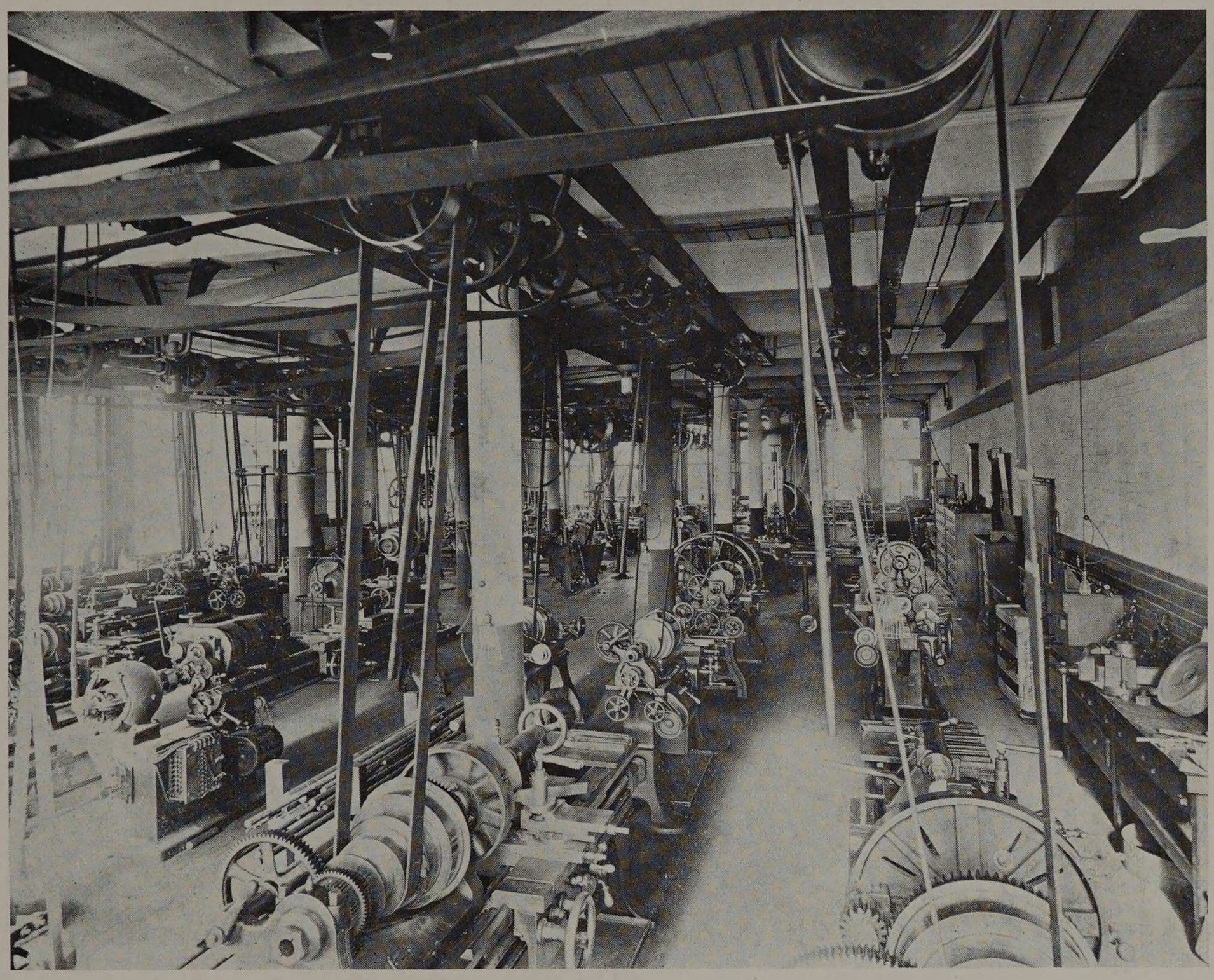
The Diamond



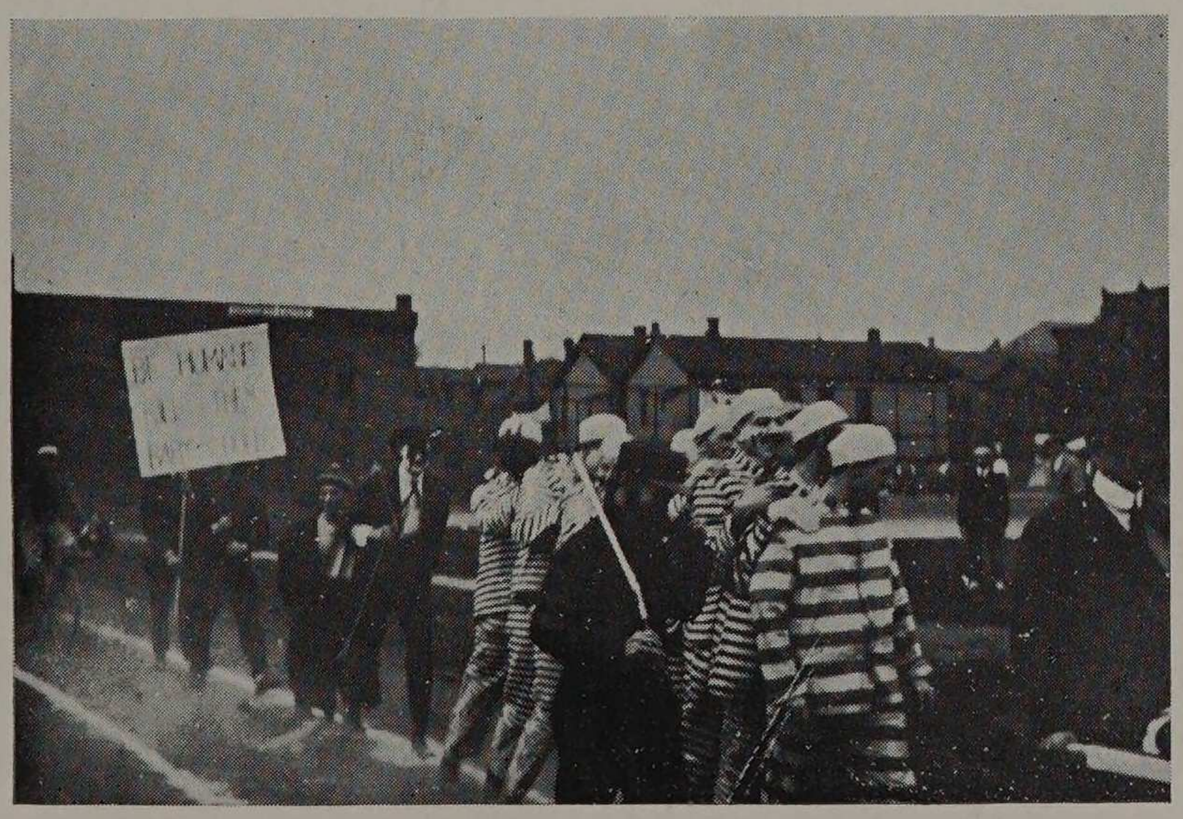
Lathes in the Pattern Shop



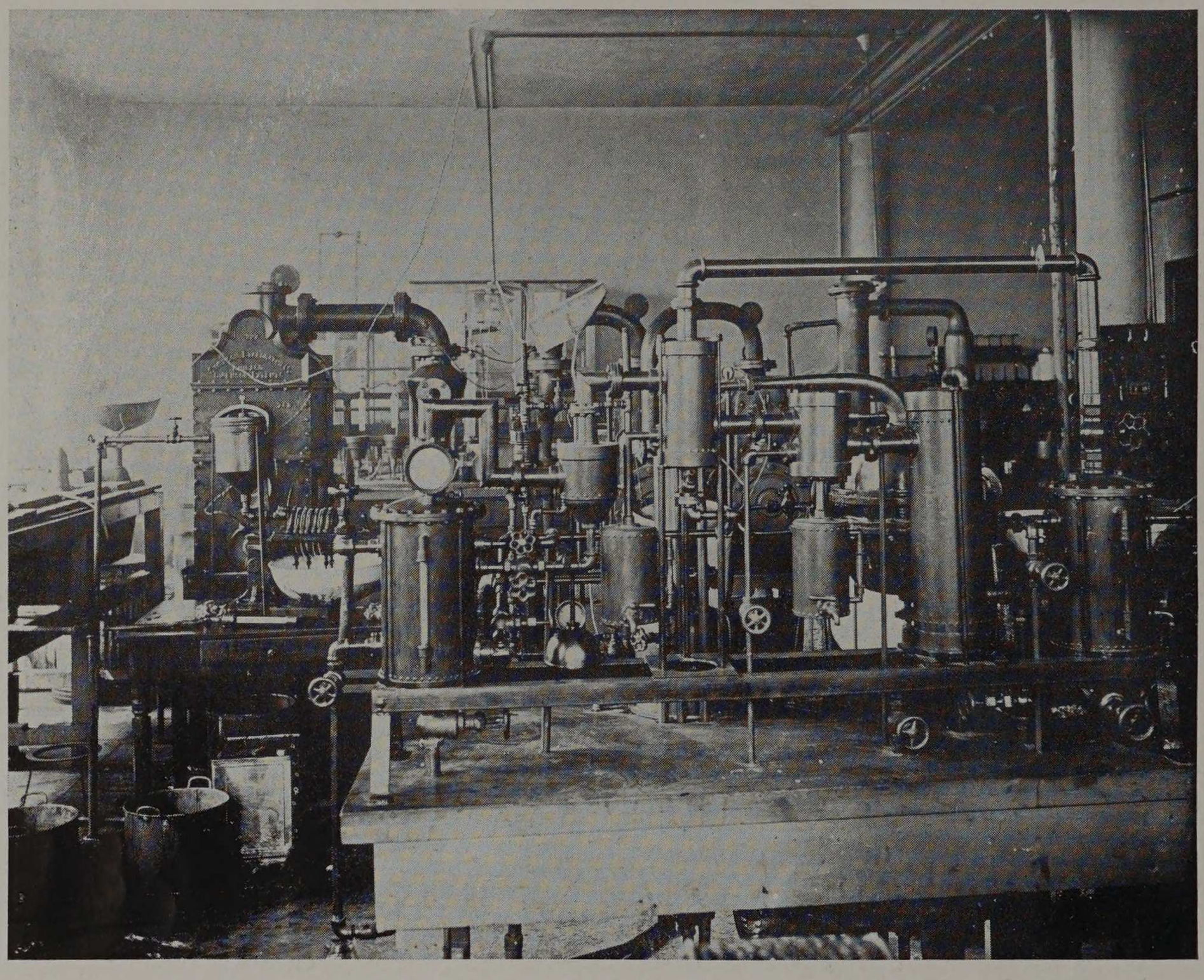
"A Course in English"



A Corner of the Machine Shop



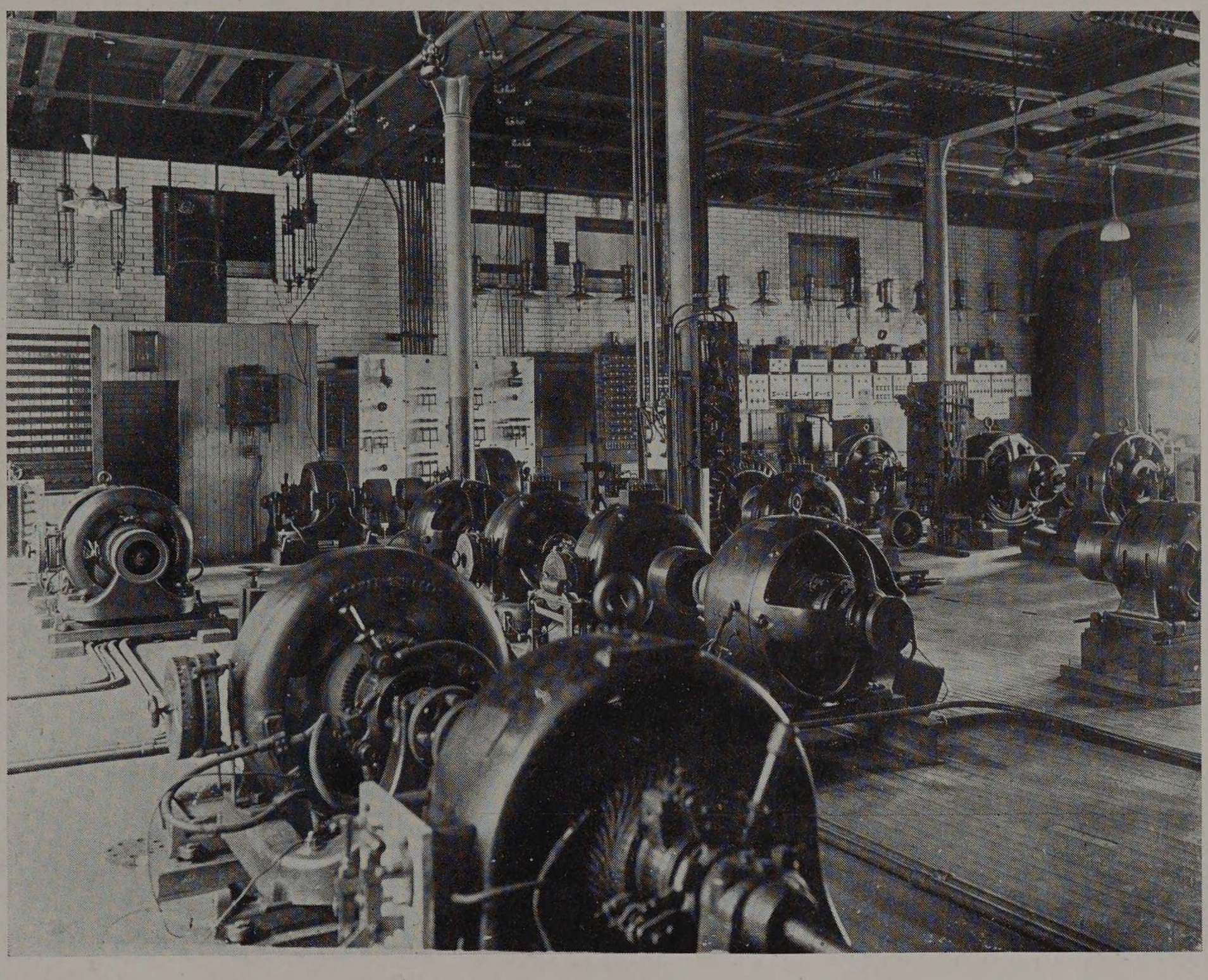
Circus Day



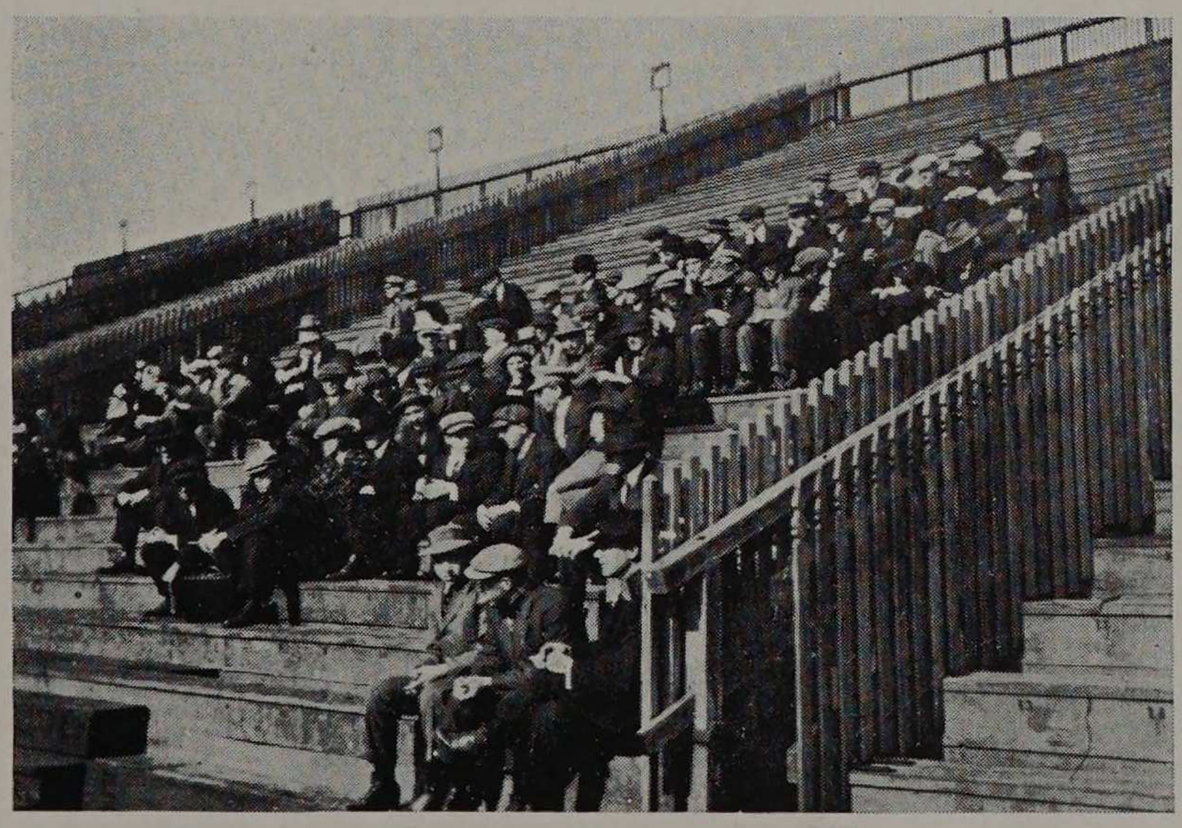
The Industrial Chemistry Laboratory



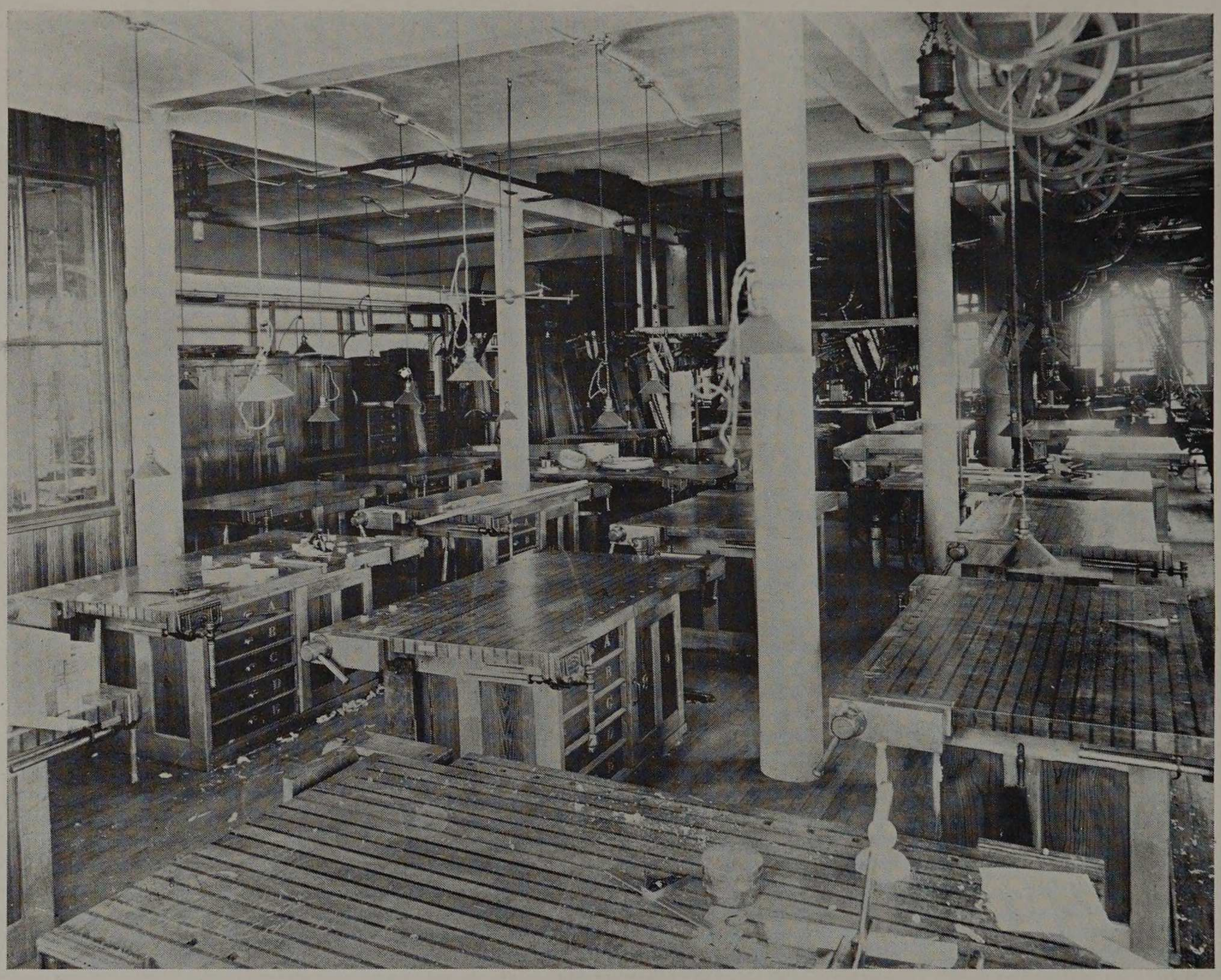
On the Bleachers



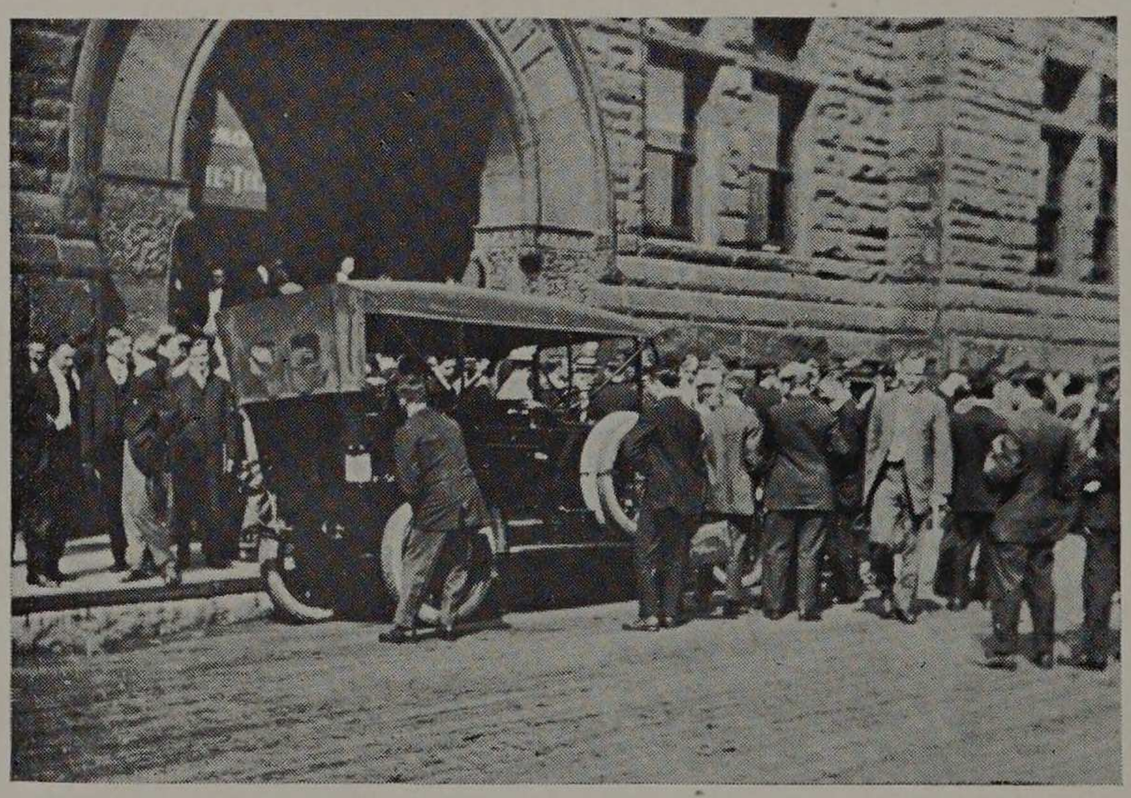
A View in the Dynamo Laboratory



At the Chicago-Armour Game



A View of the Pattern Shop



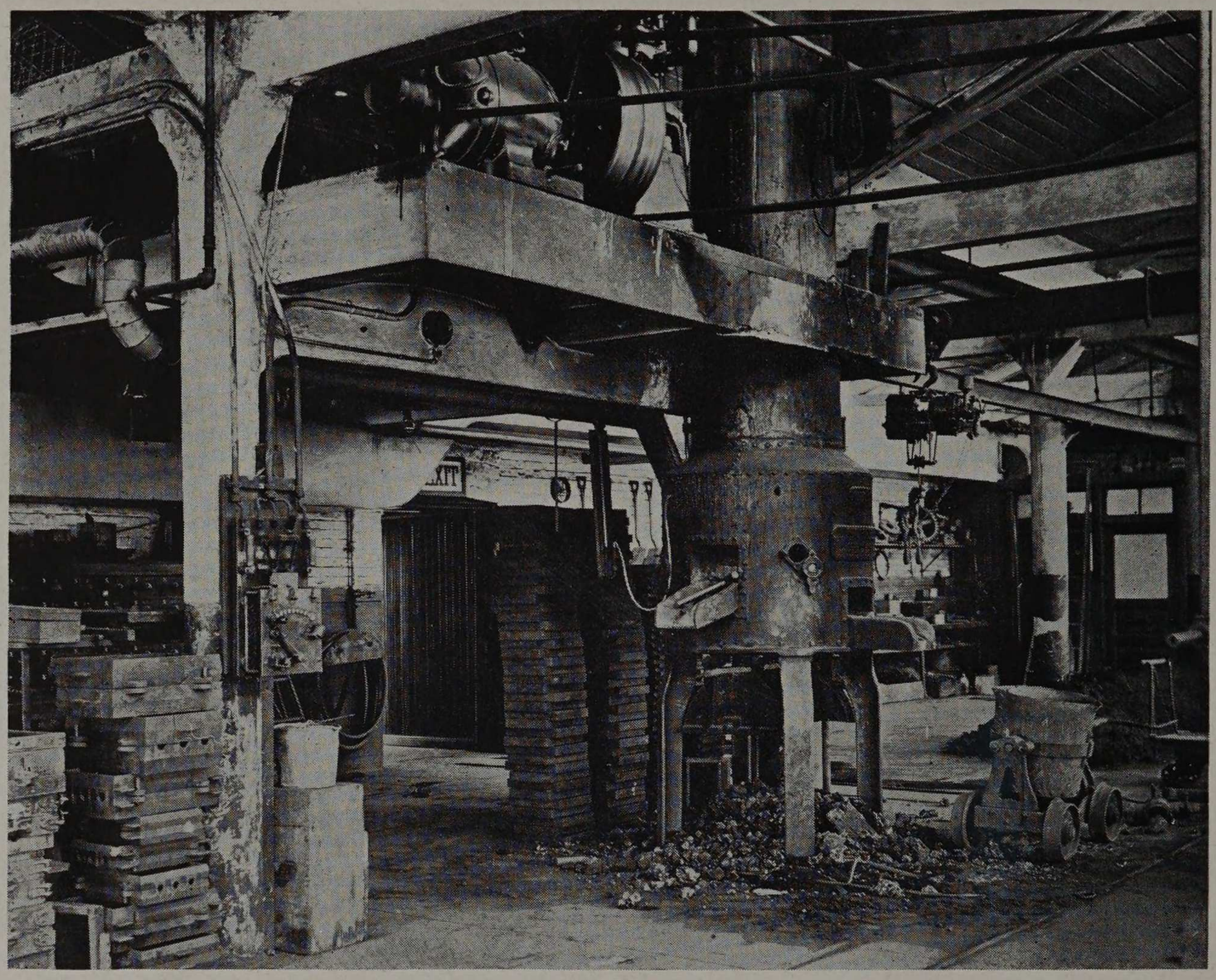
"Fire"



Forge Shop



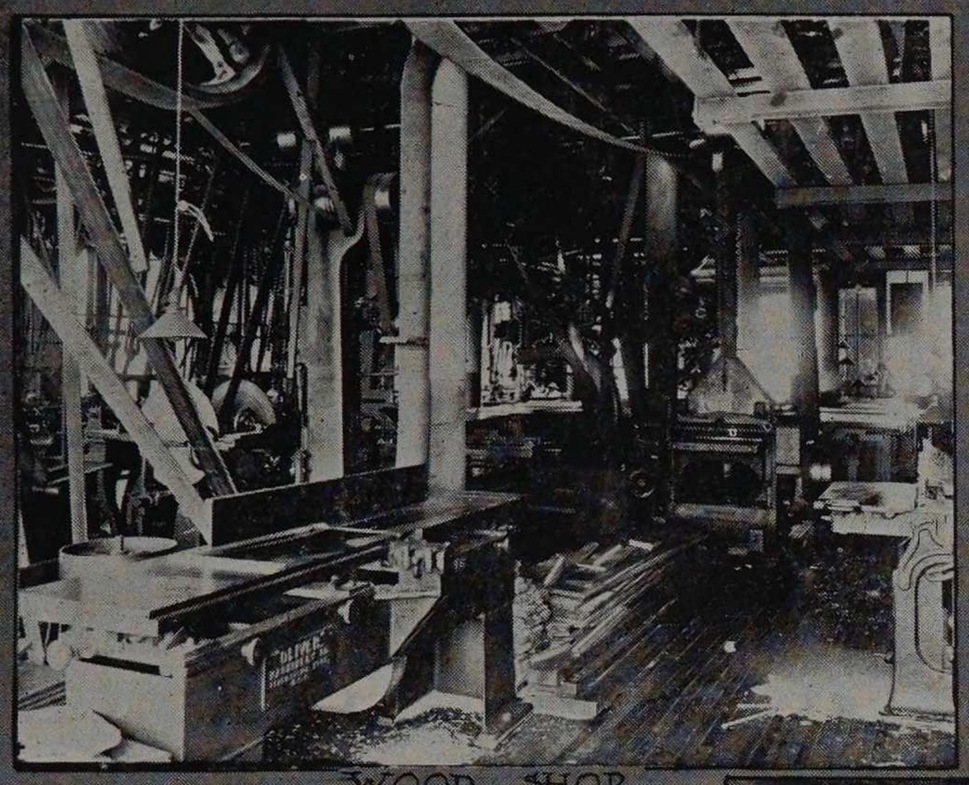
At the Game



In the Foundry



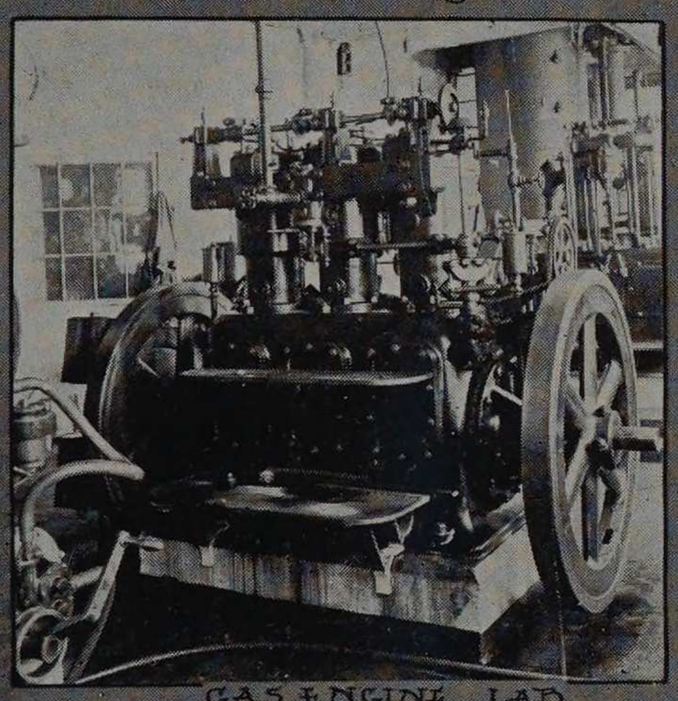
Cycle Day



WOOD SHOP.



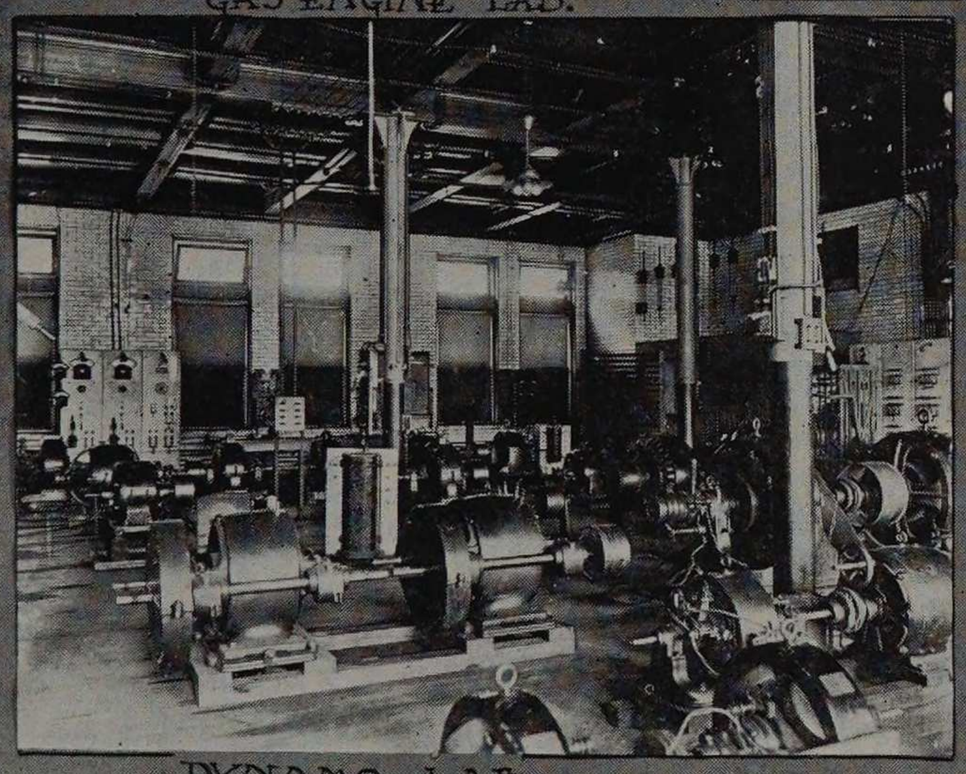
FRESHMAN DRAFTING ROOM



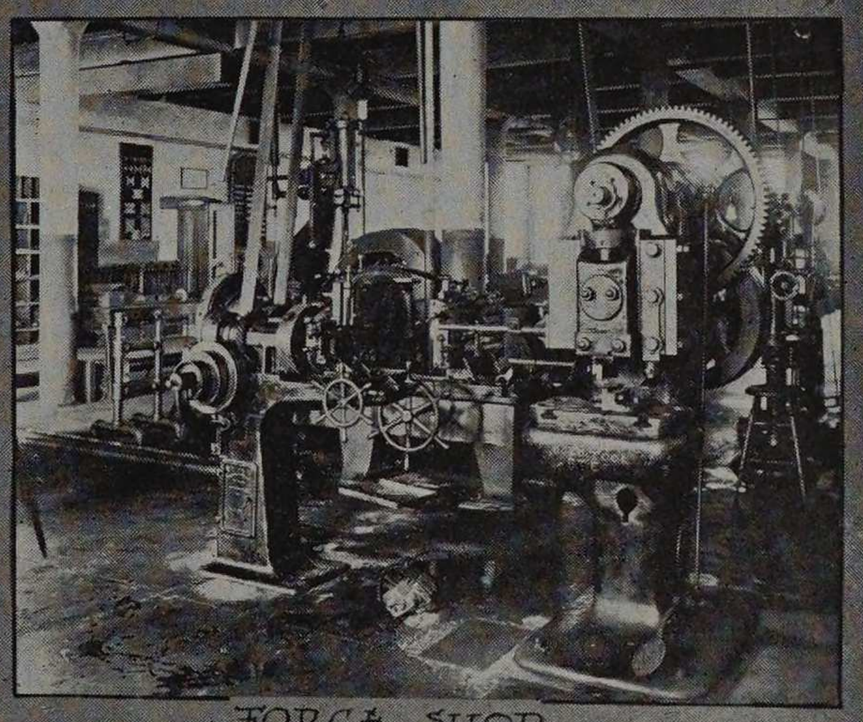
GAS ENGINE LAB.



MACHINE SHOP

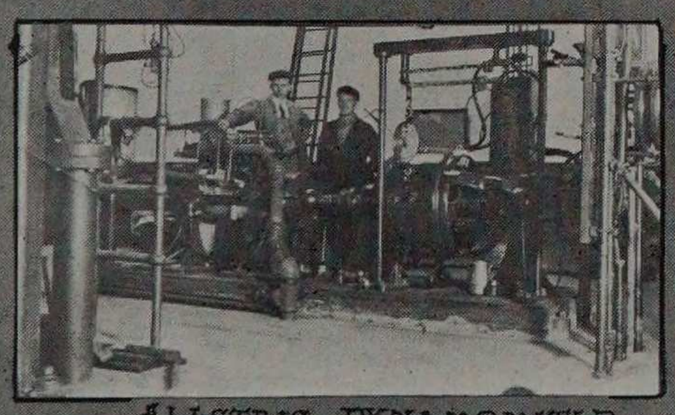


DYNAMO LAB.



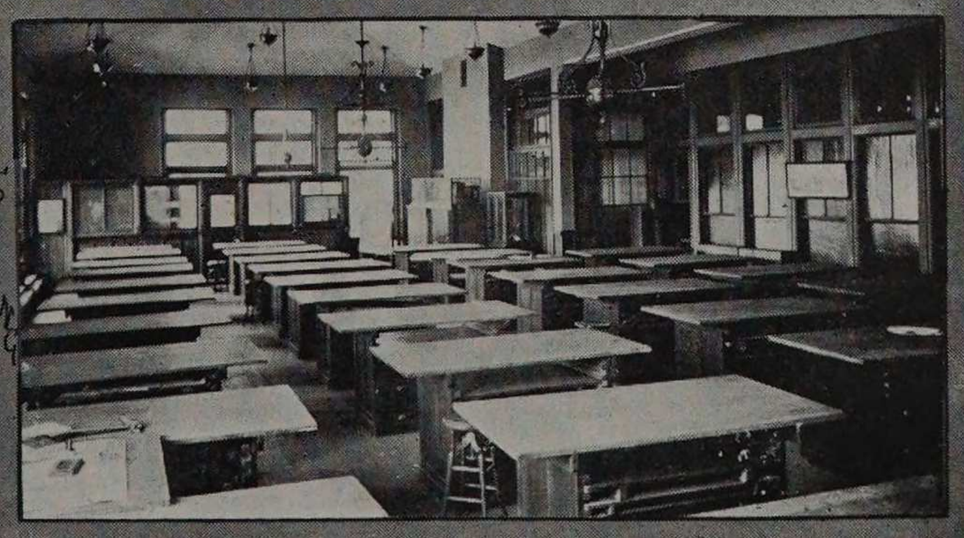
FORGE SHOP

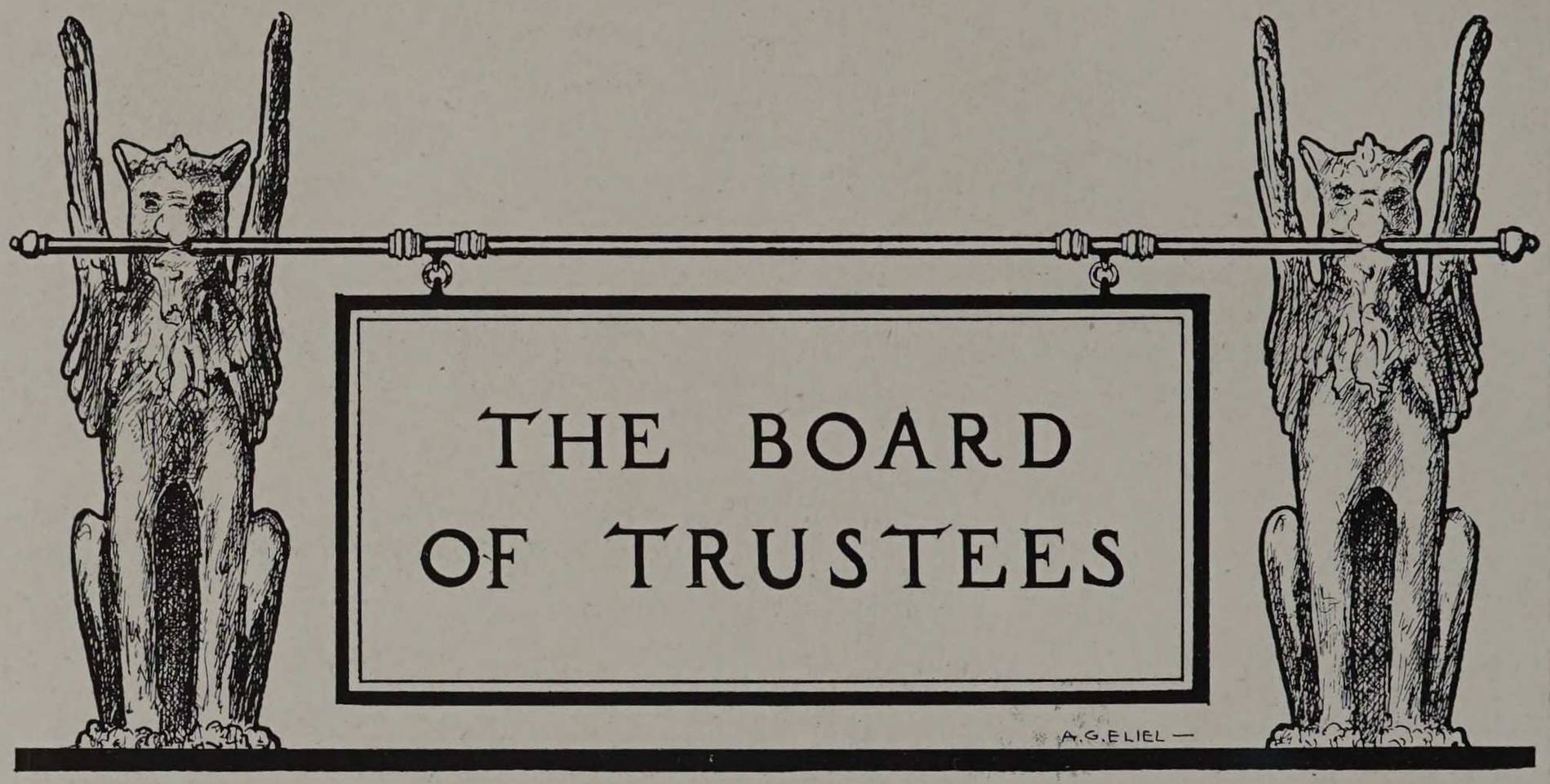
AMONG THE LABS



ELECTRIC DYNAMOMETER

CIVIL'S DRAFTING ROOM





J. Ogden Armour

Mrs. Phillip D. Armour

Mrs. J. Ogden Armour

Simeon B. Chapin

John C. Black

Frank W. Gunsaulus

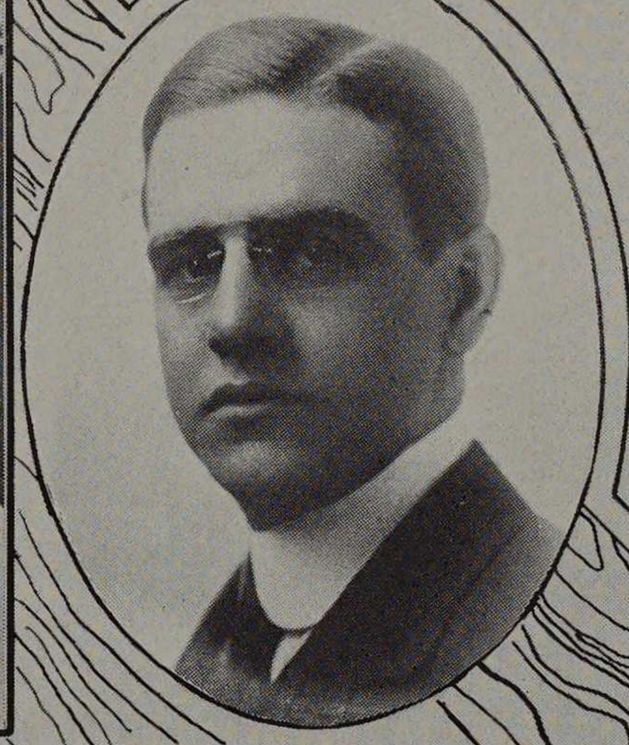
Robert J. Dunham


J. OGDEN ARMOUR


F.W. GUNSAULUS

MRS. P.D. ARMOUR

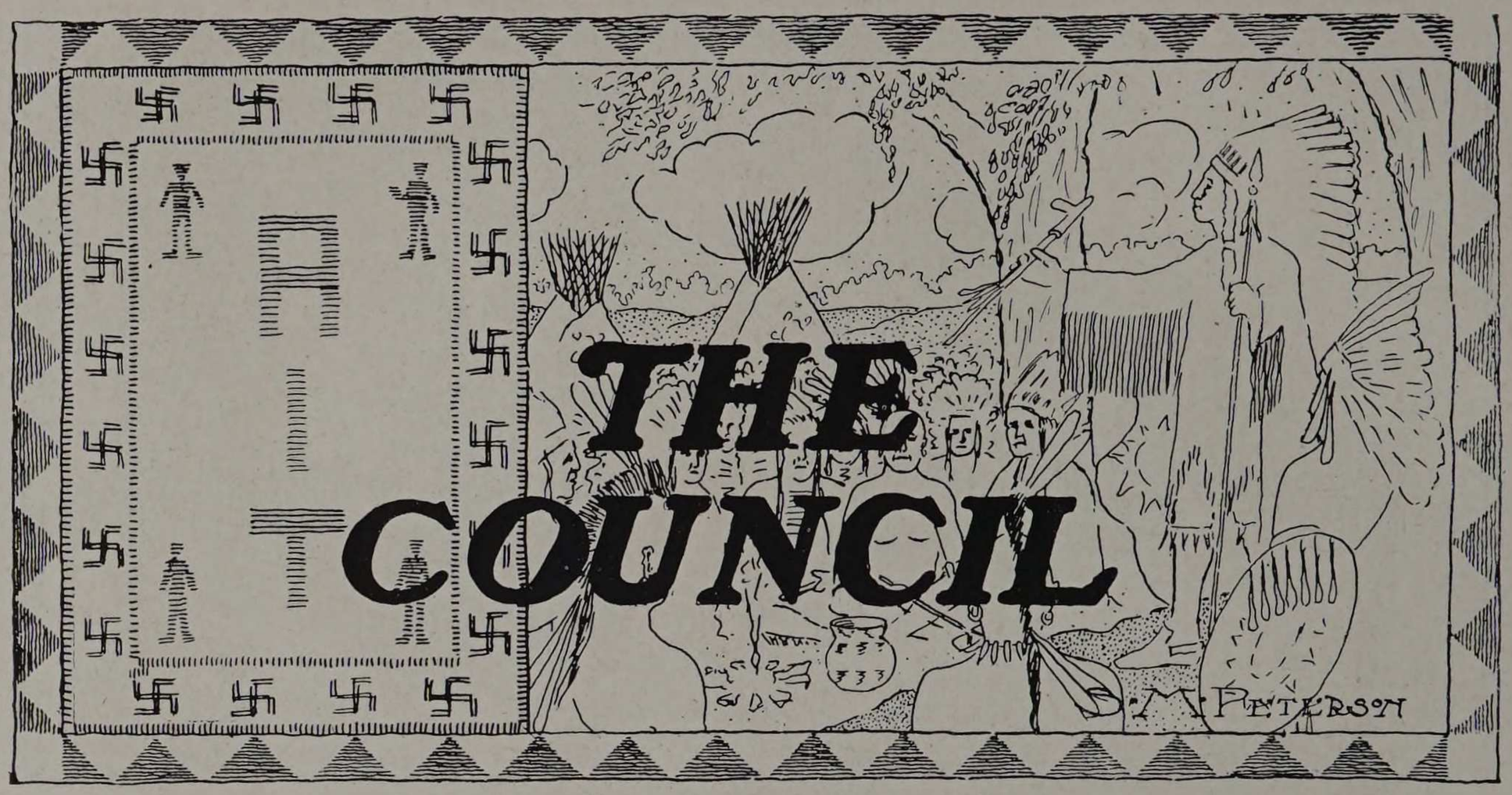
MRS. J. OGDEN ARMOUR


R. J. DUNHAM

J. C. BLACK

S. B. CHAPIN

BOARD of TRUSTEES



The President

FRANK WAKELEY GUNSAULUS

Birthplace, Chesterfield, Ohio. A. M., Ohio Wesleyan University, 1875. D. D., Beloit College, 1895. LL.D., Ohio Wesleyan University, 1906. Beta Theta Pi. Member of American Social Science Society, Academy of Arts and Sciences, etc. Author of "Phidias and Other Poems," "Songs of Night and Day," "Transfiguration of Christ," "Monk and Knight," "Life of William Ewart Gladstone," "Metamorphosis of a Creed," "November at Eastwood," "Loose Leaves of a Song," "The Man of Galilee," "Paths to Power," "Higher Ministries of Recent English Poetry," "Paths to the City of God" and "The Minister and the Spiritual Life." Residence, 2900 Prairie Avenue.

The Comptroller

FREDERICK URLING SMITH

Birthplace, Manchester, England. Private schools in England. Bonn University. Identified with Armour & Co. for twenty-six years. Assistant Treasurer and Business Manager of Armour Institute of Technology, 1893. Comptroller, 1902. Residence, 710 East 51st Street.

The Dean of the Cultural Studies

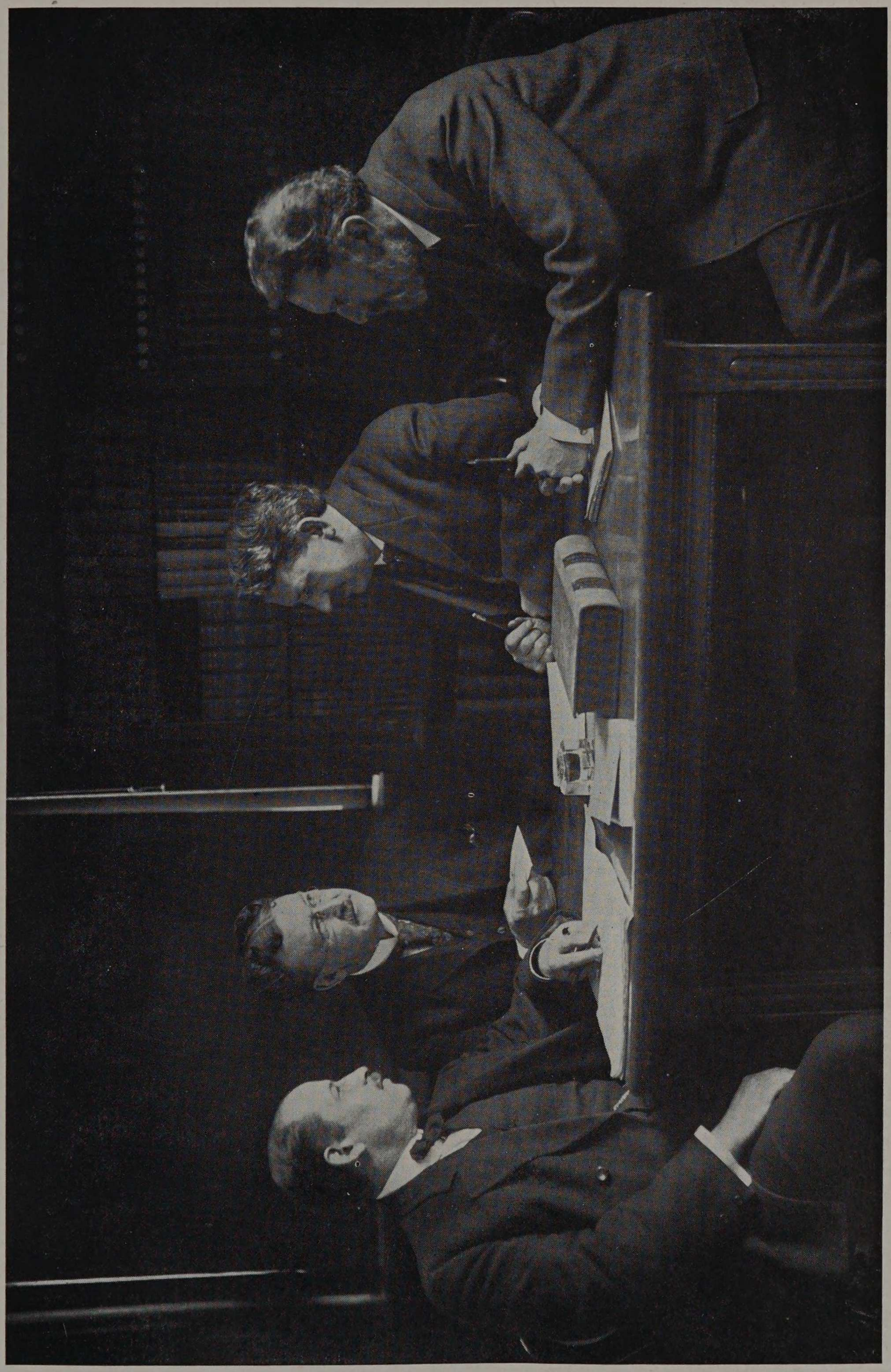
LOUIS CELESTIN MONIN

Birthplace, Berne, Switzerland. University of Leipzig, 1878-1879. University of Zurich, 1879-1881. High school teacher in Switzerland and Italy, 1881-1886. University of Heidelberg, 1886-1888. Post-graduate student University of Lake Forest, 1889-1891. Ph.D., University of Lake Forest, 1891. National Secretary of Zofingia (Fraternity) of Switzerland. President of the Department of Technical Education within the National Education Association, 1907-1909. Instructor in Philosophy, University of Chicago, 1891-1893. Assistant Professor of Education (Summer Quarter), University of Chicago, 1897. Professor of Modern Languages and later Professor of Economics and Philosophy and Dean of the Cultural Studies, Armour Institute of Technology, 1892. Member of many scientific educational and literary associations. Residence, Hotel Windermere, 56th Street and Cornell Avenue.

The Dean of the Engineering Studies

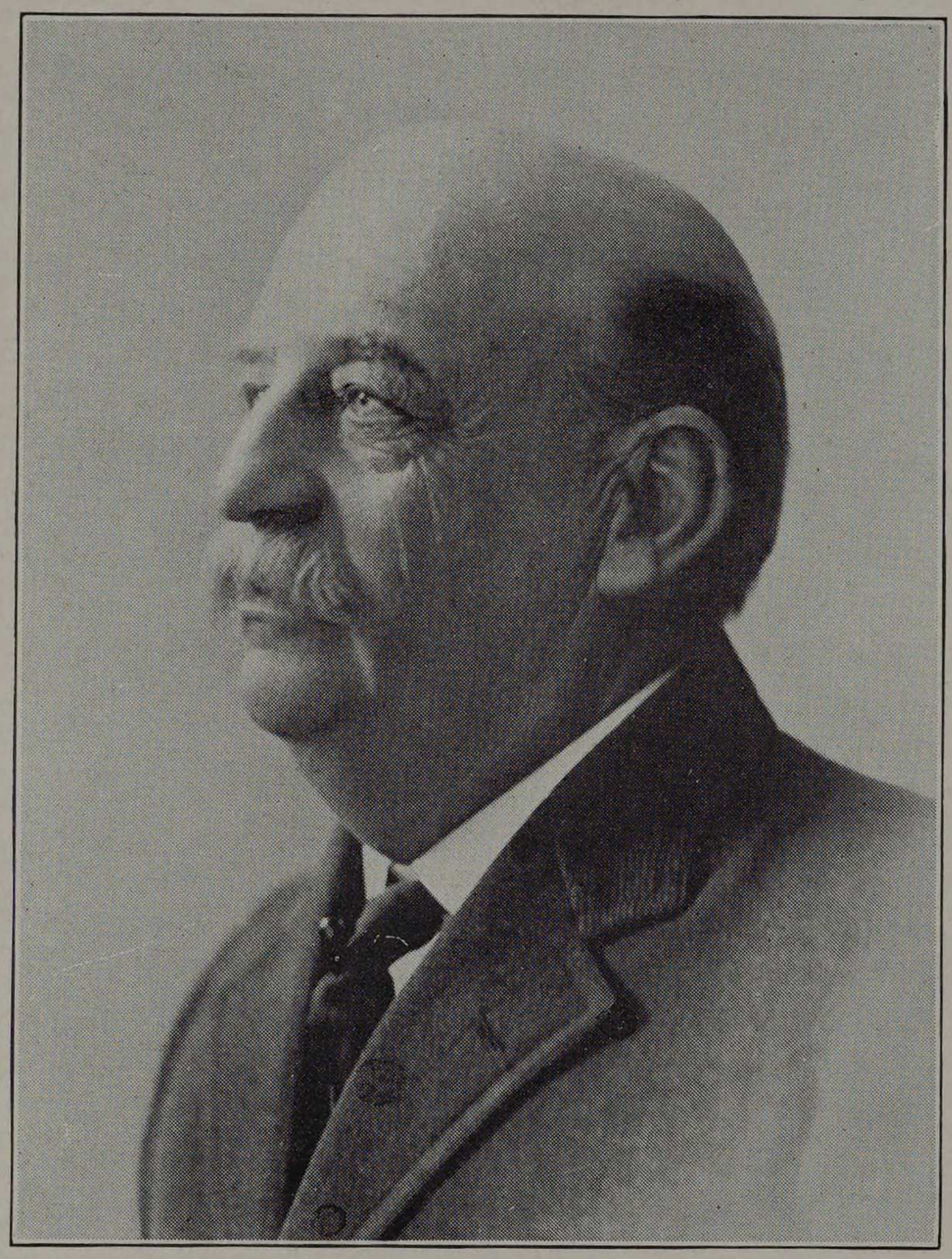
HOWARD MONROE RAYMOND

Birthplace, Grass Lake, Michigan. B.S., University of Michigan, 1893. Post-graduate work in Physics and Electrical Engineering, University of Michigan, 1894. Phi Delta Theta. Tau Beta Pi. Member of the Society for the Promotion of Engineering Education; Western Society of Engineers; Associate Member, American Institute of Electrical Engineers, and American Association for the Advancement of Science. Residence, 6522 Kenwood Avenue.



F. W. Gunsaulus L. C. Monin

H. M. Raymond F. U Smith



Arthur J. Frith

Died November 10, 1913

Arthur Joseph Frith, C. E., Associate Professor of Mechanical Engineering, died at his post at the Institute on the morning of Monday, November tenth. He was stricken with illness soon after arriving at the school, and passed away peacefully within a few minutes, his last moments being free from pain. Less than two months before, Professor Frith's only child, Edward Randolph Frith, was struck by an automobile and died within a few minutes. His father saw the accident and saw his boy die, a terrible experience that he could not forget, though he remained as before, gentle, courteous and lovable. Professor Frith was born in Philadelphia in 1852. He graduated from the Rensselaer Polytechnic Institute, and during practically all of his professional life devoted himself to thermodynamics, the subject of his courses at the Institute. The present year was his sixth at Armour Institute. He was a member of the American Society of Mechanical Engineers and of the Society of Automobile Engineers. He was the author of numerous papers presented before engineering societies, notably of a paper on the Frith cycle for gas engines. He has set an unusual example of noble thinking and right living and his professional work is recognized as being of the highest order.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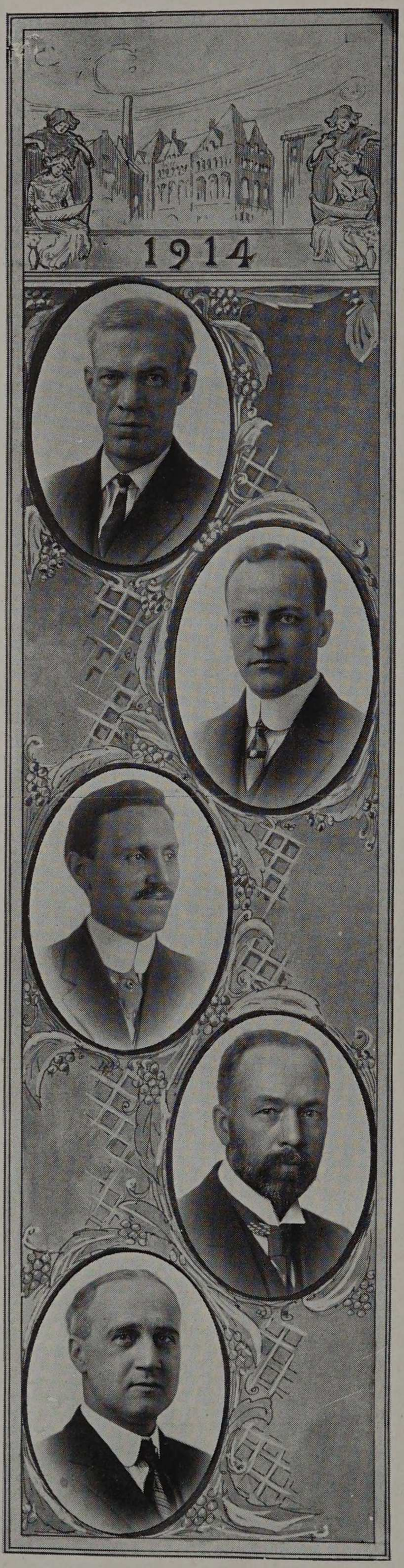
THE FACULTY



ALFRED EDWARD PHILLIPS
Professor of Civil Engineering.
Birthplace, Rouse's Point, New York.
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, 1240 Morse Avenue.

GEORGE FREDERICK GEBHARDT
Professor of Mechanical Engineering.
Birthplace, Salt Lake City, Utah.
A. B., Knox College, 1895. M. E., Cornell University, 1896. A. M., 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, 5302 Blackstone Avenue.

GEORGE LAWRENCE SCHERGER.
Professor of History and Political Science.
Birthplace, Lawrenceburg, Indiana.
A. B., University of Indiana, 1894. A. M., Universities of Leipzig and Berlin (1895-98). Ph. D., Cornell University, 1899.
Member of American Historical Association; National Geographical Association; Mississippi Valley Historical Society. City Club.
Author of "Evolution of Modern Liberty."
Research Work on "French and American Declaration of the Rights of Man."
Residence, 436 East 46th Street.

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

DONALD FRANCIS CAMPBELL.
Professor of Mathematics.
Birthplace, Nova Scotia.
B. A., Dalhousie College, Halifax, Nova Scotia, 1890. B. A., 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, 1134 Oak Avenue, Evanston, Illinois.



FITZHUGH TAYLOR.
Professor of Fire Protection Engineering.
Birthplace, Elmhurst, Illinois.
B. S., Armour Institute of Technology, 1900.
Member of National Fire Protection Association and Chicago Literary Club.
Residence, 4402 Greenwood Avenue.

HENRY BASCOM THOMAS.
Professor of Hygiene, Director of Physical Culture and Medical Adviser.
Birthplace, Elk Garden, Virginia.
B. S., University of Chicago, 1899. M. D., Northwestern University Medical School, 1903. Graduate Student University of Chicago.
Kappa Sigma. Phi Rho Sigma.
Member Chicago Medical Association; Chicago Orthopedic Association.
Member of Attending Staff of St. Luke's and Cook County Hospitals, Professor of Clinical Orthopedic Surgery, College of Physicians and Surgeons, etc.
Residence, 6530 Lexington Avenue.

WALTER FRANCIS SHATTUCK.
Professor of Architecture.
Birthplace, Champaign, Illinois.
B. A., and M. A., University of Illinois.
Alpha Delta Tau.
Member of Chicago Chapter of the American Institute of Architects.
Residence, 4743 Kenwood Avenue.

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.
Editor of "The Chemical Engineer."
Research Work in Metallurgy and Industrial Chemistry.
Residence, 5545 University Avenue.

ERNEST HARRISON FREEMAN.
Professor of Electrical Engineering.
Birthplace, Topeka, Kansas.
B. S., Kansas State Agricultural College, 1895; E. E., Armour Institute of Technology, 1905.
Tau Beta Pi.
Member of American Institute of Electrical Engineers; Western Society of Engineers; Society for the Promotion of Engineering Education; Illuminating Engineering Society.
Residence, 7026 South Park Avenue.



WALTER KAY SMART.
Professor of English.
Birthplace, Payson, Illinois.
Shurtleff College and Northwestern University; Ph. B., University of Chicago, 1902. Ph. D., University of Chicago, 1911.
Residence, 1122 East 54th Place.

ANDREW NICHOLAS REBORI.
Associate Professor of Architecture.
Birthplace, New York.
S. B., Massachusetts Institute of Technology, 1907. Holder of 1907 Traveling Scholarship in Architecture, Massachusetts Institute of Technology, Member of Alumni Association of American Academy in Rome. Representative for Chicago of the Beaux-Art Society of New York.
Residence, 9 East Ontario Street.

JOHN EDWIN SNOW.
Associate Professor of Electrical Engineering.
Birthplace, Athens, Ohio.
M. S., University of Ohio, 1896; E. E., Armour Institute of Technology, 1901. A. M., University of Ohio, 1904. Member of American Institute of Electrical Engineers.
Residence, 7021 Vernon Avenue.

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 of Western Society of Engineers.
Author of "Steel Bridge Designing."
Residence, 11310 Genevra Avenue, Morgan Park, Illinois.

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, 436 West 66th Street.

THOMAS EATON DOUBT.
Associate Professor of Physics.
Birthplace, Louisville, Kentucky.
B. S., Nebraska Wesleyan University, 1892. M. A., University of Nebraska, 1896. Ph. D., University of Chicago, 1904. Fellowships at University of Nebraska and University of Chicago.
Sigma Xi.
Fellow of the American Association for the Advancement of Science; Member of the American Physical Society.
Research Work on Absolute Color Equation, Velocity of Light and Spectrum Analysis.
Residence, 5402 Drexel Avenue.

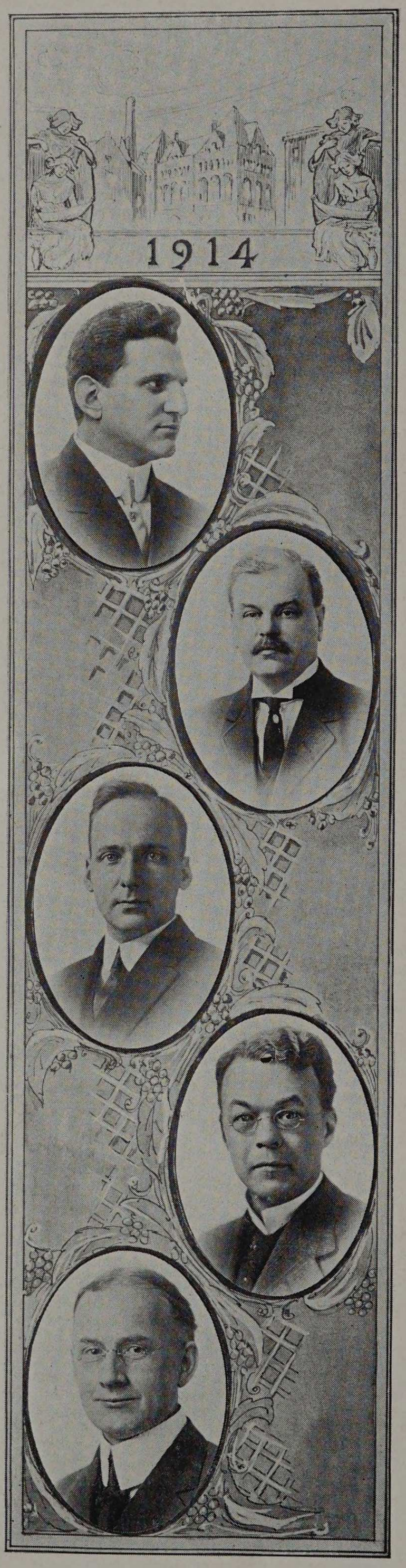
CHARLES WILBUR LEIGH.
Associate Professor of Mathematics.
Birthplace, Peoria, Illinois.
B. S., University of Illinois, 1897.
Phi Gamma Delta; Tau Beta Pi.
Author of "A Text Book on Trigonometry—Solid Geometry"; "Commercial Arithmetic" for the American School of Correspondence.
Residence, 7320 Lafayette Avenue.

JOSEPH BERNARD FINNEGAN.
Associate Professor of Fire Protection Engineering.
Birthplace, Stoneham, Massachusetts.
S. B., Massachusetts Institute of Technology, 1904.
Member of National Fire Protection Association,
Residence, 552 East 50th Street.

CHARLES EDWARD PAUL.
Associate Professor of Mechanics.
Birthplace, Belfast, Maine.
S. B., Massachusetts Institute of Technology.
Theta Xi.
Member of American Society of Mechanical Engineers; American Society for Testing Materials; Society for the Promotion of Engineering Education.
Author of Numerous Articles on Concrete Construction and Strength of Materials.
Research Work on "Chimney Draft."
Residence, 6238 Ellis 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.
Member of American Institute of Electrical Engineers, and Society for the Promotion of Engineering Education.
Author of "Practical Applied Electricity."
Residence, 56 West 34th Street.





BENJAMIN BALL FREUD.
Associate Professor of Organic Chemistry.
Birthplace, Chicago, Illinois.
B. S., University of Chicago, 1904.
Phi Beta Kappa, Sigma Xi.
Member of American Chemical Society.
Author of Articles in Technical Literature.
Physio-Organic Research on "Salt Effect in Catalysis," "Oxidation and Vulcanization of Vegetable Oils," "Manufacture of Sponge Rubber" and "Application of Oils and Rubber to Tire Fillers."
Residence, 703 East 50th Place.

ALEXANDER PELL.
Associate Professor of Mathematics.
Birthplace, Moscow, Russia.
Ph. D., Johns Hopkins University.
Phi Beta Kappa.
Member of American Mathematical Society.
Author of "Memoirs of Differential Geometry."
Research Work in Differential Geometry.
Residence, 3427 South Park Avenue.

CHARLES AUSTIN TIBBALS.
Associate Professor of Analytical Chemistry.
Birthplace, New York City, New York.
Columbia University; A. B., University of Wisconsin, 1904; A. M., 1906; Ph. D., 1908.
Phi Gamma Delta, Sigma Xi, Phi Lambda Upsilon.
Member of American Chemical Society.
Author of "A Study of Tellurides."
Research Work in Inorganic Chemistry.
Residence, 1533 East 65th Street.

CLYDE BARNES COOPER.
Associate Professor of English.
Birthplace, Prairie City, Illinois.
M. A., University of Iowa.
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.
Member of American Society of Mechanical Engineers.
Research Work on "Susceptibility of Copper and Tin Alloys" and "Study of Heusler Alloys."
Residence, 6020 Kenwood Avenue.

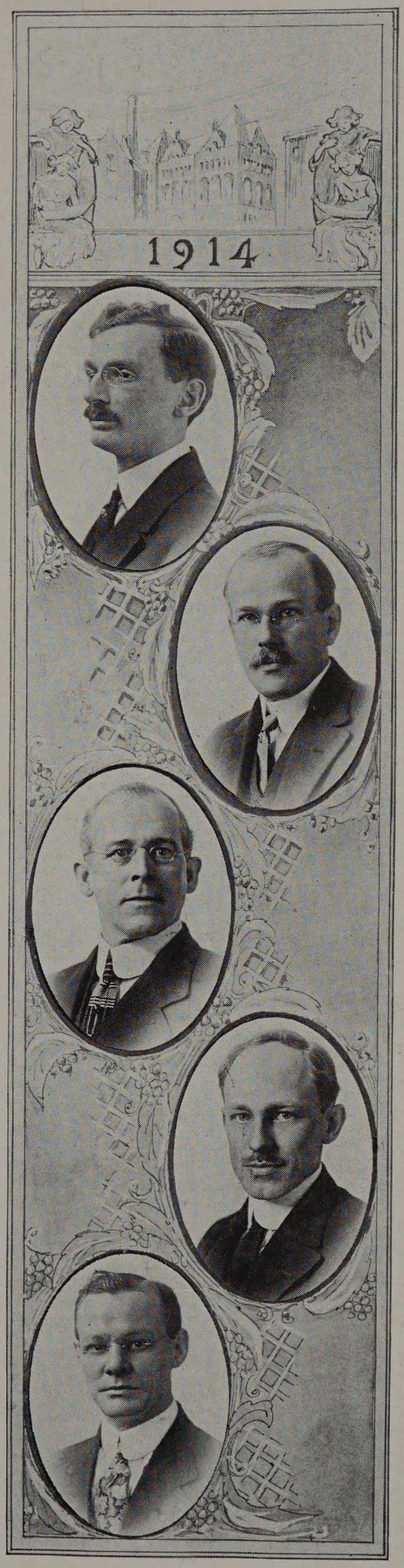
HENRY LEOPOLD NACHMAN.
Assistant Professor of Kinematics and Machine Design.
Birthplace, Sommerfeld, Germany.
B. S., Armour Institute of Technology, 1902; M. E., 1906.
Tau Beta Pi. Beta Phi.
Residence, 5309 Calumet Avenue.

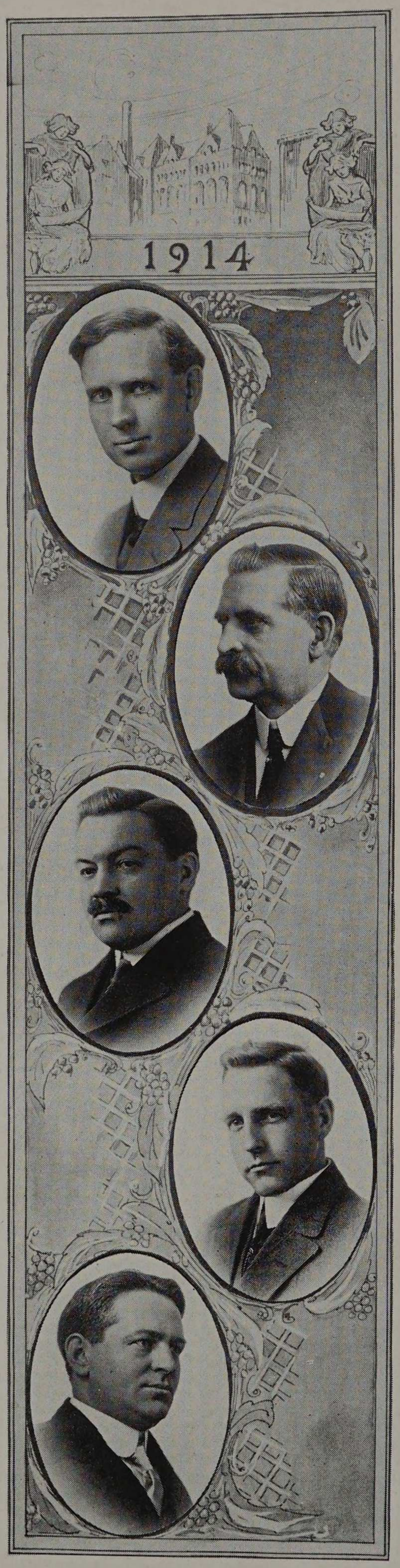
HERBERT JULIUS ARMSTRONG.
Assistant Professor of Railway Engineering.
Birthplace, Sunderland, Massachusetts.
B. S., Massachusetts Agricultural College, 1897.
Phi Sigma Kappa.
Member American Railway Engineering Association.
Residence, 11337 Crescent Avenue, Morgan Park, Illinois.

CLAUDE IRWIN PALMER.
Assistant Professor of Mathematics.
Birthplace, Michigan.
A. B., University of Michigan, 1903.
Member of the American Association for the Advancement of Science; National Society for the Promotion of Industrial Education.
Author of "Arithmetic with Applications;" "Geometry with Applications;" "Algebra with Applications;" "Trigonometry and Logarithms."
Residence, 6440 Greenwood Avenue.

ARTHUR HENRY ANDERSON.
Assistant Professor of Experimental Engineering.
Birthplace, Chicago, Illinois.
M. E., Armour Institute of Technology, 1906.
Residence, 6826 Wayne Avenue.

EDWIN STEPHEN LIBBY.
Assistant Professor of Experimental Engineering.
Birthplace, Portland, Maine.
B. S., Armour Institute of Technology, 1902; M. E., 1907.
Tau Beta Pi.
Residence, 11232 Esmond Street.





William Griswold Smith.
Assistant Professor of Descriptive Geometry and Kinematics.
Birthplace, Toledo, Ohio.
M. E., Cornell University, 1892.
Delta Kappa Epsilon; Sphinx Head; Sigma Kappa Delta.
Author of "Practical Descriptive Geometry."
Residence, 6758 Perry Avenue.

John Simpson Reid.
Assistant Professor of Mechanical Drawing and Elementary Machine Drawing.
Birthplace, Kilmarnock, Ayrshire, Scotland.
Irvine 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."
Residence, 6239 Greenwood Avenue.

Robert Charles Ostergren.
Assistant Professor of Architecture.
Birthplace, Stockholm, Sweden.
B. S., Armour Institute of Technology, 1908.
Tau Beta Pi.
Member of Chicago Architectural Business Men's Association.
Residence, 2939 Vernon Avenue.

Stanley Dean.
Assistant Professor of Civil Engineering.
Birthplace, Manchester, England.
C. E., Armour Institute of Technology, 1905.
Beta Theta Pi, Sigma Kappa Delta.
Associate Member American Society of Civil Engineers.
Residence, 2015 Morgan Avenue, Morgan Park, Illinois.

Eugene Edward Gill.
Assistant 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 Solutions."
Residence, 5739 Maryland Avenue.

GEORGE EVERETT MARSH.
Assistant Professor of Electrical Engineering.
Birthplace, Georgetown, Colorado.
S. B., Massachusetts Institute of Technology, 1902.
E. E., Armour Institute of Technology, 1912.
Member of American Institute of Electrical Engineers and American Electro-Chemical Society.
Residence, 446 East 34th Street.

JAMES CLINTON PEEBLES.
Instructor in 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.
Research Work on "An Oscillograph Study of Commutation."
Residence, 436 West 72nd Street.

HAROLD WILLIAM NICHOLS.
Assistant Professor in Electrical Engineering.
Birthplace, Sheffield, Iowa.
B. S., Armour Institute of Technology, 1908. M. S., University of Chicago, 1909. E. E., Armour Institute of Technology, 1911.
Sigma Xi, Eta Kappa Nu.
Member of American Physical Society.
Residence, 1220 East 54th Street.

MRS. JULIA A. BEVERIDGE.
Librarian and Instructor in Bibliography.
Birthplace, Beloit, Wisconsin.
University of Wisconsin.
Residence, 933 44th Street.

EDWARD DIEHL AGLE.
Superintendent of Shops and Instructor in Machine Tool Work.
Birthplace, Greencastle, Pennsylvania.
Residence, 635 East 41st Street.





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

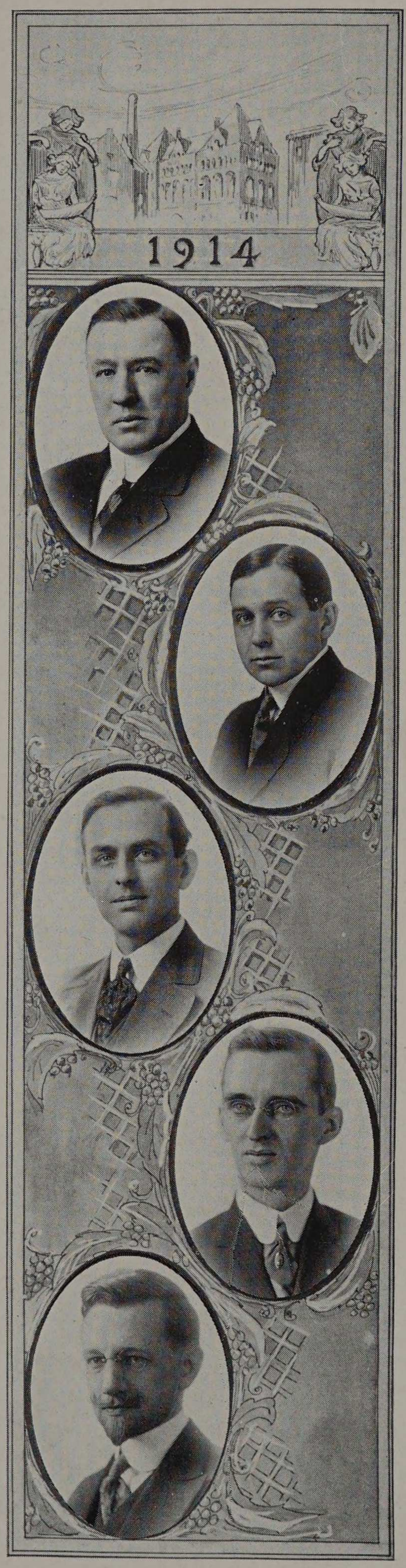
CHARLES HENRY FORNHOF.
Instructor in Machine Tool Work.
Birthplace, Chicago, Illinois.
Residence, 1255 Thorndale Avenue.

JOSEPH PATRICK KENNEDY.
Instructor in Forging.
Birthplace, Chicago, Illinois.
Residence, 6333 Marshfield Avenue.

EARL WATSON MCMULLEN. *
Instructor in Industrial Chemistry.
Birthplace, Picton, Ontario, Canada.
B. S. Armour Institute of Technology, 1909.
Tau Beta Pi, Omega Lambda.
Member of the American Chemical Society.
Author of "New Method of Sugar Manufacture," and "Methods of Analysis."
Research Work on "Manufacture of Sugar from Dried Sugar Cane" and "Wax and Other By-Products from Bagasse."
Residence, 3430 Michigan Avenue.

JOHN CORNELIUS PENN.
Instructor in Civil Engineering.
Birthplace, Wetering, Netherlands.
B. S., Armour Institute of Technology, 1905; C. E., 1910.
Tau Beta Pi, Omega Lambda.
Associate Member Western Society of Engineers.
Residence, 11344 Eggleston Avenue.

* Resigned January 24th, 1914.



CHARLES LARSEN.
Instructor in Founding.
Birthplace, Chicago, Illinois.
Residence, 1101 North Humboldt Street.

HARRIE BRIDGMAN PULSIFER.
Instructor in Metallurgy.
Birthplace, Lebanon, New Hampshire.
S. B., Massachusetts Institute of Technology, 1903.
Member of American Institute of Mining Engineers; American Chemical Society; American Association for the Advancement of Science.
Residence, 511 East 33rd Street.

DANIEL ROESCH.
Instructor in Experimental Engineering.
Birthplace, Aurora, Illinois.
B. S., Armour Institute of Technology, 1898; M. E., 1908.
Tau Beta Pi, Beta Phi.
Member of American Society for Testing Materials; American Gas Institute; Natural Gas Association of America.
Residence, 7454 Stewart Avenue.

CHARLES R. SWINEFORD.
Instructor in Descriptive Geometry.
Birthplace, Van Wert, Ohio.
B. S., University of Michigan, 1904; M. E., 1907.
Instructor, University of Michigan, 1907-1908.
Residence, 6408 Ingleside Avenue.

JOHN FRANK ALTER.
Instructor in Architectural Drawing.
Birthplace, Austria.
S. B., Massachusetts Institute of Technology, 1911; M. S., 1912.
Residence, 233 East Huron Street.



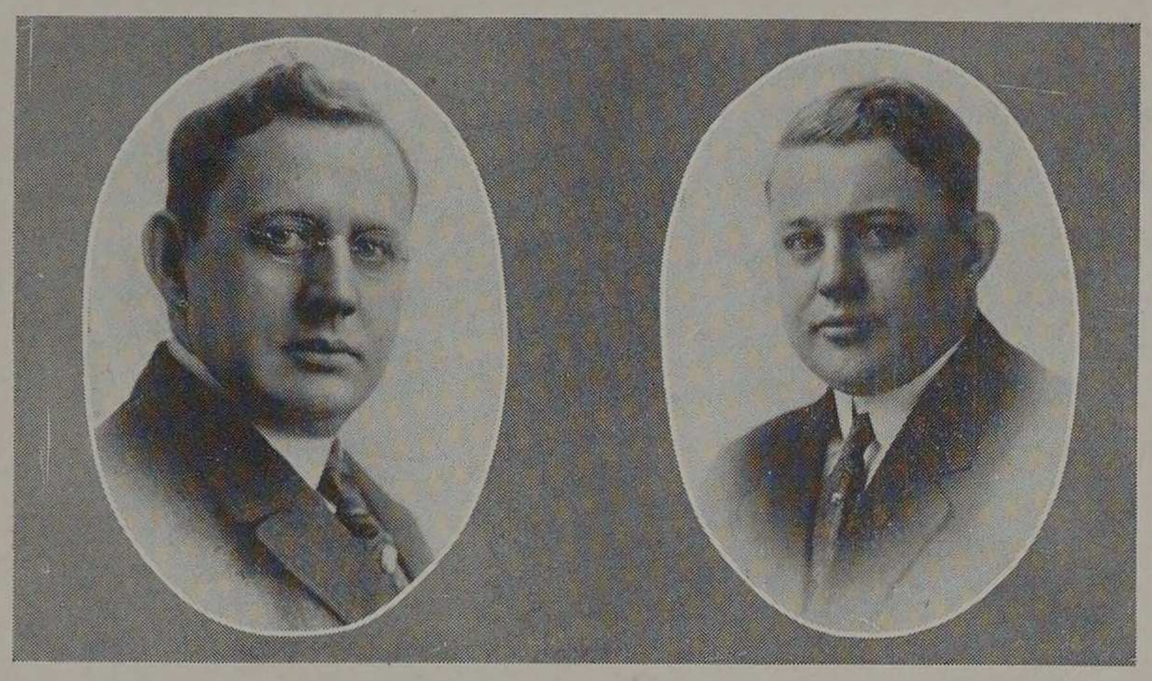
JOHN J. GILBERT.
Instructor in Electrical Engineering.
Birthplace, Philadelphia, Pennsylvania.
A. B., University of Pennsylvania, 1909.
Sigma Kappa Delta, Sigma Xi, Gamma Alpha.
Residence, 5731 Kenwood Avenue.

ALBERT H. KREHBIEL.
Instructor in Freehand Drawing.
Birthplace, Iowa.
Bethel College. Studied at the Art Institute and in Paris.
Member of Various Art Societies.
Residence, Park Ridge, Illinois.

GEORGE C. WILSNACK.
Instructor in Industrial Chemistry.
Birthplace, Berlin, Germany.
B. S., Armour Institute of Technology, 1908; Ch. E., 1912.
Residence, 6920 Carpenter Street.

CHARLES H. ALLING.
Lecturer on Business Law.
Birthplace, Madison, Indiana.
A. B., Hanover College, 1885; A. M., 1899; L.L. B., University of Michigan, 1888.
Sigma Chi.
Member of Union League and University Clubs; Indiana Society of Chicago.
Author of Articles on "Wastes" in American and English Encyclopedia of Law.
Editor of Sigma Chi Quarterly, 1890 to 1905.
Attorney for Illinois State Board of Health since 1907.
Alderman of Second Ward, 1897 to 1905.
Residence, 319 East 22nd Street.

THOMAS EDDY TALLMADGE.
Lecturer on History of Architecture.
Birthplace, Washington, D. C.
S. B., Massachusetts Institute of Technology, 1898.
Phi Beta Epsilon.
Member of Illinois Chapter American Institute of Architects.
Winner of Travelling Scholarship, Chicago Architectural Club, 1904.
Residence, University Club, Evanston, Illinois.

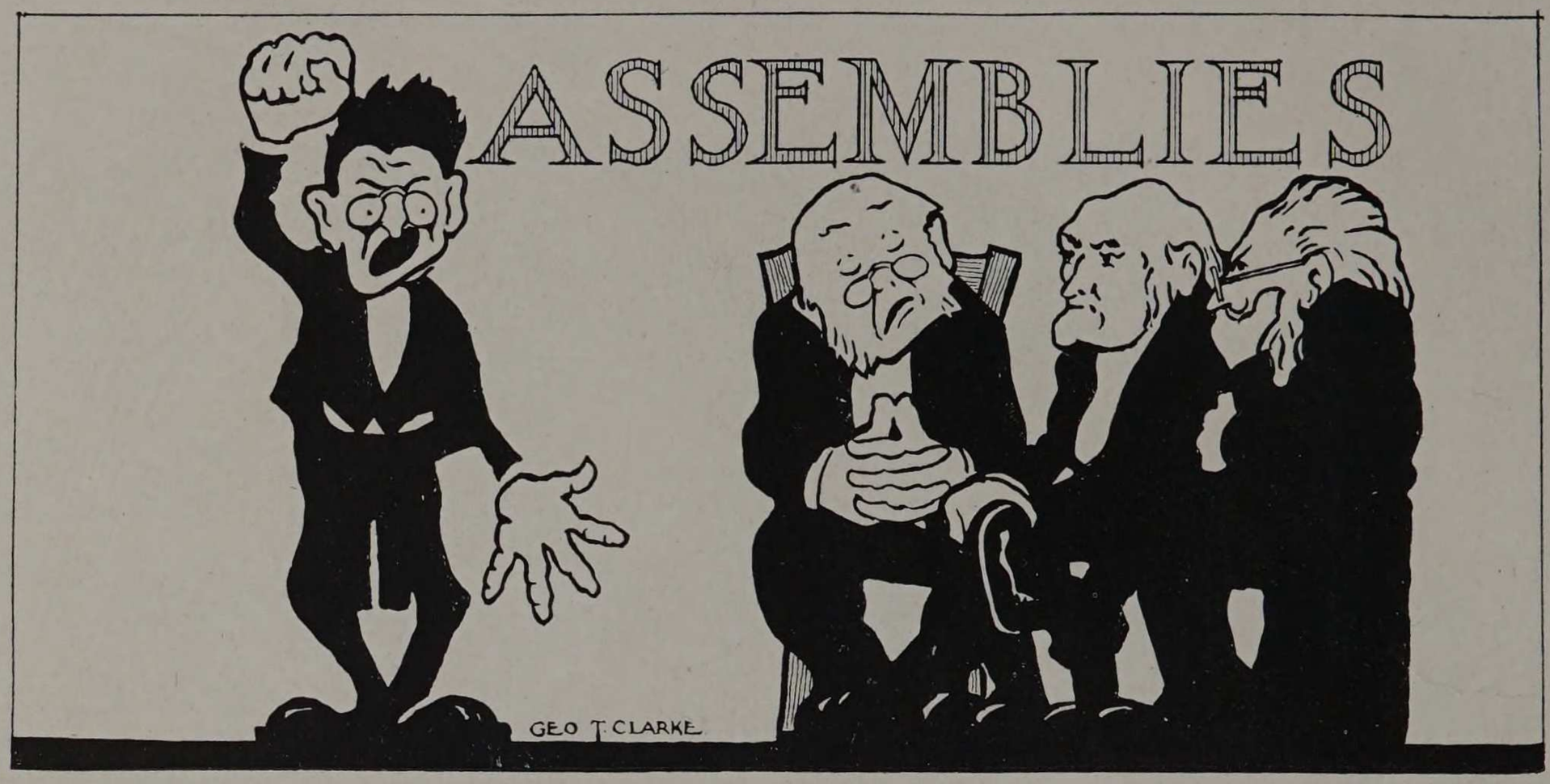


CHARLES E. STRIDIRON
Secretary to the President

GEORGE SINCLAIR ALLISON
Registrar

Assistants

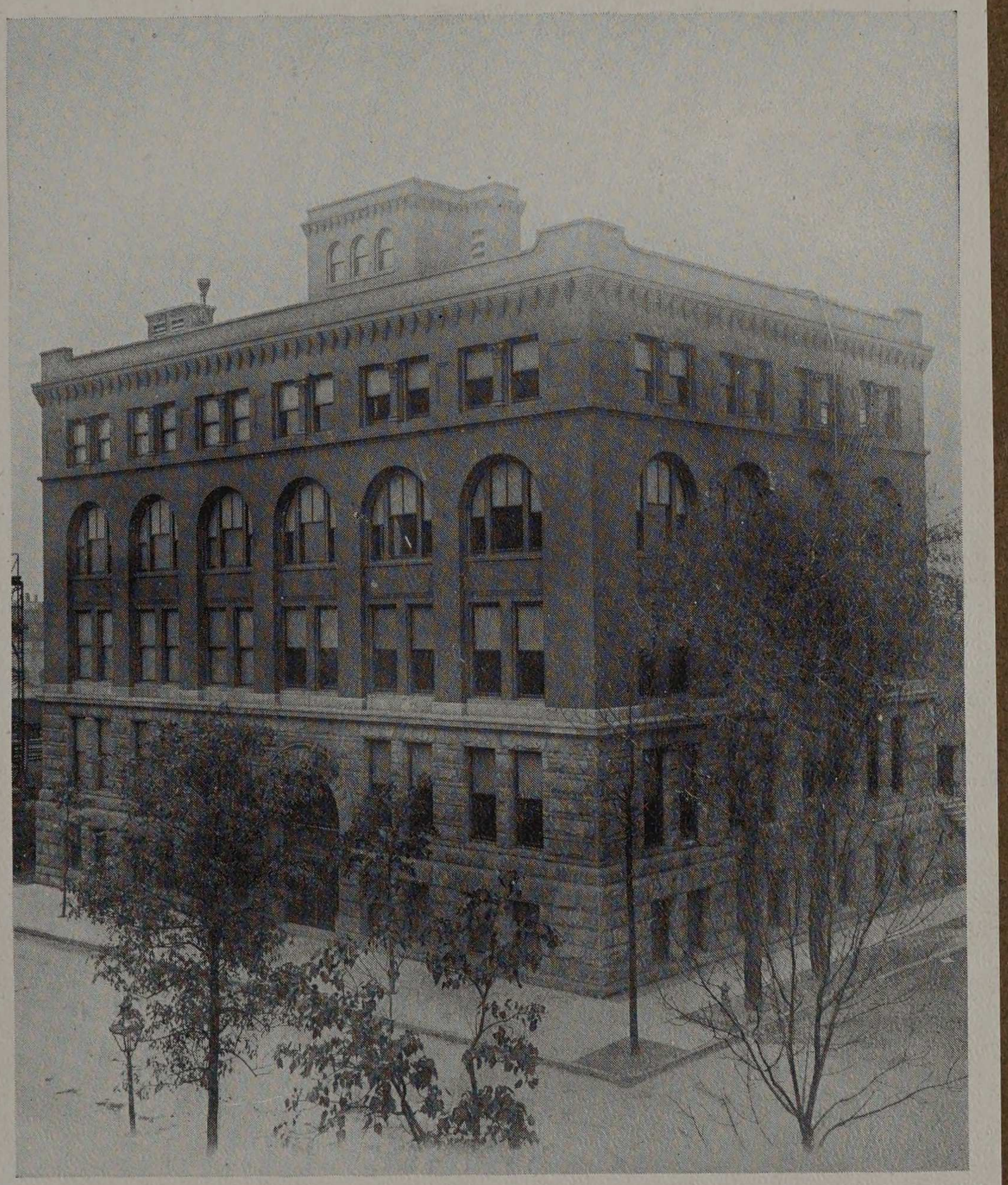
Record Clerk	MISS JANE L. FORREST
Assistant to Librarian	MISS GERTRUDE VEBLEN
Assistant in Registrar's Office	CHARLES NISBET
Assistant to Registrar	MISS EMMA J. TURCK
Stenographer in Office of Comptroller	MISS E. B. BLACK
Assistant in Gymnasium	A. R. LYDEN
Second Assistant in Gymnasium	H. J. SPRINGER
Curator of Chemical Laboratories	ALFRED E. DEAN
Assistant to Curator	FRANK P. PALMER
Assistant in the Office of the Deans	ERNEST KELLY
Stenographer in Mechanical Department	J. T. GILPIN
Stenographer in Electrical and Chemical Departments	G. KESKE
Chief Engineer of Power Plant	JOHN ALLEN
Assistant Engineer	JAMES NOLAN
Chief Electrician	P. A. BLANCHARD
Mechanician	LOUIS A. FALK
Mechanician	R. L. WEISNER
Assistant in Mechanical Laboratories	A. J. DEW
Assistant in Mechanical Laboratories	WILLIAM SMITH
Assistant in Foundry	CHESTER E. DAVIS
Assistant in Pattern Shop	H. E. MAXWELL
Assistant in Forge Shop	M. MALONEY
Assistant in Electrical Laboratories	ALFRED H. FALK



Sept. 9, 1913—Professor Koch . "*A Midsummer Night's Dream*"
Sept. 10, 1913—Professor Koch . . "*Hamlet, Prince of Denmark*"
Sept. 11, 1913—Professor Koch . . . "*Romeo and Juliet*"
Sept. 12, 1913—Professor Koch . . "*The Taming of the Shrew*"
Sept. 23, 1913—Address by Dr. F. W. Gunsaulus
Nov. 13, 1913—Mr. Kent . . "*Lincoln and Gettysburg Fifty Years After*"
Bishop Cheney . . "*Lincoln's Gettysburg Address*"
Jan. 15, 1914—Miss Priscilla Carver, *Pianist*
Mr. Thomas Lewis, *Baritone*
Feb. 13, 1914—Dr. F. W. Gunsaulus . . . "*Color Photography*"
April 23, 1914—Dr. F. W. Gunsaulus . . . . . "*Shakespeare*"



THE CLASSES



BOOK TWO



SENIOR



Seniors

Colors

Maroon and White

Yell

Hullaballoo Ballaballore 1–9–1–4 !
Hullaballoo Ballaballore 1–9–1–4 ! Armour!



B. S. in M. E.

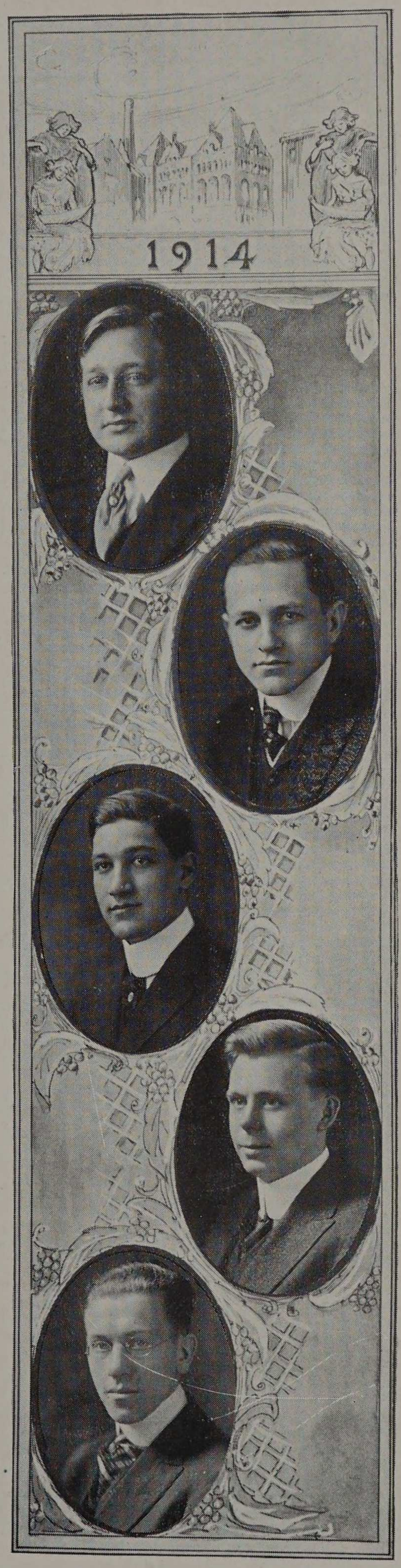
EDWARD E. MENKE
Influence of Valve Setting on Power and Efficiency of a 25 H. P. I. H. C. Gasoline Engine.
Born June 12, 1891 at Michigan City, Indiana.
Curtis High School, Chicago, '10.
Beta Phi; Sphinx (Secretary and Treasurer '12, '14); A. S. M. E. (Vice-President); Rooters Board (Vice-President and Treasurer '13-'14); Editor Armour Engineer, '13-'14.
Menke's exceptional talents are reflected in the honors he has earned and the responsible technical positions he has held. This star of '14's mechanicals is Engineer Editor, Booster and Gentleman.

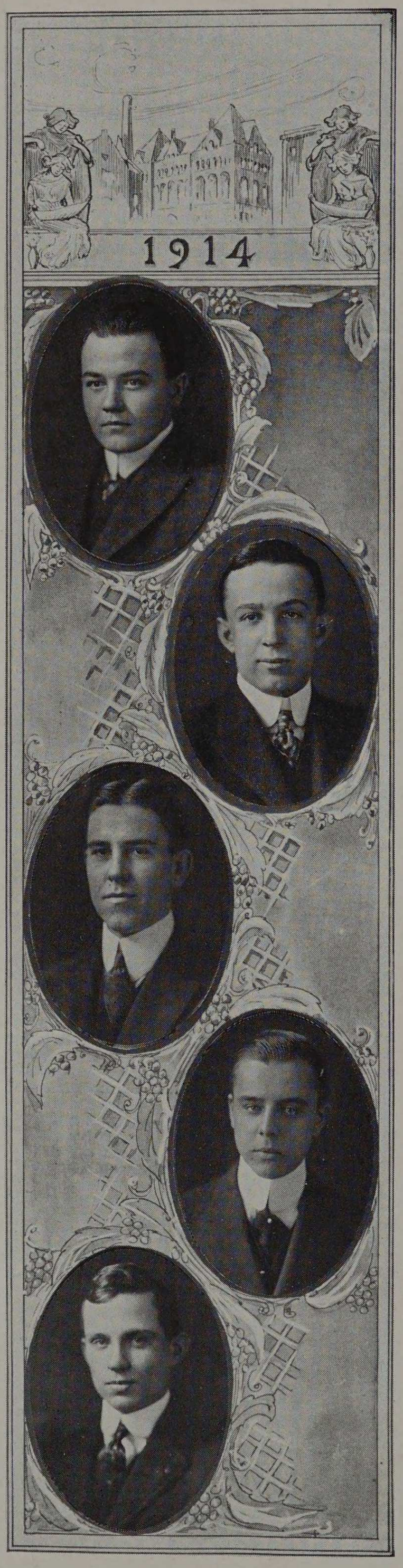
FRED LUCIUS BREWER, JR.
Born December 12, 1892 at Chicago, Illinois.
Armour Scientific Academy, '10.
Phi Kappa Sigma; Radical X; A. S. M. E. (President elect); Y. M. C. A.; Mandolin Club '12; Freshman Cheerleader; Social Committee '13-'14 (Chairman '14), Year Book Committee; Cycle Representative '13; Rooters Board '13-'14 (President,'14, Chairman Song Contest Committee).
Fred has always kept well to the front in Armour activities. He is the possessor of a host of friends and is the "right" sort of fellow.

ALBERT N. KOCH
Design and Construction of an Absorption Dynamometer for Automobile Chassis.
Born January 11, 1894, at Chicago, Illinois.
St. Ignatius Loyola '10.
Delta Tau Delta; Tau Beta Pi; Radical X; A. S. M. E. (Secretary).
"Coke" is one of the bright and shining north side mechanicals. "Al" may seem quiet, but oh my, after you know him he's so different. From the title of his thesis, he will doubtless make an ideal "Shuf-fer," but we wish him greater success.

HARRY ELMER ERICKSON
Installation and Operation of a 100 H. P. Sprague Electric Dynamometer, including a Test of a 4-Cylinder Tee-Head Tutor Motor.
Born December 21, 1892, at Cleveland, Ohio.
Lake High School, '09½.
Tau Beta Pi; Y. M. C. A.; Class Baseball '12-'14; Financial Committee '13-'14; A. S. M. E. (President).
Harry is one of the successful hard workers of the class, noted among other things for having built a gas engine that actually ran.

HARRY HIMELBLAU
Power and Efficiency Tests of a Small Gasoline-Electric Set.
Born May 20, 1892, at Waverly, Iowa.
Crane Technical High School, '10.
Beta Phi; A. S. M. E.; Y. M. C. A.
Grand Opera and Gas Engines are rivals in Harry's affections. That he knows both thoroughly is characteristic of the man. He is one of the sort worth knowing, and possesses a host of friends.





B. S. in M. E.

WILLIAM HENRY GOETZ
Design and Construction of an Absorption Dynamometer for Automobile Chassis.
Born March 21, 1892, at Chicago, Illinois.
Lake View High School, Chicago, '10.
Tau Beta Pi; A. S. M. E.; Y. M. C. A.
Bill says that there is a place in his father's business waiting for him, but he will not take it if anything else turns up. This independent attitude is characteristic of him, and should spell success.

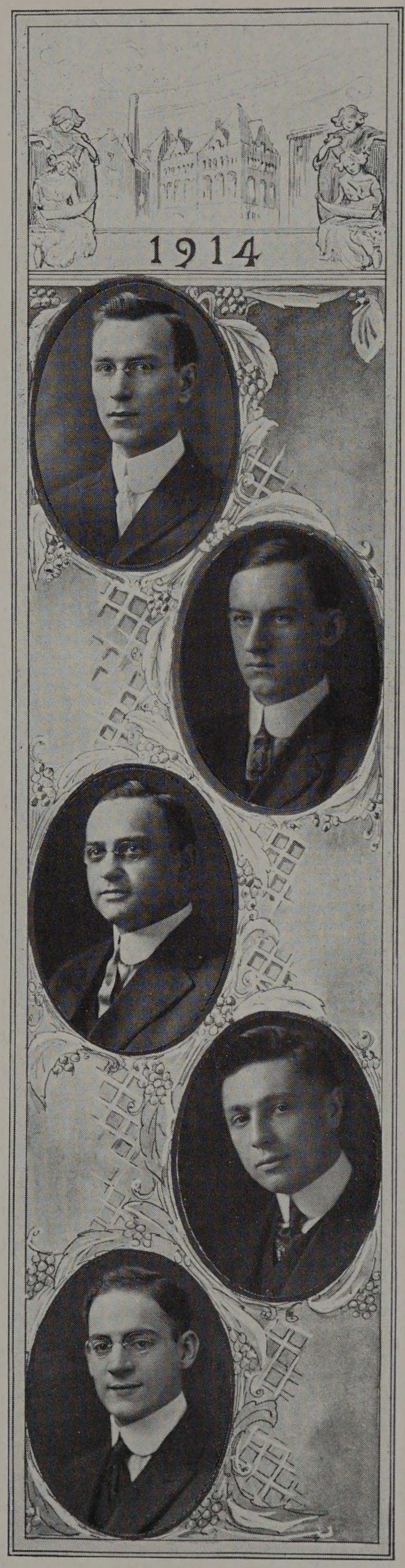
HAROLD D. GUMPPER
Installation of Sprague Dynamometer and Test of Tutor Gasoline Engine.
Born June 26, 1892, at Fort Wayne, Indiana.
Armour Scientific Academy '10; Fort Wayne High School; Winona College.
Phi Kappa Sigma; Radical X.; A. S. M. E.; Y. M. C. A.; Mandolin Club '11; Social Committee '11-'14; Financial Committee '12.
Acquaintance with Harold changes the first impression of quietness. He is a staunch supporter of college activities and is one of our social lions.

GILBERT STANLEY COOLEY
Test of a Three Ton, York Ice Plant.
Born November 3, 1891, at Aurora, Illinois.
Lyons Township High School, '10. University of Wisconsin.
A. S. M. E.
It does not take long for a good man to be felt. Cooley has been with us but a short time, but his quiet, unassuming ways have earned him many friends.

OSCAR GOETZ
Influence of Valve Setting on Power and Efficiency of a 25-H. P. I. H. C. Gasoline Engine.
Born April 11, 1893, at Chicago, Illinois.
Lane Technical High School, '10.
Beta Phi; A. S. M. E.
Goetz is one of the quiet type that believes in doing things well. Although his evenings are mainly devoted to accumulating souvenirs of U. S. mintage, those who know can tell many tales of his social prowess.

LESLIE CARL MEYER
Design and Construction of an Absorption Dynamometer for Automobile Chassis.
Born October 22, 1892, at Barrington, Illinois.
Oak Park and River Forest Township High School, '10.
Tau Beta Pi; Y. M. C. A.; A. S. M. E. (Treasurer).
"Elsie" sometimes takes a long time saying things, but is ambitious nevertheless. He is reported to share "Coke's" aspirations to a chauffeur's job.

B. S. in E. E.



CLARENCE L. WETZEL
Design of a Steam Turbo-Electric Power Plant.
Born September 30, 1889, at Plymouth, Missouri.
Braymer (Mo.) High School,'07.
Eta Kappa Nu; A. I. E. E.
Wetzel is a quiet reserved chap, but withal the kind of a man one likes to call a friend. His modesty has prevented his receiving due appreciation, but recently he broke his dignified silence and wrote a remarkable illustrated article about mountains.

MELVILLE V. STECHER
Design of Steam Turbo-Electric Power Plant.
Born January 24, 1892, at Elgin, Illinois.
Evanston Township High School (two years), Boone (Ia.) High School,'09.
A. I. E. E.
Stecher has acquired his education in five different towns. In spite of a semester's handicap in starting, he has kept abreast of '14—an indication of his seriousness of purpose.

JOSEPH A. PASKIEWICZ
Design of the Peoria-Galesburg Electric Railway.
Born August 3, 1886, at Chicago, Illinois.
St. Stanislaus' College,'06. Armour Scientific Academy, '07.
A. I. E. E.; Y. M. C. A.
Paskiewicz believes in study, but does not think it necessary to be a "sobersides" for that reason. He has preserved his cheerfulness all thru his academy and college course.

EUGENE C. LANG
Conversion of Elgin and Belvidere Railway from a 600-volt to a 1200-volt System.
Born July 31, 1894, at Chicago, Illinois.
Armour Scientific Academy,'10.
Delta Tau Delta; Eta Kappa Nu; A. I. E. E.; Class Baseball, '10.
"Lang's" hobby is railroads, and on that subject he is always ready to talk, argue and instruct. He attends all the dances and always has the same companion.

JAMES W. COHN
Comparative Test of Modern Incandescent Lamps with Reflectors, by Diffusion Methods.
Born June 15, 1890, at Chicago, Illinois.
Medill High School, Chicago,'09.
Beta Phi; A. I. E. E.; Y. M. C. A.
James is determined to throw some light on the subject of illumination, and will doubtless succeed, as a matter of habit. A bad automobile accident last summer failed to stop his scholastic progress.—No, he was not joy riding, but demonstrating the car.



B. S. in E. E.

ROBERT W. WHITMORE
Electrification, Milwaukee Division, Chicago & North-Western Railway.
Born March 26, 1890, at South Milwaukee, Wisconsin.
South Milwaukee High School,'10.
Eta Kappa Nu; Sphinx; A. I. E. E.; Y. M. C. A.; Managing Editor Armour Engineer,'13-'14.
"Whit" is a busy man, but that fact could never be learned by superficial means. He is a quiet chap who believes that noise, in a man as well as in an engine, is apt to indicate inefficiency.

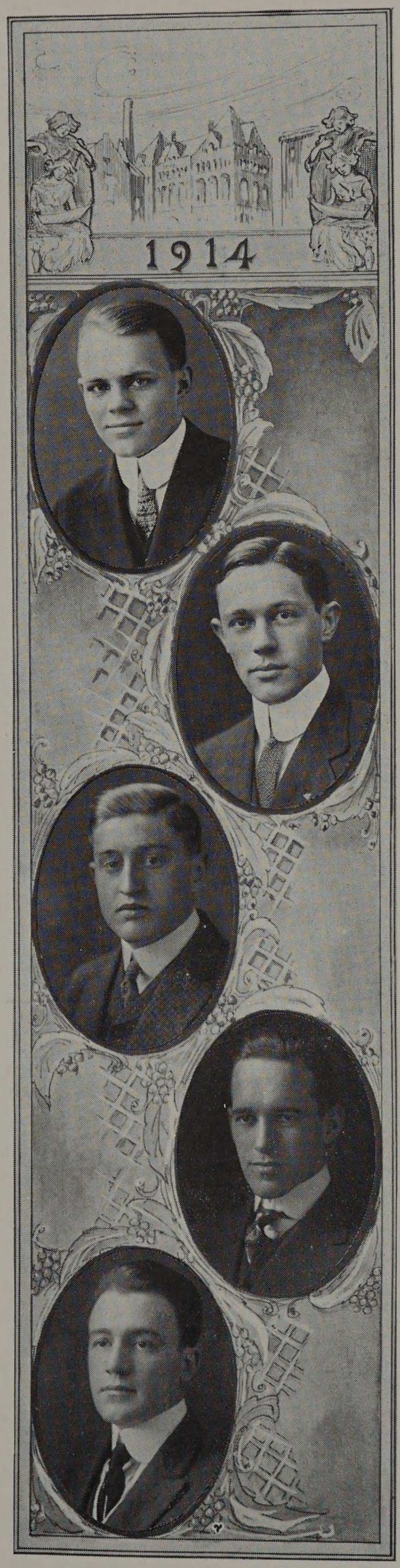
WILLIAM C. DUMKE
Measurement of Capacity in Transmission Line.
Born August 10, 1891, at Chicago, Illinois.
Lake High School, Chicago, '10½.
A. I. E. E.; Y. M. C. A.; Armour Track '12-'14; Class Track '13-'14.
Dumke started in February, 1911, with the determination to graduate with the '14 class. That he has succeeded is to his eternal credit, especially in view of the time he has spent as a member of the track team.

RICHARD M. HEIM
Measurement of Capacity of Transmission Lines.
Born February 4, 1895, at Hinsdale, Illinois.
Armour Scientific Academy,'10.
A. I. E. E.; Y. M. C. A.
Did you notice the date of birth? Think of graduating from Armour at the age of nineteen. And as if that were not enough, he plays three musical instruments, particularly the piano, a fact to which many will gladly testify.

JOHN R. CHARLTON
A Study of A. C. Networks Containing Variable Resistance.
Born January 27, 1892, at South Kaukauna, Wisconsin.
Austin High School, Chicago, '10.
Eta Kappa Nu; Y. M. C. A.; A. I. E. E.
"Ward boss" Charlton is famous for his political appearance at A. I. E. E. Meetings. His questions on such occasions are, however, genuine thought producers.

CHARLES H. SWARTZ
Comparative Test of Modern Incandescent Lamps with Reflectors, by Diffusion Methods.
Born February 5, 1892, at Baltimore, Maryland.
Armour Scientific Academy,'10.
Beta Phi; A. I. E. E.
Charley's smile is the kind that warms up the surrounding territory. That cheerfulness and a bountiful supply of common sense combine into a most pleasing personality is proved by making Swartz's acquaintance.

B. S. in E. E.



EDWARD L. NELSON
A study of A. C. Networks with Variable Resistance.
Networks Variable Resistance.
Born March 10, 1891, at Warsaw, Indiana.
Hyde Park High School, Chicago, '09.
Tau Beta Pi; Eta Kappa Nu; Y. M. C. A.; A. I. E. E. (Chairman).
Edward is said to be one of the few men in the class who let the fair sex alone, but as a man and a prospective engineer, he is near the top of the list. He is leader of the electricals in more ways than one, and well known around college as a student.

JOHN W. TURNER
Conversion of Elgin and Belvidere Railway from 600 to 1200 volt System.
Born June 10, 1893, at Sioux City, Iowa.
Armour Scientific Academy, '10.
Tau Beta Pi; Eta Kappa Nu; Sigma Kappa Delta; A. I. E. E.; Y. M. C. A. (Recording Secretary '12-'13, Department Secretary '13-'14).
John was a kid in short trousers when he entered college, but just look at him now, a member of three fraternities and "king" of the Y. M. C. A., which is certainly a man's job. With his enthusiasm and ability, he is sure to make good as an E. E.

ARTHUR F. SCHOEMBS
Electrification, Milwaukee Division, Chicago & North-Western Railway.
Born October 2, 1891, at Cairo, Illinois.
Cairo (Ill.) High School, '10.
Eta Kappa Nu; A. I. E. E. (Treasurer).
Schoembs is the financial pilot of the electricals. This downstater still carries some of his southern drawl, but there is nothing slow about him in other ways.

THOMAS CORNISH BOLTON
Conversion of the Elgin and Belvidere Railway from 600 to 1200 volt System.
Born January 22, 1892, at Sioux City, Iowa.
Sioux City (Ia.) High School, '10.
Delta Tau Delta; Eta Kappa Nu; Radical X; A. I. E. E. (Secretary); Armour Track '11.
Some men acquire fame in one thing, some in others. Bolton's reputation as terpischorean expert and social devotee is firmly established.

FRANCISCO FERNANDEZ-MAREQUE
Electrification of the Milwaukee Division of the Chicago & Northwestern Railway.
Born January 21, 1887, at Asuncion, Paraguay.
Buenos Ayres National College, Buenos Ayres, Argentine Republic, A. B. '07.
Tau Beta Pi; Eta Kappa Nu; A. I. E. E.
We are quite used to having men come to Armour from all corners of the earth, but it is indeed a novelty to have a real nobleman with us. One only has to know Fernandez to believe the saying "Blood will tell."



B. S. in E. E.

HARRY L. CASE
Electrification of Milwaukee Division, Chicago & Northwestern Railway.
Born November 8, 1889, at Chicago, Illinois.
Wendell Phillips High School, Chicago, '10.
Eta Kappa Nu; A. I. E. E.
"Pa" Case has aroused considerable interest among his fellow electricals by "settling down" quite recently. What is it, "Pa," the matrimonial bug?

FRANK A. SWANSON
Design of a Steam-Turbo-Electric Power Plant.
Born November 3, 1882, at Wexia, Sweden.
Central Y. M. C. A., Chicago; Armour Scientific Academy.
Eta Kappa Nu; Y. M. C. A.; A. I. E. E.
Swanson is one of those quiet, serious men who know just what they want and go after it. Anything such a man tackles is sure to be a success, hence we are willing to risk the prophecy that Swanson will be heard from in the electrical world.

E. LOUIS HOFFMAN
Design of Peoria & Galesburg Electric Railway.
Born August 24, 1892, at Peoria, Illinois.
Curtis High School, Chicago, '09.
A. I. E. E.; Y. M. C. A.; Class Basketball '09-'10, '11, '12. (Champions).
Electric railways and class basketball have been Hoffman's hobbies. The mighty class of '13 lost him and '14 acquired him when ill health forced him into educational idleness for a year.

B. S. in C. E.

JOHN MURRAY EMSLIE
Design of Sewage Disposal Plant for Waukegan, Illinois.
Born December 5, 1892, at Chicago, Illinois.
Wendell Phillips High School, Chicago, '10.
"A" Club; Y. M. C. A.; Class Basketball '10-'14; Class Baseball '11-'14; College Basketball '10-'12; Social Committee '10-'14; Class Basketball Manager '12-'13.
John will make good through his ability to pick out the right job. Just look at his record, four years on the social committee, the only paying position there is in class organization. However, "Dink" has lots of ability and "pep" to help along.

WALTER H. HALLSTEIN
Making and Testing of Reinforced 10′x12″ Concrete Columns.
Born May 15, 1890, at Chicago, Illinois.
Lane Technical High School, Chicago, '10.
Delta Tau Delta; Radical X; A. C. E. S.; Y. M. C. A.; "A" Club (Secretary and Treasurer); College Basketball '11; College Track '12-'14 (Captain '14); Manager College Baseball '12; Class Basketball '12-'14 (Manager '12-'14); Class Track '13-'14; Captain Civil Relay Team, '13; Class Treasurer '11, '12; Assistant Business Manager Cycle '13; Social Committee '14.
Walter has been an exceptionally busy man in athletics and a good student as well. "Dutch" is a mighty active member of the class, and very well liked by all.

B. S. in C. E.

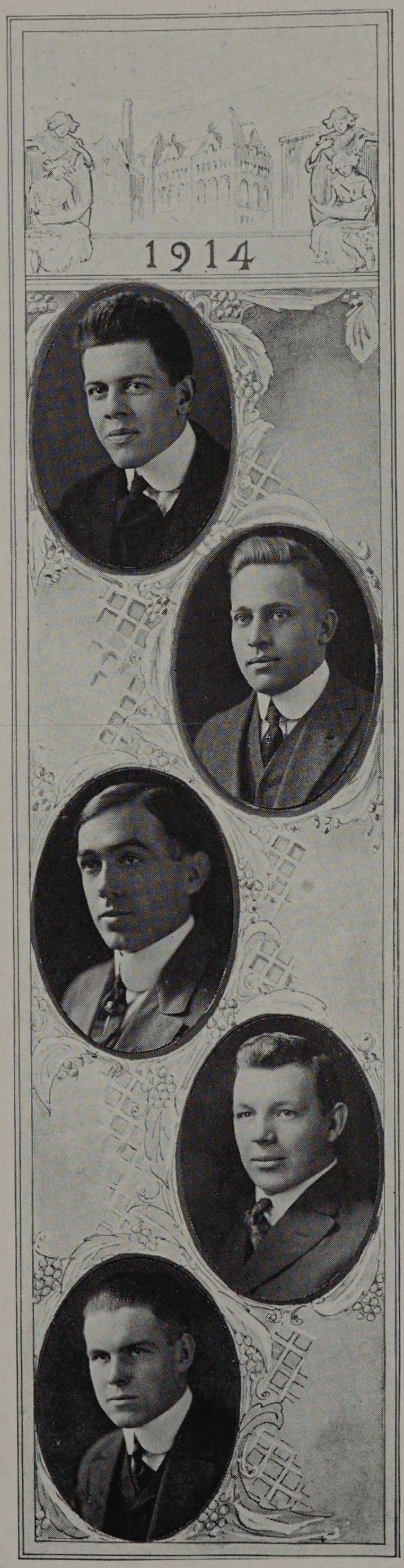
PHILIP FENTON AUER
Design of Sewage Disposal Plant at Waukegan, Illinois.
Born November 6, 1892, at Chicago, Illinois.
Fort Worth High School, ('07-'09); Armour Scientific Academy,'10.
Tau Beta Pi; Phi Kappa Sigma; Radical X; A. C. E. S.; Y. M. C. A.; Class Baseball '12-'14; Social Committee '11-'12; Class Representative Cycle '13; Chairman Freshman Smoker Committee '14.
Fenton is the kind of man whom we like to consider typical of Armour, a man who is equally at home in a construction camp and in a drawing room, a gentleman and a real man.

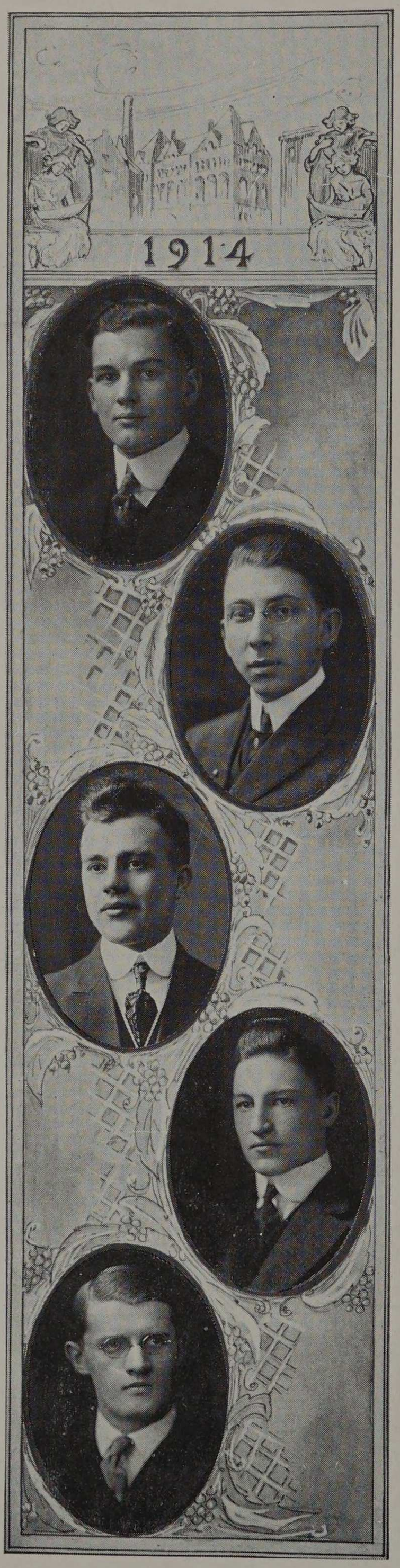
CARL L. BOETTER
Tests on Reinforced Concrete Columns.
Born October 28, 1891, at Milwaukee, Wisconsin.
Lake Technical, High School Chicago,'10.
A. C. E. S.; Y. M. C. A. (President), '13; Class Baseball '10-'12; Class Basketball, '12-'13.
"Gaby" Boetter is well known as president of the Y. M. C. A., in which position he did notable work, and also as the star guard on the class basketball team. But beyond this he is a hard worker and a good student.

MATTHEW JOHN FLEMING
Street Pavement for Rushville, Illinois.
Born November 7, 1889, at Wilmot, Wisconsin.
Holdrege High School, '09.
Tau Beta Pi; A. C. E. S. (Cor. Sec.); Y. M. C. A.
"Matt" seems able to understand and enjoy anything he tackles; for instance, he studies and actually seems to enjoy alternating currents. "Pod" is also a regular tango shark and seldom lets a week pass without several night's practice.

ARTHUR A. HEEREN
Design of Water Power Installation at Duck Creek Chain of the Rock Island Rapids of the Mississippi River.
Born January, 1893, at Chicago, Illinois.
Englewood High School, Chicago,'10.
A. C. E. S.
"Art" should make a good engineer as he is well fitted for the profession in all ways. His husky frame will stand all hardships easily and his disposition will keep work from becoming too hard and tedious.

CHARLES ABBOTT DEAN
Design of Sewer System for the City of Rushville, Illinois.
Born July 27, 1892, at Chicago, Illinois.
Armour Scientific Academy, '10.
Delta Tau Delta; Tau Beta Pi.; Radical X; A. C. E. S. Vice-President; Y. M. C. A.; Class Vice-President,'10-11.
"Ches" is one of the leaders of the Civils and invariably has his work in a little ahead of the time set but absolutely refuses to take any credit for extra ability. "Ches" is also a regular attendant at all dances and other social functions.





B. S. in C. E.

WALTER MAX EHRLICH
Proposed Hydro-Electrical Development on the Columbia River at the Dalles, Oregon.
Born December 22, 1892, at Denver, Colorado.
Lake High School, Chicago,'10.
Omega Lambda; Tau Beta Pi.; A. C. E. S. Chairman; Pin Committee.
Walter is quite an efficient chap; always ready for whatever comes up, be it work or play. His good nature and unfailing spirit have won him many friends. The same or other qualities seem to appeal to the ladies, for his acquaintance is very wide.

MEYER S. WILLENS
Design of Mechanical Filtration Plant for Waukegan, Wisconsin.
Born January 22, 1893, at Chicago, Illinois.
Medill High School, Chicago,'08.
A. C. E. S.; Y. M. C. A.
Willens is always ready to lend a willing ear to questions and dispense accurate information. He is another of the working through college kind and an excellent student withal.

HERBERT EGAN JEDAMSKE
Street Pavement for Rushville, Illinois.
Born October 30, 1891, at Chicago, Illinois.
Tuley High School, Chicago,'10.
Tau Beta Pi; Y. M. C. A.; Class Secretary, '12-'14.
Herbert is most accurately described by frequent use of the words, highest and best. His record in scholarship is of the highest and his work as a draughtsman is of the best of the class and will be hard to surpass. As a man, "Jeddy" has plenty of good fellowship and grit and is very well liked by all. "Jeddy" is also about the best fusser and dancer in the class.

STEPHEN PILLSBURY WALKER
Design of a Sewage Plant for Waukegan, Wisconsin.
Born March 19, 1891, at Milwaukee, Wisconsin.
Sioux Falls High School, '10.
Phi Kappa Sigma; Tau Beta Pi; A. C. E. S.; Y. M. C. A.; Class Treasurer, '12-'14.
Steve was originally noted as a good student only, but at the summer camp he surprised everyone by calmly appropriating the only girl in the country. That he has since increased his efficiency along this line without impairing his grades shows his metal.

JOHN C. VESELY
Design of Water Power Installation at Duck Creek Chain of the Rock Island Rapids of the Mississippi River.
Born November 5, 1891, at Chicago, Illinois.
John Marshall High School, Chicago,'09.
A. C. E. S.; Y. M. C. A.
Vesely is so quiet that one hardly knows he is present, but it is from habit rather than lack of something to say, for he is one of the best, hard working, efficient men in the class.

B. S. in C. E.

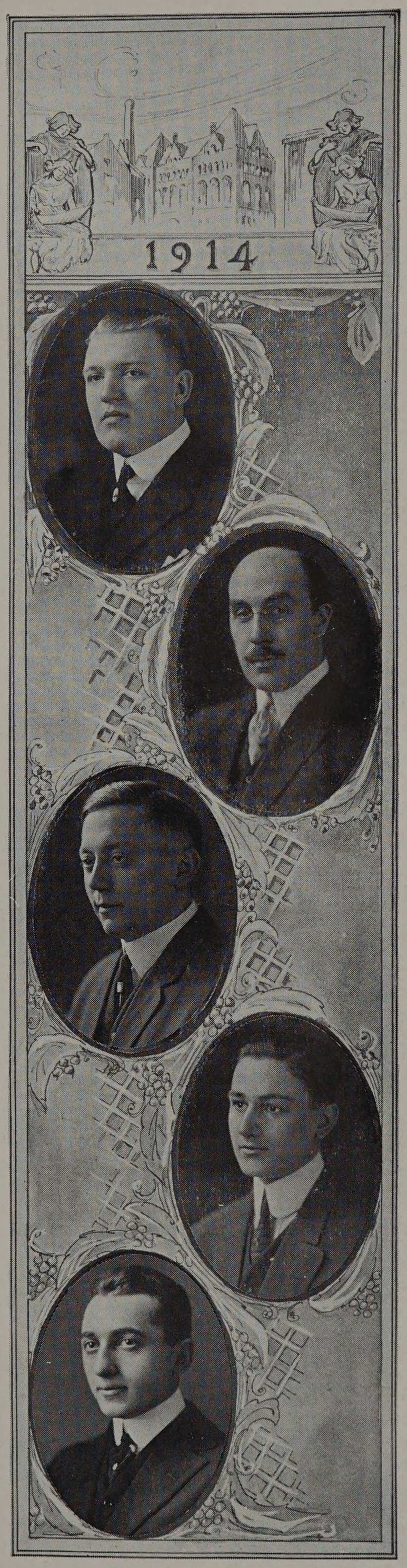
ARTHUR MOELLER
Design of a Modern Coal Yard of Concrete Construction.
Born February 20, 1891, at Chicago, Illinois.
Armour Scientific Academy, '10.
Sigma Kappa Delta; A. C. E. S.; Glee Club, '13-'14; Junior Play.
"Art" once said that if text books were only written in song form he would be at the head of the class. Be that as it may, "Art" is some songster and also some actor, and still more of an all-round good fellow whom everyone likes.

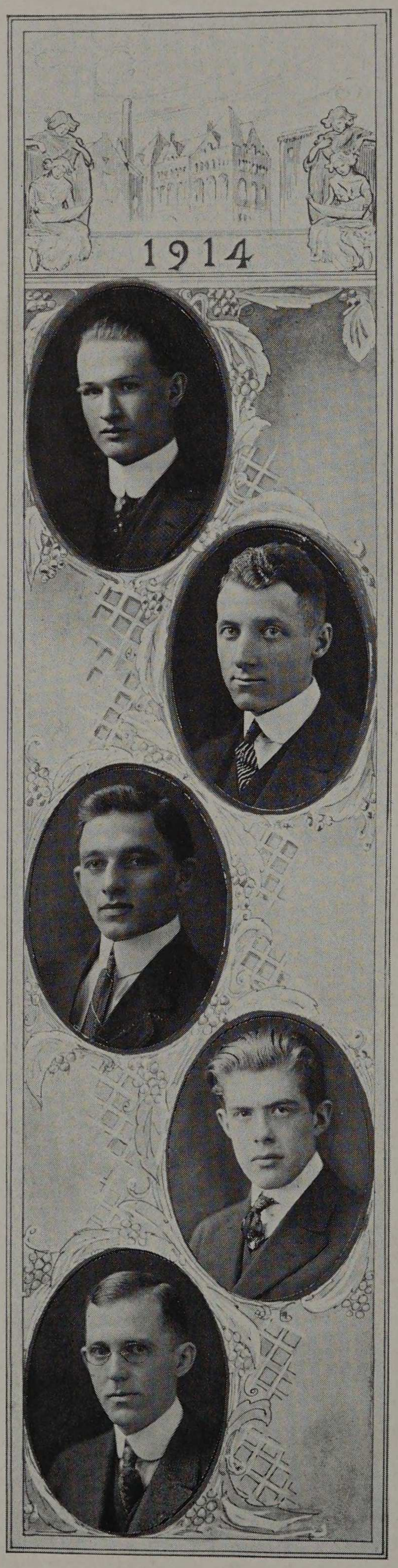
W. F. ROBERTS
Proposed Hydro-Electrical Development on the Columbia River at The Dalles, Oregon.
Born November 20, 1883, at Aylmer, Canada.
Aylmer Collegiate Institute, '99.
Roberts works nights as chief operator at the Jackson Boulevard substation of the Commonwealth Edison Co., and is married in the bargain, so he has had little time for social doings. Just wait till school is over, though, say his friends.

WILLIAM OLDENBURGER
Preliminary Project for a Water Power Installation at Duck Creek Chain of the Rock Island Rapids of the Mississippi River.
Born December 10, 1891, at Chicago, Illinois.
Armour Scientific Academy, '10.
Y. M. C. A.; Freshman Smoker Committee, '11-'12.
"Ole's" chief virtue is his skill in playing ragtime, of which he has a very extensive repertoire and with which he is usually willing to entertain the bunch.

WALTER STEININGER
Comparative Strength of Concrete Columns; Vertically vs. Vertically and Spirally Reinforced.
Born April 2, 1894, at Chicago, Illinois.
Armour Scientific Academy, '10.
A. C. E. S.; Y. M. C. A. (Dept. Sec. '12-'14); Glee Club ('12-'14); Class Basketball ('10-'14); Junior Play; A. R. A. Math. Trial.
"Steing" first made himself famous as a "snipe" hunter at the summer camp, but has since become famous for his work with the Y. M. C. A. and in the Junior Play. He is made of the stuff that makes good.

ISRAEL M. SEVIN
Design of a Rapid Sand Filtration Plant for Waukegan, Wisconsin.
Born September 8, 1892, at Chicago, Illinois.
McKinley High School, Chicago, '10.
A, C. E. S.; Class Baseball, '11-'13; Civil Relay Team, '13.
Sevin is a very musical man as shown by the fact that besides being official "piano man" for the civils and winner of second prize in the song contest, he has composed and written a musical comedy, soon to be produced.





B. S. in C. E.

JOEL POMERENE
Street Pavement for Rushville, Illinois.
Born February 16, 1893, at Mount Hope, Ohio.
Lake View High School, Chicago, '10.
Tau Beta Pi; A. C. E. S.; Treas.; Y. M. C. A.; Fulcrum Staff, '13-'14; CYCLE Staff, '14; Sphinx.
A most efficient person, Pomerene, always tending quietly to business, yet taking a wholesome interest in his surroundings. Joel is modest, but he has not been able to dodge the brand of a good student and good fellow—hence his many friends.

HAROLD FLOWER SMITH
Design and Test for an Efficient End Connection for Aeroplane Guy Wires.
Born December 26, 1890, at Chicago, Illinois.
North Division High School, Chicago, '09.
Sigma Kappa Delta; Tau Beta Pi; Sphinx; A. C. E. S.; Pres. Y. M. C. A.; Associate Business Mgr. Armour Engineer, '13-'14; CYCLE Staff, '12-'13.
Harold took things easy until his Junior year when he began to do things, as the above record shows. "Zee-bar" thinks it wasted energy to carry any book home, but somehow he always stands near the head of his class.

OTTO J. SIEDENSTRANG
The Design and Estimated Weight of a Cantilever Bridge.
Born March 29, 1890, at Union, Illinois.
Marengo High School, '08.
A. C. E. S.; Y. M. C. A.
"Cedar's" chief characteristic is persistency. It is this trait, combined with his ability to make an effort, which will distinguish him in the future and enable us to hear of him again in connection with some engineering project.

LEONARD ZEMAN
The Design and Estimated Weight of a Cantilever Bridge.
Born January 8, 1893, at New York City, New York.
Wendell Phillips High School, Chicago, '10.
A. C. E. S.; Y. M. C. A.; Track, '12-'14.
Zeman recently brought honor to himself and the college by being one of ten in the country to pass a certain civil service examination. With his large capacity for work Leonard can hardly fail to win out in any line that he chooses.

JOSEPH C. NORTON
Proposed Hydro-Electric Development on the Columbia River at the Dalles, Oregon.
Born October 23, 1883, at Farmington, Illinois.
Farmington High School.
Delta Tau Delta; Tau Beta Pi; A. I. E. E.
"Joe" has worked nights for the Commonwealth Edison Co. throughout his course and yet has made Tau Beta Pi. Such a man deserves more credit than he gets and will undoubtedly be heard from later on.

B. S. in C. E.

EDGAR GROVER ZACK
Design and Test for an Efficient End Connection for Aeroplane Guy Wires.
Born July 17, 1890, at Columbus, Nebraska.
Fremont Normal School, '10.
Omega Lambda; Tau Beta Pi; Sphinx; A. C. E. S., Rec. Secretary; Nebraska Club; Business Manager Fulcrum, '13-'14.
"Ed" hails from the state of Nebraska, but nevertheless has made a good record in all branches of school life. He expects to revolutionize the laying of concrete in zero weather, soon after graduating.

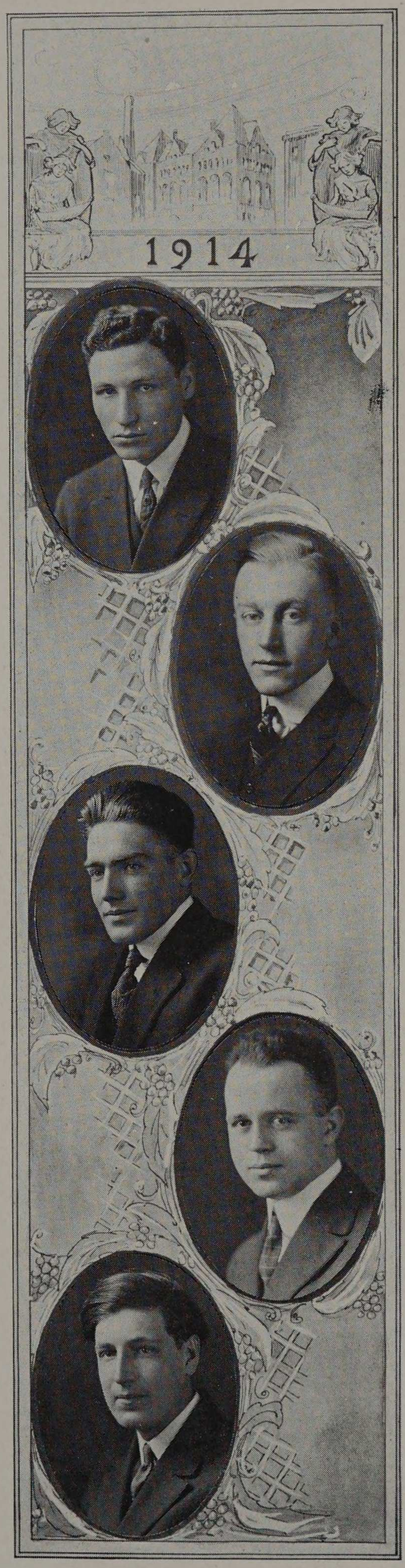
JENS A. HOLMBOE
Design and Engineer's Estimate of Cost for a Roadway Crossing a Small River Valley.
Born November 9, 1892, at Crookston, Minnesota.
Omega Lambda; A. C. E. S.; Y. M. C. A.; Mandolin Club, '11-'12.
"Jens" is a man who knows when to work. When there is need for hard work none can excell him, but otherwise he is inclined to take life easily. If he gets a hard, responsible job, watch for real results.

B. S. in Ch. E.

CLARKE C. HERITAGE
A Proposed Process for Increasing the Gasoline Fraction in Petroleum Distillation.
Born September 2, 1890, at Howard, Kansas.
Austin High School, Chicago, '08.
Phi Gamma Delta; Tau Beta Pi; Sphinx; Y. M. C. A.; Radical X; A. Ch. E. S., President; Glee Club, Leader, '13; Quartette, '12-'13; Board of Athletic Control, '14; Association of "A" Men; President of Senior Class; Rooters Board, Secretary '13, President, '14; Second Marshall Junior Week; Social Editor CYCLE and Fulcrum, '13; Commencement Marshall; Varsity Basketball, '12-'14, Captain, '13; Class Basketball, '12-'14; Skull and Chain.
Quality and versatility alone can account for the imposing character of the list of accomplishments credited to "Gus." His fellow seniors endorsed him with a hearty "well done" in electing him to lead them.

GLEN CARNAHAN
Pasteurization of Milk by the Use of Ozone.
Born November 23, 1891, at Compton, Illinois.
Dixon, Illinois, High School, '09.
Omega Lambda; A. Ch. E. S., Treasurer.
"Glen" is obtaining considerable business ability in trying to separate "those Chemicals" from their society fees. He ventures the opinion that conquering the world will be easy by comparison.

LEO FINKLESTEIN
The Filtration of Iron by Potassium Permanganate.
Born July 28, 1890, at Chicago, Illinois.
Armour Scientific Academy, '10.
A. Ch. E. S.
"Leo's" interest has been divided between chemistry and naval affairs. Chemistry has won out, however, and he is now laying plans to continue his study of that science to a successful conclusion, without a doubt.





B. S. in Ch. E.

DAVID BARNES LESSER
Heat Treatment of Certain Alloy Tool Steels.
Born July 10, 1892, at Chicago, Illinois.
Wendell Phillips High School, Chicago, '10.
Beta Phi; Sphinx; Y. M. C. A.; A. Ch. E. S.; Assistant Editor Fulcrum, '13; Humor Editor CYCLE, '13, Staff, '14; Rooter's Board; College Cheerleader, '13-'14; Class Cheer leader, '12-'14; Assistant Mgr. Tech Circus, '13.
There are few Armour organizations that have not benefitted by Lesser's willing and able efforts. College cheerleader and poet laureate is "Dave," as well as engineer and good fellow—one of the most active men in college life.

FRANK W. HOOK
A Proposed Process for Increasing the Gasoline Fraction in Petroleum Distillation.
Born September 26, 1892, at Antioch, Illinois.
Ottumwa (Iowa) High School, '10.
Sphinx; Radical X; A. Ch. E. S., Secretary; Y. M. C. A.; Glee Club, '12-'13; Junior Play; Business Manager CYCLE, '13; Business Manager Armour Engineer, '14; Senior Social Committee; Skull and Chain.
Cheerfulness and a wholesome way of taking hold of things have brought distinctions to Frank. His personality wins him friends without effort. A hale fellow and a "right" one.

LOUIS HIRSH
The Cementing Value of Bituminous Binders.
Born November 24, 1888, at Ismail, Bessarabia, Russia.
Russian High School, '06.
A. Ch. E. S.; Y. M. C. A.; Mandolin Club, '12; Junior Play.
"Pa" Hirsh recently announced the arrival of Hirsh, Jr., Armour, No. 35. He is receiving his degree after only five years in the U. S., having learned to think, act and appreciate opportunity, while taking active part in the movement for freedom in Russia.

OLIVER A. DECELLE
Pasteurization of Milk by the Use of Ozone.
Born January 14, 1894, at Sioux City, Iowa.
Wendell Phillips High School, Chicago, '10½.
Omega Lambda; A. Ch. E. S.; Fulcrum Representative, '13-'14; Assistant Humor Editor CYCLE, '13; Class Track, '12.
A youthful prodigy, Oliver, and a progressive sort. Wireless is his side line. Besides articles on wireless (of real cash value to him) he has created some fiction. Quite versatile, say we.

LESTER T. WILSON
Technical Utilization of the Solids of Skim Milk.
Born July 9, 1891, at Chicago, Illinois.
Englewood High School, Chicago, '09.
Beta Phi; A. Ch. E. S.
"Lester" is a courteous chap—one of the absolutely square sort. It has required considerable courage for him to stick to his course despite outside difficulties, but he has "turned the trick" and acquired many friends besides.

B. S. in Ch. E.

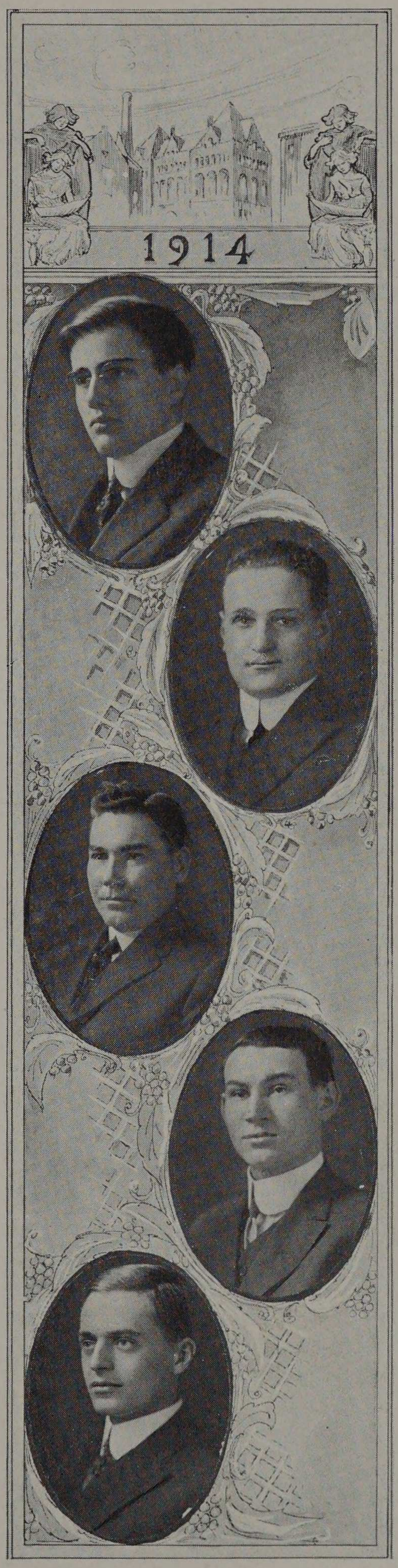
HARRIS PERLSTEIN
Heat Treatment of Certain Alloy Tool Steels.
Born August 18, 1892, at New York City, New York.
North Division High School, Chicago, '09.
Beta Phi; Sphinx, President, '14; A. Ch. E. S.; Y. M. C. A.; Organizer and First President A. R. A.; Fulcrum Rep., '12; Editor-in-Chief, '13; Associate Business Manager, CYCLE, '13; Senior Representative, '14; Director Tech Circus, '13.
Occasionally one finds a man, who, combining work and pleasure is a star of the first magnitude in all; such is Harris. Organizer of some, leader of many, and a good pusher in all doings of the Tech.; these show his caliber and versatility.

J. ALBERT WHITTINGTON
Technical Utilization of the Solids of Skim Milk.
Born April 7, 1883, at Benton, Illinois.
Armour Scientific Academy, '10.
A. Ch. E. S.
"Whit" achieved fame by walking off with the ten dollar prize awarded to the most orderly "chem." lab. worker last year. The chemicals have come to respect and like Whittington for his efficiency and frankness.

TOLY AGAZIM
Efficiency of Heat Transmission in a Vacuum Evaporator.
Born September 1, 1892, at Chicago, Illinois.
Tuley High School, Chicago, '10.
Beta Phi; A. Ch. E. S.; Y. M. C. A.; Fulcrum Staff, '13.
Despite being a Math and Chemistry shark and all around A-1 student, Toly is modest. He has already "made good" on difficult work and belongs to the list of those who have won the respect of their classmates.

ISADORE ROBERT WISHNICK
New Method for Determination of Total Fats in Soaps.
Born April 5, 1892, at Chicago, Illinois.
Tuley High School, Chicago, '10.
A. Ch. E. S.
That Wishnick knows how to overcome obstacles is demonstrated by the fact that he has earned his degree in spite of many of them. He should make good on grit and ability.

JOSEPH ZAVERTNIK, JR.
Utilization of Sunflower Stalks in Paper Manufacture.
Born August 13, 1892, at Laiback, Carniola, Austria.
Reaf-Schule, Laiback; Tuley High School, Chicago, '10.
A. Ch. E. S.; Vice President.
"Joe" is a good worker. He hustled himself into a real "job" at the end of March and tells us he likes it. He is also quite a politician.





B. S. in Ch. E.

JAMES G. SHAKMAN
Efficiency of Heat Transmission in a Vacuum Evaporator.
Born March 20, 1893, Chicago.
Wendell Phillips High School, '10.
Beta Phi; A. Ch. E. S.; Institute Band Business Manager, '12-'13.
A keen judge of human values, a delightful dry humorist, and an all around exponent of hard sense, is James. One of the loyal but thinking and capable sort, whose clean-cut personal characteristics ought to bring success.

WILLIAM YONKMAN
The Technical Utilization of the Solids of Skim Milk;
Born September 8, 1891, at Chicago, Ill.
Curtis High School, Chicago, '08½.
Glee Club, '11-'14; Leader, '13-'14; Quartette, '12-'13; A. Ch. E. S.
"Skinny" is quite a song bird, also an earnest student and a popular man with his fellow chemicals because of his unaffected sincerity.

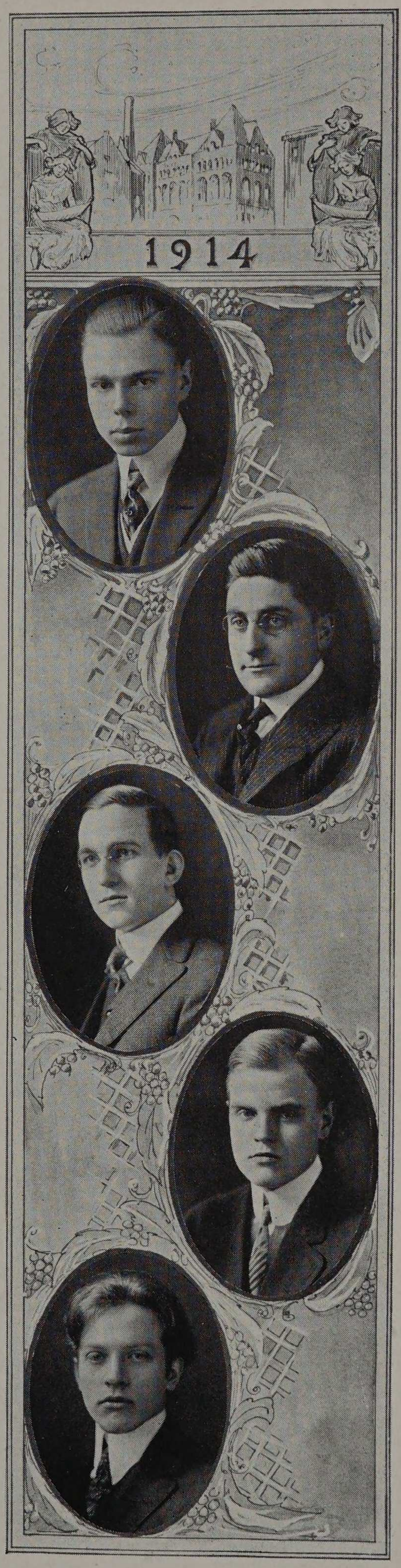
B. S. in A.

GORDON STANLEY BARBER
A Palace of Justice.
Born at Winnipeg, Canada, March 28, 1888.
Blaine High School, Superior, Wisconsin, '07.
Atelier; Alpha Delta Tau; Class Basketball, '10-'14; Sub. Tech Basketball, '10-'11; Vice President Class, '12, '14; Atelier Social Committee, '10-'11; Auditing Committee, Class, '10-'12; Massier Soph. and Junior Architects; Secretary Atelier, '12-'13, Treasurer, '13-'14; Junior Play; Architects Play.
"Barb" has always carried off honors in an unaffected way that wins him more honors, and, incidentally, friends. For a likeable combination of personality and brains, make "Barb's" acquaintance.

ALLAN WESTGATE BARR
A Community Village.
Born June 30, 1891, at Chicago, Illinois.
Lake View High School, '09½.
"A" Club; Atelier; Tech. Track, '12-'14; Class Track, '12-'13.
Allan is the great jumper of the school and has set several high water marks in his specialty, among others he holds the Wilson Y. M. C. A. and "Little Five" Conference Records. Being so used to jumping, he took the final leap into matrimony without turning a hair.

JOSEPH COHEN
A Social Center.
Born January 15, 1889, at Zagory, Russia.
Medill High School, 1910.
Atelier.
Has been a steady "supe six" in Grand Opera for the last three years. Calls all the stars by their first names and has made a hit with several of the chorus. A steady, consistent worker.

B. S. in A.



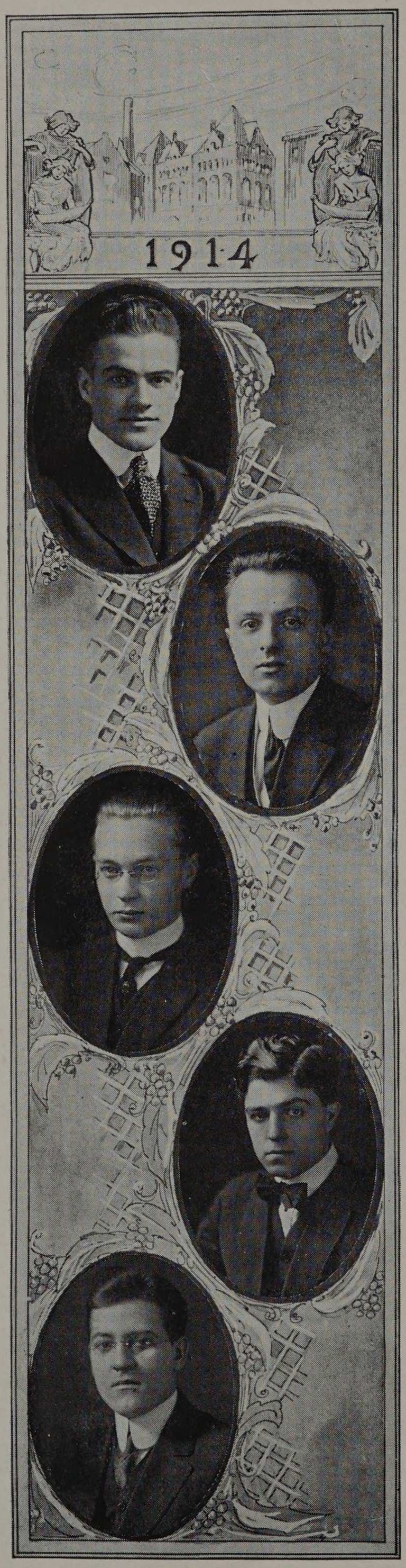
HERMAN D. ROLLER
Country Estate for a Wealthy American Family.
Born August 15, 1893, at New York City, New York.
Armour Scientific Academy, '10.
Omega Lambda; Tau Beta Pi; Alpha Delta Tau; Atelier; Massier Class Atelier, '10-'11; Class Secretary, '11-'12; Junior Social Committee, '12-'13; CYCLE Committee, '12.
Herman's strong points are architecture and fussing. His favorites, "Guess I'll hand in a small sketch" and "I wish I had a job."

NATHAN KOENIGSBERG
A Civic Pier.
Born April 7, 1890, at Semeplair, Russia.
Peabody School, Chicago, Illinois.
"Count" thinks that valuable goods often come in small packages. Everyone suspects that he is deeply in love, because of his far-away expression. Come, "Count," tell us who she is.

CHESTER E. H. WOLFLEY
A National Conservatory of Music.
Born November 18, 1892, at Chicago, Illinois.
Rockford, Illinois, High School, '10.
Omega Lambda; Tau Beta Pi; Atelier; Y. M. C. A.; Class Basketball, '10; Social Chairman Atelier, '13-'14; Purchasing Agent, '12-'14; Junior Play Cast and Property man; Architects Play, Cast and Manager.
"Chuster," although about the busiest man in the architectural department by reason of his offices, manages to draw first mentions and a goodly number of "A" grades. He is noted for his ability to keep things moving.

FREDERICK McC. ISENSEE
An Interurban Station in a Large City.
Born March 24, 1892, at Edwardsville, Illinois.
Edwardsville High School, '09.
Atelier.
McIsensee is easily the best plugger among the Senior architects. He has been unanimously elected chief steward of the Atelier every year. His hobbies are railroads, street car rides and the collection of architectural literature.

LODTHARDT M. JENSEN
A Burial Ground
Born January 11, 1892, at Vejle, Finland.
Omaha, Nebraska, High School, '10.
Atelier.
Lodthardt, alias "The Flirting Finn," is our sole advocate of post-futurism. Voluntarily took an elective course in Calculus under "Doc" Campbell and received an "A." Nough said.



B. S. in A.

FRED DIGGINS FARRAR
A Modern Theological College.
Born February 23, 1892, at Cadillac, Michigan.
Cadillac High School, '09; Olivet College.
Omega Lambda; Tau Beta Pi; Atelier; Radical X; Glee Club, '10-'14; Alpha Delta Tau; Tech Track, '12-'14; Mgr. Class Track, '13; Social Committee, '11-'12; Board of Athletic Control, '12-'13; First Marshall Junior Week, '13; Massier Atelier, '13-'14; Architects Play; Fulcrum Staff, '14; Sphinx; Skull and Chain.
One has only to talk to "Freddie" to realize that he is above the average. It is safe to predict that his successes at Armour will be repeated in the business world.

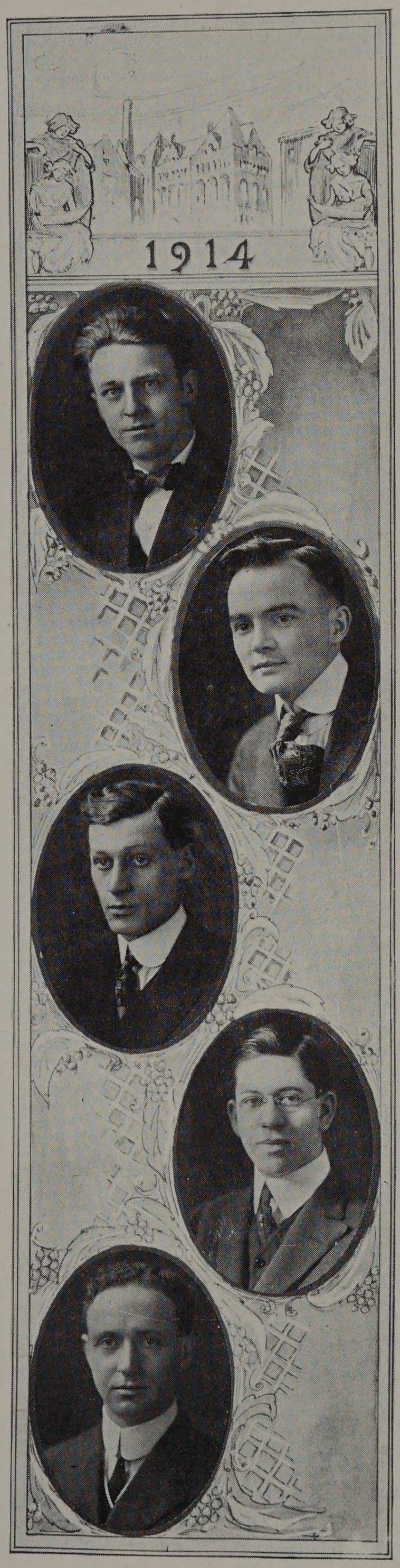
CLEMENT VITTNER
A Modern Technical High School.
Born November 2, 1892, at Chicago, Illinois.
Armour Scientific Academy, '10.
Atelier.
One of the few architects who have practical work to their credit. Clement puts work before pleasure, hence the results.

JAMES L. SHANE
A Hotel for Idaho Falls, Idaho.
Born March 4, 1894, at Chicago, Illinois.
Armour Scientific Academy, '10.
Atelier; Mandolin Club, '12-'14; Fulcrum Staff, '13-'14.
Jim is a constructionist, but reputed to be studying china painting under the personal direction of a very good friend. He is credited with magical prowess, being able to make himself disappear from the drafting room.

FRANCIS M. VALERIO
An Office Building.
Born June 19, 1890, at Ropi, Italy.
Crane Technical High School, Chicago, Illinois.
Atelier.
Valerio has had considerable difficulty in getting to classes on time. Standard excuse, "Poor train service." A good worker and always at it.

EDWARD S. KUJAWSKI
A Roman Catholic Church.
Born February 8, 1892, at Chicago, Illinois.
St. Ignatius College, '09. Armour Scientific Academy, '10.
Atelier.
"Ed" is given over to the fanciful and romantic. Yes, many of us have seen her. Also, "Ed" has often successfully proved that a great problem can be put on paper in just two days instead of the customary six weeks.

B. S. in A.



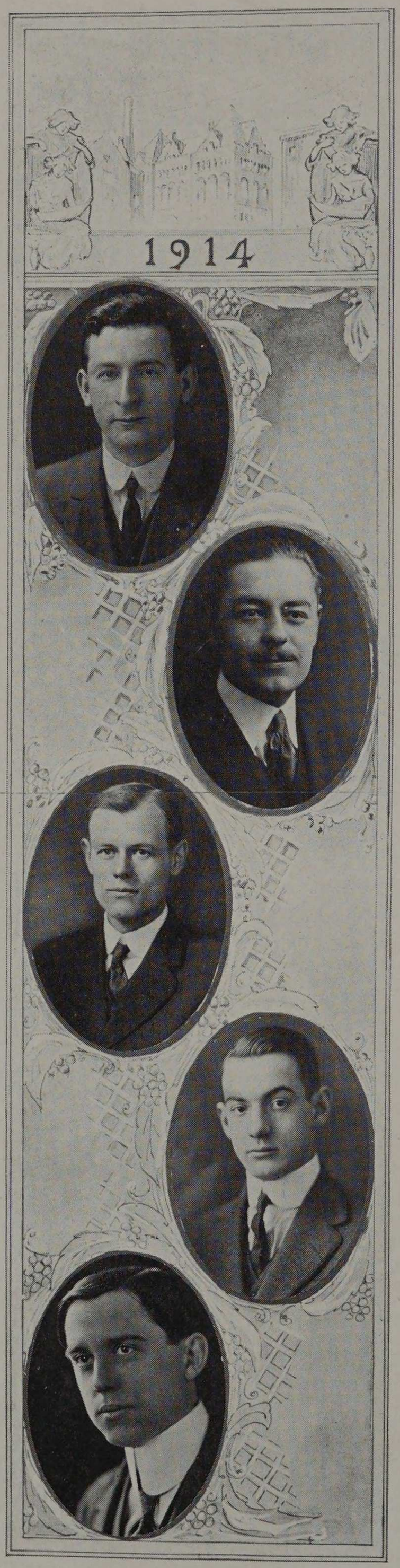
MURRAY DOUGLAS HETHERINGTON
A Regional Bank. (Provided for by the new Currency Bill.)
Born December 8, 1892, at Chicago, Illinois.
Armour Scientific Academy.
Atelier; Alpha Delta Tau; Treasurer Atelier, '12-'13.
Murray is about the finished product in design and can work a whole week without eating or sleeping. Originator of the midnight pajama party in Beverly Hills.

JOSEPH CHARLES WRIGHT
Point of Governmental Control at the Isthmus of Panama.
Born August 19, 1892, at Chicago, Illinois.
South Bend, Indiana, High School, '10.
Delta Tau Delta; Atelier; Junior Play; Architects Play.
"Julian Eltinge's" only rival made a most charming lady in both the Junior and the Architect's plays. Off the stage also, Wright is said to be quite an entertainer.

CLARENCE SCHMIDT
A Suburban Residence.
Born October 13, 1891, at Chicago, Illinois.
Oregon Agricultural College.
Atelier.
A haunter of the basement corridors. His pet ambition is to build a Museum of Art for the city of Portland, Oregon. Some ambition! But you never can tell.

ARTHUR G. ELIEL
Terminal Station for a Great Railroad.
Born July 16, 1893, at LaSalle, Illinois.
Lake View High School, Chicago, '10.
Tau Beta Pi; Atelier; Class Basketball, '10.
What would the Senior drafting room be without "Artie's" singing and all around cheerfulness. As a designer he is one of the leaders, and his hard work and honesty have been an inspiration to all of us.

ARCHIBALD WILLIAM MORROW
Born February 29, 1884, at Terre Haute, Indiana.
Indianapolis Manual Training High School.
"Paw" Morrow, the oldest Senior architect, has no use for the tango, but is deeply interested in color schemes. He hopes to make good on his Celtic courage and the lightning speed with which he burns the tracing paper.



B. S. in A.

CASRIEL HALPERIN
A Synagogue in a Large City.
Born April 29, 1890, at Kiev, Russia.
Joseph Medill High School, Chicago, '06.
Winner of the Home Traveling Scholarship, '13. Inventor of the Halperinesque style of architecture, sometimes known as the Rococo d'Ecole de Paradise Halle. Delights in coming in as a dark horse with the winning design.

ROSCOE H. ZOOK
A Group of College Buildings.
Born May 21, 1892, at Valparaiso, Indiana.
Ft. Wayne High School, '10.
Omega Lambda; Atelier; Alpha Delta Tau; Third Marshall Junior Week, '13; Chairman Social Committee, '12-'13; Treasurer Class Atelier, '10-'14; Track, '11-'12.
"Chubby" is a great entertainer, famous for his song, "ri-di-de." He is so swift a worker that he always finishes problems a week before due, and usually finds time to turn out a couple of posters a week. He is quite the freehand shark of the senior room.

B. S. in F. P. E.

WALTER CHARLES GIELOW
Tests of Extinguishers for Automobile Fires.
Born January 29, 1888, at Manitowoc, Wis.
Manitowoc High School, '10
Fire Protection Engineering Society, (President.)
To Gielow accrues the distinction of being the first President of the Fire Protection Engineering Society. He has always exhibited keen interest in his chosen work.

EMIL J. HEPP
Tests of Extinguishers for Automobile Fires.
Born September 19, 1892, at Chicago, Illinois.
Lewis Institute, '10.
Fire Protection Engineering Society.
The responsibility of upholding a full half of the honor of '14's fire protection class has rested easily on Hepp's shoulders. He announces his intention to make good, and we believe he will.

B. S. in I. A.

ALBERT G. BAUERSFELD
Teaching experiences accepted as thesis.
Born August 1, 1880, at Pomeroy, Ohio.
Chicago English High and Manual Training School, '90; Chicago Teachers College, '00.
Albert was the chairman of the Industrial Arts organization and was the one who petitioned the Institute to inaugurate the Industrial Arts course at Armour. Although we have not seen much of Albert, we have learned that he is exceedingly interested in vocational education, and is prominent in many state and local educational associations.

The Class of 1914

On a certain morning in the first days of September, in the year 1910, the residents in the neighborhood of Armour Institute of Technology, in the bustling city of Chicago, awoke to the realization that something was happening. The college, which had lain dormant during most of the summer, had assumed an air of alert activity. Steady streams of youths flowed in from the four directions to swell the current that already filled the halls of the main building. The throng as a whole, was cheerful and joyous, and many were the recognitions and hearty greetings—except for the newcomers. These massed together and stolidly followed directions, dodging as well as possible the earnest exhorters who assured them that their future happiness demanded immediate subscription to the Fulcrum, and Engineer, and Y. M. C. A.—much as freshmen had massed together and dodged such exhorters on every registration day from the founding of the college.

Diverse and many were the countries and states represented in the ensemble of those here drawn together for the first time. Future leaders were lost in the general shuffle of uncertain humanity, and future bosom friends passed without recognition.

A certain element among these unfamed freshmen were marked as being more at ease than their companions. These were the men from the last class of the Armour Scientific Academy, entering the college with the class of 1914. A few weeks later, when the announcement that the freshmen would meet and organize had brought over two hundred men to historic Science Hall, it was one of these, capable John Aberly, who was chosen as leader.

But many of the deeds of '14 have been the themes of other tales. How the skillful athletes quickly discovered themselves and, in feats of collective and individual prowess, won for the freshmen the baseball and basketball titles, and procured many berths on the Tech teams has been worthily recited. Permanence has been given too, to the brilliance of the social achievements throughout the years of '14's existence.

The archives of A. I. T. contain abundant evidence of '14's quick development of marked progressiveness. As individuals and as a whole the men of '14 have always showed a tendency to carry through movements intended to better the undergraduate life of the college. The perseverence that accomplished the reinstatement of track as a college sport, after two years of endeavor, is not easily forgotten. The Armour Rooters' Association, an organization that has already justified its existence, must credit its origin to '14's determination. And which Armour man cannot tell the tale of '14's foresighted establishment of a "year book fund," in the freshman year, that put strength into the fight for the re-establishment of the college annual, and resulted in the birth of the CYCLE? And now we may complete

that tale with the statement that the first issue of the CYCLE was sold out on the first day of its appearance, resulting in financial profit to the class treasury.

While rummaging through the mentioned archives pause a moment longer at the file marked"publications." Look you, here it is recorded that one of '14 has rescued the Fulcrum from distress and given it new life, and another has courageously decided that the Armour Engineer shall be changed from a semi-annual to a quarterly publication. And yet here it is told that the blood of '14 has infused new vigor into the Sphinx. Then turn to "athletics." See, this page tells how '14, as Juniors, laid claim to the triple title of interclass champions in basketball and baseball, and track, and how, as Seniors, they had held that title in basketball and baseball; and this one relates of the many valuable services rendered the college teams by those of '14.

Now there had been established at Armour the custom that each Junior class should bestir itself to provide much entertainment, for a week, in the balmy days of early May. And so, in the reign of Pynchon, it came about that '14 presented its Junior week. To the portion of the mind where are stowed away memories to be fed on as a delight to the soul, this was indeed a feast. The college forsook its dignity and romped joyfully about as the preparations of months materialized into music and acting and dancing and feasting and playing. Baseball and track and a rollicking circus, and the appearance of the CYCLE, filled the afternoons, while the more formal events occupied the evenings.

During the successive reigns of Aberly and King and Pynchon, those of '14 had acquired much knowledge as well as fame. Learned now in the ways of the world, but reduced in number to four score and ten, they gathered to assume the dignity of Seniors. With much display of political wisdom was Heritage chosen to bear the title of "first Senior at Armour." Many were the committees chosen to devise various ways of expending much money, yet were the hearts of the Seniors made glad by the fact that the treasury was fat and needed no further contributions.

In regular routine the various functions of the Senior year have been gone through, until now the final formalities are near at hand. The theses that are almost completed are the culmination of four years of earnest effort to drink deeply of the wisdom offered by the Institute.

The class of nineteen hundred fourteen has never lost its spirit of hope and progress. Surely each body of men journeying through Armour acquires, in a measure, its own peculiar characteristics. Those of '14 have been unusually distinctive and clean cut, and the desire to make good in the eyes of Armour men has proved an incentive to success in all lines. Scholastically, as in other ways, '14 has maintained a high standard.

And so, on an evening in the last days of May, in the year 1914, the residents in the neighborhood of Armour Institute of Technology, in the bustling city of Chicago, will again become aware that something is happening. The Assembly Hall will throw open its doors in the honor of ninety young men in cap and gown andthe class of nineteen hundred and fourteen will pass on.

Lost, Strayed or Stolen

Below is a list of prominent members of the class of 1914 who started with the class in 1910, but who, for various reasons, have left the Institute:

H. W. Baker
J. Bolotin
H. Glen Clarke
C. L. Corbet
A. W. Dilling
L. V. Somers
J. H. McCormack
W. H. Kann
K. T. King
H. H. Maddox
E. A. Pynchon
H. O. Sexsmith
D. Stump
E. Stein



Looking South on Federal Street

Speed Forth

Hark Ye, those of you who have arisen,
Those to whom wisest lore Alma Maters' given;
Rise, the struggle is now begun,
You work must do from Sun to Sun.

Speed forth, let no one of you bewail,
That life is short and therefore you fail.
With unbuckled vestments, gauntlet thrown,
Arise, and fight for that you call your own.

Of knowledge you have full, in book lore wise are ye,
For fast locked gates ye have Armour's Master Key.
Her son thou art, then sonlike, you must raise
Her gold emblazoned banner, and worthily sing her praise.

Oh, you that forward reach, yea afar and wide,
And seek from glory, to stem the rushing tide,
Strike out, with knowledge, brawn and will,
For in willing, Alma Mater's heart you thrill.

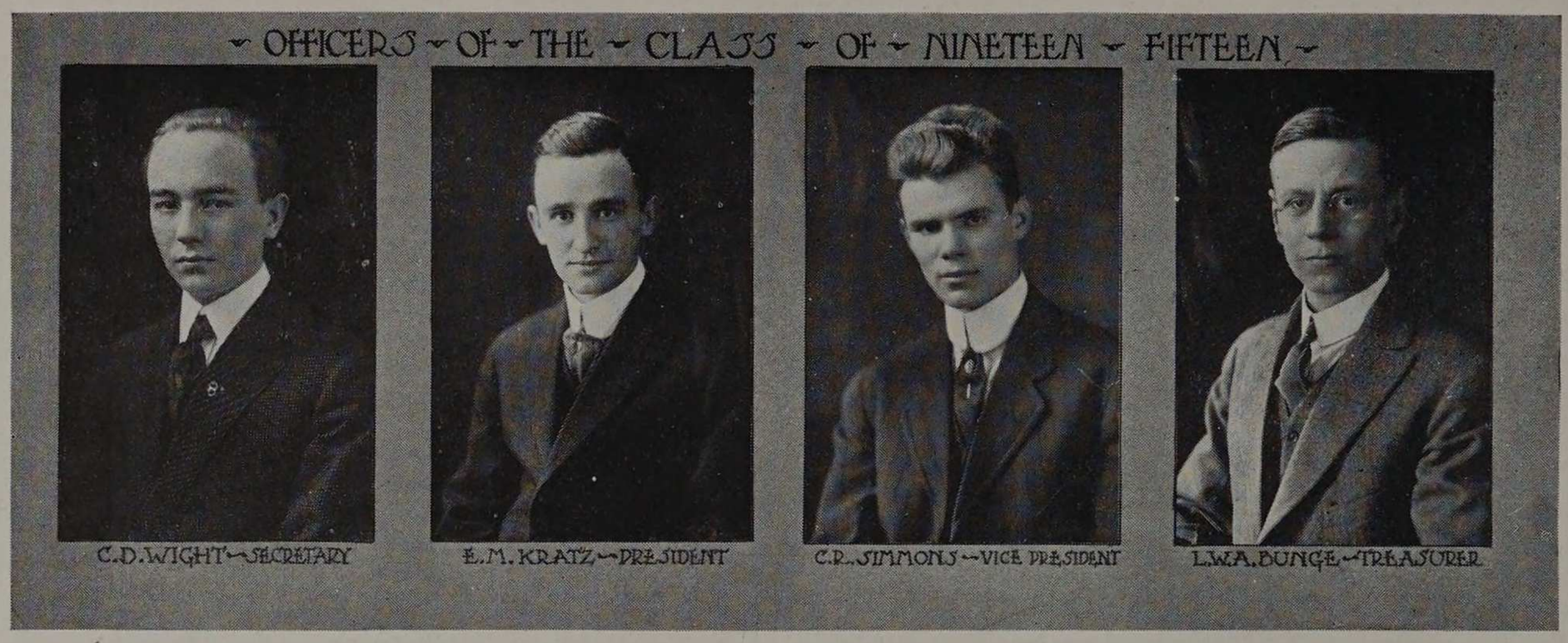
To live, to love, to gain and achieve,
And achieving, helping world burdens to relieve;
Yea, even, ever first in knowledge's strife,
Speed forth,'tis the doing that makes the living life.

D. B. Lesser,'14.



JUNIOR

H. Bodholdt



Juniors

Colors

Green and White

Yell

"Yea! Fifteen! Yea! Fifteen!"
F–I–F–T–E–E–N
Fifteen!





Class of Nineteen Hundred Fifteen

Students in Mechanical Engineering

Agee, Jess A.
Anderson, Oscar A.
Benavides, M.
Bohn, Robert G.
Bready, William M.
Bunge, Ludwig W. A.
Chipman, Frederick L.
Close, Lyman W.
Cooban, Frank G.
Downey, L. S.
Faulkner, Fred L.
Hibbard, Lewis E.
Juttemeyer, Walter
LeVally, John R.
Mayer, James L.
Palmer, Roger C.
Patterson, C. E.
Paterson, Wm., Jr.
Sherwood, Herbert P.
Sir, William W.
Skinner, H. C.
Stepanek, Emil
Thal, Sam
Ward, Fred L.
Wight, Clifford D.

Students in Electrical Engineering

Adamson, J. Friece
Borroughs, Walter
Broyles, John L.
Conklin, Joseph T.
Cohn, J. W.
Deering, John
Hoffman, E. L.
Hupp, O. R.
Lister, Everett
Mammes, Harry A.
Matt, P. G.
Mieczkowski, T.
Pfafflin, Theodore K.
Pfeiffer, Walter S.
Seeberger, Harry F.
Seelger, H. F.
Shaffer, Sidney
Springer, Ormond S.
Sullivan, Thomas
Wolfson, William
Wright, Chester F.

Students in Civil Engineering

Ahlvin, M. V.
Altman, E. E.
Anning, Harold E.
Brittan, Charles W.
Chase, Denton A.
Compton, Faye N.
Deitenbeck, Max
Duffy, Joseph L.
Gillidette, Walter L.
Grodsky, M.
Hook, L. D.
Kiene, Theodore J.
Knuepfer, Claude A.
Lindblom, William V.
Marx, Emmet R.
Sherman, M. A.
Simmons, Charles R.
Sproesser, George
Stromback, Ernest J.
Trinkaus, George J.

Students in Chemical Engineering

Congdon, Charles C.
Diemecke, Curt W. C.
Gothwaite, Everett D.
Grossman, Al. N.
Hahn, G. A.
Lauletta, Joseph, Jr.
McCormick, J. H.
Parrott, Raymond D.
Sieck, Ernst
Wilkens, H. B.
Wilson, Robert L.
Yamamoto, I.

Students in Fire Protection Engineering

Anderson, Stanley W.
Chamberlin, Joseph F.
Kratz, Edward M.
Rietz, Walter H.

Students in Architecture

Arcus, Howard G.
Bodholdt, Arne
Clarke, J. T.
Gibson, Bayard K.
Griffith, Archie B.
Hirose, Yoshisaku
Holtman, Irving
Hirshfield, Leo S.
Lewis, Jacob
Lurvey, Louis
Minchin, S. H.
Peterson, Thorwald
Peterson, Stanley W.
Pierre, Edward D.
Porter, Earl W.
Rissman, Maurice B.
Schiffers, Emil A.
Schreiber, Ernest A.
Schulze, Charles P.
Stark, Andrew G.
Swanson, Ivar
Wagner, Fred H.
Windsor, John J.
Wolfrum, S. A.
Zaldokas, Mathew E.

The Class of 1915

The year of 1911 proved to be an eventful one in the history of the world, for it brought to the Armour Institute of Technology the Class of 1915. Upon the eleventh day of September of that year, a meek and lowly aggregation of young gentlemen gathered within the portals of A. I. T. and turned to the chapter in their Book of Life entitled "College Career."

Immediately upon their entrance into the Institute, their presence began to be felt and they earned the reputation of being a class for deeds. Their first meeting two weeks later was characteristic of their spirit, for they broke away from the conventional method of having an upper classman to preside over the assemblage, and began to do things for themselves. Two members of the class, "Red" Strain and "Duke" Cooban, asserted their initiative by delivering several forceful campaign speeches. "Red" received the temporary chairmanship, and in the election which followed, the officers elected were Harry H. Strain, President; Earl B. Markham, Vice-President; Elliott M. Sullivan, Secretary, and Joseph F. Chamberlin, Treasurer. The first Social Committee, was appointed by the President at the next meeting, with E. B. Markham as chairman.

Under the able guidance of these men, the good ship 1915 sailed through a most successful year. It asserted its ability along social lines by giving one of the prettiest and best attended dances of the year at the Colonial Club the following spring. Towards the end of the second semester, the First Annual Class Banquet was held at the Great Northern Hotel, and everybody put himself on record as having had the time of his life.

In athletics also did 1915 assert her superiority during her freshman year. To the "Tech" basketball team, she contributed Joe Chamberlin and A. B. Griffith; to baseball such stars as Tommy Sullivan, Joe Chamberlin and F. G. Cooban, and to track Hirshfield, Wood, Nebel and Dodge. The three wrestlers acknowledged as the peers of the school, E. B. Markham, Jack McKeage and Sam Thal, all paid homage to the flag of 1915.

The school year of 1912-13 opened upon the ninth day of September, and again the Class of 1915 returned, as sophomores, although sadly depleted in numbers. The deficiency in quantity, however, was more than compensated by the quality of those who returned. In less than two weeks, a class meeting was called, which proved to be as memorable, if not more so, than the first one of the freshman year. President Strain called the meeting to order, and nominations were opened for his successor. Harry Strain and Jack McKeage were the two nominees. Upon the first ballot, the vote was tied, but a late arrival turned the tide of battle in favor of McKeage, and he was elected on the second ballot. The other officers elected were A. B. Griffith, Vice-President; Walter S. Pfeiffer, Secretary, and Herman C. Nebel, Treasurer. The social affairs of the class were placed in the hands of a committee of five, consisting of H. P. Sherwood, chairman; G. R. Bartling, H. E. Anning, E. M. Kratz, and L. S. Downey. The athletic managers elected were J. F. Chamberlin, basketball; T. Sullivan, baseball; and G. J. Trinkaus, track.

During the year, considerable friction developed in the affairs of the class, and for some time it looked as though a bitter factional fight was inevitable. The situation culminated in April with the resignation of President McKeage. He was succeeded by Vice-President Griffith.

When it came to interclass matters, however, '15 stood together as one man. Early in September they threw down the gauntlet to the frosh and continued the process of showing 1916 her insignificance during the next two months. The freshmen were by no means passive victims, but '15 scored a triumph at every attempt, and finally brought her rivals to a sense of their proper place by the memorable battle of Nov. 8, 1912.

The wearers of the green and white once more asserted their initiative when they held a very successful dance at the Hyde Park Masonic Hall on the seventh of March. Pennants bearing the class numerals in black and gold were distributed among the dancers. Programs in the form of green and white leather card cases were another example of the prowess of our Social Committee. All present declared it to have been one of the best Armour dances ever held.

The social affairs of the season ended with the Second Annual Banquet of the Class, held on May 14 at the Great Northern Hotel. This proved to be even more enjoyable than the first banquet.

The fighting spirit of the class was equally evident in athletics. At the interclass track meet, held October 25, the class of 1915 worthily asserted her capabilities by finishing only six points behind the victorious Juniors. Among those who scored points for the green and white, were Graves, A. H. Johnson, Faulkner, Shaffer and Trinkaus. During the interclass series in basketball, held the following month, the '15 team proved a strong contender, losing several games by the narrowest of margins and furnishing the surprise of the series by defeating the hitherto unbeaten freshmen team.

1915 proved to be unbeatable in the indoor baseball series in March and with "Babe" Wolfson doing the twirling, won the championship with scarcely an effort.

Several of 1915's athletes aided in the victories of the "Tech" teams; Bready, Hockenberger, Sullivan and McKeage in basketball; McKeage, Johnson, Trinkaus and Shaffer on the track; and Sullivan, Hook and Trinkaus on the diamond. The last three were members of the famous nine which won the collegiate championship of the Middle West.

Several members of the class gained credit in other fields than athletics. E. W. Porter was Managing Editor of the "Fulcrum" for the year; C. G. Hanson and H. H. Strain held positions on the staff of that paper; Porter and Hanson were also assistants on the "Cycle" and J. A. McKeage represented the class on the yearbook staff.

It was well that the class possessed men of such talent in these lines, as the publication of the "Cycle" for 1914 devolved upon them as Juniors. In April, 1913, the staff of the next year's "Cycle" was organized. E. W. Porter was elected Editor-in-Chief by his classmates, and C. A. Knuepfer was given the position of Business Manager, and these two were given free rein in the selection of their assistants.

September 8, 1913, saw the Class of 1915 back at Armour once more, this time in the guise of Juniors, but lacking some of her best men. The organization was effected during the second week of the semester, at a meeting held on September 17. The meeting was marked by the total absence of the ill-feeling which had marred several of those of the preceding year, and the rivalry for office was entirely of a friendly nature. E. M. Kratz and C. R. Simmons were nominated for President the former winning by a narrow margin, and the latter receiving the Vice-Presidency. C. D. Wight was chosen Secretary, and L. W. A. Bunge, Treasurer. Since the supervision of Junior Week would fall to the class of 1915, it was decided to elect the three marshalls at once. L. S. Downey and G. W. Sproesser tied for the position of First Marshall on the first ballot. Downey was elected on the second and Sproesser was elected Second Marshall, with the supervision of the Junior Play. Harold E. Anning was elected Third Marshall, the position carrying with it the chairmanship of the Social Committee. The other members of that committee chosen were Leonard Hook, Walter H. Rietz, B. K. Gibson, and E. J. Sieh. The latter two left Armour during the semester and were replaced by Stanley W. Anderson and Herbert P. Sherwood.

At the second meeting, the other class officials were elected, including the managers of the athletic teams: H. A. Mammes for basketball, Thomas Sullivan for baseball, and George J. Trinkaus for track.

As the social activities of a Junior class are to a large extent concentrated into Junior week, 1915 did little in this way during the first semester, but began the second well with a dance at the Colonial Club on January 30, whose success may be taken as an indication of the kind of affairs we are to expect during Junior Week.

In athletics, 1915 maintained her standard by taking second place in the interclass track meet held October 3. Hirshfield, Thal, Faulkner, Trankaus and Shaffer scored the points for the team. The athletic season is young yet, and from the quality of material which has been seen in these events '15 may expect to have several men on the "Tech" teams.

There are other ways of a man bringing honor to his class besides those of the athletic field. In scholarship, 1915 is probably above the average, since the marks of the members of the class for the first two and a half years show that the class average is a very good one. Individually, William V. Lindblom carried off the palm, being chosen honor man by Tau Beta Pi, although several others, some of whom later left the Institute, gave him a close race.

In literary fields also, 1915 had more men during the Junior year. The Cycle Staff was composed almost entirely of members of the class, and William V. Lindblom was Editor-in-Chief of the "Fulcrum," while George J. Trinkaus, Sidney Shaffer and Charles R. Simmons were department editors on the staff.

This brings the history of the class of 1915 up to date, February, 1914, and although we cannot, of course, be expected to foresee and foretell the mysteries of the future in detail, yet, having duly consulted the Oracle at Delphi, we do not hesitate to proclaim:

That 1915 is the greatest Junior Class that has ever attended Armour Institute of Technology; that before we graduate we will have accomplished even greater things than we have done heretofore, and that in the world outside, we will be ranked as the greatest class of the greatest college in the world.

THE ARMOUR JUNIORIUM

EXTRA EDITION MAY, 1914 PRICE 1 CENT

Junior Circus

It may be of interest to the students of Armour Institute and the world at large to know that the dandy little class of 1915 is completing plans for one of the greatest philanthropic undertakings which has ever before been attempted. This is none other than the erection of a magnificent home for the students of Armour Institute who have been rendered aged and decrepit by the untiring efforts of our bitter enemies, the profs. This home is to be situated five miles due east of Chicago, on a site donated by Uncle Sam, and will be built at an approximate cost of $14,000,000,003.62.

In order to meet the enormous expense of this enterprise, a circus will be held at Ogden Field on one of the latter days of Junior week. The greatest aggregation of talent ever gathered in Christendom has been induced to perform (on credit) at this occasion. This collection of artists has at previous times performed before all the crowned heads of Europe, the bone heads of Colona, Michigan, and the deadheads of the Pere Marquette Railroad. The program as far as Manager Kratz has been able to prognosticate, will be as follows:—subject to police interference:

The first spasm will be a dazzling, aerial, tightrope act by our scrappy little short stop, Tom Sullivan He will attempt to balance himself on his left ear while smoking a cigaret, and at the same time work out a problem in Calculus assigned by "Doc" Campbell.

The next number will be a song and dance by the celebrated human Siamese twins, Dewey Anning and Fred Ward. They will give a demonstration of how the tango should not be done, illustrating the intricacies of the subway glide, the loop the loop, and the broken hip.

To add variation to the program, the Russian nobleman, Ignatz Mammes will dive from a platform 300 feet in the air, into a sausage, without breaking the skin, showing what wonderful results can be accomplished when a man uses his head.

For a musical number, we are pleased to announce that we have engaged I. Yamamoto from the land of the Sun. In this act alone he uses $50,000 worth of clothing, and a diamond rated at ninety horsepower.

The audience will now be aroused from their slumbers to gaze upon an act which has been put upon the program in the interest of science. It will demonstrate Prof. Wilcox's theory that the impact stresses set up in a ball of concrete when it strikes the ground from a 30 foot fall are insufficient to rupture the concrete. "Shorty" Thal will leap from the roof of the "Beanery" make forty revolutions and a pirouette in mid air, and land on his head.

As a fitting finale and an eloquent tribute to the purpose of the undertaking, math professors Campbell, Leigh, Pell and Palmer will be led out in chains and thrown into a cage of hungry lions, borrowed from Lincoln Park for the occasion. By special request of Prof. Smith's descriptive geometry class, he also will be numbered among the victims.

The advance sale of the tickets already numbers 40,000, which would seem to indicate that the affair will be a stupendous success. Let us all write in this common cause for the relief and succor of our afflicted brothers. Amen.



SOPHOMORE

H. Bethold.



Sophomores

Colors
Blue and White

Yell
Rah! Rah! Rah! Rah!
One Nine One Six
Rah! Rah! Rah! Rah!
One Nine One Six
Rah!





Class of Nineteen Hundred Sixteen

Students in Mechanical Engineering

Armacost, Wilber
Beers, Otis E.
Broman, John G.
Byanskas, John M.
Echlin, Ellis S.
Gwinn, H. H.
Homan, Lintner
Hill, Claude
Katzinger, Arthur
Luckow, Lincoln
Mouat, Harry G.
Miller, Joseph
Pimstein, Sidney
Rehnquist, Paul A.
Siebenaler, George
Stephens, Donald Ross
Willett, James

Students in Electrical Engineering

Abrams, Samuel N.
Alender, Walter
Barrer, Glen A.
Bland, Henry
De Las Casas, Carl
Enzler, Leroy J.
Goe, G. M.
Iffert, Harry I.
Katz, Harry S.
Kinnally, R. W.
Lanning, Hazen B.
Leatherman, C. M.
Oswald, Arthur A.
Ott, Konrad Louis
Pond, F. L.
Potter, M. L.
Prochazka, Rudolph
Porto, D. J.
Renaud, E.
Robbins, C. E.
Smith, B. M.
Shapiro, Hyman
Wengel, Arthur M.

Students in Civil Engineering

Alter, Arthur S.
Armstrong, F. C.
Cooney, James G.
Dolan, Joseph C.
Deam, Clayton
DeVaneau, N. C. Mol
Edelstein, Erwin
Foy, Edgar A.
Hahn, Herbert
Hemple, Henry
Kucera, Charles J.
McHugh, Lawrence J.
Miranda, Primitivo
Mundt, W. C.
O'Grady, Omar G.
Rook, H. A.
Simpson, Herman N.
Sosna, Samuel E.
Sostheim, Benno B.
Stride, Harry
Sullivan, Joseph E.
Wermuth, Alfred C.

Students in Chemical Engineering

Boand, Jules F.
Bolte, C. L.
Buck, Harold M.
Butterman, Samuel
Durant, Richard F.
Dougherty, Gerald T.
Isenberg, Nathan
Kendall, Sidney W.
Luckow, William
Marx, V. E.
Perlstein, George B.

Students in Fire Protection Engineering

Bower, Floyd
McDiarmid, E. W.
Peterson, Leonard
Roser, Samuel

Students in Architecture

Aarens, Harry B.
Bergman, Lewis J.
Blouke, Pierre
Braun, Isidore
Cable, Max L.
Chaund, Wm. H.
Eames, Emerson B.
Farrier, C. W.
Finkelstein, Sidney C.
Gronberg, A. F.
Hamilton, Charles
Hamilton, Warren H.
Loewenberg, Israel S.
Lundblad, Carl Hader
Mann, Estes W.
Mowry, J. K.
Nielson, Elker
Newsom, Archie F.
Peek, Carlyle
Phelps, C. L.
Piper, C. G.
Porter, C. C.
Roos, Bernard T.
Shelberg, Elmer E.
Spitz, Alexander
Swarz, August
Vader, Howard W.
Volz, Wm. H.
Wallbrecht, Howard L.

The Class of 1916

In a profound playlet, entitled, "In Quest of a Degree," in four parts, with many scenes.

Time—September 25, 1912.
Place—Armour Institute of Technology.
Dramatis Personae—"The Class," "Professor .....," Chorus, of Deans, Professors, C. E's, M. E.'s, Ph. D's, D. D.'s, E. E.'s, Ch. E's, and B. S.'s.

The Story

It was on the memorable day of September 25, 1912, that "the Class" first saw the bright and dazzling light of day.

"The Class" was surely one healthy looking infant, and although the sun and the moon arose as on ordinary days, one felt that something was different. And it was this difference that characterized the advent of "the Class" into the Armour world. But with a sameness that reminded one of the ordinary classes, the infant was duly registered. This reduced its weight somewhat, by seventy-five dollars, plus the little irritations of life. "Beware the Ides of Archs," was the warning sounded at that time but little heed was paid. As time passed, however, and life became more of a routine, it became evident that the "Class" needed organization. It was now that the significance of the warning became apparent, for at the first class meeting, the Architects elected their ticket from President Pierre down to Treasurer Holt, including the Vice-President and Secretary. But the "Class" was resolved not to let "Architectism" interfere with its original purposes, so the merry round started with the Freshman Handshake. The hero of that occasion was the late Bud Piser, (Oh, Bud, Bud, where art thou budding now!), and the class was there with its pump handle handshake.

Closely following the handshake, the lusty infant developed a mania for the plane figure (not descrip., oh, no). Sidewalks, Ogden Field, Beanery, fences and the like served as good display boards for that beautiful numeral "16."

Of course the "Class" must be punished. Indignation meetings were held by executive councils, Sophomore class, etc., at which it was decided to punish the "frosh" at the Smoker.

But just to show that she also had something to say, the "Class" gathered at the Smoker in goodly numbers, and after partaking of the vile weed, rushed the Sophs off their feet. Ably led by Alter, they weren't doing a thing to the class of '15, when the guardians of the law appeared upon the scene. This put an end to the slaughter. Business of jumping over fences, pulling on coats, etc!

Later we discovered several good athletes, and witness the record. In the Inter-class baseball and basketball series, the "Class" captured second place, and in track was nosed out by three points. Good spirit was always in evidence when 1916 was

concerned, and it was this spirit which placed Katzinger, McDonnell, Sullivan, Wilcox and Broman on the varsity basketball team, Katzinger and McDonnell on the champion baseball team, and Katzinger, Sullivan, Landis and Alter on the track team.

A fine record, you say, but "are you going to the Freshman Dance?" "Yes and I hear its going to be some dance." Right oh, old chap, it was some dance. It was given in the Louis XIV room of the Hotel Sherman, and if you can conceive or have anyone conceive of any dance that can compare with it,—well, you're some conceivers, that's all. Incidentally, the Social Committee reported a deficit of some odd $$ as a result of the affair but it was some dance.

The other class dances, the Home Concert and the Junior Play did *not* lack the support of the Frosh, however, for their school spirit was always apparent.

The "Class" gladly contributed to the resources of John D. Rockerfeller (What do you mean, burn midnight oil) and '16 may be considered as quite a scholarly class. We hope that this will not spoil the good points enumerated heretofore.

PART II. One Year Later.

With the same spirit which characterized the brilliant start made at Armour, though in a vastly greater degree, the "Class" started its second year.

It was evident that the other classes would "Let the Sophs do it," confident of at least a duplication of the successes which had signalized the first year.

And so they did it up brown. In the latter part of September, at the reorganization of the "Class," that peppery clan of Civils, Sullivan, McHugh and Alter, worked into the presidency, vice-presidency and social chairmanship respectively, while with Hill as Secretary and Grasse as Treasurer, the fortunes of the class of 1916 were guided by able hands.

To start things, in track '16 virtually ran away with the rest of the field. The baseball series following was lost by one point to '17, and the basketball series resulted in another sweeping victory for the "Class," which gave her the athletic championship of the Institute.

Quite proudly, the "Class" did the honors at the handshake. Soon after, it was reminded of its childhood days, for once more the beautiful "16" adorned railroad trestles, sidewalks and the Beanery. But alack and alas! Our works of art did not appeal to the low-brows of the Frosh, and an ugly "17" was smeared over the ever-shining "16." This only brought new honors to the "Class." In the role of a stern parent reproving her child, she descended upon the minions of "17" and administered a most sound spanking.

Then back to the integrations of Campbell and the physics of "dat der Duff guy." Terrible as these monsters appeared, they did not completely devour the "Class," and her scholarly record remained untarnished.

Now to athletics. What would the basketball team be without Katzinger, Sullivan, Wilcox and Broman and the track squad without Alter, Katzinger, Wilcox and Sullivan? Could the baseball team exist without Katzinger, McHugh and Wilcox? No! emphatically no!

1916 also distinguished herself in other lines of endeavor. G. Laurence Bolte, manager of the Mandolin Club, put over some concert, while McHugh was Managing Editor of a good "Fulcrum." But in addition to this, Maurice Wilcox, is the golf champion of Armour Institute.

A fine record, so far, you will agree, and we leave only to return as Juniors with far greater accomplishments to perform.

THE DAILY QUIZ

EDITORIAL.

We agree with Gen. Sherman and remark "Quiz is hell."

FICTION.

Books by Readers.

"How to plant a beer garden"—*Beers.*

Latest Books.

Saturday Eve. Roast.
Ladies Wall Paper.

Daily Fable.

Once upon a time Coles came to school with the Physics problems.

Please the Children.

Get your children one of Smiths' "Centrode" games.
Let the little Sons of Sophs amuse themselves finding Centrodes.

Experting by Our Experts.

Golf Rule—If you strike your partner while driving, the stroke counts against him. M. L. Coxwil.

Homesick Students.

Think how you would have to be mowing the lawn or tending the furnace if you were home.

Ask Some Civil.

Carefully she surveyed the room.
(Ever hear of a bed-room transit?)

Get in on the ground floor.

PROBLEM POOL.

Thousands of problems exchanged in the Problem department of your college.

Are you getting your Problems?

We will make you an experienced problem getter without interrupting your present occupation.

LESSON XIII—"How to get Problems under a reform administration."

Hurry now before the new set of problem sheets is out.

P. O. BOX 1323. PRO. BLEM. POOL ELEC.

How to obtain your credit.

Select a Choice Bluff. Prepare this carefully, for your credit depends upon the candid appearance of your bluff.

Happiest moment in my life. Worked three Physics Problems and got them right.

Lunch Room.

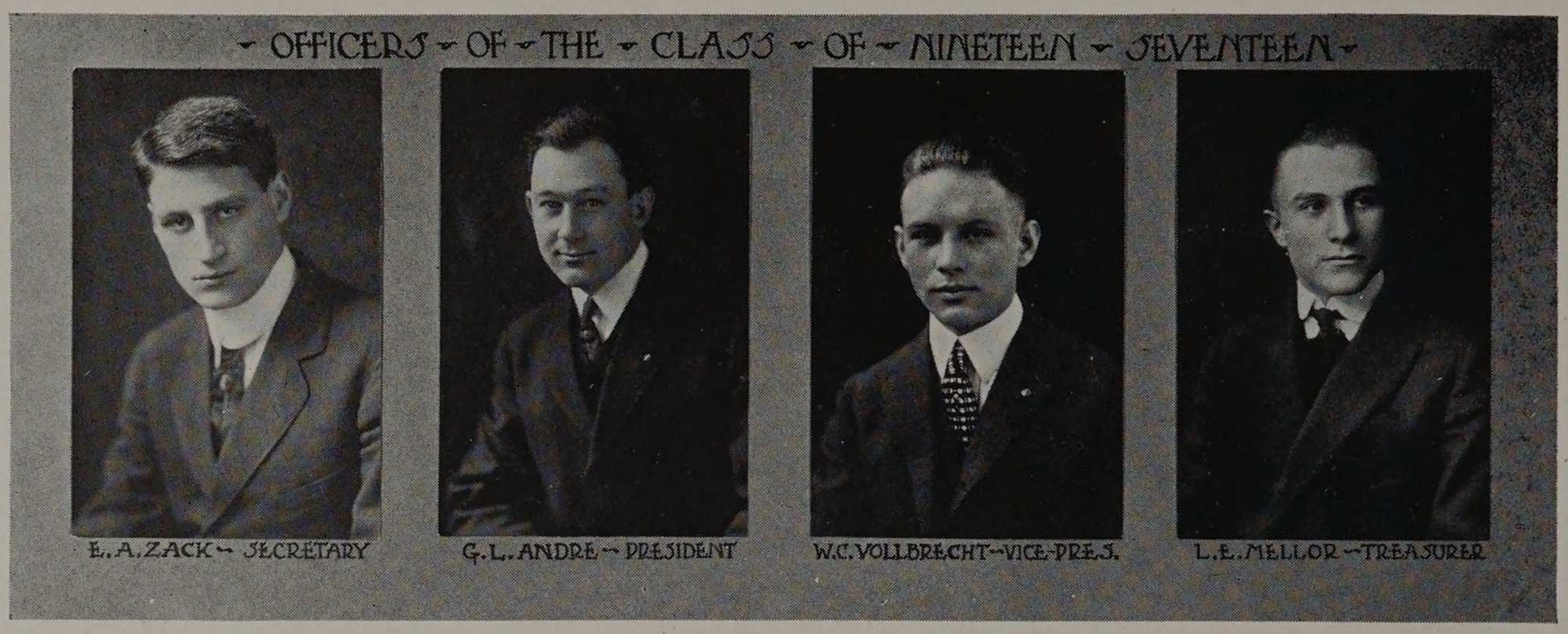
Ham Sandwiches . . . 5c.
With Ham . . . . . 10c.

ON THE WAY TO GARY, INDIANA



FRESHMAN

A Bedfield



Freshmen

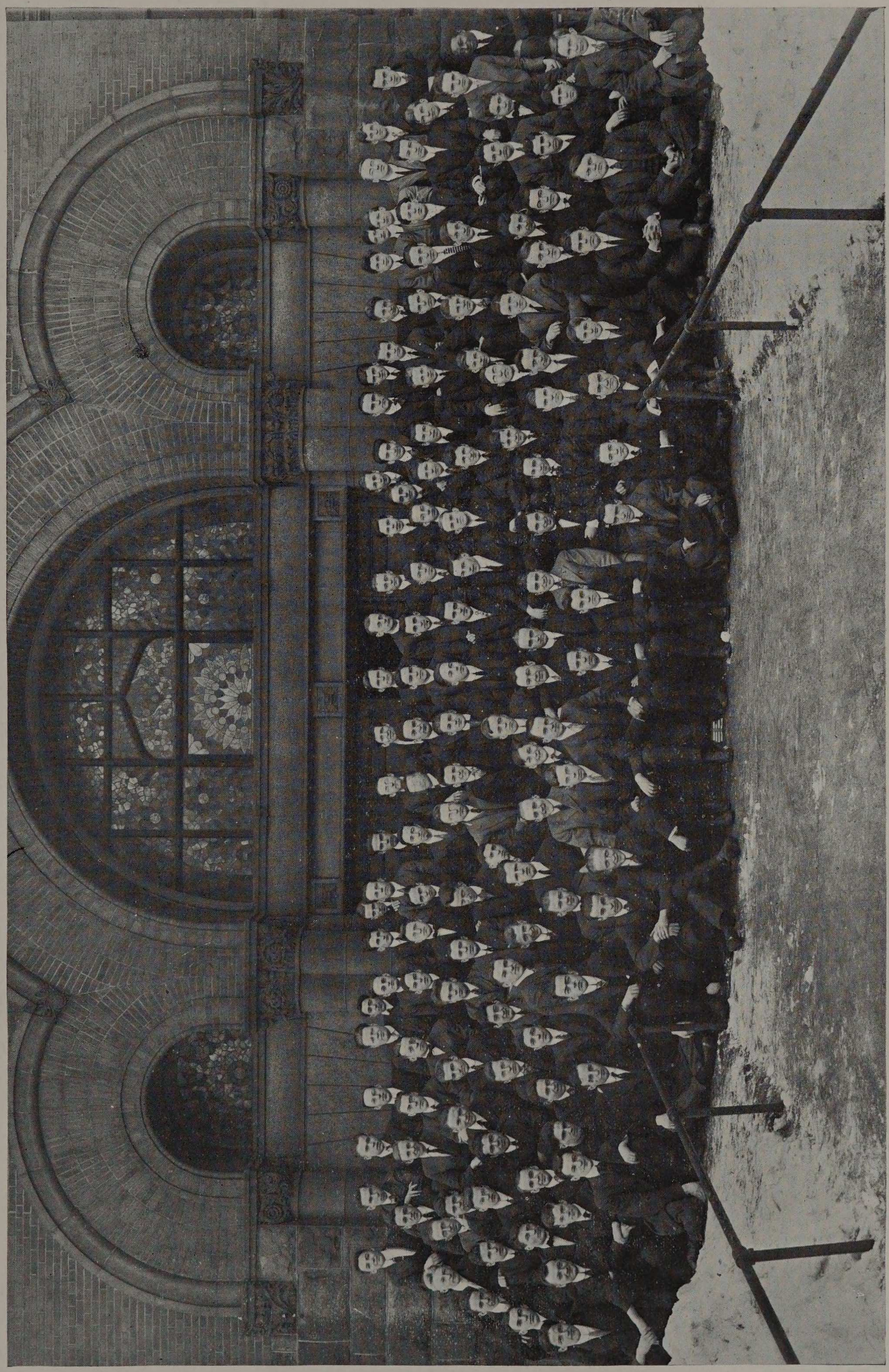
COLORS

Blue and Gold

YELL

Here we are! We know we are!
We're glad we are!
F-R-E-S-H-M-E-N!





Class of Nineteen Hundred Seventeen

Students in Mechanical Engineering

Andre, J. L.
Armspach, O. W.
Bartlett, H. J.
Bauer, E. Jr.
Carroll, P. C.
Clay, J. W.
Clough, W. W.
Culver, J. N.
DeButts, D. J.
Fitzner, R. G.
Fritze, G.
Gasche, R. T.
Goodman, H. M.
Greenman, M. E.
Greenspahn, A. H.
Hall, R. B.
Hammond, E.
Hayes, L. E.
Henry, H. P.
King, L. A.
Kirkpatrick, H. B.
Plocinsky, A. J.
Pomeroy, C. R.
Robechek, B.
Seifert, O. F.
Shalek, K.
Steindler, N.
Thiele, W. A. F.
Tronvig, W.
Vollbrecht, W. C.
Watt, R. M.
Weinshark, W.
Wheeler, F. D.
White, H. S.
Zimmerman, A. M.

Students in Electrical Engineering

Anderson, J. E.
Barnet, R.
Bechand, Pierce
Bideaux, L. A.
Burda, J. L.
Burns, G.
Cantlon, F. J.
Chindblom, A. P.
Coxwell, R. P.
Earle, R. H.
Forney, R.
Given, L. E.
Haines, W.
Hanchette, H. W.
Henning, W. R.
Hildebrand, E.
Holmes, F. C.
Hupp, V. E.
Iffert, H. D.
Jacobs, L.
Kleinman, H.
Lamb, C. S.
Leaf, T. G.
Levey, F. A.
Linderblood, F. B.
Mattern, L. W.
Orahood, L.
Leinweber, F. H.
Marvin, N. L.
Menzel, O.
Moriarty, R.
Morse, R. L.
Oberne, G. S.
Porges, E. D.
Potter, M. L.
Richards, H. S.
Rosenberg, L. H.
Smith, H. E.
Soyez, R. B.
Stearns, J. H.
Summerfield, M.
Sampson, S.
Thomas, T. G.
Tierney, J. W.
Weeth, E. P.
Wegwart, G. H.
Wollaston, S. P.

Students in Civil Engineering

Andrew, O. E. H.
Arkin, M.
Brower, R. B.
Brown, R.
Bruce, H.
Buechner, A.
Cohler, H.
Coles, R. G.
Dierstein, F.
Georges, H.
Gillespie, F. J.
Goldberg, L. I.
Harney, J. D.
Jacobson, N.
Johnson, M. A.
Joyner, C. C.
Kipino, B. L.
Kula, J. S.
Lyle, D.
McCausland, J. W.
Martinson, R. A.
Miller, S.
Newman, S. W.
Nichols, R.
Paskel, R. L.
Perkins, E. F.
Peterson, H. A.
Polikoff, J. A.
Reid, W.
Schovee, J. C.
Schreiber, A. L.
Smith, E. H.
Spangler, C. F.
Starkel, L. R.
Strandberg, E. P.
Strauch, T. P.
Urbanozyk, V. F.
Walder, H
Zack, E. A.

Students in Chemical Engineering

Dern, K. L.
Dohner, H.
Duryee, W. G.
Evans, S. R.
Friedman, E.
Fritts, L. K.
Goorsky, J. K.
Haake, H. J.
Hailey, O. C.
Hazen, E. S.
Huber, H. T.
Linendoll, H. A.
Mease, A. J.
Mueller, F.
Newmark, A. E.
Pearce, W. H.
Pearson, A
Schulze, J.
Spitz, M. J.
Stuebing, W.

Students in Fire Protection Engineering

Cloidt, G. W.
Corman, A.
Cowles, R. D.
Foshinbaur, L. A.
Hahn, K. V.
Roberts, C. H.
Schreiner, R. L.
Ward, J. V.

Students in Architecture

Apfelbach, H. J.
Blain, T. A.
Dallas, L. E.
Dryden, A. N.
Hays, E. B.
Herman, D. J.
Ingraham, H. H.
Knotts, F. J.
Krahl, F. C.
Kurzon, R. B.
Levinson, F. B.
Lipschultz, S. M.
McGrath, P. J.
McGrew, K.
Maher, H. E.
Markel, C. H.
Mellor, L. A.
Peterson, J.
Reid, C. A.
Rough, R. L.
Rusk, R. H.
Schulze, L. C.
Sherman, F. C.
Sparling, D. C.
Stafford, H. B.
Skinner, E. A.
Thomsen, W. F.
Townsend, D. W.
Turner, J. W.
Veseley, W. J.
Weiss, R. D.
Williams, S. P.
Works, W. D.

The Class of 1917

To Editor of Cycle which are not photygraft of alternating currants but two dollar annually publication.

I are bequested by hon. fellow stewdents to negate history of hon No. 17 fleshman class. This honor fill me with salmon like explession and I reply blushingly "I are receptacle of thank you kindlee feelings and dissolve to emaciate office with much sufficiency." After Hon. Jennings Bryan speech I sit down on much applause.

When class meeting are over I hasten to hon. registars office and discount I longly due laundry bill for paper and pencil and joculously and with editor in chief expression I evaporate home. Hourly I wreck brain collecting news for paper and finely produce poetic acccunt.

In bisection of September much scholars select Armour Institoot as alma maters and with Carnaygee explession embellish hon. school with long green and soonly are unrolled in study hours (hon. Ed. study hours are muchly desirable at Armour). Nextly important object of editorial attention are fleshmen class meeting which I will promptly disgust (hon. linetype please to put all titles in rough face type).

Fleshman Class Meeting.

Hon. fleshies hold meating for collection of officers on end day of September 1258——Hon. D. Raymond are introjuiced by Senior who give welcomish address and "pleased to meetcha" talk and are followed by hon. D. Monin who in whiskerous attitude dissipate on dooties of hon. fleshmen and give pat on back sermon and tell us we are most intellectual giants in captivity, which I receive blushingly for I expectorate he are refurring to me. After spasms of elegance hon. D's decompose to office and leave fleshies to mind own business. Mr. Haake pronounce first office to be satiated are secretary. Owing to excess of candydates two percipitates are necessary and Mr. Andre being heavy weight sink to bottom where he settles in hon. secretarys chair. (Ed. for benefit of unchemical engineers I wish to state I cunningly use chemical slang). Mr. Andre however are reversible reaction and double decompositions. Hon. Haake for plesident. By principle of mass action Hon. Haake are filtered out from rest of candy dates and placed at head of fleshmen as unknown I. Afterwards analysis shows Hon. Haake composed of much pepper. After allowing ppt. to stand one minute he are requested for speech and corrodes as following which are favorite election talk "Fellas I didnt expect office but since it are thrust upon me I wish to express much obliged feelings and with your help we will show up the sophs (hon. Ed. it seem to place hon. sophs on exhibition are chief aim of hon. "not stales" (this are sinonym for "fresh" which I coagulate are very eggeselent but some hon profs. think "never before employed" are more appropriate for "fresh"). Mr. Wall Brick are next elected assistant to plesident which are necessary precautions for hon. sophs tell us plesident are sometimes missing after hon. class hurry, so I dissolve to unattend hon. hurry because might I be taken for hon. plesident (this taken have double meaning, hon. ink slinger). Position of hon.

money holder are next and needless to say many stewdents are desirable of onerous dooty but hon. Mellor being most desirousable are fastened as with points or nails (hon. boss of printers devil this are definition of appointed by hon. Noah Web. in unbridged cycopedia which I wisely not like to repeat oftenly. Next office to be officed are weighty one, hon. track manger which are filled by likewise candydate hon. Summerfield which are good sprinter and light on feet (when he are sitting down). Hons. Blain, Watt, Stranburg, Mattern and McGrath are elected socialists. Hon. Juice are elected Fulcrum reporter (juice are Melican for watt), I hon. Mathshark are elected Cycle reporter with much "we for you" feeling. Hon. Summerfield are made surgeon of arms and Wall Brick chief shouter at Alma mater meetings.

Track Meet.

Hon. track meet are held on warm sun-shiny day in Ogden Field. Hon. sops turn out in good style so to learn how to run from fleshies at hon. class hurry. Because hon. Summerfield are outside of condition fleshies win last place. Deer reader, I have sad news to relate I receive letter from hon. Ed. saying I are fired to which I quickly corrode "Not on hon. tin type I are fire protection engineer." Hon. Ed. reply hastefully, you are canned & would recommend course in self protection engineering if you expect to meet me on the street. Deer reeder, I bid adoo. My soul are intoxicated with grief. Hoping you are the same, I remain,

Ima Mattshark.

Basketball.

In the interclass basketball series the freshmen gave the other classes a mighty stiff argument and the exalted sophs knew they had been through a game before they finally overcame the aspiring freshmen. Lamb, King, Clay and Greenspahn were the particular bright lights of the team and all four have played in a majority of the varsity games. "Shorty" Lamb at center has proved a find, for "the silent one" and the way he drops them into the wicker from any angle or position seems particularly wierd and uncanny. After the close of the class series a "Barnstorming" team was organized among the freshmen and up to the present time they have given a very good account of themselves.

Class Rush.

Sympathy for the sophs and a desire not to bring up any unpleasant sophomore recollections prevents us from going into the details of this event. Suffice it to say that the above named gentlemen made a rather hasty and unceremonious departure from the battle ground.

Baseball.

The freshmen added considerably to their laurels by administering a neat little trimming to the Sophs, likewise the Juniors and Seniors in the interclass baseball series. This victory alone would assure the class of athletic fame for the ability

of the men whom our heroes conquered is unquestioned, the same victims having only the previous year won the Western Intercollegiate baseball championship. All of the games were of the hair-raising "fight to the last ditch" variety. The first one, that between the Seniors and Freshies, resulted in an 8-8 tie, the playover going to the Freshmen 4-2. The last game of the series was a struggle to the death and only by their bull dog tenacity were the first year men enabled to nose out the Sophs by the score of 2-1. The team has made quite a hit with the coach and "Long John" expects to recruit a considerable portion for the varsity.

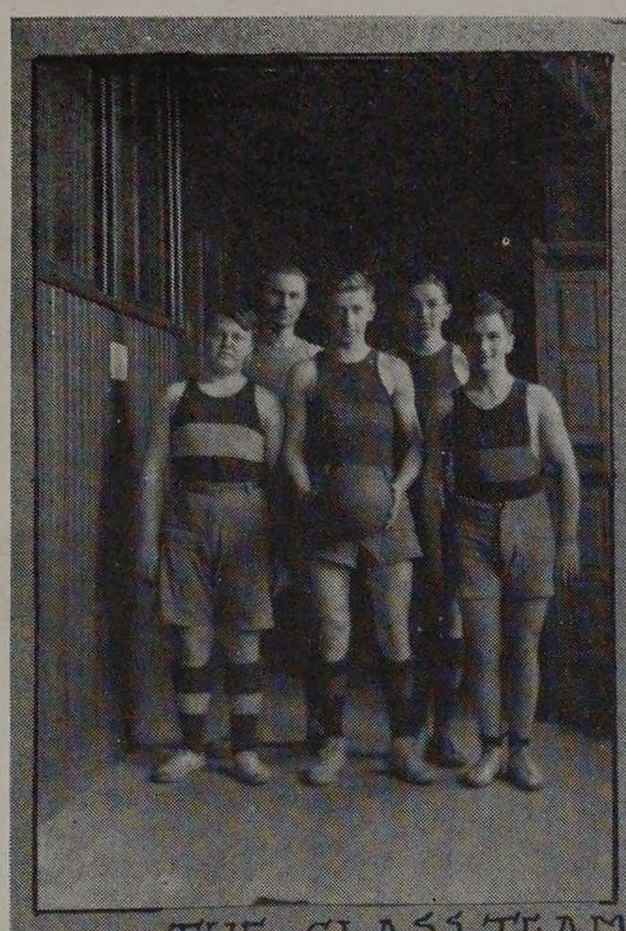
Sweater Coats.

From the very start of the year the freshmen showed they were a rather lively bunch and endowed with considerable "pep" and perhaps the best illustration of this was their decision to outdo the other classes at the Smoker by appearing in sweater coats of white with a large '17 emblazoned on a field of gold. Other classes had decided to wear special hats, but the Freshmen resolved to go them all one better. Unfortunately the coats arrived too late for the smoker but they have been very "muchly" in evidence since. Just another indication of '17 "go."

The Freshmen were dealt a severe blow when returning after the Christmas vacation, they learned that their energetic, wide-awake president, Haake, had departed from them. Owing to ill health Mr. Haake was forced to discontinue his studies. The entire student body and particularly the Freshmen, unite in the hope that he will soon regain his health and be enabled to continue his studies.

Class Meeting.

A special meeting was called late in January to fill certain offices made vacant by withdrawal from school. Mr. Andre, the popular secretary, was elevated to the office vacated by Mr. Haake and Mr. Zack succeeded to Andre's old position. Greenman took upon himself the task of instructing the "fresh" when cheers are in order, Mr. Vollbrecht's "locomotive" having been disabled. A few additions were also made to the social committee and '17, manned by a lively crew, is holding fast to its course of victory both in the class room and on the athletic field. It has some very promising candidates for both the baseball and track teams and '17 hopes to figure even more prominently during the coming season than it has during the past. A hint—Watch '17!



THE CLASS TEAM

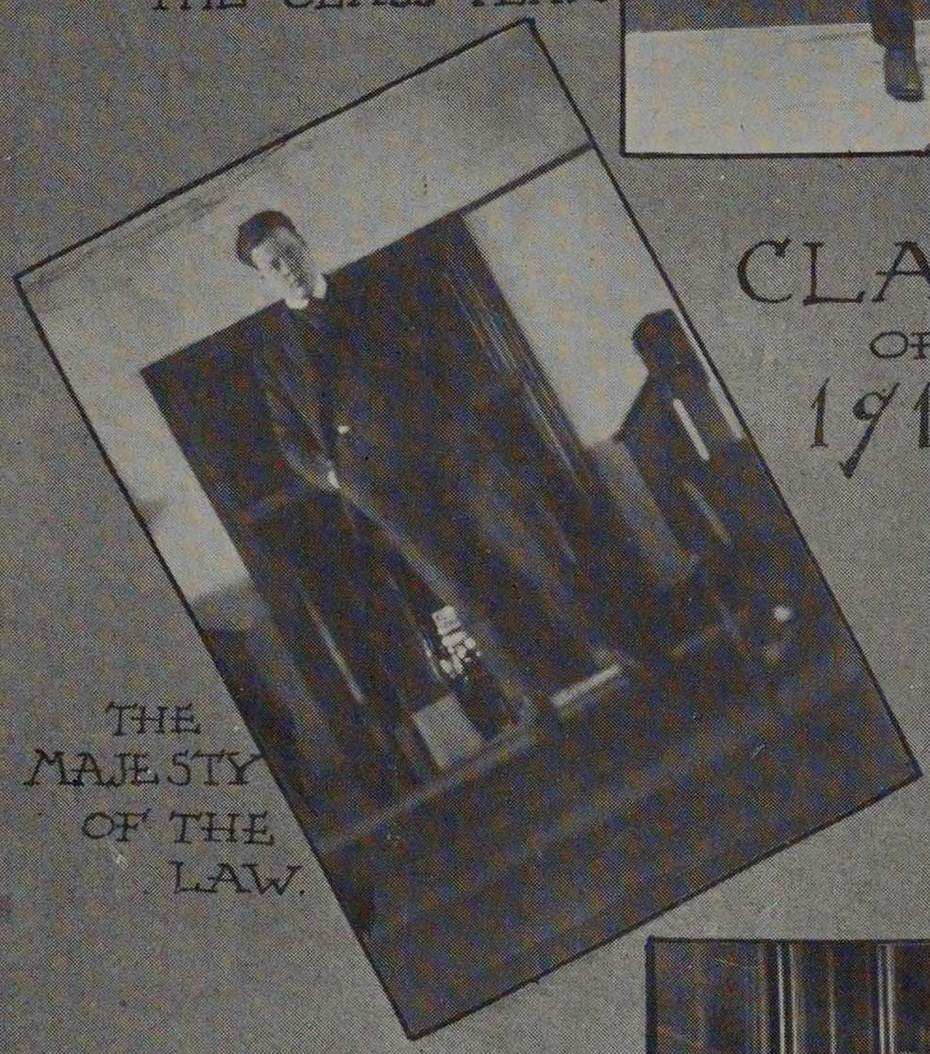


THE YELL LEADER

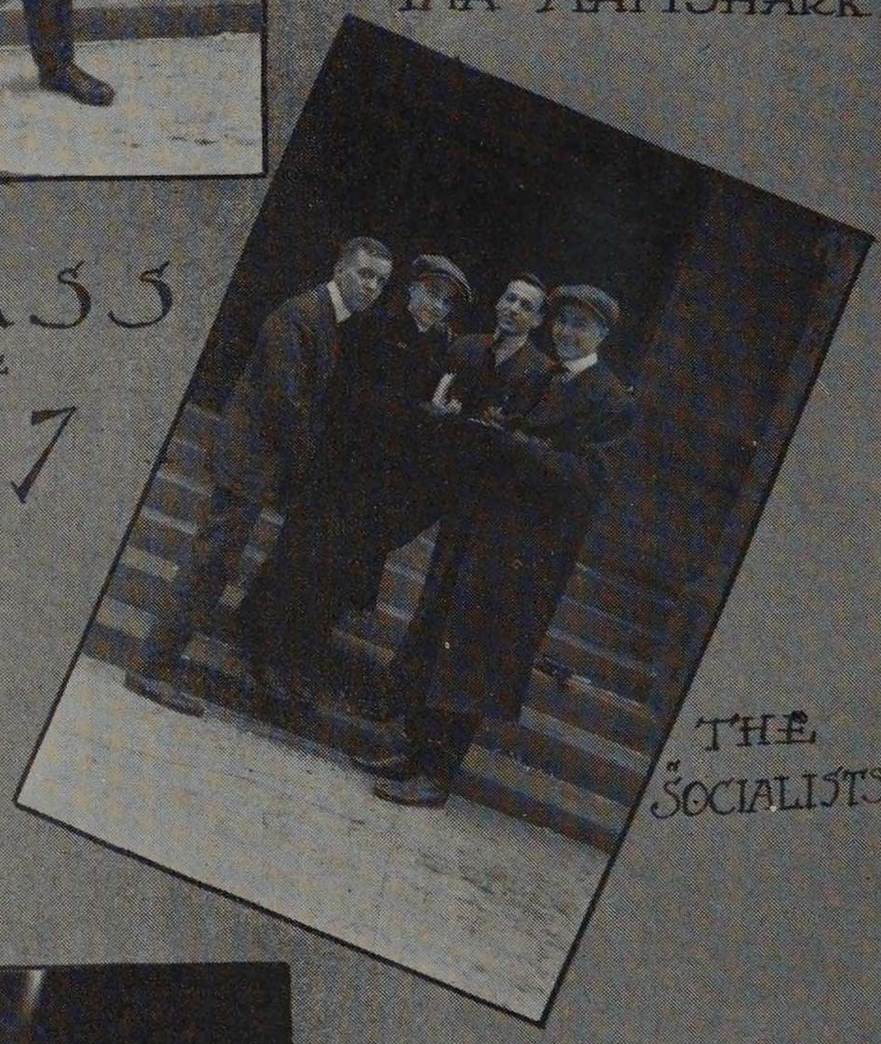


IMA MATTSHARK

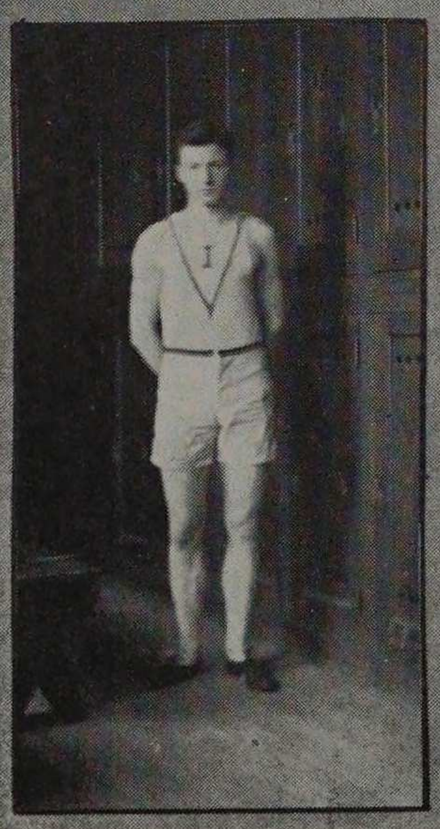
CLASS OF 1917



THE MAJESTY OF THE LAW.

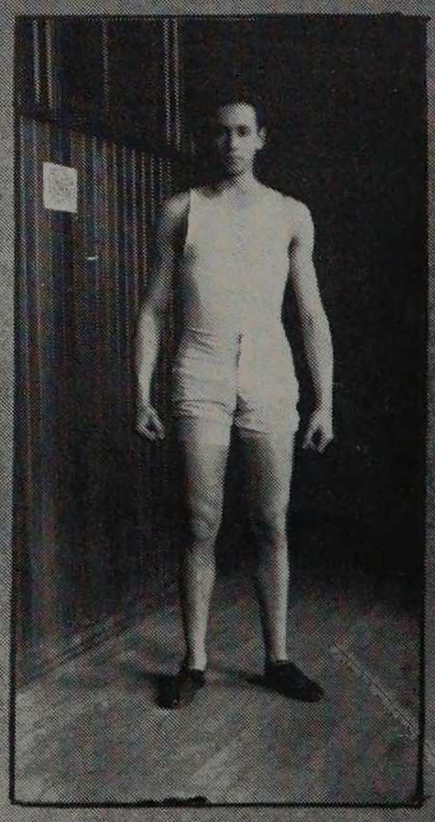


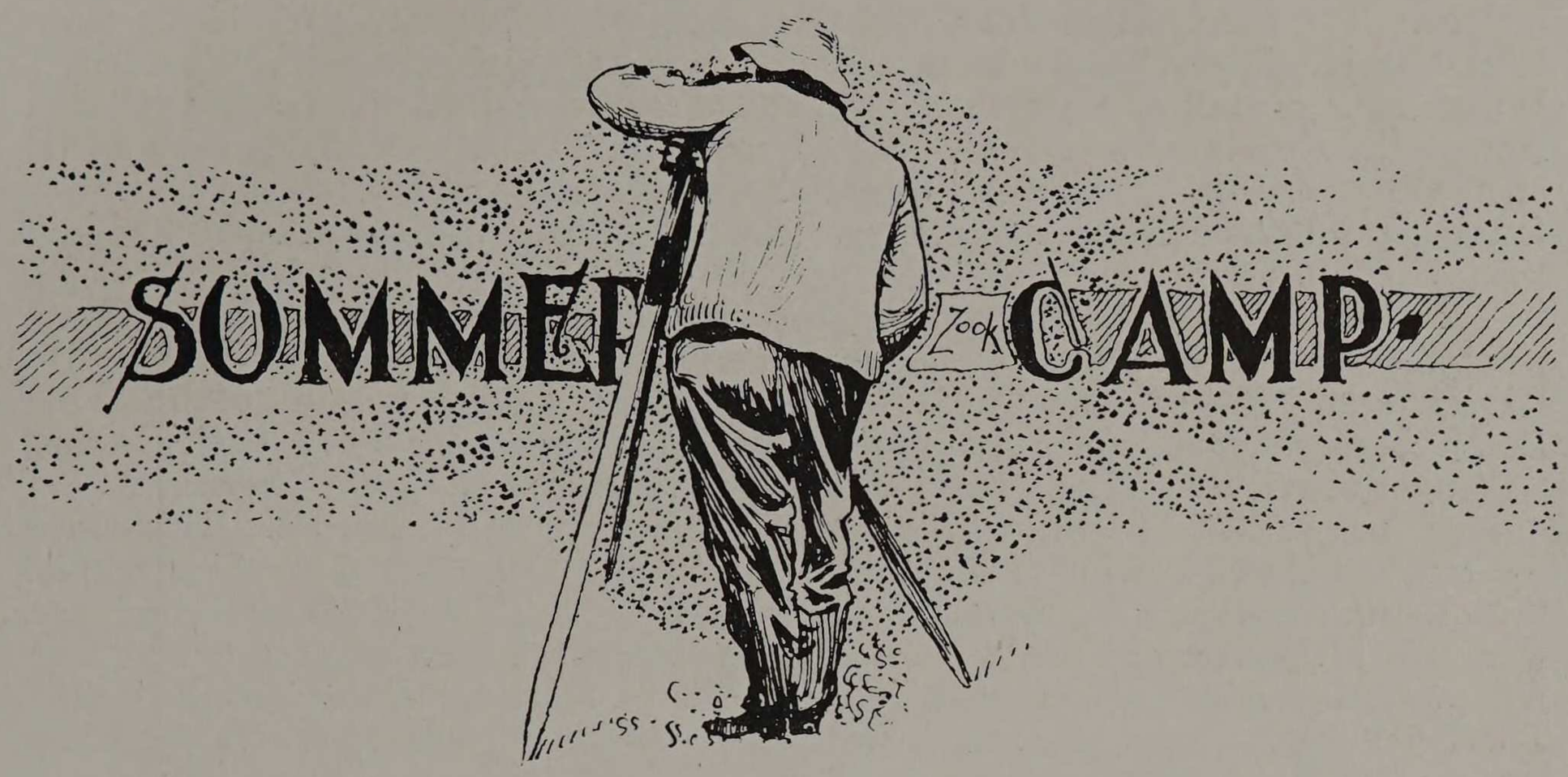
THE "SOCIALISTS"





ONE OF THE '17 MEN





The Civils' Camp. 1913

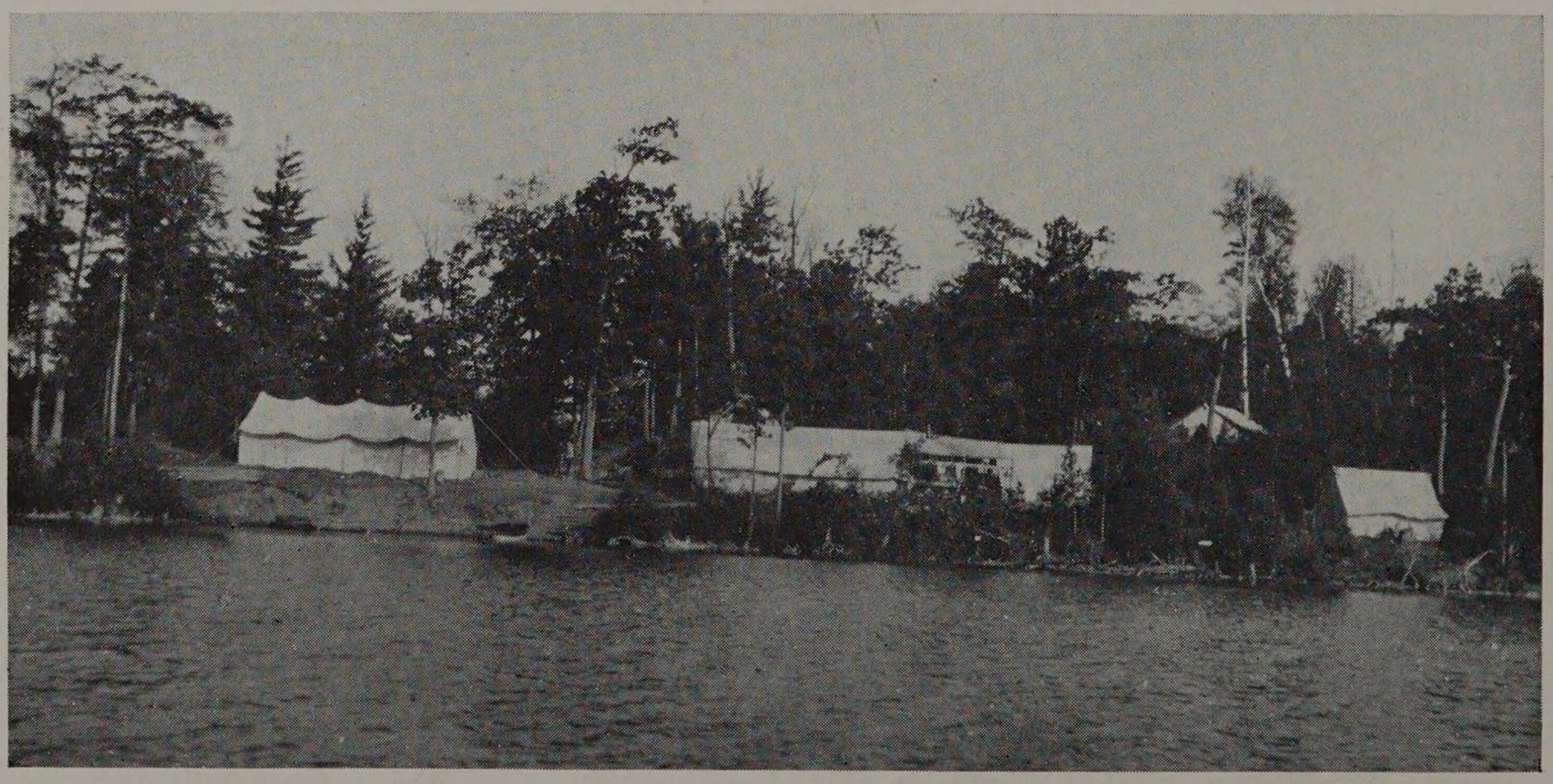
On June 6th, a happy bunch of Civils departed for their camp in the cool north woods of Wisconsin. This year the camp site was on the shore of Little Tomahawk Lake, and with the innumerable other small lakes within a few miles radius, all set in virgin forests of pine, the site proved an idealistic one. And so it was an expectant crowd that piled out of the limited the next day at Minocqua. The trip was made in fine shape and all remained together as far as Tomahawk Lake, where Kornfield held such ardent conversation with the pretty post-mistress, that he consequently missed the train.

We soon arrived at Minocqua and as the ferry to camp was not to leave for an hour or so, we inspected the "burg" pretty thoroughly. The "Merry Mucilage" parlors seemed to be in the majority and although the gilded fronts attracted, our interest was centered on the combination cigar, candy, ice cream, general merchandise store and post-office where the "girl in red" held reign. When the launch did arrive, all hands were on deck and the start for camp was made. To the ravenous ones—we had neither breakfast nor dinner—it was some ride. After passing through "steen" lakes we at last reached the camp. Tent mates were picked and as the tent floors had to be put in, our budding carpenters burst forth. The call for supper saw everything in readiness for our six weeks stay. But let us see "who's who and where" in the colony.

The mess tent, the ever popular tent, was presided over by "Chef" George Kusky, assisted by "Cookee" Paulson. Directly opposite was the Drafting tent, wherein which we seldom labored. Next came the instrument tent which harbored "Brother" Knuepfer, who acted in the dual capacity of instrument-man and commissary. Knuepfer, when he wasn't having trouble with the launch or running the same into the boathouse, was the recipient of numerous song dedications. Chief among these was that wonderful ditty by "Bugs" Penberthy entitled "Brother

Kneupfer may we go for a sail!" The next stop was the Central Hot Air station where Professors Phillips and Penn discussed plans. It bore a sign, "We close at nine." Its meaning, but what's the use;—we had to have our notes in by nine o'clock. The family next door, the Dingbats, numbered "Mac Which," "Mac Who," McHugh, who informs us that Rhinelander has quite some girls,"Woodzecki" Wilcox, who proved to be some fusser, "Al" Wermuths and Omar Grant O'Grady. Among the prominent members of the Morgue was "Trink" Trinkaus, beloved by all the mosquitoes. But Trink's dope ball had all the Ty Cobbs in Onieda County fanning the balsam laden atmosphere. Trink's partner in their comedy line was "Bugs" Penberthy, a product of Lane college. When "Penny" wasn't causing "Teddy" Kiene to utter words of (asbestos paper would be needed if same were printed, so we desist) he was writing some new song. To share the tent with "Trink" and "Penny" was the fate of "Aeroplane" Hahn, the man of letters,—(five a day from home) and "Pessimist" Simpson, whose contribution to science was, "You got the ticks." The Hobo Hotel had as its guests "Ragtime" Sevin,who cut quite a dash at that Minocqua ball; Kadinsky, Grodsky and Wilensky. This ended the tents on the right wing of the camp. Proceeding to the left side we enter upon "Capt. Formaldehyde," Sullivan's domain. With him, housed in Hooligan Flats, were "Len" Zeman, who could favor us with Casey Jones on all occasions; "Art" Alter, whose familiar wheeze was, "Let's walk to Tomahawk and get the mail." This brings us to Seldom Inn, the home of the good old faithful "Warhorse" Siedenstrang; Gillidette, of flagpole fame; and "Pipe" Kornfeld. We are now at the outskirts of the camp, and see before us the home of the hard workers, the Rathskeller. The Rathskeller housed "Smitty" Smith, "Bill" Lindblom, and last, but by no means least, that celebrated character, "Texas" Kiene, otherwise termed "Idaho" or "Teddy."

Business for the next two days, Saturday and Sunday, resolved into getting a lay of the land. Monday saw everyone start with a vim and for the next two weeks the interest was held more or less in the newness of things. But soon a restlessness set in. It cropped out one night in a mysterious storm. About one o'clock G. M. the persons of Sevin, Wilensky, Grodsky, and Kadinsky in the Hobo Hotel were subjected to a somewhat cold shower accompanied by a collapse of said hotel. The evidences left were a few buckets, cups, etc. With this off their minds, the cabaret performers returned to the Dingbat's ballroom. The principles were "Trink," doing a song and dance specialty (the dance being done in his spiked baseball shoes),



Summer Camp View

and McHugh and Penberthy giving their own versions of the tango. On June 18th, the social bunch journeyed to Minocqua to attend the high school dance. One bone a throw and for that you received a ribbon (like the Tau Bet pledge ribbon) and were admitted. The affair was voted a good time and at 1:00 o'clock the start was made for home. We were Ida May (ing) along fine when one cylinder started missing. Knuepfer decided to test the vibrators and gave the wheel to "Texas." In so doing he lost his direction and it was a sorry bunch that pulled in next morning after drifting about all night on the lake.

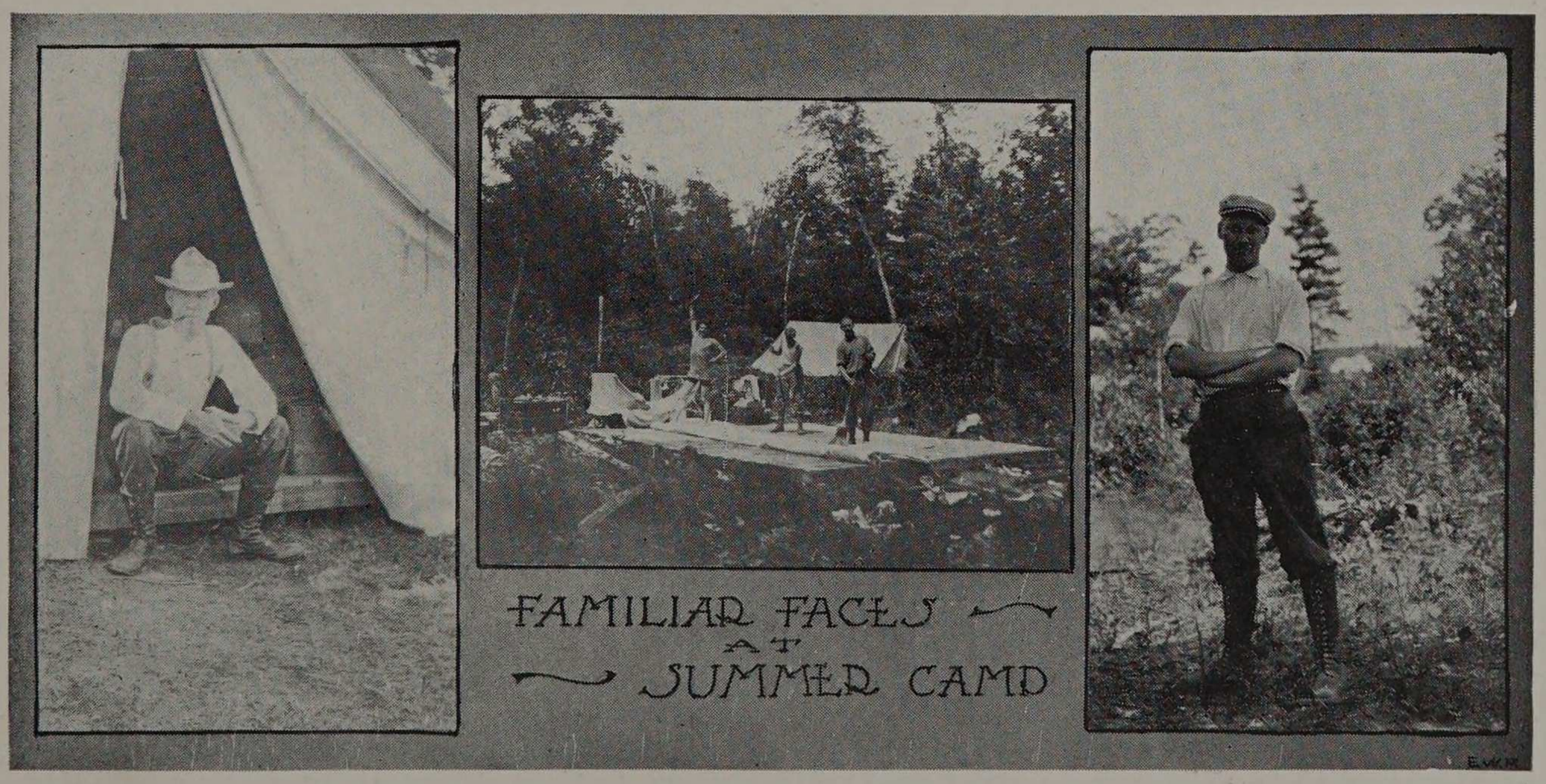
The swimming about this time was just getting fine and twice daily the Kellerman's would perform, chief among us being Siedenstrang in the act of diving. Also, "don't hit me on that shoulder I'm sun-burned."

But now, and alas, we are about to take topography. As you well know, gentlemen, that requires the writing up of "dose dere" stadia notes. Enuf said. So you see our nights were pretty well taken up—mosquitoes: and more mosquitoes: stadia notes: and more stadia notes: and then quietly stealing down into the Cook's cake box for our top-off. Though the camp was pretty well wooded, the ball tossers managed to keep in trim and the challenge from the Minocqua White Sox was quickly accepted. Under the captaincy of Trinkaus the camp "Neversweats" played a superior article of ball only to crack before a ninth inning rally which netted the White Sox three runs and the victory, 8 to 7. "Trink's" dope ball had them all going, but his support failed at the wrong time.

The following week the railroad magnets (magots) gathered and it was decided to run several lines of railroad. There might be nothing to this, but all the roads seemed either to start or to end at Mess. Johnson's Camp.

So far during the stay the weather could not be improved upon, with the rain coming often enough to suit all (no work when it rains). The 4th passed quietly and with Hahn, Simpson, Trinkaus, and McHugh celebrating at Rhinelander and Keine, Smith and Penberthy at Park Falls, the rest of the camp celebrated joyously on O'Grady's Brazilian fudge. The next Saturday the camp team set off for Rhinelander and were again beaten in the ninth. This time it was 12 to 11.

This brings us to the last week and with the thought of home everyone toiled to clean up the work. Thursday noon the word was given to break camp. No sooner said than done. In two hours the tents were down and the nine o'clock train saw the end of a most successful camp.



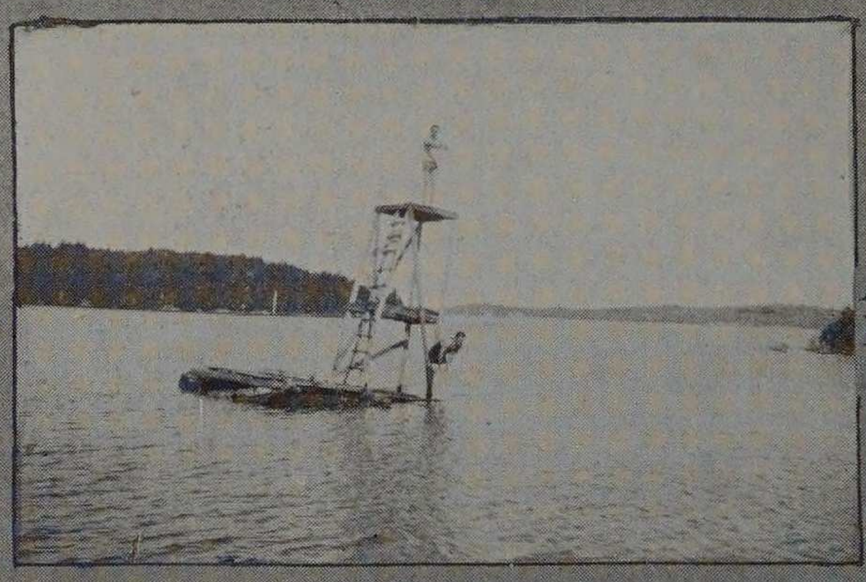


RAISING "OLD GLORY"

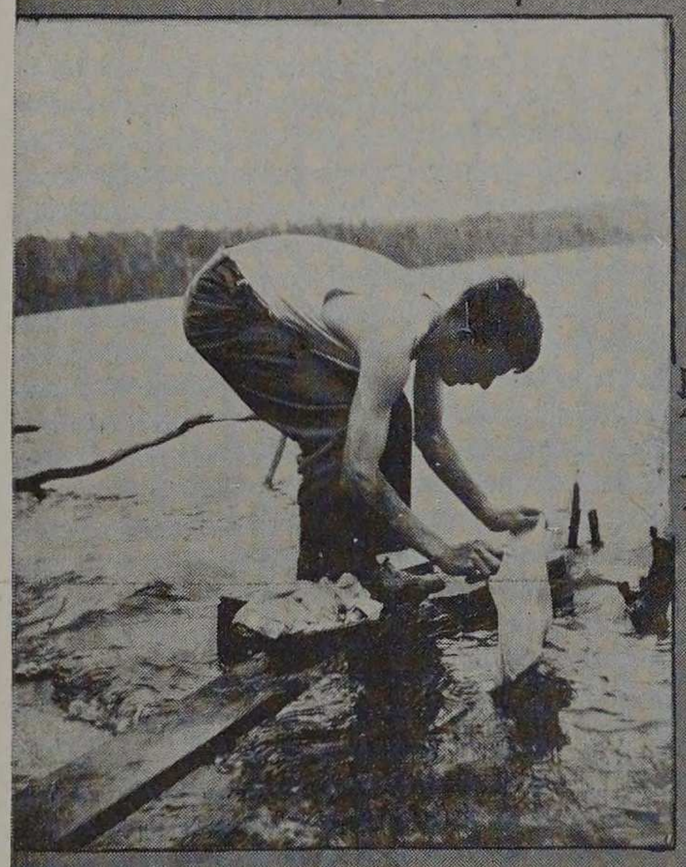
A·I·T SUMMER CAMP 1931



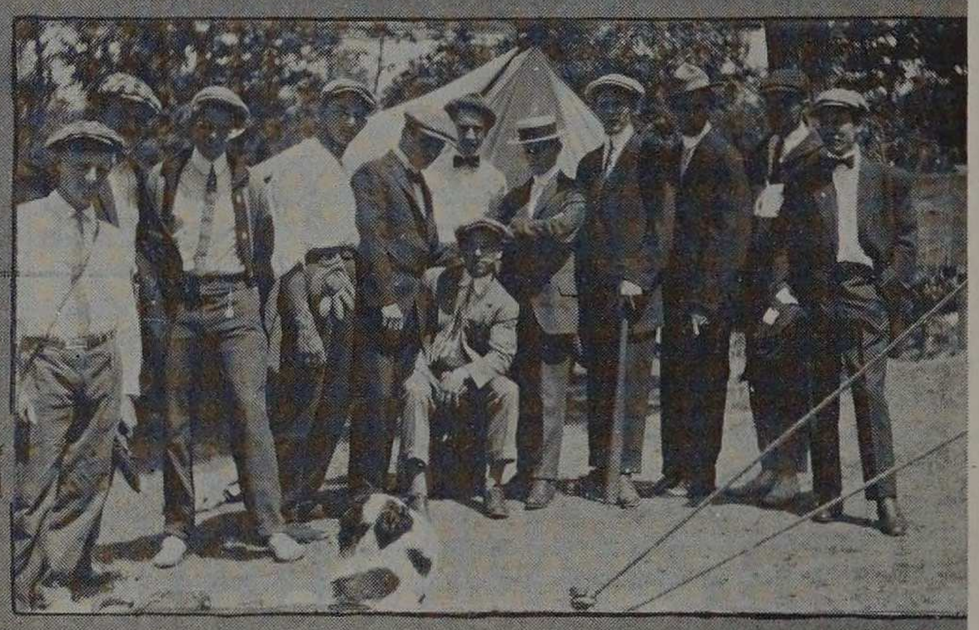
"THE SHIP"



A COOL PLACE ON A HOT DAY



DOING THE FAMILY WASH



THE BUNCH

READY FOR A SWIM





TAKING THINGS EASY



WORKING COSTUME

EWB

THE MASCOT



ORGANIZATIONS



BOOK THREE

FRATERNITIES



Phi Kappa Sigma

Delta Tau Delta

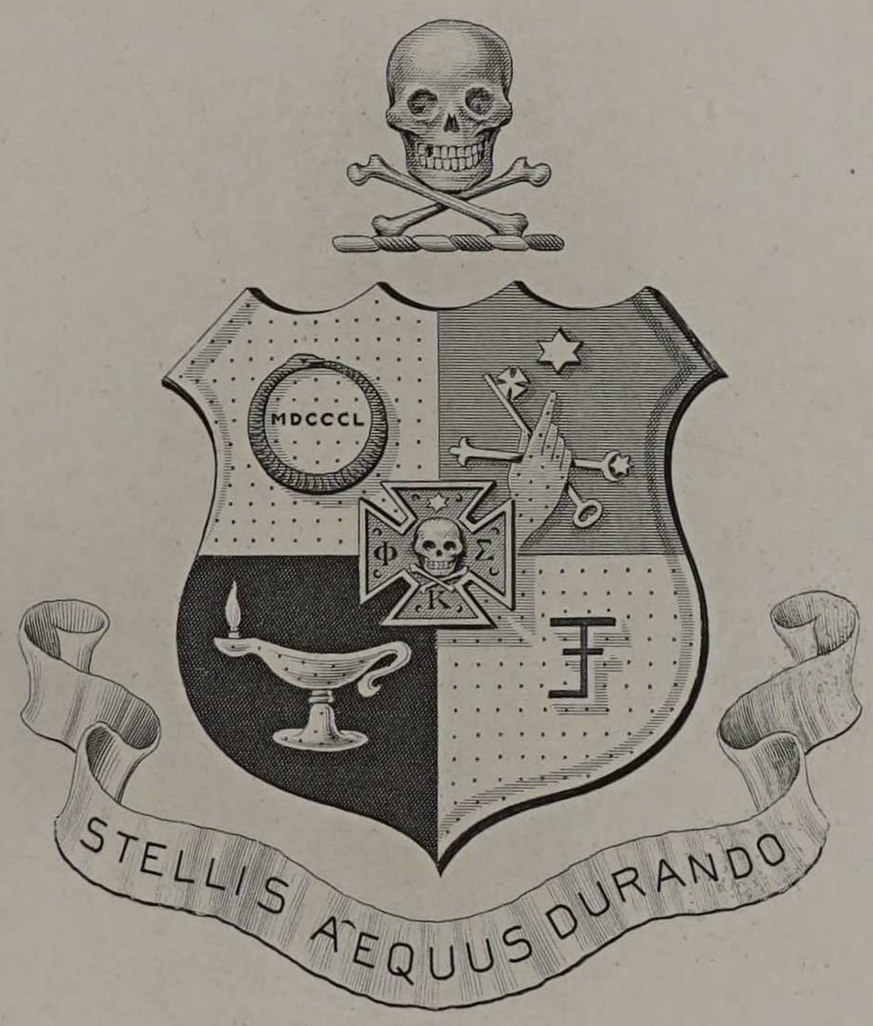
Tau Beta Pi

Eta Kappa Nu

Omega Lambda

Sigma Kappa Delta

Beta Phi



Dreka, Phila.
Design Patent applied for

Phi Kappa Sigma

CHAPTER ROLL

FOUNDED AT THE UNIVERSITY OF PENNSYLVANIA, 1850

Alpha 1850	UNIVERSITY OF PENNSYLVANIA
Delta 1854	WASHINGTON AND JEFFERSON
Epsilon 1854	DICKINSON COLLEGE
Zeta 1854	UNIVERSITY OF VIRGINIA
Iota 1855	COLUMBIA UNIVERSITY
Mu 1858	TULANE UNIVERSITY
Rho 1872	UNIVERSITY OF ILLINOIS
Tau 1872	RANDOLPH-MACON COLLEGE
Upsilon 1872	NORTHWESTERN UNIVERSITY
Phi 1873	RICHMOND COLLEGE
Psi 1890	PENNSYLVANIA STATE COLLEGE
Alpha Alpha 1894	WASHINGTON AND LEE UNIVERSITY
Alpha Gamma 1896	UNIVERSITY OF WEST VIRGINIA
Alpha Delta 1898	UNIVERSITY OF MAINE
Alpha Epsilon 1898	ARMOUR INSTITUTE OF TECHNOLOGY
Alpha Zeta 1899	UNIVERSITY OF MARYLAND
Alpha Theta 1901	UNIVERSITY OF WISCONSIN
Alpha Iota 1902	VANDERBILT UNIVERSITY
Alpha Kappa 1903	UNIVERSITY OF ALABAMA
Alpha Lambda 1903	UNIVERSITY OF CALIFORNIA
Alpha Mu 1903.	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Alpha Nu 1904	GEORGIA SCHOOL OF TECHNOLOGY
Alpha Xi 1905	PURDUE UNIVERSITY
Alpha Omicron 1905	UNIVERSITY OF MICHIGAN
Alpha Pi 1906	UNIVERSITY OF CHICAGO
Alpha Rho 1911	CORNELL UNIVERSITY

Phi Kappa Sigma

ALPHA EPSILON CHAPTER

Chartered June 8th, 1898

Faculty

JOHN J. SCHOMMER, CHICAGO, '10

Seniors

HUBERT ELMORE WILLSON
HAROLD DICKINSON GUMPPER
CHARLES EGBERT GLEASON
JOHN HENRY MCCORMACK
PHILIP FENTON AUER
JOHN JUCKER, JR.
FREDERICK LUCIUS BREWER
ROBERT GRANT BOHN
STEPHEN PILLSBURY WALKER

Juniors

CHARLES THOMAS PHILLIPS
GEORGE WILLIAM SPROESSER
JAMES FRASIER EALES
HAROLD EDMUND ANNING
IVAR ROY SWANSON
FRED LINDSAY WARD
ELMER JOHN SIEH
JOHN JOSEPH WINDSOR
LINTER HOMAN
STANLEY WILLIAM ANDERSON
FREDERICK HARRY WAGNER
CLAUDE ALBERT KNUEPFER

Sophomores

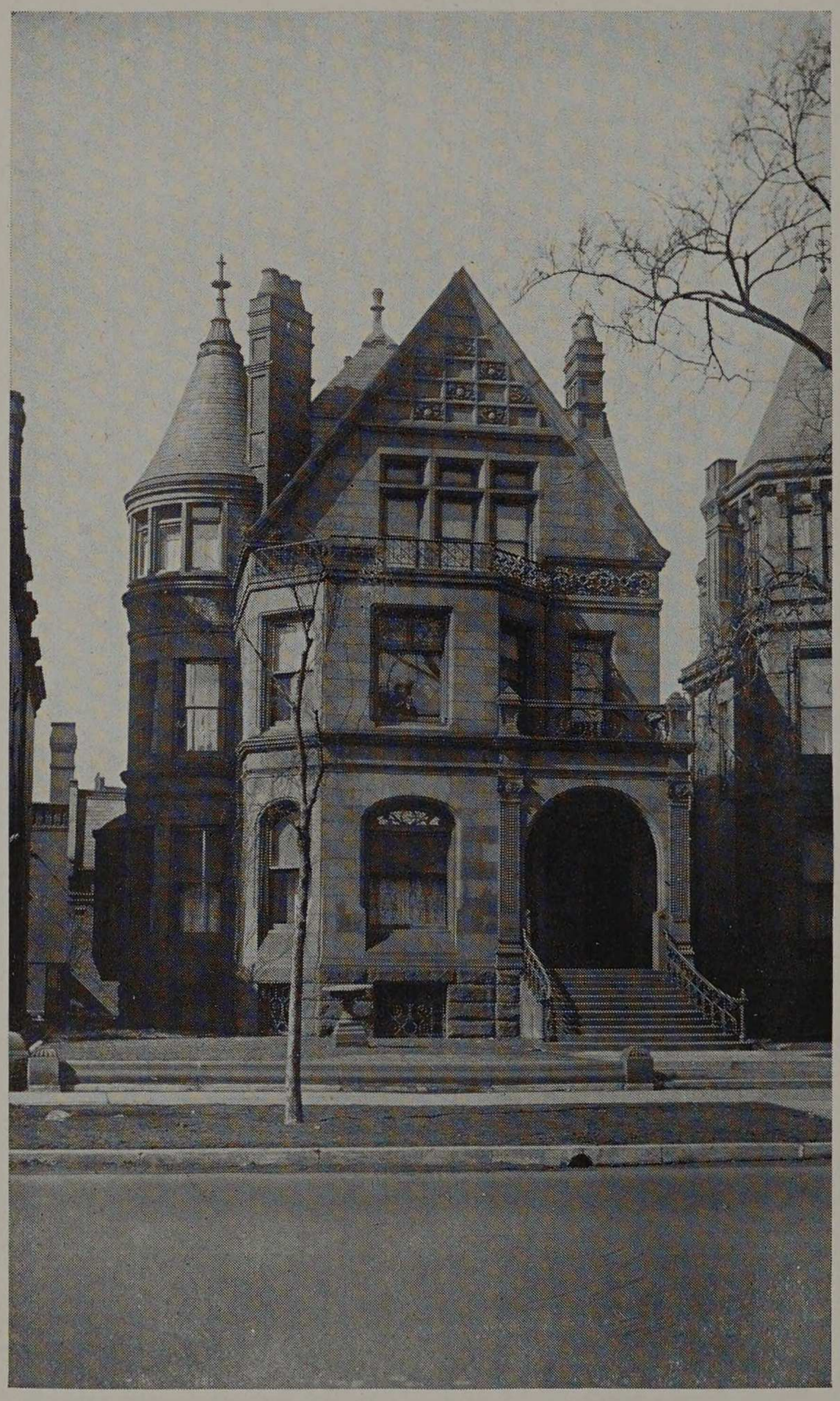
JULES FRANCIS BOAND
CHARLES LAWRENCE BOLTE
RICHARD FULLER DURANT
EMERSON REXFORD EAMES
ARTHUR MATSON WENGEL
CLAUDE HILL

Pledged

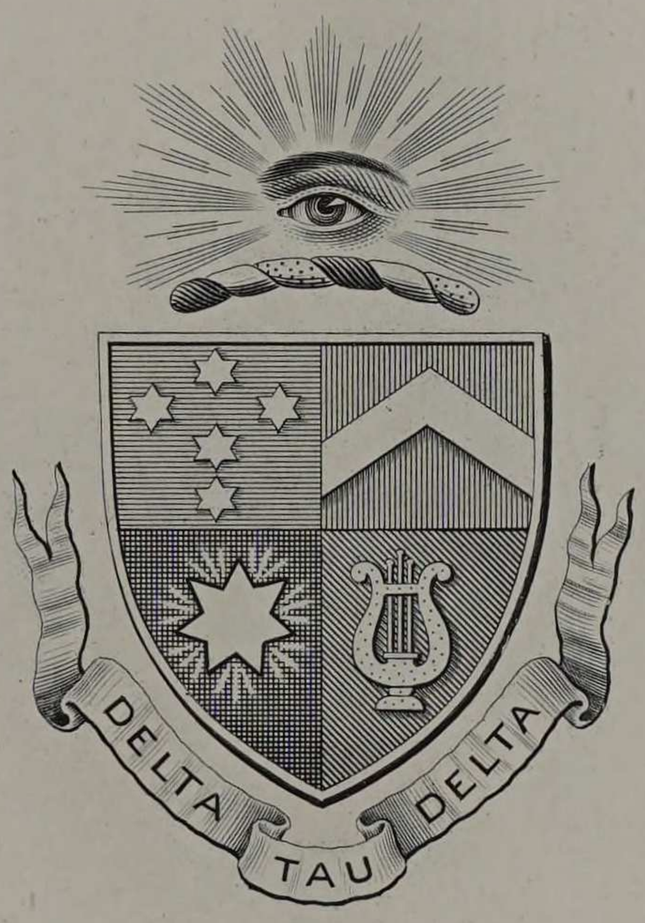
WALTER HARDEN STUEBING
CLAUDE SPENCER LAMB
LAWRENCE KENNETH FRITTS
HAROLD S. WHITE
LEONARD ELGAR STARKEL
LEONARD ALEX. FOSCHENBAUER
HOWARD BYERS STAFFORD
JEAN PIERRE BECHAND
FREEMAN YORTE WHEELER



Top Row—Hill, Willson, Anderson, Lamb, Eames, Wengel, Auer. Second Row—Knuepfer, Sproesser, Gleason, Brewer, Anning, Bolte, Durant. Third Row—Wagner, Windsor, Jucker, Gumpper, Boand, Swanson Bottom Row—Fritts, Foschenbauer, Stafford, Wheeler, Starkel, White, Stuebing.



Phi Kappa Sigma House



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1908

Dreka, Phila.

Delta Tau Delta

FOUNDED AT BETHANY COLLEGE IN 1859

CHAPTER ROLL

SOUTHERN DIVISION

Lambda 1881	VANDERBILT UNIVERSITY
Phi 1898	WASHINGTON AND LEE UNIVERSITY
Beta Epsilon 1882	EMORY COLLEGE
Beta Theta 1883	UNIVERSITY OF THE SOUTH
Beta Iota 1889	UNIVERSITY OF VIRGINIA
Beta Xi 1889	TULANE UNIVERSITY
Gamma Eta 1903	GEORGE WASHINGTON UNIVERSITY
Beta Delta 1912	UNIVERSITY OF GEORGIA

WESTERN DIVISION

Omicron 1880	UNIVERSITY OF IOWA
Beta Gamma 1888	UNIVERSITY OF WISCONSIN
Beta Eta 1883	UNIVERSITY OF MINNESOTA
Beta Kappa 1883	UNIVERSITY OF COLORADO
Beta Pi 1893	NORTHWESTERN UNIVERSITY
Beta Rho 1893	LELAND STANFORD, JR., UNIVERSITY
Beta Tau 1894	UNIVERSITY OF NEBRASKA
Beta Upsilon 1874	UNIVERSITY OF ILLINOIS
Beta Omega 1898	UNIVERSITY OF CALIFORNIA
Gamma Alpha 1900	UNIVERSITY OF CHICAGO
Gamma Beta 1901	ARMOUR INSTITUTE OF TECHNOLOGY
Gamma Theta 1902	BAKER UNIVERSITY
Gamma Kappa 1905	UNIVERSITY OF MISSOURI
Gamma Mu 1908	UNIVERSITY OF WASHINGTON
Gamma Pi 1911	IOWA STATE COLLEGE
Gamma Rho 1911	UNIVERSITY OF OREGON

NORTHERN DIVISION

Beta 1862	OHIO UNIVERSITY
Delta 1874	UNIVERSITY OF MICHIGAN
Epsilon 1876	ALBION COLLEGE
Zeta 1882	WESTERN RESERVE UNIVERSITY
Kappa 1867	HILLSIDE COLLEGE
Mu 1866	OHIO WESLEYAN UNIVERSITY
Chi 1881	KENYON COLLEGE
Beta Alpha 1887	INDIANA UNIVERSITY
Beta Zeta 1871	INDIANAPOLIS UNIVERSITY
Beta Delta 1875	DE PAUW UNIVERSITY
Beta Phi 1894	OHIO STATE UNIVERSITY
Beta Psi 1894	WABASH COLLEGE
Gamma Delta 1902	UNIVERSITY OF WEST VIRGINIA
Gamma Lambda 1907	PURDUE UNIVERSITY
Psi 1910	WOOSTER UNIVERSITY
Gamma Xi 1910	UNIVERSITY OF CINCINNATI

EASTERN DIVISION

Delta 1863	ALLEGHENY COLLEGE
Gamma 1861	WASHINGTON AND JEFFERSON COLLEGE
Nu 1906	LAFAYETTE COLLEGE
Rho 1874	STEVENS INSTITUTE OF TECHNOLOGY
Upsilon 1879	RENSSELAER POLYTECHNIC INSTITUTE
Omega 1897	UNIVERSITY OF PENNSYLVANIA
Beta Lambda 1889	LEHIGH UNIVERSITY
Beta Mu 1889	TUFTS COLLEGE
Beta Nu 1889	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Beta Omicron 1890	CORNELL UNIVERSITY
Beta Chi 1896	BROWN UNIVERSITY
Gamma Gamma 1902	DARTMOUTH COLLEGE
Gamma Epsilon 1902	COLUMBIA UNIVERSITY
Gamma Zeta 1904	WESLEYAN UNIVERSITY
Gamma Nu 1908	UNIVERSITY OF MAINE
Gamma Omicron 1912	SYRACUSE UNIVERSITY
Tau 1912	PENNSYLVANIA STATE COLLEGE

Delta Tau Delta

GAMMA BETA CHAPTER

Chartered May 10th, 1901.

Seniors

Joseph Calvin Norton
Walter Herman Hallstein
Joseph Charles Wright
Charles Abbot Dean
Albert Nicholas Koch
Thomas Cornish Bolton
Eugene Charles Lang
Harold Francis Nertney
Allen Leonard Carver

Juniors

Joseph Frederick Chamberlin
Frank George Cooban
Edouard Mars Kratz
Lyman Withrow Close
Herbert Paterson Sherwood
Walter Henry Rietz
Thomas Francis Sullivan

Sophomores

Warren Hastings Hamilton
Henry Bland
Pierre Blouke
Estes Wilson Mann
Joseph E. Sullivan
Howard L. Walbrecht
Clarence Winfield Farrier
George Rice

Pledged

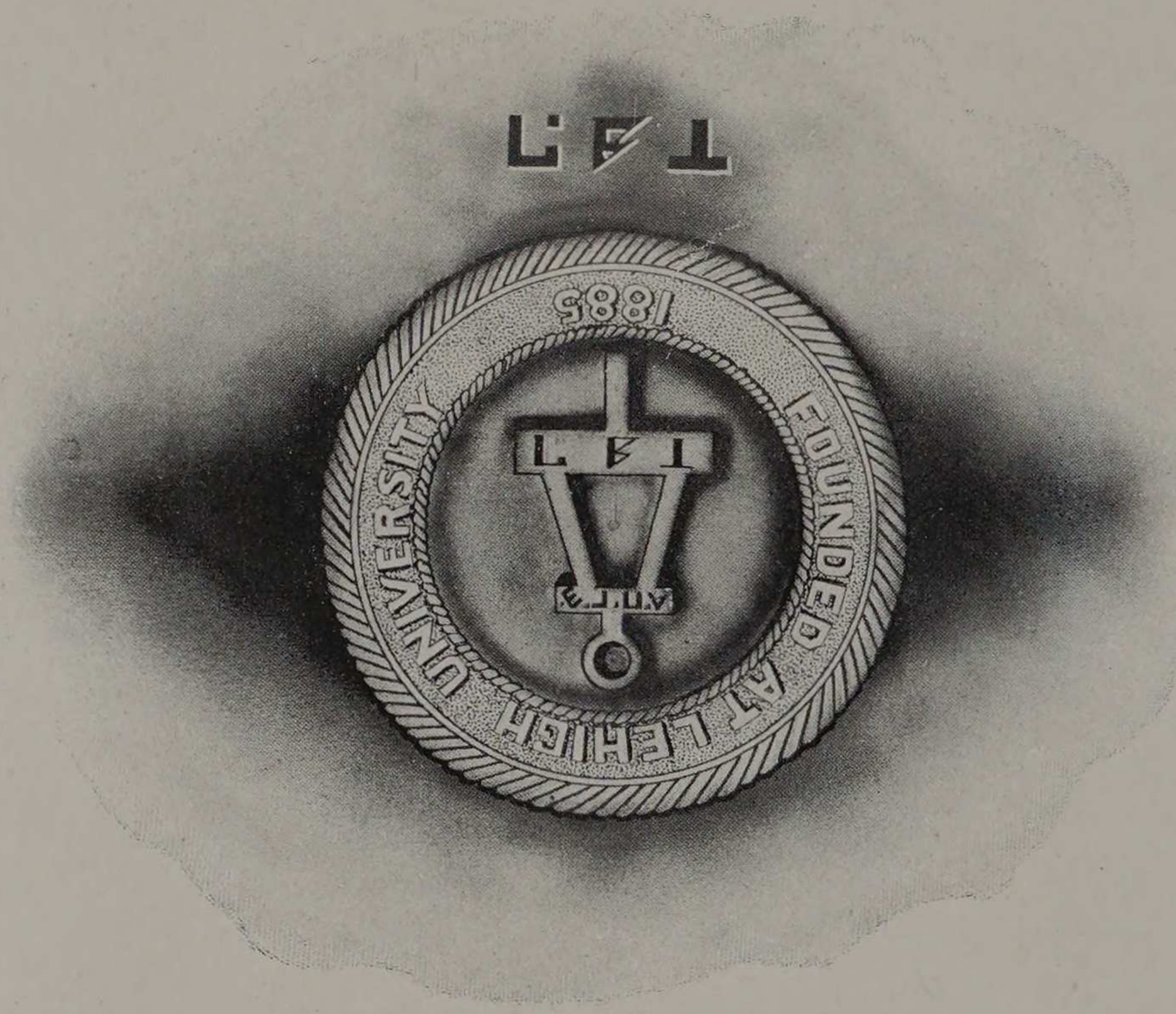
Harry Roberts
Harold Strandberg
Paul McGrath
Harold Ingram
Robert Rough
Loyd Mellor
Eugene Harmon
Harold Hanchette
David Goe



Top Row—J. Sullivan, Hamilton, Chamberlin, Mann, Sherwood, Farrier. Second Row—T. Sullivan, Carver, Bland, Blouke, Walbrecht. Third Row—Dean, Rietz, Close, Norton, Kratz, Wright. Bottom Row—Koch, Hallstein, Holden, Cooban, Bolton, Lang.



Delta Tau Delta House


LEHIGH
UNIVERSITY
FOUNDED AT LEHIGH
1885

Tau Beta Pi

CHAPTER ROLL

FOUNDED AT LEHIGH UNIVERSITY IN 1885

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 1899	ALPHA OF WISCONSIN
Case School of Applied Science 1900	ALPHA OF OHIO
University of Kentucky 1902	ALPHA OF KENTUCKY
Columbia University 1902	ALPHA OF NEW YORK
University of Missouri 1902	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 1908	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 1911	ALPHA OF MAINE
Pennsylvania State College 1912	BETA OF PENNSYLVANIA
University of Washington 1912	ALPHA OF WASHINGTON

Tau Beta Pi

BETA CHAPTER OF ILLINOIS

Chartered April 6th, 1906

Faculty Members

E. H. Freeman, Armour '02.
C. W. Leigh, Illinois '87.
E. S. Libby, Armour '02.
D. P. Moreton, Armour '06.
J. C. Peebles, Armour '04.
H. L. Nachman, Armour '02.
O. C. Ostergren, Armour '08.
J. C. Penn, Armour '05.
R. V. Perry, Armour '97.
Daniel Roesch, Armour '98.
M. B. Wells, Purdue '94.

Honorary Members

H. M. Raymond, Dean of the Engineering Studies
G. F. Gebhardt, Professor of Mechanical Engineering
A. E. Phillips, Professor of Civil Engineering

Seniors

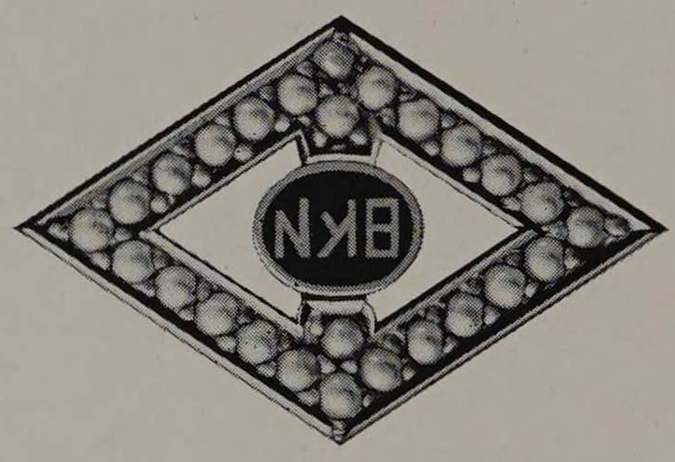
Philip F. Auer
Charles A. Dean
Walter M. Ehrlich
Arthur G. Eliel
Harry E. Erickson
Fred D. Farrar
Francisco Fernandez
Joel A. Pomerene
Harold F. Smith
Stephen P. Walker
Mathew J. Fleming
William H. Goetz
Clark C. Heritage
Albert N. Koch
Leslie C. Meyer
Edward L. Nelson
Edgar G. Zack
Herman D. Roller
John W. Turner
Chester E. Wolfley
Herbert E. Jedamske

Juniors

William V. Lindblom
George Sproesser
Archie B. Griffith
Walter H. Rietz
Joseph C. Norton
Theodore K. Pfafflin
Walter Borroughs



Top Row—Fernandez, Erickson, Heritage, Smith, Turner. Second Row—Nelson, Lindblom, Koch, Zack, Pomerene, Ehrlich. Third Row—Peebles, Libby, Gebhardt, Perry, Roesch. Fourth Row—Meyer, Eliel, Fleming, Jedamske, Farrar, Penn. Bottom Row—Dean, Auer, Wolfley, Roller, Goetz.


NKB

Eta Kappa Nu

ELECTRICAL

FOUNDED AT THE UNIVERSITY OF ILLINOIS, 1904

CHAPTER ROLL

Alpha . . . . UNIVERSITY OF ILLINOIS, URBANA, ILL.
Beta . . . . PURDUE UNIVERSITY, WEST LAFAYETTE, IND.
Gamma . . . . OHIO STATE UNIVERSITY, COLUMBUS, OHIO
Delta . . . . ARMOUR INSTITUTE OF TECHNOLOGY, CHICAGO, ILL.
Epsilon . . . PENNSYLVANIA STATE COLLEGE, STATE COLLEGE, PA.
Zeta . . . CASE SCHOOL OF APPLIED SCIENCE, CLEVELAND, OHIO
Theta . . . . UNIVERSITY OF WISCONSIN, MADISON, WIS.
Iota . . . . UNIVERSITY OF MISSOURI, COLUMBUS, MO.
Kappa . . . . . CORNELL UNIVERSITY, ITHACA, N. Y.
Lambda . . . . UNIVERSITY OF PENNSYLVANIA, PHILADELPHIA, PA.

PITTSBURG ALUMNI CHAPTER, PITTSBURG, PA.

CHICAGO ALUMNI CHAPTER, CHICAGO, ILL.

NEW YORK ALUMNI CHAPTER, NEW YORK, N. Y.

Eta Kappa Nu

DELTA CHAPTER

Chartered 1909

Faculty

H. W. Nichols, '08.

Seniors

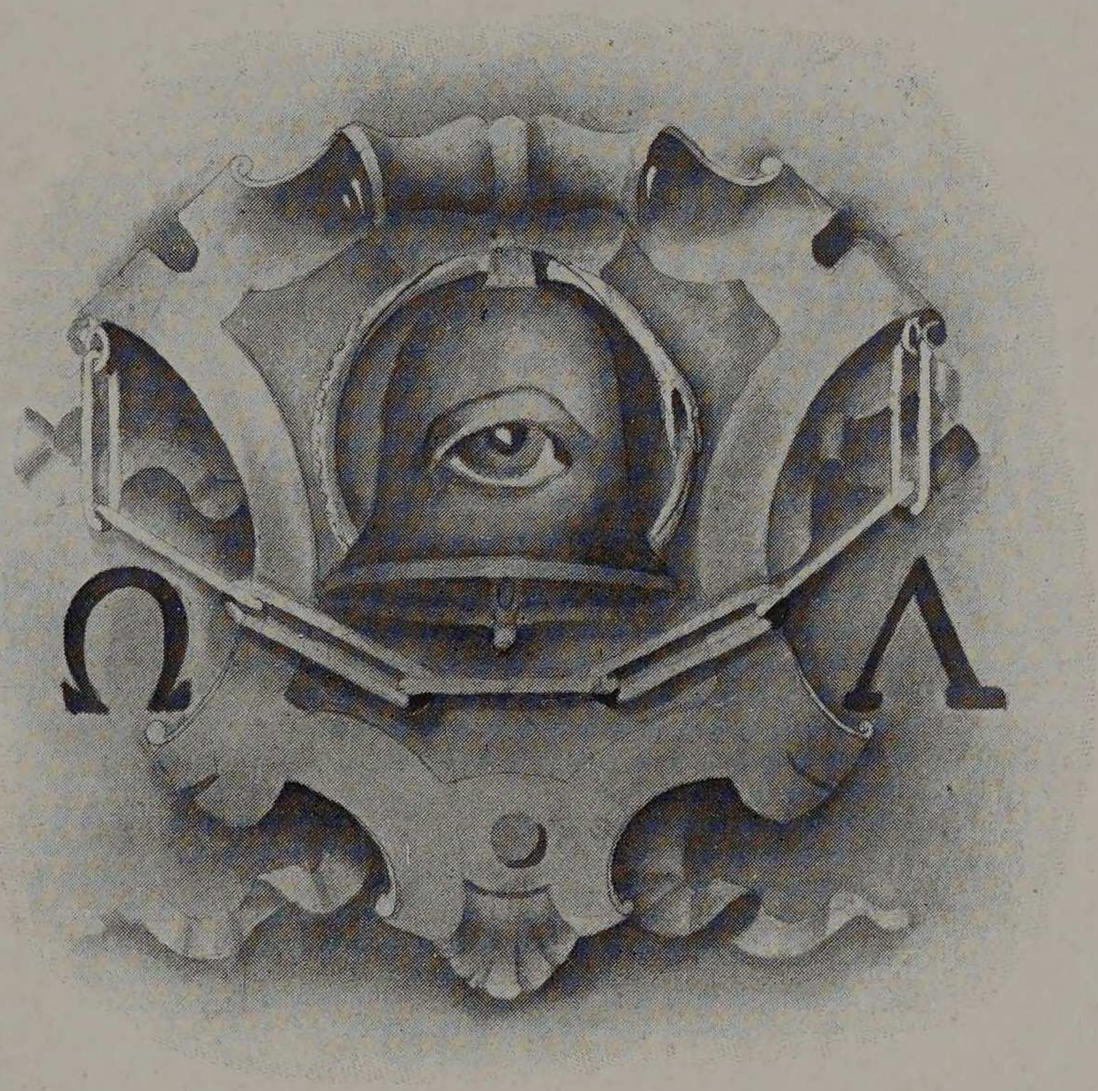
John R. Charlton
John W. Turner
Robert W. Whitmore
Harry L. Case
Edward L. Nelson
Thomas C. Bolton
Arthur F. Schoembs
Francisco Fernandez
Clarence L. Wetzel
Frank A. Swanson
Eugene C. Lang

Juniors

Walter S. Pfeiffer
Walter Borroughs
Chester F. Wright
Roy Hupp.



Top Row—Swanson, Nelson. Second Row—Fernandez, Nichols, Wetzel. Third Row—Schoembs, Turner, Case, Whitmore. Bottom Row—Charlton, Bolton, Lang.



Omega Lambda

LOCAL

Organized October 21st, 1908

Faculty

ROBERT V. PERRY, Armour '97
JOHN C. PENN, Armour '05
EARL W. MCMULLEN, Armour '09

Seniors

GLEN C. CARNAHAN
OLIVER A. DECELLE
WALTER M. EHRLICH
FRED D. FARRAR
JENS A. HOLMBOE
HERBERT E. JEDAMSKE
HENRY D. ROLLER
CHESTER E. H. WOLFLEY
EDGAR G. ZACK
ROSCOE H. ZOOK

Juniors

LESTER S. DOWNEY
LEONARD D. HOOK
ROY HUPP
CECIL E. PATERSON
WALTER S. PFEIFER
EDWARD D. PIERRE

Sophomores

HAROLD M. BUCK
ELLIS S. ECHLIN
EVERETT D. GOTHWAITE
C. ARNOLD GRASSE
CHARLES S. HAMILTON
VERNON E. HUPP
ALBERT N. JACOBSON
LAWRENCE J. MCHUGH
FRANKLIN L. POND
ALFRED C. WERMUTH
MAURICE L. WILCOX

Pledged

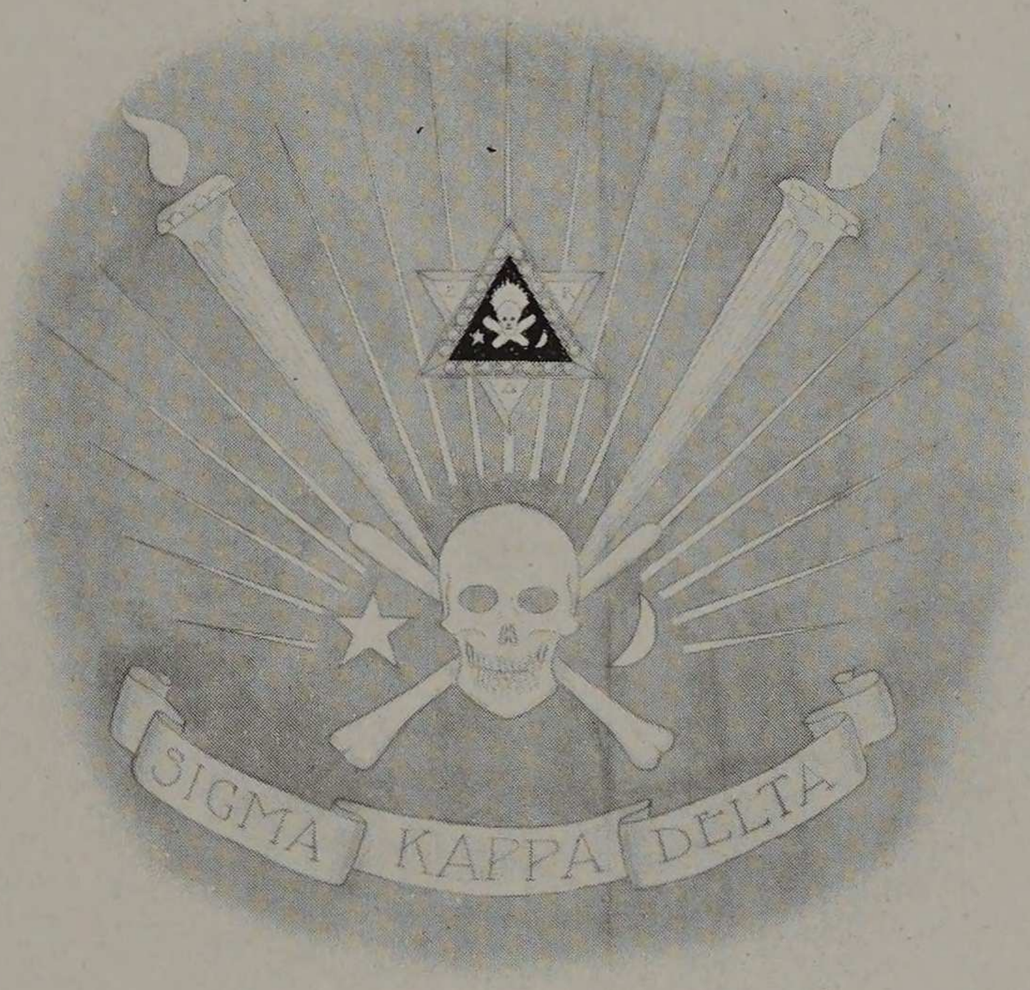
STUART R. EVANS
CLIFFORD C. PORTER
WILLIAM C. VOLLBRECHT
CHARLES F. SPANGLER
WALTER WOLLASTON



Top Row—Pfeifer, Wermuth, Spangler, Porter, Conklin, Vollbrecht, Wollaston. Second Row—Penn, Byanskas, Paterson, Gothwaite, V. Hupp, Zack. Third Row—Pierre, Wilcox, DeCelle, Carnahan, Hook, McMullen, Ehrlich. Fourth Row—Buck, McHugh, R. Hupp, Somers, Holmboe, Echlin, Pond. Bottom Row—Hook, Wolfley, Farrar, Roller, Jedamske, Downey.



Omega Lambda House


SIGMA KAPPA DELTA

Sigma Kappa Delta

ALPHA CHAPTER

Organized September 20th, 1912

Faculty Members

Stanley Dean, Armour '05
John J. Gilbert, Pennsylvania '06
James C. Peebles, Armour '04
William G. Smith, Cornell '92

Seniors

Harold F. Smith
Faye N. Compton
Arthur Moeller
John W. Turner

Juniors

J. Friece Adamson
Denton A. Chase
Earl W. Porter
Ernest F. Schreiber
John L. Broyles
Frederick L. Chipman
Stanley M. Peterson
Chester F. Wright
Charles W. Brittan
William V. Lindblom
Charles P. Schulze
Clifford D. Wight
Emil A. Schiffers

Sophomores

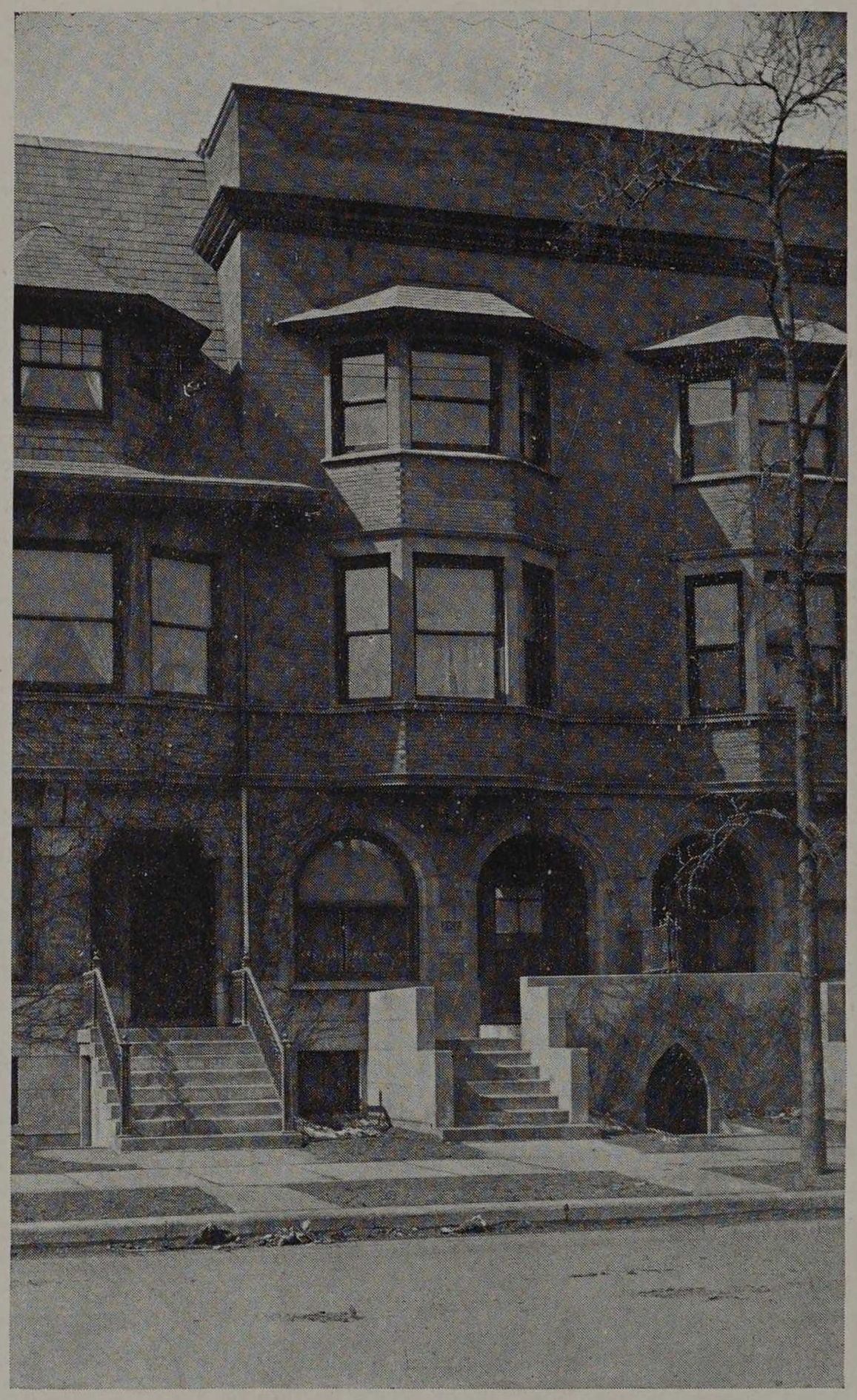
Leroy J. Enzler
Donald R. Stephens
Harry Iffert
Gerald T. Dougherty
Omar G. O'Grady
Floyd T. Bower
Raymond G. Coles
John Reid

Pledged

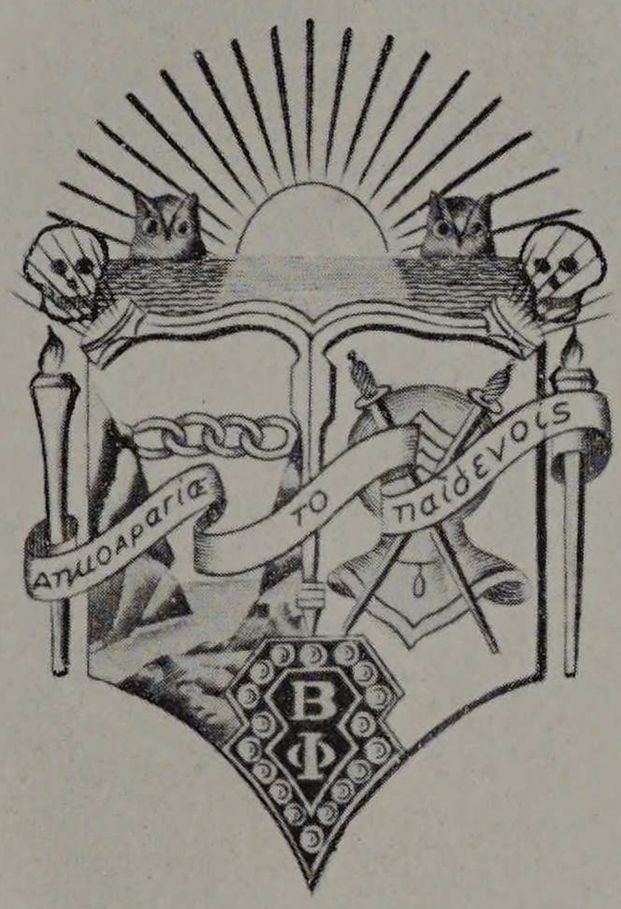
George M. Fritze
Frederick P. Strauch
John W. Clay
Dean J. DeButts
Oscar A. Anderson



Top Row—Compton, Chase, Smith, Strauch, Brittan, Schiffers. Second Row—Broyles, Adamson, Moeller, Shulze, Peebles, Wright. Third Row—Porter, Enzler, Schreiber, Lindblom, Peterson, Bower, Stephens. Bottom Row—Wight, O'Grady, Turner, Chipman, DeButts, Fritze.



Sigma Kappa Delta House


ΑΠΩΛΟΔΑΡΙΑΣ
ΤΟ
ΠΑΙΔΕΝΟΙΣ
Β
Φ

Beta Phi

Founded at University of Chicago, 1911

CHAPTER ROLL

Alpha	University of Chicago
Beta	Northwestern University
Gamma	Armour Institute of Technology
Delta	University of Illinois

GAMMA CHAPTER

Chartered March, 1913.

Faculty

H. L. Nachman, Armour, '03
Daniel Roesch, Armour, '04

Seniors

Toly Agazim
Harry Himelblau
David B. Lesser
Lester T. Wilson
Harris Perlstein
James W. Cohn
Edward Menke
Charles H. Swartz
Oscar Goetz
James G. Shakman

Juniors

Fred L. Faulkner
H. C. Skinner
Paul G. Matt
E. Wallace McDiarmid
Sidney Shaffer

Sophomores

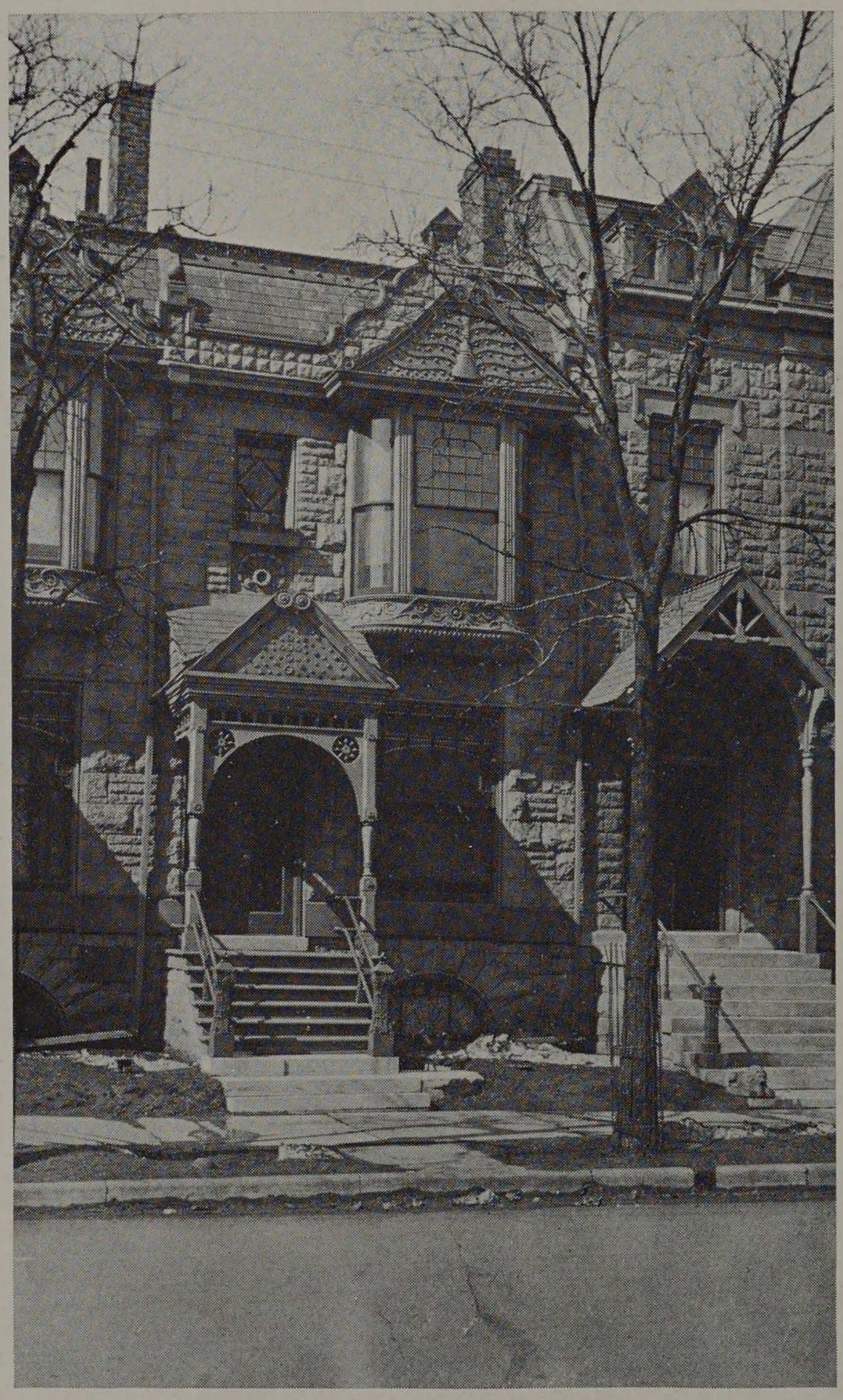
Glen A. Barrer
Charles J. Kucera
George B. Perlstein
Leonard Peterson
James F. Hillock
Erwin Edelstein

Pledged

Guy L. Andre
Alexander E. Newmark
Joseph C. Schovee
Abraham C. Corman



Top Row—Matt, Barrar, Agazim, Wilson, Kucera. Second Row—Shakman, Roesch, Nachman, Menke, Himelblau, Goetz. Third Row—H. Perlstein, Peterson, Faulkner, McDiarmid, G. Perlstein, Swartz, Edelstein, Hillock. Bottom Row—Lesser, Cohn,

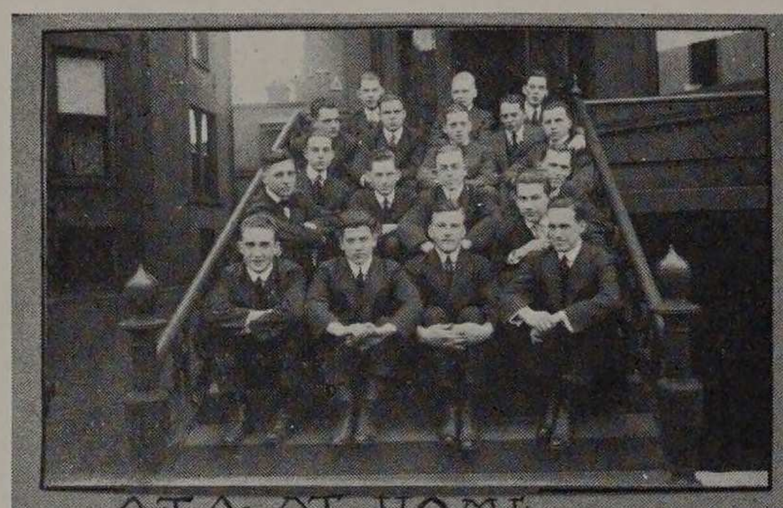


Beta Phi House



Clark C. Heritage	*Phi Gamma Delta*	University of Chicago
Frank W. Hook	*Pi Kappa Alpha*	Iowa State College
Earl W. Porter	*Alpha Tau Omega*	Simpson College
Frank Knotts	*Beta Theta Pi*	University of Indiana
L. Earle Dallas	*Alpha Tau Omega*	University of Texas
H. E. Kleinman	*Sigma Nu*	University of Indiana





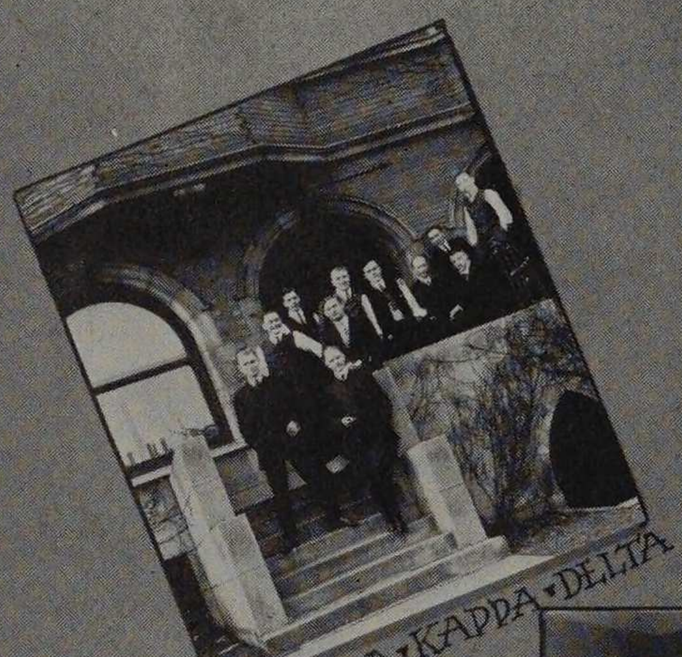
ΔΤΔ AT HOME

"CHES" AND "AD"

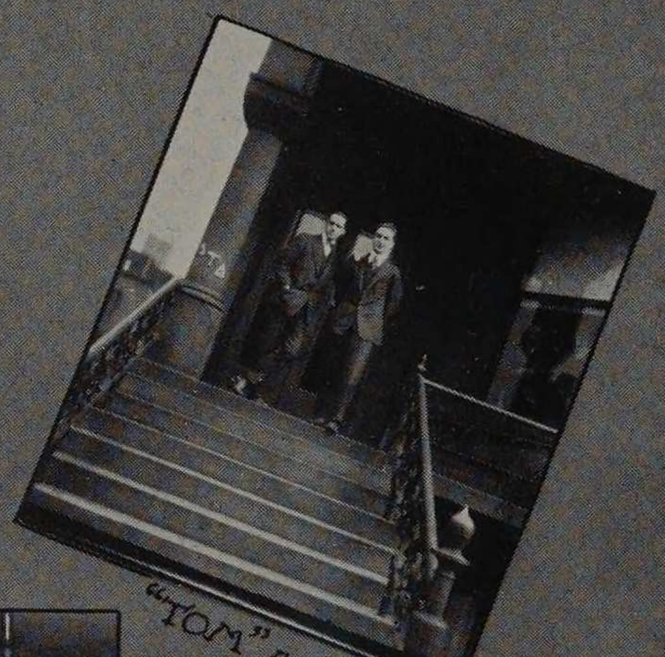


"UNCLE SAM" AT THE ΩΨΛ HOUSE



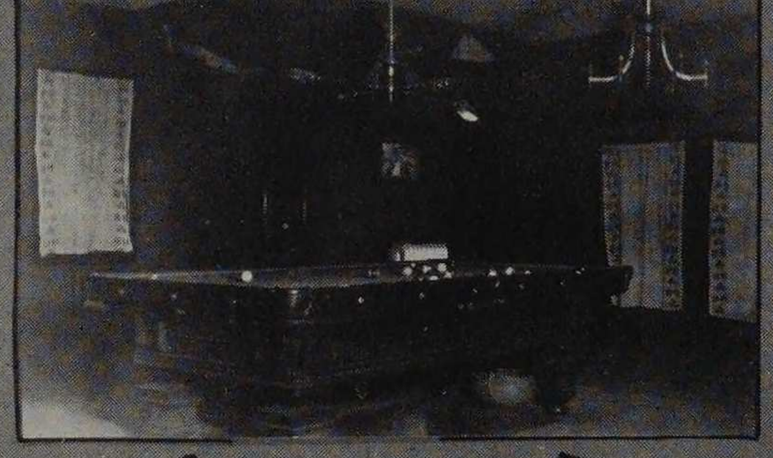


ΣΙΓΜΑ ΚΑΔΔΑ ΔΕΛΤΑ



"TOM" AND "TOM"

AMONG THE GREEK LETTER FRATERNITIES



AT ARMOUR INSTITUTE OF TECHNOLOGY

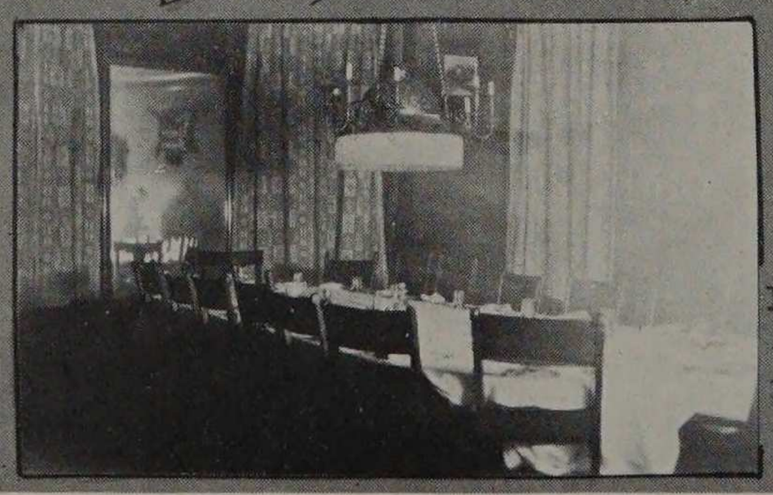
BILLIARD ROOM ΦΚΣ HOUSE



AFTER DINNER — ΣΚΔ HOUSE



PARLOR — ΩΛ HOUSE



DINING ROOM — PHI KAPPA SIGMA HOUSE

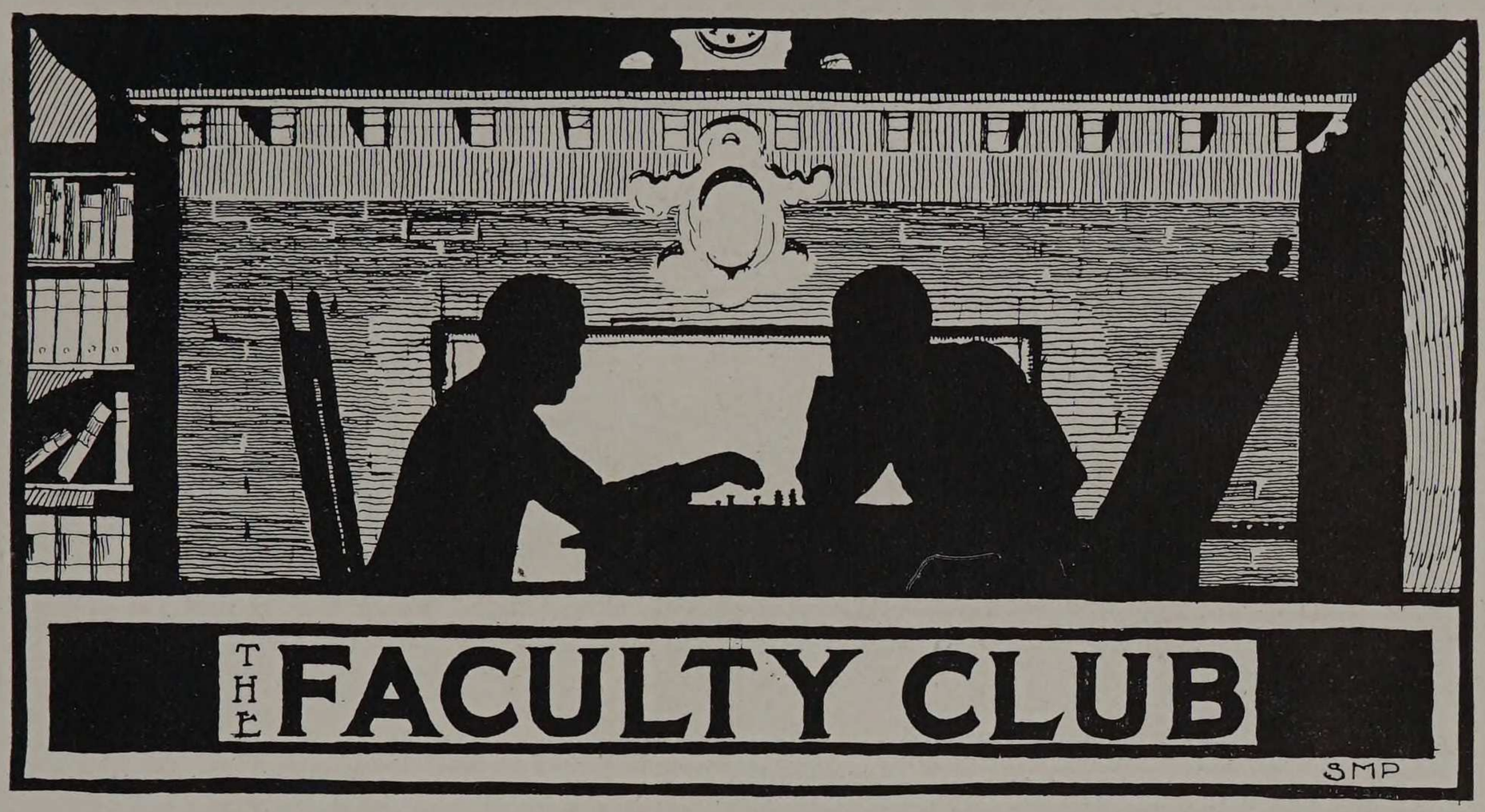
AN OMEGA LAMBDA SMOKER





CLUBS · SOCIETIES

Faculty Club
A. S. M. E.
A. I. E. E.
A. C. E. S.
A. Ch. E. S.
A. F. P. S.
Atelier
A. R. A.
Glee Club
Mandolin Club
Y. M. C. A.
Polemics
Sphinx Club
Radical Fx.
Nebraska Club
Honor "A" Club
Alumni Association
The Cycle
The Fulcrum
The Engineer



Officer 1913

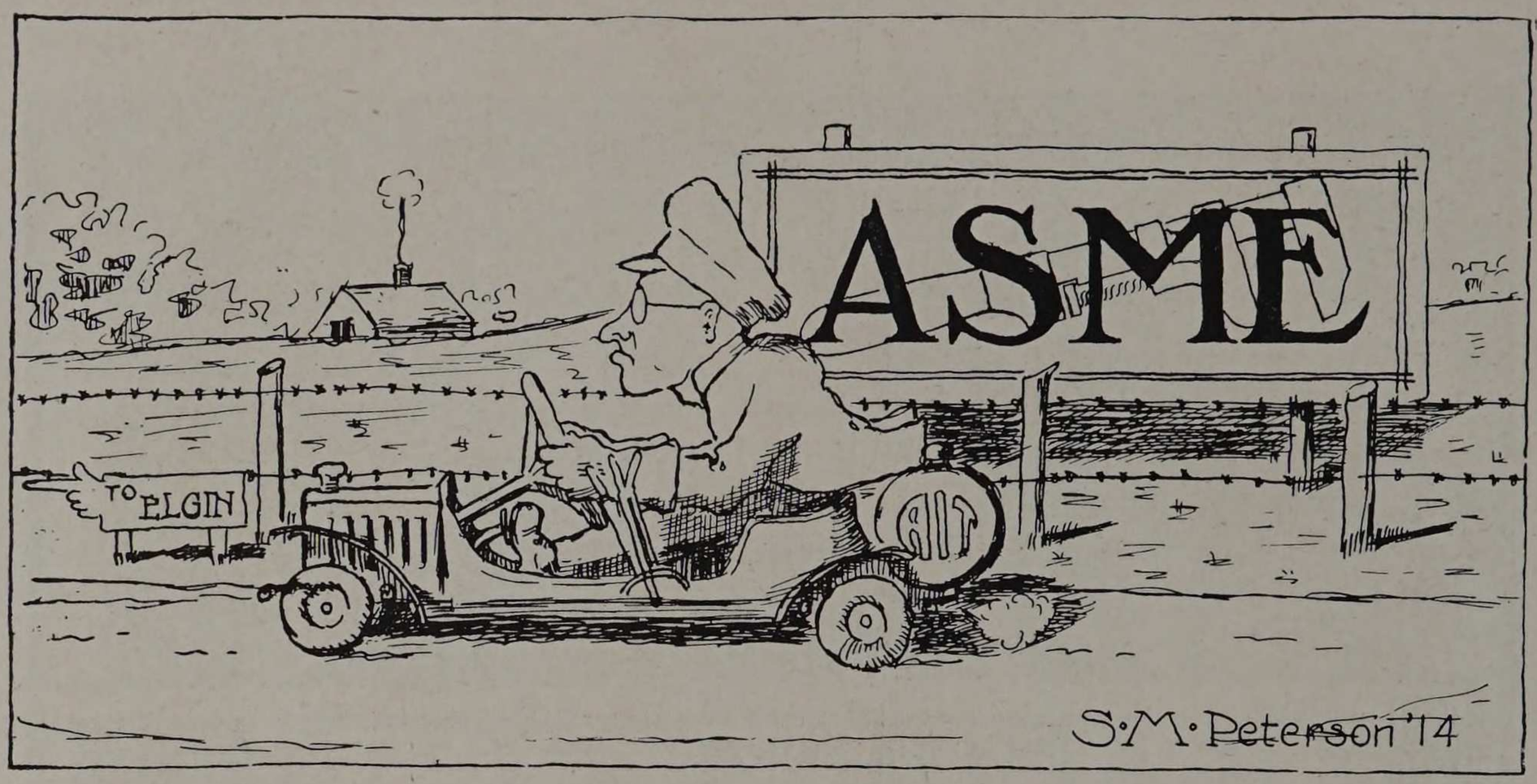
F. U. Smith	Honorary President
G. M. Wilcox	President
R. V. Perry	First Vice-President
A. H. Anderson	Second Vice-President
C. I. Palmer	Secretary
G. S. Allison	Treasurer

Officers 1914

F. U. Smith	Honorary President
G. L. Scherger	President
C. W. Leigh	First Vice-President
W. K. Smart	Second Vice-President
J. C. Penn	Secretary
C. H. Fornhof	Treasurer

The Faculty Club, whose membership is recruited entirely from the faculty of Armour Institute, has its convenient and pleasant quarters on the ground floor of the Mission Building. Thither the professors are wont to go for a quiet hour during the middle of the day, where they will be free from the annoyances of their duties as instructors.

During the year, much interest was aroused by the Club's checker and billiard tournaments, and last winter, some of the members organized a bowling club, which has been meeting regularly at a hall in Woodlawn. Besides these particular activities, the Club affords an opportunity to its members for recreation in the form of billiards or reading, and these branches are well patronized.



Armour Student Branch
American Society of Mechanical Engineers

Officers

Professor G. F. Gebhardt	Honorary Chairman
H. E. Erickson	President
E. W. Menke	Vice-President
A. N. Koch	Secretary
L. C. Meyer	Treasurer

The Society was organized in January, 1905, by the Senior Mechanical students who called themselves the "Senior Mechanical Society." At the beginning of the college year of 1907-1908 the membership was extended to the Junior Mechanicals. In 1909 the Society was affiliated with the American Society of Mechanical Engineers and was organized as the Armour Student Branch on the ninth of March of that year. The Society holds both professional and student discussions on Mechanical subjects.

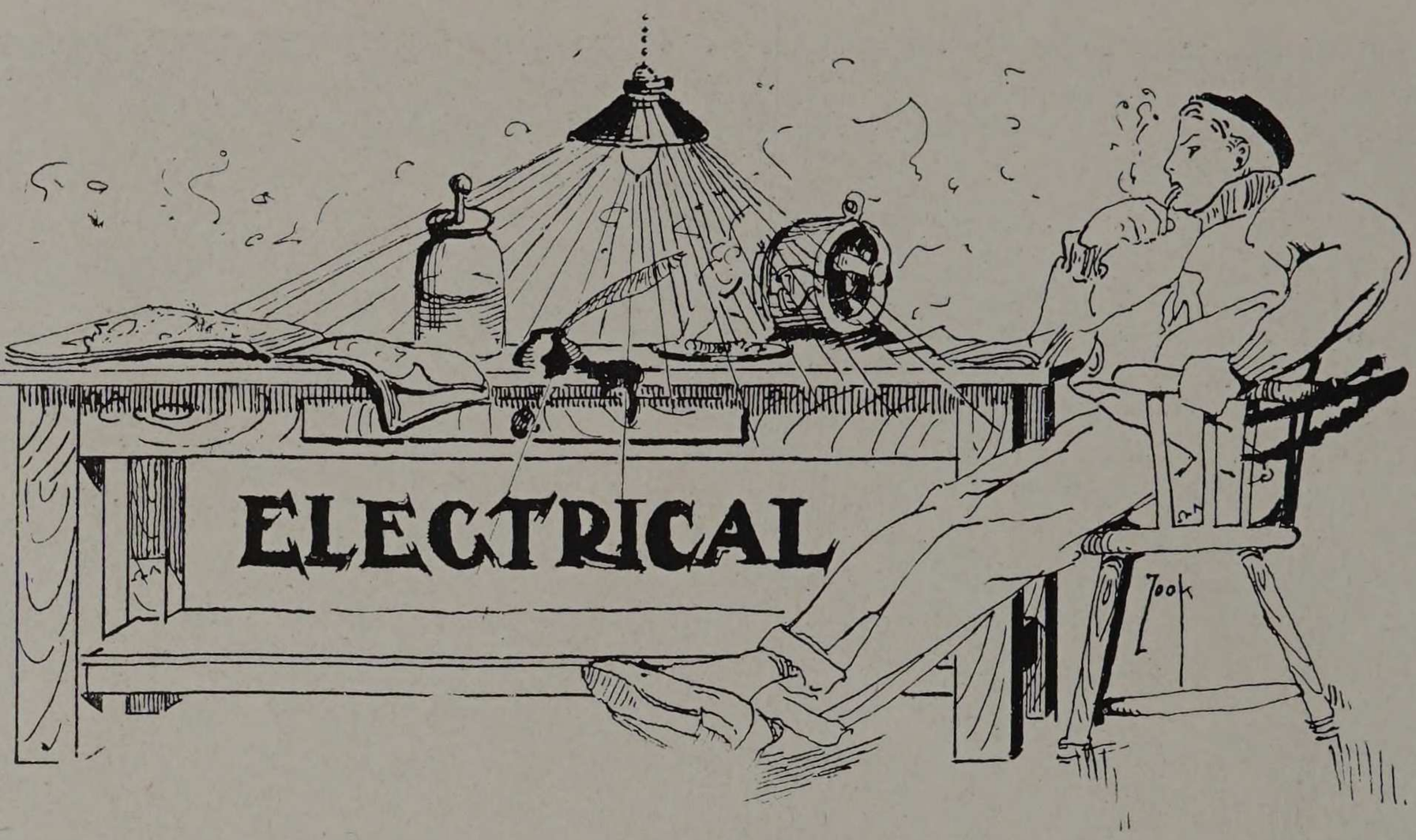
Since school opened in September, we have had our annual smoker, and four regular meetings. The smoker was held on September 24, 1913. The Juniors were afforded an opportunity of becoming acquainted with the members of the faculty of the Mechanical Engineering Society in a social way.

On October 16th, Mr. C. W. Naylor of Marshall Field & Co. gave a very interesting talk on the power plant of that store. The evening of the second meeting was devoted to a talk on "Fans and Blowers" by H. D. Gumpper, '14, and "Safety Devices on Elevators" by L. W. A. Bunge, '15, which were admirably delivered.

Mr. Jos. Harrington of Harrington & Peebles, talked to us at our third meeting on "The Practical Application of the Theory of Furnace Efficiency." Mr. Harrington described the problems of the boiler room and gave us plenty of remedies for overcoming them.



Top Row—Anderson, Brewer, Gumpper, Sherwood, Agee. Second Row—Cooban, Patterson, Sir, Cooley, Himelblau. Third Row—Libby, Peebles, Gebhardt, Perry, Roesch, Paul. Fourth Row—Bready, LeVally, Close, Koch, Erickson, Mayer, W. Goetz. Bottom Row—Menke, O. Goetz, Meyer, Thal, Faulkner, Juttemeyer.



American Institute of Electrical Engineers

Armour Branch

E. L. Nelson . . . . Chairman
T. C. Bolton . . . . Secretary
A. F. Schoembs . . . . Treasurer

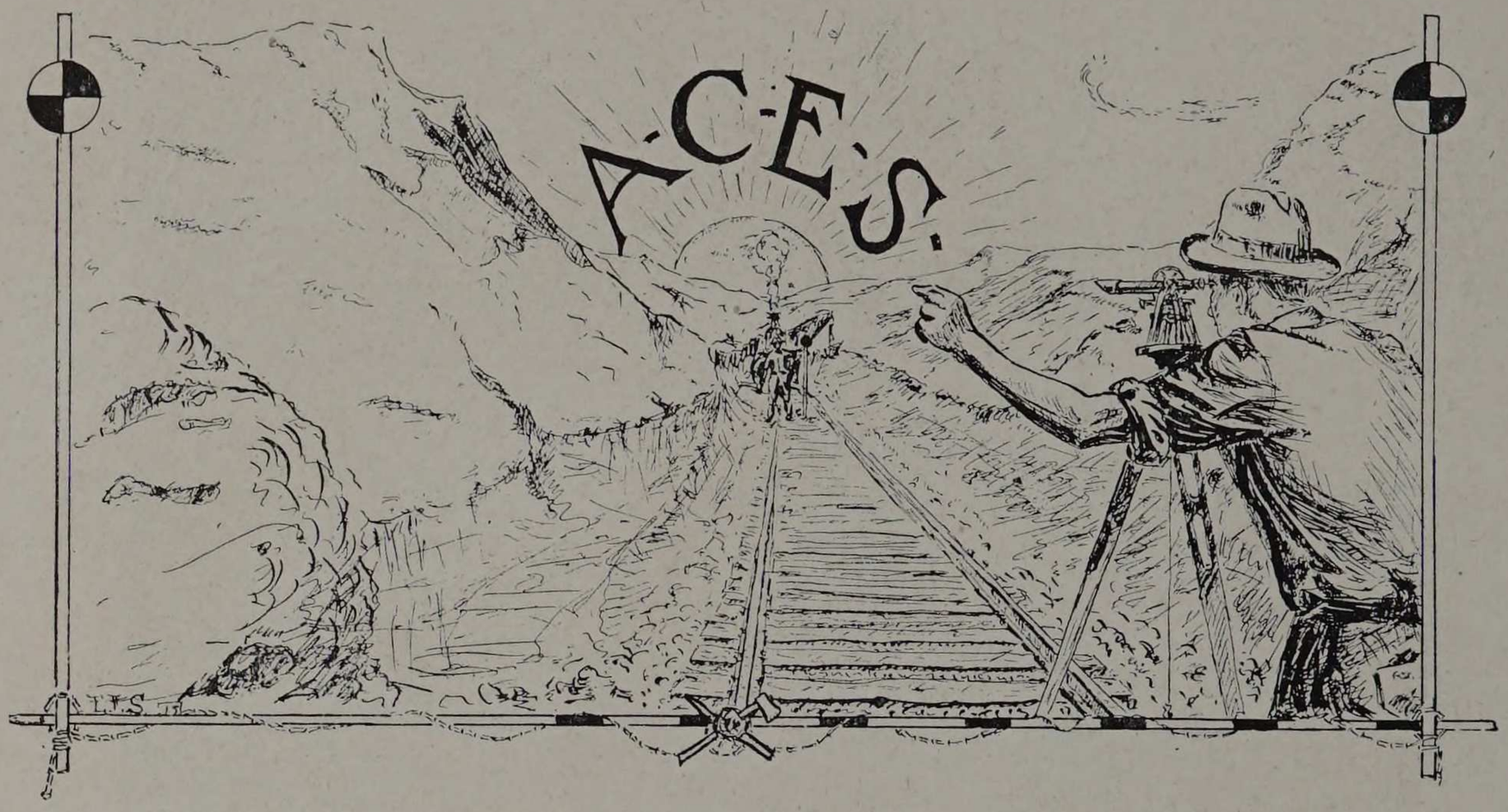
The Armour Branch of the American Institute of Electrical Engineers was founded February 26, 1903, the object being to introduce the student into the work of the engineering society early in his career and to afford him an opportunity for cultivating many of those qualities which are needed by the engineer and which are not developed in the class room or laboratory. Thru the society, the student obtains practice in the preparation and presentation of technical papers and in public speaking. He becomes acquainted with the practical problems which are occupying the attention of the leaders in his future profession. The more important and interesting papers presented before the national organization are brought to his notice and he acquires information concerning the men who write them. These, in combination with the social side of the organization, should be important factors in making him a great deal more than a book worm.

The meetings of the branch are held semi-monthly. On these occasions papers prepared by student members are presented or discussions on practical subjects by outside engineers are heard. The various meetings this year were as follows:

Oct. 8, 1913—Business meeting and smoker.
Oct. 22, 1913—"The Application of Direct and Alternating Currents in Railway Signaling Apparatus"—Wetzel, '14; Stecher, '14.
Nov. 12, 1913—"Station Grounds," by A. B. Gates, Engineer for the Sanitary District.
Nov. 22, 1913—"The Development and Construction of Filament Lamps," Heim, '14; Turner, '14.
Dec. 10, 1913—"Electrical Inspection," by V. C. Tousley, Chief Electrical Inspector for City of Chicago.
Dec. 17, 1913—Banquet at the Boston Oyster House.
Feb. 25, 1914—"Multiple Unit Control"—Swanson, '14; Charlton, '14.
Mar. 11, 1914—"Lightning Arrestors"—Wright, '15.



Top Row—Adamson, Wetzel, Wright, Stecher, Charlton, Seeburger, Paskiewicz. Second Row—Mieczkowski, Schoembs, Fernandez, Snow, Freeman, Nichols, Heim, Dumke. Bottom Row—Cohn, Hoffman, Swanson, Whitmore, Swartz, Turner, Nelson.



Armour Civil Engineering Society

Officers

H. F. Smith	President
Chas. Dean	Vice-President
E. G. Zack	Recording Secretary
M. J. Fleming	Corresponding Secretary
Joel Pomerene	Treasurer

Committee Chairmen

H. F. Smith	Executive
Wm. Kann	House
P. F. Auer	Smoker
W. H. Hallstein	Banquet
E. G. Zack	Initiation
S. P. Walker	Pin

The Armour Civil Engineering Society was founded in the year 1906. The then Junior and Senior classes drew up the constitution which was adopted on June 14th of that year. A suite of rooms on the second floor of Chapin Hall was secured at this time, which has served as the Society's meeting place ever since. The pin adopted as the society badge is a unique design representing a levelling rod target. The present membership numbers forty-two men.

The object of the organization is to study and discuss the current problems confronting the Civil Engineer and also to establish a closer relationship between the two upper classes of the department. There have been many very interesting inspection trips made during the past year and plans are under way for several more trips. These trips are attended by all of the members of the society and are of great educational value to the students.



Top Row—Gillidette, Holmboe, Compton, Siedenstrang, Pomerene, Dean, Moeller. Second Row—Willens, Zeman, Hook, Steininger, Lindblom, Kiene, Boetter, Sevin. Third Row—Fleming, Wells, Armstrong, Phillips, Dean, Penn, Hallstein. Fourth Row—Kann, Heeren, Anning, Knuepfer, Zack, Smith, Jedamske, Duffy. Bottom Row—Auer. Altman, Vesely, Simmons, Sproesser, Sherman, Trinkaus.



Armour Chemical Engineering Society

Officers

C. C. Heritage	President
J. Zavertnick	Vice-President
F. W. Hook	Secretary
G. A. Carnahan	Treasurer

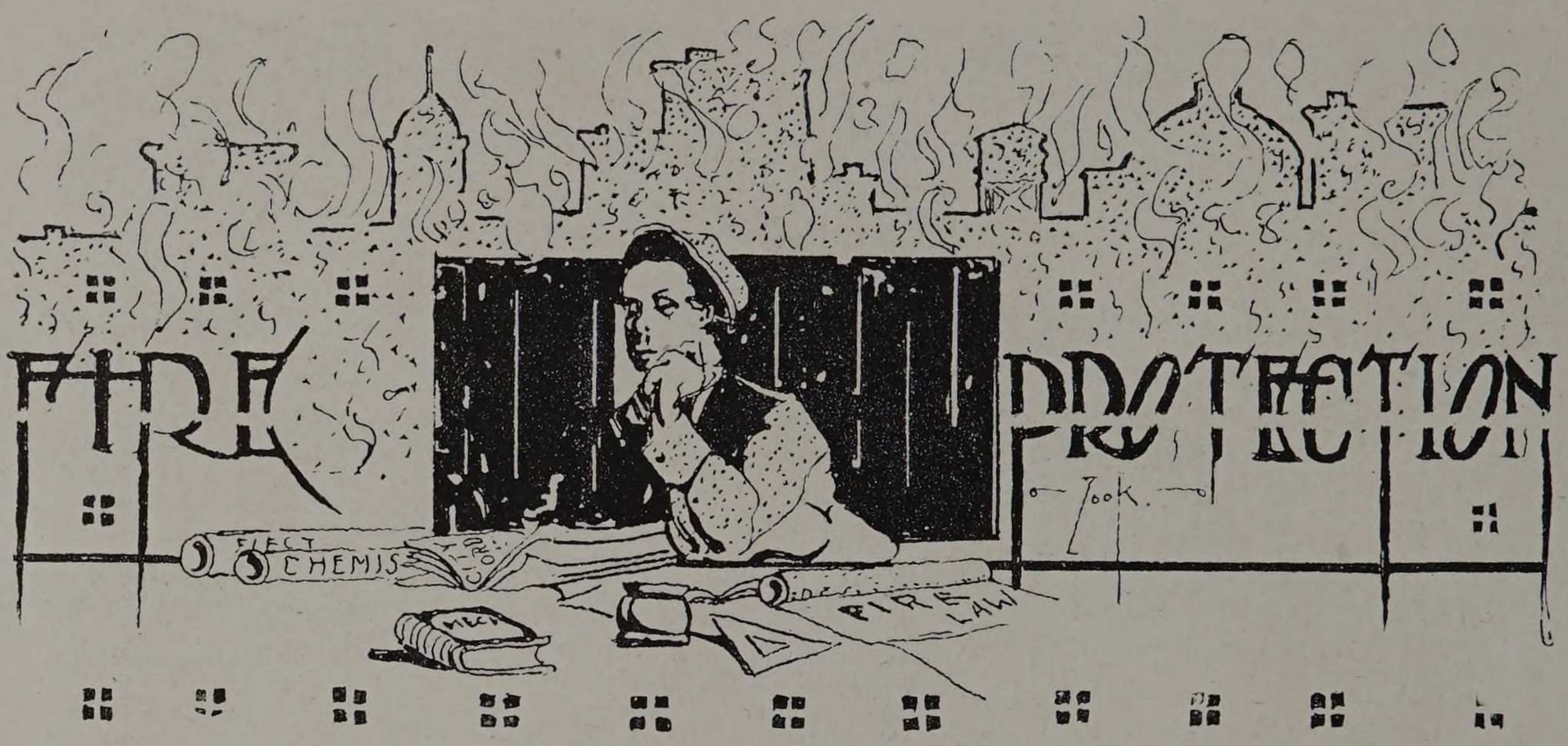
The Chemical Engineering Society was organized during the winter of 1903 and since that time has been steadily growing both in membership and enthusiasm. As in all other similar societies the fundamental object was to foster talks on practical questions relating to the chemical industries both by men engaged in actual practice and by student members of the society. Several interesting papers prepared by student members are kept on file in the Institute library.

The society met for the first time of the year on September 30 and at that time it was plainly evidenced that the current year was to be the most successful one of which the society could boast. A constitution was drawn up to replace one which had long been forgotten and the plan of having monthly banquets was soon cast into the past. The policy of the society as remodeled, was then to have meetings every two weeks and to have these meetings featured for the greater part with talks by the students and also members of the faculty. There is no better time to laud the success of this policy than now and we must say that all of the talks or papers which have been presented were carefully worked up and this no doubt has been the secret of keeping up the lively interest.

The annual banquet of the society was held on January 23, 1914, at Kuntz-Remmlers and was a success in every way. After the "eats" Dr. Gudeman delivered an interesting talk on "Food Law Administration."



Top Row—Perlstein, Hahn, Lauletta, Wilkins, Agazim, Whittington. Second Row—Shakman, Diemecke, Wishnick, Carver, Buck, Sieck, G. Perlstein. Third Row—Wilson, Finkelstein, Freud, McCormick, Wilsnack, Pulsifer, Grossman, Butterman. Fourth Row—Carnahan, Lesser, Gothwaite, Hook, Heritage, Zavertnick, Yamamoto. Bottom Row—Yonkman, Bolte, Durant, DeCelle, Boand, Marx.



Armour Fire Protection Engineering Society

Officers

W. C. Gielow, '14 . . . . President
W. H. Rietz, '15 . . . . Vice-President
E. M. Kratz, '15 . . . . Secretary
S. W. Anderson, '15 . . . . Treasurer

Seniors

W. C. Gielow — E. J. Hepp

Juniors

S. W. Anderson — E. M. Kratz — T. K. Pfafflin
J. F. Chamberlin — W. H. Rietz

Sophomores

F. T. Bower — L. Peterson — E. W. McDiarmid
C. A. Grasse — C. Hill — S. Roser

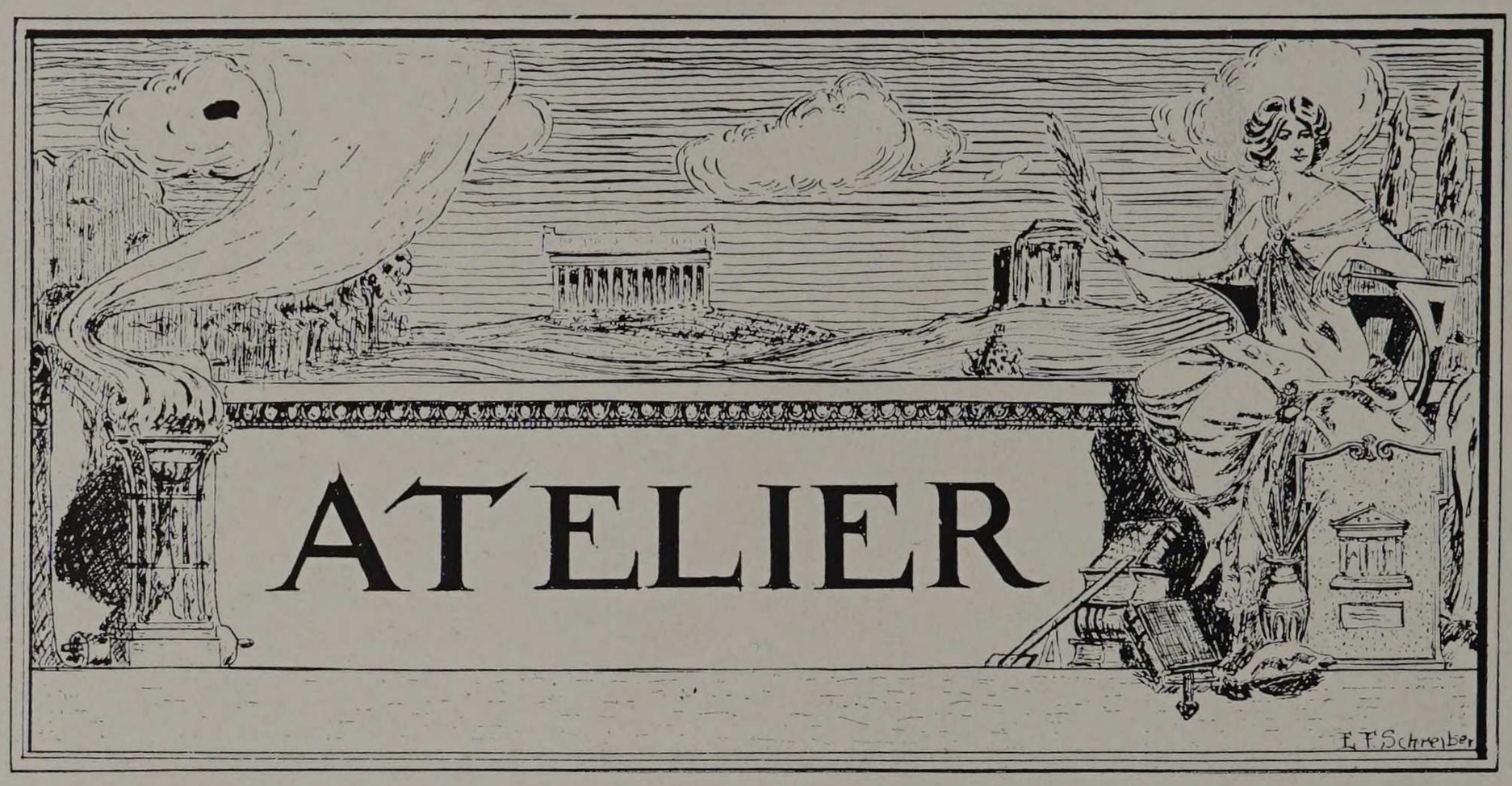
Since all the departments of the school except the Fire Protection Department had an organized club, the students and professors of this department thought it would be well to organize a "Fire Protection Engineering Society." The first meeting was called on November 11, 1913, and the subject of organization was discussed. After deciding to organize the society, the above named officers were elected. Two more business meetings followed, which were held on November 25 and December 9, 1913.

On January 27, 1914, Professor Taylor, head of the department, gave a fine illustrated lecture on the subject of "Automatic Sprinkler Systems and Fire Alarms." The meeting was held in the Physics lecture room and was well attended by men from the other departments as well as from our own department. Following this lecture, was another very practical and instructive lecture on February 24, 1914. The lecturer was Mr. W. H. Fredericks, and the subject discussed was "The Field Work of the Fire Prevention Committee of the National Board of Underwriters."

There is no doubt but that the society has only begun on its effective work along social and instructive lines, and a very successful year is looked forward to next year with the addition of the large number of freshmen who are taking the course.



Top Row—Rietz, Kratz, Chamberlin, Peterson. Second Row—Finnegan, Gielow, Taylor. Bottom Row—Grasse, Hepp, Pfaffin, McDiarmid.



Atelier Officers

FRED D. FARRAR . . . . . Massier
GORDON S. BARBER . . . . . Treasurer
C. E. H. WOLFLEY, Social Chairman & Purchasing Agt.
JAMES L. SHANE . . Fulcrum Representative

Senior Class Officers

FRED D. FARRAR . . . . . Massier
ROSCOE ZOOK . . . . . Treasurer
C. E. H. WOLFLEY . . . . . Social

Junior Class Officers

E. A. SCHIFFERS . . . . . Massier
A. G. STARK . . . . . Treasurer
I. R. SWANSON . . . . . Social

Sophomore Class Officers

C. PORTER . . . . . Massier
H. WALBRECHT . . . . . Treasurer
B. ROOS . . . . . Social

The Atelier

The Atelier of the Architectural Department was founded in 1906, the purpose being to promote a closer relationship between the different classes of the Department, the instructors and the members of the architectural profession. Smokers held at intervals of three or four weeks, with leading architects and prominent speakers to give talks, was planned from the start as the principal function of the Atelier. Such men as Walter Burley Griffin, Louis H. Sullivan, Howard Shaw, Hornbostel, Pond, Hunt and numerous other men at the top of their profession have given talks at the smokers at different times.



Atelier Notes

The closing function of the year, '12-'13 was the annual banquet, held May 16, 1913, at Kuntz-Remmlers. Mr. Hamlin Garland was the speaker of the evening. The following is the unique menu, the contents of which bring a joyful remembrance to those who were present.

Spezfikashns

"Go right to the finals.
Esquisse des clams.
Shadows well cast.
Soup a la Crimson Lake Mich.
One broad flat tone.
Gusset of beef riveted.
Entourage parley Sullivanesque.
Cubist Milk . Bricklayer Cream
Cold, No feeling.
Fromage Charette . Biscuits
Dam your Tassy.

Arrived

On Friday evening, September 27, the Freshmen were informally introduced to the members of the Atelier. Mr. Rebori and Mr. Alter gave interesting talks on the origin and purpose of the Atelier, and the smokes, eats and music rounded out the evening's entertainment.

The evening of October 7 was picked as Theatre Night, and some forty of the Architects went to the American Music Hall where Lew Fields in "All Aboard" was the attraction, but the little round tables in the rear of the hall held the attraction of many throughout the evening.

The Hallowe'en dance, Oct. 31, was held in Blackstone Hall of the Art Institute. The hall was appropriately decorated, and the party was a huge success.

An affair of deep impression was the Freshman Initiation on Friday, Dec. 12. The number of sufferers exceeded that of any of the previous years. Of course, it will not do to go into details, but let it suffice to say that, at the hands of a wise judge and four stalwart executioners, the unbelieving Freshmen had impressed on their minds and elsewhere, the sound principles of the Atelier.

On Wednesday, Feb. 4, 1914, the Atelier presented Miss Helen Bagg's comedy-farce, "Friday the Thirteenth." The performance was a great success, and the work of Wolfley, who also had charge of the play and who was largely responsible for its success, Barber, Wright and Nertney was especially commendable. A letter was received from Mr. Carpenter, the Secretary of the Art Institute, in which he expressed his opinion of the play as follows: "I had the pleasure of seeing your play yesterday and I think it the best students' play that has ever been given in Fullerton Hall."

At a smoker on Feb. 12, Mr. Louis H. Sullivan was the guest of the evening. Mr. Rebori was the first speaker and gave a talk on his favorite theme, "Reasonableness of Architecture." He was followed by Mr. Sullivan, who, continuing with the same line of thought, talked on "The Reason of Architecture." He developed his subject with the same genius that he displays in his designing. He brought out some thoughts that were new to many, and held the closest attention of all those present. Mr. Carpenter was the next on the program, and gave some advice and encouragement. The latter consisted mainly of a promise to the Architects to see that the attention of the young ladies of the Art School would not, in the future, be entirely monopolized by the young men of the Artists School. It might well be guessed that Mr. Carpenter made himself pretty solid with the Architects by this announcement. The usual refreshments and music sent everyone home feeling well satisfied with the evening.



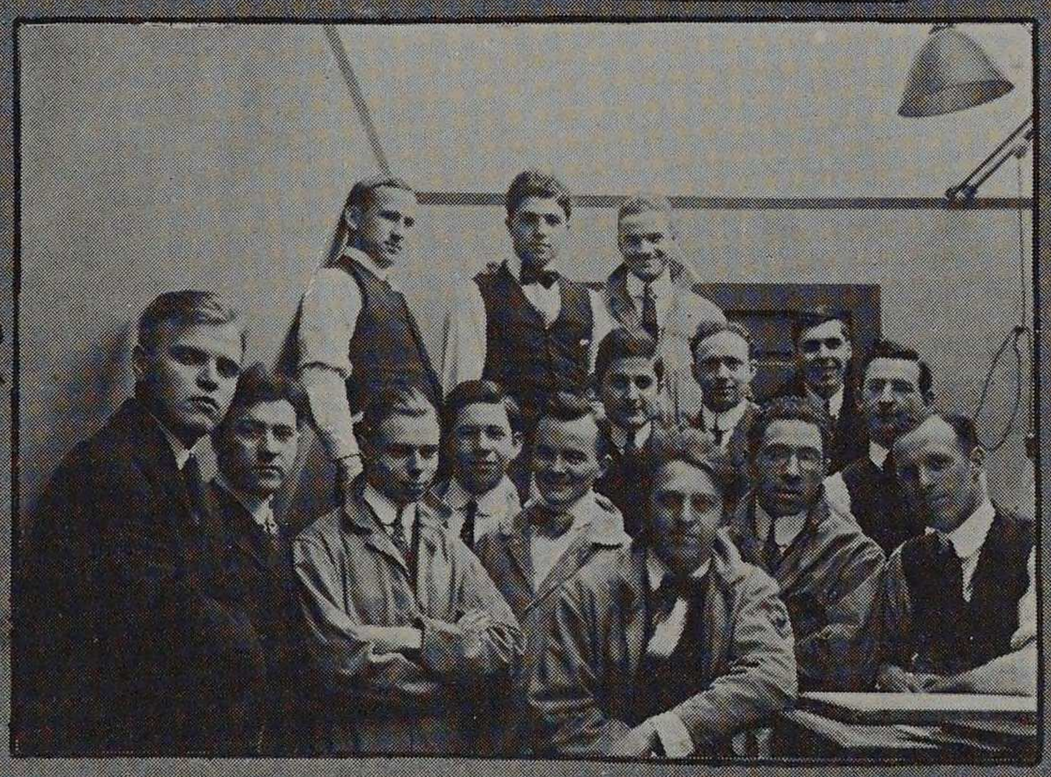




FAMILIAR AND AT ART



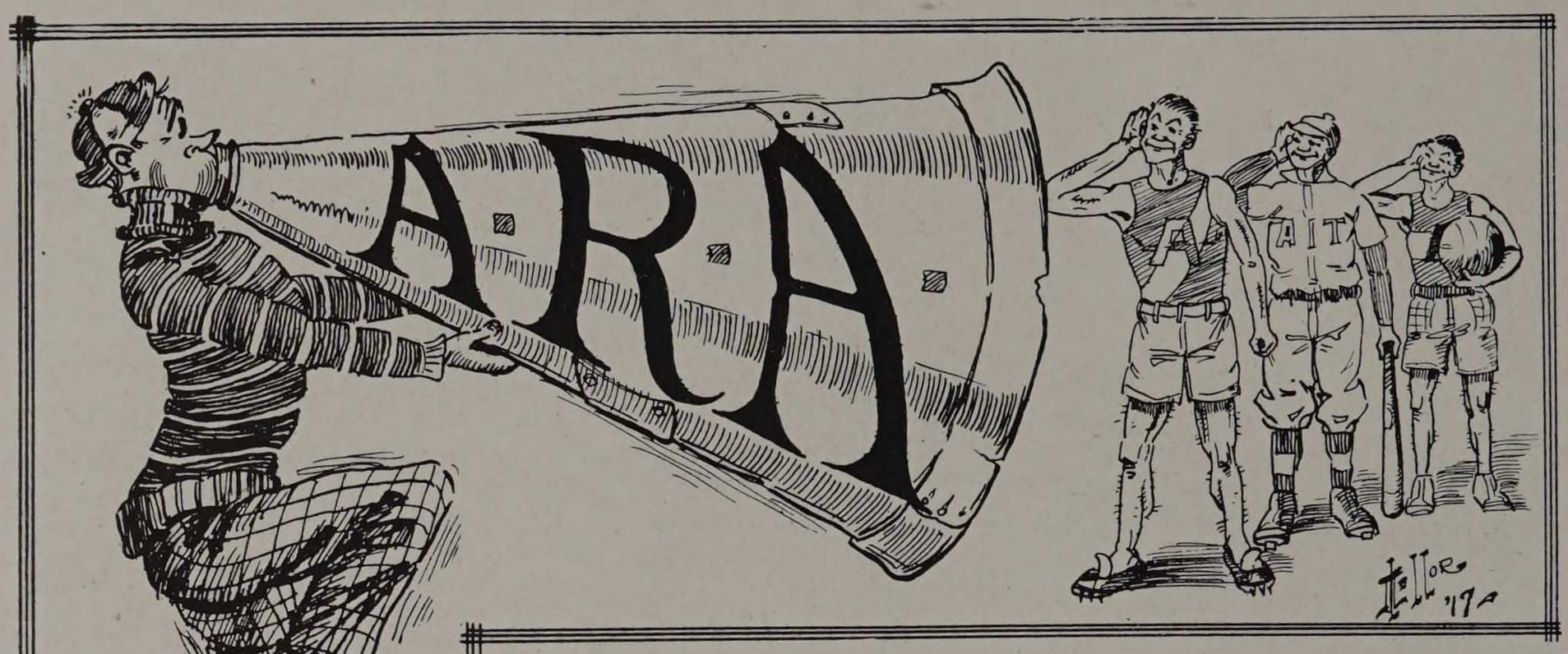
FACES SCENES THE INSTITUTE



SENIORS

JUNIORS





Armour Rooters' Association

Officers

Fred L. Brewer, '14	. . . President
Edward Menke, '14	Vice-President and Treasurer
Wm. V Lindblom, '15	. . . Secretary
David B. Lesser, '14	. College Cheer Leader

Class Representatives

J. Jucker, '14	A. S. Alter, '16
T. Sullivan, '15	H. Georges, '17

The Armour Rooters' Association was organized on April 30, 1912. Lack of school spirit and indifference toward worthy school activities amongst the student body led several of the upper classmen: Harris Perlstein, Max Wald, Clark C. Heritage, and others, to find some means of stimulating interest and bringing legitimate student activities to a successful issue. These men conceived the organization of the entire student body into a workable entity. The executive work of this association is carried out by the officers and class representatives, who constitute the Governing Board. There are no dues, all financial aid being furnished by the classes. Occasional mass meetings of the student body, all of whom are members, are held to arouse the dormant school spirit as well as to obtain an expression from the student body relative to activities concerning the whole school. That the association has been a potent force is manifest from a survey of the several functions which it has successfully undertaken.

The main social functions promoted by the association, in which the entire school may take part, are Circus Day and Tech Night. Circus Day is the "big day" of the Junior Week program, and Tech Night was started to take the place of the old custom of having an Armour Night at the White City. Both bid fair to be permanent events in the social life of the school, and emblematical of the good old "Armour spirit."


E. MENKE
D.B. LEJSER
W.V. LINDBLOM
GOVERNING BOARD
F.L. BREWER
ROOTER'S ASSOCIATION
H. GEORGE
J. JUCKER
A.S. ALTER
T. SULLIVAN



Glee Club

W. G. Smith, *Director*

First Tenor

A. Bodholdt, '15
R. A. Greenman, '17
H. G. Ingraham, '17
L. E. Mellor, '17

Second Tenor

S. W. Anderson, '15
D. J. DeButts, '17
A. N. Dryden, '17
L. L. Edlund, '16
E. R. Marx, '15
A. Moeller, '14

First Bass

S. R. Evans, '17
F. L. Faulkner, '15
J. LeVally, '15
W. Steininger, '14
F. Wagner, '15
R. M. Watt, '17

Second Bass

H. M. Buck, '16
J. M. Byanskas, '16
F. D. Farrar, '14
G. M. Fritze, '17
E. A. Schiffers, '15
F. P. Strauch, '17
W. Yonkman, '14

Glee Club and Mandolin Club

The call for candidates for positions in the Glee Club was answered by forty-one good men. The material that tried out was the best we have had in many years. There were not as many applicants for berths in the Mandolin club but there were enough to make a first class outfit.

After the first concert at the Windsor Park M. E. Church last fall it was decided to cut down the membership of the Glee Club to six on a part. The club was very well balanced and the attendance at rehearsals was good. The work done by both the Mandolin and Glee club at the Home Concert and the various other concerts throughout the year was very good indeed, and next year we should have one of the best musical clubs in the middle west.



Top Row—Schiffers, LeVally, Mellor, Moeller, Steininger. Second Row—Fritze, Edlund, Yonkman, Smith, Jucker, Anderson. Third Row—Buck, Wagner, Byanskas, Faulkner, Dryden, DeButts, Strauch. Bottom Row—Ingraham, Marx, Greenman, Evans, Watt, Farrar.



MANDOLIN CLUB

C. LAWRENCE BOLTE, '16, Leader

CORYDON D. SMITH, Director

First Mandolins
C. L. BOLTE, '16
H. N. SIMPSON, '16
P. J. MCGRATH, '17

First Violins
WM. HANKAN, '16
S. E. SOSNA, '16
P. A. REHNQUIST, '16

Clarinet
S. PIMSTEIN, '16

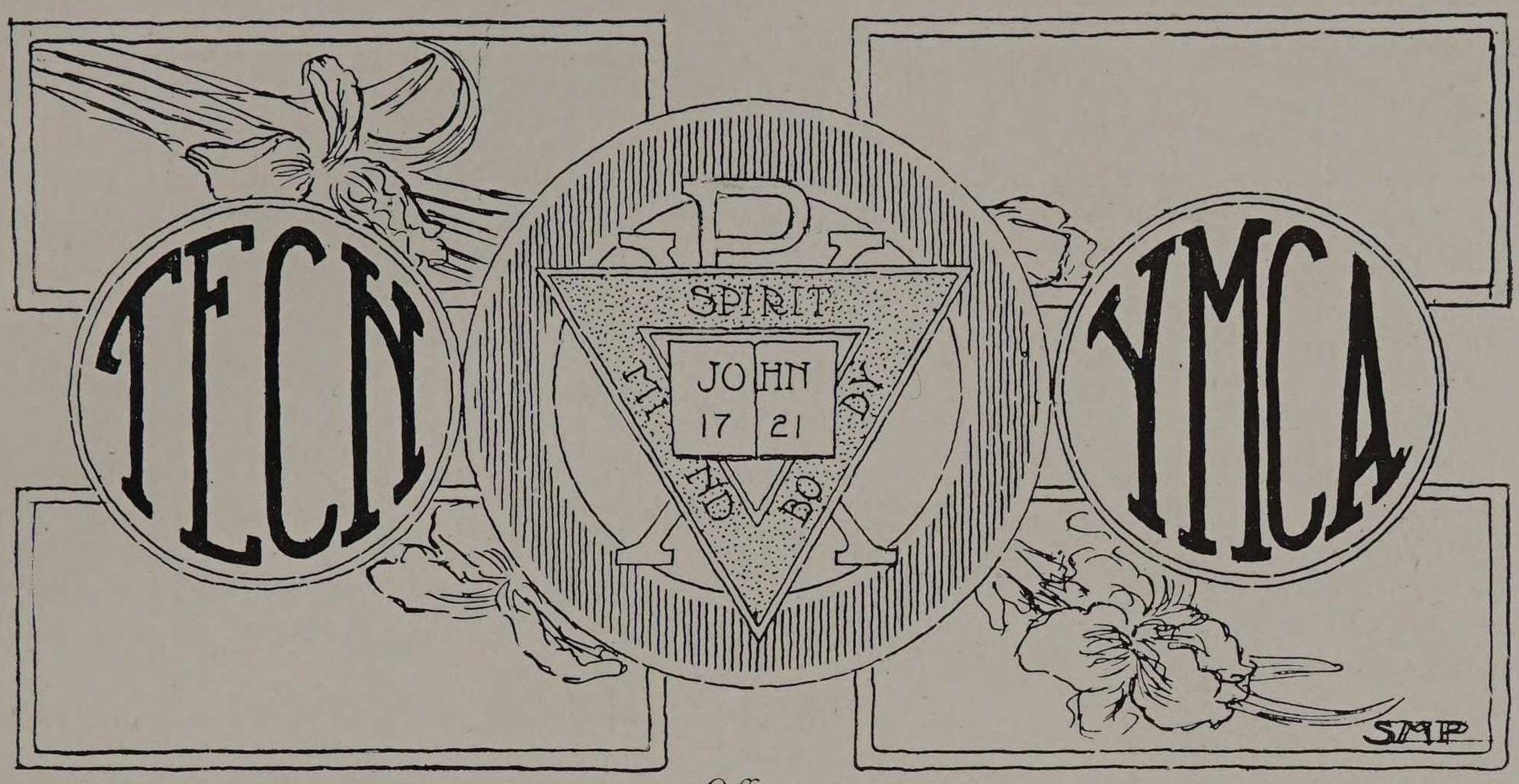
Second Mandolins
L. J. BERGMAN, '16
H. A. LINENDOLL, '17

Second Violin
F. P. STRAUCH, '17

Drums
L. FETTEN, '16

Piano
G. T. DOUGHERTY, '16





Officers

Lyman W. Close	President
Walter L. Burroughs	Vice-President
O. A. Anderson	Recording Secretary
J. W. Turner	Department Secretary

Board of Management

Prof. G. M. Wilcox . . . Chairman

Prof. C. W. Leigh	Prof. G. L. Scherger
Prof. T. E. Doubt	Prof. M. B. Wells
Mr. F. U. Smith	Mr. N. P. Peterson
L. W. Close	O. A. Anderson

J. W. Turner

Committee Chairmen

R. C. Palmer	Membership
C. L. Bolte	Meetings
E. M. Kratz	Social
W. H. Hallstein	Social Service
W. M. Bready	Advertising



Y. M. C. A. Notes

The Armour Institute branch of the Y. M. C. A. was organized in the fall of 1899 by Mr. W. J. Parker, who was at that time Student Secretary of Chicago. The original membership was six members, and the rooms at that time were at 3321 Armour Avenue.

At present the membership is over one hundred and seventy men, and the Association occupies rooms on the third floor of Chapin Hall. The rooms are open during the school hours, and until seven o'clock in the evening.

During the winter months a number of our members assist in social service work, such as teaching English to foreigners. This work is supervised by the Central Y. M. C. A., which assists our men to find classes in various parts of the city. This is a very important branch of the activities, as it gives the engineering students a chance to come in contact with the sort of men they must learn to deal with and control.

Upon request, new students are met at the train by association men, and assistance is given in finding rooms for these men. The church committee also endeavors to place the new out-of-town students with churches of their respective denominations.

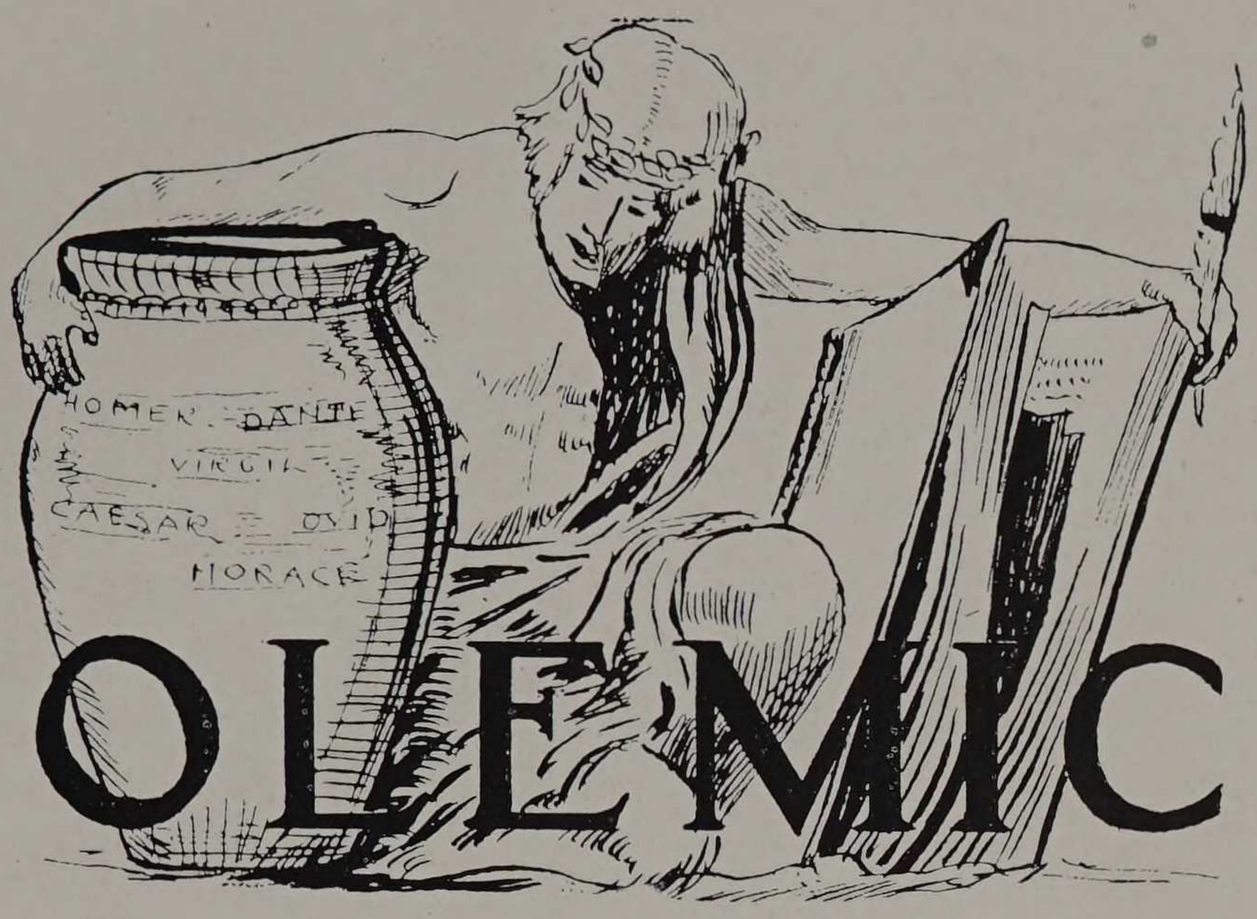
The first social event of each year is the "Freshman Handshake." This is held in the Institute lunch room, on the second or third Friday of the school year, this function being held to give the Freshmen a chance to get acquainted with each other and the upper classmen.

Various meetings are held throughout the year, some of these being held from 5:00 to 5:45 on Tuesday evenings; and others, of a social nature, being held during the evenings at intervals during the year.

The rooms contain a billiard table and piano, and also checker and chess boards besides an extensive assortment of periodicals and books. Billiard, chess, and checker tournaments are held during the year, thus making the time spent in the rooms pleasant and profitable.



The Busiest Place in School

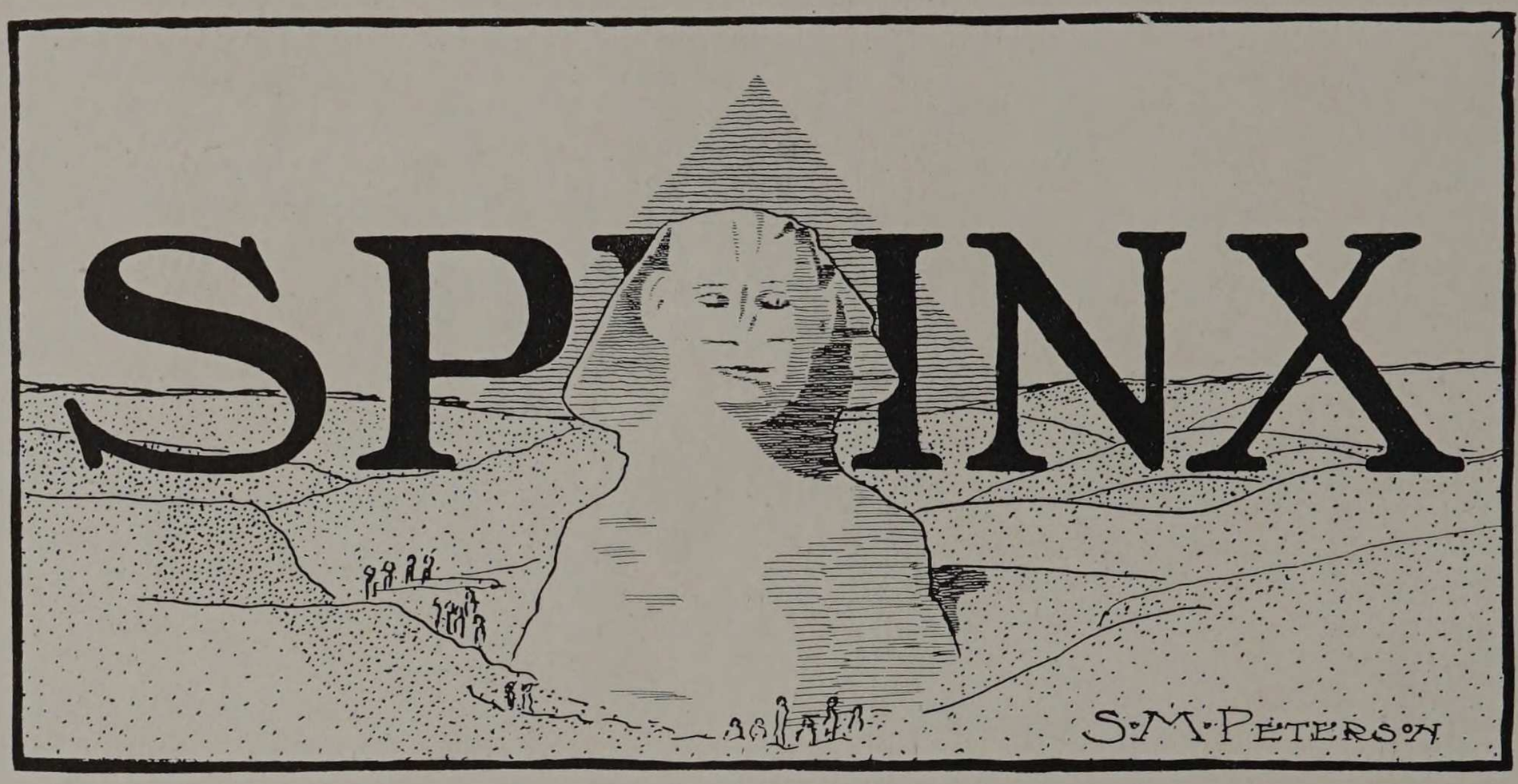


POLEMICS

The Polemics was organized in the spring of 1913 as a means of filling a long-felt want at Armour, a society for literary discussion which, should be open to all members of the Institute. Incidental to practice in public speaking, parliamentary usage is taken up and each member is given a chance to preside at a meeting and to act as secretary. Visitors are invited to attend the sessions and to take part in the discussions, which cover topics introduced by the members. The president for the first semester of this year was George W. Sproesser and the secretary was Clifford D. Wight. These positions are now held by William V. Lindblom and Theodore J. Kiene respectively.



Top Row—Shaffer, Bready, Marx, Kiene, Hanson. Second Row—Lindblom, Knuepfer, Dietenbeck, Sherman. Bottom Row—Trinkaus, Chipman, Sproesser, Wight, Simmons.



Officers

HARRIS PERLSTEIN . . . . President
EDWARD MENKE . . Secretary and Treasurer

Faculty Members

DEAN L. C. MONIN
E. W. McMULLEN

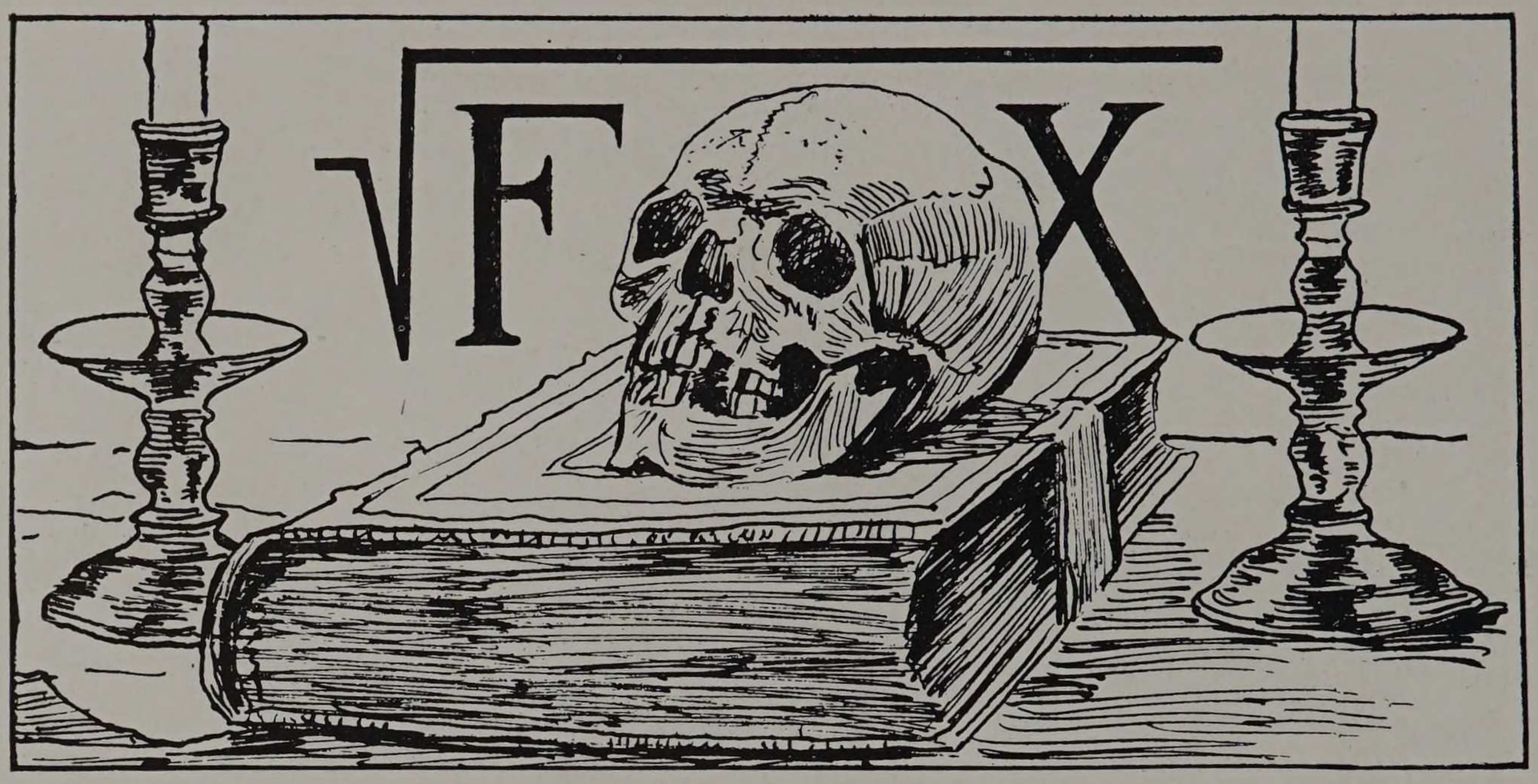
Members in College

CLARKE C. HERITAGE
FRANK W. HOOK
CLAUDE A. KNUEPFER
DAVID B. LESSER
WILLIAM V. LINDBLOM
LAWRENCE J. McHUGH
EDWARD W. MENKE
HARRIS PERLSTEIN
EARL W. PORTER
HAROLD F. SMITH
ROBERT W. WHITMORE
EDGAR G. ZACK

The Sphinx Society is an honorary as well as a social and business body. It was organized to obtain cooperation between the publications at Armour Institute of Technology, namely the Fulcrum, the Armour Engineer and the Integral, at present the CYCLE. The executive heads of each publication are members by virtue of office. There are also two faculty members ex officio. At the end of each year some of the men who have served at least a year on one of the college publications are picked for membership. The Sphinx is the controlling literary body of the Institute.



Back Row—Lindblom, Whitmore, Smith, Knuepfer, Heritage, Porter. Front Row—Lesser, Menke, Perlstein, Hook, Zack, McHugh.



Senior Fx

F. L. Brewer
C. A. Dean
T. C. Bolton
W. H. Hallstein
H. D. Gumpper
J. Jucker, Jr.

F. D. Farrar
C. C. Heritage
H. E. Jedamske
F. Hook
P. F. Auer
A. N. Koch

W. H. Hamilton



Top Row—Gleason, Brewer, Hallstein. Second Row—Farrar, Dean, Bolton, Gumpper. Bottom Row—Jucker, Auer, Koch.

Junior Fx

J. F. Chamberlin
H. P. Sherwood
W. H. Rietz
J. E. Agee
F. G. Cooban
J. J. Windsor
E. M. Kratz
C. A. Knuepfer
F. H. Wagner
J. E. Conklin
D. M. Goe
T. Sullivan
J. R. LeVally



Top Row—Sherwood, Sullivan, Windsor, Goe. Second Row—Wagner, Knuepfer, LeVally. Bottom Row—Kratz, Close, Cooban, Rietz.

Sophomore Fx

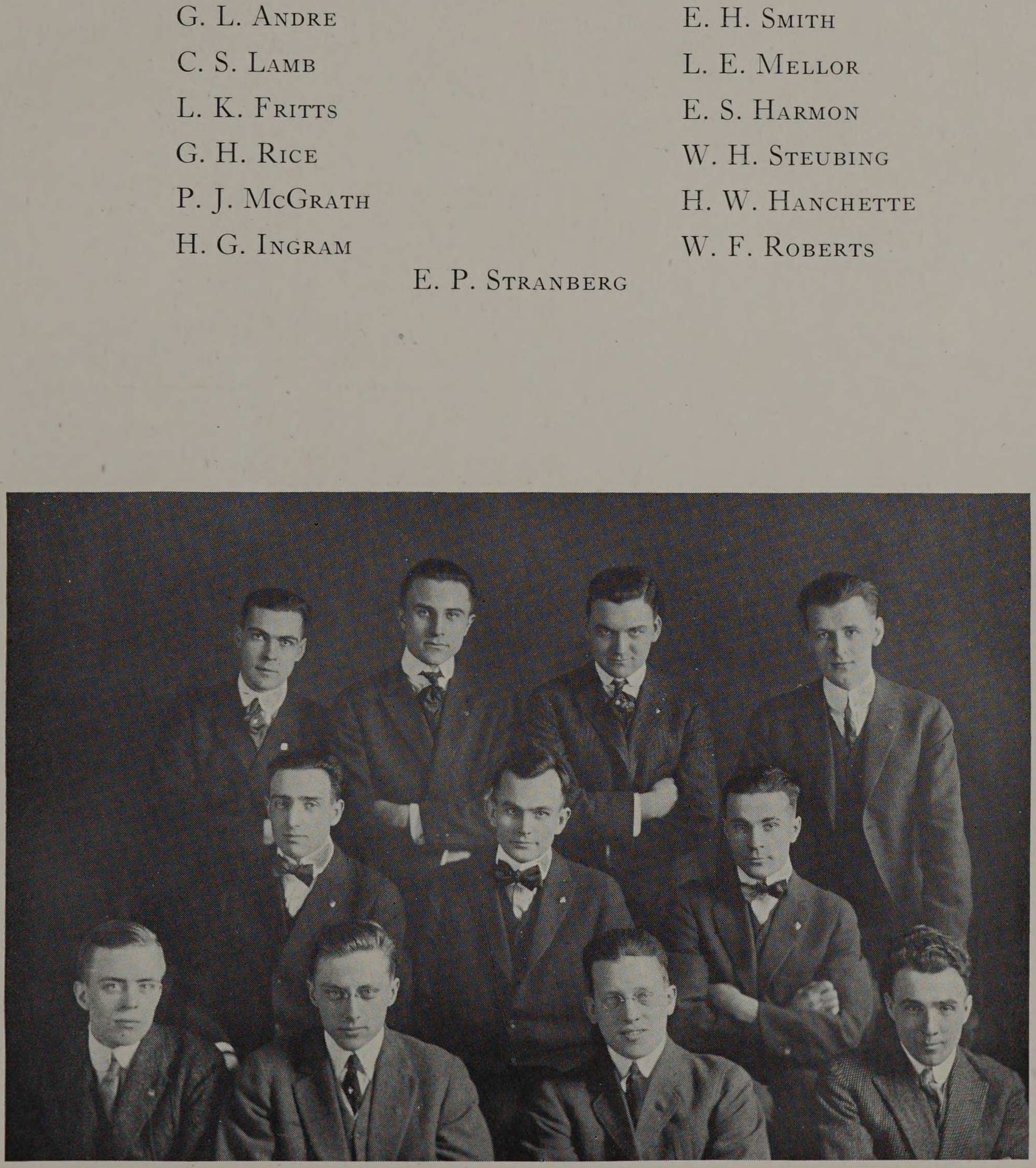
C. L. Bolte
E. R. Eames
E. D. Pierre
C. Hill
R. F. Durant
J. E. Sullivan
J. F. Boand
H. B. Roos
H. L. Wallbrecht
E. W. Mann
L. J. McHugh



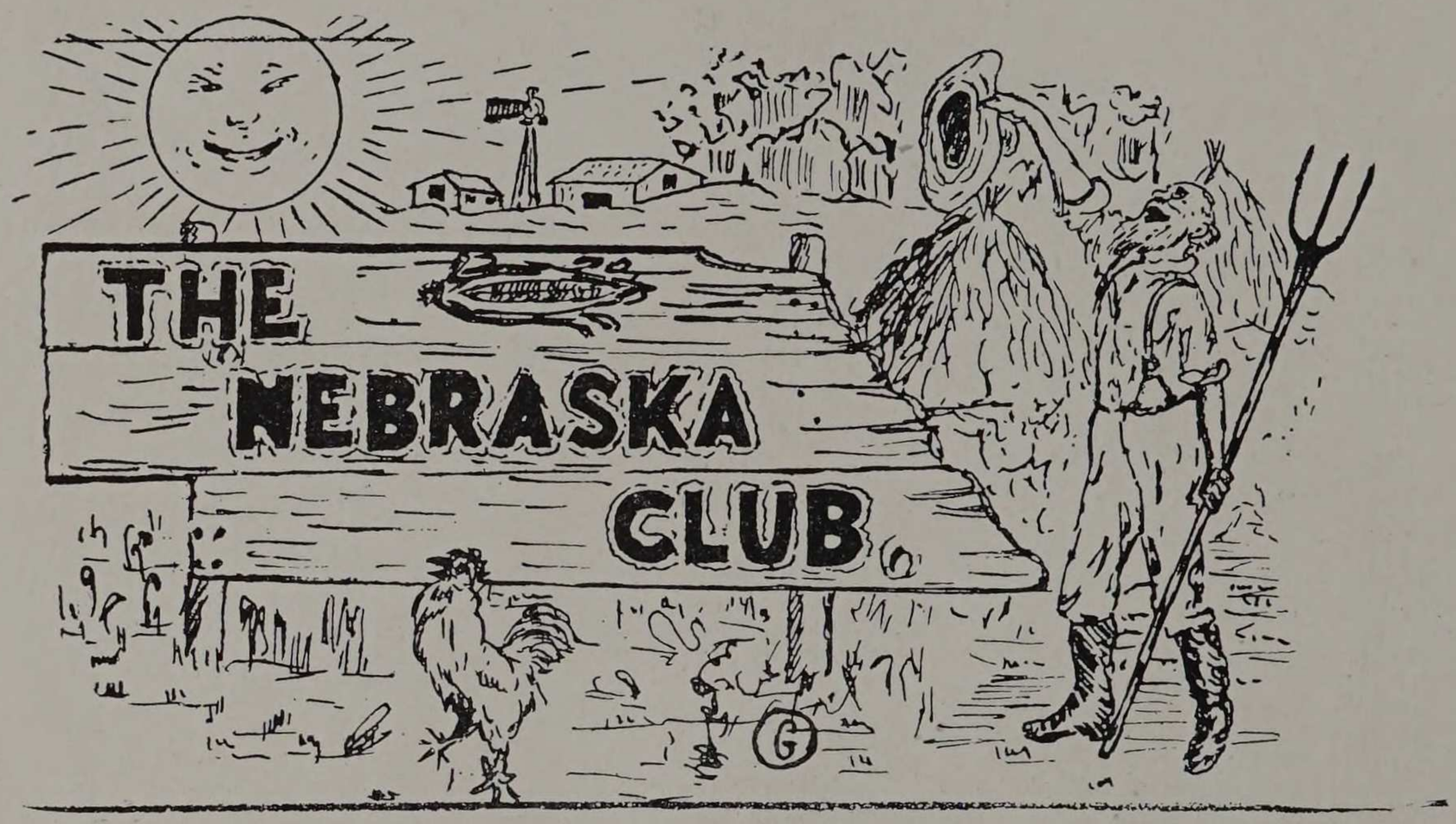
Top Row—Wallbrecht, Sullivan, McHugh, Swanson. Second Row—Pierre, Mann, Hill Bottom Row—Eames, Bolte, Durant, Boand.

Freshman Fx

G. L. Andre
C. S. Lamb
L. K. Fritts
G. H. Rice
P. J. McGrath
H. G. Ingram
E. P. Stranberg
E. H. Smith
L. E. Mellor
E. S. Harmon
W. H. Steubing
H. W. Hanchette
W. F. Roberts



Top Row—Stuebing, Mellor, McGrath, Lamb. Middle Row—Ingraham, Roberts, Hanchette. Lower Row—Stranberg, Smith, Fritts, Rice.



Officers

E. G. Zack	President
T. J. Kiene	Vice-President
R. G. Bohn	Secretary and Treasurer

Members

E. G. Zack, '14	Columbus
H. E. Willson, '14	Anselmo
T. J. Kiene, '15	Omaha
R. G. Bohn, '14	Grand Island
A. B. Griffith, '15	Omaha
E. P. Weeth, '16	Gretna
E. A. Zack, '17	Columbus
R. Prochazka, '16	Dodge
E. Hammond, '17	Columbus
K. L. Dern, '17	Stanton

Honorary

H. C. Stanley	Omaha
G. F. Brown	Omaha

The Nebraska Club was founded in 1906, with twenty active corn-husker members.

The social events consist of a banquet, a dance, a theatre party and several smokers each year. This year the theatre party was held at the Cort Theatre on January 24th, when twelve of us saw "Help Wanted."



Top Row—Kiene, E. G. Zack, Bohn. Second Row—Griffith, Dern. Bottom Row—Hammond, E. A. Zack, Weeth.

"A" CLUB



The Honor "A" Society

Members

C. C. Heritage . . . . President
W. H. Hallstein . . Secretary-Treasurer
A. S. Alter . . . . . Statistician

B. J. Herman
A. Katzinger
J. M. Emslie
J. F. Chamberlin
L. A. King
L. D. Hook
A. L. Carver
J. Sullivan
G. J. Trinkaus
T. Sullivan
F. G. Cooban
A. W. Barr
C. S. Lamb

Honorary Members

John J. Schommer — Dr. H. B. Thomas

At last the necessary has become a reality. Due to the efforts of C. C. Heritage an "Honor A" society has been founded at Armour. Heretofore, when a person won an emblem, in one line of athletics or another, he was given his letter, and that was as far as it went. The memories of the struggle for it and the record which it represented were soon forgotten. The only encouragement for a fellow to come out and compete for an emblem was the emblem itself and the knowledge that he was showing school spirit. Now that the "A" society has been formed, it will give the fellows greater encouragement to get out and work. By sacrificing the time for their activities in Tech athletics, they will obtain not only their emblems, but also membership in the society.

The fundamental idea back of the formation of the society was that of bettering athletics in general at Armour. An organization of this kind is an aid in bringing out the material, and stimulates competition for the places on the various teams.

Heritage, who had attended the U. of C., where they have an honorary athletic organization, had learned to appreciate the benefits from such an association, and realized that it would be a good thing for the Tech. He consulted the Deans and they gave their approval, so he called a meeting and the wearers of the "A" responded in numbers. Heritage was elected President of the society as a reward for his work in organizing it. W. H. Hallstein was elected Secretary and Treasurer, A. S. Alter became Statistician, whose duty it is to keep a record of the deeds of Armour athletes in their various sports. At a second meeting, John J. Schommer, our coach, and Dr. H. B. Thomas, general director of athletics, were elected honorary members. The emblem of the organization, a gold "A" with stars stamped on it to represent the number of "A's" won, was also adopted at this meeting.



Left to right, outside—Trinkaus, J. Sullivan, Emslie, Hook, Mascot, Heritage, T. Sullivan, Hallstein, Carver. Inside—Katzinger, Alter.

ALUM[illegible]ATION



BOARD OF MANAGERS 1913-1914

HENRY W. CLAUSEN, '04 . . President

THOMAS A. BANNING, '07 . Vice-President C. E. BECK, '11 . Recording Secretary

HAROLD W. NICHOLS, '08 . Cor. Secretary F. G. HEUCHLING, '07 . Treasurer

Master of Ceremonies

W. B. PAVEY, '99 HAROLD A. DURR, '05

Managers to 1916

FRITZ A. LINDBERG, '01 E. O. GREIFENHAGEN, '06 F. M. deBEERS, '05

Managers to 1915

E. F. HILLER, '06 J. B. SWIFT, '01 A. E. ALSCHULER, '99

Managers to 1914

W. G. WUEHRMAN, '08 E. F. GILLETTE, '06



THE TESTING LAB. ON ALUMNI DAY

The managers of the Alumni Association of Armour Institute of Technology, in considering the nature and place of the meeting scheduled for the Spring of 1913, gave heed to the provisions of the Constitution which sets forth as objects of the Association: (1) the promotion of good fellowship, and (2) maintenance of interest in affairs at the Institute. It was agreed that a more prolonged and less formal gathering which would give the graduates a chance to mix more readily than at a standard banquet would serve towards the furtherance of the first object. At the same time it seemed plain that a visit to Armour would be the most effective way of getting into touch with Institute developments, plans, and activities. The natural conclusion was: "Let's meet at 33rd and Armour."

Accordingly a crowd assembled on Ogden Field about 3 o'clock Saturday afternoon, May 24, 1913, and watched the Alumni "Old Stars" beat the regular Tech. nine in ten innings, 4 to 3.

At the banquet in the evening over 185 of the graduates of the school were present. Dr. Gunsaulus said grace and added a word of welcome. He said the meeting differed from a church meeting in that many more attended than promised to attend while in gatherings of the latter type many more promised to come than actually appeared at the time appointed. President Greifenhagen then spoke in welcome to the graduating class of 1913 and thanked the Institute Council and the faculty for their co-operation in working out the reunion plans. President Burley of the class of 1913 replied for his class. Professor Monin next addressed the meeting in a rousing speech overflowing with enthusiasm and kindliness and uttered in his usual hearty and sincere manner. The famous Armour Quartet contributed a few jolly songs and W. G. Smith of the faculty followed with a solo. Ernest McCullough, all around engineer, spoke briefly and practically on the "Engineers' Fight," referring to the engineers' fight for a job and for adequate compensation and recognition. The meeting wound up with a snappy business session at which officers reported a year of progress.



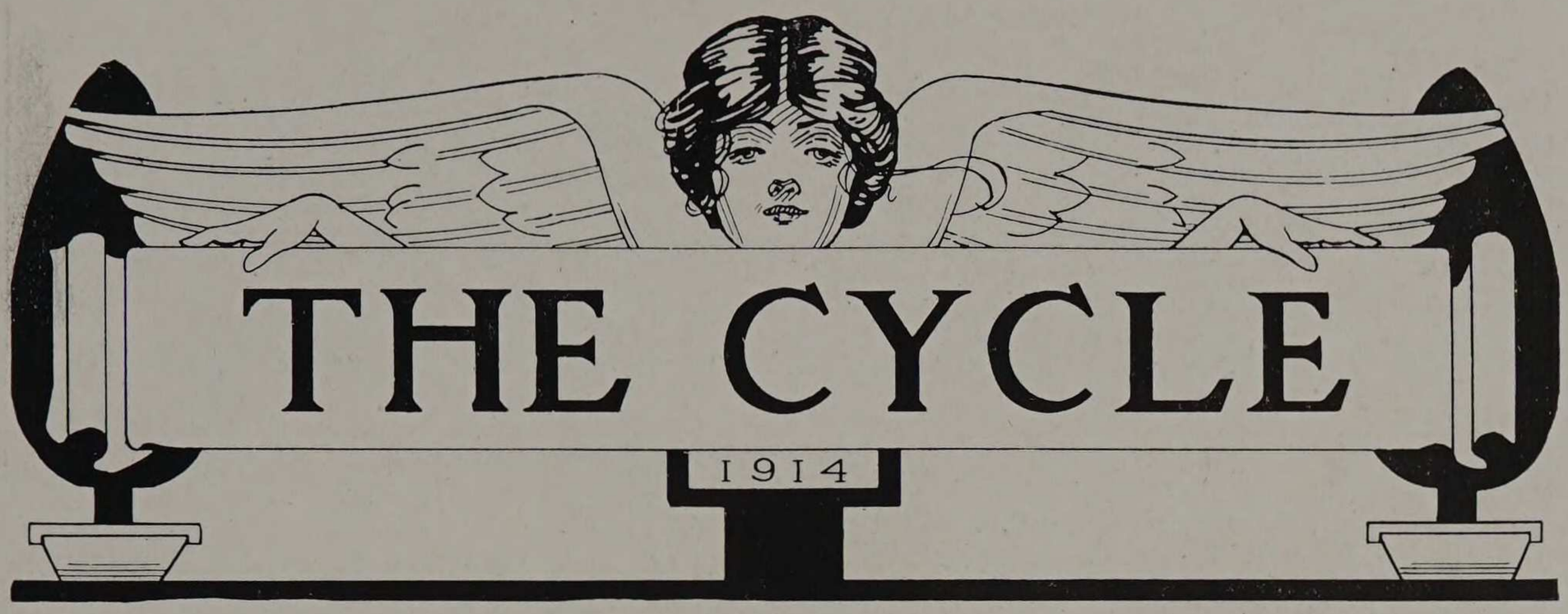
Top Row—Gillette, Pavey, Wuehrmann. Middle Row—Greifenhagen, DeBeers, Clausen, Banning. Bottom Row—Lindberg, Durr, Heuchling.



THE CROWD AT THE ALUMNI GAME



THE ALUMNI TEAM ALUMNI-5 TECH-4



THE CYCLE

1914

The Staff

EARL W. PORTER . . . Editor-in-Chief
CLAUDE A. KNUEPFER . . Business Manager
ARCHIE B. GRIFFITH . . Assistant Editor
FREDERICK L. CHIPMAN Asst. Business Manager

Department Editors

WILLIAM M. BREADY . . Athletic Editor
EDWARD M. KRATZ . . . Social Editor
SIDNEY SHAFFER . . . Humor Editor
ARNE BODHOLDT . . . . Art Editor
WALTER H. RIETZ . . Advertising Manager

Advertising Assistants

DENTON A. CHASE — LESLIE C. MAYER
LESTER S. DOWNEY — GEORGE SPROESSER

Class Representatives

HARRIS PERLSTEIN, JOEL POMERENE . . Senior Class
GEORGE J. TRINKAUS, CHARLES R. SIMMONS . Junior Class
LAWRENCE J. McHUGH, DONALD R. STEPHENS . Sophomore Class
JOHN W. TIERNEY . . Freshman Class
H. W. CLAUSEN . . . . Alumni
ANDREW G. STARK . . . . Atelier
CHESTER F. WRIGHT . . . Photographer

DEPARTMENT EDITORS OF THE NINETEEN FOURTEEN CYCLE




F. L. CHIPMAN
T-H-E
CYCLE
STAFF
1914
C. A. KNUEPFER
E. W. PORTER
A. B. GRIFFITH



Top Row—Stephens, McHugh, Bodholdt, Pomerene, Simmons, Stark, Trinkaus. Second Row—Kratz, Chipman, Knuepfer, Porter, Griffith, Shaffer. Bottom Row—Bready, Chase, Reitz, Grossman, Sproesser, Downey, Wright.



At last, the CYCLE is out. To you it is merely one of the events of the college year, to us it is the all important event of our Junior year. After days and nights of work and worry, we are not at all sorry that our work is done, and we leave the decision as to whether our work is well done, to you. But whether your decision be favorable or no, we know that we have done our best in the task set before us, and hope that the issues to come may profit by our errors. We thank you, one and all, for your assistance, and trust that you will find as much pleasure in reading the book as we have had in producing it.

We have been very fortunate this year in securing as advertisers the most representative firms in their respective lines. We take this opportunity to thank them for their patronage, and hope that the investment will be profitable for them. We would appreciate it very much if the students who read their advertisements, remember the advertisers, and after they leave Armour, take every opportunity to bring business to the firms who have been so kind as to place their advertising with us, as one good turn deserves another in return.

After copy had been sent in to the printer, we were informed that there had been a change in the Y. M. C. A. management, caused by the resignation of L. W. Close, the former president. Wm. V. Lindblom was elected to fill the unexpired term.

In our endeavors to produce the CYCLE, the staff has received much valuable assistance from many of the students, faculty and others. We desire to acknowledge our indebtedness and express our thanks to the following men especially, who have helped to a great extent to make the book what it is:

Artists

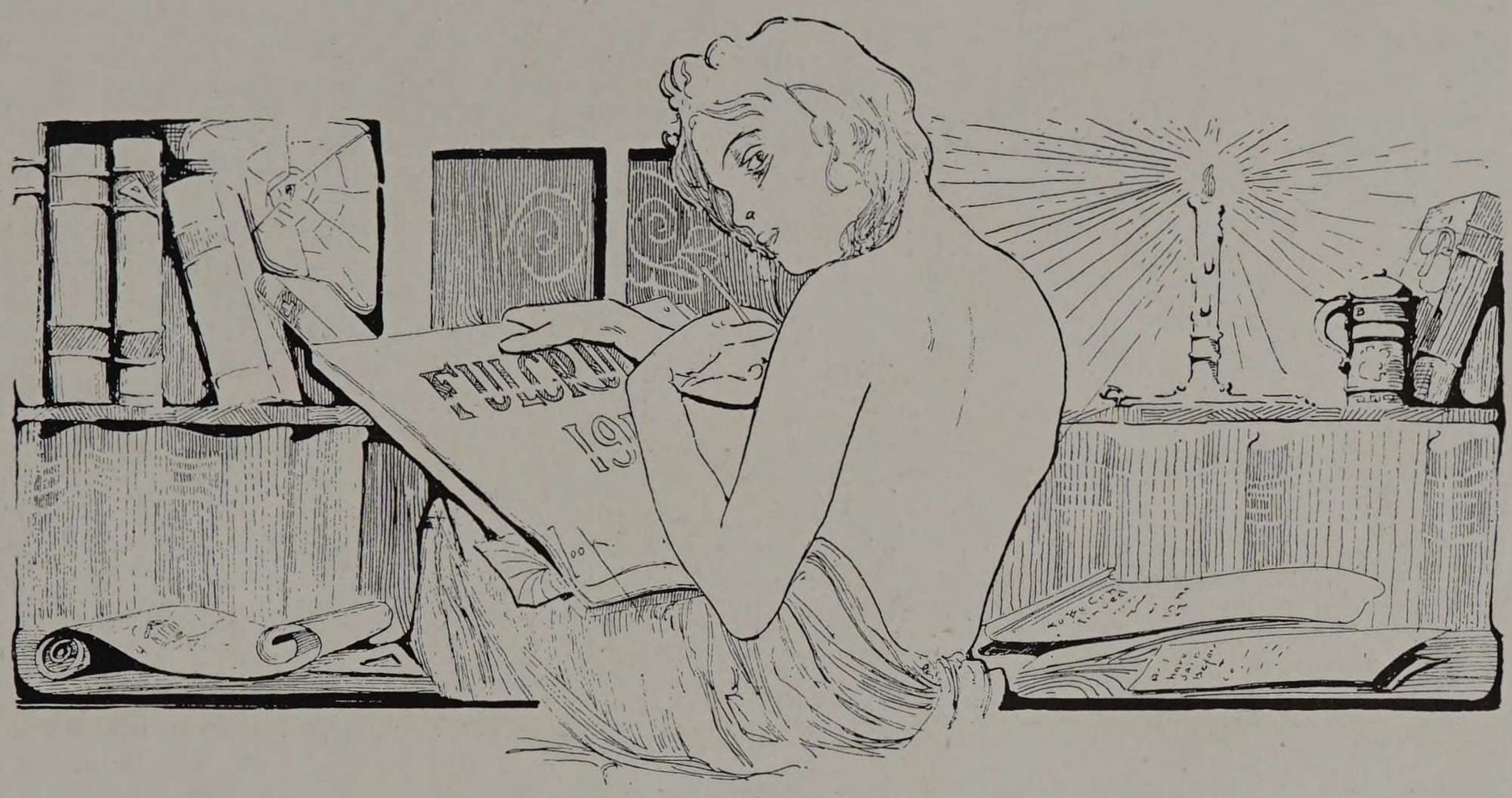
E. F. SCHREIBER	C. C. CRUTTENDEN	R. H. ZOOK	C. E. WOLFLEY
GEORGE CLARK	S. M. PETERSON	B. K. GIBSON	A. T. NEWSOM

Literary and Other Contributors

DR. F. W. GUNSAULUS	T. J. KIENE	PROF. J. E. SNOW	W. L. GILLIDETTE
DEAN H. M. RAYMOND	F. HOOK	PROF. W. G. SMITH	H. A. ROOK
DEAN L. C. MONIN	F. U. SMITH	A. N. GROSSMAN	

The Koehne Studio had charge of the photographic work, and by their unfailing courtesy and accommodation, did much to add to the success of the work. The engraving work was done by the Bureau of Engraving of Minneapolis, Minn., and the printing and binding by the Rogers Printing Company of Dixon, Illinois.

We have dedicated the CYCLE this year to Prof. Alfred Edward Phillips, the head of the Civil Engineering Department. Prof. Phillips came to the school in 1899 when the Department was organized. He holds the friendship and respect of all with whom he has come in contact, and we dedicate this book to him as an expression of the regard in which he is held by the Class of 1914.



THE STAFF

Wm. V. Lindblom, '15	Editor-in-Chief
E. G. Zack, '14	Business Manager
L. J. McHugh, '16	Managing Editor
Dr. G. L. Scherger	Advisory Editor
Charles R. Simmons, '15	Engineers' Column
Joel Pomerene, '14	Just News
E. M. Kratz, '15	Social
A. S. Alter, '16	Athletics
Fred Farrar, '14	Who's Who and Why
Geo. Trinkaus, '15	Exhaust
J. L. Shane, '14	Architecture

Class Representatives

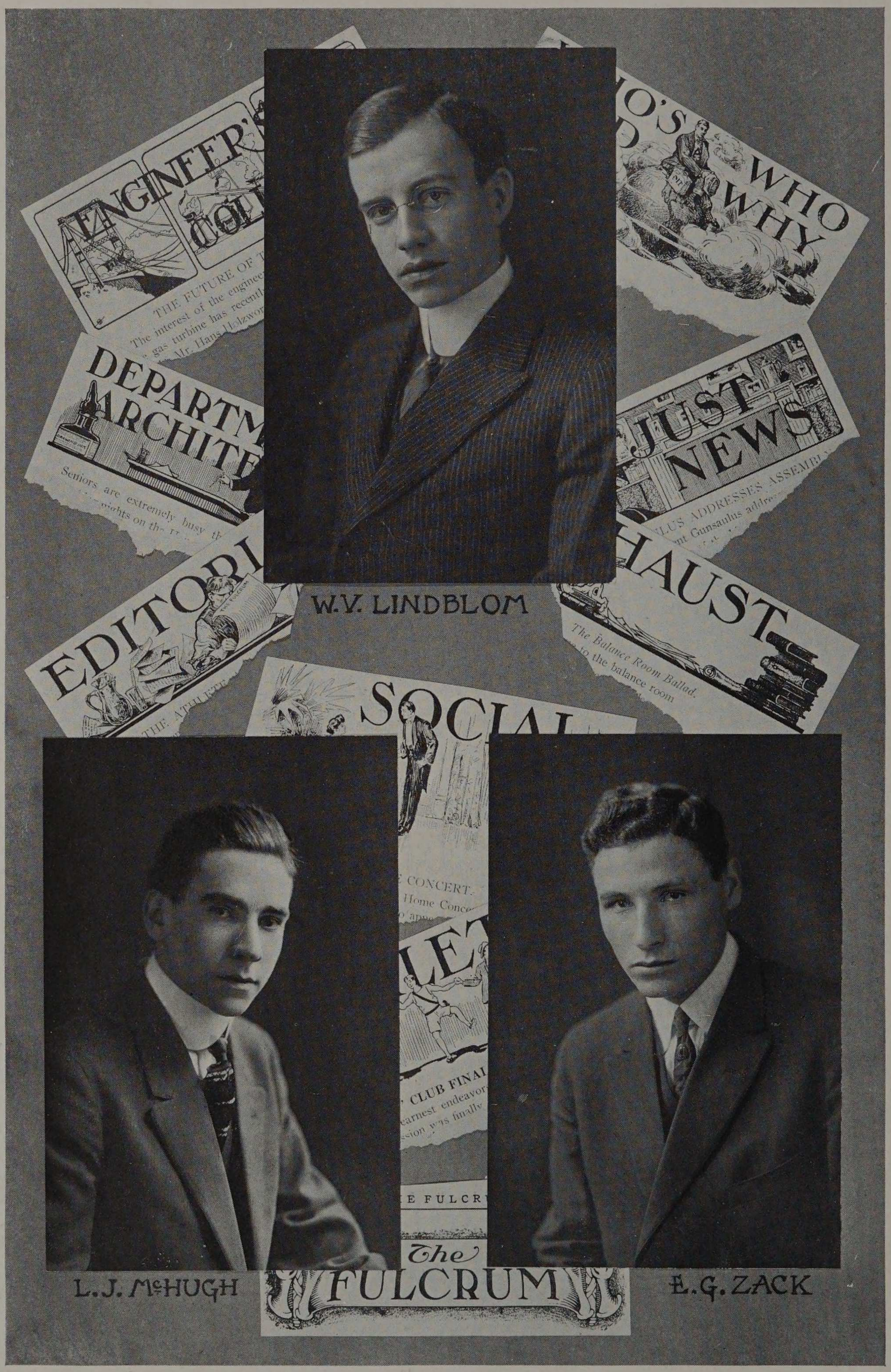
DeCelle, '14 — Shaffer, '15 — Ott, '16 — Watt, '17

The "Fulcrum" having again been brought to a sound financial basis by the staff of 1912-13, this year's staff took up the work just where the previous one had left off, and pursued much the same policy—to record accurately all the happenings in the college, and to print information of general college interest, to provide a medium for the expression of opinions, and to give opportunity for the publication of original writings, of nearly any nature, in order to stimulate and encourage the faculties of our student engineers.

Success has been granted us to a large extent in the pursuance of the last phase of the above policy, many articles of varying types having been published.

The general style of the paper has been maintained, with the following exceptions. A standard cover was adopted throughout the year, and handset box headings were freely used in the body of the paper, making a more pleasing appearance. The department of "Tech Tachs" was assimilated by that of the "exhaust," since they were of much the same nature and edited by the same man.

The management has been able to dispose of a number of copies equal to approximately fifty-six percent of the college enrollment, a common percentage.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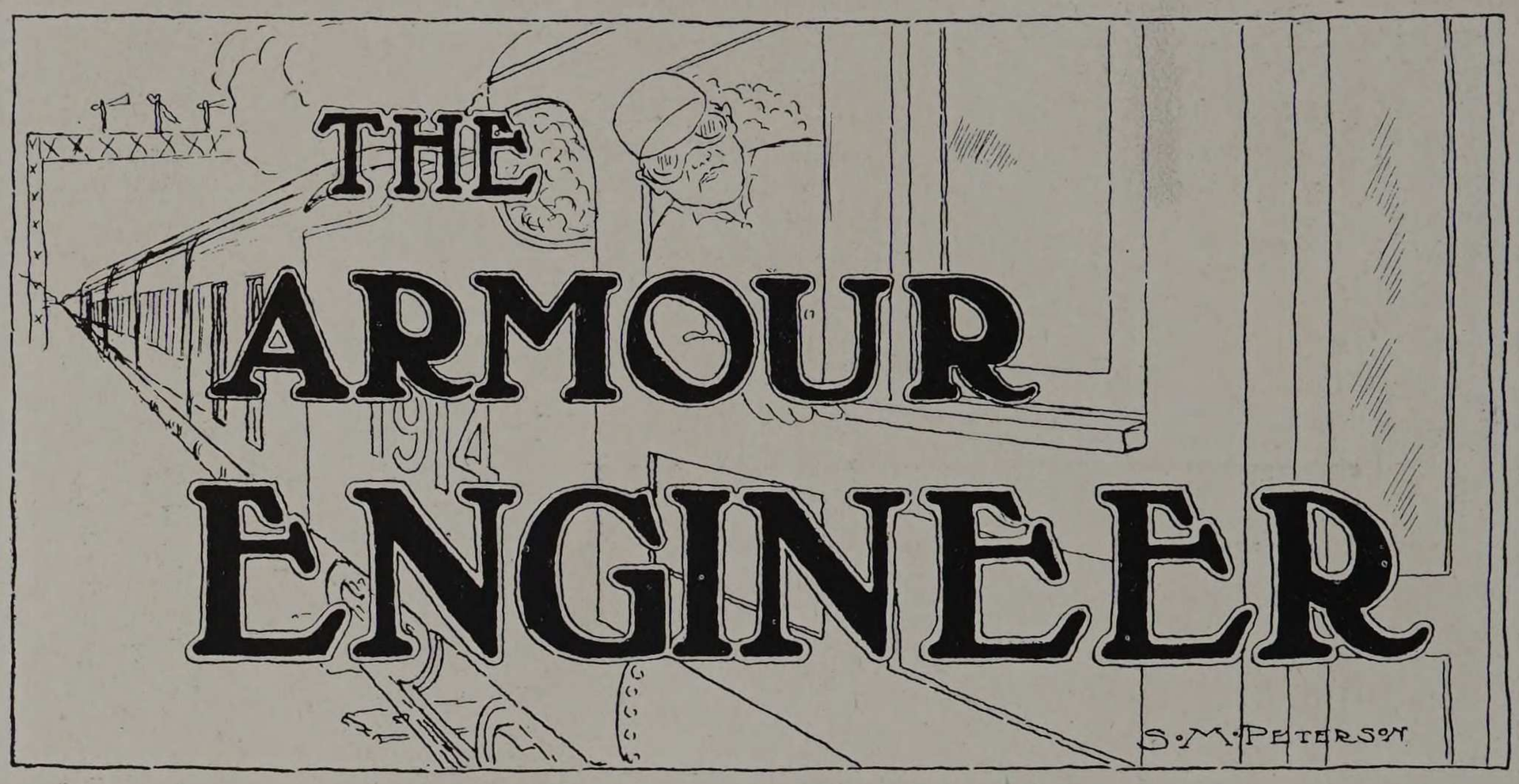
The Balance Room Ballad.
to the balance room
W.V. LINDBLOM
L.J. McHUGH
E.G. ZACK
The
FULCRUM



Top Row—Kratz, Shaffer, Pomerene, Ott. Second Row—Farrar, McHugh, Zack, Lindblom, Trinkaus. Bottom Row—DeCelle, Simmons, Shane, Alter.



At the time THE ARMOUR ENGINEER was started, we had already two college publications, the "Fulcrum," issued monthly, and the "Integral," an annual. These two journals were devoted to the purely local interests of the Armour Institute of Technology, and the first was intended for circulation among the students, largely as a newsy medium to keep alive the college spirit.

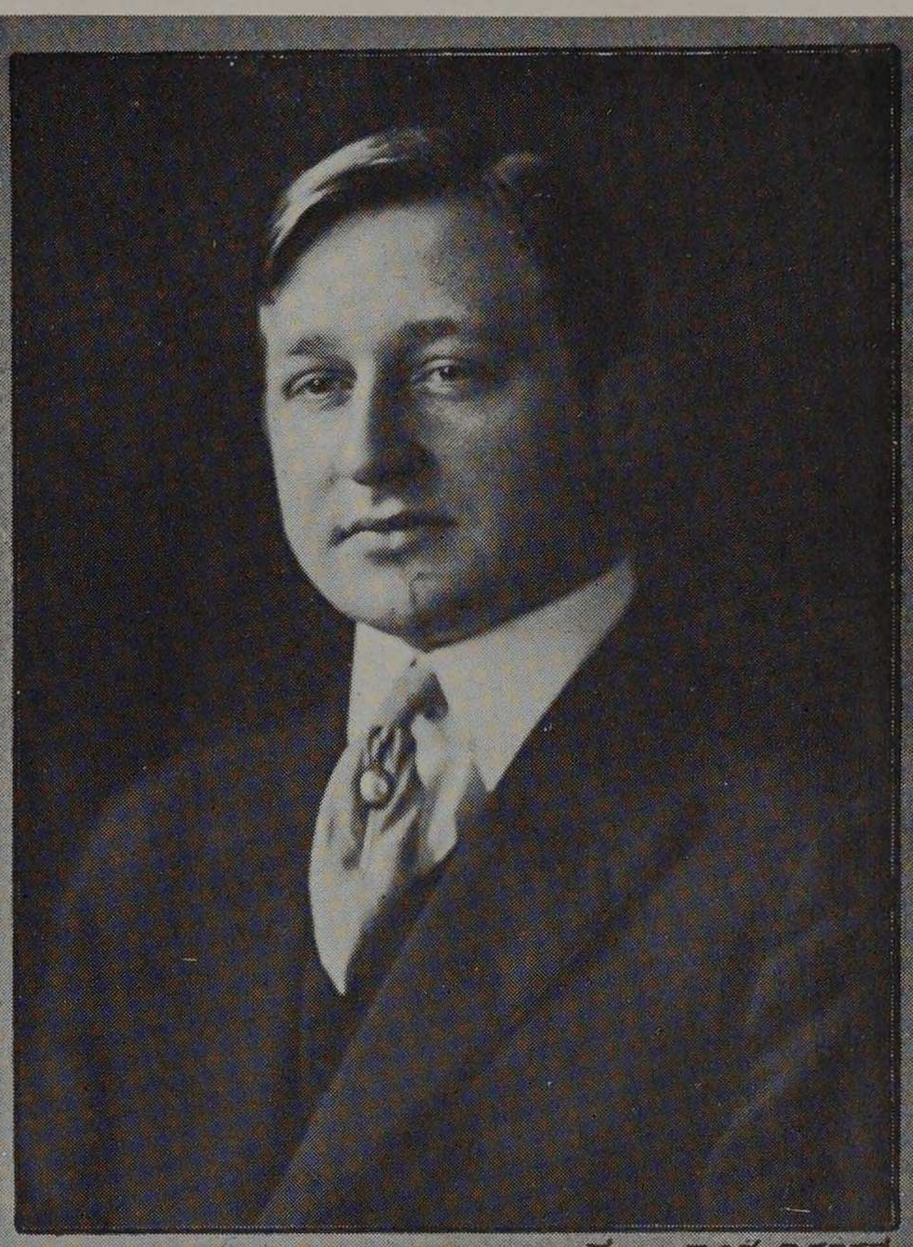
However, we were more ambitious than this, and it was thought that, among the alumni there should be many engineers whose opinions on subjects of engineering importance would be worth while, and whose loyalty might be sufficiently great to keep up a publication of a somewhat different type, namely, a purely technical one, devoted only to science and engineering. It was intended that this journal, THE ARMOUR ENGINEER, should be representative of the progress in engineering made by the alumni of the Armour Institute of Technology, and that it should be a high-grade technical journal, not at all devoted to student activities, or to the activities of the alumni, except in a professional way.

THE ARMOUR ENGINEER has now a large circulation among engineers and others whose opinions are of importance; articles appearing in it have been copied in many quarters, some in foreign countries, and The Engineer is being built up into a *technical* periodical which reflects considerable credit upon the Armour Institute of Technology and its alumni by the engineering excellence of its articles.

The men in charge of the publication this year have done good work both in the business and editorial departments, and the advantage of the new system, adopted this year, of having four men on the staff instead of two as in former years, is apparent. E. Menke and R. W. Whitmore have done excellent work in the editorial department and F. W. Hook and H. F. Smith have brought the advertising department to a paying basis.



F. W. HOOK

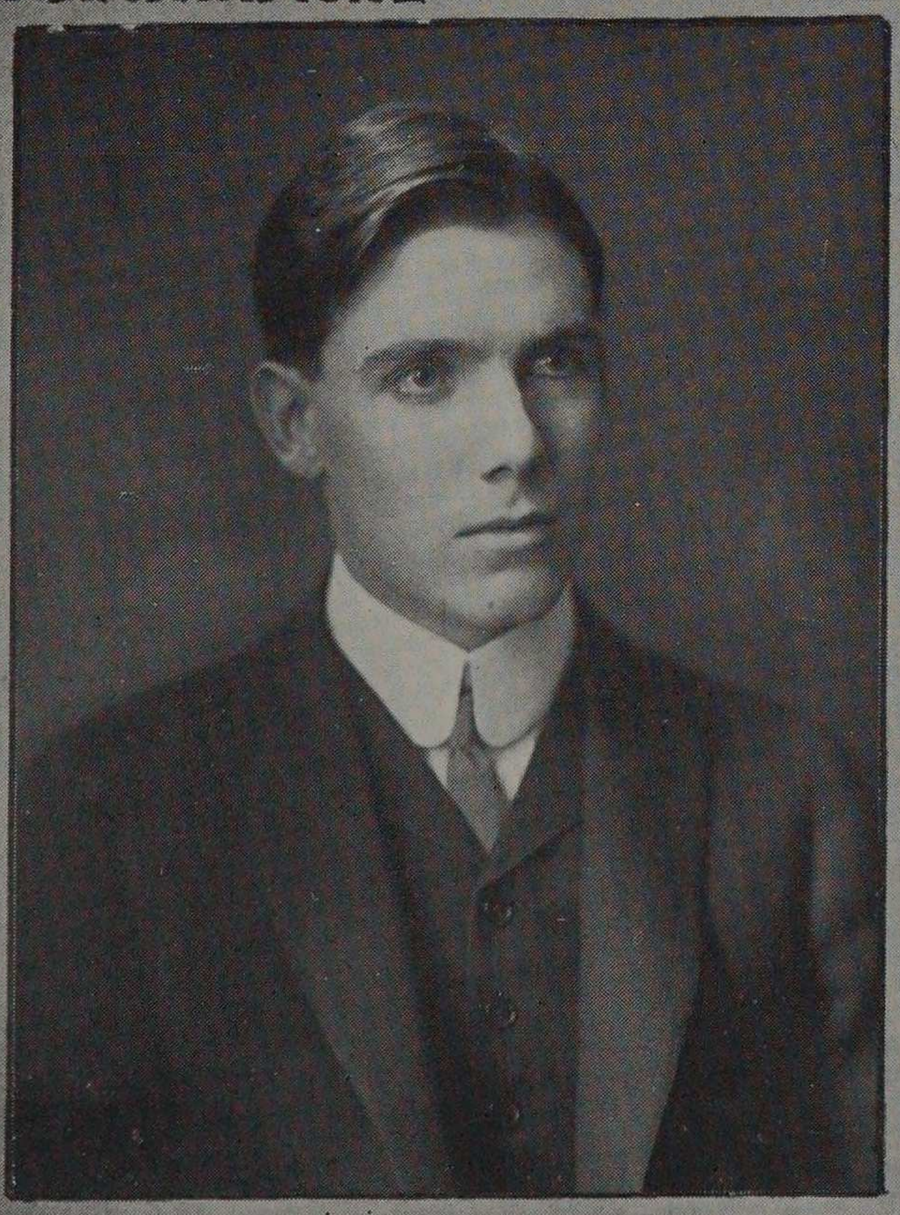


E. MENKE

THE ARMOUR ENGINEER

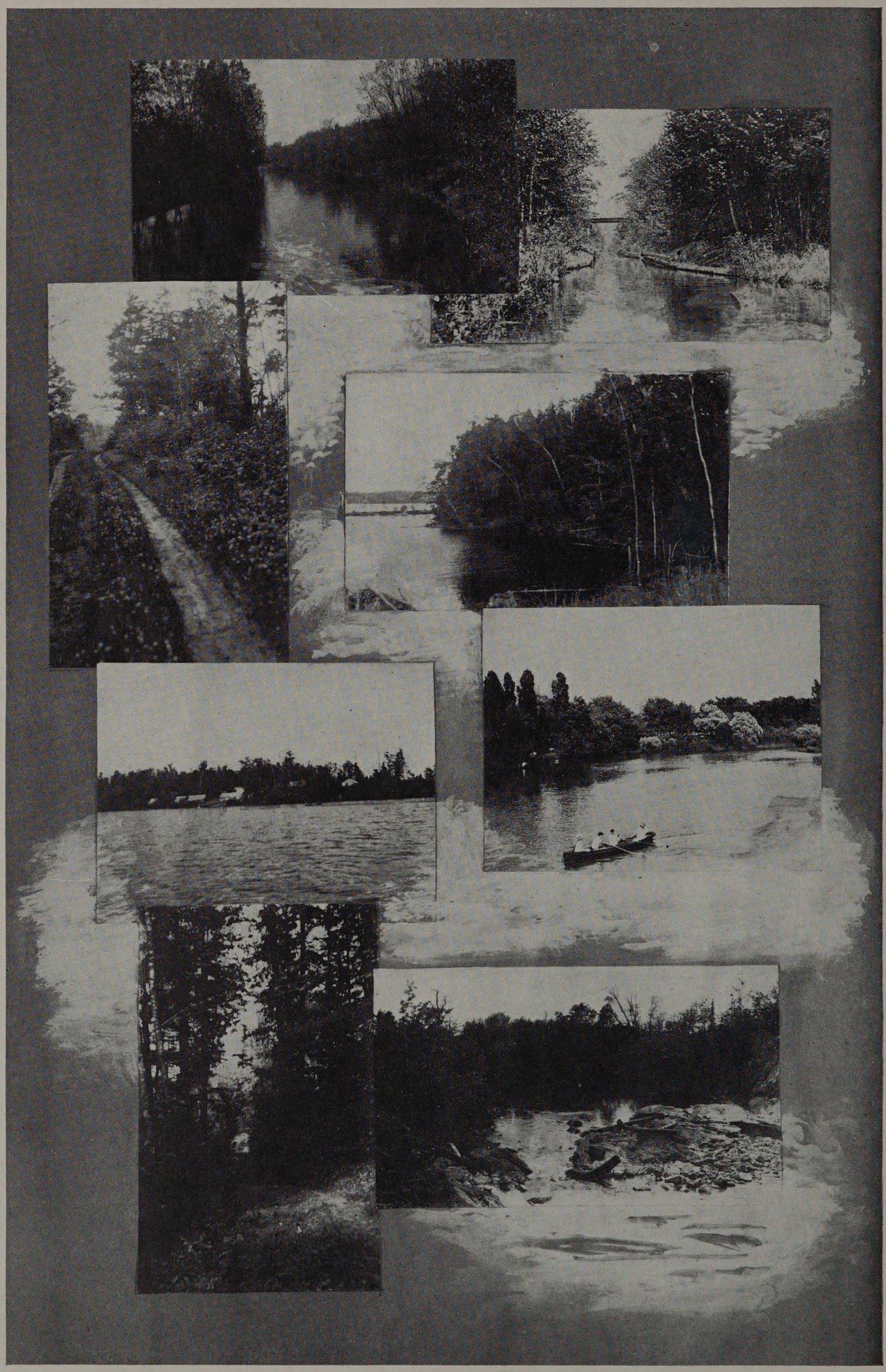
ARMOUR INSTITUTE OF TECHNOLOGY

R. W. WHITMORE

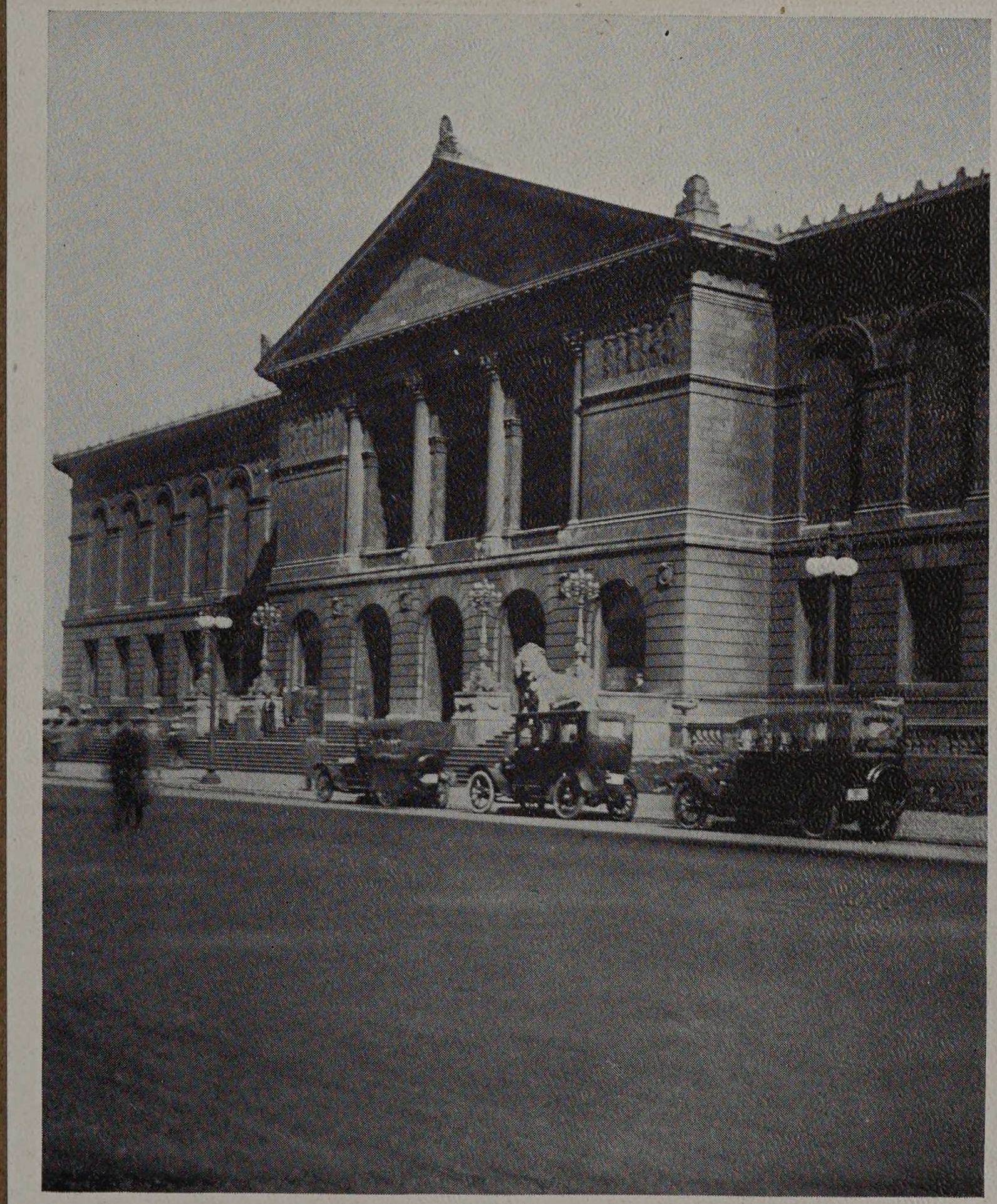


H. F. SMITH





SOCIAL



BOOK FOUR

SOCIAL



Social Review

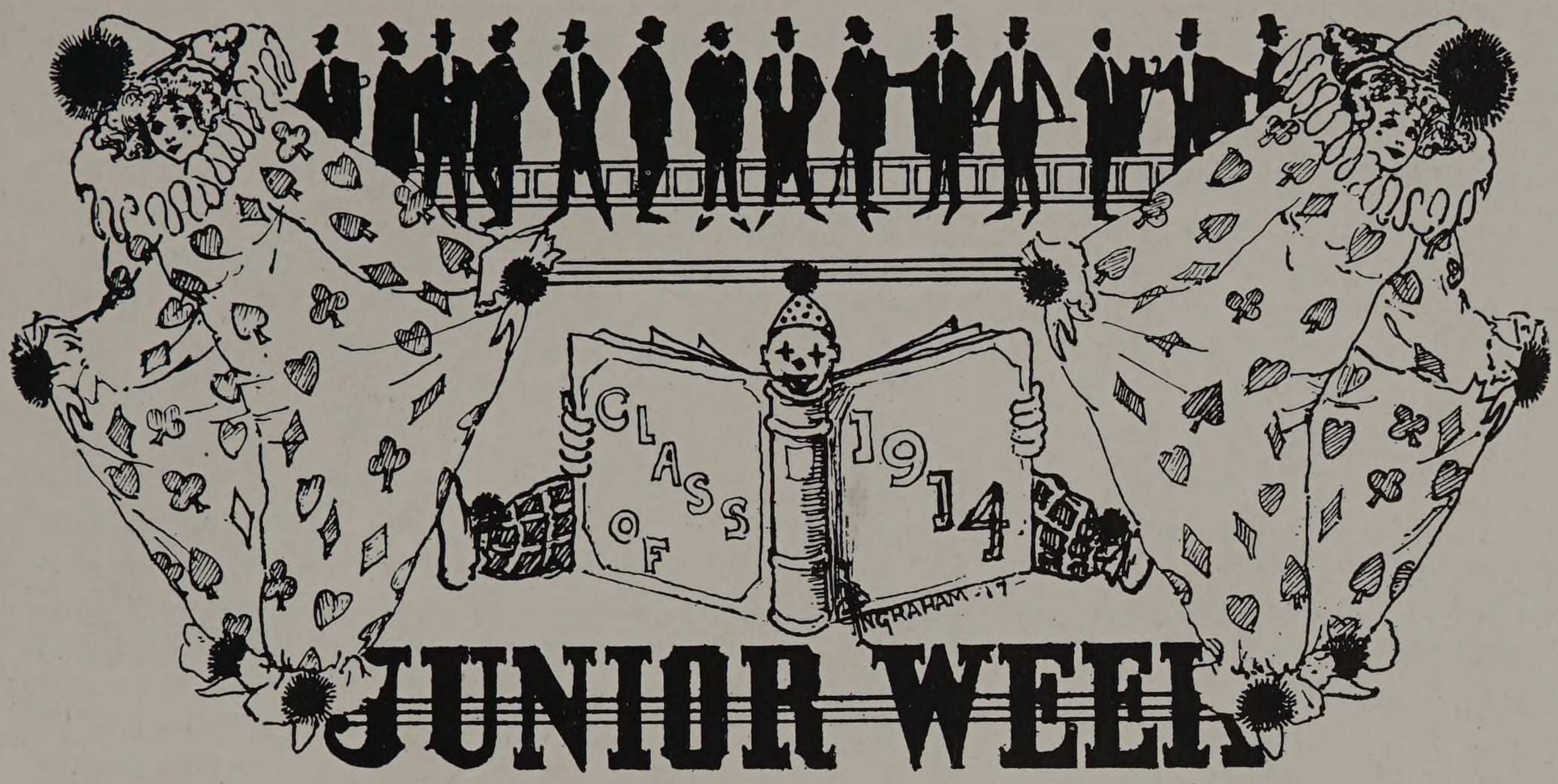
The social life at Armour has seen a decided improvement during the past year. This statement is supported by the fact that a new fraternity has been established and a new society organized. The latest addition to the college fraternities is Beta Phi. They started out this year with a chapter roll of about twenty-five men who live in their fraternity house on Calumet Ave. The Sigma Kappa Delta fraternity has recently moved into a new house on Calumet Ave. The Delta Tau Delta fraternity has moved from 3142 to 3219 Michigan Ave. Their present home is a three story building and has a very beautiful interior. The house is very well laid out and equipped with a great many conveniences, such as fire-places, elevator, etc.

The Fire Protection engineering students have organized themselves into a Fire Protection Engineering Society. The need of such an organization has long been felt and will no doubt be of great benefit to the Fire Protection students.

All of the dances given so far this year have been successful in every way. The question of financing dances has caused a great deal of worry for the respective classes. This was due to the large deficits of last year's dances. The dances this year, however, have all resulted in a profit, which is probably due to the fact that the idea of having expensive programs has been discarded. This has resulted in a great saving in all the class dances and is certainly a step in the right direction, as expensive programs are no longer in good form.

The various functions are given on the social calendar.





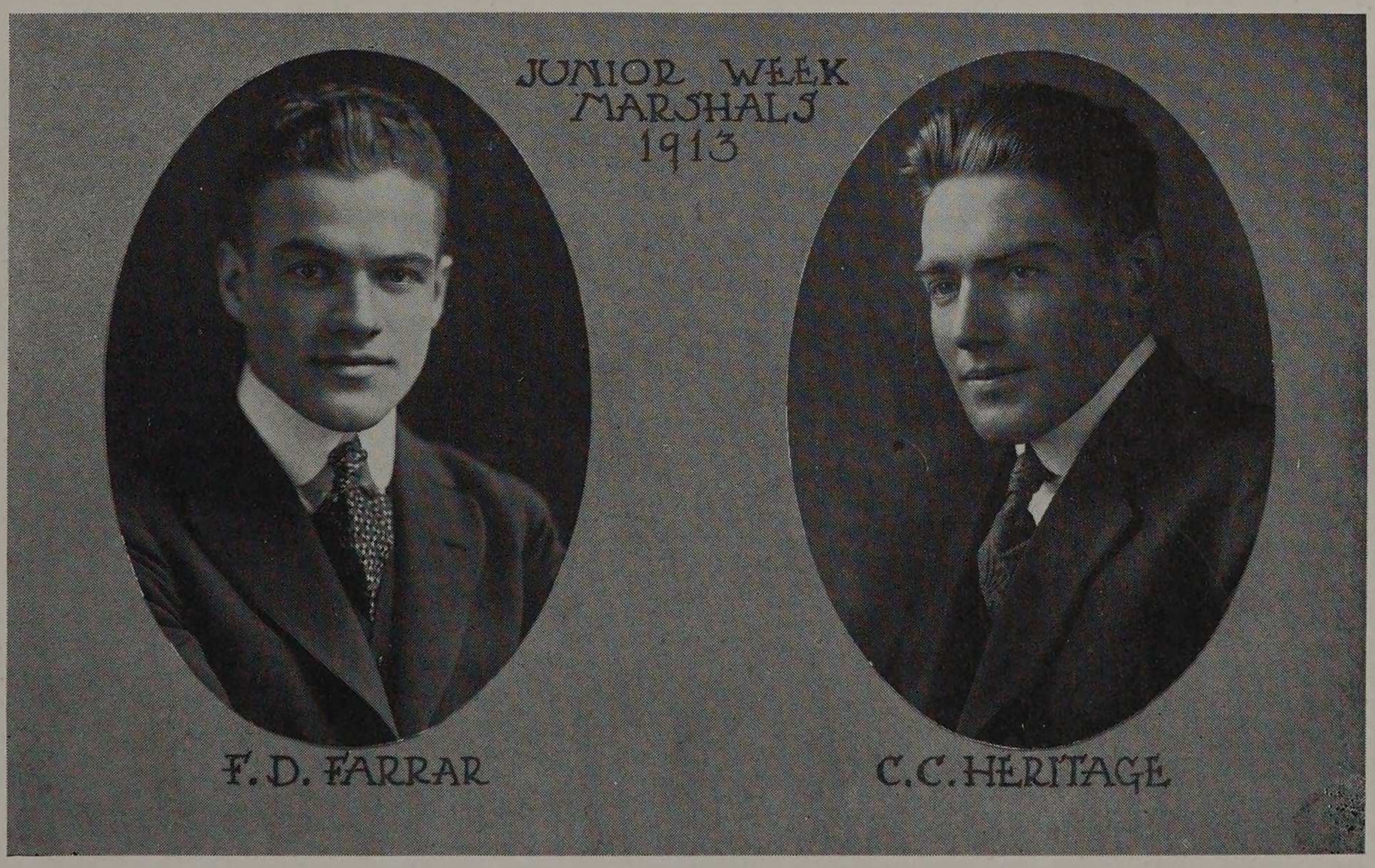
JUNIOR WEEK

Junior Week Marshals

1st Marshal	Fred C. Farrar
2nd Marshal (In charge of Junior Play) .	Clark C. Heritage

Junior Week Program

Monday, May 5, Baseball	Alumni vs. Tech.
Tuesday, May 6, Junior Play	"Looking for Mary Jane."
Wednesday, May 7, Track Meet	Armour vs. Lake Forest
Thursday, May 8, 1914 Cycle Issued .	Tech. Circus. Senior-Faculty game
Friday, May 9, Banquets	All classes
Saturday, May 10, Dance	Junior Prom.



The 8th annual Junior week, May 5-10, 1913 was one to which that illustrious class of '14 as well as the rest of the college may well look back to and echo with one voice, just '14's style. Starting with the Alumni-Varsity game, our evening with the Junior Prom at the Colonial, the Mardi Gras spirit never flagged.

On the afternoon of May 5, the "old boys" staged their plays against a younger generation and to the spectators at least, the old guards played in true varsity form. The hit of the game was the Trinkaus trio, what with Trinkaus '08, pitching for the alumni, Trinkaus '15, fielding for Tech. and Trinkaus, Sr. arbitrating behind the bat it was a lively scene.

Tuesday the 6th was reserved for "Looking for Mary Jane." And right here we must stop and tell you, kind reader, that making up the searching party to look for the lost one was a difficult task, and to none should be given greater credit than to the players, the author, the management, and those who came to the Mission with their own "Janes" to search for an hour or two, and be recorded with the finding of that illustrious maid. (This does not leave anybody without thanks and so we may all be satisfied.)

The cast of the illustrious company was as follows:

Gordon Barber, Art Moeller, C. E. H. Wolfley	Globe Trotters
Joe Wright	Landlady's daughter
F. N. Compton	Mary Jane
H. C. Nertney	A Maid
F. W. Hook	An Opera Singer
Louis Hirsh	An Impressario
Wallace Steininger	A Chinaman
Joseph Zavertnick	A Detective

And what a cast this was, but to get down to our story, as a dramatic critic would remark. But the story is well known to all, needless to remark, and though it might bear repetition we won't repeat it as we are liable to spoil it. My Goodness, Agnes, did you ever see such a "Jane" as one Mary Jane, alias Compton, with a



The Band

neat figure, trim waist, beautiful complexion, and voice to make one go wild, no wonder Moeller, Wolfley and Barber were after her, although they didn't "want to do it," before they saw her. The three gentlemen above named were typical college men (and why shouldn't they have been) and their acting was very good. Then there was Nertney, the original Thompson's or Weeghman's fry one, sunny side up, maid with her wigging mouth full of gum, her flirt of the feet and twist of the waist, one would have really thought to look at her that she was a real lady instead of an Armour architect. And talk about your "doll" of a land-lady's daughter, Joe Wright takes the cake. Frank Hook or rather Mrs. Hook with his "Oh, what will Gastave do," Louie Hirsh as a typical Russian Impressario, Walter Steininger with his Chinaman and Joe Zavertnick and Sexsmith as detectives, all helped to clap the climax, when Mary Jane was found.

And oh what a crowd there was in the Mission to see that artful young lady (?) found, and what applause when the Chinaman's nose bled real blood, and again what a multitudinous den of laughter, sighing, oh what's the use, we could go on for eons and eons and then the praises of that cast would not have been fully sung. Suffice it to say that '14's Junior Play not only was a money making one as well as a fun-making one, but there was shown real talent. (Believe those who saw it.)

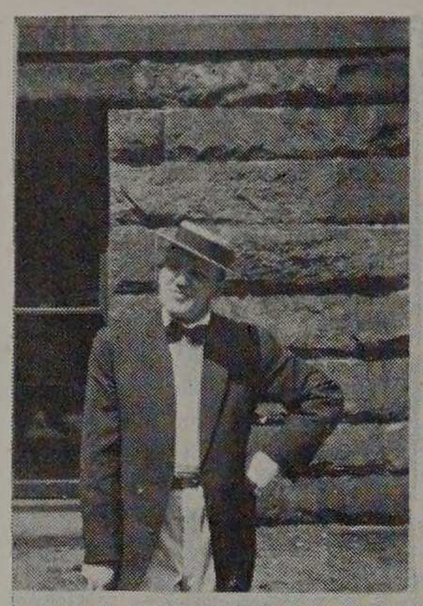
On Wednesday, May 7th, a dual track meet between A. I. T. and Lake Forest was staged on Ogden Field. Here again a great crowd was out to witness the affair. Lake Forest, or rather the Dunsmore family, were able to hang it on Armour, but they did not do it up as bad as they thought they were going to. "Long John's team certainly looked good to the holiday crowd that was out.

With Banners aglaring
And Music ablaring.

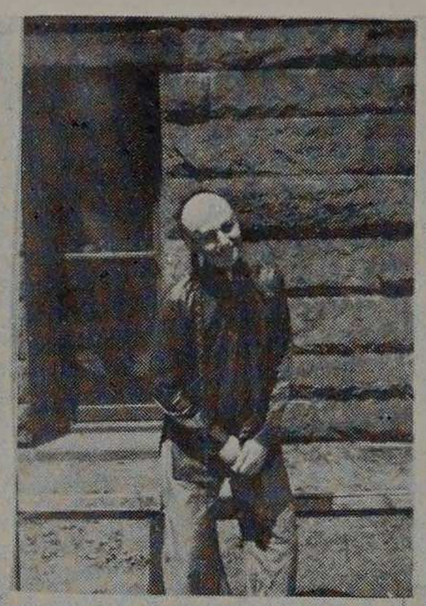
Thus the fourth day of '14's Junior week was opened. Thursday, May 8th, may be safely put down as the "ne plus ultra" day. On that day one great affair was initiated, another was revived and the other one continued. We have reference, of course, to the Circus Day tradition that was inaugurated by the Rooters' Board, to the Cycle, which was like "a phoenix risen from its own ashes," brought back, and then that marvel of marvels or rather that fun-maker, the Senior-Faculty baseball game. Who of us would dare to say which was the greatest, least of all ye Ed, therefore we will give them in order of occurrence.



The Trial



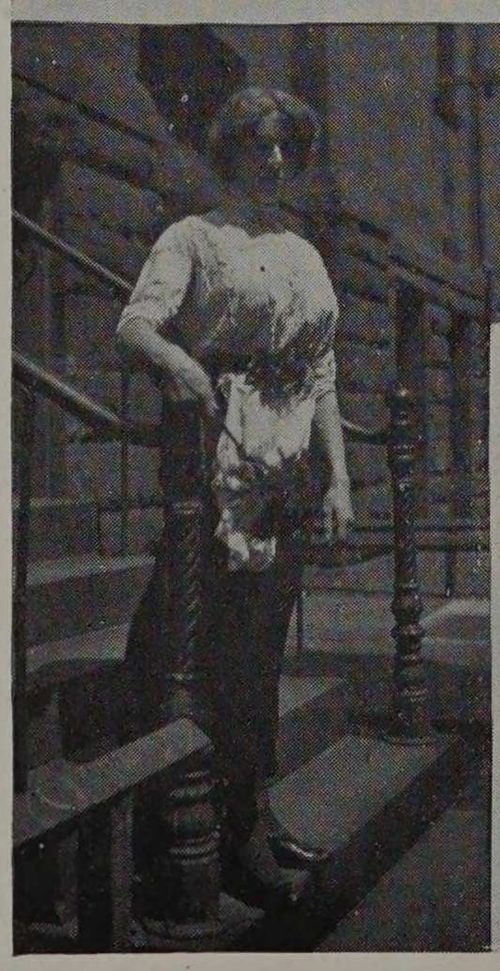






JUNIOR CLASS PLAY





"LOOKING FOR MARY JANE"
TUESDAY, MAY 6th, 1913.





As early as 11:30 the crowd was out buying the revived year book, the 1913 Cycle. Large tents belonging to the Civil department were erected and the crowd pushed and pulled to get inside to buy it. On the inside the Cycle board was busy distributing their books and some advertising concern was distributing toilet articles gratis to every buyer of a book. The field looked like the good old times, with the fellows seated around in circles, each one reading his year book or looking for his picture.

The Circus was scheduled for 1:30 p. m., but as early as one o'clock the fun began. The board had caused to be printed advertising cards on one side of which a description of the burning of "Math" was depicted poetically. At 1:15 the nigger baby stand was finished, each doll representing some Prof. with the name attached, and what a rush there was by the fellows to "glom" on the balls and fire at their favorite (?) Profs. The balls sold for 3 for 5 and each time a nigger baby was knocked down a cigar was given.

"Long John" Schommer seemed to be very popular, or rather might we say unpopular, in a short time, for he was offering cigars to everybody who would take one. But it was left to the Profs to knock out some of their colleagues. Prof. Paul, being a very good shot, almost broke himself in two as he continually shot at his effigy. What a wailing and gnashing of teeth there must have been from the Profs who stood around the stand watching the fellows take out their spite, and what a turning of stomachs and dizziness of heads there must have been for the fellows who smoked the cigars.

While this was going on, another great feature occurred. "The Escape of the Convicts," staged by the Sophomore Chemicals. The "Beanery" had been labeled "Band House," which was very appropriate for two reasons, one because of the escape of the Convicts, and the other because the Armour Rooters Band leaned against it most of the time it was playing. As it was, in the midst of the excitement, shots rang out from Johnny Schommer's starting gun, and when the multitude turned to see the cause of this excitement, it was discovered that a bunch of convicts, in regulation uniform, were sliding down a rope from the roof of the "Beanery." Shot after shot rang out, but still they fled, until they reached the "haven of peace," the other side of Ogden Field.

Now occurred the justly famed parade. All the players of the day marched around, D. B. Lesser, '14, leading the Parade, with a large sign, "Tech Circus," Agazim following with the sign "To hell with Math." The Band followed this ominous omen, and then came the others, the "Electrical Man," by Broyles, the Judge, Prosecutor, Math, etc., not leaving out the convicts who circled the field in lock step.

A few minutes ensued, and then, while the Band kept playing, the trial of Math was gotten in readiness. The play was staged on the west side of the field near the grand stand, and the crowd literally thronged the grand stand. The setting was a court scene, with its jury box, judge's table, reporter's stand, etc.

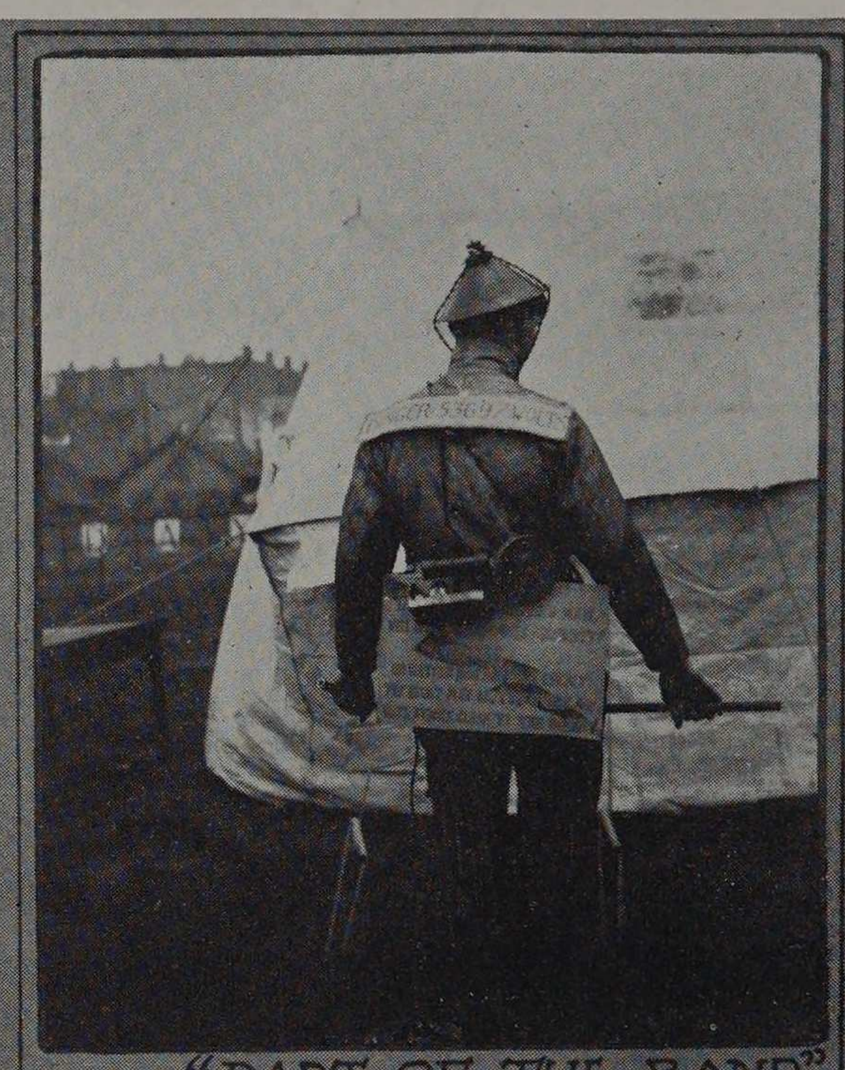
The cast was as follows:

Trial of Math.

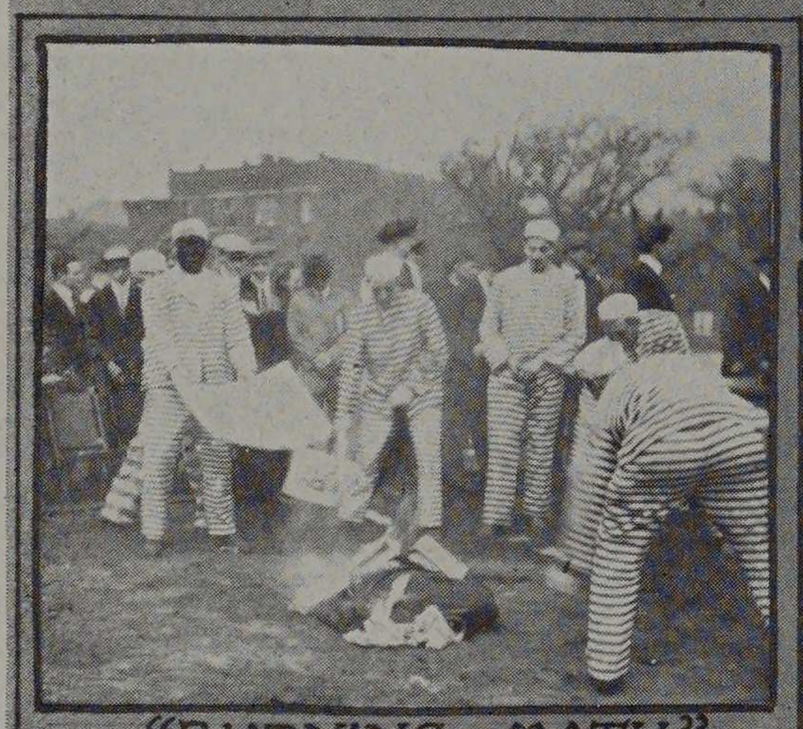
Authors	H. Perlstein, '14, D. B. Lesser, '14
Judge	E. R. Burley
Prosecuting Attorney	Harris Perlstein
Junior Class	W. Steininger
Bailiff	D. B. Lesser
Math	J. Shakman
Jury (Convicts)	Sophomore Chemicals
Court Stenographers	Simmons, Cunliffe



THE CIRCUS DAY BAND



"PART OF THE BAND"

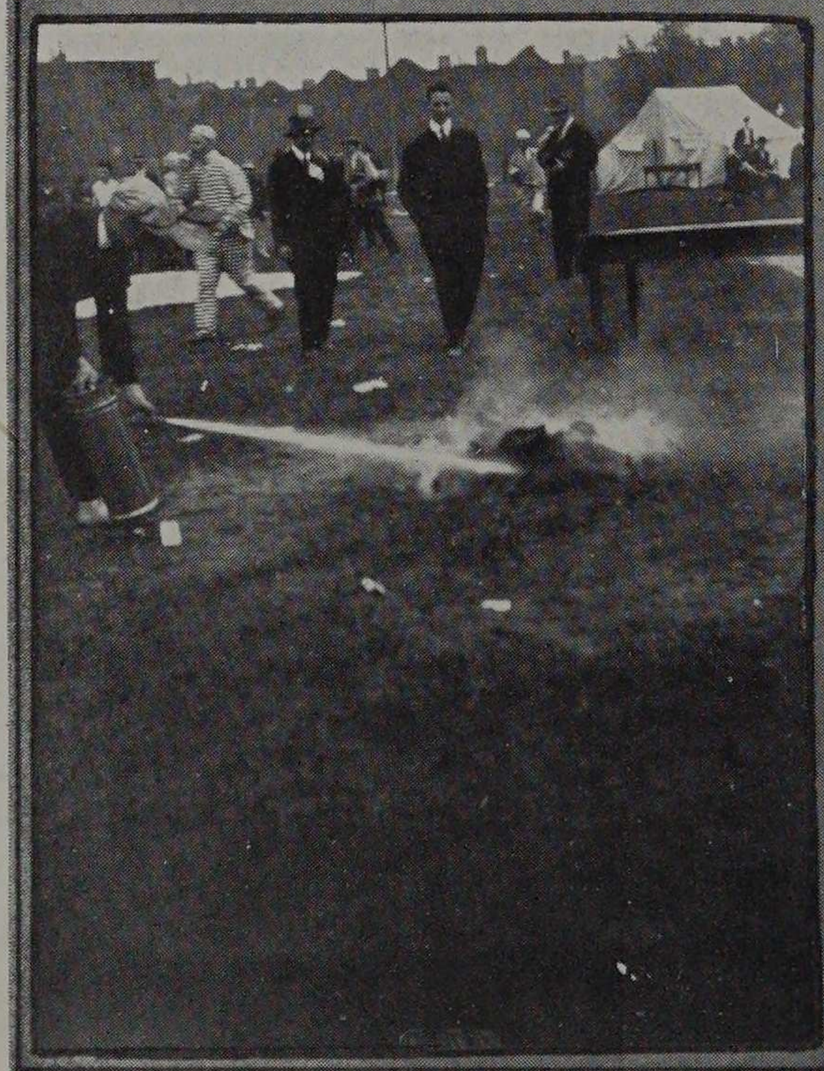


"BURNING MATH"



"CONVICTED BY MATH"

FIRE PROTECTIONS AT WORK



"TO HELL WITH MATH"



A silence, then a clamor, and then in marched the crew; the judge, sedate and portly in his cap and gown, the highly indignant attorney, ready to hang the prisoner, the bailiff with his tin star and (dangerous) weapon of the type of B. C. 64, the Junior Class, bending under his burden, the Jury of Convicts, etc.

The Judge solemnly swore in the Jury, and the Prosecuting Attorney told the story concisely, then called the plaintiff who, old, decrepit and ready to fall from exhaustion, told how he had been dragged into the classes of Palmer Leigh, Pell and that arch-demon Campbell. He had not yet rid himself of Campbell, for he carried on his back a great book labeled "Campbell's Soup," under which strain he almost tottered. With tears he depicted his wrongs, the meanwhile the unseen Math was chuckling with a grim smile. When the Prosecutor pointed out Math to the Junior Class, the latter, overwhelmed, standing on his last legs, created a commotion in court by throwing a fit, and it was a hard struggle for the bailiff and others to bring him to. The Prosecutor then rested his case, and Math started out to cross-examine the plaintiff. Arrogantly he began to question the poor unfortunate, and to cap the climax, he asked the Junior Class what the cosine of 975°, 15′28″ was, and even when he was reprimanded for using profanity, he persisted, and when the poor Junior Class stated "that was not in the lesson" he raised a high "ha! ha! he! he!" He closed by saying that all students at A. I. T. were idiots, "except of course, the Jury," but it was seen that even with the compliment, the Jury had decided his case. The Prosecutor then resumed the plea, and with a heart-rending, tear-bringing speech, demanded that the defendant by judged guilty of murder in the first degree.

The Judge, portly, proud, and with august mien, charged the Jury to bring a verdict of guilty. The Jury then looked at one another, nodded to the foreman, who then handed the Judge the sign "guilty." Then and there the multitude went wild with joy, they threw arms around each other and wept happy tears. The Judge declared that Math must be burned at the stake, which he was, and what a great burning there was and what a happy spirit there was in the crowd and with what a happy mien the Junior Class dropped his math and joyously poured the kerosene on the prostrate body of the guilty one.

A relay race was run between the Radics and the Convicts, which the Radics won. Then the interdepartment relay race was run, with the Civils "copping" the first place and the banner. The Radics again tried to become millionaires by staging Zubelda, "the great and only one" for a dime, and the Profs and their wives said it certainly was a fine show.

Wrestling and fencing matches then took the floor, and the great Frenchman, the renowned fencer Fitterman, now Mol Devaneau, was beaten by Miranda. The red hots and sandwiches sold to a great extent, the fellows buying them for their "Janes."

Now the tents were taken down, the field court removed, and the Senior-Faculty game was staged, and what a game! Oh, fellows, the Profs skinned the wild Seniors by the trifling score of 17 to 13. (Read about it in the sporting sheet.)

On Friday night, the classes held their banquets, and these were notable affairs from all standpoints. Dean Raymond, the guest of honor of the Junior Banquet, made a great speech, in which he exhorted the Junior Class of '14 to keep up their good work of previous years and hold to the Honor system.

The Junior Prom was the best dance of the year; it was held on Saturday, May 10, at the Colonial Club. This was a financial as well as a social success, and a good time was had by all.

Taking it all in all, '14's Junior week was a memorable one, success was written over the "face of the week," with blazing letters '14 feet high. Much credit must be given to the Rooters Association whose efforts helped to make the week a success.

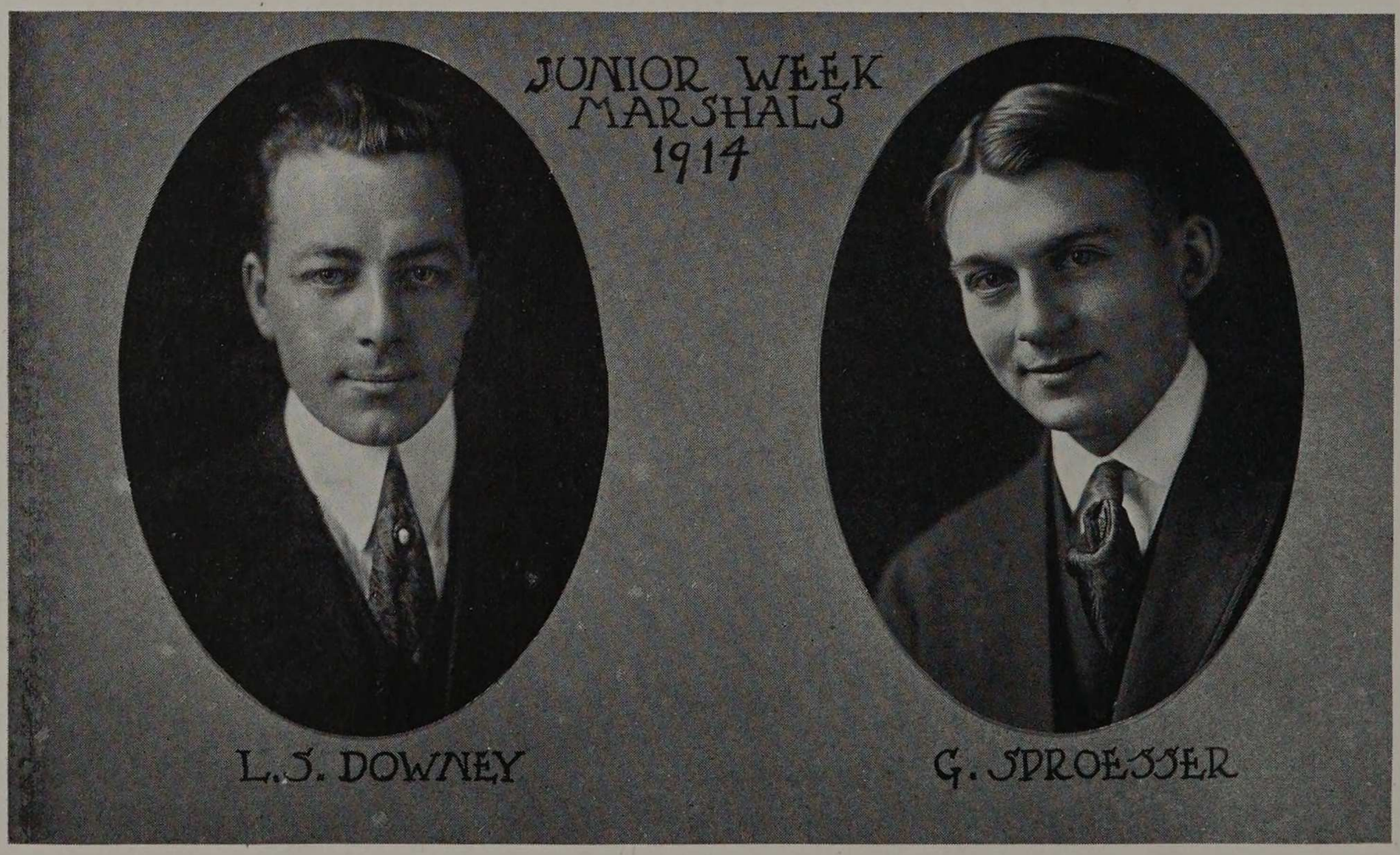


Marshals of Junior Week

L. S. Downey . . . . First Marshal
George Sproesser . . . Second Marshal

Program Junior Week

Tuesday, May 5, Junior Class Play, "The Fascinating Fanny Brown"
Wednesday, May 6, Baseball—Northwestern Univ. vs. Armour
Thursday, May 7 . . Senior-Faculty Baseball Game
Friday, May 8 . . . . . Circus Day
Saturday, May 9 . . . . . Class Banquets



Home Concert

The Home Concert of the Glee and Mandolin Club was held in the Mission on Friday evening, March the thirteenth. The Concert was without a doubt the best concert the Glee and Mandolin Clubs have ever given at Armour, and everybody that was not present certainly missed an exceptional treat. Due to a sudden illness, it was not possible for Mr. Evan Williams to be present. The numbers that were to be sung by Mr. Williams were filled by the Central Church Choir, Mr. Prothero and his daughter. This substitution was made possible through the efforts of Dr. Gunsaulus, who deserves a hearty vote of thanks for the keen interest shown.

We should have greatly appreciated Mr. Evan Williams, and regret that he was unable to be with us, but we must take off our hats to Dr. Gunsaulus with the Central Church Choir, Mr. Prothero and his daughter. Their music was enthusiastically received.

The opening number on the program was given by the Glee Club. It was quite evident from the applause that the Club had made a decided hit. The work of the Mandolin Club was excellent, and the audience showed its appreciation by its hearty response. The new Armour song, written by S. W. Anderson '15, was well received and due credit must be given to its author. The success of the Glee Club is mostly due to the constant work of Mr. W. G. Smith who has been untiring in his efforts to bring the Glee Club up to its present high standard. The Glee and Mandolin Clubs have been efficiently managed by Mr. John Jucker, Jr.

Two of the selections by the Mandolin Club deserve special mention: "Timbuctoo" and selections from "Il Trovatore." Both clubs appeared in the feature numbers "Dream Days" and "Swing Along."

One of the main attractions of the evening was a dance by Mr. and Mrs. Castle. The dance was a take off on the tango by Mr. Lauletta and "escort." The possibilities of the dance were unfolded at a mile a minute rate which showed considerable dexterity on the part of the dancers. The feats accomplished were indeed remarkable and at times it was difficult to distinguish one from the other in the mad whirl.

The crowd that assembled nearly filled the Mission. The alumni responded in large numbers as did the parents of the students. It was indeed gratifying to see the interest shown by so many of the alumni and the parents of the students, which only goes to show that there is a far wider interest in the school and its doings than we sometimes think. The way to keep up this interest is to have a Home-Coming that will bring out this true Armour spirit.

ATELIER PLAY

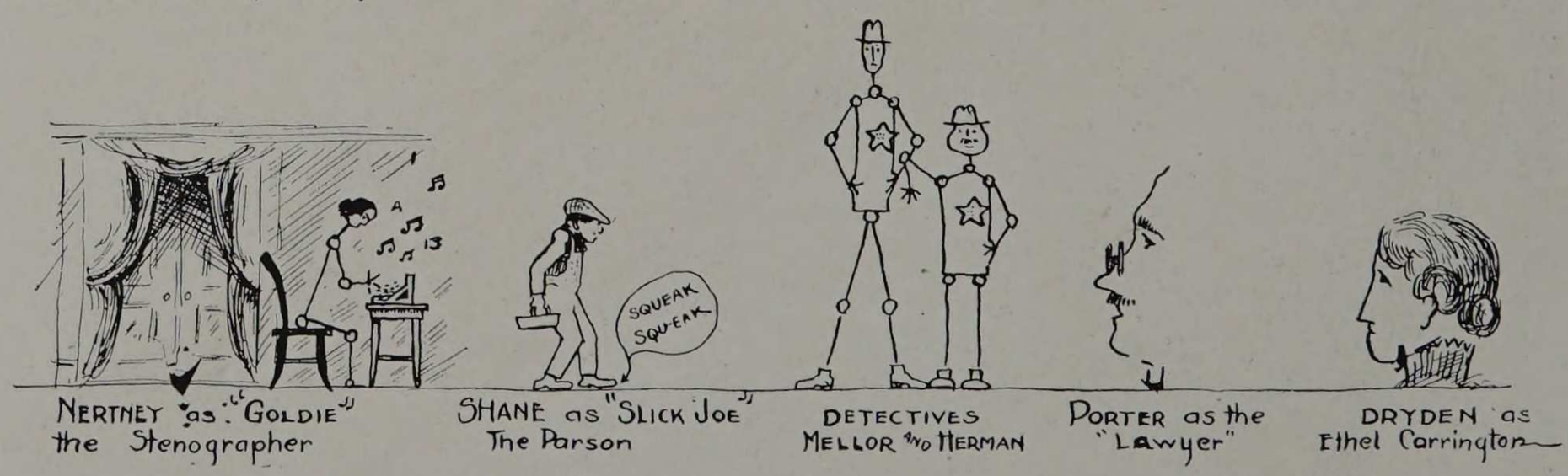


The Atelier Play

Owing to the glorious success of the Junior Play of last year, in which practically all of the leading parts were taken by architects, the Atelier decided to give a play of its own. Wolfley offered to act as manager, and his offer was readily accepted. He accordingly started looking up a good show and finally decided on "Friday, the Thirteenth," which was written especially for us by Miss Helen F. Bagg. Rehearsals were started early in December and from a large number of candidates, the cast as given below was finally picked. The play was given on Wednesday, February 4th, in Fullerton Hall, Art Institute. There were two performances, one at 4:15 P. M. and one at 8:15 P. M. The leading part, that of the temperamental author-prof., was admirably taken by Gordon Barber. Chester Wolfley, as Jack Foster, was a regular scream, and for the fellows who took girls' parts, well, nothing like that had ever been seen in the Art Institute before and the crowd went wild. The play was a great success from nearly every standpoint, and everyone who took part in it has just reasons for feeling proud. Many very complimentary things have been said of the play, but the letter written us by Secretary Carpenter of the Art Institute, is especially gratifying, as the Art Students give several plays each year and he pronounced ours as being the best one ever given in the building.

THE CHARACTERS

Prof. Max Carrington . Gordon Barber
Miss Laura Plum, his aunt, Arthur Woerner
Ethel Carrington, his sister . Allen Dryden
Marjorie Miller, his cousin . Joseph Wright
Goldie McGuire, his stenographer . . . . . Harold Nertney
Jack Foster, a young newspaper man . . . . . Chester Wolfley
Everett Payne, a lawyer . Clifford Porter
Rev. Benjamin Morris . Fred Farrar
Slick Joe "The Parson," a crook James Shane
Biggs, the Butler . . Arthur Eliel
Tom, Dick, Harry — Freshmen, rushers of Ethel: Leo Hirshfield, Maurice Rissman, Roscoe Zook
Detective O'Grady . Loyd Mellor
Detective Kelly . . B. J. Herman



Nertney as "Goldie" the Stenographer
Shane as "Slick Joe" The Parson
Detectives Mellor and Herman
Porter as the "Lawyer"
Dryden as Ethel Carrington

Sketches from "Friday the Thirteenth" by E.W. Mann



THE CAST

FRIDAY THE THIRTEENTH

BY ARMOUR

THE ATELIER





MAX AND MARJORIE

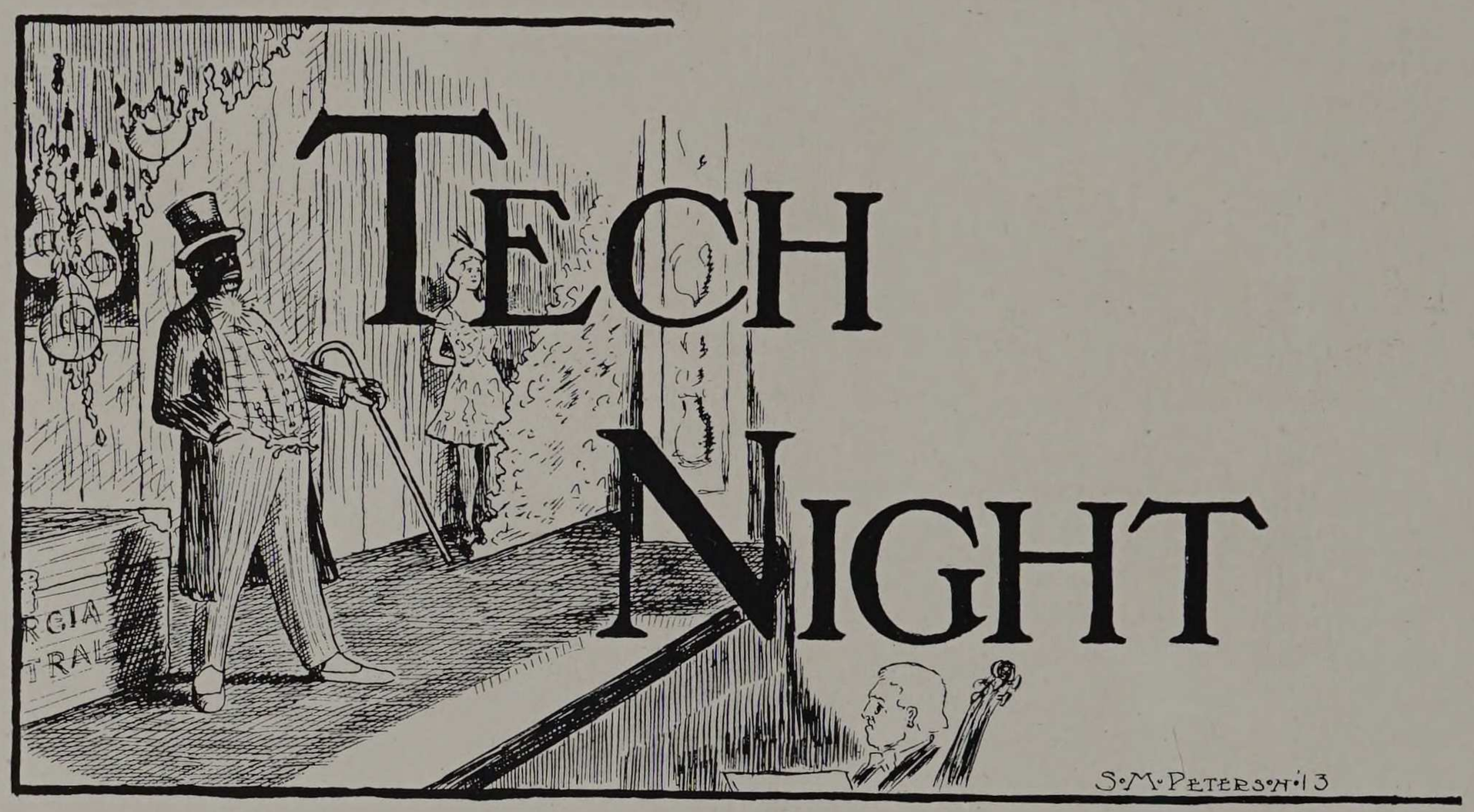


GOLDIE

MARJORIE AND JACK



C.E. Worsley



The annual theater party, held by the Rooter's Association, occurred on Friday night, December the 12th. A large reservation was made, by the Rooter's board, at the American Music Hall. The play for that evening was, "The Ham Tree," in which the famous comedians, MacIntyre and Heath, played the principal parts. It was very easy to be seen that the central section of the main floor was alive and awake so as to catch all that came their way. This was especially shown when Heath made a shot at the Civil Engineers in reference to "being good doughnut shovelers."

A great many of the students are thinking of taking a course in agriculture so that they may grow ham and egg trees. The egg tree idea appealed more to the freshmen. The freshmen seemed to devote most of their time and energy to clapping at inopportune times. The question remains as to whether they were trying to queer the show or just didn't know any better. Any way they wound up the performance with nine rahs for the chorus. The crowd then adjourned to the Mandarin Inn and "partook of a slight repast."



The Freshman Smoker

After the usual preliminary stirring, the crowd settled down to have a ton of powder exploded in its face, which made everybody look bug-eyed for a while. It is very probable that the camera could not stand the strain, as the picture did not turn out very well. As one looked over the crowd it resembled a sunflower patch, due to the brilliant "orange peel" hats of the students. There was considerable question for awhile as to whether the show was going to be held on the stage or across the street in the third story of one of the flat buildings. After the lights went out across the street, the attention of the crowd returned to the stage where "Gus" Heritage was vainly trying to make several announcements. He pleaded with the mob to keep the bill for damages as low as possible.

The new Armour yells invented by Perlstein, Lesser and Heritage were then rehearsed and were taken up enthusiastically by all of the students. The World's Greatest Smith and W. G. Glee Club was the first real number on the program. The song "Dancing at the Flower Garden Ball," was sung and illustrated by some classy "tawngo dawncing."

The next number was the Bell Brothers, otherwise acrobats, who recklessly threw themselves about in time with the stamping of the freshmen's feet. They were followed by the Ted Snyder Trio, who "kitzled" us with some new ones and left altogether too early to suit us.

Just about this time, Prexy walked in with the incomparable Prothero, with "Philadelphia" up his sleeve. Then came Mrs. Prothero, Mrs. Hodge and Mrs. Moses Brand. Mr. Brand sang us several songs which certainly made a hit. Our old friend Prothero was made to sing "Philly" and the "Old Black Mare."

The next number on the program was Mr. Stevens, a "Professor of Legerdemain," who entertained us a while before we departed for the serious scene of the night. In solemn (?) but orderly file a long column of yellow and black hats wended

its way south to 60th street. All along the way people rushed to their windows and doors to find out what the riot was about. Everything that was not cemented into the sidewalk seemed to take legs and mysteriously walk off.

The crew finally assembled on the Midway in the depression opposite the Harper Memorial Library. The Freshmen and Sophomores then removed their coats, hats, etc. in preparation for the battle. The '15 flag was placed in the middle of the field and two lines made one hundred paces on the east and west side of the flag. The sophomores arrayed themselves behind the West line and the freshmen behind the East line. At a given signal the two armies rushed for the flag. The scene that followed cannot be described, but looked like a big pile of seething, writhing and clawing humanity. The flag was finally pushed down to the west end of the field, which gave the victory to the freshmen. This was probably due to the fact that the Freshman out numbered the Sophs two to one.

The battlefield after the fray was littered with shirt tails, collars and neckties. Several lost and found departments were soon established and everybody was able to get some kind of a hat. About that time a "paddy" wagon full of cops appeared and escorted the crowd to the street cars. The students finally arrived at the Mandarin Inn, where they cemented their friendship in yelling the old and new yells with weary but undaunted lungs.

→ SOME PRESS CLIPPINGS ←

300 STUDENTS IN CLASS RUSH RIOT START CAR PANIC

Armour Freshmen and Sophomores Elude Police and Hold Revel on Midway.

Three hundred freshmen and sophomore students of the Armour Institute of Technology last night smashed windows in crowded street cars, throwing passengers into a panic, stopped other cars and pulled the trolley pole down and raised havoc in general in a triumphant midnight march from Thirty-ninth street and Cottage Grove avenue to the University of Chicago campus.

In all it was a triumphant night—for the students. The occasion was the annual class rush, which the freshmen won because of their number, with the sacrifice of numerous twisted ankles and minor bruises.

A far different story would have been written had the students carried out their intention of holding the class rush on Ogden Field, at Thirty-third street and Armour avenue. This is where Dr. Frank Gunsaulus, president of the institute, was told it was going to be held shortly before he left the students' smoker in the Oakdale Music Hall at 3975 Cottage Grove avenue.

Dr. Gunsaulus had five patrol wagons and fifty policemen waiting at the field. But the students decided differently. They marched down Cottage Grove avenue to Fifty-seventh street, breaking street car windows and pulling down trolleys en route, then turned east to Jackson avenue, then south to the Midway and then east to University avenue. After leaving Cottage Grove avenue they pulled up small trees and tipped over everything movable, at the same time arousing residents with class yells.

FROM CHICAGO PAPERS THE MORNING AFTER

"TECH" FRESHMEN WIN BATTLE

Annual Class Fight of Armour Institute Held Last Night.

With 180 "freshmen" of the Armour Institute of Technology meeting almost as many "sophomores" of the same institution in bloody if not mortal combat on the Midway last night, residents of that neighborhood were certain that a riot was in progress and sent a hurry call for the police. A wagon load of policemen with an ambulance surgeon accompanying them answered the call. They found it was merely a "class scrap" which was disturbing the sleep of the neighbors.

The "scrap," which is an annual occurrence, was preceded by a smoker in Oakland Hall at East Fortieth street and Cottage Grove avenue. Following this the "combatants" marched down Cottage Grove avenue to the "battle ground."

The "freshmen" were victors in the "scrap," and as one of them expressed it, "a pleasant time was had."

Freshman Handshake

On Friday evening, Sept. 12, 1913 the students assembled in the Tech Dining Hall for the annual Freshman Handshake, given by the Armour Institute branch of the Y. M. C. A. The purpose of the Handshake, which comes at the very beginning of the fall term, is to acquaint the new-comer with his surroundings and also to promote a brotherly spirit between him and the upper classmen.

The gathering was first favored with a few selections of vocal talent rendered by Mr. W. G. Smith. By popular demand Mr. Smith sang "Professor Max Dinger, the Baritone Singer," this being followed by the usual deafening clamor.

Mr. Harry Perlstein '14 was then called upon to explain the meaning of A. R. A. which stands for Armour Rooters' Association. Not only was the object of the organization brought out, but also a statement of what the A.R.A. had done during its first year on earth toward promoting school spirit.

The entertainment committee was fortunate in securing the remnants of last year's Glee Club, who, without any rehearsals since the previous season, rendered some of their former song hits, among them being the W. G. S. Armour Alma Mater song. The Club did remarkably well, in spite of their long separation.

Professor McMullen gave his annual talk on the why and wherefor of Tau Beta Pi, Armour's honorary fraternity. It is essential that this talk should be presented at the Handshake, for the lower classmen should know of such matters at the beginning of their course.

The object of the Y. M. C. A. at Armour was brought forth by Professor Wilcox, Chairman of the Advisory Committee. The fundamental object as was stated, is to promote general good fellowship between the students. Professor Wilcox has given much thought and effort toward improving the conditions of the Association and the present standing of the organization should be credited largely to him.

President Gunsaulus came steaming up in his "four cylinder" with two rare treats. We had somewhat expected Mr. Prothero (alias "Philadelphia") who, as usual took the house by storm, but the real surprise of the evening was the presence of Mrs. Hodge of the Central Church Quartet, who sang a song of "A Mother at Home" with such beauty that more than one freshman would have resorted to his "hanky," had not the sophomores been present.

By this time the soup was getting cold, so the congregation turned their attention to the principal business of the evening, which consisted of the usual bill of fare. The Handshake, as a whole was the best in years, and was greatly appreciated by the large crowd which attended.



DANCES

The Senior Dance

The annual Senior Dance was held Friday evening, November 21st, at the Colonial Club. The members of the social committee of the Senior Class distinguished themselves by the excellent manner in which the affair was conducted and for the programs which were decidedly unique and original. Several of the students were under the impression that it would be impossible to bring out an original program. The social committee, however, put one over in this respect.

In view of the fact that there is considerable agitation on the part of the present administration in regard to the tango, it has been suggested that there be a censorship committee appointed. The person that seems to be most suitably fitted for the chairmanship of such a committee is our revered fellow student, Trinkaus. The valuable advice of Lauletta and Grossman would be greatly appreciated, as the latter is an absolute authority on the tango. The recent dance also developed the fact that we have a few Venus dancers in our midst who made us sit up and take notice. A few of our young hopefuls in the Freshman Class also made a remarkable showing at this early stage of the game.

The success of the dance was due to the efforts of the following men: F. L. Brewer, J. M. Emslie, W. H. Hallstein, Frank Hook and H. D. Gumpper.

The Junior Dance

The Junior Class started out this year with the idea in view of making every event a big success, and so far they have certainly achieved their object. The annual dance, held at the Colonial Club gave them a flying start. This dance had the best record for attendance of any of the dances held so far this year. The attendance exceeded the expectations of the social committee, with a result that the supply of programs ran short early in the evening. The increase over the Senior dance is probably due to the fact that the students have learned the new dances better and are not so backward in making a public appearance.

The music was rendered by Anderson's orchestra. The social committee consisted of: H. E. Anning, W. H. Rietz, S. W. Anderson, L. D. Hook and H. P. Sherwood.

Sophomore Dance

The annual Sophomore dance was held at the Colonial Club on Friday evening, March the 27th. The dance was a great success, and everybody spent a very enjoyable evening. Cohn and Fuick's orchestra played with a lot of snap and life, and the music was enthusiastically received by the dancers. The old idea of giving out expensive programs has been done away with as the less expensive program serves the purpose just as well and does not add additional expense to the cost of the dance. This greatly reduces the financial burden placed upon the various classes. The social committee consists of the following students: A. S. Alter, A. Katzinger, J. C. Dolan, C. L. Bolte, E. R. Eames.

Freshman Dance

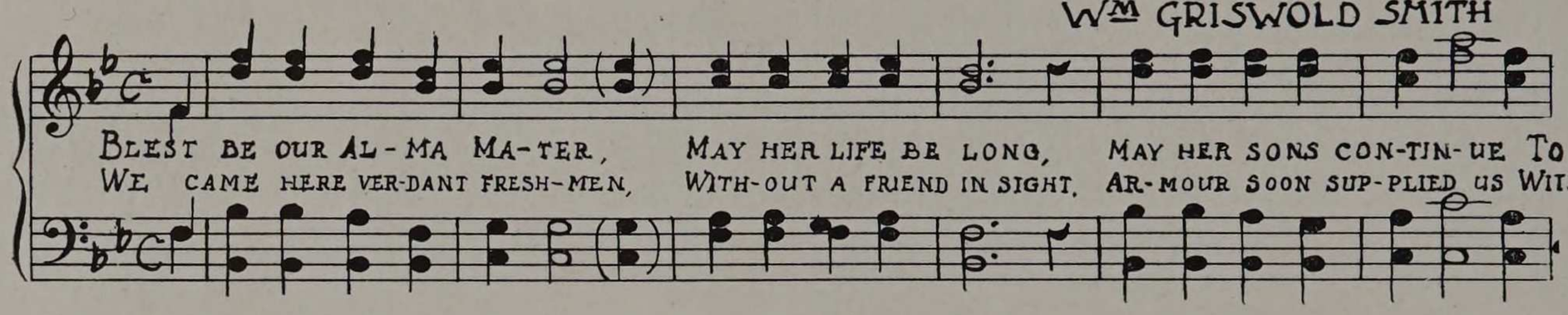
The Freshman dance is always one of the events which is awaited with much interest, chiefly because everyone is wondering how the class is going to handle its first social undertaking. This Freshman dance was billed to be about the best affair of its kind given in recent years. Without exaggeration it may be said that this prediction was fulfilled in every way. The dance was held on Friday evening, April 4th, at the Colonial Club. The music which was furnished by Gorman's Orchestra, was beyond criticism. The success of the affair was due to the following men of the Freshman social committee: Lamb, chairman; McGrath, Wollaston, Mattern, Stuebing.

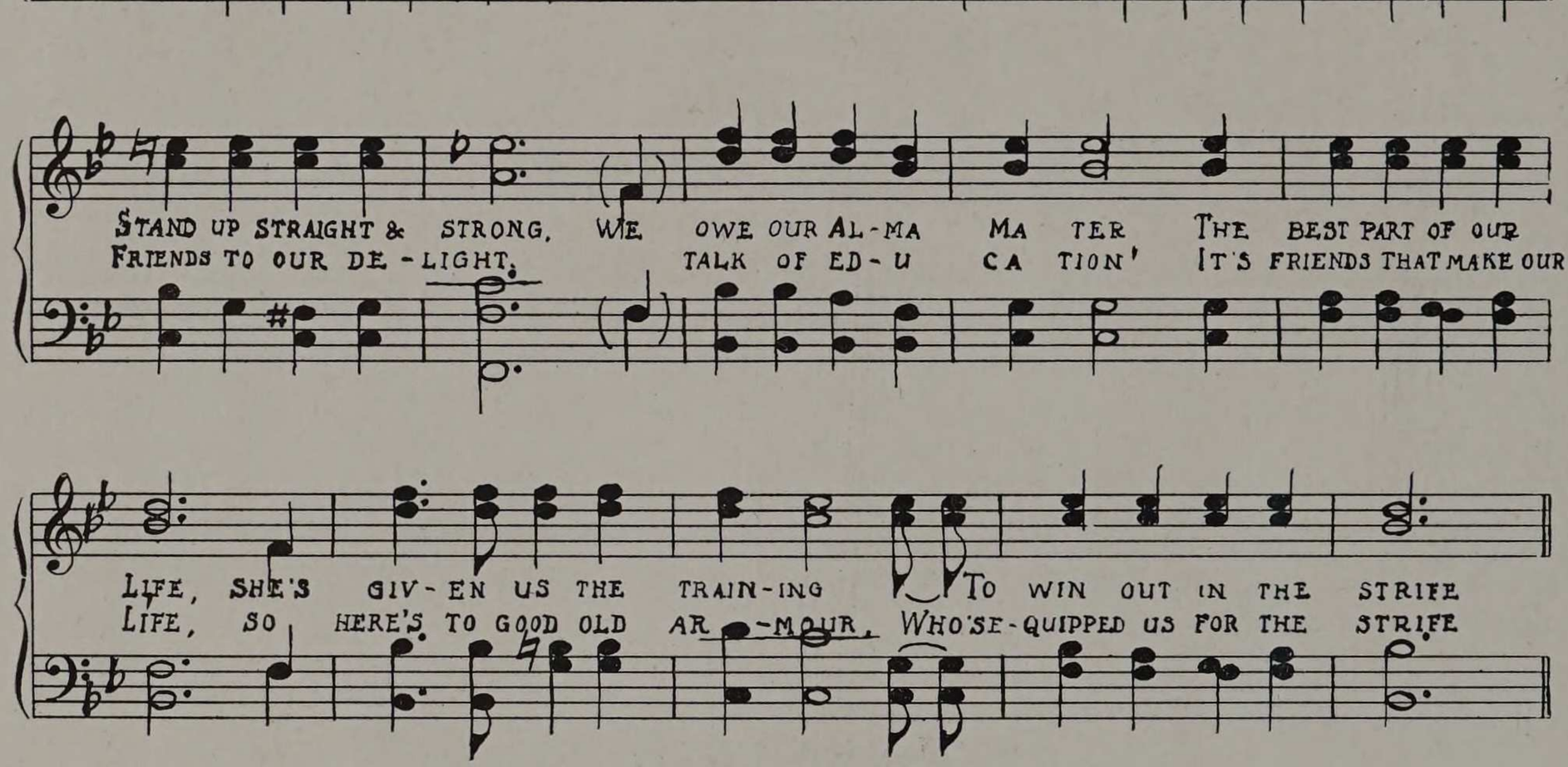
Hallowe'en Hop

Soft strains of "Tres Moustarde" entice us onward. We wander forward with the crowd. Masterpieces of sculptural art cause us to pause and gaze with admiration. We come out onto the balcony—there is color everywhere. In the glimmering twilight happy couples tango here and there. Joyfully we enter into the spirit of things. We receive a beautiful creation, an entirely new departure in the way of programs. And so in the Blackstone Hall, amidst the international architecture, the first dance of the year was given by the Architects. The dances given by the Architects are always well attended, especially the informals given in Blackstone Hall, which is particularly appropriate for the dances.

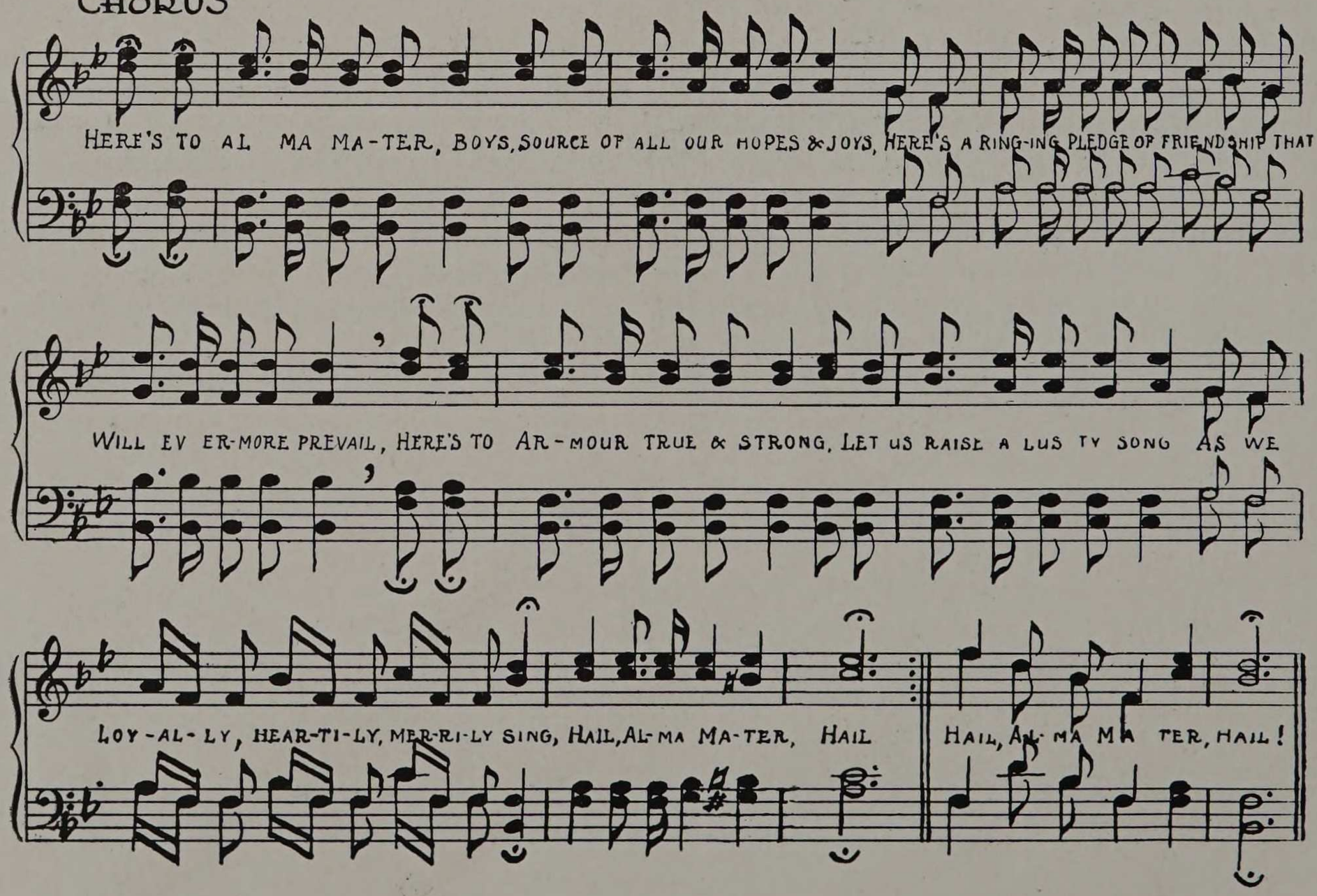
ALMA MATER

Wm GRISWOLD SMITH



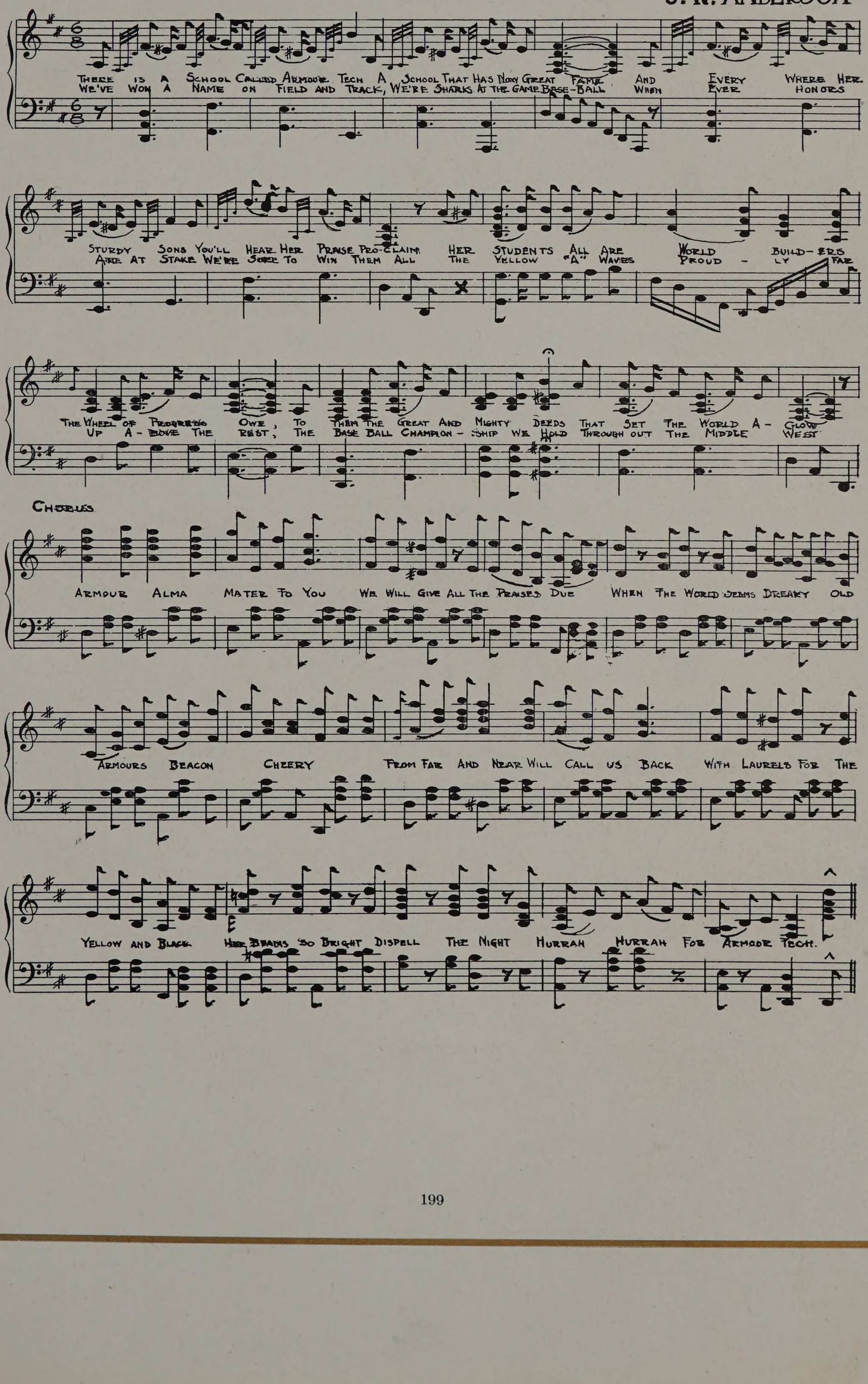


CHORUS



OUR ALMA MATER

S. W. ANDERSON



Arch! Mech! Civ! Elec!
Rah! Rah! Armour Tech!
Arch! Mech! Civ! Elec!
Rah! Rah! Armour Tech!

Yea! Armour! Yea! Armour!
A = r = m = o = u = r' mour Tech!
Armour Tech! Armour Tech!
Yea! Armour! Yea! Armour!
A = r = m = o = u = r' mour Tech!
Armour Tech! Armour Tech!

E = n = g = i = n = e = e = r = s === s
E = n = g = i = n = e = e = r = s === s
Engineers!
Armour Tech! Armour Tech! Armour Tech!

Social Calendar

September 8, 1913—Registration Day
10, 1913—Assembly—Address by Prof. Koch on "Hamlet."
11, 1913—Assembly—Address by Prof. Koch on "Romeo and Juliet."
Senior and Junior Boat Trip up the River.
12, 1913—Phi Kappa Sigma Smoker . . . . . House
Omega Lambda Smoker . . . . . House
Assembly—Address by Prof. Koch and Dr. Gunsaulus.
13, 1913—Delta Tau Delta Smoker . . . . . House
15, 1913—Sophomore Class Meeting.
17, 1913—Freshman Class Meeting.
18, 1913—Junior Class Meeting.
19, 1913—Sigma Kappa Delta Smoker . . . . . House
Beta Phi Banquet . . . . . Hotel La Salle
22, 1913—Senior Class Meeting.
23, 1913—Assembly—Address by Dr. Gunsaulus.
24, 1913—Mechanical Society Smoker
25, 1913—Inspection trip to the International Refrigeration Exposition.
26, 1913—Beta Phi Smoker . . . . . House
Phi Kappa Sigma Smoker . . . . . House
Delta Tau Delta Smoker . . . . . House
27, 1913—Atelier Smoker . . . . . Art Institute
29, 1913—Cycle Day.
30, 1913—Freshman Class Meeting.
October 2, 1913—Interclass Track Meet.
3, 1913—Phi Kappa Sigma Informal Dance . . . . . House
Omega Lambda Informal Dance . . . . . House
4, 1913—Delta Tau Delta Initiation.
6, 1913—Atelier Theater Party . . . . . American Music Hall
7, 1913—Tau Beta Pi Senior Smoker . . . . . Chapin Hall
11, 1913—Omega Lambda Banquet . . . . . House
14, 1913—Atelier Informal Dance.
15, 1913—Sophomore Class Meeting.
16, 1913—Mechanical Society Meeting.
18, 1913—Phi Kappa Sigma Banquet . . . . . Kuntz-Remmler
20, 1913—Freshman Class Meeting.
21, 1913—Civil Society Smoker and Initiation.
22, 1913—Electrical Society Meeting.
24, 1913—Delta Tau Delta Card Party. . . . . House
25, 1913—Sigma Kappa Delta Theater Party . . . . . Garrick
29, 1913—Chemical Society Meeting.
30, 1913—Nebraska Club Meeting.
31, 1913—Phi Kappa Sigma Informal Dance . . . . . House
Atelier Informal Dance . . . . . Art Institute
November 1, 1913—Sigma Kappa Delta House Warming . . . . . House
3, 1913—Mustache removal day at the Art Institute.
4, 1913—Civil Society Meeting.
5, 1913— Mechanical Society Meeting.
6, 1913—Senior Class Meeting.
7, 1913—Phi Kappa Sigma Smoker . . . . . House
Omega Lambda Smoker . . . . . House
Freshman Smoker . . . . . Oakland Music Hall
8, 1913—Tau Beta Pi Senior Initiation Banquet . . . . Great Northern
10, 1913—Atelier Informal . . . . . Art Institute
12, 1913—Chemical Society Meeting.
13, 1913—Sphinx Meeting.
Assembly—Mr. Kent. Bishop Cheney.
14, 1913—Sigma Kappa Delta Smoker . . . . . House
Omega Lambda Informal Dance . . . . . House
18, 1913—Civil Society Meeting.
19, 1913—Sophomore Class Meeting.
December 2, 1913—Civil Society Meeting.
3, 1913—Fire Protection Engineering Society Meeting.
4, 1913—Sphinx Meeting.
5, 1913—Beta Phi Informal Dance . . . . . House
Delta Tau Delta Informal Dance . . . . . Lakota Hotel
6, 1913—Phi Kappa Sigma Alumni Smoker . . . . . House
Omega Lambda Banquet . . . . . House

8, 1913—Chemical Society Meeting.
9, 1913—Tau Beta Pi Theater Party . . . . . Cohan's Grand
10, 1913— Radical Fx Meeting.
12, 1913—Phi Kappa Sigma Informal Banquet . . . . Railway Club
Tech Night . . . . . American Music Hall
13, 1913—Sigma Kappa Delta Banquet . . . . . Great Northern
Delta Tau Delta Initiation . . . . . House
15, 1913—Omega Lambda Christmas Party . . . . . House
17, 1913—Electrical Society Banquet . . . . . Boston Oyster House
18, 1913—Northwestern-Armour Basketball Game.
19, 1913—Sigma Kappa Delta Smoker . . . . . House
Phi Kappa Sigma Informal Dance . . . . . House
January 2, 1914—Beta Phi Theater Party . . . . . Illinois
7, 1914—Northwestern-Armour Basketball Game.
9, 1914—Phi Kappa Sigma Informal Dance . . . . . House
Omega Lambda Smoker . . . . . House
Delta Tau Delta Formal Dance . . . . Blackstone Hotel
14, 1914—Mechanical Society Meeting.
15, 1914—Assembly—Musical by Miss Priscilla Carver, piano; Mr. Thomas Lewis, baritone.
21, 1914—Sigma Kappa Delta Smoker . . . . . House
Beta Phi Smoker . . . . . House
22, 1914—Mechanical Society Informal Dance.
23, 1914—Omega Lambda Stag Party . . . . . House
24, 1914—Phi Kappa Sigma Theater Party . . . . . Palace
26, 1914—Registration Day.
30, 1914—Annual Junior Class Dance . . . . . Colonial Club
February 2, 1914—Freshman Class Meeting.
3, 1914—Sphinx Meeting.
Civil Society Meeting.
4, 1914—Omega Lambda Theater Party . . . . . Palace
5, 1914—Atelier Play, "Friday the Thirteenth" . . . . Art Institute
6, 1914—Sigma Kappa Delta House Party . . . . . House
Tau Beta Pi Annual Assn. Dance . . . . Congress Hotel
10, 1914—Chemical Society Meeting.
11, 1914—Junior Class Meeting.
12, 1914—Assembly—Dr. Gunsaulus on "Color Photography."
13, 1914—Omega Lambda Informal Dance . . . . . House
17, 1914—Sophomore Class Meeting.
18, 1914—Civil Society Meeting.
20, 1914—Phi Kappa Sigma Formal Prom. . . . . Blackstone Hotel
23, 1914—Chemical Society Meeting.
27, 1914—Sigma Kappa Delta Smoker . . . . . House
March 3, 1914—Civil Society Meeting.
6, 1914—Phi Kappa Sigma Informal Dance . . . . . House
Omega Lambda Stag Party . . . . . House
Annual Sophomore Class Dance . . . . . Colonial Club
13, 1914—Glee and Mandolin Club Concert . . . . Armour Mission
Delta Tau Delta Informal Party . . . . . House
20, 1914—Sigma Kappa Delta Smoker . . . . . House
Omega Lambda Formal Dance.
21, 1914—Phi Kappa Sigma Banquet . . . . . Railway Club
27, 1914—Radical Fx Dance . . . . . Lakota Hotel
April 3, 1914—Sigma Kappa Delta Smoker . . . . . House
Annual Freshman Class Dance . . . . . Colonial Club
4, 1914—Phi Kappa Sigma Smoker . . . . . House
10, 1914—Omega Lambda Theater Party. . . . . Palace
18, 1914—Sigma Kappa Delta Annual Dance . . . . Lakota Hotel
20, 1914—Omega Lambda Alumni Dinner Party . . . . . House
24, 1914—Beta Phi Annual Prom.
May 5, 1914—Omega Lambda Informal Dance . . . . . House
Junior Class Play . . . . . Armour Mission
6, 1914—Circus Day . . . . . Ogden Field
7, 1914—Senior Faculty Baseball Game.
8, 1914—Annual Junior Class Prom. . . . . Colonial Club
9, 1914—Class Banquets.
16, 1914—Delta Tau Delta Alumni Smoker . . . . . House
22, 1914—Omega Lambda Farewell Party . . . . . House
23, 1914—Sigma Kappa Delta Annual Banquet . . . . Great Northern

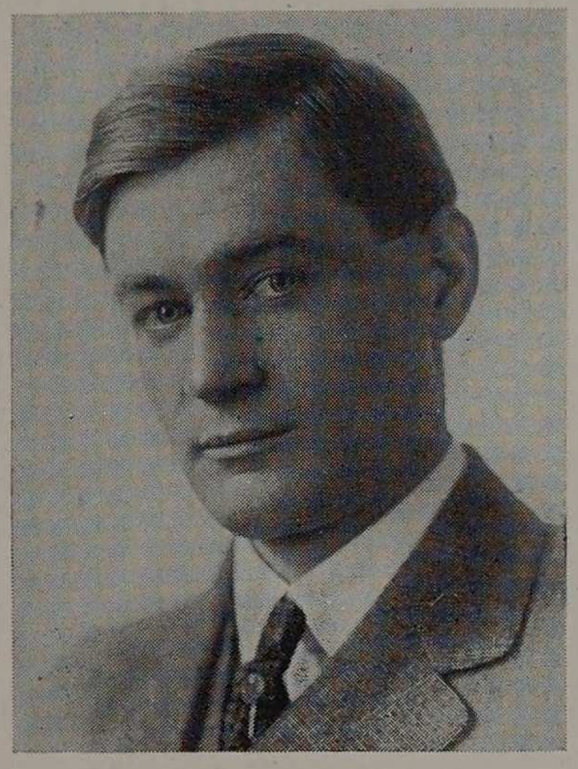
ATHLETICS



BOOK FIVE

Athletic Review

By John J. Schommer



The season of 1913 in athletics at "Armour Tech." was a success from two points of view. One, from the number of men who were wise enough to exercise their bodies as well as their minds, and the other, the development of physical skill to a point of supremacy in competition against other youths.

Sleep has ever been the best rest cure for the higher faculties and nervous disorders. To induce a sound sleep, nothing yet, short of harmful drugs, has been discovered that will take the place of regulated outdoor play. It is nature's best tonic.

Play exercises the lower functions of the brain and rests the higher. It tires the body and makes one sleep. In its enjoyment, the exercise strengthens the body, and therefore all the other organs are benefited. Hence the athletic department of the Tech. is interested in inducing every student to spend part of his day in healthful recreation. In lieu of the fact that so many men have been interested enough to come up to the gymnasium and out on the field for exercise, the department feels highly gratified. Some sixty men were out for track; thirty for baseball; and about twenty for basketball.

In competitive sports the Tech. had a successful year. The basketball season ended with Armour in third place instead of last place as in the previous year. Several games were lost by a close score. The "five" were green insofar as having played with each other and this alone would badly handicap any combination. The best thing that can be said of the team is, they were not "quitters." To be a fighter in the face of defeat with a "stick-to-it spirit" is a sterling quality to be proud of.

In Track, the "Tech's" regenerated venture was a better success than that of the previous year. While the boys got the same position, fourth, as did the team of 1912, yet the points scored were vastly different. This season the team secured 19 points in the Conference meet against $4\frac{1}{3}$ of their predecessors. Johnson, Katzinger, and Barr each won a first. Barr broke the record when he cleared 5′ 8″ in the high jump and Katzinger broke the broad-jump record with a leap of 21′ 7″. Two dual meets were lost to Lake Forest and two were won from North-Western College.

In Baseball, Armour won its greatest athletic distinction. It won the "Little Five" Championship and went through the entire season with but one defeat. North-Western University was defeated, as was the University of Chicago. The U. of C. won the Western Conference Championship and the "Tech." handed them two defeats. One of the games went twelve innings and was won by a home-run hit by Joe Lindquist in the twelfth. Don Hamilton, Kahn, Joe Lindquist, and Spencer, the Captain, closed their athletic career for Armour.

I take this opportunity to thank those who tried hard, in sacrificing their time and energy to make their letters, but were unsuccessful. I am sure they enjoyed the time spent and undoubtedly received much benefit. "They also serve who stand and wait."

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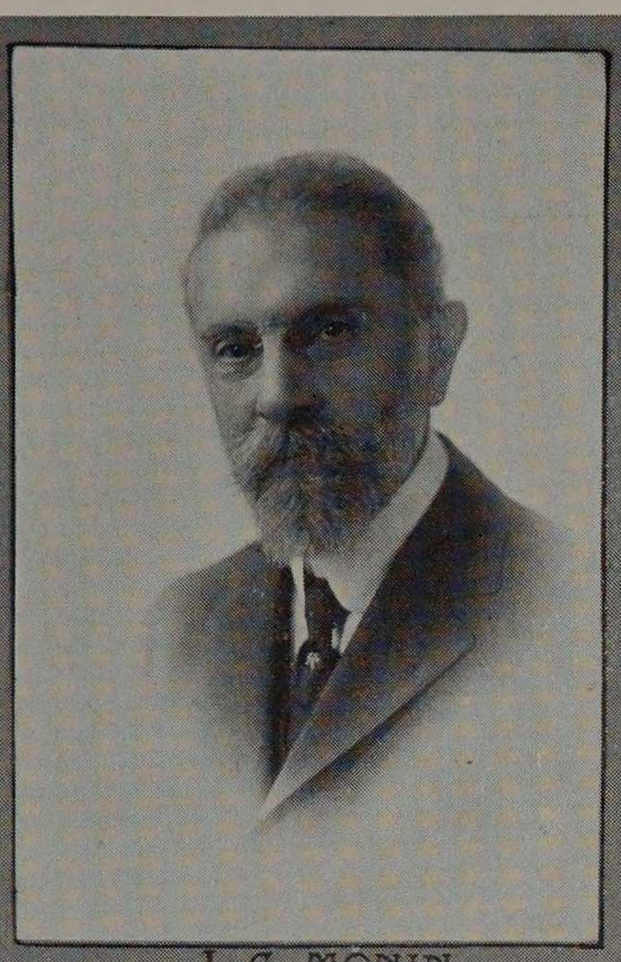
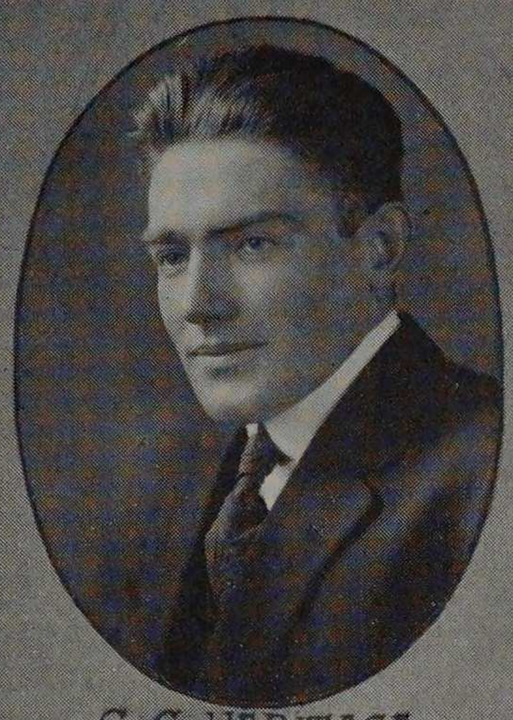
THE LITTLE FIVE CONFERENCE.

Armour Institute is a member of an association of the smaller colleges of the Middle West, the so-called "Little Five" Conference. The members of the "Little Five" are Knox College of Galesburg, Illinois; Monmouth College of Monmouth Illinois; Lake Forest College of Lake Forest, Illinois; Beloit College of Beloit, Wisconsin, and Armour Institute of Technology. At the last meeting of the Conference Board, Prof. W. K. Smart of Armour was elected president for the year, in place of Mr. Coffeen, the former president, who was formerly a professor at Armour, and has been president since the founding of the association.



L. C. MONIN



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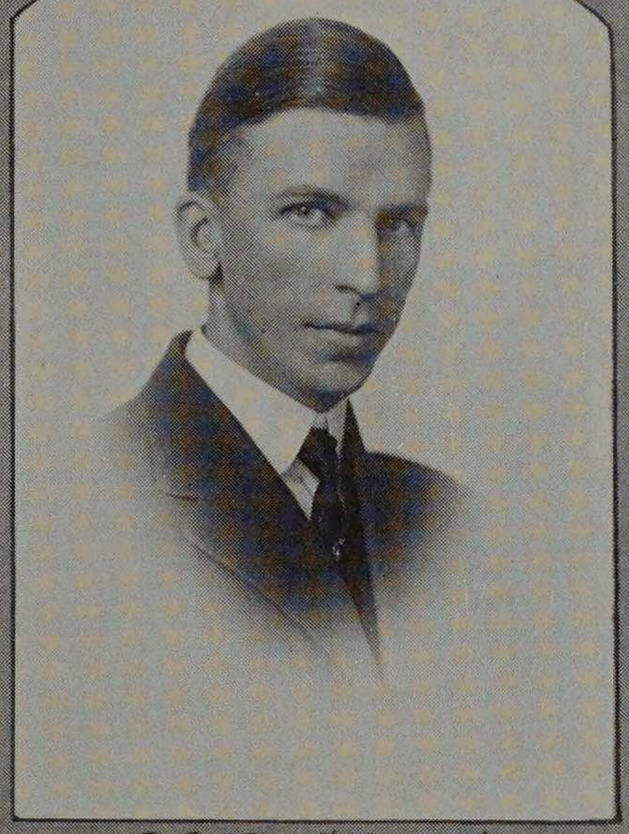

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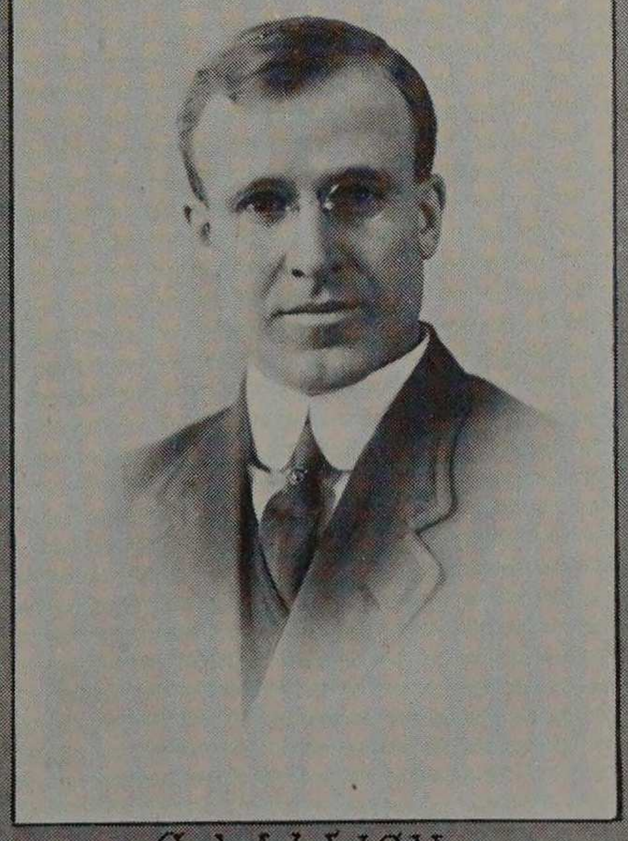


C. W. LEIGH



F. G. COOBAN

WEARERS OF THE A

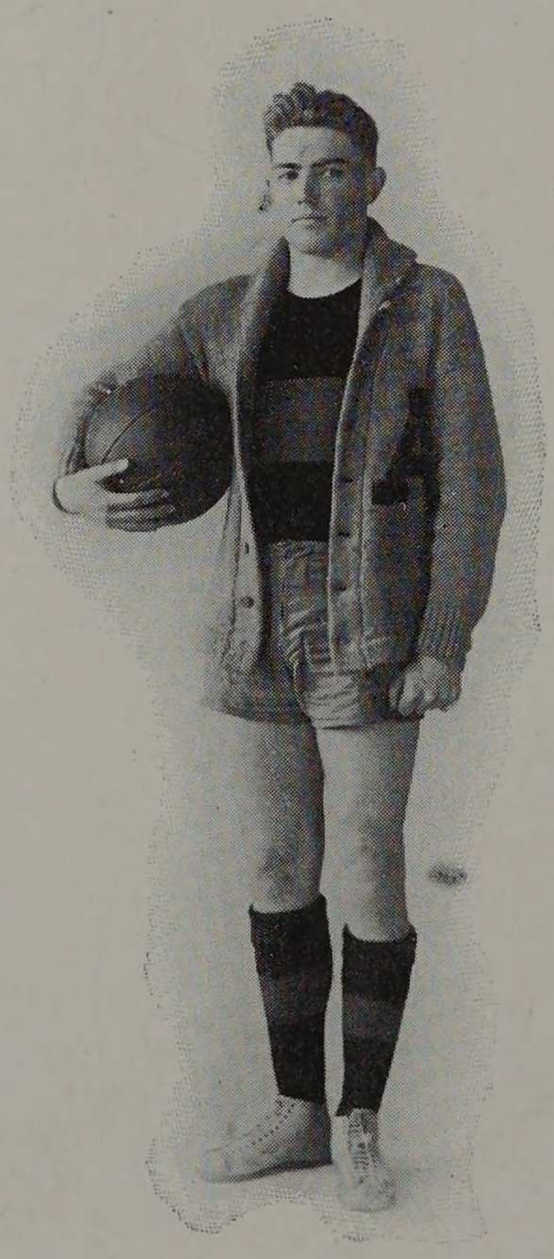




Allan L. Carver

A. L. Carver, Baseball, Basketball, Tennis, etc., is the way our old standby, "Bugs," should sign his name to that diploma of his. Al has been pitcher on the A. I. T. baseball team for three years, and is our great "white hope" for a championship team this year. For the past four seasons, he has been the star forward of the Tech Five, and the record of leading point-getter and free throw artist in the Little Five Conference is the laurel won by him. Besides this, he has been tennis champion at the Institute as long as we can remember.

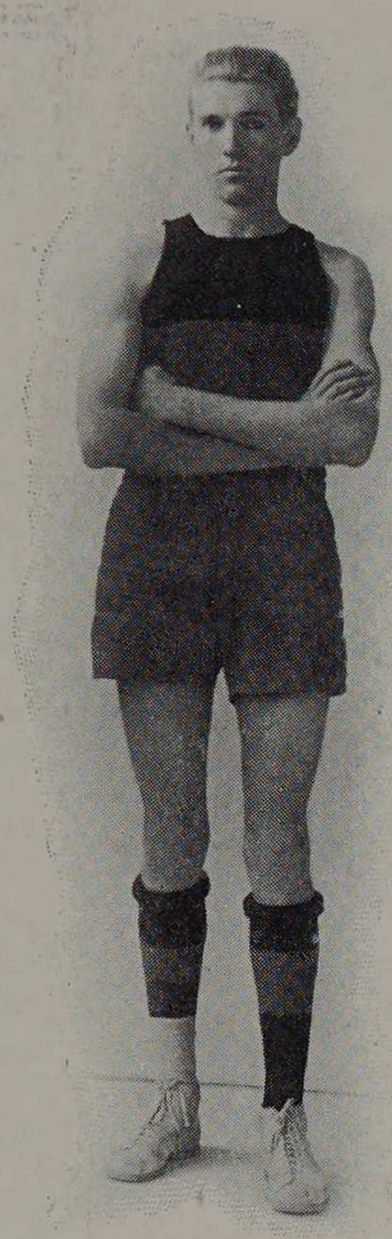
"Bugs" is a scrapper through and through. He is a clean sportsman, fast and tricky, and we all know that he does not lack grey matter.



Clark C. Heritage

In the athletic records of Armour Institute, "Gus" Heritage's name will probably appear as many times as that of any other fellow. As star guard for the basketball team for the past three years, Clark has terrorized a number of forwards by his nervy playing. He is in the game every minute of the time, and is game to the very core. He has taken part in all the athletics of the class of 1914, as well as in the various other activities of the class. "Gus" is largely responsible for the formation of the Armour "Honor A" society and of the Armour Rooters Association.

A better and a harder worker for the school, and its athletics especially, has never been enrolled at Armour.



John M. Emslie

"Dink," as he is known to the followers of athletics at Armour, won his emblem in his sophomore year. He is one of the best basketball players in the Institute, but owing to his studies, and to other outside work—he plays with Auburn Park—he was unable to continue as right forward for the Tech basketball team. When John was in the game, he never shirked his position, and always played a fast and clever game. He is noted for his accurate basket shooting, and is a fighter from the ground up. Emslie has also supported his class athletics up to the very limit. He has played baseball and basketball with his class team every year, and was always there in a pinch.

William H. Hallstein



"Dutch" is a victim of Armour athletics. It all happened during the first year he was in our midst. In that year, when the call was issued for basketball candidates, William H. was one of the quickest to report, and had little trouble in making one of the guard positions his own private property. It was while in this capacity, that Hallstein injured his knee so badly that he has been unable to take part in any of our regular basketball games. Since then, however, "Dutch" has taken part in class basketball, class baseball and class track. He won his second "A" as a star track man last year, and due to his good work, was elected captain for 1914.

We can say this for Hallstein, that he is a clean, honest and earnest worker in school as well as in athletics. Ask Dean Monin about the expense report he submitted while he was student manager of the baseball team.



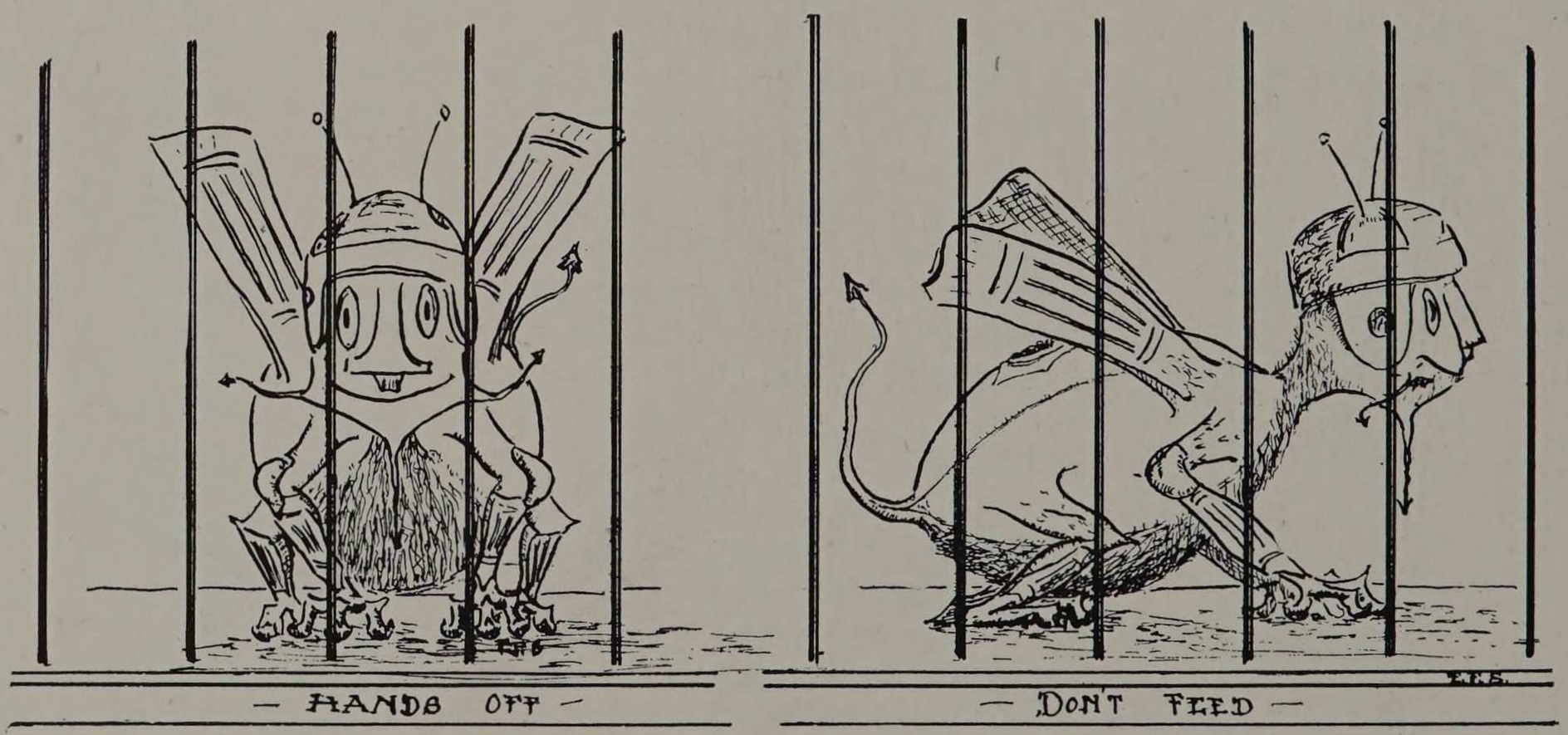
Allan W. Barr

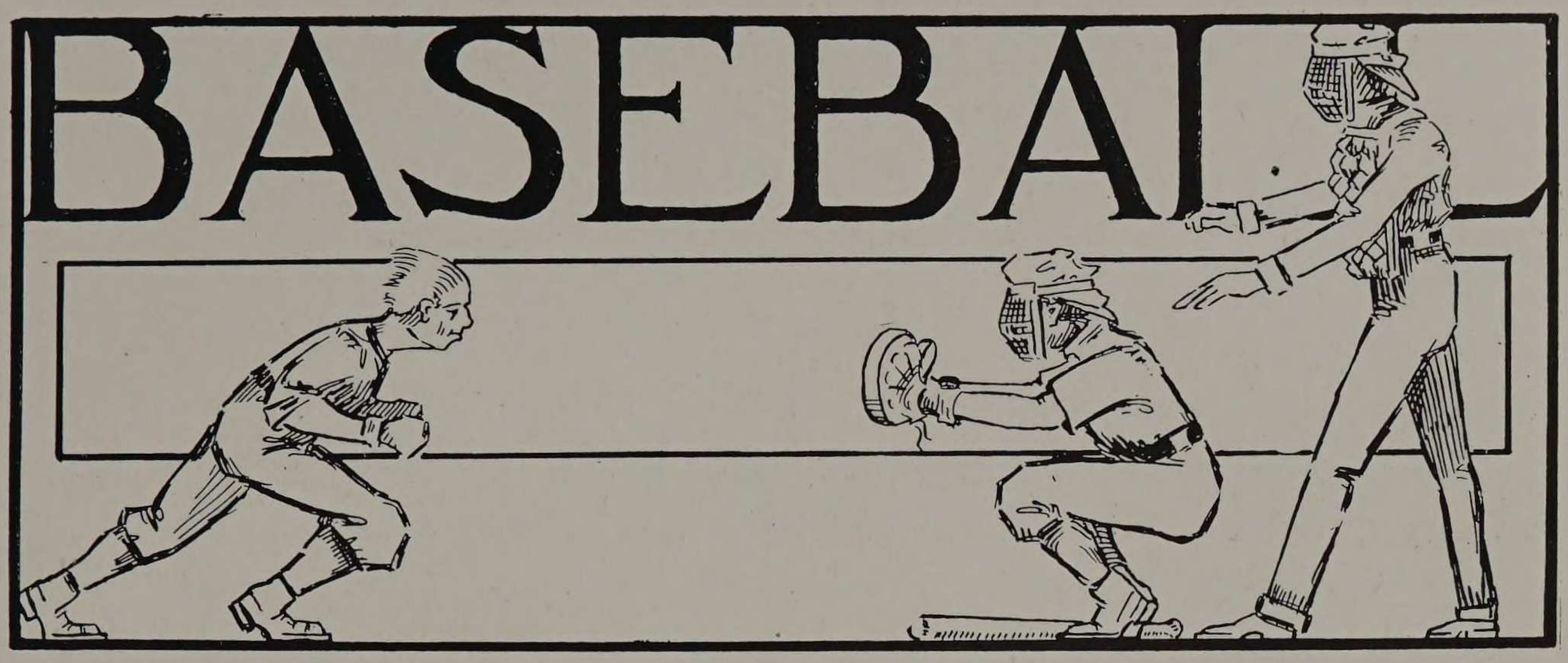
With the return of Track to the realms of Armour athletics, came the appearance of our star high-jumper, being none other than the slim, agile and speedy A. W. Barr. Barr starred for the Tech. in all their meets, usually copping first prize whenever he entered. He took first place at the Little Five Conference Meet at Lake Forest last year, and was forced to break a Conference record to do it. He has been a good supporter of his class athletics, and could always be counted on to win.

He is a fine fellow, and is appreciated by the fair sex, as is shown by his recent entrance into the ranks of the benedicts.

Football

Below we show the Football Germ (Lat., Germanibus Footballis), formerly prevalent at Armour, but now almost extinct. The sole survivor, which is kept under lock and key in the President's office, is gradually pining away from lack of food and friends. One peculiarity of the germ is that it cannot be killed entirely, but will linger on for years in confinement. However, if once permitted to escape the strict guard placed upon it, it will multiply with exceeding rapidity and spread throughout the school in a brief period, as the students are peculiarly susceptible to contagion by the germ.





Fellows! Think of it! That Tech baseball team, your own school team, was the Champion Team of the Middle West last season. There was no luck about it, no freak of the great American game that made us the best team in the West. No, nothing like that, for it was good old, and new baseball, taught under John J. Schommer, that turned the trick. To Schommer should go the credit for being the best baseball coach in the middle west, for he certainly made a team for us which was the best in the west and one of which we should all be proud.

Another man who did much toward making the team what it was, and who captained the team to its many victories, was Charlie Spencer, who graduated last year; as did Joe Lindquist, the best first baseman and all around player that Tech ever knew, who won the game from Chicago U. with a home run in the twelfth inning.

The team was able to get an early start in its spring training because of the fair weather conditions. When it did happen to be a little cold or wet, it did not excuse the candidates from practice, for then they were required to report in the gym and heave the pill around up there. This, in fact, is the true reason for Armour's success. John Schommer sure made the fellows work for their "A's."

Great credit should be given to the pitching staff of the team. A combination of "Bugs" Carver, Don Hamilton and Substitute Holt was almost enough to scare any team. Carver and Hamilton carried the brunt of the work and neither deserved to lose a game.

The "Tech" opened its season by going out to Evanston and defeating one of the teams of the "Big Nine." Northwestern was the first victim of the year. With Carver in the box, Armour won by the score of 5 to 4. The Tech was losing up to

the eighth inning, when the big guns started to fire and Armour had enough runs to win before Northwestern realized what was happening.

In the eyes of the college baseball world this was held to be an accident, so Schommer made it his business to schedule a game with the University of Chicago. On April 22nd, the team traveled out to the Midway, accompanied by several hundred members of the Armour Rooters' Association, and in one of the hardest games ever played on Marshall Field, defeated the Chicago team in twelve innings by a 2 to 1 score. Joe Lindquist, our famous slugger and fence buster, settled the argument with a homer over the left field wall in the final inning. Hamilton twirled the first five innings and then Carver took up the work and finished the game without a scratch.

The first home game of the year was played on Ogden Field, April 24th. Here the Tech team took a glorious revenge for the drubbing they had received the year before, and shut out the Northwestern College team by a score of 3 to 0. Carver twirled for the Tech and certainly twirled some classy baseball for he allowed them only three hits.

The first conference game was played at Beloit against Beloit College on April 26th. Again the team had to fight an uphill battle, but they were equal to the task, and in the eleventh inning knocked the Beloit star and ex-Cub pitcher out of the box. Sullivan started things with a homer and after that they all hit the pill. The final score was 7 to 2, which was some finish, considering that it was an eleven inning game. Don Hamilton pitched a wonderful game for Armour and deserves all the praise possible.

The Tech kept up its winning streak and on April 30th met the Lake Forest aggregation on Ogden Field and administered a 2 to 1 beating to their bitterest enemy. It was a hard fought game all the way through, and the only run that Lake Forest got was a fluke homer by Krueger. Both teams got the same number of hits, but ours were more "delicately selected." "Bugs" Carver went the whole route for the Tech and was never once in danger. He whiffed eleven men, and did not walk any. Some twirling, eh?

On May 6, the Tech team went out to the Midway for the second time, in order to settle a little argument over which Coach Schommer and Pat Page had been debating. As usual, our team trimmed the U. of C. nine. The final score was 6 to 5, with Armour on the heavy end. Hamilton pitched a full game this time and treated the Midwayites just as he would have treated Ty Cobb, Joe Jackson, Honus Wagner or any of the other baseball players that he might have twirled against. This made the second time that the Tech team defeated the team which won the championship of the "Big Nine."



Standing—Hamilton, Coach Schommer, Katzinger, McDonald, Cooban, Hook, Hill, Holt, Asst. Coach Leyden, Trainer.
Sitting—Miranda, Trinkaus, Kann, Captain Spencer, Sullivan, Carver, Herman.

The team next traveled to Galesburg, and on May 9 defeated Knox College by the overwhelming score of 12 to 2. The A. I. T. boys gathered some eighteen hits before the nine innings were over. Carver did the twirling and struck out thirteen of the Knox batters. If it had not been for a little slip in one inning, he would have easily made it a shut out game.

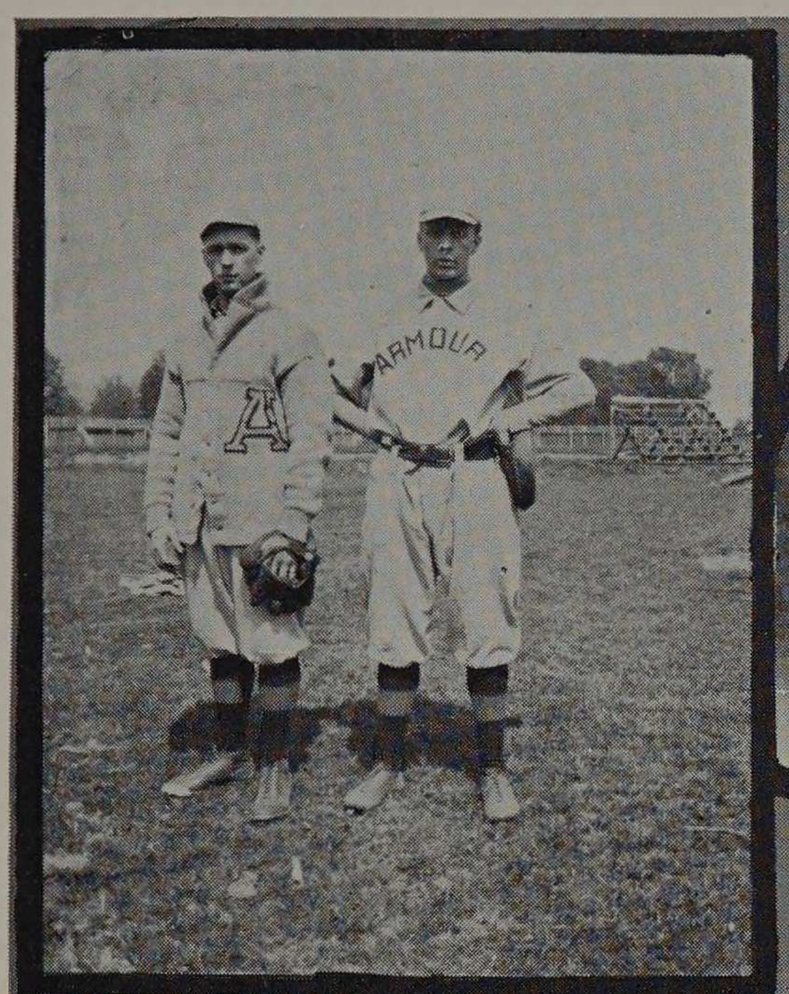
While in that section of the country, the boys dropped over to Monmouth for a day, and trimmed the team there by a score of 3 to 0. Don Hamilton held the enemy runless for the whole nine innings. Two games in two days is not a bad record at that

Armour lost only one game during the entire season, and that was along toward the close of the season's work. It happened at Lake Forest on May 14th. The Tech team got away to a bad start and after that the wonderful pitching of Krueger, for Coach Kennedy's men, kept the Armour men from taking their usual spurt toward the latter part of the game. Four runs in the first inning proved the Tech's undoing. Carver twirled the only loss of the year, but it certainly wasn't his fault that the game was lost.

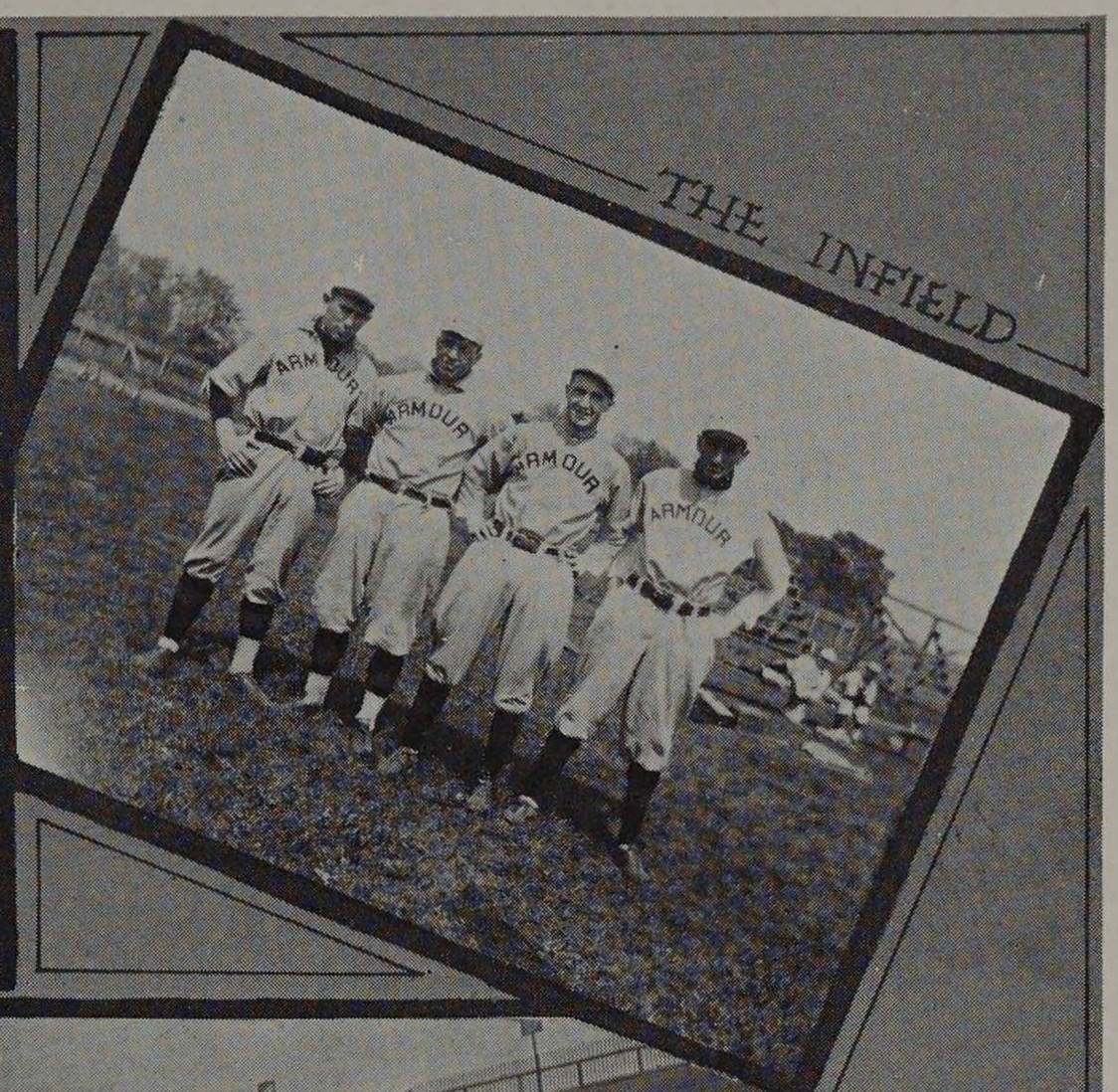
The farce of the year was when Armour defeated Knox College on Ogden Field, May 16th. The final score was 19 to 1 and the hits recorded by Armour totaled 18. It was a regular parade of the Armour men around the bases. Hamilton pitched this game, but it did not need Don's skill to defeat Knox. Several of the substitutes were given a chance to show their skill, and Miranda, Hill, Cooban and Mcdonald upheld the standard of the team. The ratio of the scores in this game just about shows the superiority of the Armour brand of baseball as compared with that of its rivals in the "Little Five."

In the concluding game of the year, the Tech team defeated Monmouth College on Ogden Field, May 22nd. The score was again rather lopsided, Armour getting the large end of a 16 to 0 score. Carver and Hamilton were both used in this game and between them they did not allow a single hit. This game again showed the typical Armour brand of baseball.

Our team last year was the talk of the college baseball fans all over the Middle West, and won a lasting reputation in the annals of western baseball. The team was given the silver loving cup, presented annually to the champion baseball team of the Middle West by A. G. Spaulding and Bros. Armour men certainly had a team to be proud of, for they certainly played clean, honest and perfect baseball throughout the entire year. At a banquet given to the "Champions of the Middle West" by Mr. Hamilton at the Hotel LaSalle, Leonard Hook was chosen to captain the team for the season of 1913-14.



THE BATTERY

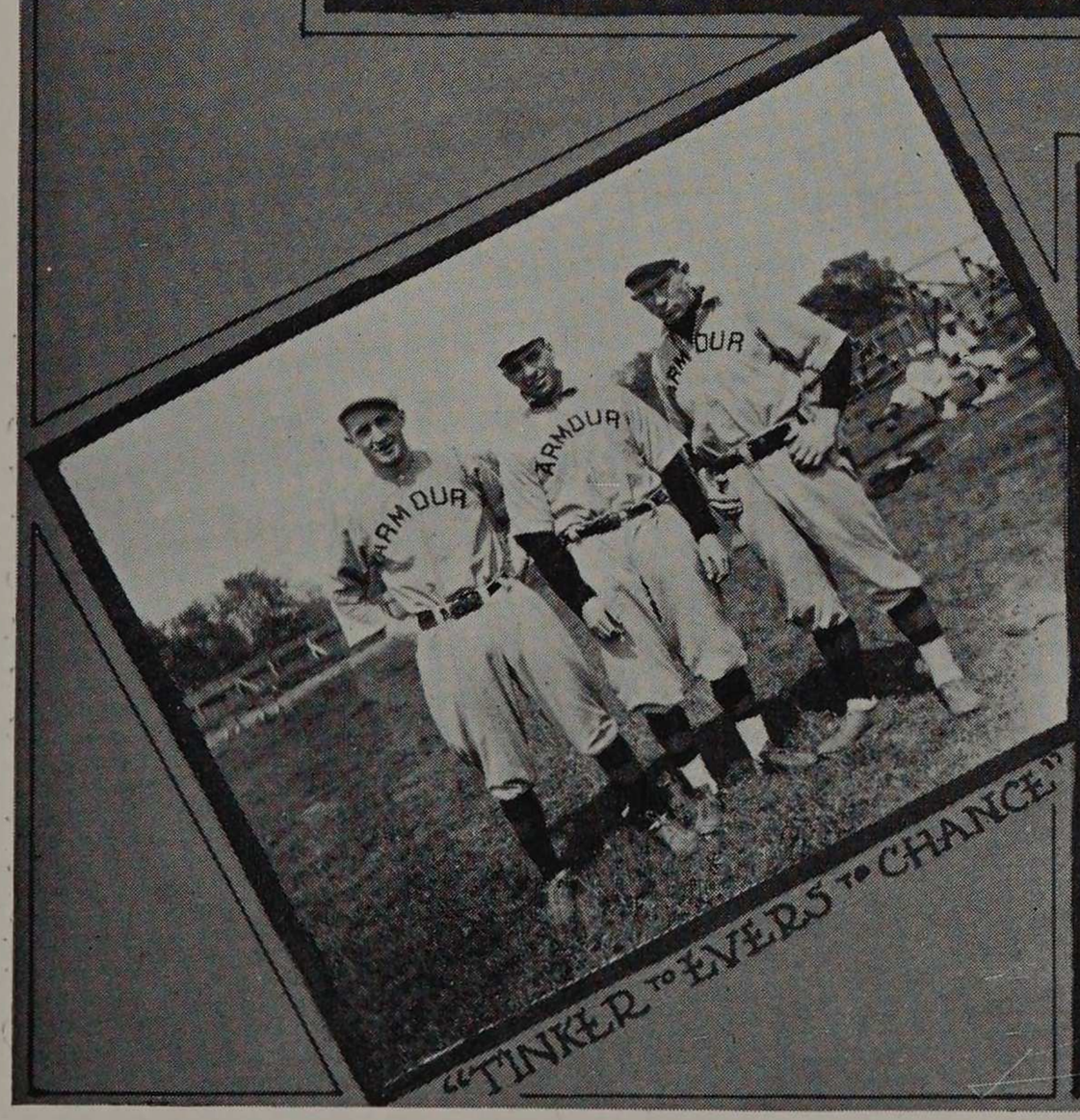


THE INFIELD

ON THE BLEACHERS



CHICAGO-ARMOUR GAME



THE OUTFIELD



Baseball Team

Spring 1913

Management

John J. Schommer	Coach
A. R. Lyden	Assistant Coach
John J. Schommer	Manager
Charles Spencer	Captain (1912-1913)
Leonard D. Hook	Captain (1913-1914)

Little Five Standings

College	Won	Lost	Pct.
Armour	6	1	.857
Lake Forest	4	2	.666
Beloit	3	2	.600
Monmouth	3	4	.429
Knox	0	7	.000

Schedule of Games

Date	College	Score
April 14	Armour vs. Northwestern University at Evanston	5–4
April 22	Armour vs. Chicago University at Chicago	2–1
April 24	Armour vs. Northwestern College at Armour	3–0
April 26	Armour vs. Beloit at Beloit	7–2
April 30	Armour vs. Lake Forest at Armour	2–1
May 6	Armour vs. Chicago University at Chicago	6–5
May 9	Armour vs. Knox at Galesburg	12–2
May 10	Armour vs. Monmouth at Monmouth	3–0
May 14	Armour vs. Lake Forest at Lake Forest	0–4
May 16	Armour vs. Knox at Armour	19–1
May 22	Armour vs. Monmouth at Armour	16–0

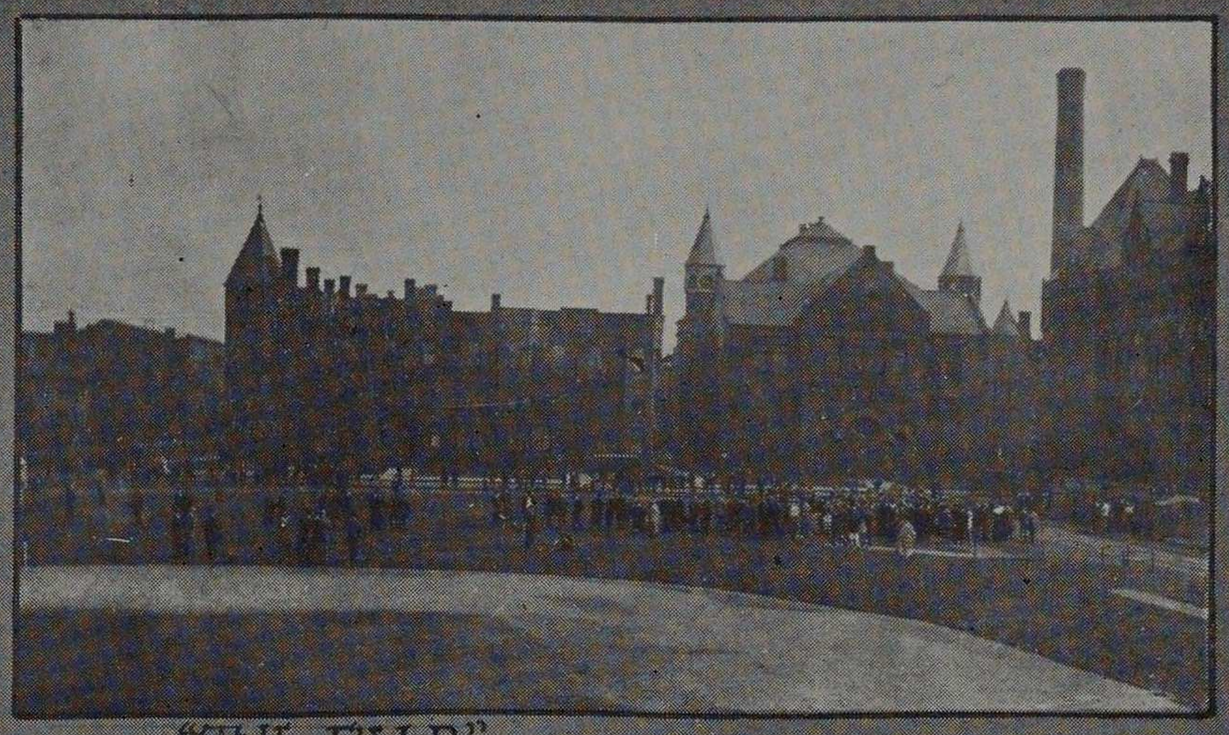
Total games won by Armour . 9
Total games lost by Armour . 1
Armour's percentage . .900

The Dope on the Tech Team

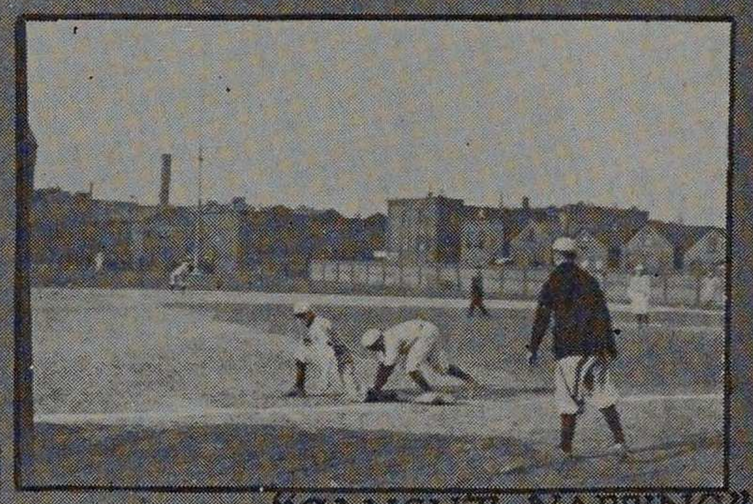
Player	Pos.	No. Games	A.B.	Hits	Runs Scored	F.A.	B.A.
Miranda	F.	2	4	2	2	.000	.500
Herman	L.F.	11	48	20	13	.938	.417
Lindquist	1st B.	4	16	6	1	1.000	.375
Hamilton	P.	7	26	9	7	.963	.436
Katzinger	2nd B.	11	46	14	11	.942	.304
Spencer	3rd B.	11	42	11	4	.852	.262
Hook	C.F.	11	42	11	7	.818	.262
Trinkaus	R.F.	10	39	9	7	.909	.231
Carver	P.	7	22	5	1	.813	.227
Sullivan	S.S.	11	40	9	9	.895	.225
McDonnell	1st B.	7	23	4	4	.966	.174
Cooban	F.	3	6	1	2	.000	.167
Kann	C.	11	44	7	8	.985	.159



"DUKE AND TOM"



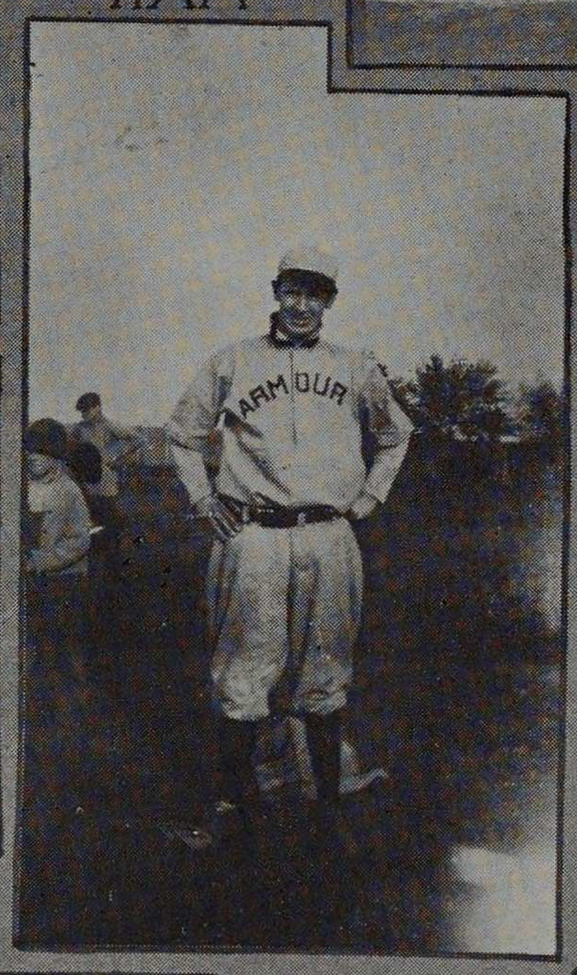
"THE FIELD"



"CAUGHT NAPPING"

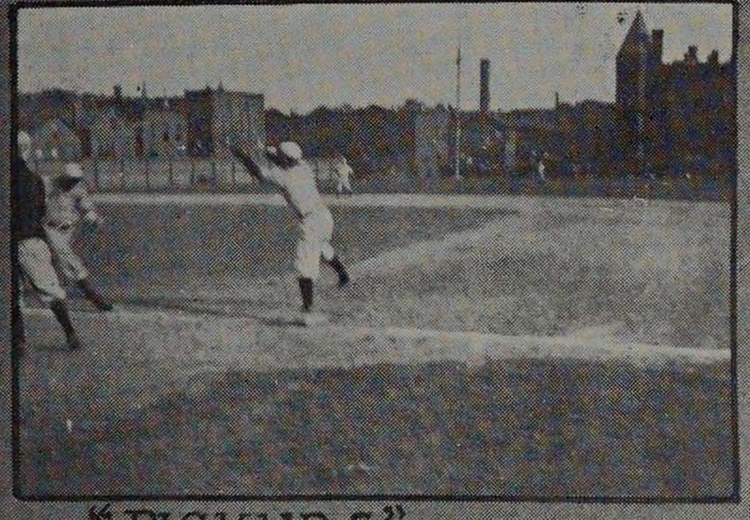


"HAM"





"FANS"



"PICKUPS"

"ON A TRIP"



FACES ON THE DIAMOND

"THE COACH"



The following scores are a sample as to what Armour did to the teams they played in the Big Nine. In order to get the real benefit of such victories you should have seen the games.

Armour Tech.	R.	H.	P.	A.	E.
Kann, C.	2	0	13	1	1
Trinkaus, R.F.	0	1	2	0	1
Herman, L.F.	0	1	0	0	0
Katzinger, 2nd	0	1	0	3	0
Hook, C.F.	1	1	1	0	0
Sullivan S.S.	0	0	1	0	0
Hamilton, P.	1	1	1	3	0
Spencer, 3rd	0	1	0	1	0
MacDonnell, 1st	2	0	9	0	1
Totals	6	6	27	8	3

The U. of Chicago	R.	H.	P.	A.	E.
Catron, S.S.	1	0	2	1	0
Scofield, 2nd	1	2	0	0	0
Norgren, 1st	1	0	8	0	0
Mann, C.	0	0	15	2	1
Gray, R.F.	0	0	1	0	0
DesJardien, 3rd	0	1	0	2	1
Kulvinsky, L.F.	0	0	1	0	0
Sains, C.F.	0	0	0	0	0
Baumgartner	2	2	0	2	1
Totals	5	5	27	7	3

Clubs	1	2	3	4	5	6	7	8	9—Totals
The U. of C.	3	0	0	1	0	1	0	0	0—5
Armour Tech.....	0	0	1	2	1	2	0	0	0—6

Two Base Hits—DesJardien, Hamilton. Three Base Hit—Hook. Home Runs—Baumgartner, 2. Struck out—By Baumgartner, 15; by Hamilton, 11. Bases on Balls—Off Baumgartner, 8; off Hamilton, 7. Umpire—Jack Pickett.

N. W. University	R.	H.	P.	A.	E.
Hightower, S.S.	1	1	1	3	2
Denton, C.F.	0	1	2	0	0
Rivard, 2nd	1	1	2	1	0
Morvill, R.F.	0	1	0	0	0
Scanelton, L.F.	0	2	2	0	0
Young, 1st	1	1	11	0	2
Hirm, 3rd	0	1	1	3	0
McCosh, C.	1	2	6	1	0
Lamke, P.	0	0	2	2	2
Graham, P.	0	0	0	0	0
Totals	4	10	27	10	6

Armour	R.	H.	P.	A.	E.
Kann, C.	2	1	8	1	1
Spencer, 3rd	0	2	0	0	0
Herman, R.F.	0	0	1	0	0
Hook, C.F.	0	0	1	0	1
Katzinger, 2nd	0	0	3	6	0
Sullivan, S.S.	0	0	3	2	0
Carver, P.	1	1	0	2	2
Cooban, R.F.	0	0	1	0	0
McDonnell, 1st	0	1	10	0	1
Hamilton, P.	2	1	0	0	0
Totals	5	6	27	11	5

	1	2	3	4	5	6	7	8	9
Northwestern	1	0	0	0	2	1	0	0	0—4
Armour	1	0	0	0	0	0	0	3	1—5

Two Base Hits—Young, Carver. Struck Out—By Lamke, 6; by Carver, 7; by Hamilton, 1. Bases on Balls—Off Carver, 1; off Hamilton, 2; off Lamke, 4.

U. of Chicago	R.	H.	P.	A.	E.
Catron, S.S.	1	1	3	1	1
Scofield, 2nd	0	1	1	2	2
Norgren, 1st	0	1	14	0	0
Mann, C.	0	0	14	1	0
Grey, R.F.	1	0	1	0	0
DesJardien, 3rd	0	0	1	2	0
Baumgartner, P.	0	0	0	0	0
Harger, C. F.	0	0	2	1	0
Stains, C.F.	0	0	0	3	0
Bohen, L.F.	0	0	0	0	0
Carpenter, P.	0	0	0	0	0
Totals	2	3	36	10	3

Armour	R.	H.	P.	A.	E.
Kann, C.	0	0	4	1	0
Spencer, 3rd	0	0	3	1	0
Karzinger, 2nd	1	1	2	3	1
Lindquist, 1st	1	2	15	1	0
Hamilton, P.	0	1	0	4	0
Hook, C.F.	1	2	4	0	0
Carver, P.	0	1	0	2	0
Herman, L.F.	0	0	0	0	0
Sullivan, S.S.	0	2	6	5	2
Trinkaus, R.F.	0	0	2	0	0
Totals	3	9	36	17	3

U. of Chicago	0	0	1	0	0	1	0	0	0	0	0—2
Armour .	0	1	0	0	1	0	0	0	0	0	1—3

Two Base Hit—Hook. Home Run—Lindquist. Struck Out—By Carpenter, 5; by Baumgartner, 6; by Hamilton, 3; Bases on Balls—Off Carpenter, 2; off Baumgartner, 2; off Hamilton, 1; off Carver, 1.

Senior-Faculty Game

The annual Senior-Faculty game took place on the fourth day of Junior Week, May 8. This great event of international interest and importance was witnessed with a great deal of enthusiasm by the entire college in general. The "Profs," as usual, won by a score of 19 to 15. Sounds like the score of a basketball game, but it wasn't, it was baseball. The Profs knocked Israel all over the lot and amassed a total of 19 runs and 21 hits. McMullen only allowed the Seniors 13 hits from which they obtained 15 runs. Somebody must have made an error. Prof. Wilcox having been sent to the minors before the game was called, did not make his appearance.

Score

Faculty (19)	R.	H.	P.	A.	E.
Lyden, S.S	1	1	2	0	4
Leigh, C.	3	2	13	4	1
Smart, C.F.	3	2	1	0	0
McMullen, P.	3	5	1	2	1
Pulsifer, 3B.	3	3	0	0	4
Libby, 2B.	3	3	2	0	1
Peebles, 1B.	2	1	5	0	1
Roesch, L.F.	1	1	3	0	3
Larsen, R.F.	0	2	0	0	0
Totals	19	21	27	6	15

Seniors (15)	R.	H.	P.	A.	E.
Meyer, S.S.	0	0	1	3	0
Spencer, L.F.	4	2	3	0	0
Stewart, 1B.	0	2	2	0	0
Librand, 1B.	1	1	4	0	1
Israel, P.	3	1	4	0	0
Badger, C.F.	1	2	1	0	1
Walin, C.	0	0	3	0	0
Kopald, C.	0	0	1	0	0
Mann, 2B.	0	1	1	0	1
Westlund, 2B.	2	0	3	3	0
Holden, R.F.	0	0	0	0	1
Copenhaver, R.F.	2	2	1	0	0
Koch, 3B.	0	0	0	1	1
Langill, 3B.	2	2	0	0	1
Totals	15	13	24	7	6

By Innings	1	2	3	4	5	6	7	8	9	R.	H.	E.
Faculty .	5	1	2	0	0	5	0	6	*	—19	21	15
Seniors .	0	0	0	1	4	4	2	2	2	—15	13	6

Three Base Hit—McMullen. Two Base Hits—Lyden, Smart, Libby, Peebles, Stewart, Israel, Copenhaver. Struck Out—By McMullen, 12; by Badger, 1; by Israel, 4. Bases on Balls—Off McMullen, 3; off Badger, 0; off Israel, 1.

Interclass Athletics

The interclass baseball series was made very interesting by the wonderful showing of the Freshman team. The Freshmen at the start were pitted against the Seniors, champs of last year. They had to play two games in order to see which was the master, but the Freshman came out on top. In the first game, which resulted in a tie, with a score of 8 apiece, the Freshmen showed a good brand of baseball. In the second game the Freshmen trounced the Seniors to the tune of 4 to 2. The Sophomores defeated the Juniors in a hard fought game by a score of 8 to 5. In this game "Tom" Sullivan made his appearance as a pitcher but the Sophs didn't believe it. In the final game between the Freshmen and the Sophomores the Freshmen showed their superiority when they defeated the Sophs by a score of 2 to 1. It was a hard fought game, but the Freshmen had too much "pep" for the Sophs. The winning team was awarded sweaters as the spoils of victory.

Again in the inter-class basketball series the Seniors lost another of their last year's laurels. The Seniors first had to defeat the Juniors by a score of 28 to 16 in order to get into the semi-finals. This they did handily. The Sophomores trimmed the Freshmen to a tune of 28 to 10. This left the championship between the Seniors and the Sophomores. The game was a poor exhibition by the champs of last year, and they were beaten by a score of 46 to 5. There were no individual stars on the Soph. team, for they all played brilliant ball.

The second championship of the Institute went to the Sophomores when their track team walked away with the Inter-class track meet. They led the march, with the Juniors second, Seniors third and the Freshmen last. This athletic event again marked the downfall of '14, for they were last year's champs. This made the third championship lost by the class of '14 in one year.

Results of Class Baseball Series

Class	Won	Lost	Pct.
Freshmen	2	0	1.000
Sophomores	1	1	.500
Seniors	0	1	.000
Juniors	0	1	.000

Results of Class Basketball Series

Class	Won	Lost	Pct.
Sophomores	2	0	1.000
Seniors	1	1	.500
Juniors	0	1	.000
Freshmen	0	1	.000

Results of Class Track Meet

Class	Score	1sts	2nds	3rds
Sophomores	51	4	7	3
Juniors	29	4	1	4
Seniors	24	3	4	4
Freshmen	12	2	1	1



INTER-CLASS CHAMPS

SOPHOMORE TRACK TEAM

CHAMPIONS 1913



FRESHMAN TEAM

BASEBALL CHAMPS 1913

SOPHOMORE BASKETBALL TEAM

CHAMPIONS 1913-'14



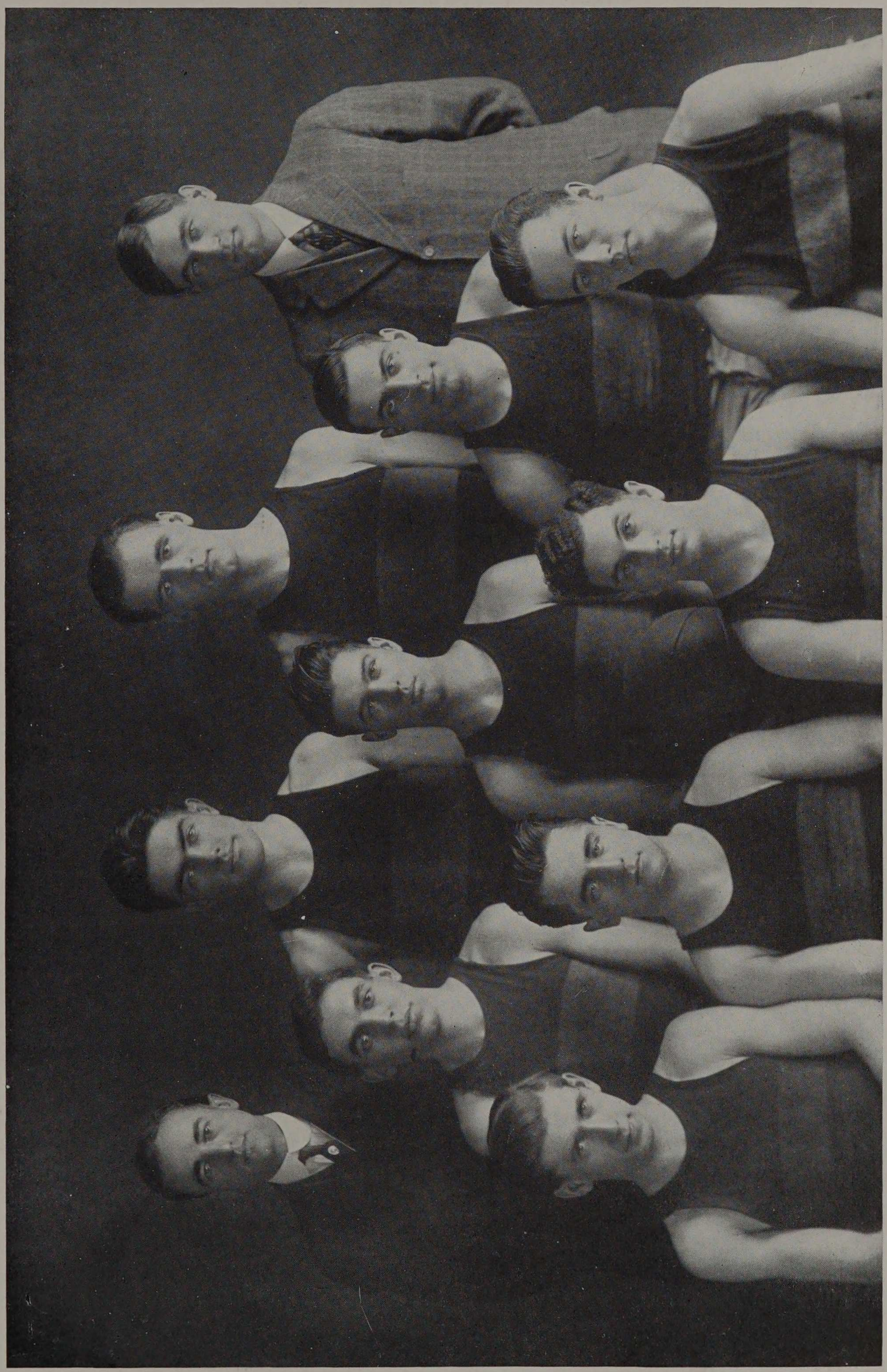




The showing of our basketball team this year was far better than that of last year's team, although they only landed the middle place in the Conference race, as they also did last year. The fight that they put up for the good old flag was one that the other members of the Conference will not forget for some time. The season ended on February 27th, when the Tech. team walloped the crimson colored warriors from Monmouth to the tune of 21 to 14. In the Conference race, Beloit grabbed off the championship, with the Lake Forest quintet in the second berth, and then Armour, Knox and Monmouth in the order named.

At the beginning of the season our prospects were never brighter, for we had John Schommer as coach and four of last year's men, Heritage, Katzinger, Carver, and Sullivan as the nucleus of the new team. With this quartet, who had been the stellar attractions on the team of the preceding year, and the prospects of drawing a star center from last year's Freshman team, we had high hopes for the championship. We had in the substitute material several of last year's men and some new ones. Greenspahn and Trinkaus were out for the guard positions, and Wilcox, King and Clay were able substitutes for the forward positions.

Carver captained the team from the right forward position and he officiated as only "Bugs" can do. He proved the star of the team by his great shooting and free throwing. With his wonderful speed and cleverness Carver made himself one of the most dangerous forwards in the conference. Sully, with his overload of "pep" and fight was in the game every minute and always seemed to be in front of the ball wherever it was thrown. Sully is a scrapper and most of the guards that played against him can tell of what he is built. "Sully" once said he had a weak heart. "Quitcherkiddin, Sully!" At the guard positions were two men who never shirked work all the time they were in the game. Heritage held down the right guard position, and did it so well that the score book shows very few baskets for his opponent forwards. Gus shot a good many baskets for the Tech



Top Row—Asst. Coach Lyden, Heritage, Lamb, Coach Schommer. Middle Row—King, Captain Carver, Katzinger. Lower Row—Clay, Sullivan, Greenspahn, Wilcox.

team, dropping through sixteen "markers" before the season ended. He lived up to that character in the Armour basketball world which made him captain of his team last year. At the other guard position was Art Katzinger, of the class of '16. He made the team when he was a freshman, and from the present outlook, he will still be playing when he reaches his Senior year. Art is a born basketball player, and that is all there is to it. He plays that job of his as though his life depended on smearing a forward who even attempted to shoot a basket. He is one of the cleverest and cleanest players we have had, and when he is in the game, his own forward, the rest of the opposing team, his teammates, the coach and the spectators all know it.

The star find of the season was none other than a tall, good-natured, and sociable Freshman in the person of our friend Lamb. Towering six feet two and a half inches, and having 170 pounds to back it up, Lamb came straight from high school basketball to Schommer, and it did not take long for John to round him into one of the sensations of the season. He tied with Heritage in the number of baskets shot, but he led them all in the matter of personal fouls. One thing about personal fouls: they show that a fellow is in the game heart and soul, but that once in a while he makes a slip and then the referee blows the whistle.

This great quintet needed very few substitutes throughout the entire season, so it is hard to say anything as to the work of the men who served as substitutes.

Great credit is due to Mr. H. J. Springer of the athletic department, who acted as the trainer of the team. His never tiring services and his good will in doing things for the team which were not exactly in the line of his duties as Physical Instructor of the Gym, should be greatly appreciated by the whole institute, for Harry is a true and hearty good-sportsman.

Our team seemed to be playing in hard luck during the entire season. In fact, we lost the championship by only ten points—five baskets, or four baskets and two free throws, or any other way you can figure it out to make the small total of ten. The following dope is official, and comes from a good source. "If the Tech team had won the remaining seven games after they were walloped by the Beloit outfit at that town on January 7, they would have been champs instead of Beloit." Now this is absolutely true, and if you will follow as the points turn up, you will see for yourself. After the Beloit defeat, the team had a practice game with Northwestern College, and was badly defeated by the score of 46 to 21. Following this came the semifinals—not in basketball, but in the few studies we happen to have. After the exams were over, the team traveled to Galesburg and Monmouth. In the first game of the trip, played against Knox College, Armour lost a heart-breaking game to the downstate bunch by a score of 21 to 20. A Knox substitute tossed a goal in the last thirty seconds of play, and the Tech lost BY ONE POINT. Although this defeat was enough to take all the pep out of them, the next day the team turned around and sailed into the Monmouth aggregation, cleaning them up at their own barn, by a score of 24 to 19. Carver was the leading man, while Lamb was put out of the game for fouling. This was one of the four games that the Tech did win. On February 9, Lake Forest visited us and we had a little scrap in the Institute Gym. Armour lost by a score of 30 to 25. The referee missed quite a few in this game, enough to total five points at least. Carver again led in the shooting, while Katzinger nailed his man every time he turned around. This was the second game we lost by a close score, being only FIVE POINTS BEHIND when the gun was fired. With a vengeful spirit, the team traveled to Lake Forest for the next game, and when they came away from that burg, their ire had been amply satisfied. They had spoiled Lake Forest's chances for the championship, incidentally administering a severe licking to the North Shore bunch, the final score being

29 to 15. In this game, Lamb, the new wonder, leaped into the lime-light. He tossed five baskets, and proved a big factor in the winning of the game. On February 20, the boys handed Knox a defeat on our floor, to the score of 26 to 20. This was more revenge for the team for the defeat in which Knox had nosed us out by one point. Lamb deposited five counters, while Katzinger and Heritage each held down their men to a very low score. This made it three and three for the season so far. Then, at our home Gym we were bumped by the Beloit five by a score of 22 to 18. Our boys had them beaten in the first half by a margin of six points, but in the second session, when Beloit saw their championship hopes growing dim, their team made a wonderful spurt and came away with the game by outplaying the Tech. boys. Again the referee helped our opponents, and the result was that we lost our third hard luck game BY FOUR POINTS. Here Carver once more made some wonderful goals, totaling four in all, and tossed four free throws. He scored twelve of Armour's eighteen points. Sully, with that inevitable pep of his, proved a big factor and nearly upset the hopes of the Beloit team, and the guards certainly did some guarding that day. The season ended with a victory for Armour on their own floor, when Monmouth went down to the tune of 21 to 14. This game was staged as a farce, with poor shooting on both sides, each man who got the ball shutting his eyes and throwing in the direction of the basket.

The Tech team thus lost its first game by an eighteen point margin, but they could have accepted this defeat and still come out ahead if they had won the other seven. The second game was lost by one point, the third by five and the fourth by four, while the other four games were won. Now, if the boys could have made just ten more points—1 plus 5 plus 4—they would have been the champions of the Little Five Conference.

Basketball Team—Season 1913-1914

JOHN J. SCHOMMER	Coach
A. R. LYDEN	Assistant Coach
ALLAN L. CARVER	Captain

Members

CARVER, A. L. (Captain)	Forward, Right
HERITAGE, C. C.	Guard, Left
SULLIVAN. J.	Forward, Left
KATZINGER, A.	Guard, Right
LAMB	Center
WILCOX, M. L.	Forward, Substitute
CLAY	Forward, Substitute
KING	Forward, Substitute
BREADY, W.	Forward, Substitute
GREENSPAHN, A. H.	Guard, Substitute
TRINKAUS, G.	Guard, Substitute

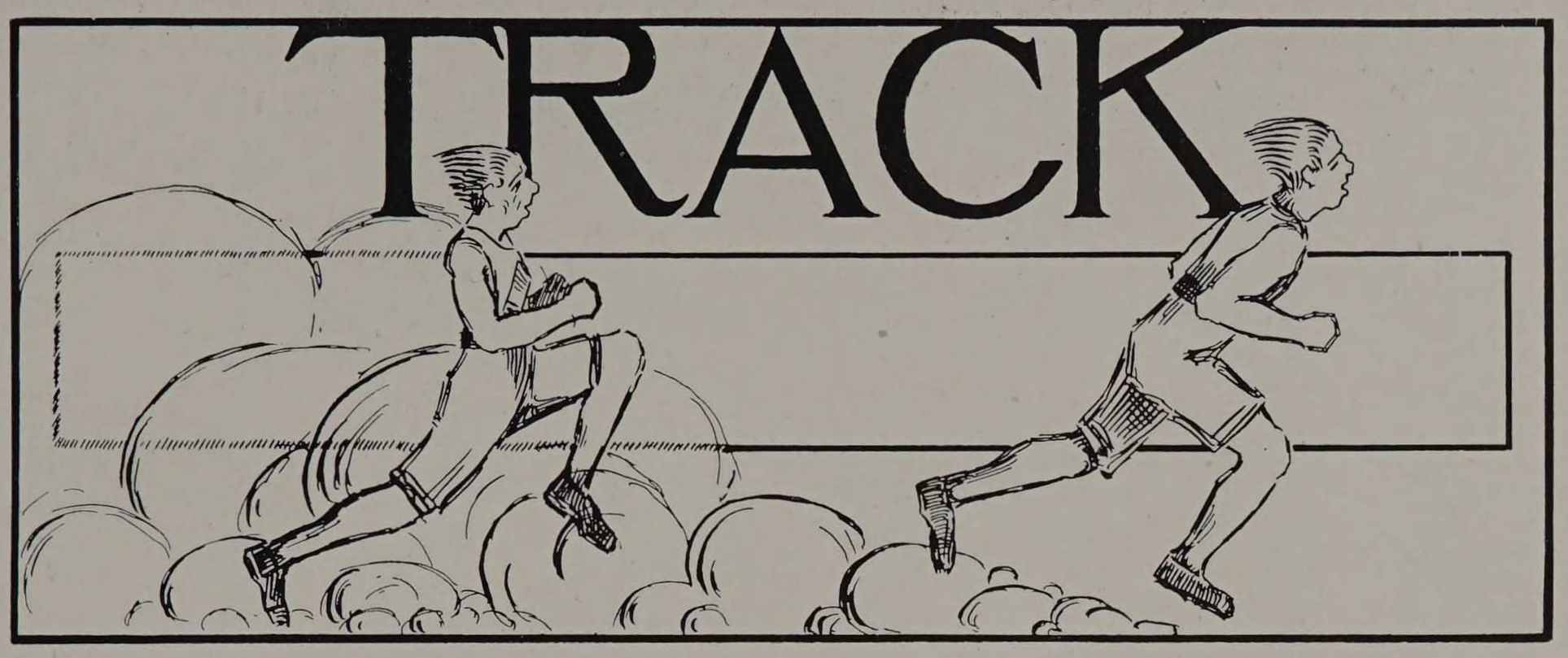
Schedule of Games and Results

Date	College	Score
January 9	—Armour vs. Beloit at Beloit	9–27
January 16	—Armour vs. Northwestern College	21–46
January 23	—Armour vs. Knox at Galesburg	20–21
January 24	—Armour vs. Monmouth at Monmouth	24–19
February 9	—Armour vs. Lake Forest	25–30
February 18	—Armour vs. Lake Forest at Lake Forest	29–15
February 20	—Armour vs. Knox	26–20
February 25	—Armour vs. Beloit	18–22
February 27	—Armour vs. Monmouth	21–14

In the eight regular Conference games played, Armour scored more points than their opponents, but still lost out on the championship. Armour scored a total of 172 points to their opponent's 168. Of these 172 points, 65 were field baskets and 42 were free throws. Of the 42 free throws, Carver dropped in 34 in all. Of the opponents' 168 points, 71 were field baskets and 26 were free throws. The individual scores of the players are as follows:

Player	Total Points	Baskets	Free Throws	Personals
Carver	69	36	33	8
Heritage	32	16	..	14
Lamb	32	16	..	18
Sullivan	19	9	1	8
Katzinger	18	5	8	8
Substitutes	2	1	..	..
	172	83	42	56

TRACK





The second season since the reinstatement of Track Athletics at Armour was the most successful one for the Institute in a great many years, including even those before this branch of athletics was dropped. When the call was given for track, a large squad responded, among whom were discovered a considerable number of stars. John J. Schommer was the coach, and as usual, he made the fellows get out and work for their letters. Between John and his assistant, Andrew Lyden, the team was indeed well managed. Schommer also took charge of the track, and supervised its repair and improvements. We certainly have to hand it to him for his great work in the athletic department of the A. I. T.

After the first call for candidates, the work for the coach began. This was a weeding out process to obtain the best team possible, and the results were a credit to the coach and his assistant. There were four track meets during the season, of which number Armour won two and lost two. The two victories were both at the expense of Northwestern College, one being on Ogden Field, and the other at Naperville. The two defeats were suffered at the hands of Lake Forest, one in that town and one on our own grounds.

The first meet of the season, at Lake Forest, saw Armour come out on the small end of an 83 to 42 score. In the field events, the Tech beat their opponents 29 to 25, but they were weak on the track. The loss of King, one of the best sprinters we have had in the school for years, weakened the team, while the absence of Katzinger from the broad jump and Vanderkieft from the weight events, helped to keep down our scores, but in spite of this, Armour won four first places.

On May 3, the second meet of the year was held at Naperville. Armour won by 70½ to 55½, McKeage scoring 11 points, Sullivan 10, Landis 8½ and Barr 7. The meet developed some new material, in that it showed that McKeage could throw the hammer and that Sexsmith, Landis and Holden knew how to run.

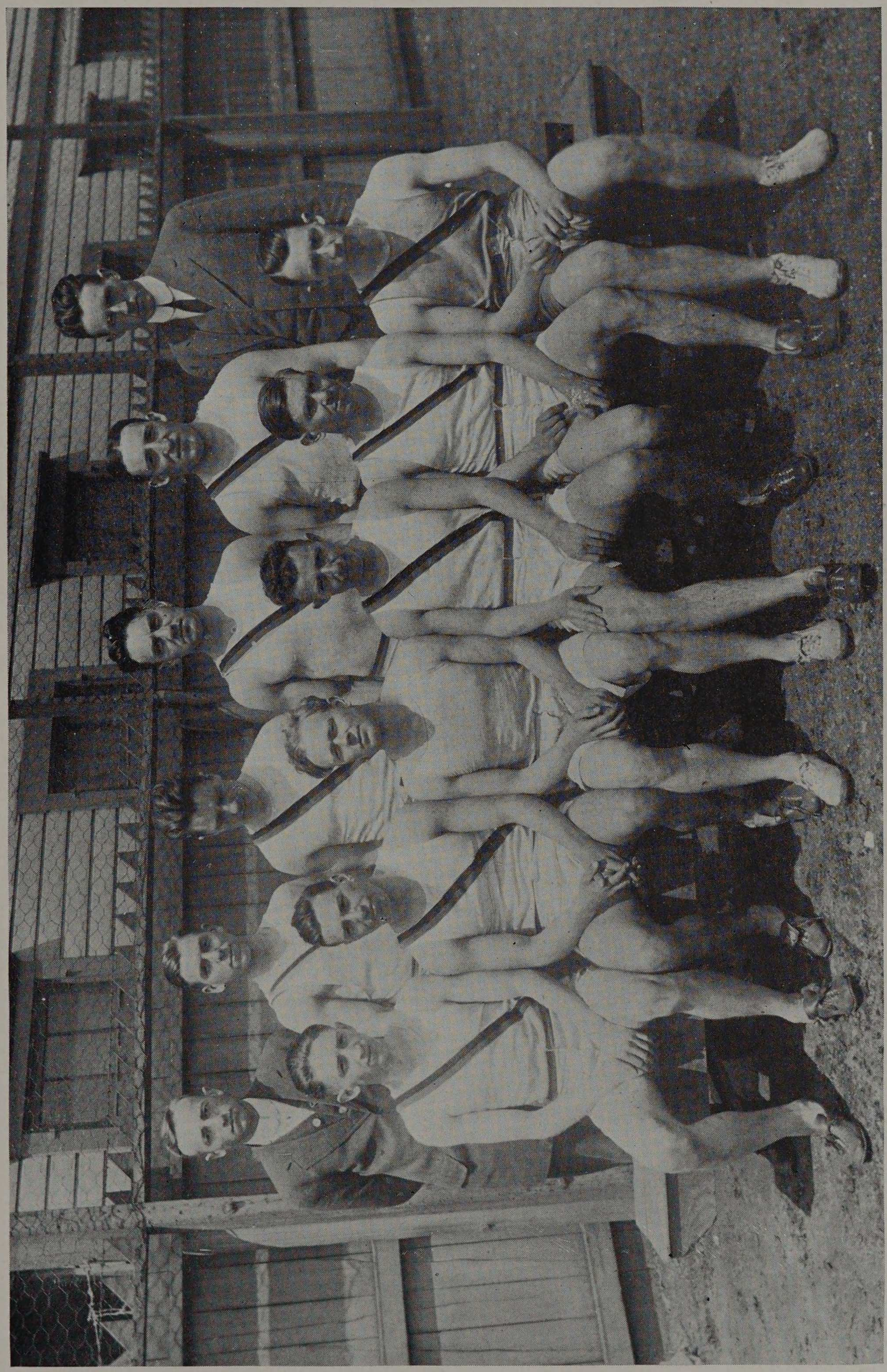
In the third meet of the year, Armour fought it out with Lake Forest on Ogden Field, and went down to defeat by the score of 68½ to 57½. The Tech got five

firsts and five seconds, and the gameness of her boys was certainly splendid. Time and again it looked as though we were beaten in some particular event, when that inevitable never-say-die spirit would rise up in our team and give us the victory. In the broad jump, Katzy showed them all how to hop.

The fourth and last meet, when Naperville invaded Chicago, saw the Tech come off with the heavy end of a 76½ to 49½ score. Alter showed of what stuff he was made by taking a first in the 100 and a second in the 220. Altogether, our athletes got eight first places and eleven seconds, showing a wonderful improvement over the first meet.

The fellows on the team deserve great credit for the way they stuck at their work. In the Little Five Conference meet held at Lake Forest, Armour drew fourth place, with Knox first, Lake Forest second and Beloit third. The Tech team scored three firsts, one second and one third. The winners of first place were Katzinger in the broad jump, Barr in the high jump, and Johnson in the pole vault. McKeage came out second in the hammer throw, and Kopald third in the same event.

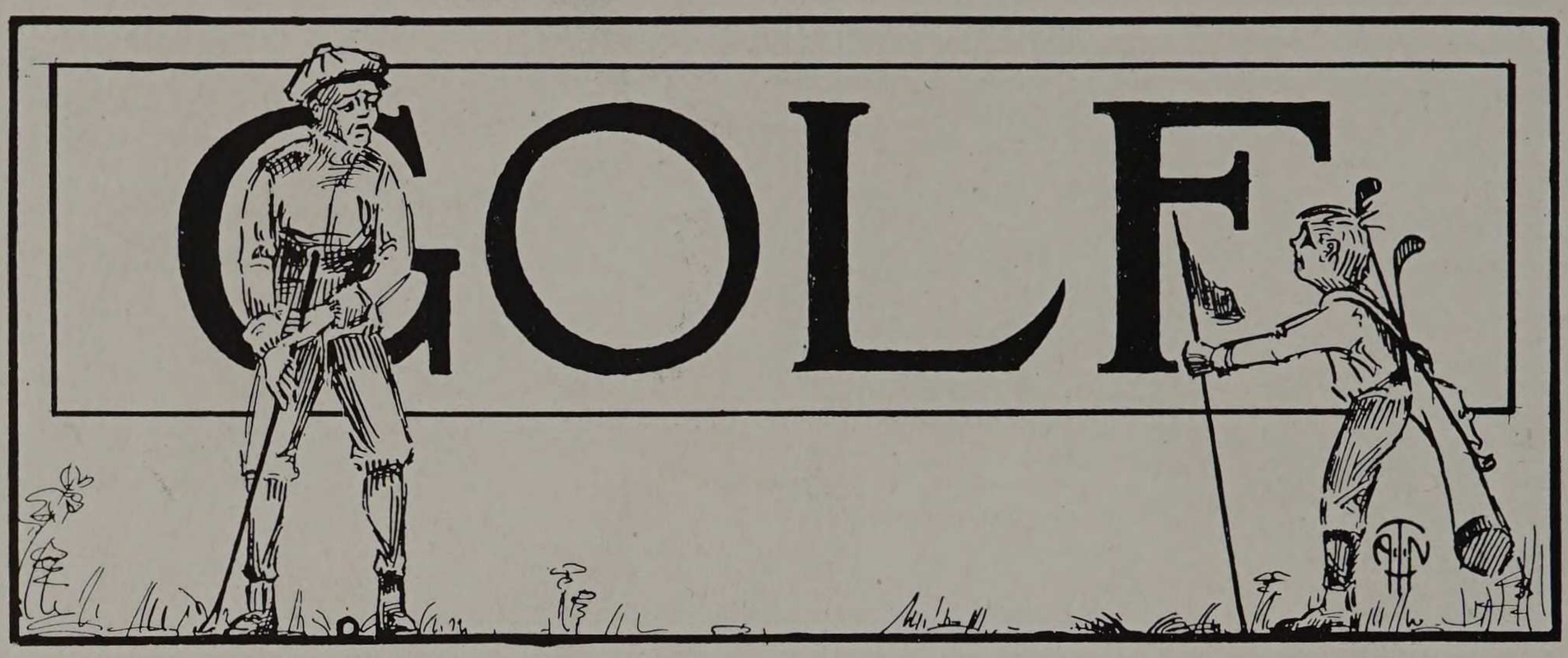




Standing—Coach Lyden, Trinkaus, Sullivan, McKeage, Kopald, Walsh. Sitting—Landis, Katzinger, Vanderkieft, Alter, Somers, Johnson.


ON THE WAY TO WIN A MEET
THE "CIVILS" RELAY TEAM
"A RECORD"
"THE DUEL"


"A FAST HUNDRED"
"THE FINISH"
ARMOUR TECH
LAKE FOREST MEET.
"THE CENTURY"
"THE HURDLES"
E. W. P.

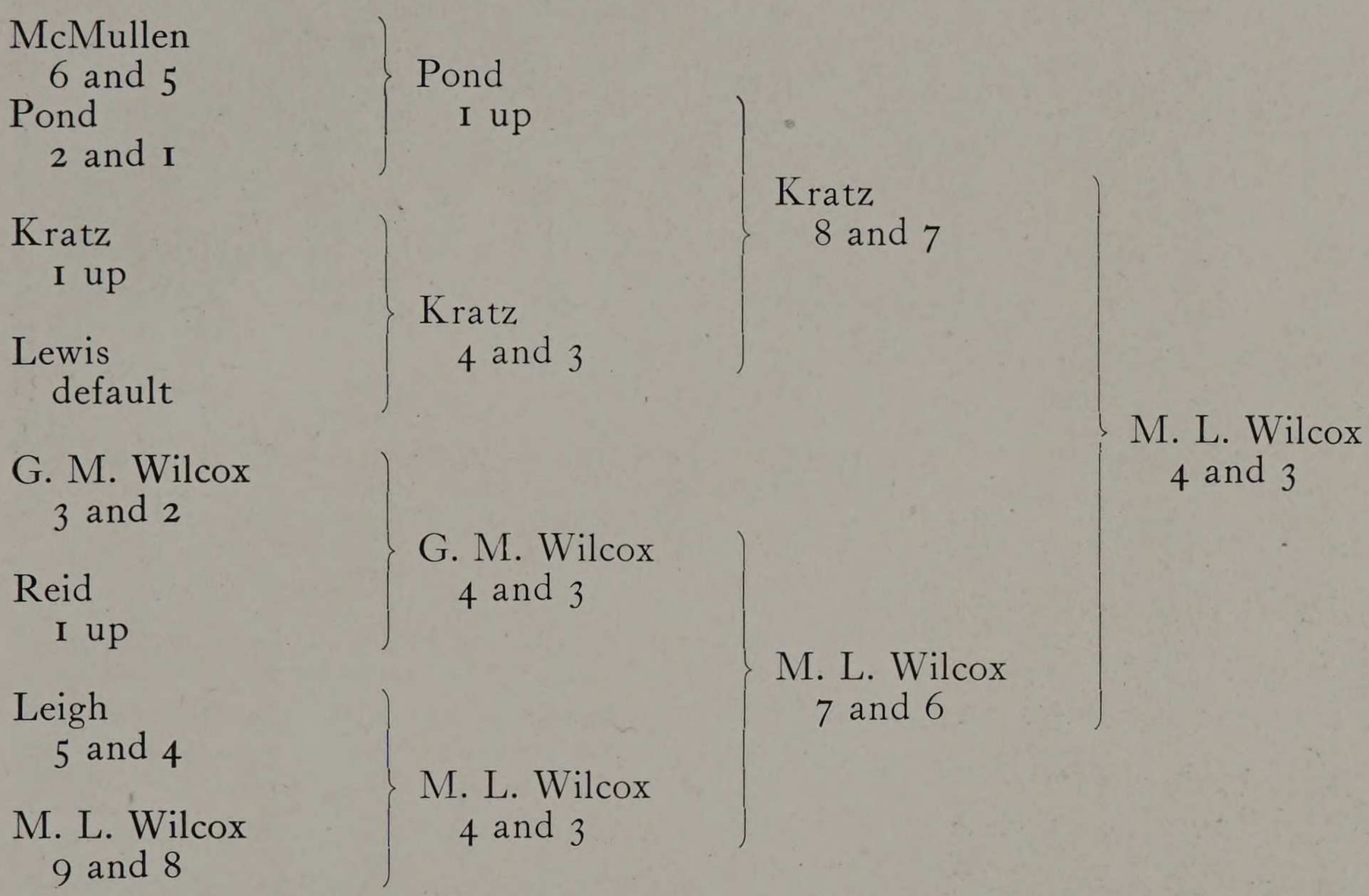




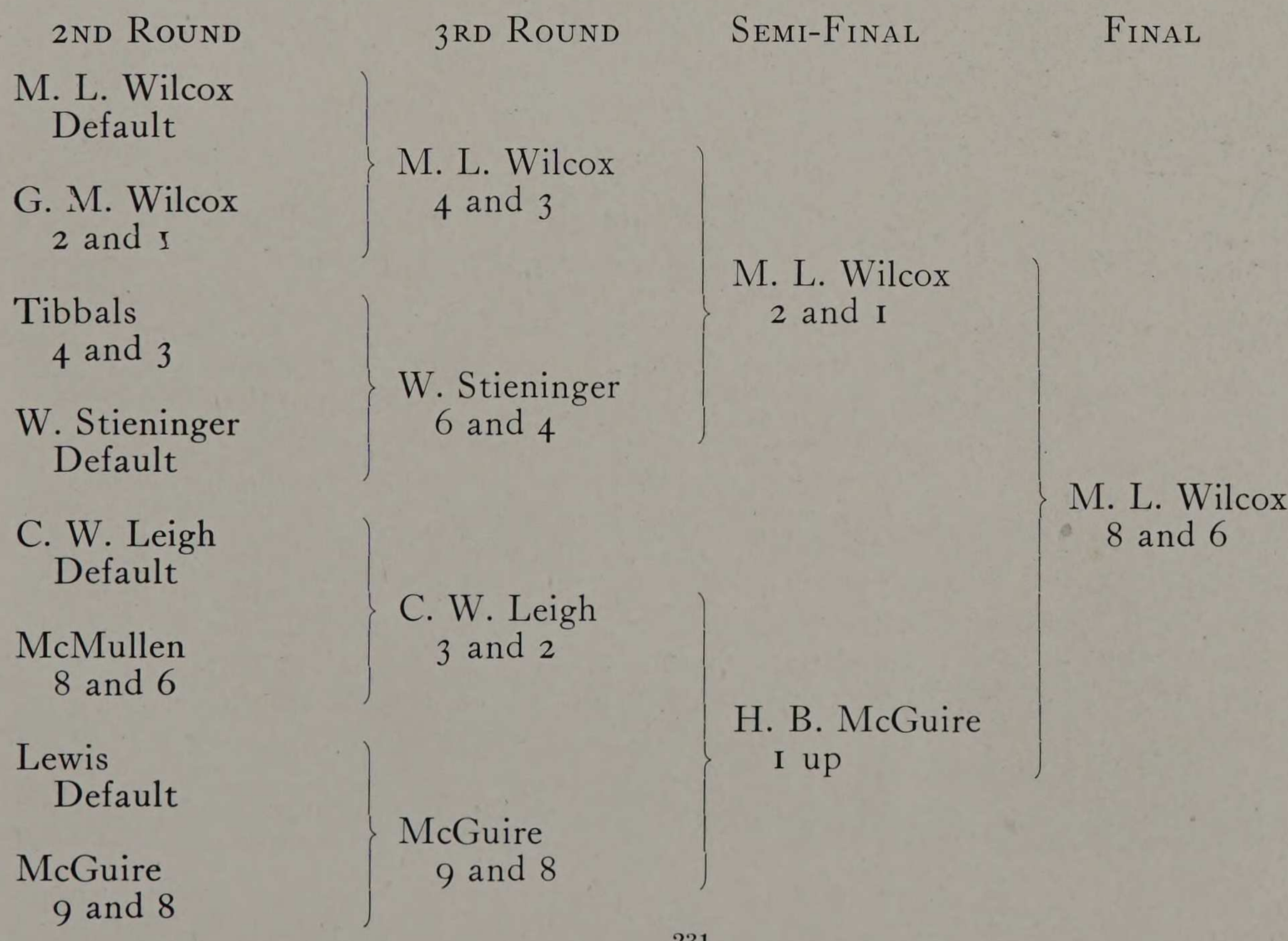
M. V. Wilcox

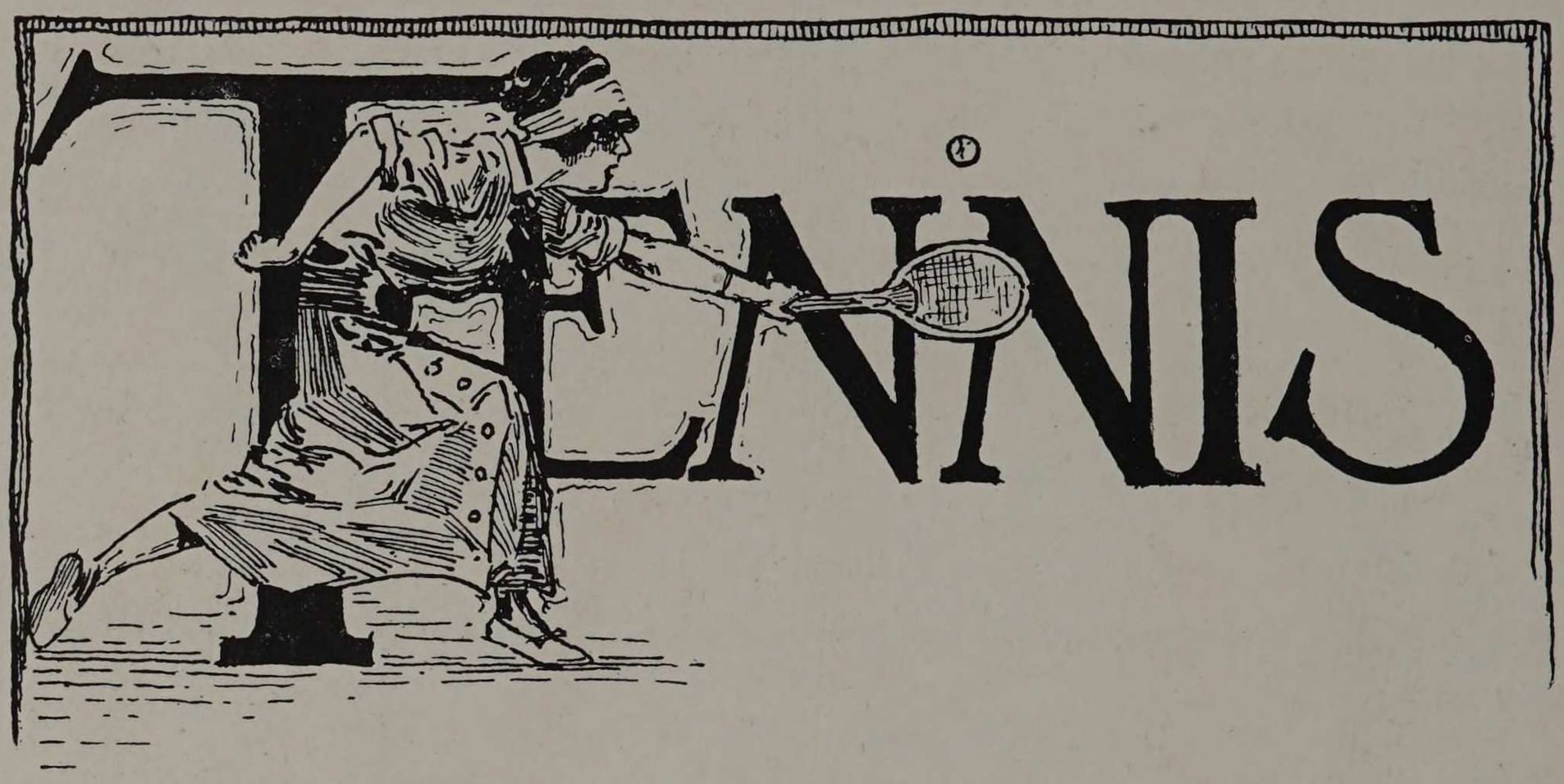
The annual spring and fall golf tournament of the Institute went to M. L. Wilcox. It seemed a walk-away for this sophomore in both of these tournaments, as shown by the list of large scores which he piled up against his adversaries. Such scores as 7 up and 8, 5 up and 6, 4 up and 3, show that Maurice had a splendid time of it. The only sad part throughout the whole series was that our hero of the "irons" had to defeat his dad twice, in order to win his medals. This he did without a murmur and in grand style. By the way, it's not all honor that the winner gets as his spoils, but he receives a gold medal, bearing an inscription stating he is champion of the Armour Institute, and believe us, there is some honor to that. Maurice has two of these Medals already and from present outlook is a fair bidder for a good many more before he leaves us. The tournament of last spring, which was the biggest of the two, dwindled down to Wilcox, Leigh, Stieninger, and McGuire. Wilcox took care of Walter in grand style and McGuire handled Leigh, but he had to be very cautious for fear of a slip, for 1 up don't always insure victory when there are still some holes to play. Wilcox and McGuire fought it out at Jackson Park and Wilcox gave Mac a trimming to the tune of 8 up and 6 to play. By the looks of the last score Maurice proved himself master of the situation. The fall tournament of 1913 was every bit as hard fought as the spring tournament. The contestants were almost the same but not so many in number. Again M. L. had to defeat G. M. in order to "cop," but he seemed to be as equal to the task as he was in the spring. At the start of the semi-finals Kratz, Pond, Wilcox and G. M. Wilcox were left as possibilities for the honors. Maurice defeated his dad and Kratz took care of Pond. This left M. L. Wilcox and E. M. Kratz in the final round. Maurice again proclaimed himself champion of the Institute by defeating Kratz 4 up and 3 to play.

Fall Golf Tournament
of Armour Institute of Technology



Spring Golf Tournament
of Armour Institute of Technology





The annual Tennis Tournament of the school this year was one of the most hotly contested ever held. Carver had the job of managing it and "Bugs" was able. The matches were run on schedule and the numerous array of players dwindled down to Carver, Porges, Prof. McMullen and Arenberg. Carver defeated Porges in the semi-finals and Arenberg defeated McMullen. On account of heavy work towards the end of the tournament, Carver could not play and so the medal went to Arenberg.

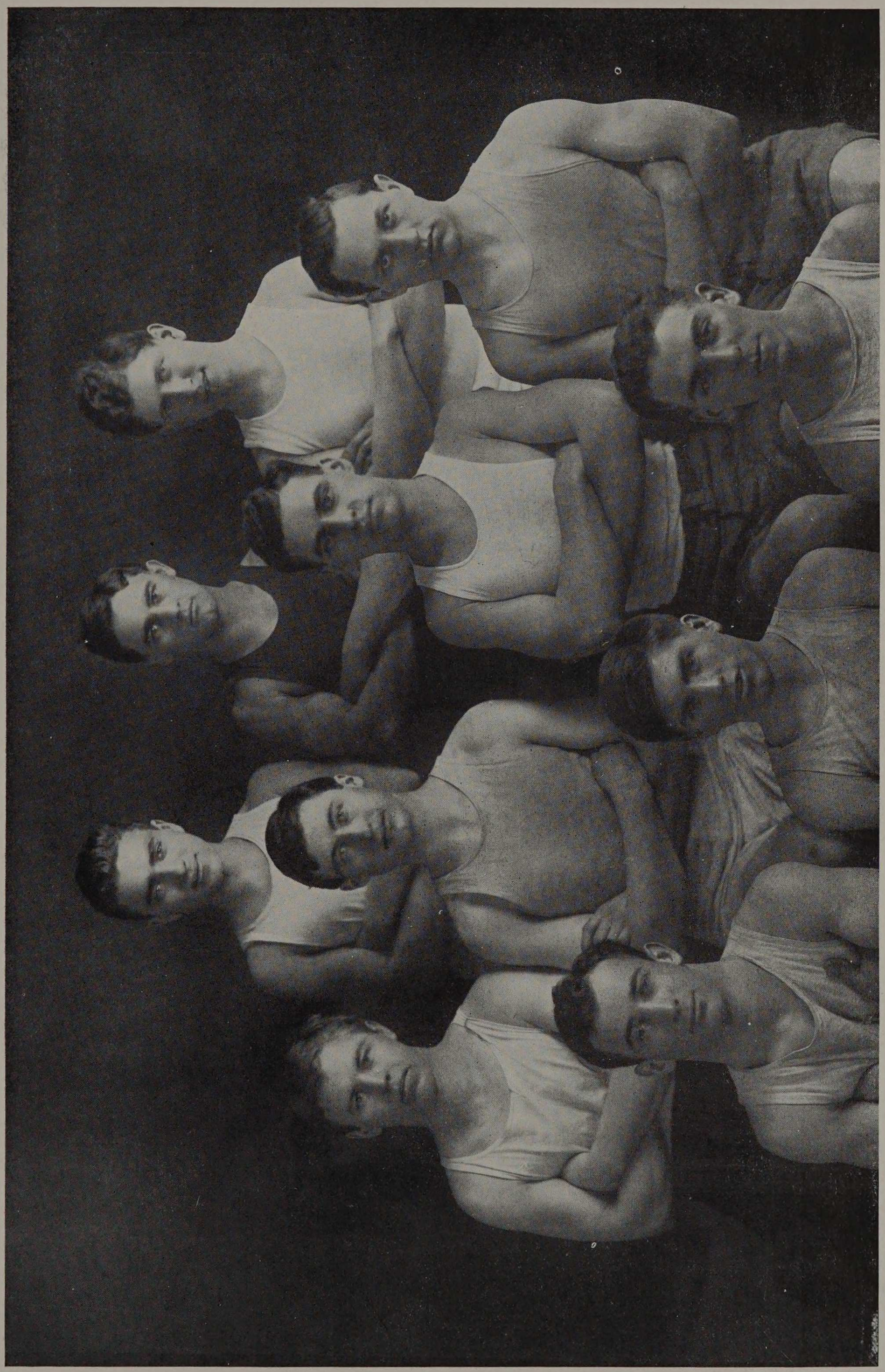
Finals

A. L. Carver
E. D. Porges
} A. L. Carver

E. W. McMullen
A. L. Arenberg
} A. L. Arenberg

} A. L. Arenberg

In the Conference games at Lake Forest, Armour was represented in tennis by Carver, Arenberg, Abrams and Porges.



Top Row—Newmark, Springer, Sparling. Middle Row—Chipman, Sherman, Shaffer, Brewer. Bottom Row—Thal, Mouat, Trinkaus.

Wrestling

Wrestling is becoming one of the leading sports at Armour. Although we have not, as yet, sent out any teams in competition, we have some stars here that could turn the trick. Under the careful instruction of Coach Harry J. Springer, several of the men have developed wonderfully. Harry is always on the job, and his coaching is authoritative, for he is a star in the Chicago Park Wrestlers Association. An opportunity is given to any student of the Tech to enter the class if he desires. Wrestling is a wonderful aid in building up the mind and body. Harry Mouat, one of our men in the 115 pound class, entered the A. A. F. Wrestling Tournament, and came away with a gold medal for first place. This is our first trophy in the wrestling game, Harry, so keep up the good work.

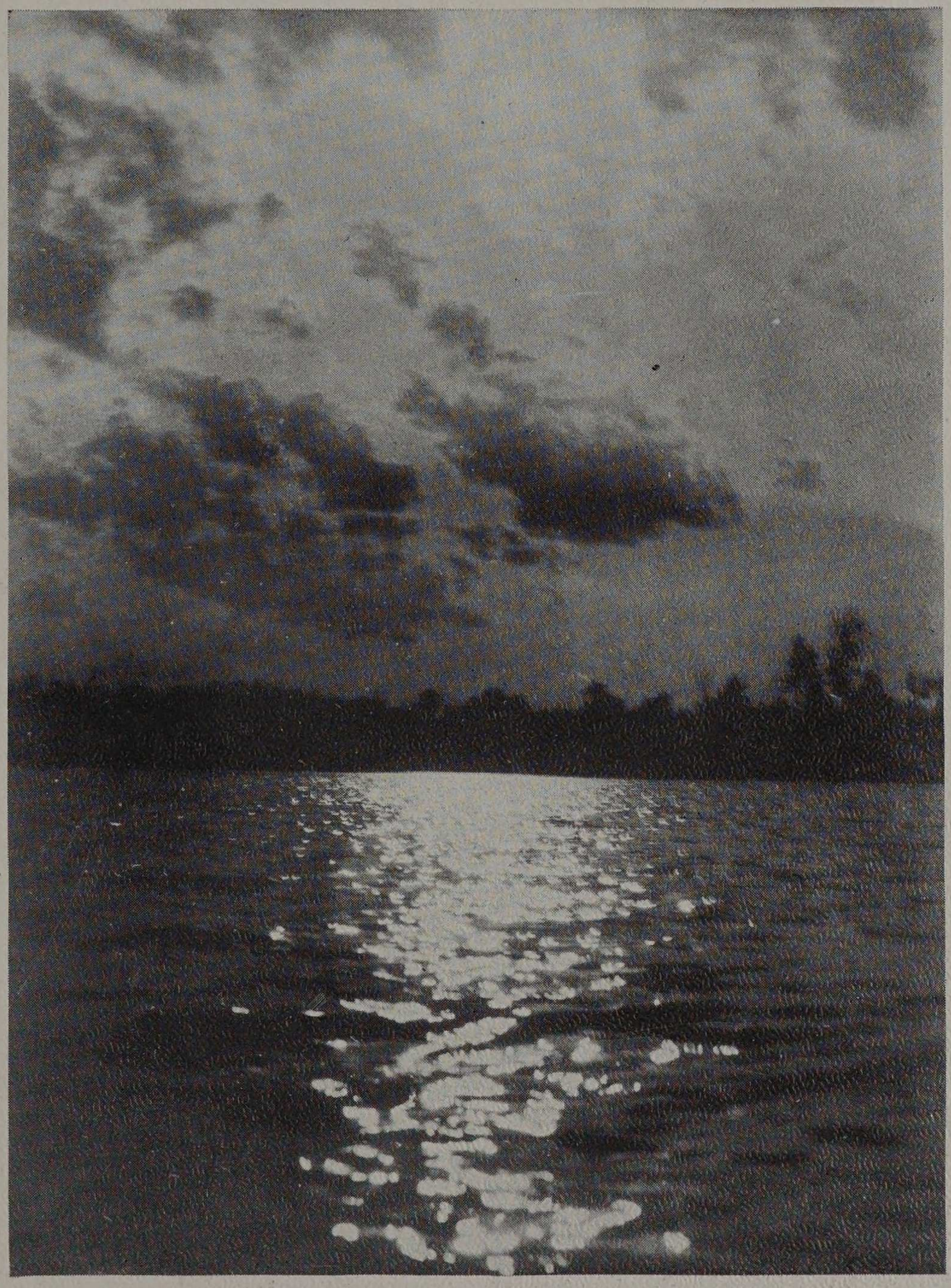
Fencing

During the latter part of last year, and up to the present time this year, the management of the Gymnasium department has been trying to introduce the art of fencing. Several hours have been set aside from the regular periods, for the sole purpose of fencing. Mr. N. C. Moldevaneau has had charge of the class in fencing, and has ably instructed several of the men who have come out. Fencing is a good exercise, and helps to develop the eye as well as quickeness of thought and action. More of the fellows who have one or the other of the periods off, should take advantage of this special privilege.

Chess

In the recent Intercollegiate Chess Tournament of the Middle West, an Armour man came out at the head of the bunch, and tied for first place. He is a Sophomore by the name of Swartz, but that don't make any difference, for we all know that he is some star chess man. In order to win he had to play simultaneously on two boards, and not only that, but had to win seven straight games. He proved himself master of the situation and made a name for himself in College Chess circles.

HUMOR



BOOK SIX

Humor

Humor has been well defined as "A kindly appreciation of the ludicrous." It is to the mind what play is to the muscles, a relaxation and recreation from the serious business of life. We live under a nervous tension and a good laugh serves to restore us to equilibrium. Humor is the safety valve which prevents too great a strain. It develops the habit of cheerfulness and is a great aid to the digestion. There are no better remedies for pessimism than a sense of humor and a good digestion.

The understanding which reveals to us the absurdities and incongruities of life is not simply for amusement. It helps us to bear with a smile hardships, disappointments, and pain. It relieves the dull monotony of hard labor.

To be born without a sense of humor is to suffer one of the greatest deprivations. The lack of this quality of the mind leads one to take himself and his work too seriously and to miss half the joy of living. A man without an appreciation of the humorous is likely to be a bore to his friends and to himself—almost as much of a bore as the would be humorist who is always pestering his friends with stale wit and whose forced jokes lack the effervescent spontaneity which appeals to a true sense of humor.—G. M. Wilcox.

This is from the Pen of the World's Greatest Smith

Humor is an indefinable, intangible, property that varies with the individual and depends on the point of view. From the point of view of the Armour Junior or Senior, the most uproariously humorous event is to fill the elevator to its capacity with fellow-students at the basement landing and watch the disgusted look on a "Prof." as he stares upward at the elevator passing the first floor without even hesitating. Some students think a "Prof's" idea of humor is to ask questions that the student cannot answer, and that it vanishes if the student reverses the process. Some of the humor dispensed by college comedians is very sad, but it is very profitable, they say. Canned humor is the privilege of the instructor of Freshmen. He can warm over his old chestnuts each year to amuse a fresh lot of victims.

Antidote.

More in sorrow than in anger, we confide these pages to your tender mercies. We have tried to hold the mirror to the lighter side of life at Armour, and, prithee, Gentle Reader, be not wroth with us if you see aught that is familiar in them, or, perchance find your name "taken in vain." For remember, Gentle Reader, that ours is indeed a thankless task at best, and anyway, every knock's a boost. For the benefit of those who find that these soft words do not suffice to turn away the wrath that may be kindled in your bosoms, we desire to state that any warm communications addressed to us will be gratefully received at the North Pole Postoffice by passing explorers. Do not trouble to look for us as we intend to get under the biggest feather bed in the furthest corner of the darkest and remotest attic we can find and will not be out for at least a week after this book appears. Any complaints are respectfully referred to the Committee of Cupids consisting of "Shrimp" Mammes (240 lbs. stripped), "Skinny" Oldenburger and "Li'l Arthuh" Moeller (229 lbs. apiece), and "Babe" Summerfield (342¼ in his stocking feet) who will guarantee "satisfaction."

We hereby acknowledge our indebtedness for cartoons and sketches to S. W. Peterson, Arthur Weiman, Ernest Sieck, Howard Vader, Ray Mammes, and Douglas Wood. We are especially grateful to "Eva," alias Everett Gothwaite, for supplying us with poetic effusions and selecting the choice limericks scattered through the department.

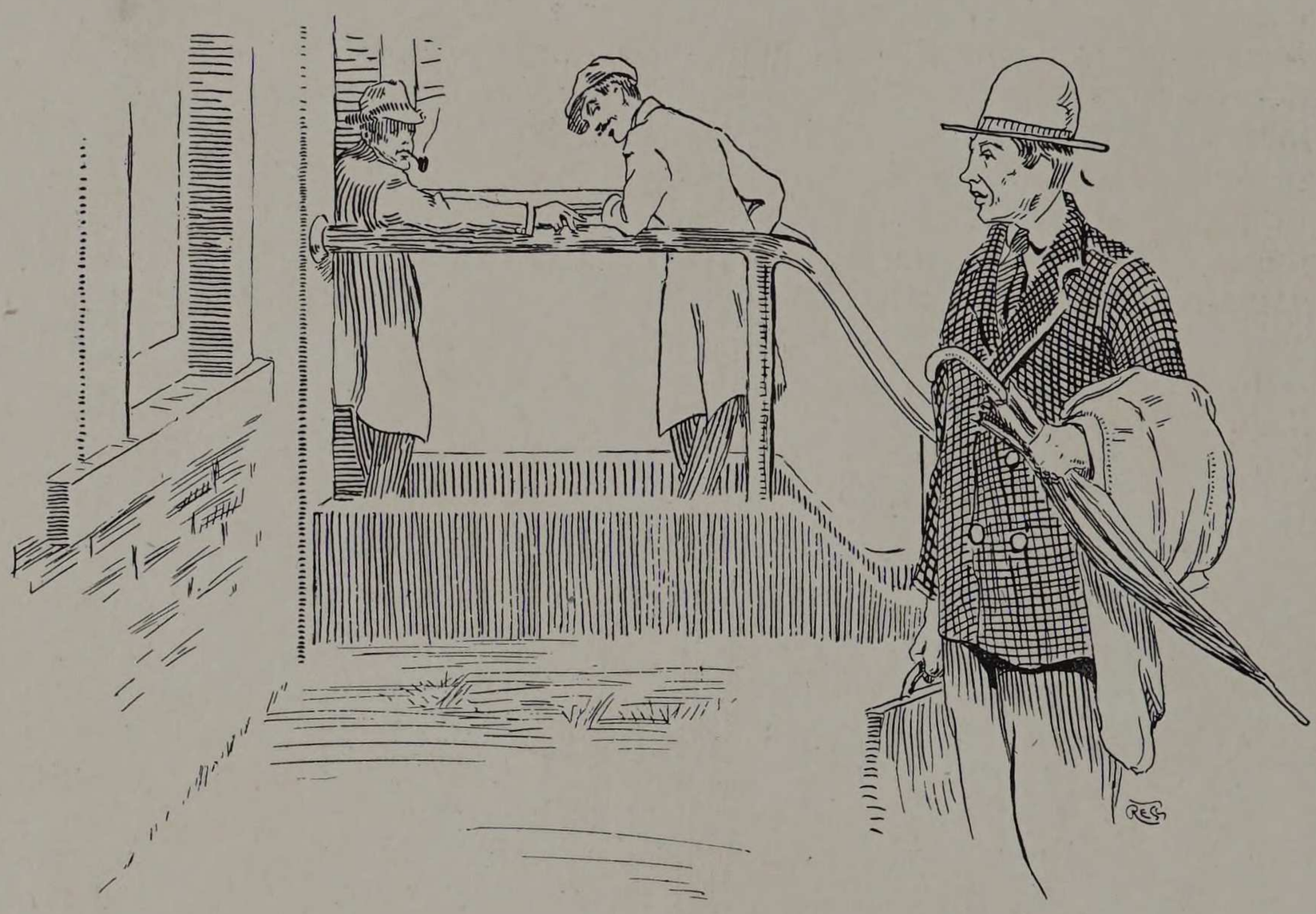
Freshman's Progress

Stride First—It came to pass that the spark of Ambition nestled in the Heart of Archibald, even in the Village of Podunk; and he would be an Engineer.

And it was well.

And the fame of Armour had penetrated far, even unto distant Podunk which is beyond Englewood, many, many leagues.

And Archibald heeded the Voice of Wisdom and hied himself to Armour in the great Village of Chi-Caw-Go, which holds down the shores of Mi-Chigan.



Arch Arrives at Armour

And he planked down his father's hard earned Shekels; for Arch was not a scholarship Student; nay, nay, not Archibald.

And Archibald epistled home for more Shekels, and the High Cost of Living troubled him not.

And he became Arch the Frosh.

Stribe Second—*In which Wondrous Tales Reach the Ears of Arch the Frosh.*

Arch the Frosh was exceeding green, even as the green coats which the fair maidens of the Village of Chi-Caw-Go were wont to wear on the Boul Mich.

And strange Tales reached his ears; Tales of Stormy Waters, and of Dread Scows, and of Deserted Lofts.

And Arch the Frosh, being surpassing verdant, knew not that the tales were of Antiquity; of the Days of Caw-Fien and Cheese, and lo, his Stomach became as Lead while he pondered, and his Pedal Extremities approached Absolute Zero in temperature.

But he remembered the edicts of his stern Parent and he recalled how his Maternal Mentor insisted upon his going out for Fuel after reading Ghost Stories.

And he drew a secret will disposing of his high school class-pin and his likewise Diploma, and sadly fared forth to the Freshman Smoker.

Stride Third—*Arch Goes to the Smoker.*

Lo! It was the night of the Smoker. Arch the Frosh, fortified by his preparations for the worst, and accompanied by similarly verdant Frosh, hied himself to

the scene of the festivities and proceeded to enjoy himself immensely by shouting himself hoarse when ever the mystic number "Umpteen" was heard, or the graceful cheerleader called for the new yells. And he smoked the pipe which had been wished on him, even the cute pipe with the "A" carved on it. And he became sick unto death so that he excused himself and sought privacy, hastily and with one hand on his mouth. But Arch "rose to the occasion" and "came up" smiling when he returned to his seat. For the program of the smoker was only part of the evening. And it came unto an end. And Arch got in line with a vast horde of his fellows. And like a triumphant army they marched southward to the greensward. Here Arch divested himself of superfluous clothing and girded himself for a fray which must surely follow when such deadly enemies as Frosh and Soph meet.

And the battle was on, with Arch in the thick of it. And the blood of Arch coursed merrily through his veins under the stimulus of ungloved hands. And the tales that Arch had heard were forgotten for he was being given a fair chance. Mighty buffets were exchanged. And the tribe of Frosh prevailed over the hordes of the enemy, and they betook themselves to the heart of the village and made merry; yea, almost unto the break of day.



ARCH METAMORPHOSED

STRIDE FOURTH—*Arch in the Tent of Raymond the Dean.*

Now, Arch, being young and possessed of more energy than he cared to use on his studies, occasionally indulged in horseplay of the variety known as "high school stuff." And it came to pass that he once dropped a handful of chalk, white gritty chalk, into the open mouth of Cur, surnamed the Wop, who was dozing for the nonce. And lo the shocked professor, who wot well the value of a stolen snooze, suggested a visit to the Tent of Raymond the Dean. Nothing loth, bold Arch strode forth, accompanied by an explanatory note, and he came unto the Tent of

Raymond the Dean. And Raymond the Dean smiled graciously upon Arch, which made bold Arch but bolder, and he spake unto Raymond the Dean, saying:

"Lo, I have been sent by Gazookus, Professor of Flubdub, and this message sent he also."

And Raymond the Dean read the written words; and the smile lost its graciousness and he let his gaze slowly travel from Archibald's sleek pompadour to the toe of his unpolished boots, and then back to his eyes, which were rapidly losing their bold stare. Then Raymond the Dean spake, witheringly, and with consuming scorn, yet tenderly withal. And Arch wilted, even as doth an uprooted flower under the sun's burning gaze. And he mumbled that he had not done it and that he would never do it again. And he went his way a sadder but wiser Frosh.

"A Prophet is not Without Honor Save in"—Etc.

As the humor editor's brother,
I write this little verse;
I think he's kind o' rotten,—
He couldn't be much worse!
To one who hears it every day,
His wit is hard and dry;
And the funniest thing he ever said
Brought forth a mournful sigh.
I admire you Armour students
But I do not like your taste;
For the space that you've allotted him
To me is just pure waste.
So what you boys should do to him,—
Unless there's something up his sleeve,—
Should far outshine in awfulness,
The massacres at Kiev.
His chances for fame are wobbly,
Like a chicken on a roost;
But I tell just what I think of him,—
'Cause every knock's a boost.

L. S.

Mammes Says "Go as Fas as You Like, You Can't Insult Me!"

He was standing beside Prof. Moreton at one of the basketball games in the gym. During the lull between halves, the Professor turned to him with his characteristic ingenuous smile and asked:

"When you slouch down in your seat as you do in class, Mammes, are you sleeping or just pretending to be asleep?"

A fat man named Hohan McVinner
Was inordinately fond of his dinner.
When begged to reduce,
He replied, "What's the use?"
"I'd have to stop eating to get thinner."

SOME GOOD ONES FROM HERE AND THERE

Squelched

While attending a conference, a speaker began a tirade against universities and education, expressing thankfulness that he had never been corrupted by contact with a college. After proceeding for a few minutes, the chairman interrupted with the question:

"Do I understand that Mr. X—— is thankful for his ignorance?"

"Well, yes," was the answer, "You can put it that way if you like,"

"Well, all I have to say is that Mr. X—— has much to be thankful for."

This Is not an Extract from a Freshman Theme

"You pour a lot of sand into a lot of boxes, and you throw old stovelids and things into a furnace, and then you empty the molten stream into a hole in the sand, and everybody yells and swears. Then you pour it out, and let it cool, and pound it, and then you put it in a thing that bores holes in it. Then you screw it together and paint it, and put steam in it, and it goes splendidly, and they take it to a drafting room and make a blueprint of it.

"But one thing I forgot—they have to make a boiler. One man gets inside and one gets outside, and they pound dreadfully, and they tie it to the other thing and you ought to see it go!"—DESCRIPTION OF BUILDING A LOCOMOTIVE FROM "POWER."

Speed Records Broken

Two Irishmen employed on a man-o'-war, finding things a bit slow one morning, decided to liven them up a bit. So Dennis, instructed by Mike, placed himself astride one of the big guns and held a deck-pail over the muzzle.

"Now," said Dennis, "let her go!"

Whereupon Mike touched her off and she went, sure enough—likewise Dennis and the pail. When the officer in charge came running up, he said: "Michael, what has become of your friend?"

"Oh," said Mike, "he just wint after a pail of water."

"I see, but when is he coming back?"

"Well," answered Mike, "I'm sure I can't tell exactly, but if he comes back as quick as he wint, he'll be back yisterday."—PATHFINDER.

Alike After All

A stunning specimen of the Princeton Tiger was fondly holding the hand of the pretty little Vassar lass, and at last he approached the leading subject courageously. "I have carefully studied the matter from the scientific point of view, and am thoroughly convinced that we are fitted for one another."

"Please explain yourself," said she, looking up at him with her large bright eyes.

"It is simply this," he continued, "according to science, which is the only way to approach the subject. You see, you are light and I am dark. You are short and I am tall. You are small and I am large and powerful. You are sprightly, vivacious; I am somewhat sober and phlegmatic. In short, we are opposites, and opposites should marry."

"Yes," she replied; "but there are exceptions to all rules, and I know of one in this case that is sufficient. I cannot marry you."

"In what respect is this exception made?" he demanded excitedly.

"You see," she smiled up at him again, "you are like me in this: I could never earn my own living." —NEW YORK TRIBUNE.

On Commissary Duty at Summer Camp.



TIME 11:30 P. M.

Wilcox calling to get some eggs and being told by Mr. Woodzecki, the father of the "eggs," that it was time the "eggs" were in bed. Note the "eggs" on the porch?

Waiting for the "Ida May"

It was a calm and peaceful evening in a tent called "Seldom Inn,"
There were pies and cakes and cookies where there hadn't oughta been.
The boys were all atellin' of the things they'd done that day,
You could hear old Trinkaus singing in the "Morgue" 'cross the way.

The "Ida May" had gone to Tomahawk to get the daily mail
And Kiene went along to get a glass of ginger ale.
Penn and Al had gone afishin' to get a mess o' pike,
An' "Lindy" was spielin' tales of which we'd never heard the like.

There was one man at the table and his name was Siedenstrang,
A better man than "Sieder" there wasn't in the gang;
He never hunted trouble but on this particular night,
Someone'd sprung a joke on him and he was spoilin' for a fight.

His corns had been a' achin' from a'brekin' in new shoes,
His "Dolly" hadn't writ him and his heart was filled with blues;
He rose up from the camp chair and a cooky threw away
As he bent his ear to listen for the chug of "Ida May."

Smithy got an inspiration, "Let's play some pitch" he said,
"Before the Ida May comes back and it's time to go to bed."
"You're on," said many voices, and a smile lit Sieder's face;
The cards were brought, the chairs arranged and each man took his place.

Then Kornfeldt did the dealing, he did it mighty slick;
Zeman led the ace of hearts, that gave him the first trick.
He led back the ten o' hearts and Sieder took it with a queen;
"A few like that," said Sieder, "and the game I'll surely clean."

But Sully, the lucky cuss, won at everything he tried,
(A rattlesnake once bit him; they say the pore thing died!)
An' so he took the winning trick and put the game at end
Just as the "Ida May" was heard achuggun' round the bend.

Knuepfer made for the eat-house and Pa Phillips for the sack,
The boys were also on the job "Ida May" to welcome back.
Art Alter drew a long one big enough to fill a book.
Hello, what's this? Why sure enough, a letter for the cook!

Here's a letter from Missouri, I wonder who it's for?
It kind o' seems to me, Gillie, I've seen that scribe before.
A letter for Siedenstrang! I'll be jiggered if it aint!
And if Sieder wa'nt happy, he was far from feeling faint.

The writing looked familiar; 'twas Dolly's without a doubt,
So quickly Sieder opened it and drew the contents out:
'Twas only worthless mining stock some grafter wished to sell,
And it gave the names of many men that for their game had fell!

"May I go for the day" asked the "Dago."
"Why, certainly, Joe; you may go."
So he blew like a rabbit,
That gave him the habit,
And we now at 3:05 say "Good day, Joe."

Definitions (Omitted by Webster.)

Conceited ninny—Any young man who does not fall for the charms of an outrageous flirt.

Simp—A freshman; Comparative, poor simp; Superlative, boob.

Damyankee (obsolete)—A person whose sympathies lie north of the Mason and Dixon line. (It is now recognized as being made up of two separate words one of which is Yankee.)



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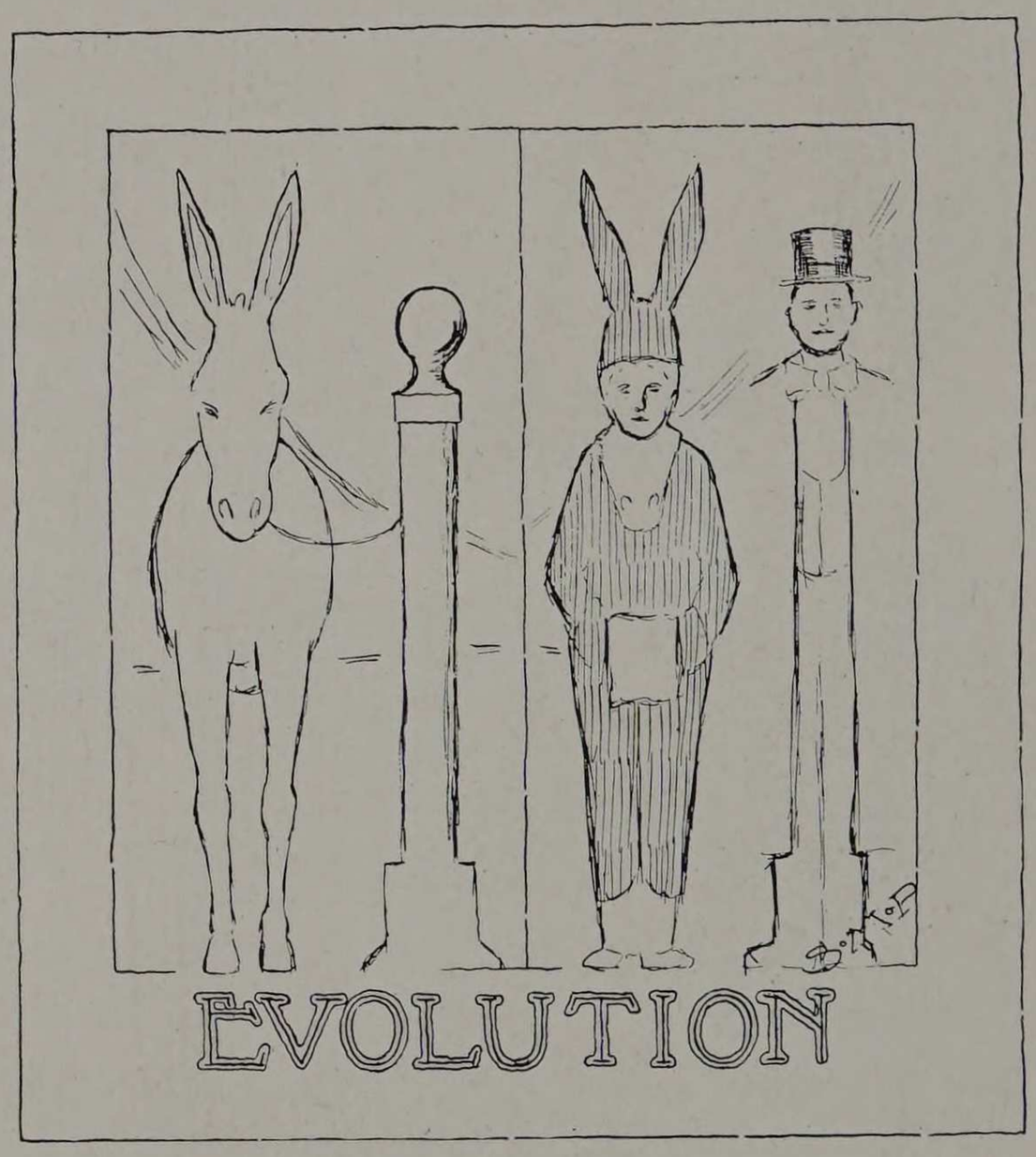


Poor Adamson! Hadn't heard from his "wiff" for a week, so he went back to the weed.

Horrors!

Miesse—I've been studying so much that my brains are beginning to crop out.
Moeller—Is that it? I thought you had forgotten to blow your nose.

After the Assembly.

"The Doc was wrong when he said that war in the future would be noiseless. Those big guns can't be silenced entirely."
"Oh, yes, they can."
"How?"
"Don't shoot 'em."

Procedure in the Case of Laulette vs. Wilson.

Complaint—Wilful and vandalistic damaging of pair of trousers while on the person of the plaintiff, value $3.00.

Attorney for the defense . . . R. Wilson.
Attorney for the plaintiff . . A. N. Grossman, B. S.

The case was opened by a clear statement of the complaint by Prosecuting Attorney Grossman. It seems that Mr. Wilson who has a reputation for being sloppy in his work, was holding in his right hand, on Friday afternoon, 4:22 P. M., a Khieldahl flask, which contained about four hundred cubic centimeters of concentrated sulphuric acid, specific gravity 1.846. The neck of this flask was slimy, and the flask slipped from his grasp, breaking, and spilling the contents upon the floor. The point at which the flask hit the floor was in the second aisle, 4.13264 meters from the slop jar, and on a line four degrees west of the northwest therefrom. This was clearly shown and proven by the physical expert, Prof. Doubt. The attorney declared that Mr. Wilson had tried to clean up the mess he had created by soaking the vitriol in a sponge and throwing the sponge into the slop jar. It was evident, however, continued Attorney Grossman, that Mr. Wilson, in throwing up the sponge, did not observe or notice that Mr. Lauletta was standing between the aforesaid sponge and the aforementioned slop jar. "The result will be proven by witnesses,"concluded Mr. Grossman, amid much clapping from the curious onlookers, who consisted of Mr. Chipman.

Mr. Sieck was called to the witness stand, and sworn in by means of the Chemical Bible (Bradley—Sloughton).

The witness is questioned by Mr. Wilson, as his own attorney.

Q. Did you see the accident? A. Yes.
Q. What kind of pants were they? A. Shoddy type.
Q. What value would you put on them? A. Two bits retail.
Q. What is the cause, in your opinion, of the holes. A. Sulphuric acid or billiard chalk.
Q. Could you swear that the holes were caused by sulphuric acid? A. No.

The witness was turned over to the attorney for the plaintiff.

Q. Could you swear that the holes were not caused by sulphuric acid. A. No
Q. You know that the defendant is a sloppy chemist?

Mr. Wilson objected to the question, but was overruled.

(See Wisc. 1914, 26-64.)

A. He is unquestionably sloppy. So is the plaintiff.

Mr. Grossman hurriedly dismissed the witness. Mr. Chipman next took the stand and was examined by the defense.

Q. You know the plaintiff as a thief and a fence? A. No, sir, I am neither a thief nor a fence.
Q. You have seen him in evil places?
A. I decline to commit myself by answering the question.

Mr. Chipman was evidently an unwilling witness and was dismissed.

The Prosecution called Mr. Diemecke.

Q. Your name? A. Curt Diemecke.
Q. Residence? A. North side.

("Disreputable," observed the defense.)

Q. When did you meet the plaintiff?
A. Three years ago.
Q. Did you see the accident? A. Yes.
Q. When did it happen? A. Monday, 4:22 P. M.
Q. Did the plaintiff call your attention to the fact that his trousers were holy?
A. No.

Q. Have you since had any conversation with my client? A. No.

The defense then cross-questioned the witness.

Q. Do you come from the same great tribe of nomads as the plaintiff? A. No, I do not.
Q. Was I the man who dubbed you Wop?
A. I refuse to recognize the appellation.
Q. Your honor, the man has a grudge against me. I demand that his testimony be thrown out.

The defense recalled Mr. Sieck.

Q. Did the defendant offer you a watch? A. Yes.
Q. The watch was stolen some place?
A. Probably. He never had money enough to buy one.

The plaintiff interrupted, saying, "Although I am a thief and a vagabond, I demand justice and my pound of flesh, which was burned off of me."

The examination of Mr. Sieck continued.
Q. Was the plaintiff facing the desk? A. Yes.
Q. How long was his apron? A. To his knees.
Q. He was negligent in your opinion? A. Yes.

The defense now closed its case.

He showed that Mr. Lauletta had a bad character among the student body, that the plaintiff was negligent in wearing so short an apron, that Mr. Lauletta had placed a value far in advance of the real value of the damaged goods, and that in any case there was much doubt as to the cause of the holes.

Mr. Grossman outlined his case. The flask had unquestionably been dropped. There was the stain on the floor. He had been seen to wipe up the mess with a sponge. That he had not thrown the sponge into the slop jar was amply substantiated by another stain on the floor and numerous small stains in and around the slop jar and on and around the desk of the plaintiff. He rested his case, placing his client at the mercy of the court.

The decision.

The court found for the plaintiff, citing the case of Willie Snow vs. A. I. T. in Illinois, 1912 2-36726-432.

Alas! Alack! poor Willie Snow,
His face we'll see no more;
What Willie took for H_2O,
Was H_2SO_4.

The damages were fixed at 38 cents on the following basis:

Charges of the court	36 cents.
Charges of the attorney	.02 cents.

Both plaintiff and defendant were dissatisfied. The court said that the defendant got off easy and that the plaintiff should have been glad that he did not have to pay for damages to the defendant's reputation.

Reported by Official Court Reporter "EVA."

The Morgue

The contents of the Morgue represent the accumulations of countless aeons of unsolicited literary contributions to the publications of Armour. They were found in the keyless black box that hangs by the elevator on the first floor, and were extracted with the aid of an elementary knowledge of burglary. (Some of the jokes were new when first confided to the secrecy of the box.)

Fresh Thing!

Prof.—Is there anyone here who has not seen a loom?
Student—I haven't, professor.
Prof.—You haven't! Where were you brought up anyway?
Stu.—In an elevator.
(It couldn't have been our elevator because he was only a Soph.)

Poor Trink!

Prof. Campbell (in calculus)—Now what kind of a figure do you get by revolving this curve?
Trinkaus—A doughnut.
Prof. Campbell—"Oh, you've got doughnuts on the brain.

Did You Ever Hear Any of These?

"That makes no ice."
"Go to the head of the class."
"And verce vica, as the old lady says."
"We'll get to that presently, if not sooner."
Yes they're his; the World's Greatest Smith.

Remember When This First Came Out?

The farmer's son came home looking as if a tornado had struck him. His father inquired the cause. The son replied: "It's that durn correspondence school again. I got a letter from the Sophomores tellin' me to haze myself."

The youthful son of an A. I. T. Prof. asked while watching his father preparing cap and gown for President Taft's welcome: "Daddie, is that your bathing suit?"

Prof. Wilcox has a new name for our semi-annual "valentines." Did you get any "lanterns?"

A collection is being made, in the English classes, to purchase a rocking chair for Prof. ..... We are going to get a good one, so save your pennies! (It makes us nervous to see him rocking on two legs of an ordinary chair.)

No Wonder the Prof. Was Peeved

Ward (in Physics recitation)—Dialysis is a method for separating colloids and asteroids.

A Freshsophjunseniman Class Meeting.

Scene—Science Hall.

President—Good-night! here's five minutes of our time gone and we haven't started yet. Order! Order!

Voices in Rear—Two beers! 'Alf and 'Alf! Make mine the same!

President (shouting)—Now that the meeting has come to order, the secretary will please read the minutes of the preceding meeting.

Secretary—Mr. President, I haven't them with me.

Pres.—A motion is in order to dispense with the reading of the minutes. Do I hear such a motion?

Voice—Aw, ferget the minutes.

Pres.—Allthoseinfavorsayayethemotioniscarried. (breath) Is there any old business?

Small Voice in front—We have to elect a representative to the Conference of Student Piffle Peddlers.

Fat Student—Move the president appoint him.

Pres.—Allthoseinfavorsayayethemotioniscarried.

Student with glasses—I rise to a point of order, Mr. President. You neglected to call for discussion on the question. The importance of such a motion and its bearing on parliamentary procedure cannot be overestimated. I—

Pres.—Sit down. You're overruled. Do you think this is a sewing circle? I appoint Mr. Flabberzump as representative to the conference.

Voice—Hurry up, the hour's up. I've got to get to a class across the street.

Nother Voice—Put a little "pep" into it. Dean Monin's outside.

Third Voice—Move we adjourn.

Exeunt all.

Mieczkowski claims a record. Says the steam engine he designed started to run before he finished the tracing. (Investigation showed this to be a fact. The steam engine got wet and ran all over his tracing so that he had to do it over again.)



GETTING "CYCLE" SUBSCRIPTIONS

In Topsyturvytown.

At the edge of an impenetrable fog, my guide and I halted. "Now," he said, "we have reached the borders of Topsyturvytown which you have expressed a desire to see. Do exactly as I do and you will find yourself right side up in Turvyturvytown."

Bidding me observe closely, he stepped back a couple of paces and, with a quick little run, turned what would have been an airspring but for the fact that he disappeared in the fog when he got half way over. For a moment I hesitated, but remembering my duty to the "Cycle," I gathered courage and followed suit. My muscles were tensed to meet the shock of landing but, strangely enough, I felt no jar and my muscles were quite relaxed when I found myself standing beside him with the wall of fog behind us, and a most remarkable city before us. As my eyes became accustomed to the artificial daylight, which I recognized as a product of the Illuminating Engineering students, I began to discern wonderful structures that somehow looked strangely familiar. Straight ahead, down an avenue which had been lined with trees by forestry students, loomed the 1373 foot tower of the cathedral design with which Bischoff had won the architecture prize. Off to the right was a huge palace-like structure which I recognized as Porter's Warehouse problem. It would have seemed out of place in a regular city, but here in Topsyturvytown, it looked quite in accord with its surroundings. Off to the left a large field contained numerous octopus-shaped flying machines. They had been built by the aviation class in direct defiance of the laws of gravitation; but they flew, and the reason they were so successful, as Hahn explained to me a little later, was that their bold defiance had simply bluffed Gravity off the map.

In answer to the amazement that he read in my face, my guide started to explain:

"We are now in Topsyturvytown. In contrast to the way things are in the outerworld, everything here worth while is done by college students. You will find that Armour is not as well represented here as other schools because you folks at Armour are generally too practical for such a place as this. However you will not be lonesome during your stay here. Would you be so kind as to follow me?"

A tone of deference came into his voice as he spoke. I began to feel quite at home and as if I was "some punkins" myself in Topsyturvytown. Boldly I walked up the main street; college presidents and city officials went out of their way to see a college student and to offer him high-salaried positions of public trust. I waved them contemptuously aside, for was I not in Topsyturvytown, where the whole world lay at the feet of a college student? Meeting the mayor of Chicago on the street, I peremptorily bade him show me to the highest authority in the city. He obeyed with alacrity, and led me to the President of the Freshman Class. Here indeed, was an exalted personage! He greeted me with dignity and inquired solicitously after my health. He then ordered a group of corporation heads and U. S. senators to prepare and serve refreshments, which they did with a speed that was remarkable in such corpulent persons.

"How different things are now run from what they used to be," I remarked, thinking of the far off days of grinding and cramming.

"Yes," replied the Frosh President pompously, "the only studying here is done by professors and what we used to call men of affairs, like Crane, Wilson, and Bryan. We teach 'em to respect college students and then make first-class waiters and hod-carriers out of 'em. And the funniest thing I've seen here was a fat old bank president who had to carry his hod up the ladder with his back to the rungs because he had such a large "alderman" he could not reach the ladder when he faced it."

Here the President of the Freshmen burst into an uproarious laugh such as no college student outside of Topsyturvytown was ever permitted to enjoy.

I visited Menke (he used to be the Editor-in-Chief of the "Engineer") who was copy-boy on a large engineering publication, the Editor-in-chief being the well known scientist and mathematician, Thomas Sullivan. The food was manufactured by students in the chemical laboratories and was guaranteed C. P. even if it didn't taste very good. It was rather expensive, too, but a little thing like that made no difference when every student had an unlimited drawing account to pay for experimenting.

I had just descended from an exotic flight through the clouds with Hahn and was standing at the wall of fog thinking of the dreary world without, when I felt myself lifted by the heels and turned upside down. As I started to struggle, I looked around and found myself standing on the side of the wall where my guide and I had first halted.

"Your time was up and you cannot go back," the guide said brusquely, and disappeared. Sadly I trudged back to the "Cycle" office and studies and exams and the old grinding and cramming.

What a nightmare!



'Jever Notice It.

Judging from appearances, the wall seats at the "movies" are superseding the old time parlor sofa as a standby for the lovelorn.

Some Cases of the Halt Leading the Blind.

Matt explaining Junior Electricity to Lister.
Dumke telling Wolfson how to make a billiard shot.
Seeberger giving Broyles pointers on how to start a generator.
Summerfield teaching Ram how to tawngo.
Eva telling Woodrow Wilson how to determine Mg.

Rather Doubt-Ful.

Peterson—Shall I give this proof orally or put it on the board?
Prof. Doubt—Yes.

BR-R-RR-RR.

Sullivan (playing billiards)—Spot up the balls, they're froze.
Obliging Freshman—Shall I tell the janitor to turn on some more heat?

Li'l Arthur—And then the fun'll begin.

Matt—I can see that you know how to dance the tango.
S. W. Anderson—How can you tell?
Matt—You pronounce it "tahngo."

It Might Have Been——Worse.

'Dy'ever notice that "the saddest words of tongue or pen" are made quite cheerful by just adding "worse?"

It Isn't Safe to Compliment Some People.

Frexample, ever since Prof. Marsh told the Junior Chemicals that they had the best attendance record in the school, they've been trying to make up for lost time.

A Warning to Seniors Going Out Into the Cold World.

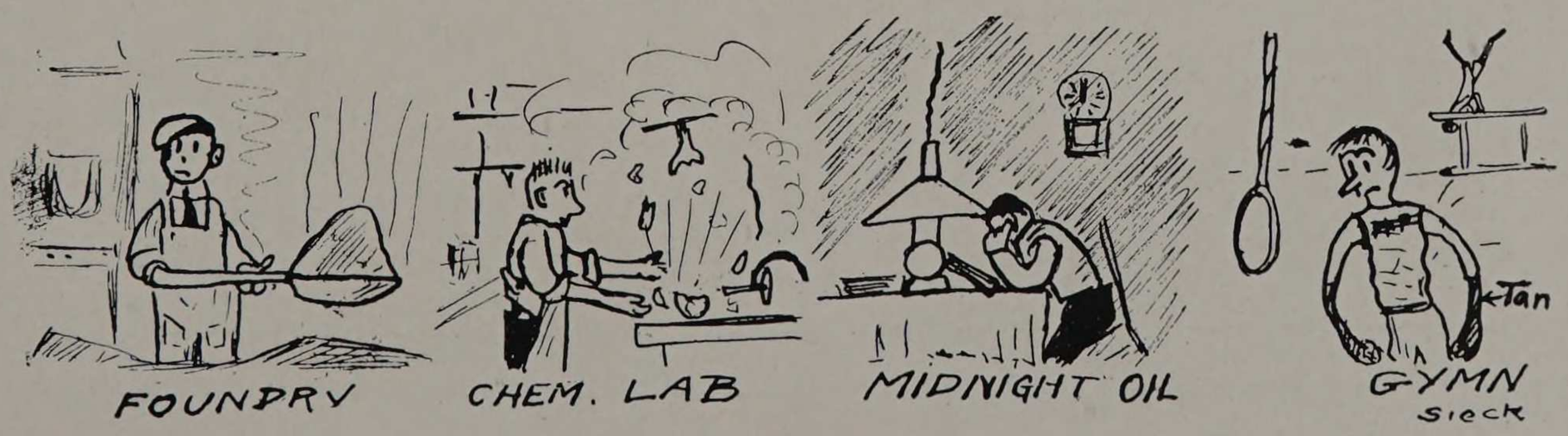
You are likely to run across some well-meaning fellow-employes who will send you after such articles as a plumb-bob for a level, an ohm-sifter, cable-stretcher, left-handed monkey wrench or something similar. The system operates as follows:

First you are sent to the tool room boy on the sixth floor, for, say, a cable stretcher. The toolboy, who has seen boobs like you before, informs you that the chief engineer in the basement has borrowed it, but is probably through with it by now. Very dutifully, you proceed to the engine-room only to learn that the lad from the testing room on the eighth floor has taken it. Etcetera, etcetera.

Now, when you are sent for one of these imaginary articles, don't refuse to go or you will become a "wise guy." Just trot along and make the first two jumps anyway. Let the boys have their little joke.

Prof. Snow's Social Register.

"Step-down " Whitmore.
"Overloaded" Roberts.
"Lamp-rack" Heeren.
"Controller" Vesely.
"Hysteretic" Nelson.
"Sector Method" Paskiewicz.
"Lagging" Bolton.
"Synchronizing" Turner.
"Out of Step" Hoffman.
"Electrostatic" Hupp.
"Split-Pole" Ehrlich.
"Poleface" Burris.
"Wattless component" Oldenburger.
"Illuminated Twins"—Swartz and Cohen.
"Yinerator" Swanson.



Great Mustachio-Raising Contest.

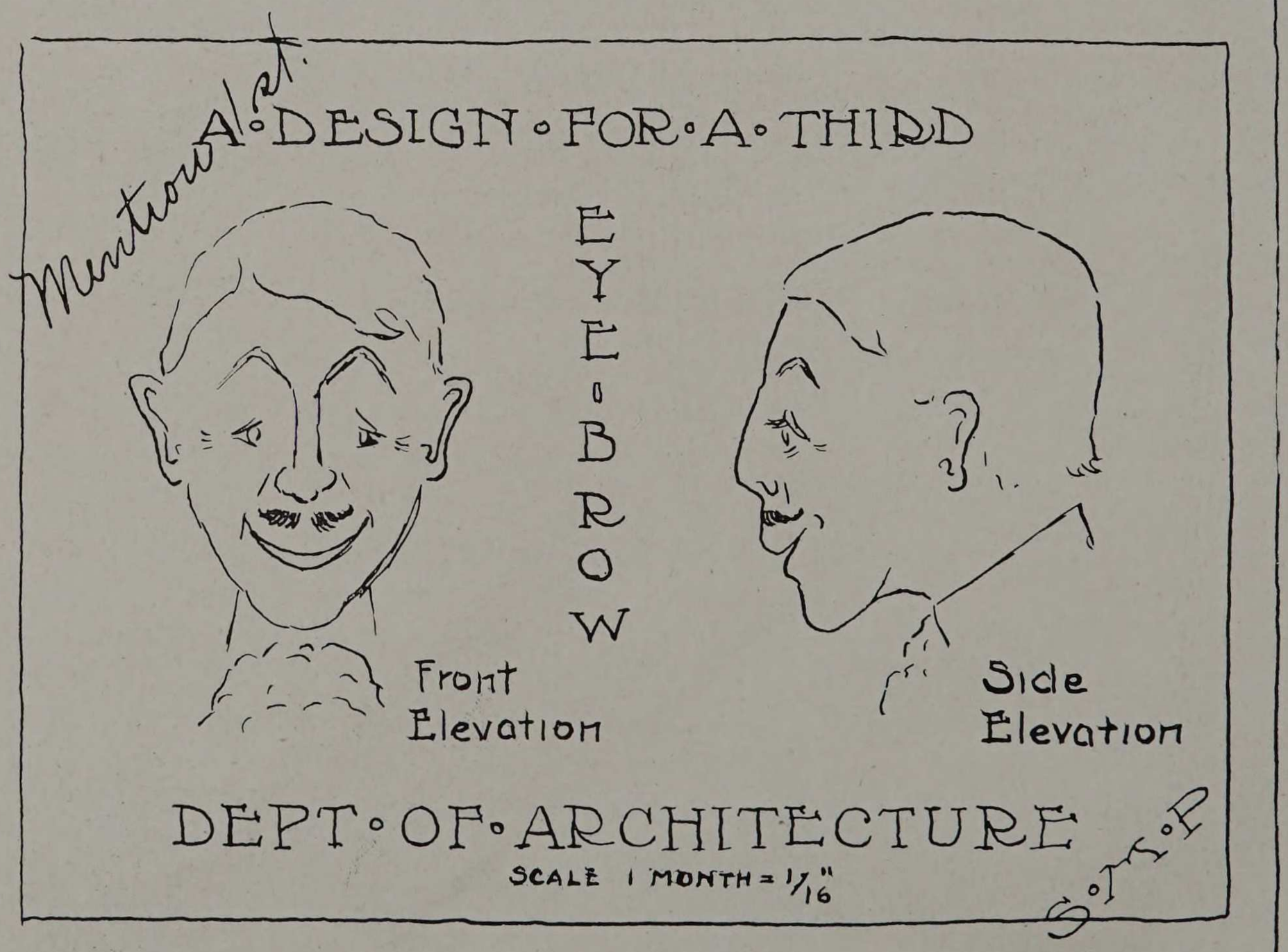
A large and enthusiastic field turned out for the first annual mustachio-raising contest. Mammes took the lead by starting a month before the beginning of the term but he was not called back because the contest was of endurance rather than one against time. Hirsch, Zeldokas, and Roberts were appointed judges of the race on account of their proven ability as foliage producers. Before the start the judges gave the contestants some excellent pointers as to the best fertilizer to use for speed and density, as well as some cutting retorts to make to the jeers of the non-contestants.

Among the entries starting from scratch were the following: Agazim, Gus Heritage, Sevin, Perlstein, Cohen, Shorty Thal, Chubby Zook, LeVally, Rissman, Blouke, Lewis and Pearce.

Agazim found himself still at the post after running a month, so he dropped out. Shakman also ran but wore off the results by too frequent contact with the rim of a glass and other things. In checking the men at the fifth week it was found that Cohen's mus. had blown off in the big wind, and that Gus had succumbed to the jibes of the onlookers and had withdrawn his entry. At the eighth lap the architects had broken onto the track and removed the entries of Lewis and Blouke by force.

The chemicals say that they have the race cinched with the entry of Pearce who has by far the most luxuriant growth of any in the race. Fearful of an attempt to destroy the beautiful brush, they are guarding their entry night and day.

The final results at the end of the semester give Pearce the laurels by an easy half inch. He has developed a most beautiful soup-strainer of a soft wrapping brown paper that is at once the pride and despair of the chemicals. There are some who say he has no sense of humor, but they are only jealous.



The Unhealthy Claim.

Say! you feller! you
With that spade and pick!
What do you 'spose to do
On this side of the crick?
Goin' to tackle this claim?—Well I reckon
You'll let up agin purty quick!

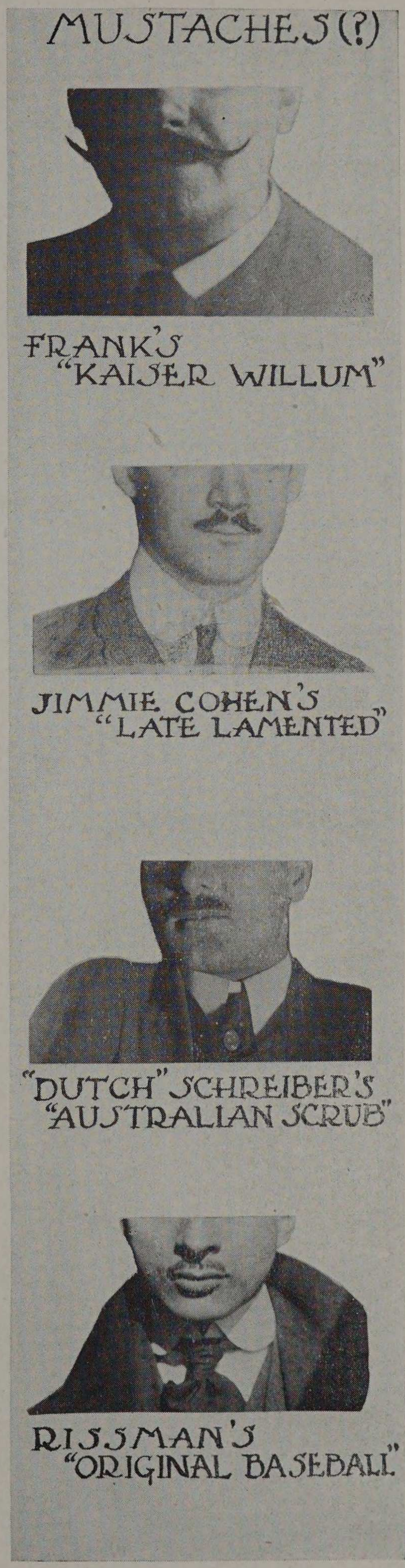
No bluff understand—
But the same has been tried,
And the claim never panned
Or the fellers has lied;
For they tell of a dozen that tried it
And quit most onsatisfied.

The luck's dead agin it!
The first man I see
That stuck a pick in it
Proved that thing to me—
For he sorto took down and got homesick
An' went back where he'd orto be!

Then others they worked it
Some—more or less—
But finally shirked it
In grades of distress.
With an eye out, a jaw or skull busted,
Or some sort o' seriousness.

The last one was plucky—
He wasn't afeerd.
An' bragged he was lucky
An' said that he'd heerd
A heap o' bluff talk an' swore through his beard
He'd work any claim that he keered.

Don't you strike nary lick
With that pick till I'm through;
This feller talked slick
An' as peart-like as you.
An' he says "I'll abide here
As long as I please."
But he didn't——he died here—
And I'm his decease!

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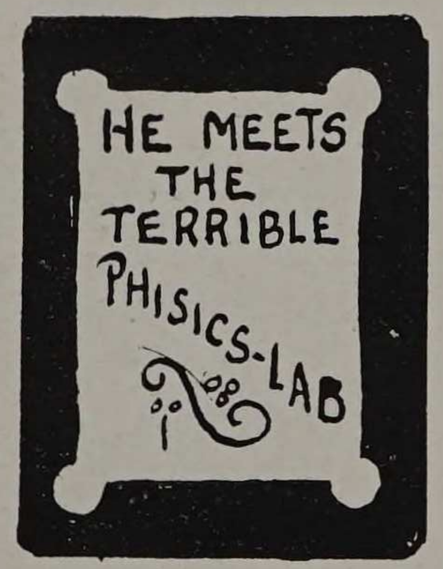
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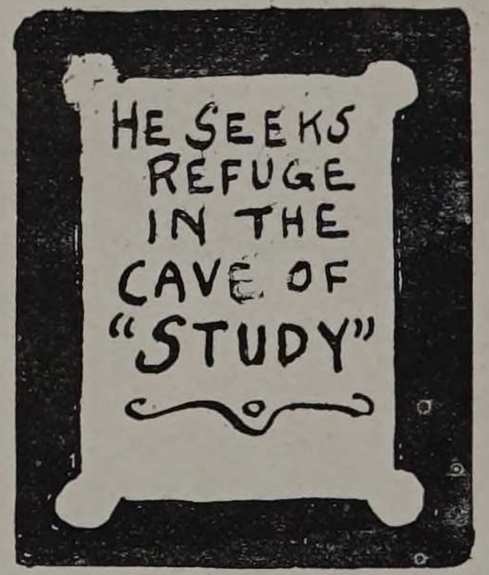
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WORK


"THAT
NIGHT"




OUR HERO
IS NOW
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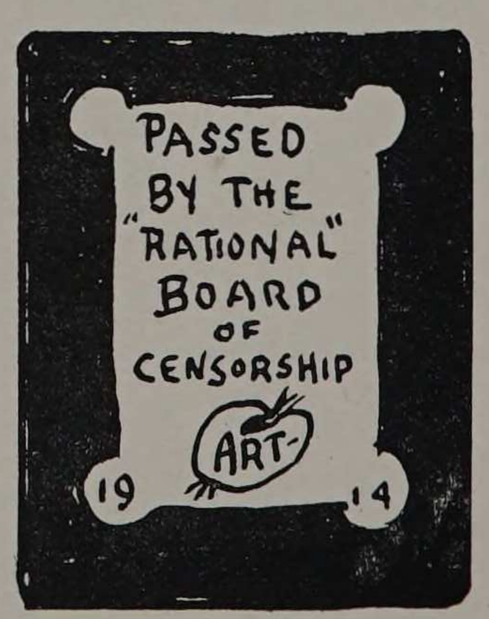
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BY THE
"RATIONAL"
BOARD
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The Spaghettified Ether. Nichols on the Character of the Ether.

"The old idea of a continuous ether pervading all space is no longer generally accepted. The modern theory is that the ether consists of a jumble of squirming tubes like spaghetti."

The only fly in the ointment at the A. I. E. E. banquet where the above was sprung was a strange and irresistable desire to leave the room in the middle of an hour the next day. Some of the victims blamed it on the indigestibility of Nichols "ethereal spaghetti."

Just Hash.

The boy stood on the burning deck
His fleece was white as snow,
He stuck a feather in his hat,
Jo Anderson my Jo.
"Come back, Come back" he cried in grief,
From India's coral strands.
The frost is on the pumpkin
And the village smithy stands.
Ye banks and braes o' bonnie Doon
Across the sands of Dee,
Can you forget that night in June?
My country 'tis of thee.

Madame Hoity-Toity—Quick! Call a doctor! My Fido has bitten a man!
The Victim—That's all right, madame, it's nothing serious.
Madame H.-H.—Nothing serious! Why Fido is on a strict vegetarian diet.

Oh, Mr. Stepanek, How Could You?

Prof. Perry—Step, have you negative or positive lap on your diagram?
Step—I get positive lap.
Prof. Perry—The rest of the fellows get negative; how do you account for that?
Step—Why, I drew mine with my left hand.



A Paleolithic Pursuit

We Were So Tickled that We Forgave Him.

It was near the end of the two week spell of rain and fog that we had about the beginning of December last.

"Whee! Did you hear the news, old man?"

"What? When? Where? Who?"

"Ten o'clock this morning. Hurrah!'

"For heaven's sake tell me about it."

"Chicago had a little Sun!"

Where Will It Stop?

The basketball team is getting gold baseballs for their good work; the basketball team wants gold basketballs for souvenirs; and now some avaricious athletes are trying to start a pushball team.



"Snipe Hunting" at Summer Camp.

Of all the ancient and hoary practical jokes, Snipe hunting is THE ancientest and hoariest. It is with a feeling of deepest humiliation and mortification that we record the perpetration of this venerable hoax on a full grown Armour man,—and Steininger at that. Oh, Steiny! Oh, Tempore! Oh, Mores! That you should have fallen as you did! But listen; it was this way:

They inveigled him into a peach of a hole in a lallapaloosa of a swamp to hold the bag while they drove the voracious but startled snipe into the trap. And to protect him from the fierce struggles of the desperate birds or reptiles, or amphibians, or whatever kind of monster a snipe is, they thoughtfully provided him with a stout club to lay low the unconquerable snipe. It is recorded that he returned to camp at 5 A. M. with an empty bag! And was bawled out in good shape when the other nimrods awoke. However he went out a second time, hoping for better luck, without getting wise! And not only that but,—he was ready to go a third time!!

The moral of this tale is this: The days of simple faith are not over.

Simmons—The figure is in the shape of a cube.

Rook—A square cube?

A certain young preacher named Beecher,
Said the hen was a wonderful creature,
The hen upon that,
Laid an egg in his hat,
And thus did the Henry Ward Beecher.

It Would Us if We Had One.

Doesn't it make you feel cheap to have your best girl call you "Dear" in front of a crowd of strange people.

It's All in the Point of View.

It certainly is queer what a difference the point of view makes. No persons of average dimensions will deny that the sight of a rotund gentleman being precipitated to a position of stable equilibrium is a mirth-provoking spectacle; some go so far as to find it a source of side-splitting laughter; and others find tears of joy welling to their orbs under such circumstances. And yet it is quite possible that the aforementioned corpulent party may see a darkly serious side to such a trivial thing as a bursted pair of galluses, or a broken leg.

Mexican Athletics have attained a high degree of popularity during the past year. Notable among those qualifying for the degree of B. S. in this branch of our activities are:

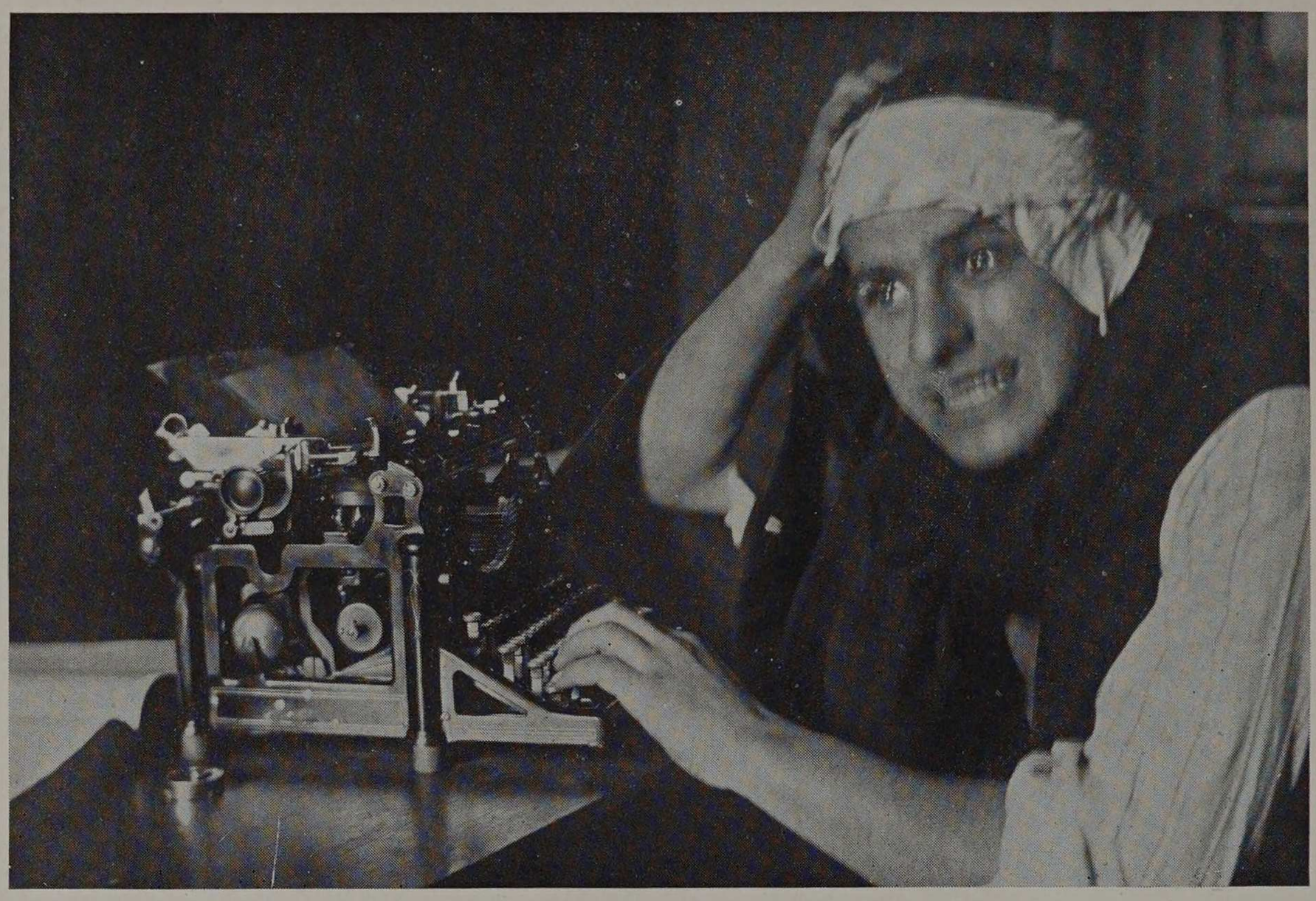
Oldenberg,
Finklestein,
"Duke" Cooban,
Grossman,
Sullivan (Tom)
Sullivan (Joe)
Alter,
De Las Casas.

There were no honorary degrees conferred.

"I Ama Pappa."

Newly elected members of the "I Ama Pappa"
Prof. Tibbals,
Louis Hirsch.





HUMOR EDITOR TRYING TO THINK OF SOMETHING FUNNY

Couldn't Say "Garters."

The Sweet Young Thing entered the department store and after glancing around, in a helpless way for a few minutes, approached the floorwalker.

"What can we do for you, miss?" asked the floorwalker.

The Sweet Young Thing blushed and then replied:

"Where can I find those elastic bands capable of being elongated and put around the lower extremities of the locomotive members to keep the proper position and the required altitude for the habiliments of the tibias?"

Just ten minutes later, strong men led the floorwalker away, a raving maniac.

—J. S. K. '17.

Commendable Frankness.

Prof. Wilcox—I have asked you to bring notes on the chapters you were weak in. Have any of you done so?

Lister—I brought my book along.

Irrelavant, Irritating, Inanities.

"Where are you going tonight after you get shaved?"

"Does your dog eat mush?"

"Have you done your math problems for today?"

As money makers, Architects
Have Authors on the go,
For, per "column," they get bigger pay
For each "story" don't you know.—H. C. Jr. '17.

Mr. Alling (to Goetz coming in late)—What's the matter, Mr. Goetz, can't you get around as early as the other Goetz gets here?



A Foursome on the Brunswick "Baby Grand"

Home Billiards

The Game Without an Objection

A thousand breathless situations—the tide of battle ever changing—this is Billiards and Pocket-Billiards. It routs dull care like magic—and brain fag with it. The game that acts as a tonic. And co-eds "go in" for its thrilling delights as heartily as their beaux and brothers. Now parents everywhere encourage it. —especially when played at home.

Superb Brunswick Baby Grand Billiard or Pocket-Billiard Table

The table that put Billiards in church houses and homes. And also put the price of this pastime in reach of all with modest incomes.

The Brunswick "Baby Grand" is a masterpiece in Mahogany. Fitted with a genuine Slate Bed, the celebrated Monarch Quick-Acting Cushions and Accessory Drawer to hold entire playing equipment.

Sizes 3x6, 3½x7, 4x8. Furnished as a Carom, Pocket-billiard or Combination Carom and Pocket-Billiard Table.

Brunswick "Convertible" styles serve as Dining Tables, Library Tables or Davenports when not in use for billiard playing.

A Year to Pay
Playing Outfit Free

We offer these beautiful tables at very moderate prices, and on wonderfully attractive terms, as low as 20 cents a day. A year to pay if desired.

Complete Playing Outfit goes with table, including Cues, Balls, Bridge, Rack, Markers, Chalk, Cover, Billiard Brush, Book on "How to Play," etc.

Send for Free Book

The De Luxe Book, "Billiards–The Home Magnet" shows these superb tables in actual colors. Gives descriptions, prices, easy terms, etc. Write for it.

The Brunswick-Balke-Collender Co.

Dept. V. S. —623–633 S. Wabash Ave. CHICAGO

"No wonder I've been hoodooed, lost every game tonight,
With this here little shadow standing 'twixt me and the light."
He took out Dolly's picture and gazed at her sweet face,
Then tucked it under the pillow—and his snores rang through the place.

Editor's Note—W. L. G., '15, who admits that he wrote the foregoing and calls it a "poem," informs us that it is based on incidents at last year's Civil Surveying Camp. He hastens on to state that the story is greatly exaggerated but we have our doubts. Incidentally he offers his most humble apologies to the unfortunate victim of the story, Mr. Siedenstrang.

Add This to Your List of Famous Bonehead Plays

She was one of the nicest little girls you ever want to meet; he was one of these boobs that is always going off half-cocked, jumping at conclusions and making life miserable for those who are in any way dependent on his actions. Why she should consent to go to the architects' play with him is one of life's little unsolved mysteries and will probably remain so, but she did, and he wrote her a nice little note reminding her of the engagement. Wednesday night came around, as it usually does, and he rang the doorbell with all the assurance of a regular caller, although he had never called on her before. She was quite ready, didn't keep him waiting a minute, and they reached the Art Institute in plenty of time for the opening of the first act—did we say plenty of time?—it was much more than plenty of time. The hall was still dark and as the poor boob took out his tickets, he could just read the date on it in the dim glow of the solitary light above the entrance. A sickening fear clutched at his heart as he read, "Wed., Feb. 11, '14." They were a week early.

Question: Did He Hit It?

Headline in the Chicago Daily News, Dec. 23, 1913.
"Ex-Alderman Charles Alling shot at desk."

Doc Campbell Wants to Know.

If sickness is the only legitimate excuse for absence, does "Junior Weak" come in as a legitimate excuse.

"Life is just one derned quiz after another" says the poor student.



Some Y. M. C. A. Smiles

"Vigorous in thought, chaste in style, persuasive in appeal."—Western Recorder
"Stimulating, virile, uplifting."—HERALD & PRESBYTER of Chicago

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—Chicago Record Herald

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—Cumberland Presbyterian.

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Ode to Kelly.

The day was warm,
The park was cool;
Did the student go right on to school?
He did.
Like Kelly Did.
"You are the first I ever loved,
None other will I ever love, forsooth."
Did the lover speak nought but the truth?
He did.
Like Kelly Did.
"Curse you Jack Dalton,
I'll win her yet,"
Did the villain win out on that bet?
He did.
Like Kelly Did.

An Electrical Quiz for Chemicals.

1. What is a commutator?
A. A man who lives in Bryn Mawr.
2. What is an armature?
A. A young athlete who doesn't play for money.
3. Define the watt.
A. What?
4. Give the relation between the volt, ohm, and ampere.
A. The volt married the ampere's second cousin making the ohm a distant relative by marriage to both of them.
5. Describe the negative ion.
A. (Didn't you leave the "r" out, Prof?) An iron is a buck, a rock, a dollar note. A negative iron occurs when you are in the hole, as in my case at present.
6. What is a polyphase winding?
A. The way a fella comes home after "ten nights in a barroom."
7. Define hysteresis.
A. That's the way a fella feels after piping Grossman hobbling around with that cane of his.
8. Give the uses of a battery.
A. There are always two used in a big series. The umpires pronounce it batt'ries.
9. Current
A. Fruit resembling a loganberry.
10. Brushes?
A. Small machines; chief competitors of the Ford.

"EVA."

Throw a Bluff; The Bluffer's Philosophy.

If you start out in a huff,
Can't deliver the right stuff,
Don't you dare to make a muff,
Throw a bluff; throw a bluff.
An ex. finds you in a slough,
Naught avails your bescribbled cuff
Forget you feel a sickly buff,
Throw a bluff; throw a bluff.

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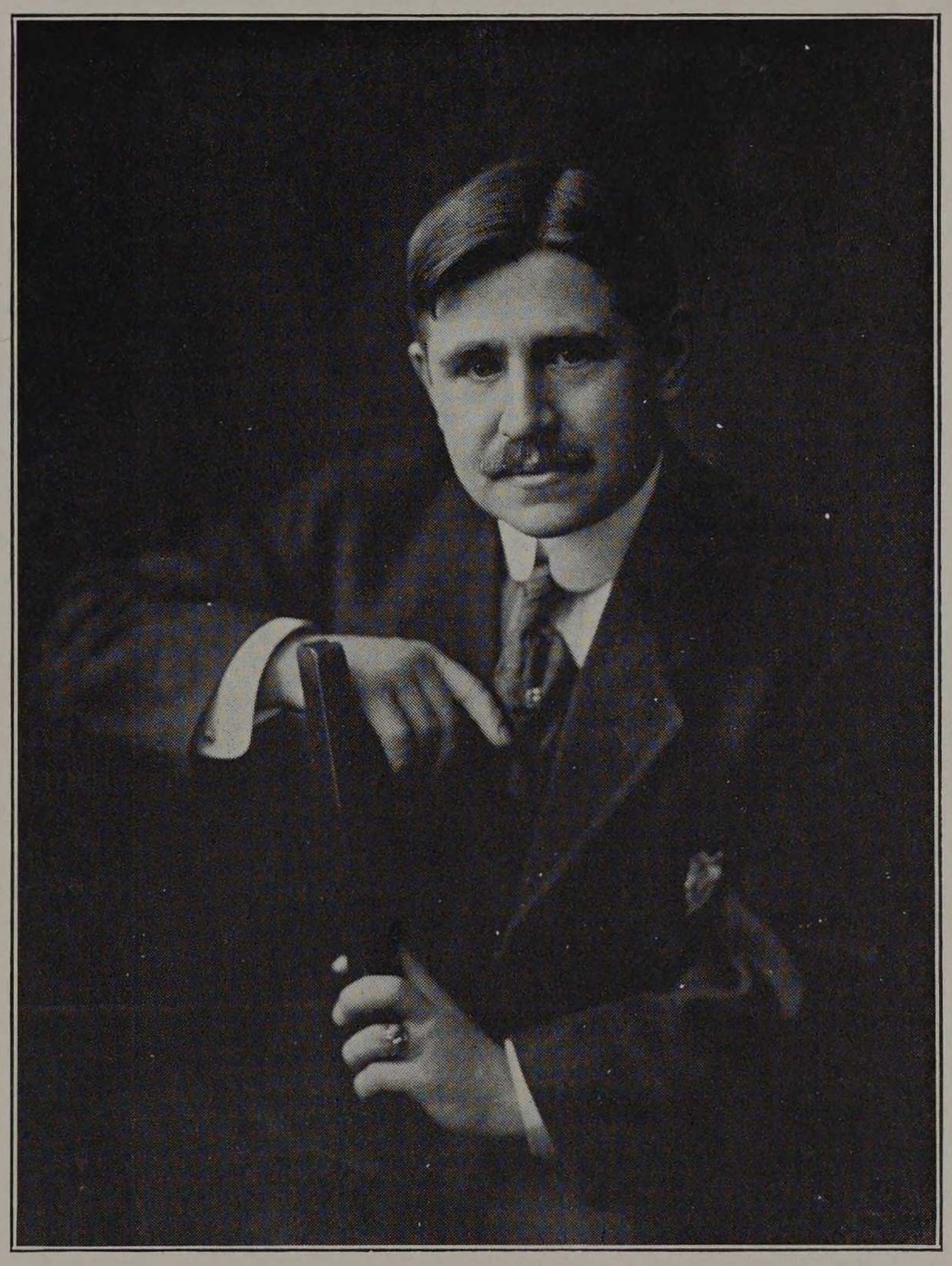

May he hope to remain in that capacity to you and your friends — after College days are over.

Most courteously,

WM. LOUIS KOEHNE

104 So. Michigan Avenue, cor. Monroe St.

"Armour's Star"



"THE SLAM WHAT AM"

There was an old lady of Lincoln
Who said, "Now to my way of thincoln
The horse is the best
He has long stood the test,
And these gasoline autos are stincoln.

Well! Well! Well!

"An unusual thing happened on the train coming from Masonville. A woman gave birth to a child and they stopped the train for twenty-five minutes."

"Oh, that isn't so very unusual. I was delayed half an hour on a train last week on a similar occasion; the cowcatcher had a calf."

The Dowager Duke of Buccleugh,
Was famous for his Irish steugh.
When asked do you eughs,
Any onions in steughs,
He cautiously answered, "A feugh."

McGinnis, a musical hobo,
Performed passing well on the oboe,
Airs Irish or Negro
Hetooted allegro,
Con brio, non troppo adobo.*

*No, Florence, there is no translation for this line.—Ed.



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carvEr

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polisH
gErman
aMerican
irIsh
Chinese
itAlian
engLish
japaneSe

To Settle a Question

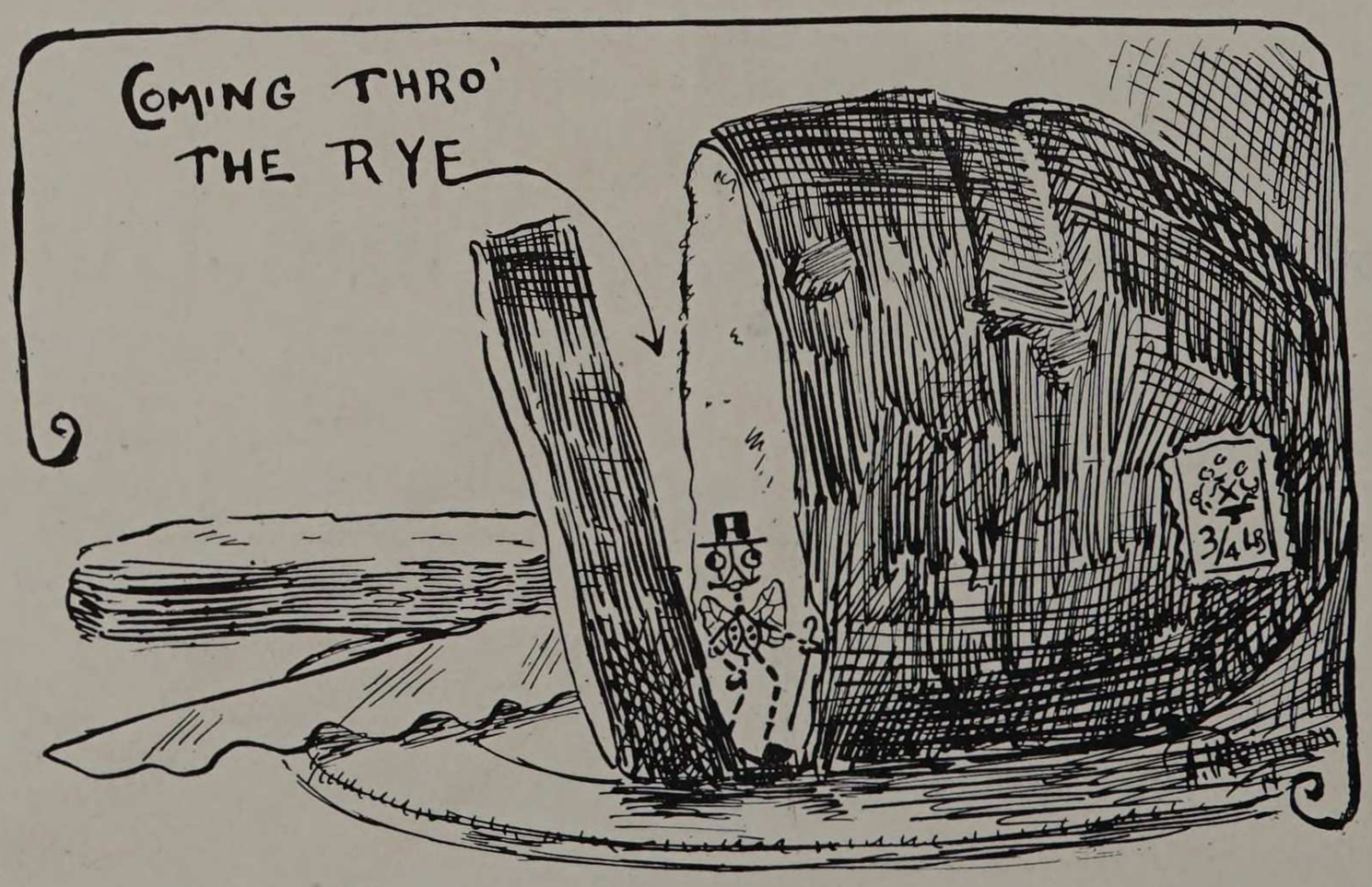
That seems to be troubling some people hereabouts, we beg to inform all who it may concern that the letters S. S. which have been so artistically embossed on our suitcase do NOT stand for "Sunday School." Nor are they symbolic of the words "South Side." Among the other things that they do not stand for are the following:

Soft Soap
Some Supe
Steam Ship
Sad Sid

Silly Solly
Seventh Sense
Sooth Sayer
Etcetera ad infinitum

We hope that this will stop once and for all, the ridiculous remarks that have been directed at the initials of your humble servant.

Prof. Wilcox (explaining mercury pump)—First you pour the mercury into this funnel.



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In the Cycle Office

Grossman—Why are you and Porter always scrapping about the division of your desk space, Claude?

Manager Knuepfer—Porter gives me a pain. He is always getting our things mixed; and I told him he could take one side of the desk and I would take the other.

Ed. Porter—Well, he wants me to take the outside.

A recent telegraphic despatch from a middle-western university states that the seismograph recorded an "osculation." It's getting so that a fellow can't kiss a girl nowadays without the whole world knowing it.

We Hope This Satisfies Him"

As an Armour student and not for wages,
I try to make the CYCLE's pages.
But our Humor Editor has, it seems,
A heart as cold as iron beams.
'Twould take a fat man rolling a mile,
To make him either laugh or smile.
He has a heart as hard as stone
And a joke's not funny if it's not his own.
So if this section is incomplete,
Just charge it to his nature "sweet."—L.S.

Terrible Accident Narrowly Averted

Colored elevator boy loses control of his car when a pianist in the music department starts playing "Turkey in the Straw." Regains control only just in time to save the passengers from being dashed to death.



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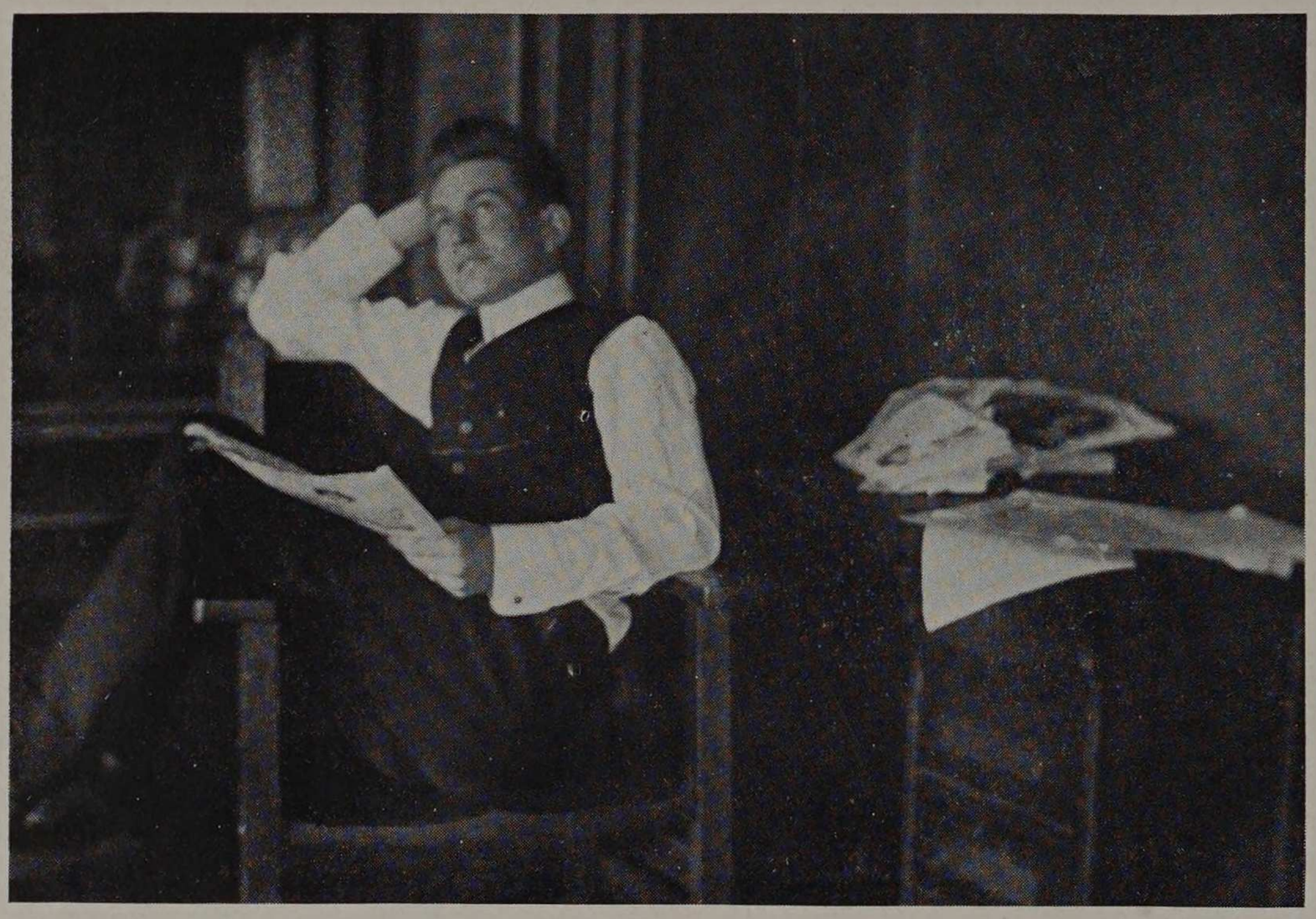

Englishman and American Discussing Correctness of Their Respective Countries' Grammar

John Bull—You Hamericans are so blooming hinaccurate.
Uncle Sam—In what way?
John Bull—You say "Where am I at" when you mean "Where his my 'at."

Bill's Letter.

I've got a letter, Parson, from my son away out west,
An' my ol' heart is heavy as an anvil in my breast.
To think the boy whose future I had once so proudly planned
Should wander from the path of right an' come to sich an' end!
I tole him when he left us only three short years ago,
He'd find hisself aplowin' in a mighty crooked row;
He'd miss his father's counsels and his mother's prayers, too,
But he said the farm was hateful, and he guessed he'd have to go.
His letters came so seldom that I somehow sort o' knowed
That Billie was a-trampin' on a purty crooked road.
But I never once imagined he would bow my head in shame,
An' in the dust would waller his ol' daddy's honored name.
He writes from out in Denver,—and the story's mighty short,—
I just can't tell his mother—it'll crush her poor ol' heart;
An' so I reckoned, Parson, you might break the news to her—
Bill's in the Legislatur; an' he doesn't say what fur.—"EVA."

Frosh Says.

"I know all about electricity all right, all right, but I wish someone would explain to me why it is that a live wire is so deadly."

Prof. Campbell (witheringly)—Would you know an integral if you saw it in the soup?

Unsubdued Soph—I would if it was in a Campbell's Soup.

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There is good music and the soft and unusual lighting effects make it a most unique and delightful place to eat.

The Blue Fountain Room is one of the notable restaurants of America and has no rival in Chicago.

HOTEL LA SALLE
Chicago's Finest Hotel

ERNEST J. STEVENS, Mgr. LA SALLE AT MADISON

There Was No Need of the "17" on This Notice.

Lost.

A Book Case containing a number of text books.
If found please return to Dean's office or Office of the Regiserator.
R. T. Gasche-17.

A girl who belongs to the choir,
Is fond of the oddest attoir,
She sings in a gown
Which begins so low down
That the organist blushes like foir.

Good Guess, Shorty.

Prof. Perry—How do you increase the speed in Stevenson link motion, Thal?
Thal (just waking up)—Give her gas.

Sir Charles bought a horse for a guinea
And the brute was so dreadfully skinea,
That a friend said, "Of course,
"It was meant for a horse,
"But he hasn't got room for a whuinea."

Poor Tom!

Seeberger—Since when have you been wearing glasses, Tom?
Sullivan—Oh, I've had them for quite a while. I always wear them when I study.
Seeberger—No wonder I have never seen them.

Eva's Version of Hamlet's Soliloquy.

To marry, or not to marry,—that is the question;
Whether 'tis nobler in the mind to suffer
The jeers and banters of outrageous females
Or to take arms against a sea of troubles
And by opposing, end them. To court, to marry,
To be a bach no more; and by a marriage, end
The heartache, and the thousand and one ills
Bachelors are heirs to; 'tis a consummation
Devoutly to be wished. But the dread of something after
Makes us rather bear the ills we have
Than fly to others that we know not of.



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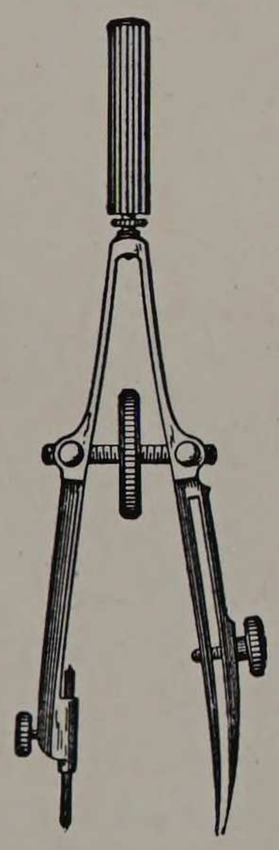

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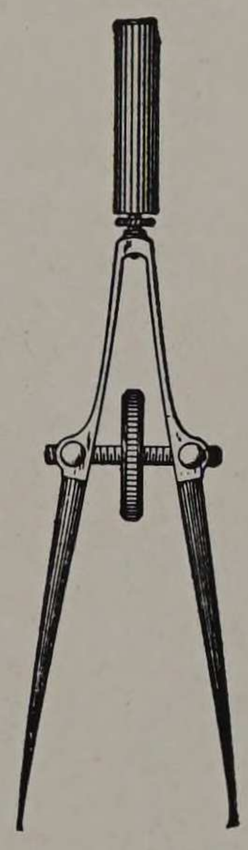


The C. F. Pease Company

166 West Adams Street Chicago, Ill.

This Was An Frosh.

She—Do you ever read Shakespeare?

He—Yes, I've read it. The man who wrote that was certainly a great man.

MacMullen in Bacteriology.

"Parasites grow best at the temperature of human blood, 98.4 Degrees Fahrenheit, but there are some animals having a higher temperature. For example, the chicken has a blood temperature of 104 degrees."

Laughter in the rear.

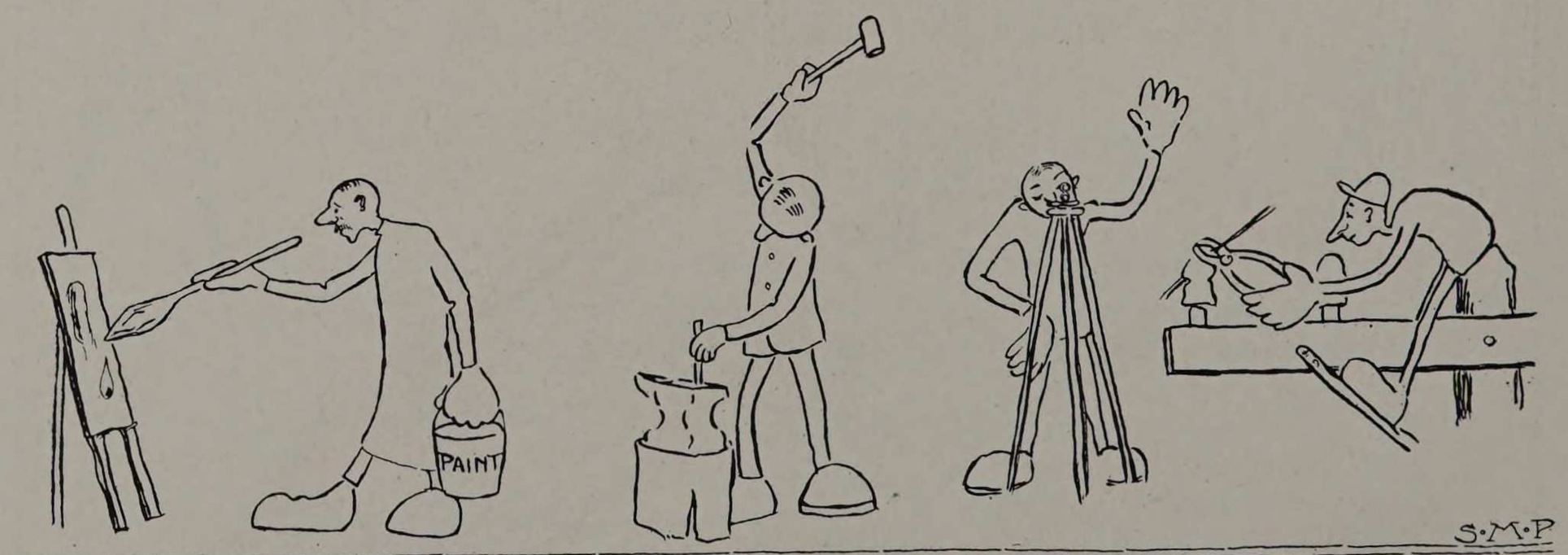
"Of course there are different kinds of chicken."



Try to Picture:

"Li'l' Art" Moeller running the two mile.
Fat Oldenburger making a recitation without bluffing.
Pearce without his "mop."
Dean Monin "working as a ditch-digger and being happy" at the same time.
Charley Swartz without a smile.
Carver acting civilized.
DeCelle not tending strictly to business.
Racehorse Dumke winning a hundred yard dash.
Fred Farrar not being polite.
Ed Menke taking a female part in a Junior Play.
Louie Hirsh getting out in a track suit.
Chubby Zook unhappy.

A certain young lady at Golden,
Once sought her best beau to embolden.
By observing," Don't you,
"Think one chair's nuff for two?"
And now when he calls she is holden.



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the Degree of Bachelor of Science

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The Institute Bulletins will be sent upon Application

The "ity" Club.

This club was organized by the Hon. Harry Mammes. Dean Monin named the first member while calling the role in Economics. Accordingly we had Mammes get up the following list of members.

Equanim-ity	Chipman
Asinin-ity	Les Wop.
Insipid-ity	Shorty Thal
Verbos-ity	Perlstein
Intrepid-ity	Senior Chemicals
Rascal-ity	Ye Humourous Ed
Divin-ity	Oldenburg
Illegibil-ity	Pearce
Monstros-ity	Mammes*
Antiqu-ity	Bunge
Irrepressibil-ity	Lister
Avid-ity	Pimstein
Versatil-ity	Gus Heritage
Audac-ity	J. Turner, Sr.
Asper-ity	J. Sullivan
Celer-ity	Wolfson**
Peculiar-ity	Eva**
Individual-ity	Vollbrecht
Imbecil-ity	Lauletta

*That's to get even for what he said about us.
**See definition of "sarcasm."
***Surnamed Gothwaite.

Said a coquette who lived in DeWitt,
To a baldhead who thought he was it;
"Your lovemaking's a farce,
"Your hair is too sparce,"
Then she bawled at the baldhead, "Now git."

Looking Over the Paper

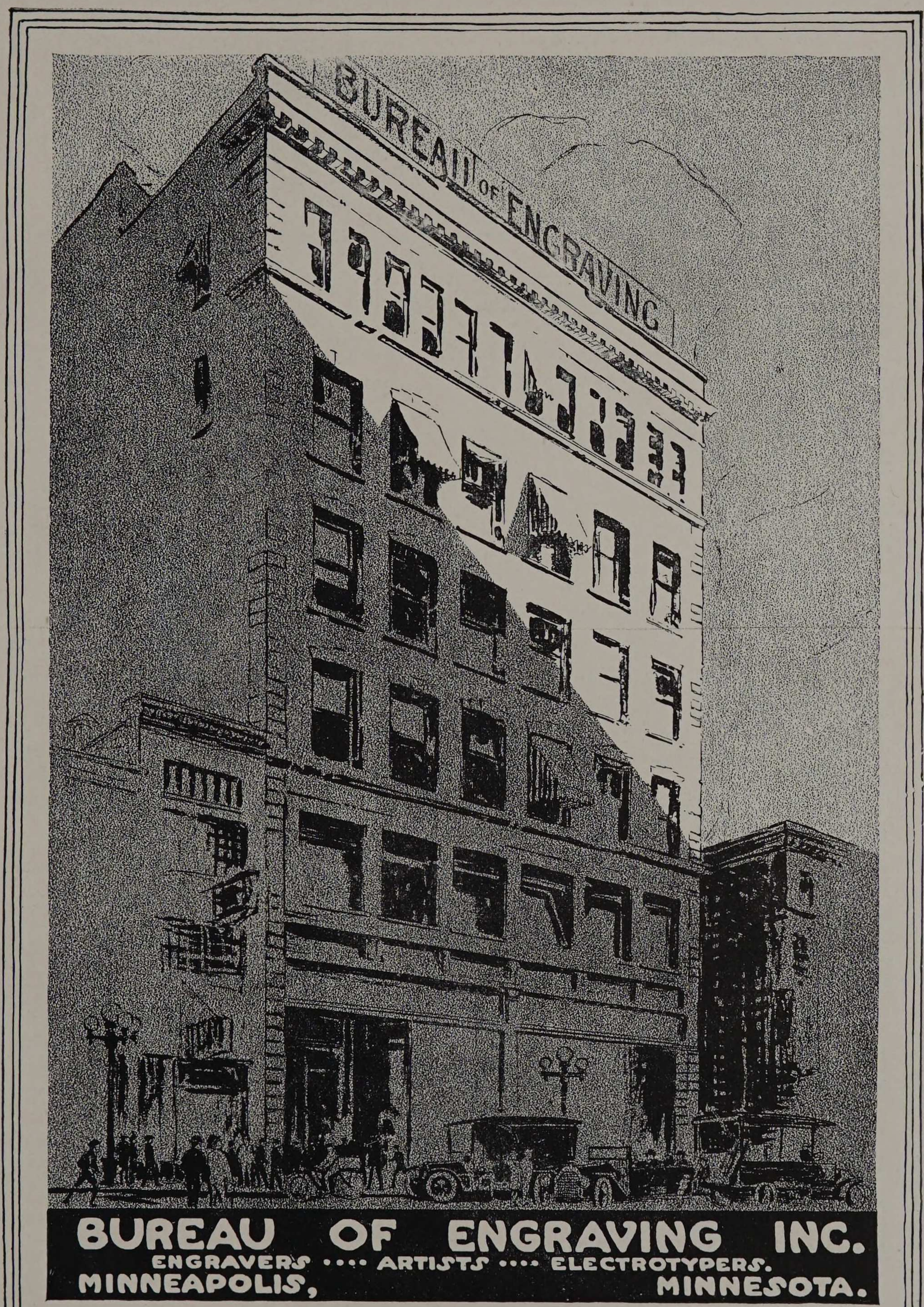
Lister—This stock exchange news is something I don't know anything about.

Strombach—That so? Now I was brought up on that stuff. Used to get up and milk it every morning.








BUREAU OF ENGRAVING
BUREAU OF ENGRAVING INC.
ENGRAVERS .... ARTISTS .... ELECTROTYPERS.
MINNEAPOLIS, MINNESOTA.

Shorty Meant Well, Anyway.

A senior was telling his troubles to Shorty in the cloakroom.

"I think I flunked in about everything."

Shorty—Get out. I'll bet you got an A in everything but Trigonometry.

Probably Had a Family of His Own to Support.

The cashier shoved out some considerably soiled bills to the man who was cashing a check.

"Look here," the man indignantly protested,"I wont take that. I want clean money."

"That money is good," said the cashier, "what's the matter with it?"

' It's just swarming with microbes," was the reply, "and I'm not going to have microbes living on my money! No sirree!"



We Don't Care if He Does Flunk Us.

As goat-getters, a good many of our professors have international reputations, but we have to hand the palm to our own Prof. Moreton as the chief angora-coraller of them all. His methods are simple but effective. Without batting a lash, he gazes serenely through our bluffs with a look that gives the unfortunate student a September Morn feeling and makes him want to run and hide. But he is held by that inexorable gaze and all he can do is flounder and writhe in helpless agony until his tormentor tires of the sport.

"Senate passes bill creating six Vice-Admirals." — Newspaper headline. Have we sunk to "legalized vice" at last?

There was a young lady named Mosure,
Who always maintained her composure.
But she slipped on a peel,
Gave a short little squeal,
And the rest was an awful exposure.

She asked me to fly and I flew,
She asked me to lie and I lew,
I'll allow her to task me
But if she should ask me
To die, I'll be durned if I dew!



Past the Experimental Stage

When a Portland Cement has been made in the same mill and from the same quarry for fifteen years; when it has been used in work of the greatest magnitude; when it has been specified and used by engineers and architects of world-wide reputation; when it has successfully stood every quality test, it should be sufficient evidence that such a Portland Cement can be depended upon. Such a brand is

"Chicago AA" Portland Cement



Made in one mill and from one quarry only.
Output, a million and one-half barrels per year.

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J. U. C. McDaniel, Sales Manager

30 North La Salle Street, Chicago, Illinois

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Between State and Wabash

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We offer for Spring, 1914, what are, we believe, the greatest values and most exclusive ideas we have ever shown



Balmacaans

The new Spring Top Coat

An English idea Americanized by Mossler. Special values, $15, $20, $25, $30.

For Women, Too

SUGGESTIONS OF INTEREST
SUITS

The "English Sac"—single or double breasted, in the Tarlton plaids and stripes, liningless with silk finish, patch pockets, athletic vests, body tracing large lapels.

Special Price . $20.00

Others $20 to $50

The "Dress Sac"—a smart sack suit, shapely shoulders, large lapels, in various shades of Saxony, Worsteds, Cheviots, Tweeds and English Flannels. Conservative and English Styles.

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Others Cecilian lined and liningless, $20 to $50

The Semi-dress braided silk, made to wear for business and informal functions, a combination suit that serves the purpose, in soft tones of Oxford Vicunas and neat hairline stripes. Excellent values.

Special Price . $35.00

Afternoon Frocks, braided, silk lined, soft lapels with London striped trousers. $35 to $50. Sizes for every proportion—stout, lean, short, tall.

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New English Sac

Single or double breasted models. Non-pad, without lining, silk trimmed athletic waistcoat.

$20 and $25

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—For Night Study



HERE is an electric lamp just suited for the night study, that every student must do. The Portable Electric Student Lamp should be on your desk or work table. With it eye-strain, frequently caused by wrongly directed light, may be prevented. This electric lamp is adjustable to any angle you may require. The full, mellow light is cast right on whatever work you may have in hand, while the eyes remain in the restful shadow.

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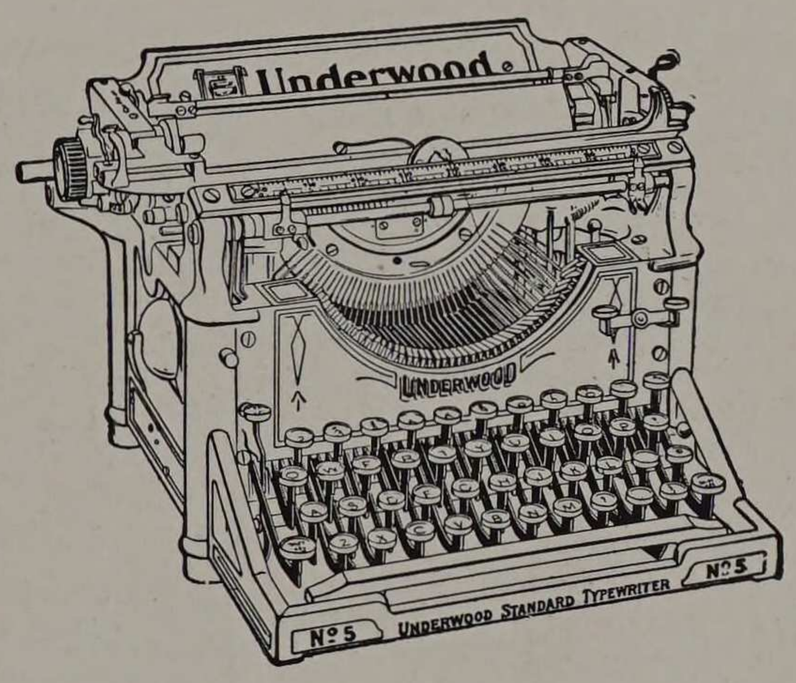
means
A SATISFIED OPERATOR
A PLEASED EMPLOYER
A SHORTER DAY



The Machine You Will Eventually Buy

Underwood Typewriter Company

Powers Block Chicago

A. Plamondon Mfg. Co.

Shafting, Pulleys, Hangers

Gearing, Friction Clutches

12-24 North Clinton Street Chicago

A Paradoxical Sign.

In a downtown department store, a large sign proclaims the fact that the stationary department has moved to the second floor.

In Miami, Arizona is a hospital whose inspiring name is the "Miami Inspiration Hospital." We suppose it is a place where a novelist or poet would go to recuperate a run-down imagination.

We have decided to make no mention of the professors' standard jokes and sayings this year. Such things as Prof. Wilcox' "That bell is the signal for the instructor, and not the student"; Prof. Reid's "That line is one umtieth of an inch off, do the plate over"; and Dean Monin's "Tell the rest of the fellows that I'm going to call the roll next time"; should be given a rest once in a while. This applies to Prof. Smith's "Versy vicy, as the old woman says" and Mrs. Beveridge's "Be sure and have that book in by nine-thirty" as well as to Prof. Pell's "Tomorrow we have queez" and Prof. Paul's "Gentlemen, your hour is up."

What they put in newspapers nowadays is a fright. Why, only the other day I saw one of the fellows in the Y. M. C. A. with his lunch in the newspaper.

In History of Civilization.

Dean Monin—Scientists investigating in Switzerland have found proofs of a race of lake dwellers whose houses were built on piles.

Bright Frosh—Did they have pile-drivers?

Dean Monin—I don't think that they pushed them in with their thumbs.

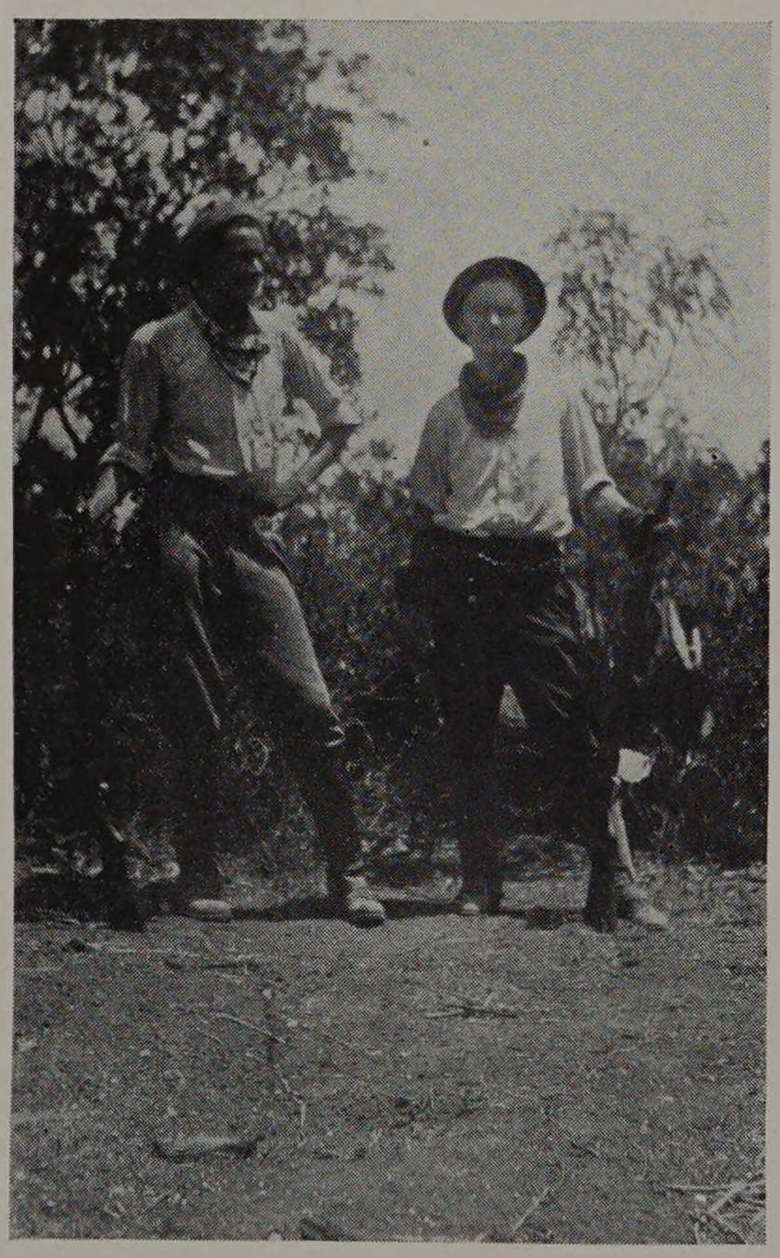
I Hope She'll Overlook This

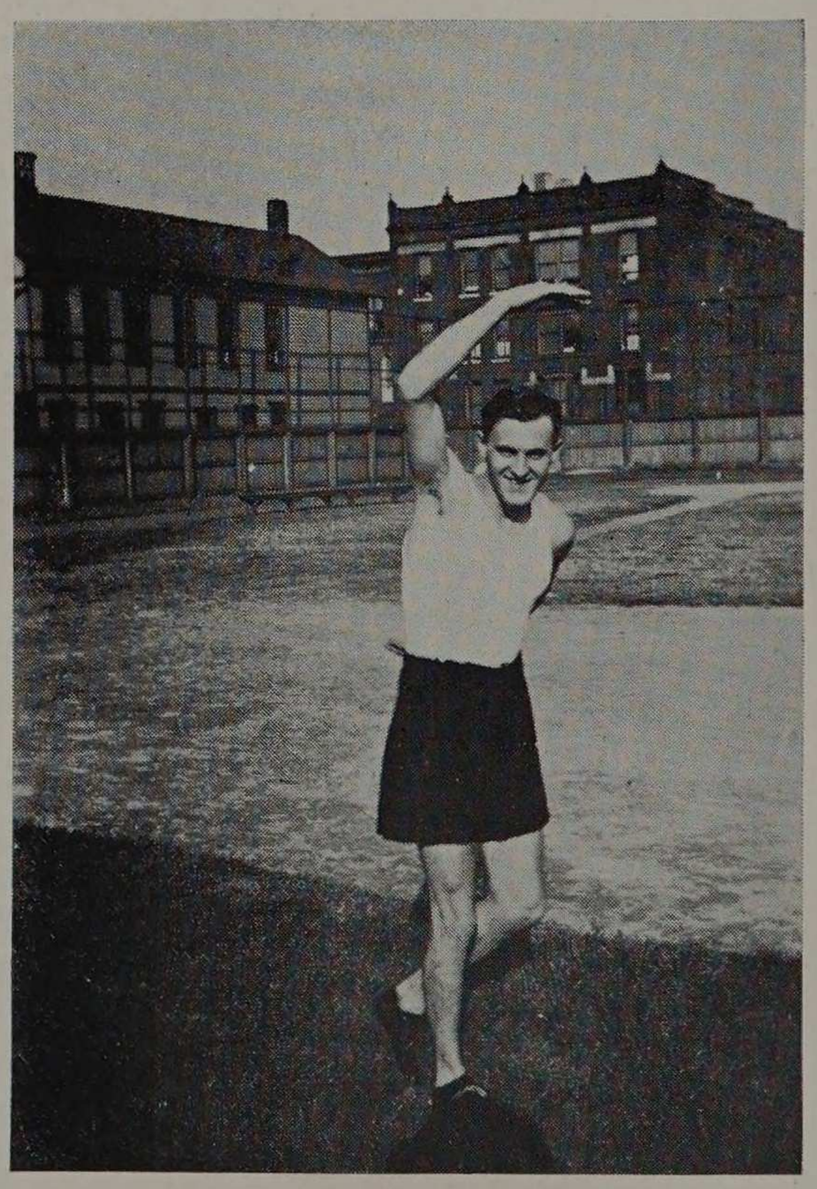
The librarian's assistant had been with us only a week. Broyles wanted "a reference on the Wheatstone Bridge." (Business of looking high and low). Finally she returned with a large volume and said: "We have no reference on the Wheatstone Bridge, but here is a good one on the Brooklyn Bridge."

And yet Mrs. Beveridge said he had no excuse for laughing aloud.

Heard at "T"irty T'ird and de Tracks"

I'm a bad egg and I'm broke, so beat it quick, kid. Tsee?





Mathematics of the future will be at least as easy as reading dime novels judging from this poem which appeared in a recent issue of the American Magazine:

The Poem of Lord Ullin's Daughter Expressed as a Problem in Trigonometry

A chieftain to the Highlands bound,
Cries, "Boatswain, do not tarry!
And I'll give thee a silver pound
To row us o'er the ferry."
Before them raged the angry tide
X — Y from side to side.

Out spoke the hardy Highland wight,
"I'll go, my chief, I'm ready;
It is not for your silver bright
But for your winsome lady."
And yet he seemed to manifest
A certain hesitation;
His head was sunk upon his breast
In puzzled calculation.

"Suppose the river X — Y
And call the distance Q,
Then dare we thus the gods defy?
I think we dare, don't you?
Our floating power expressed in words
Is X — 47 | 3."

"O haste thee, haste," the lady cries,
"Though tempests round us gather,
I'll face the raging of the skies
But please cut out the Algebra."

The boat has left the stormy shore(S),
A stormy C before her—C C C C
The tempest gathers o'er her;
The thunder rolls, the lightnings smite 'em
And the rain falls ad infinitum.

In vain the aged boatswain strains
His heaving sides reveal his pains;
The angry water gains apace
Both of his sides and half his base,
Till, as he sits, he seems to lose
The square of his hypotenuse.

The boat advanced to X — 2,
Lord Ullin reached the fixed point Q,
Then the boat sank from human eye;
OY! OY! OGY!

Wonderful Engineers, Those Architects

Professor—Mr. Isensee, how long would a motor run without load after it had once been started and the power shut off?

Isensee—Until the moment of inertia wore out.

The Meanest Man in Town.

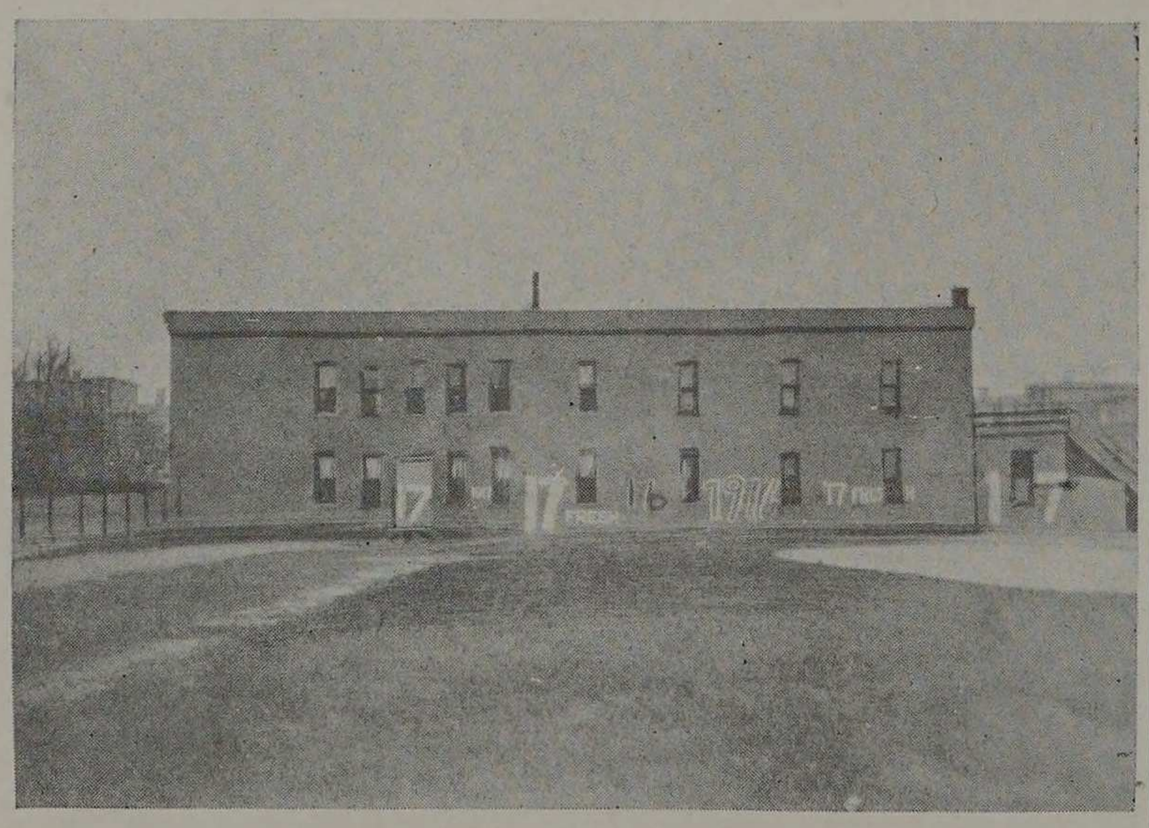
The daughter of the house was giving a dance in honor of her girl chum from out of town. I do not dance but I was going to take a friend to the hall so I offered my services in the checkroom. The night was hot, but a large crowd attended, and the girls were very profuse in their thanks for what they were pleased to call my kindness and self-sacrifice. In fact, they were so nice about it that I felt amply repaid for what I had done. When I again called at the house, the father, who had also been at the dance, called me to him and delivered himself of the following:

"Fred," he began, and his voice and eyes were filled with gratitude: "Fred, you have performed a service for my daughter and her friends that we shall not soon forget. When a city or a nation wishes to reward a great man for services which mere money cannot repay, it gives him a medal which intrinsically may be worth but a few dollars, but in sentimental value, the medal is recognized by the man and his friends to be priceless.

"Now, Fred, I am sure your folks will realize the true value of what I am going to give you; that they will not laugh at it. Therefore, Fred," (here he fingered the jewelry on his hand) "I am going to give you three rings. I am giving you three rings so that we will not have to guess who it is when you ring the bell. Hereafter, when you call, ring the bell three times and we will know it is you. Now run along and talk to the girls."

Literature and Business.

Many a man on the road of life succeeds where another fails;
Johnny is writing stories and Billy is splitting rails.
Johnny is making a name and fame (he says) while the years roll on,
But Billy is making the money, and Billy's supporting John.—"EVA."



Signs of the Times



A Little Light on a Dark Subject

Charles H. Besly & Company

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Established 1875 Incorporated 1909



Registered Trade Mark

FINE TOOLS

Machinists', Mill and Railroad Supplies, Seamless and Brazed Tubes in Brass and Copper, Brass, Copper, Bronze and German Silver in Sheets, Rods and Wire, Besly Disc Grinders, Helmet Circles, Helmet Cement, Helmet Temper Taps, Helmet Cups, Helmet Oil.

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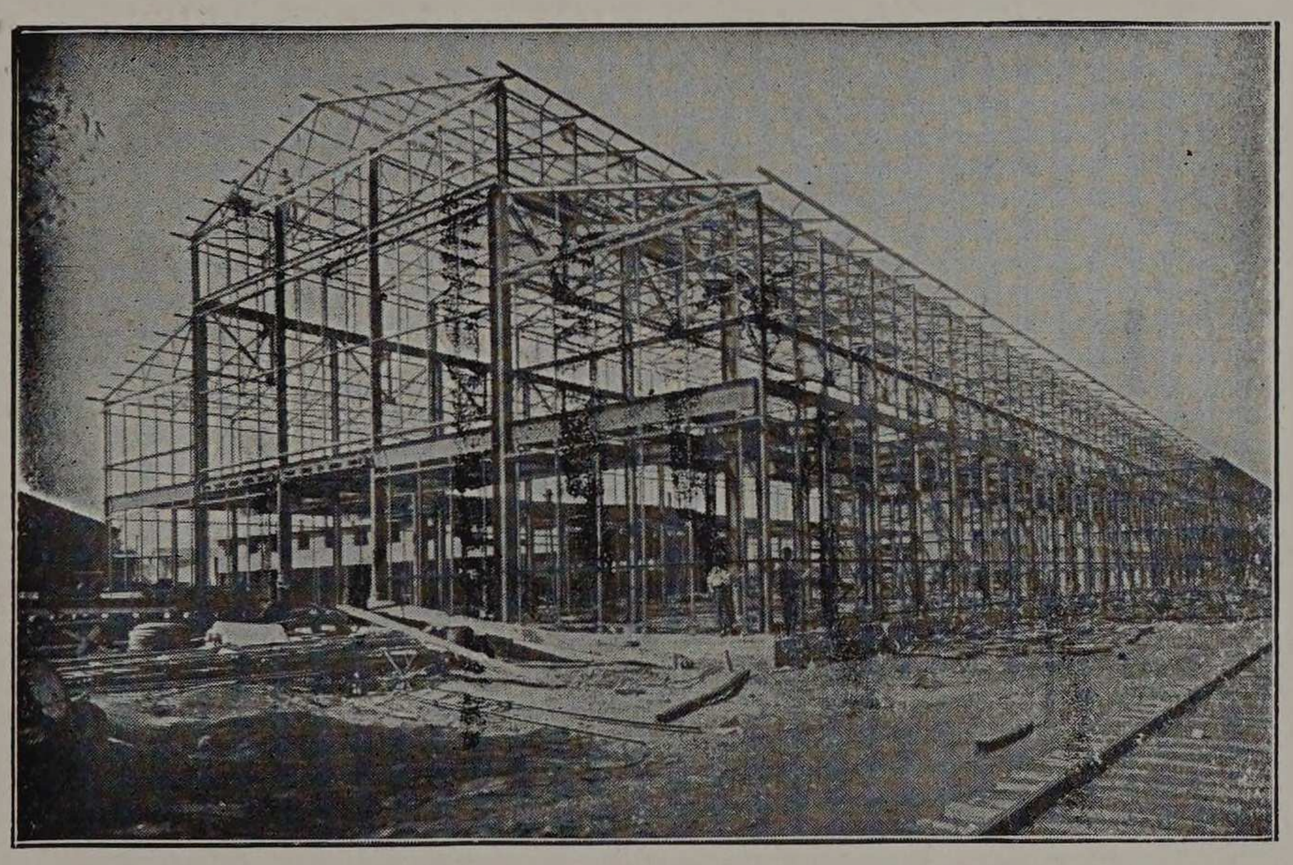

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Designs and Estimates Furnished.

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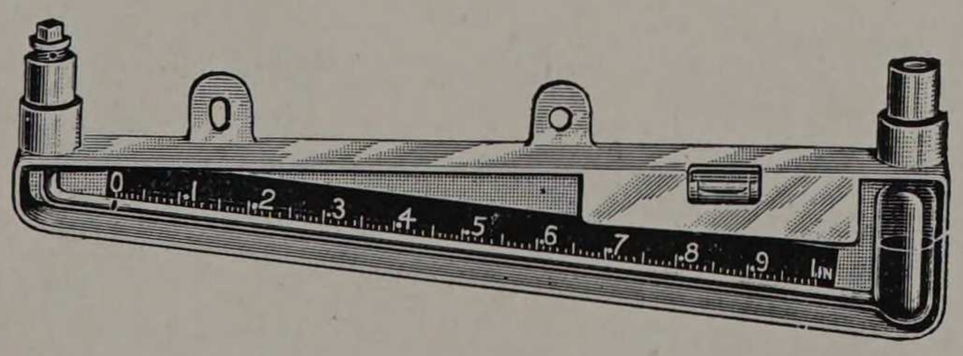

The Accepted Standard

In use in 114 technical institutions. Open, cover, and portable types, comprising about 100, having an accuracy not approached in any other type.

LEWIS M. ELLISON, Chicago

At the Freshman Handshake.

First Newcomer—Where did you say you hailed from?
Second Ditto—I'm from Tennessee.
F. N.—H'm. Let me see. Oh, yes, That's in Kentucky, isn't it?
"I saw a friend of yours this morning."
"Who was it?"
"Hook."
"I don't know Hook."
"You don't! Why, Hook and I (eye) are always together."
I see you are leaving town.
Leaving town? What makes you think that?
Well, your clothes are checked.
Borroughs—Have you read "Freckles?"
Wright—No, mine are brown.

Here's a Deep One.

Student working his way thru school—Physics Lab.—Heat experiments—breaks Beckman thermometer—$5.00—. See the joke? Neither did the student.

Sad.

"Hear about Thompson?"
"No, what about him?"
"A dog bit him on the foot and died of ptomaine poisoning."
"Who? Thompson?"
"No, the dog."

In Psychology.

Now, let us take the student's brain as a whole. That's what most student's brains are anyway.

In the direction of original productions, this year has brought forth one new excuse: "I was late because I waited for the elevator." (See "Duke" Cooban)

Bready has had some of the Junior Mechanicals "seeing things." They would return to their drawings after stepping out for a few minutes, and find all sorts of imps grimacing at them from dashpots and pistons, and performing acrobatic stunts from connecting rods and cranks.

(Ask Levally or Patterson.)

Discretion is the Better Part of Valor.

Quotem—Only the brave deserve the fair.
Quittem—I always was partial to brunettes.

A girl who lived out at Lucerne,
Had a pa who was crabbed and stern,
He'd startle young men
By appearing at ten
And saying "I move we adjourn."



The Hesitation

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REDUCE FRICTION

Friction costs more than Oil

For over 28 years HARRIS OILS have been found to be pure and efficient of lubricating quality that forestalls wear. We make special oils for various uses such as HARRIS VALVE OIL for VALVES, CYLINDERS and PISTONS. HARRIS ENGINE OIL for outside moving parts in fact

A GRADE FOR EVERY LUBRICATING REQUIREMENT

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Flowers for All Occasions

Estimates furnished on all floral decorations

FORT DEARBORN HOTEL
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HOTEL SHERMAN

BANQUET ROOMS
FOR
Dinners, Meetings or Dances

PATRONIZE OUR ADVERTIZERS

They are your friends

This is From a Student Whose Home is in Chicago.

My kid brother and I sleep together; that is we share a bed at home. Usually, when I get to bed along about 1:V.X. after a long evening of study (?) he has been asleep for several hours. Now, that kid has absolutely the most original ideas about disposing himself in a bed, that were ever conceived. In the first place, he must, that's all there is to it, he simply *must* have a pillow on top of his head or he cannot get to sleep. The fact that, in the morning, the pillow will be anywhere from underneath the bed to up on the chandelier, anywhere except where it belongs, has no bearing on the fact that he must have that pillow on top of his head to get to sleep. Having reached the kingdom of Morpheus, he disclaims all further responsibility for his actions. It is well he does for "assault and battery" is the least of the crimes he commits. Grand larceny, as you know, is the purloining of articles valued over a certain sum. Well, Dean Monin, our eminent authority on economics, will tell you that the value of a half interest in a warm comforter on a cold winter night is well above the petty larceny limit. Need I say more? Or can you picture the physical suffering I pass through during a hard winter?

And that's not all. Not by a jugful. Bear with me but a moment more. Everyone, no, everyone but this Incarnation of Infinite Ability to Annoy, realizes that the normal position of the body in sleeping is parallel to the major axis of the bed. The only time that this I. of I. A. to A. can be found in this position is for an instant while changing from one diagonal position to another. I could go on indefinitely, recounting the eccentricies of this slumbrous fiend incarnate; tell you how he waves his arms in dream speeches or playfully pokes his feet into the small of my back, but I must desist for lack of space.

At Twenty-One.

This world is not so bad. It seems
That work and nerve make real our dreams;
That pleasure far outweighs dull sorrow;
That muscles are fit for the work of tomorrow,
And troubles avoid those that no trouble borrow.
I've just turned twenty-one.
Life is a joyous thing. Its ways
Are smooth and 'lumined by warm rays;
While hearts in tune sing thrilling song;
And right e'er triumphs over wrong,
For Love speeds my willing feet along,
And I've just turned twenty-one.

Justifiable Homicide.

Mammes—When will I see you again Shaffer?
Shaffer (very wittily?)—About two o'clock next week.
Mammes (indignantly)—I asked you a civil question.
Shaffer—I'm an electrical; I don't have to answer Civil questions.
(Curtain, soft music.)

Smith—What became of that fellow Lightfinger, who was so popular with the girls on account of his taking ways.

Brown—Haven't you heard? His taking ways finally got him into trouble.

Smith—No. How was that? Girl complications?

Brown—Nothing like that. So many embarassing situations arose out of his inability to differentiate between his own and other people's property, that the deans requested him to complete his education elsewhere.

Dearborn Chemical Company

Manufacturers of

Boiler Feed Water Treatment Scientifically prepared to suit water conditions shown in analysis.

High Class Lubricants for all purposes.

Specialists on water analysis, and testing of fuels and oils.

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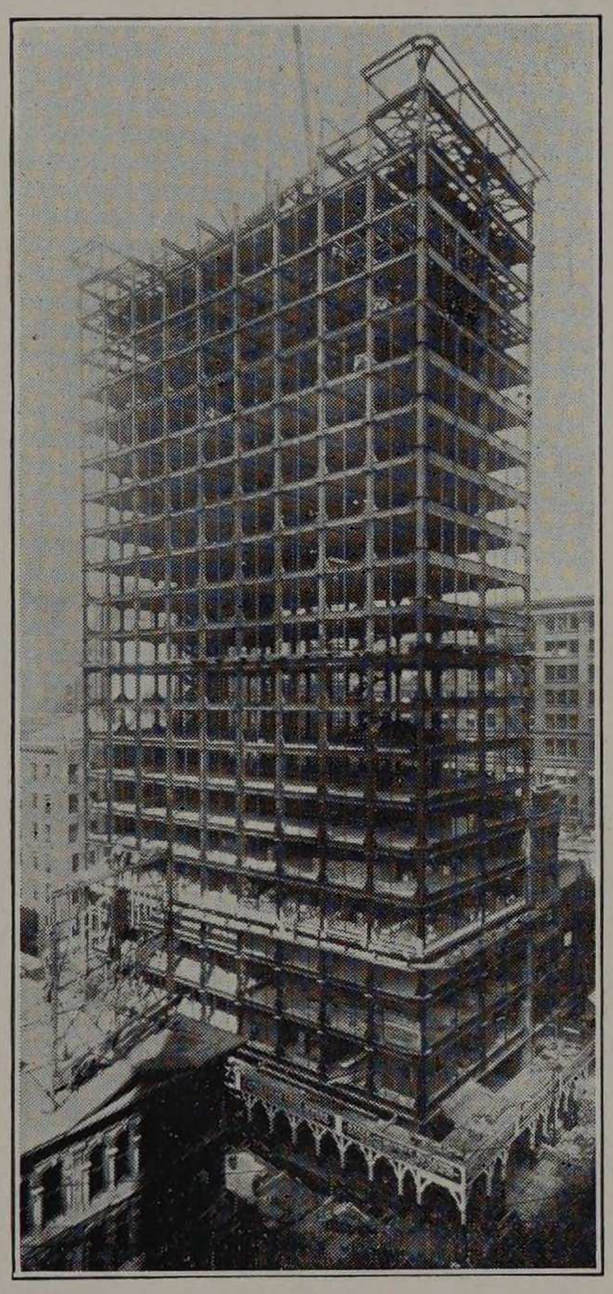

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There is an individuality and distinction about our creations that has given us a national reputation

Unless your printing is Rook-tographed we can do it bətter

626 Federal Street
CHICAGO

This Was Before He Lost It.

Mr. Alling (Calling on Gus Heritage)—This gentleman here, with the pompadour.

Class (in chorus)—And the mustache!

In Business Law.

Mr. Alling—Who was king of England in 1676?

Oley—Queen Elizabeth.

The fellows who do their drawing near him say that Borroughs is well named; they pronounce it b-o-r-r-o-w-s.



Jim Shattuck's Waterloo

Oh, he'd hurl the dictionary promiscus thru the air,
And he'd jab statistics inter ye from almost everywhere,
And ol' Erastus Beebe
Said he et a cyclopedy
Ev'ry mornin' 'ith his breakfast; an' I b'lieve he did, I swear.

An' in knowledge o' the scripture he could lay the parson flat
'Bout Melchizidek an' Moses, Jonah an' Jehosaphat.
An' you couldn't find his ekil
In Leviticus or 'Zekil;
He kep' all the law an' prophets packed away beneath his hat.

He'd kote Congressional reports jest like his A, B, C;
An' of all the laws an' statoots he possesses a full idee;
An' he'd argify on science
'ith all the intellectual giants,
An' he'd run them from their burrows, an' he'd chase 'em up a tree.

ROGERS PRINTING COMPANY

DIXON, ILLINOIS

The reputation of this house for good printing has been established through accuracy, and attention to little details

COLLEGE PRINTING OUR SPECIALTY

An' down to Peleg Perkins store he uster sit an' talk.
One day when he wuz spoutin', in there comes an orkerd gawk,
An' he kinder sneaked and sidled
Like a horse that isn't bridled,
An' Jim pitched into him an' tried to make him toe the chalk.

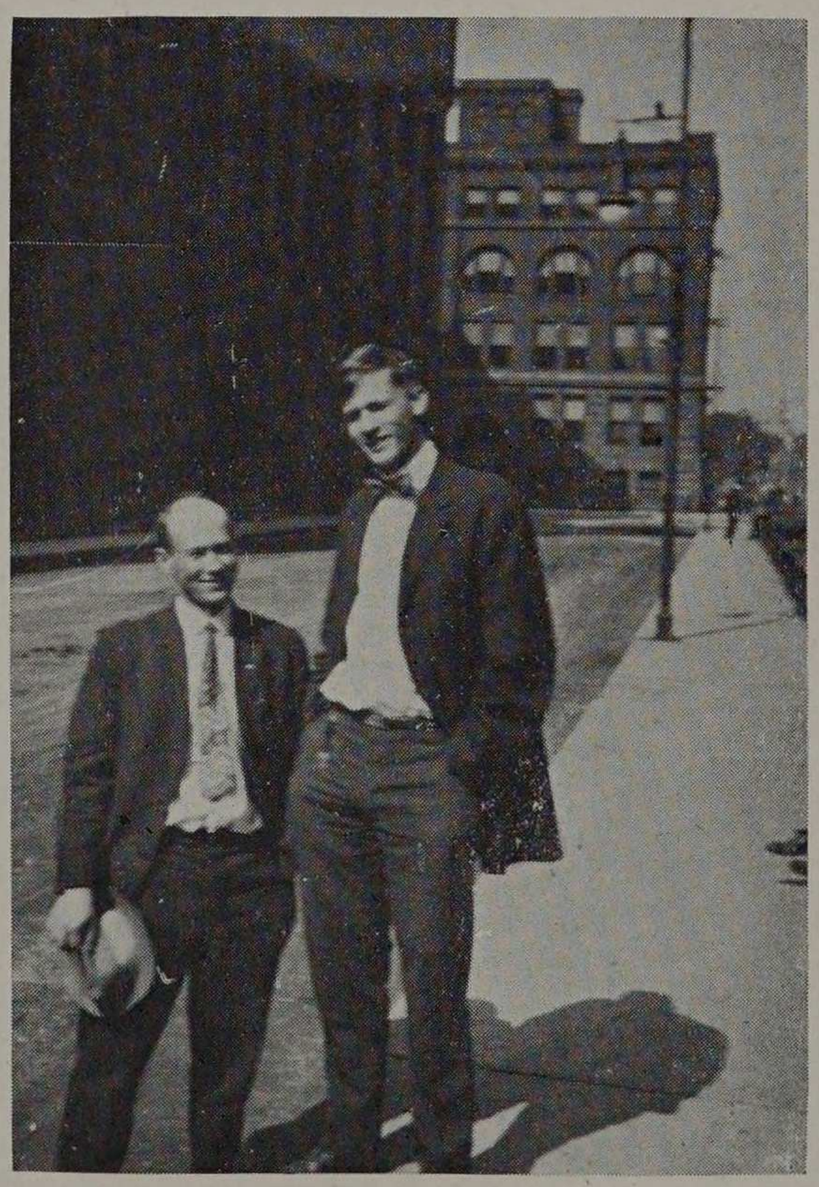
An' the gawk he looked so silly that we kinder pities him,
An' Peleg Perkins whispered, "Kinder stroke him easy, Jim."
Then the gawk he squirmed and wriggled
'Till the gal clerk up an' giggled,
Then he waded in an' argered like a blessed seraphim!

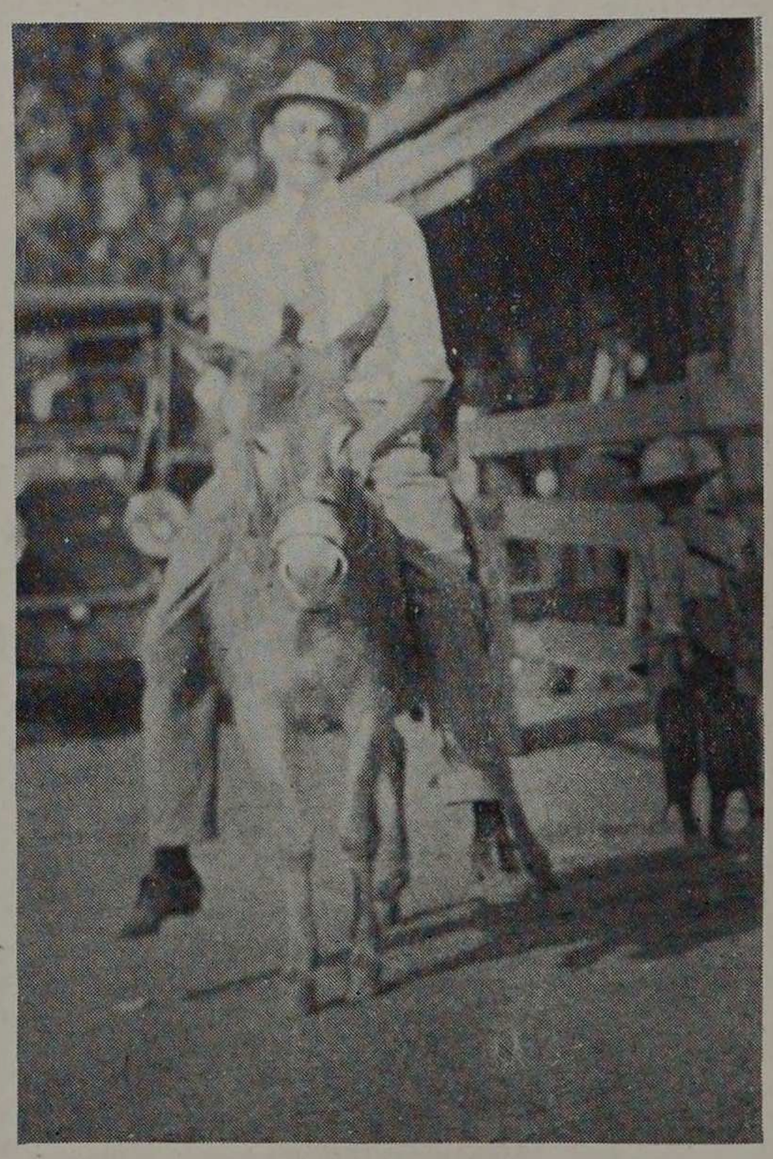
He pelted Jim 'ith school-books till I tell ye it was rich!
An' he'd whelt him with the Bible as he'd beat him 'ith a switch.
An' the histery o' Chiny
Timbuctoo an' North Coroliny
Theology an' jollogy, geogerphy an' sich.

He'd kote the President's message an' his inaugural speech,
An' no crumbs in wisdom's pantry seemed to be beyond his reach.
All history he would gabble on
From Boston back to Babylon,
When he shook the tree of knowledge every shake would drop a peach.

An' Jim he sort o' wilted an' then hung down his head,
An' he slowly shuffled from the store, but not a word he said—
An' we all knew ol' Jim Shattucks
Had met his Appomattox;
Next day his childer found him in the upper cornfield—dead.

Ex Per "Eva."





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