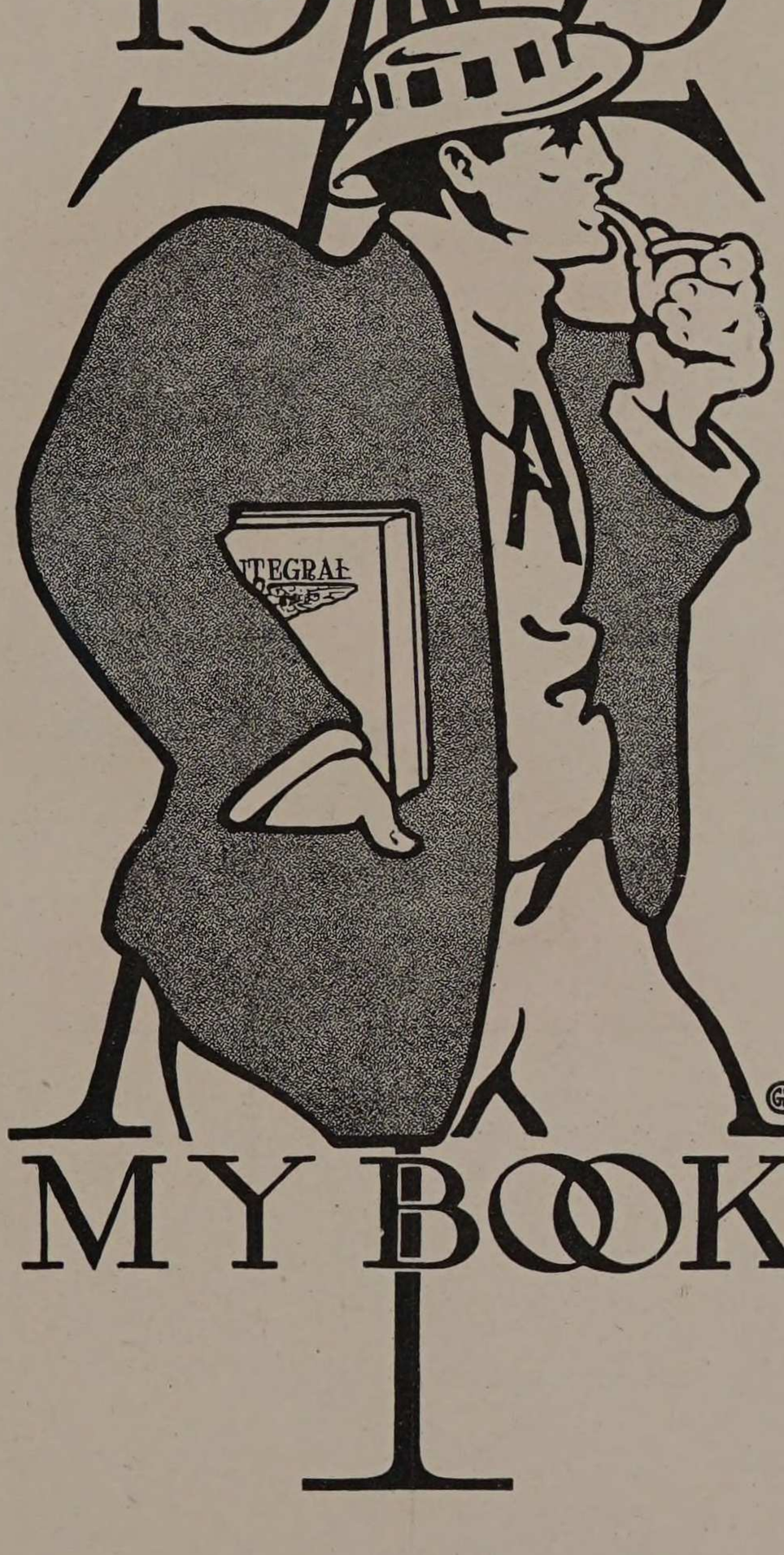
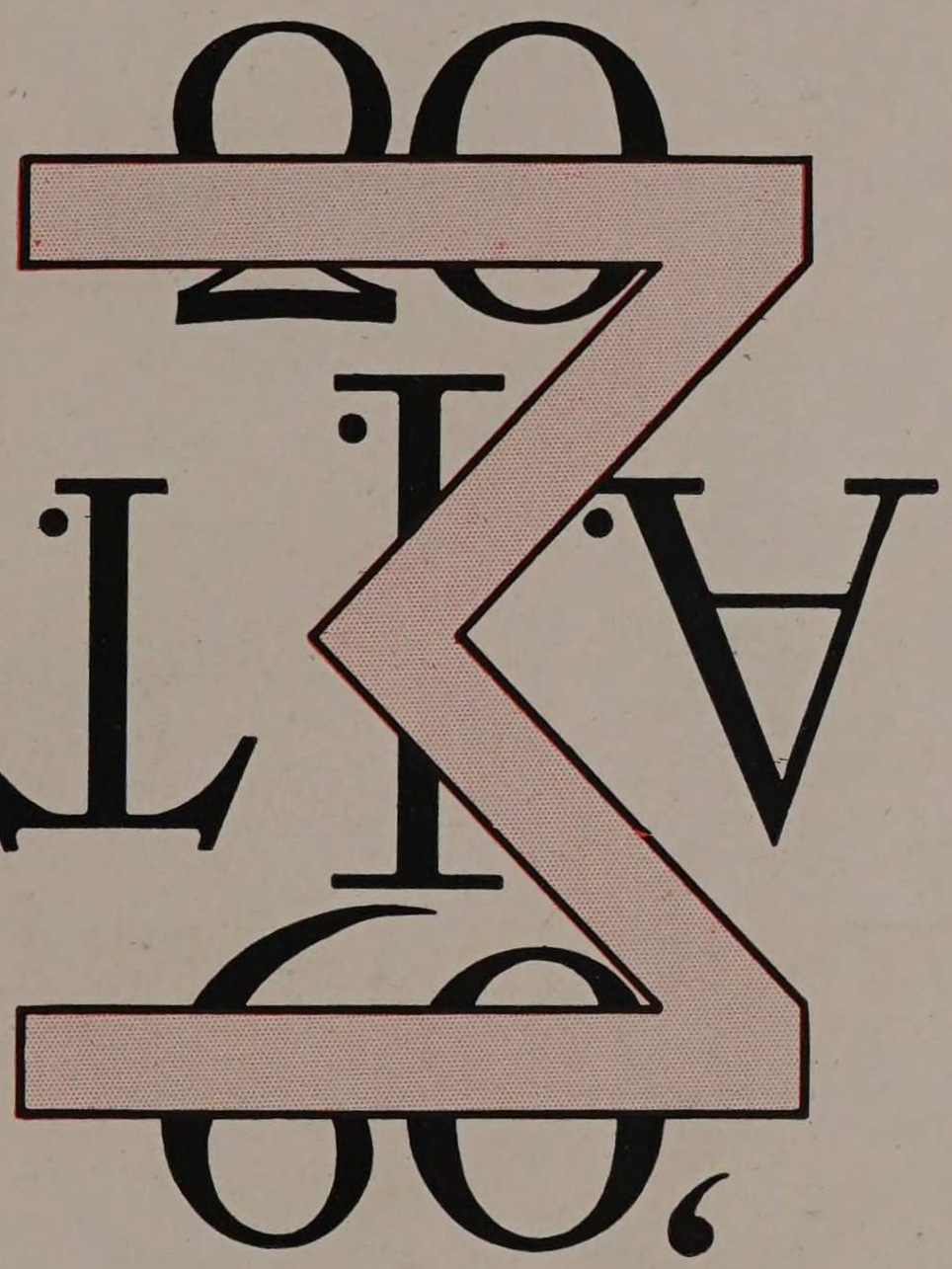
The Integral



1909



MY BOOK



The Integral

THE STUDENT
ANNUAL OF

Armour Institute of Technology

CHICAGO
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Published by the Integral
Board for the Junior Class of
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Volume Eleven: Nineteen Hundred and Nine

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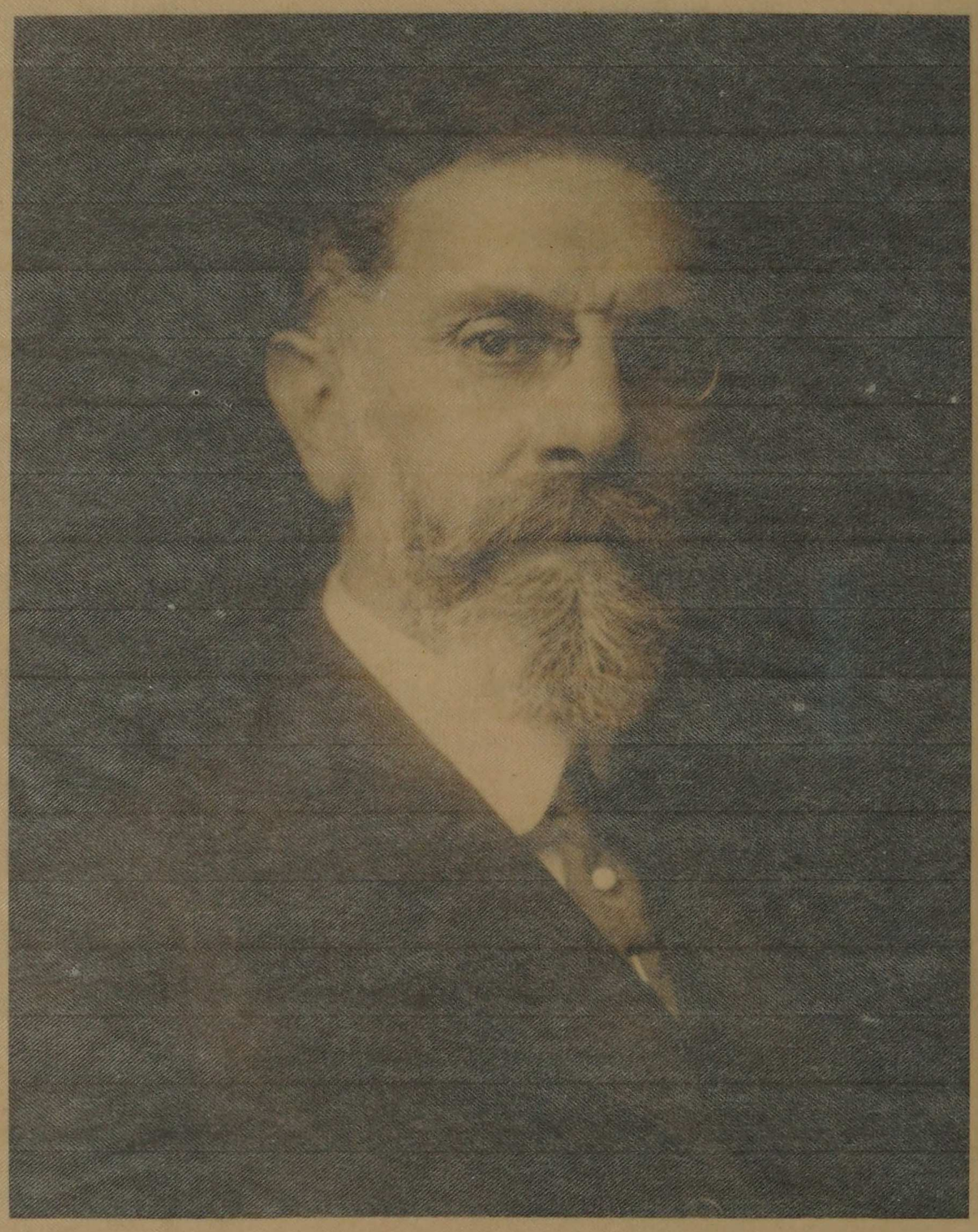
DEDICATION

TO

LOUIS CELESTIN MONIN

The Student
The Educator
The Man

In sincere appreciation
of what he has done and
is doing for the Student
body of Armour Institute
this book is dedicated.



L. C. Morin

DEDICATION

TO

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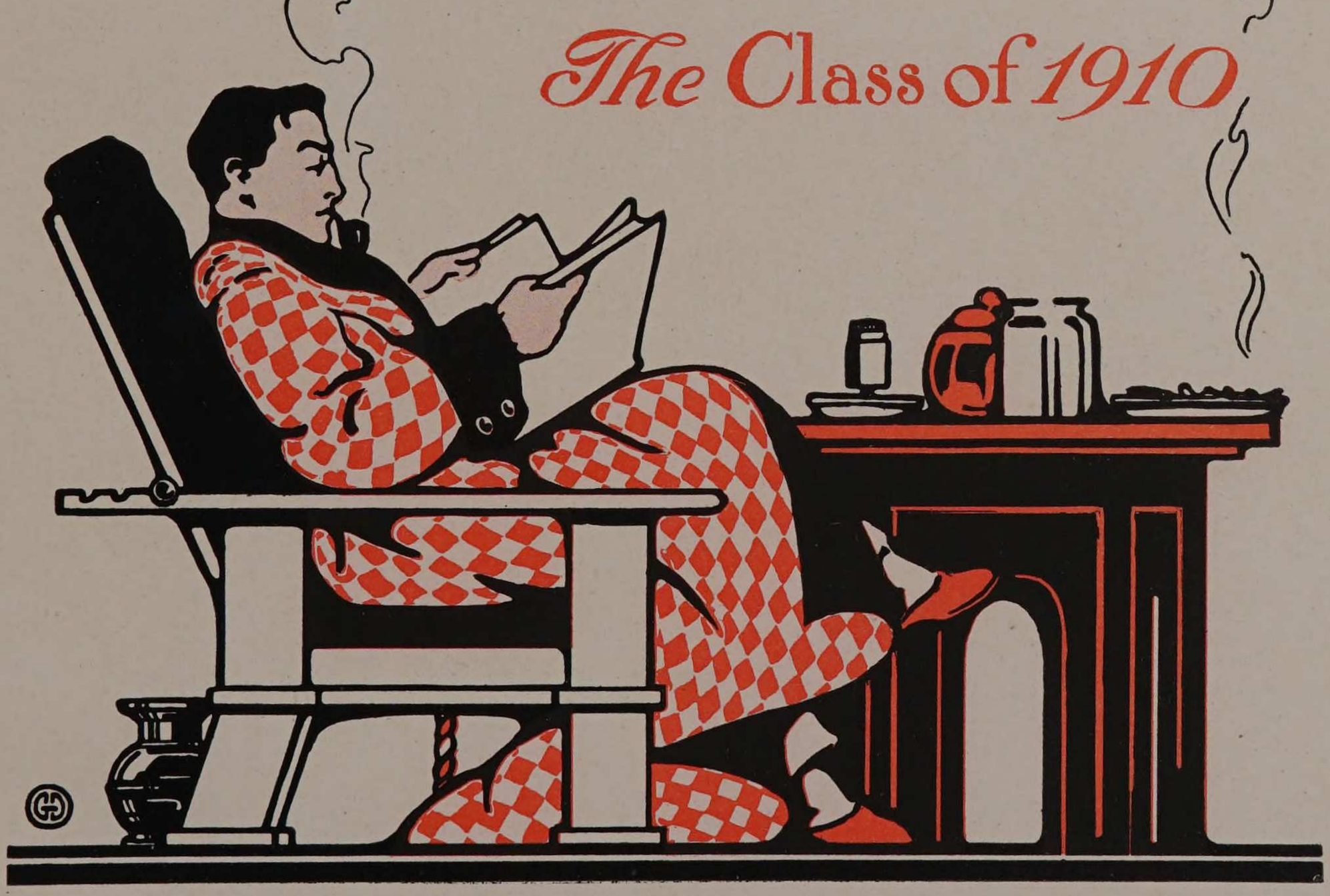
The Student
The Educator
The Man

In sincere appreciation
of what he has done and
is doing for the Student
body of Armour Institute
this book is dedicated.

GREETING

In moments stolen from classroom and draughting table we have wrought this book, hoping that it may lighten the burden of some weary hour or recall a pleasant memory in time to come.

The Class of 1910





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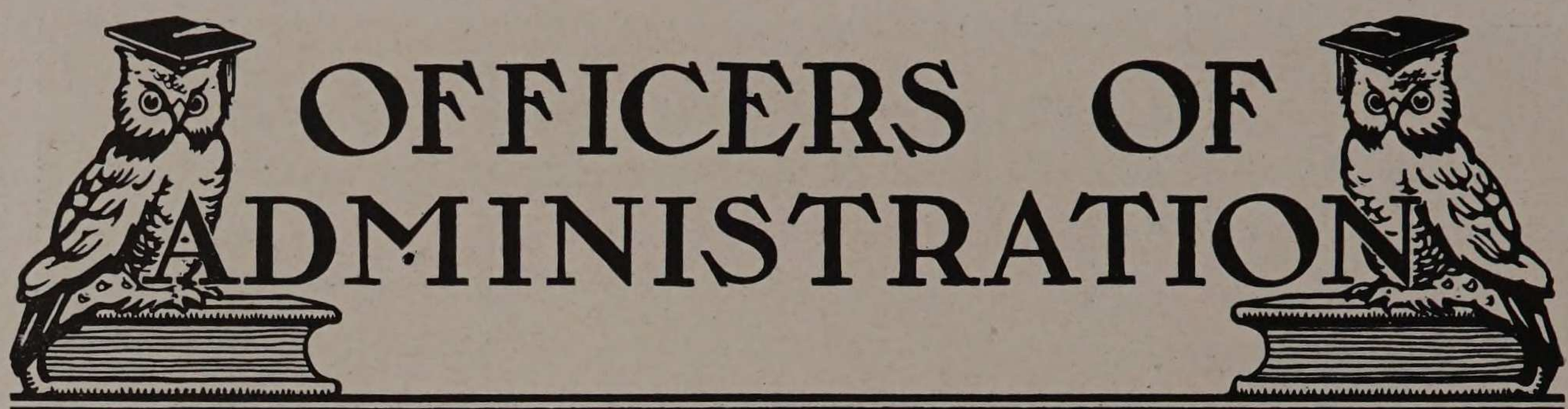
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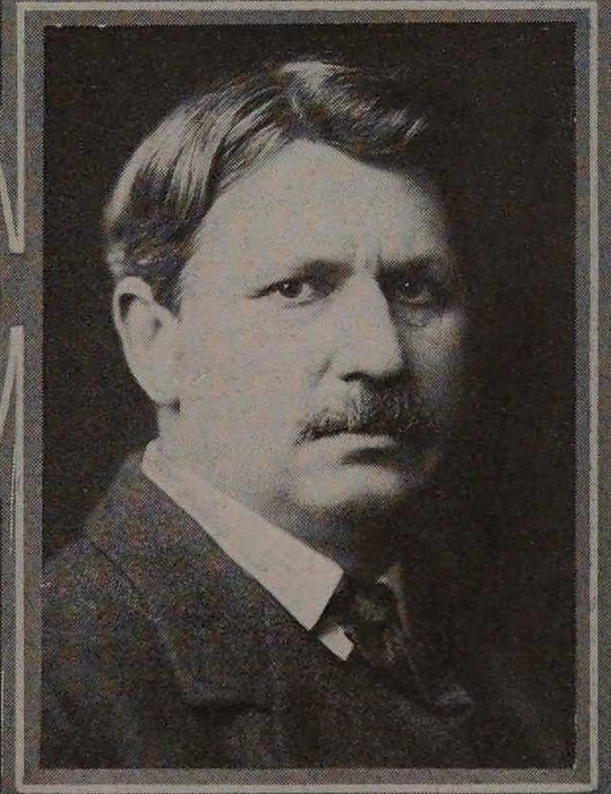
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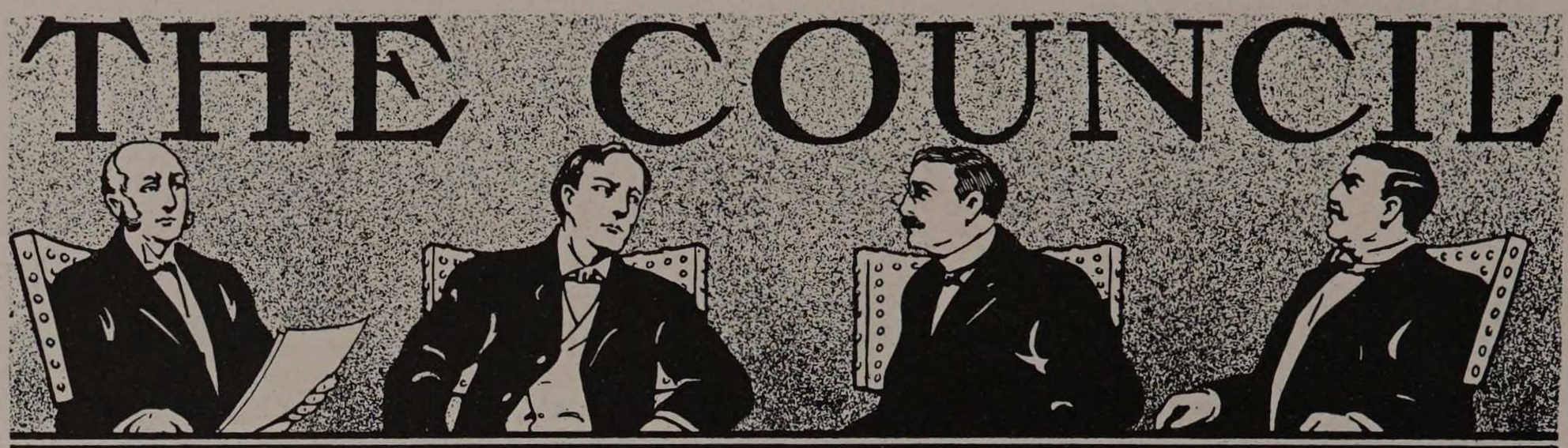


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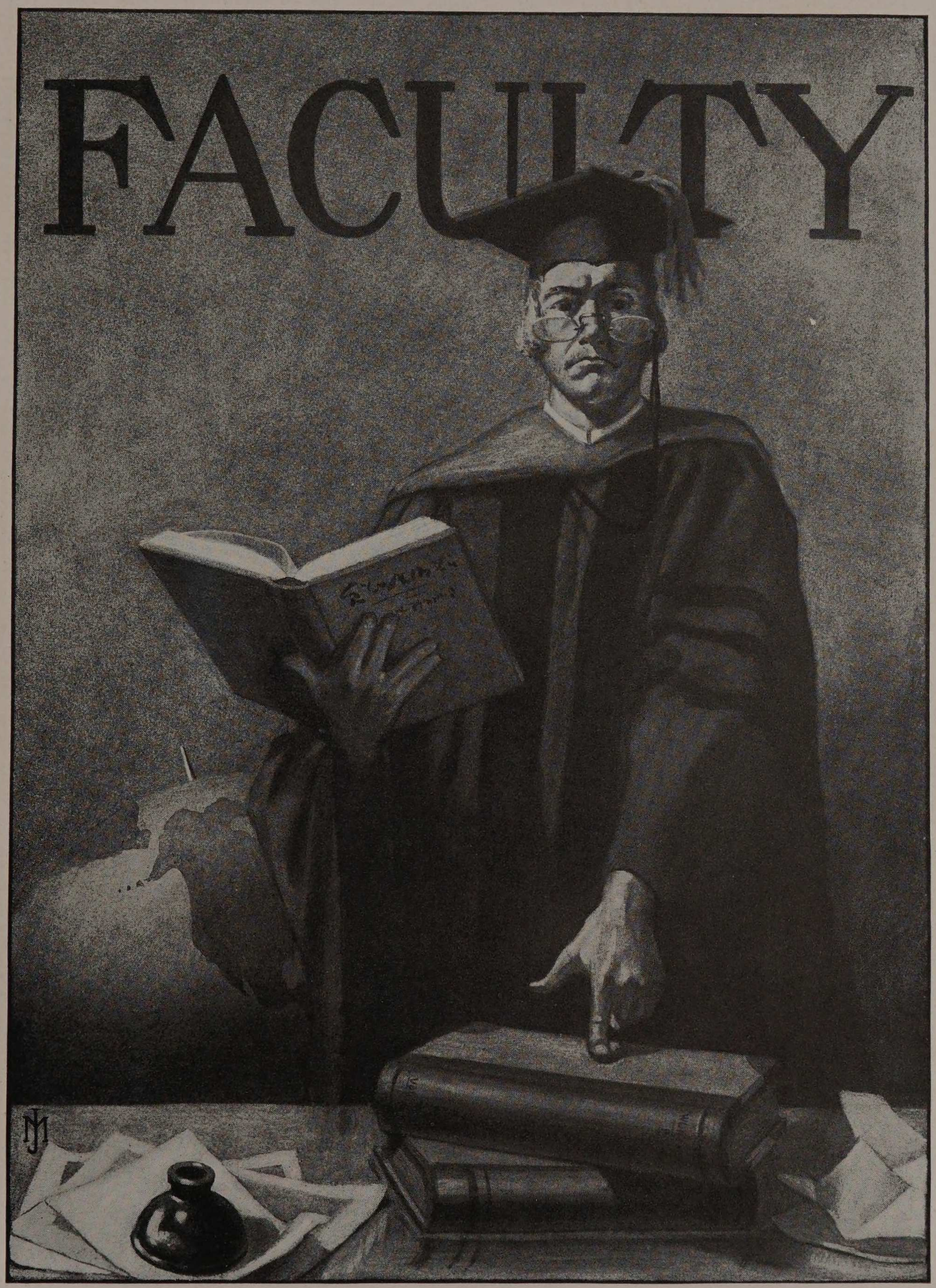


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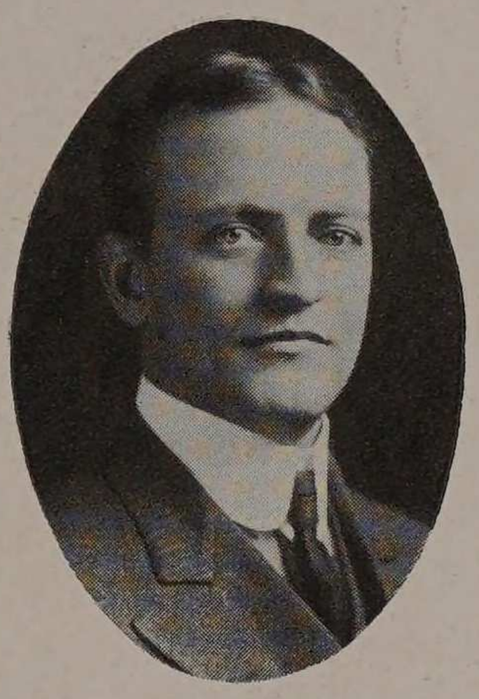
Birthplace, Rouse's Point, N. Y. A. B. and C. E., Union University, Schenectady, N. Y., 1887; A. M., 1890; Ph. D., 1894. Phi Delta Theta. Sigma Xi. Member of American Society of Civil Engineers. Residence, 1206 Morse Ave.



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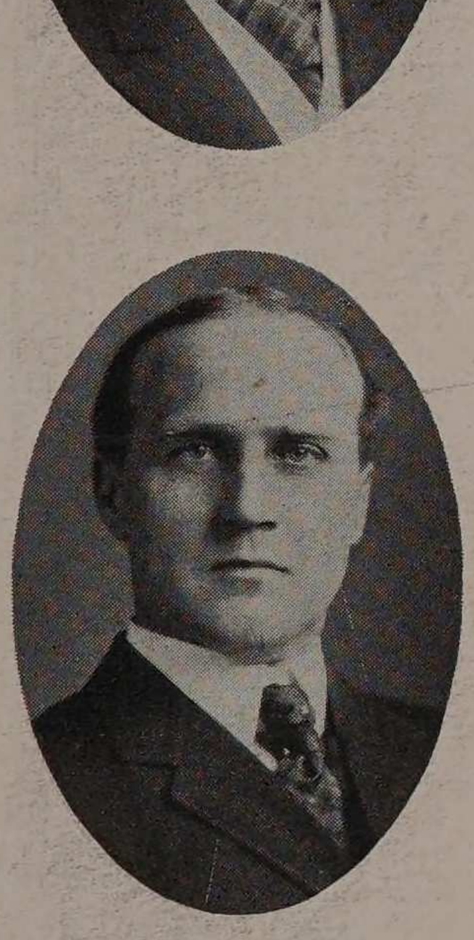
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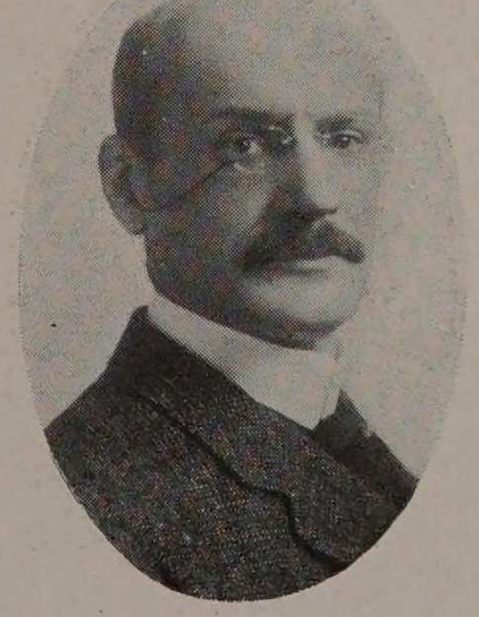
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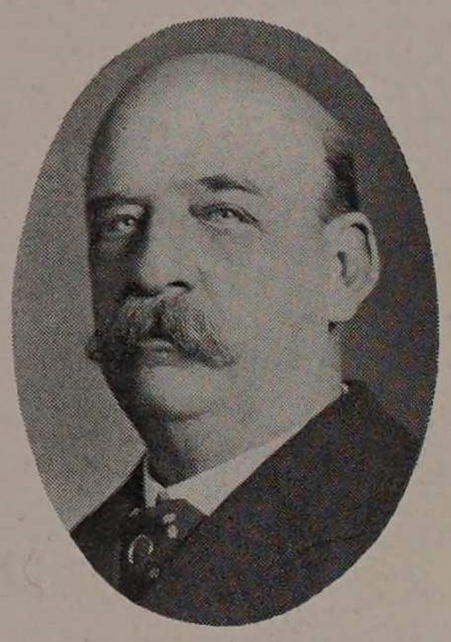
Birthplace, Athens, O. B. S., Ohio University, 1892; M. S., 1896. E. E., Armour Institute of Technology, 1901. A. M., Ohio University, 1904. Local Secretary of American Institute of Electrical Engineers. Author of "Senior Dynamo Laboratory Manual." Residence, 916 East 60th Street.



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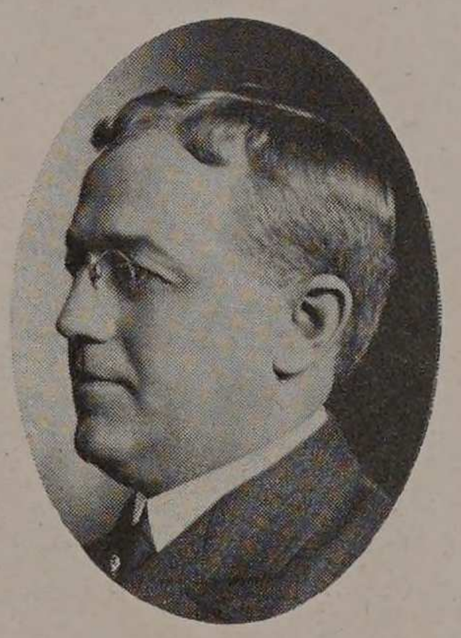
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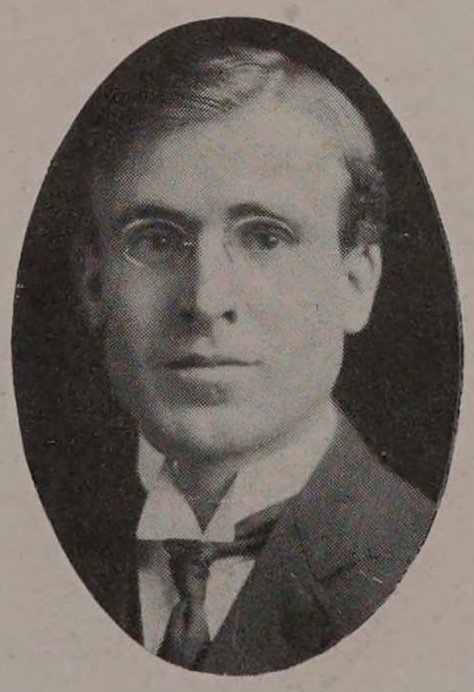
Birthplace, Belfast, Maine. B. S., Massachusetts Institute of Technology. Theta Xi, American Society of Mechanical Engineers, American Society for Testing Materials, and Society for the Promotion of Engineering Education. Original research on Chimney Drafts, and Strength of Materials. Residence, 6355 Ingleside Avenue.



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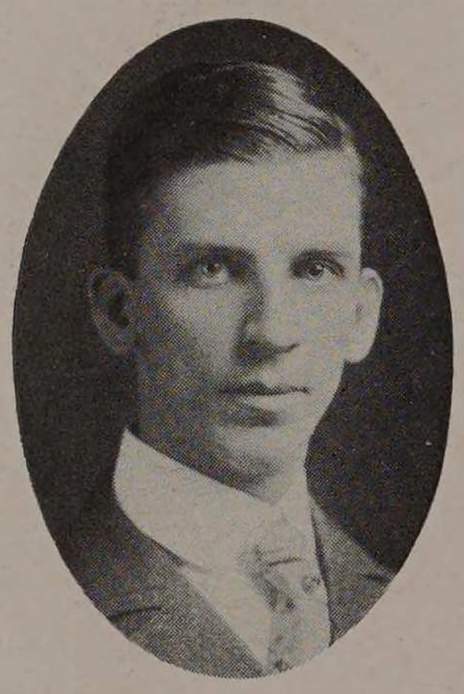
Birthplace, Stoneham, Massachusetts. S. B., Massachusetts Institute of Technology, 1904. Residence, 911 East 50th Street.

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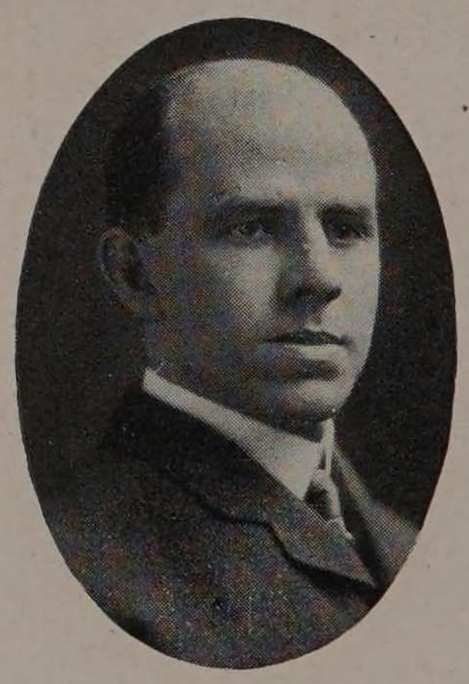
Assistant Professor of English.

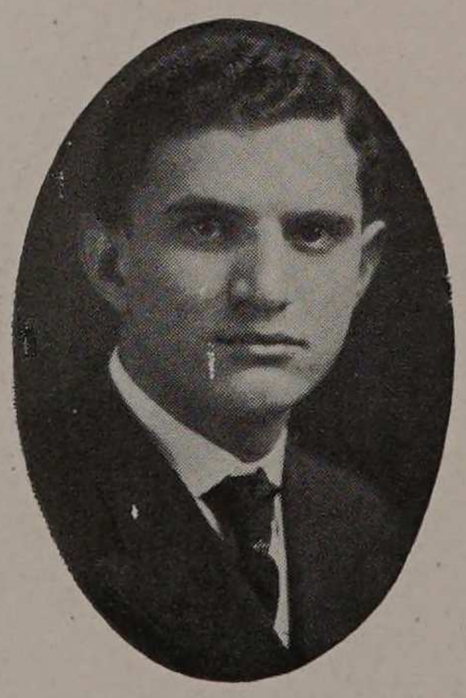
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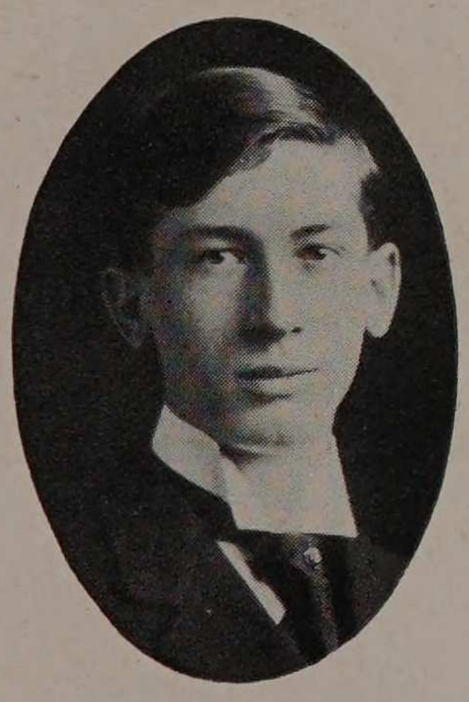
Birthplace, New York. Columbia University, A. B., University of Wisconsin, 1904; A. M., 1906; Ph. D., 1908. Phi Gamma, Phi Lambda Upsilon, and Sigma Xi. American Chemical Society and American Association for the Advancement of Science. Original research, A Study of Tellurides. Residence, 6030 Monroe Avenue.



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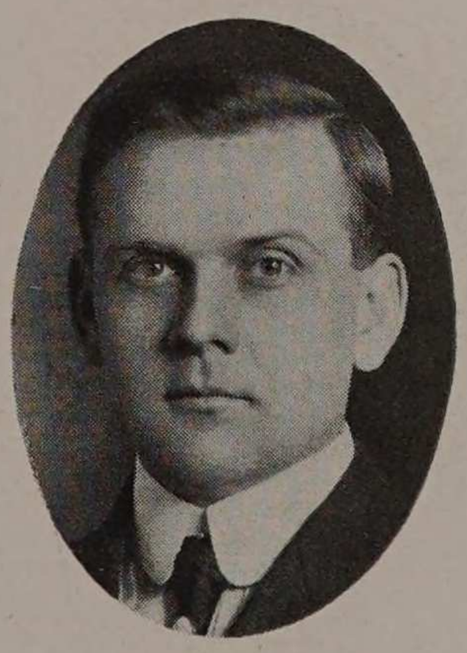
Birthplace, Washington, D. C. B. S., Massachusetts Institute of Technology, 1898. Winner of Chicago Architectural Traveling Scholarship, 1904. Phi Beta Epsilon. Member of Chicago Architectural Club, and of University Club. City address, 1004 Security Building.



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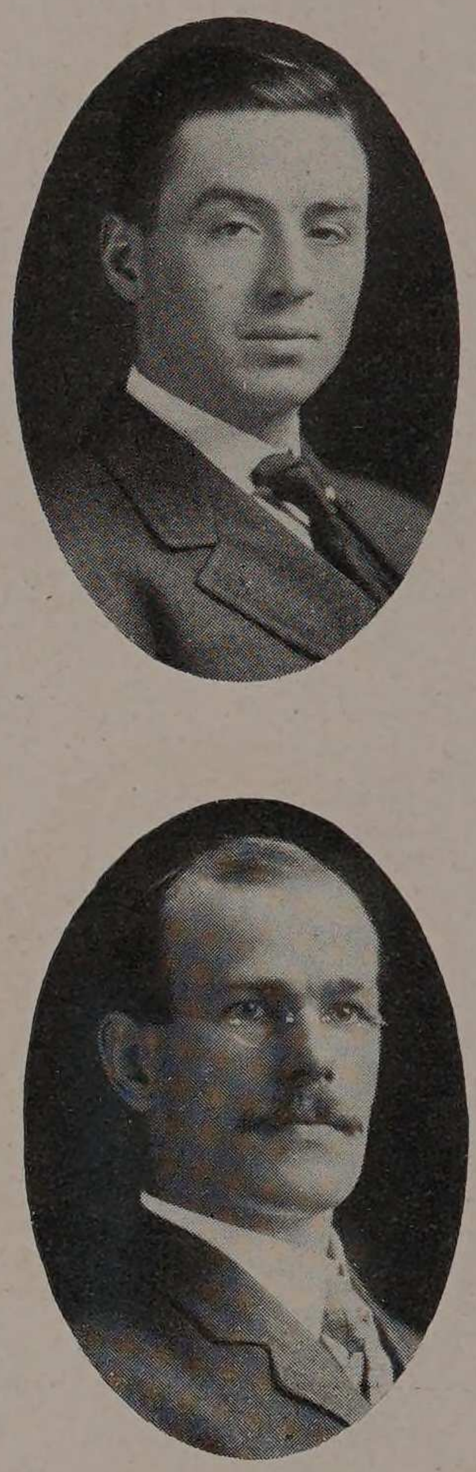
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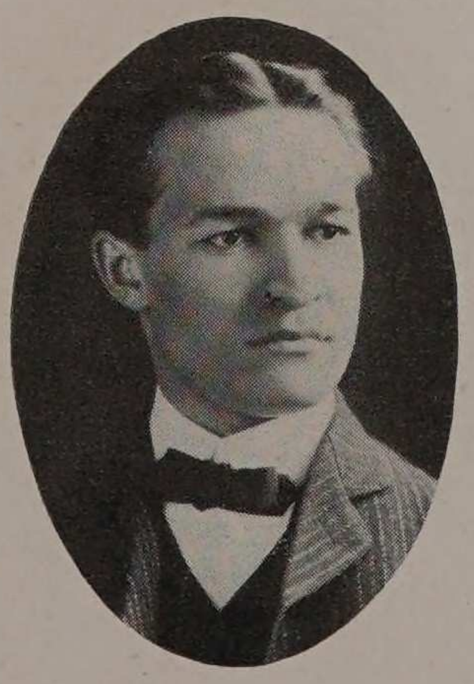
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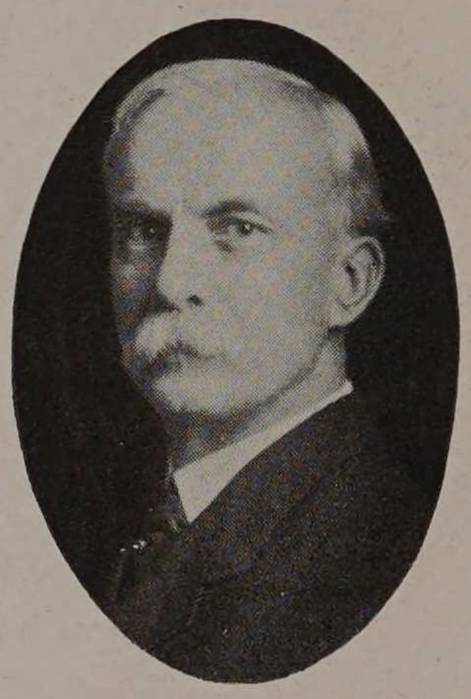
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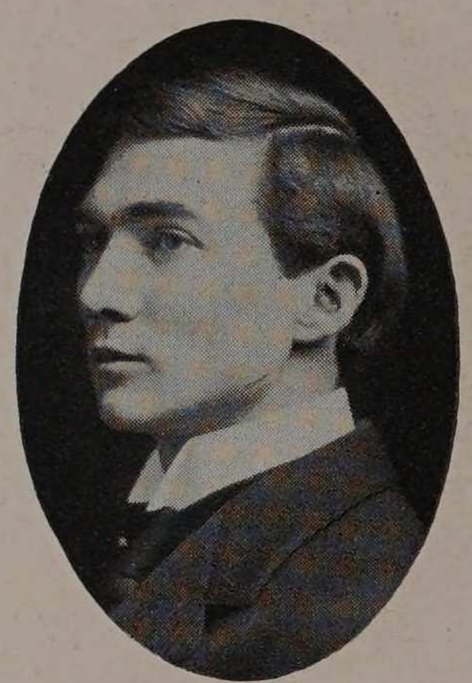
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ARTHUR H. ANDERSON.

Instructor in Experimental Engineering.

Birthplace, Chicago, Illinois. B. S., Armour Institute of Technology, 1902; M. E., 1907. Residence 4191 Wayne Avenue, Rogers Park, Ill.



JOHN E. LIND.

Instructor in Mathematics.

Birthplace, Chicago, Illinois. A. B., Amherst College, 1898. A. M., Harvard University, 1901. Graduate Student University of Chicago, 1901-1903. Residence, 1131 Madison Street, Evanston.



CHARLES F. HAGENOW.

Instructor in Mathematics.

Birthplace, Germany. B. S., University of Nebraska, 1900; A. M., 1906. Sigma Xi. Residence, 1262 Rokeby Street.



NELS P. PETERSON.

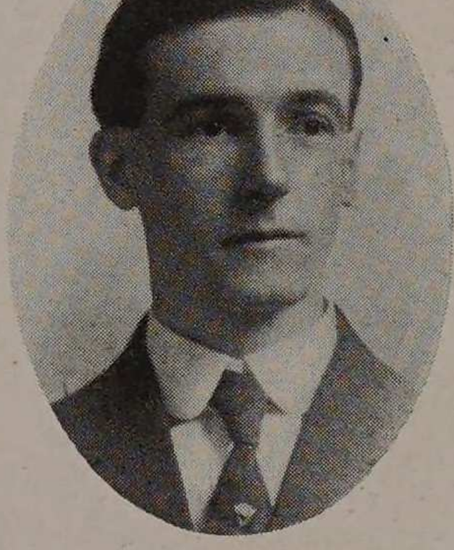
Instructor in Wood Working.

Birthplace, Hoganas, Sweden. Residence, 3139 Groveland Avenue.

JAMES CLINTON PEEBLES.

Instructor in Experimental Engineering.

Birthplace, Dreghorn, Scotland. Armour Institute of Technology B. S., 1904; E. E., 1908. Cornell University, M. M. E., 1908. Gamma Alpha, Tau Beta Pi, and Sigma Xi. Original research, An Oscillograph Study of Commutation. Residence, 6542 Stewart Avenue.



WILLIAM FRANKLIN WILLARD.

Instructor in Freehand and Mechanical Drawing.

Birthplace, Sabillasville, Maryland. University of Illinois, Bradley Polytechnic Institute, and University of Chicago. Residence, 3812 Indiana Avenue.



ALBERT J. WILLIS.

Instructor in Civil Engineering.

Birthplace, Fairton, New Jersey. C. E., Lehigh University. Tau Beta Pi, Junior Member of the American Society of Civil Engineers. Residence, 3548 Forest Avenue.



JOHN SIMPSON REID.

Instructor in Mechanical Drawing and Machine Design.

Birthplace, Kilmanock, Ayrshire, Scotland. Irvine College, British Government Science and Art Schools, Glasgow, Scotland. Member of American Society of Mechanical Engineers. Author of "A Course in Mechanical Drawing," and "Machine Drawing and Elementary Machine Design." Residence, 3312 Dearborn Street.



CHARLES EDWARD BOUTWOOD.

Instructor in Painting and Drawing.

Birthplace, London, Eng. Studied in South Kensington Museum. Scholarship Royal Academy School, London. Studied in Paris under Bouquereau and Fleury. Member Chicago Society of Artists. Residence, Hinsdale, Ill.



PERRY A. BOND.

Instructor in Chemistry.

Birthplace, Storm Lake, Iowa. B. S., State University of Iowa, 1901; M. S., 1908. Sigma Xi. Original research, The Effect of the Proximity of Negative Groups on the Oxidation of the Hydrocarbon Side Chain to the Benzene Nucleus. Residence, 4042 Michigan Avenue.



J. G. H. LAMPADIUS.

Instructor in German.

Birthplace, Leipzig, Germany. University of Leipzig, 1884-1885. A. B., University of Southern California, A. M., University of Chicago, 1900. A. M., University of Southern California, 1902. University of Oklahoma, 1904. Residence, 138 West 73rd Street.



JAMES PIERCE CUNNINGHAM.

Instructor in Forging.

Birthplace, Janesville, Ohio. Residence, 10124 Avenue L, South Chicago.



GEORGE EVERETT MARSH.

Instructor in Electrical Engineering.

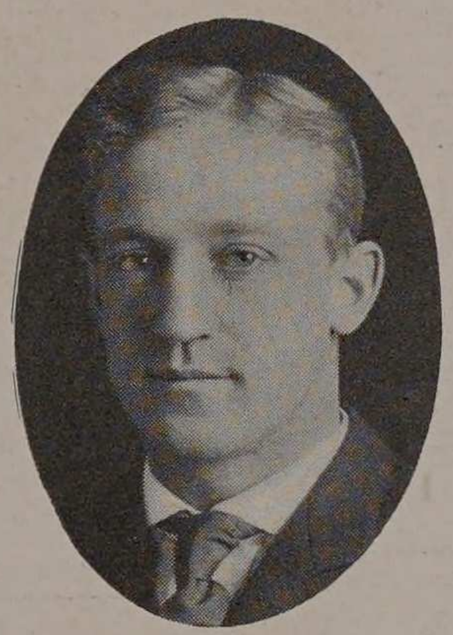
Birthplace, Georgetown, Colorado. Sc. B., Massachusetts Institute of Technology, 1902. Member of American Institute of Electrical Engineers. Illuminating Society, American Fern Society. Papers on Algebraic Equations of Lissajous's Curves of All Orders, New Theorems in Combinations, High Potential Interrupter, Machines for Describing Curves, etc. Residence, 3739 Indiana Avenue.



CHARLES H. FORNHOF.

Instructor in Machine Tool Work.

Birthplace, Chicago, Illinois. Residence, 1073 Winona Street.



WALTER HENRY BENSON.

Instructor in Chemistry.

Birthplace, Wausau, Wis. Carroll College, Waukesha, Wis. Wisconsin University, B. A. Original research, Portland Cements.

ASSISTANTS



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Electrician	CLAUDE D. BOWMAN
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Assistant in the Pattern Shop	NEIL M. THOMSON
Assistant in Electrical Laboratories	SAMUEL R. TODD
Mechanician	J. O. BLACHFORD

THE LIBRARY



MRS. JULIA A. BEVERIDGE
LIBRARIAN

A. I. T. HISTORY

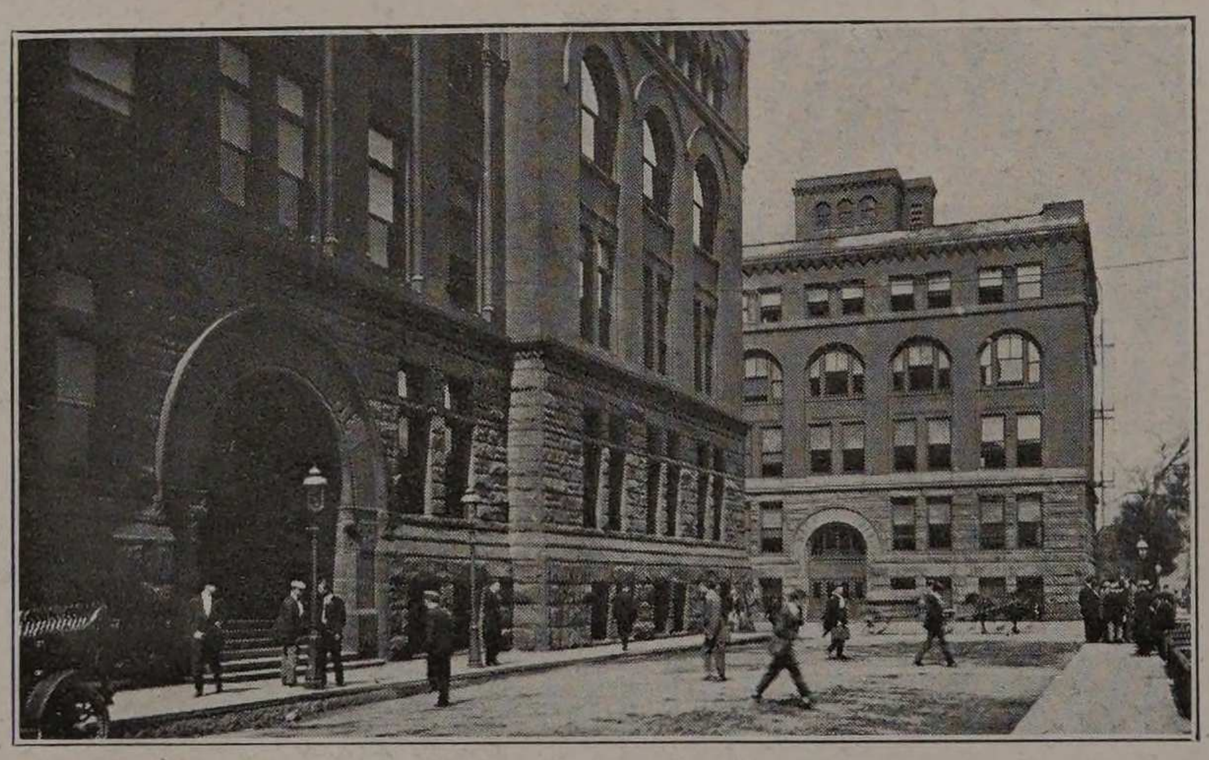


Armour Institute of Technology

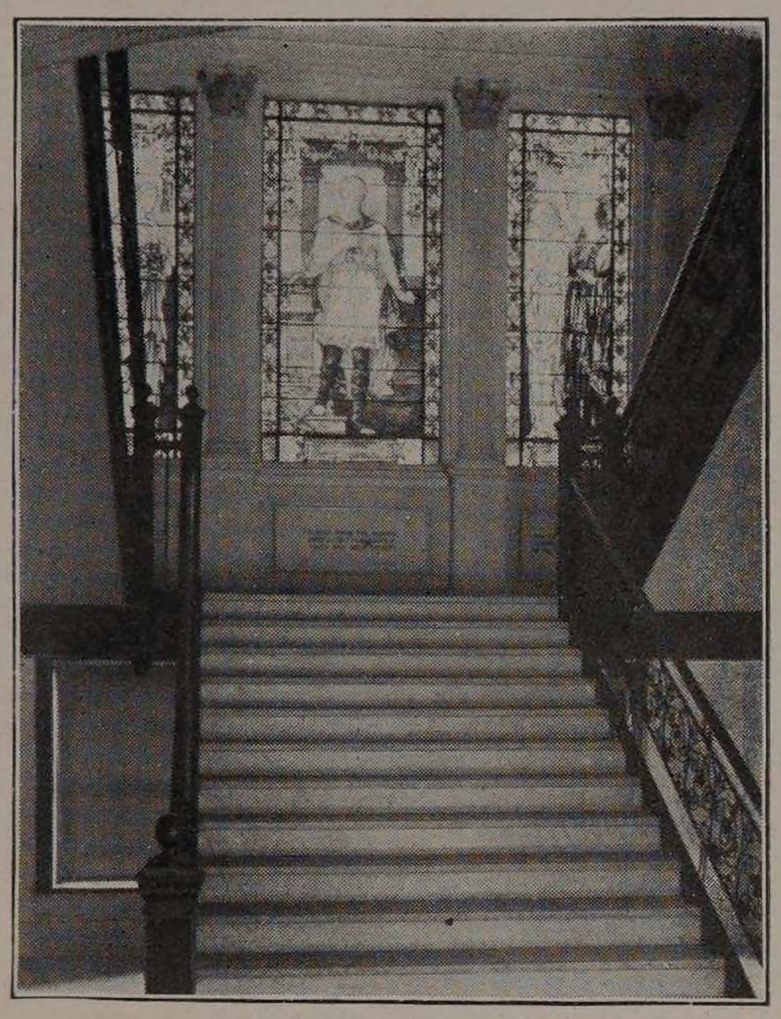
An Historical Sketch

IT seems odd to speak of the history of an institution which has been in existence for so short a period as has Armour Institute of Technology, but the time in which events have occurred at Armour is so far from being a measure of their magnitude that we are safe in saying that the history of Armour Institute of Technology is at least an interesting one.

Mr. Joseph F. Armour left, by his will, a hundred thousand dollars with which to build a Mission in Chicago for church, school, and educational purposes. To this his brother, Philip Danforth Armour added a large sum to complete and outfit the building. This was accomplished in 1886. Ever ready to help those who wished to help themselves Mr. Armour built at various times several large flat buildings in the neighborhood of the Mission, the revenue from which served to make it as far as possible self-sustaining. To the religious work, a free dispensary and library were added, the latter in charge of Mrs. Julia



WHEN THE SUN SHINES



MAIN HALL

A. Beveridge, the present librarian of the Institute.

Mrs. Beveridge organized classes in clay modeling and carpentry in connection with the Mission. The success of her endeavors so pleased Mr. Armour that he decided to take up educational work on a larger scale than the size of the Mission would permit. Thoroughly imbued with the idea Mr. Armour, accompanied by Dr. Gunsaulus and Mr. John C. Black, visited several eastern schools in order to prepare for the organization of what was to be Armour Institute of Technology. In 1892 a special charter was secured from the state government, the present "main building" erected and Dr. Gunsaulus made president of the Institute.

The first classes were organized in the fall of 1893, from a registration of some seven hundred young men and women. Instruction was offered in mechanical and electrical engineering, architecture and chemistry in the "Technical College," and in Domestic Science, Music, Commerce, Kindergarten work, Stenography, Bibliography, et cetera, in addition to the regular academic or high school course. Between 1896 and 1901 the courses in Domestic Arts, Normal training, Commerce and Music were dropped one by one to meet the



MR. SMITH DR. GUNSAULUS



BETWEEN CLASSES

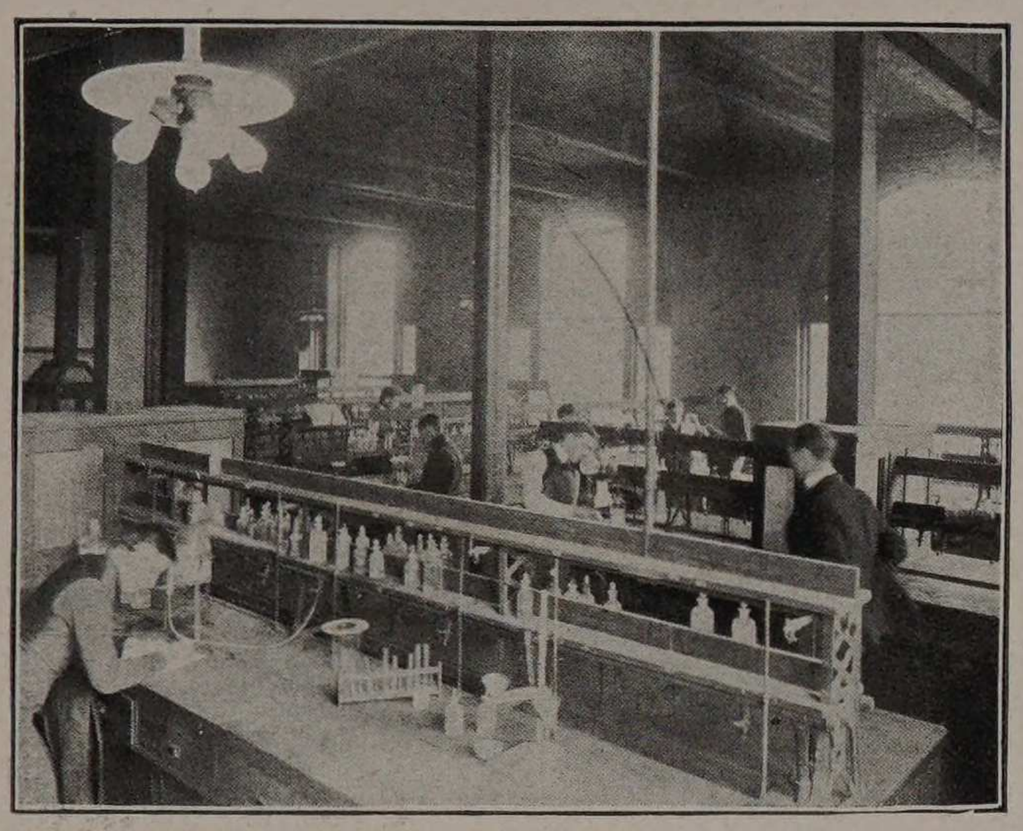
ever increasing demand for young men trained in applied science.

In 1903, ten years after its founding, co-education ceased to exist at Armour Institute of Technology. The Institute has thus come to be composed of the Engineering colleges, and the Scientific academy.

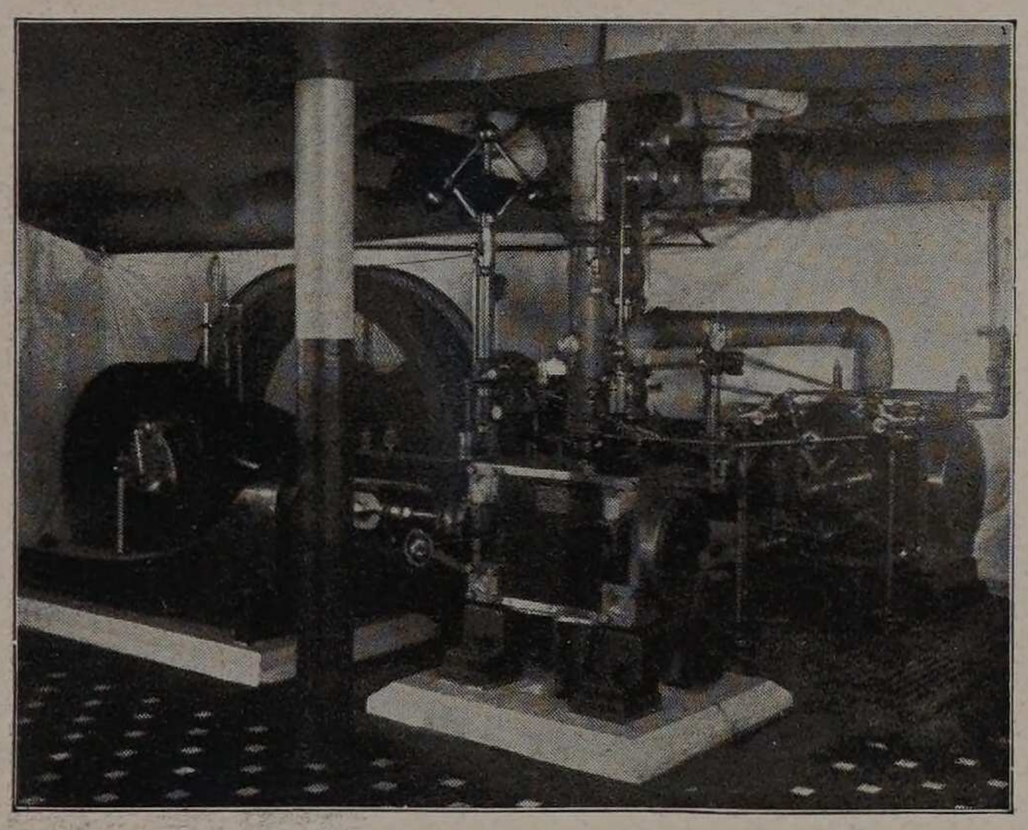
In 1902, Mrs. P. D. Armour, widow of the founder, gave Machinery Hall to the Institute. It was at once fitted out with a full complement of wood and metal working machinery by Mr. J. Ogden Armour, a son of the donor. A year later Mr. J. Ogden Armour presented the Institute with Ogden Field, a much needed place for athletics and recreation. The latest addition to the buildings of the Institute is Chapin Hall, named in honor of Mr. Simeon



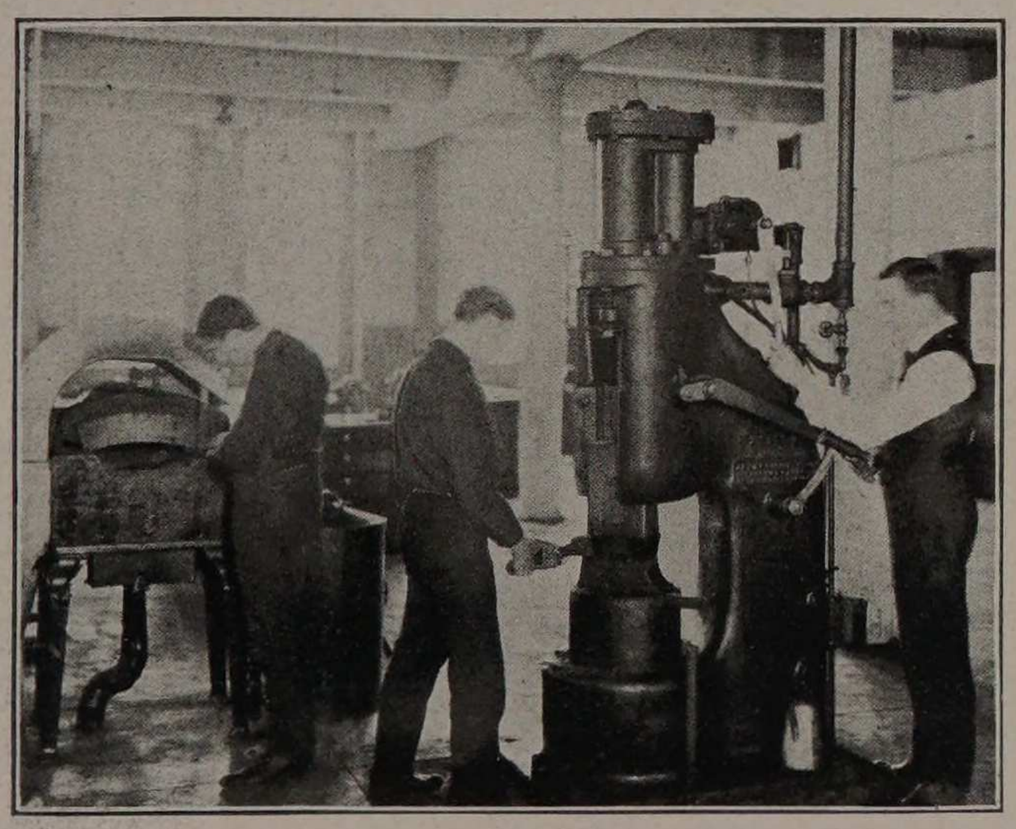
NOON HOUR



CHEMICAL LABORATORY



CORLISS ENGINE FOR TESTING



IN THE FORGE SHOP

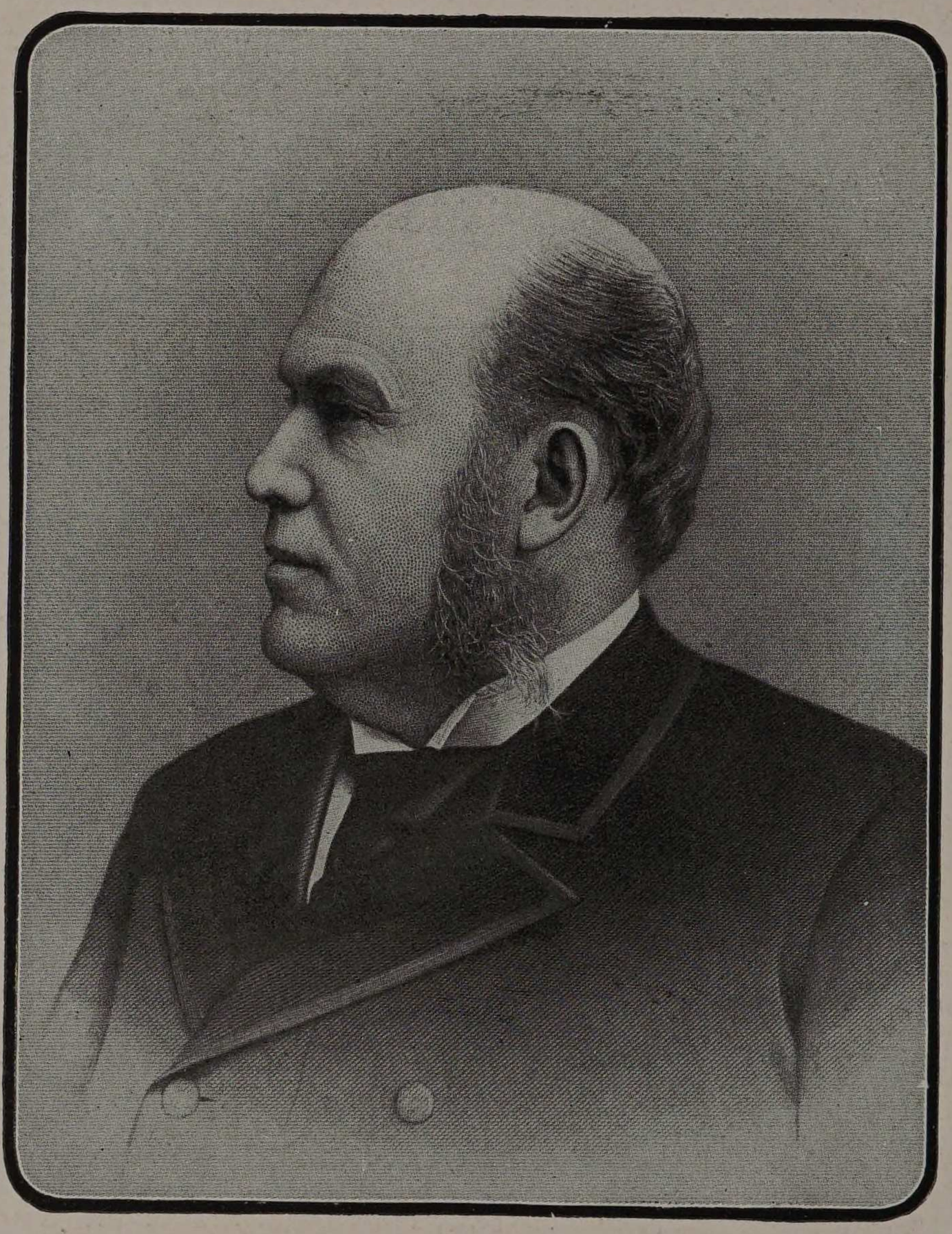
B. Chapin, through whose generosity it was possible to establish Chapin Club which has rooms in the building. This structure also serves to house the Engineering societies, the physics laboratory, a large draughting room, and the offices of the "Fulcrum," "Engineer," "Integral," and Board of Athletic Control.

In scope Armour Institute of Technology confines itself exclusively to instruction in Architecture and Engineering, and courses preparatory thereto.

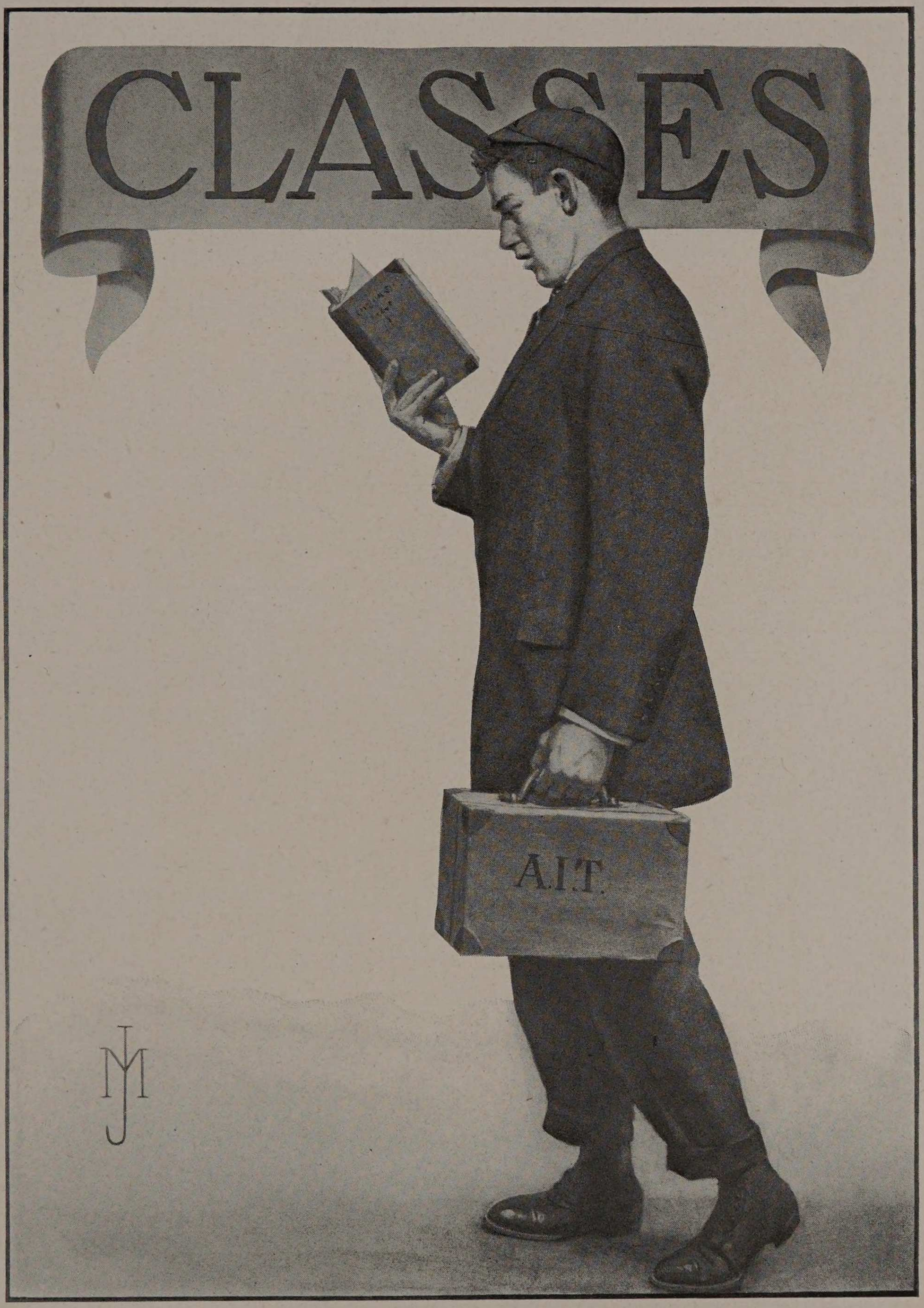
Students come to Armour from almost every state in the Union, and from both Occident and Orient. Her Alumni are scattered all over the world. Not a few of them are engaged in the electrical industries at Pittsburg, while many are teaching engineering in western colleges.

While the number of her graduates as compared to that of the older engineering colleges is small, their work speaks well for their instruction and training by the faculty of their Alma Mater.

The remarkable fact that so great an institution has become established in so short a time, renders it all the more fitting as a monument to the sublime integrity, the grandeur of character and the generosity of its founder, Philip D. Armour.



Philip D Armour


CLASSES
A.I.T.

The College of Engineering

OF

Armour Institute of Technology

33rd Street and Armour Avenue

Chicago, Illinois

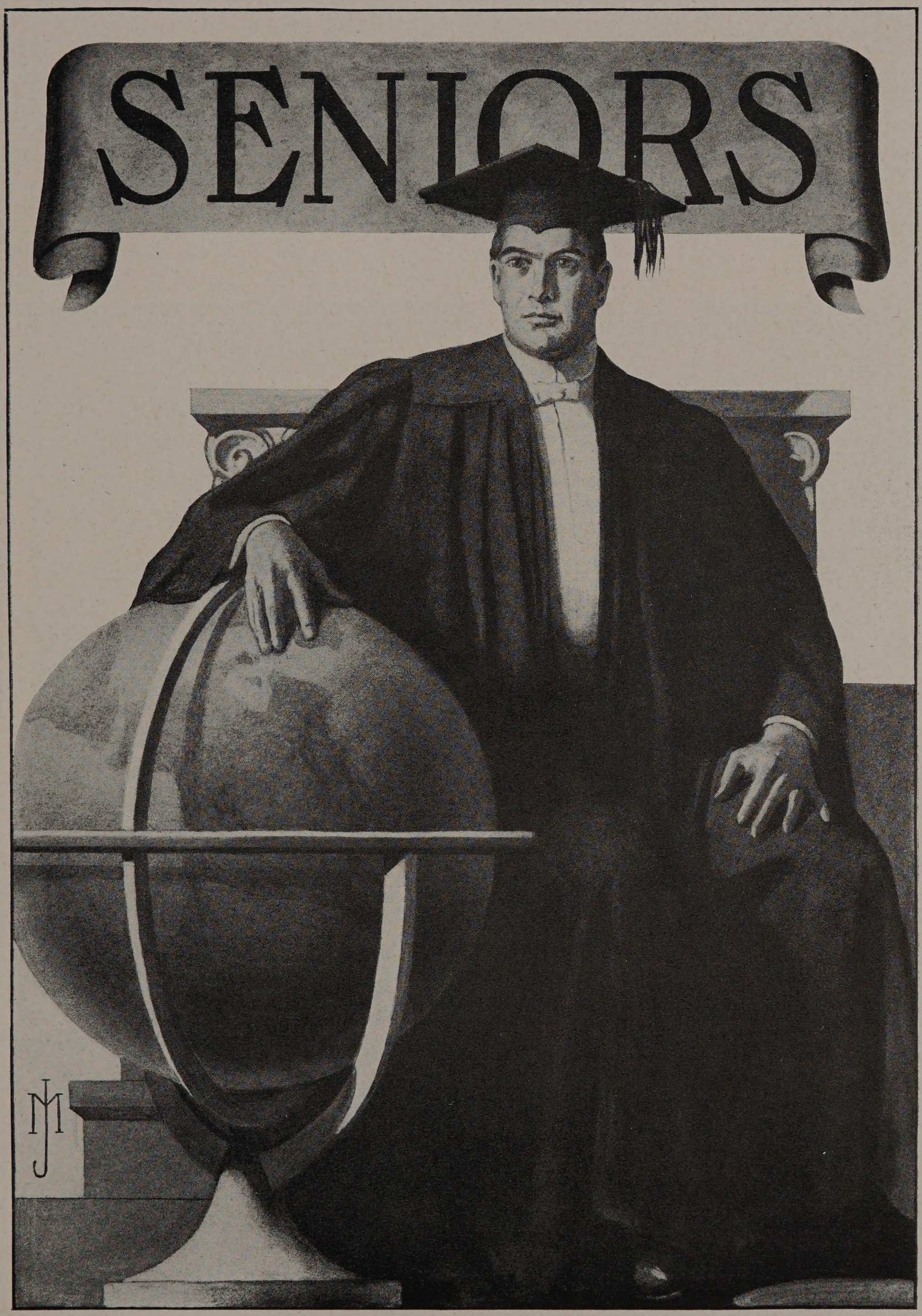
Founded 1892

by

PHILIP DANFORTH ARMOUR

COLORS: *Yellow and Black*

YELL: *"Arch! Mech!*
Civ! Elec!
Rah! Rah!
Armour Tech."

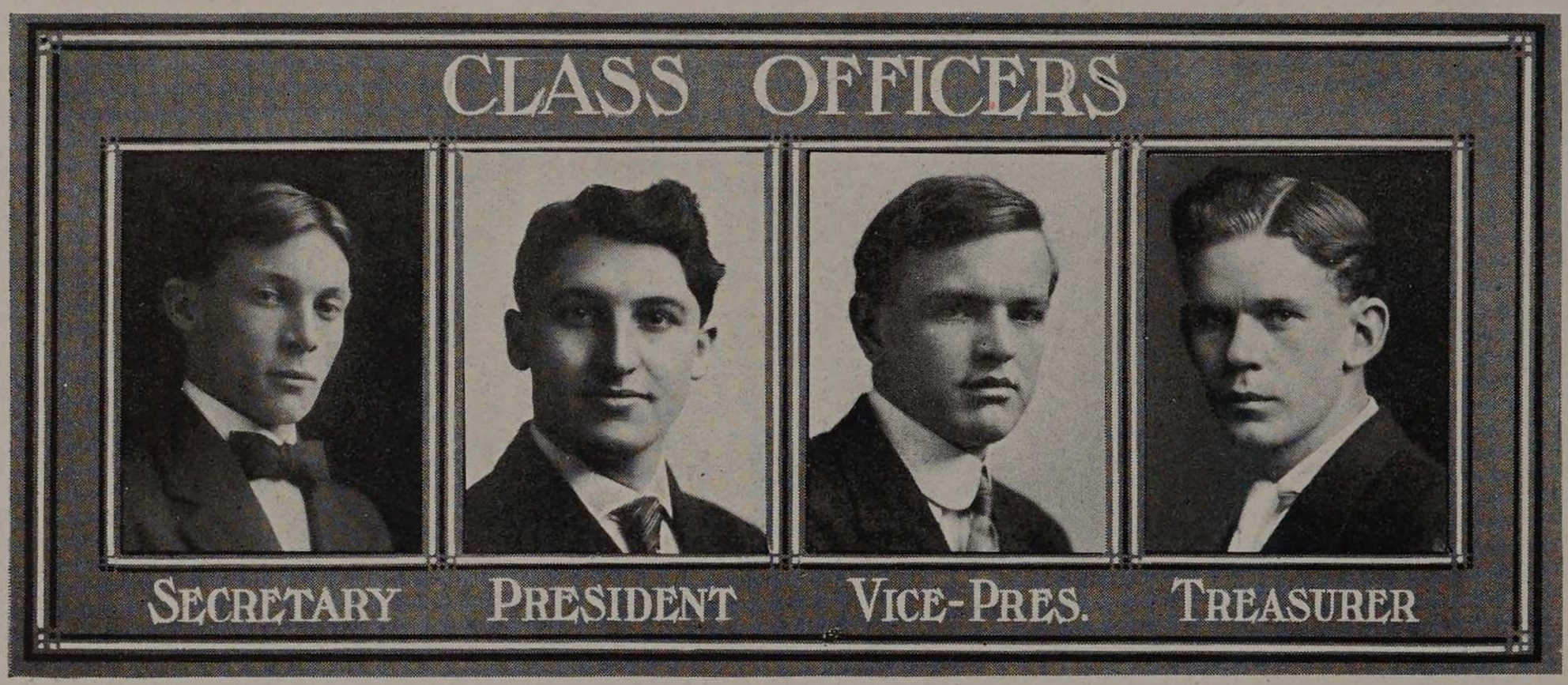

SENIORS

The Class

OF

Nineteen Hundred and Nine

Seniors



F. C. VAN ETTEN R. A. WALTHER R. T. EVANS I. PETERSON

COLORS: *Blue and White.*

YELL: *"You bet we're fine!*
Armour Tech.! '09!"

INTEGRAL REPRESENTATIVES

MILTON C. SHEDD RALPH A. WALTHER

FULCRUM REPRESENTATIVE

EDWIN B. CRANE

SOCIAL COMMITTEE

E. V. MCKARAHAN DONALD D. DICK CURTIS M. LINDSAY

List of Members of the Senior Class

STUDENTS IN CIVIL ENGINEERING

Anderson, H. C.
Beckman, Herman E.
Chamberlin, E. W.
Dawson, Manierre
Dick, Donald D.
Ebert, A. A.
Ecklund, C. A.
Frisbie, Henry C.
Harger, Kendrick
Johnson, R. W.
Megahy, James
Niestadt, Fred A.
Peterson, Ivan
Richards, T. E., Jr.
Schlinz, H. W.
Sturtevant, Roy W.
Urson, Frank J., Jr.
Walther, Ralph A.
Youngberg, Harry W.

STUDENTS IN MECHANICAL ENGINEERING

Aurelius, S. J.
Boblett, K. M.
Boughton, N. J.
Conlin, W. F.
Crabbs, Austin
Dekker, Harry G.
Evans, Robert T.
Grassby, G. A., Jr.
Hall, A. G.
Harvey, James S., Jr.
Holmes, W. E.
McAuley, Benjamin
Mayes, Frank H.
Menkin, Jesse I.
Parry, G. G., Jr.
Shedd, Milton C.
Spitzglass, J. L.
Stillman, E. H.

STUDENTS IN ELECTRICAL ENGINEERING

Aronian, Zareh
Bexton, Louis N.
Binder, Guerdon A.
Bremers, Henry J., Jr.
Crane, Edwin B.
Curtis, Harry S.
Downton, Percival G.
Fitch, Joseph E.
Goheen, Geo. G.
Guthrie, J. F.
Heim, Karl
Hirschfeld, George
Jones, Chas. H.
Kahn, Lamos
Lindsay, Curtis M.
Ostergren, Harry N.
Perrin, Arthur A.
Peters, William H.
Petty, E. W.
Pinkerton, E. M
Riker, A. C.
Rose, Herbert
Schueler, William M.
Simpson, Tracy W.
Stadeker, G. I.
Strong, A. P.
Valerio, G. M.
Van Etten, F. C.
Zanzig, Frank C.

STUDENTS IN ARCHITECTURE

Buckett, A. C.
Hagerup, L. O.
Neu, Matthew
Von Gunten, Orlando
Waldo, Alfred T.

STUDENTS IN CHEMICAL ENGINEERING

Chatain, Paul E.
Dunham, J. T.
Ford, T. C.
Hammond, E. K.
McMullen, E. W.
Smith, Hallam C.

STUDENTS IN FIRE PROTECTION ENGINEERING

Ahern, J. F.
Oberfelder, W. S.
McKarahan, E. V.
Tregay, John



JOHN F. AHERN, Fire Protection Engineering.

Radical X; Sphinx; Editor Fulcrum, '08-'09; Class Baseball Team, '07, '08, '09; College Baseball Team, '07, '08, '09; prepared at Wayne High School, Wayne, Nebraska; Nebraska Normal College, and Notre Dame University.

Jack Ahern—a fire-protect, and at your service, sir! As an all-around good fellow, and as one of the best fireman ever turned out at the "Stute," this hero is well qualified to head the list of the class of nineteen nine. It sure is great to see him handle fire hose and rescue fainting maidens from the twenty-ninth story of a blazing building. Away out at Wayne, on the prairies of Nebraska, a munificent stork left a chubby little howler on October 8, 1887. After reaching years of discretion the hopeful moved to Kankakee, where he soon acquired fame as a baseball player. Nowadays when the crowd of pickaninnies along "Cap" Larson's back fence cry, "Put 'em in Lehigh's winder, Red," the watching audience in Ogden Field expect to see Ahern knock a long fly to the Mission.

HARRY CLIFFORD ANDERSON, Civil Engineering.

Armour Civil Engineering Society; prepared at Martin High School, Martin, Mich.

"Andy," of American Bridge fame, first saw the light of day at Martin, Mich., on August 11, 1886. Whether it was the atmosphere of Martin or the smoke of Pittsburg that caused "Andy's" hair to stand on end we are not prepared to say. At any rate, he sports a well-developed pompadour that would be a great credit as a clothes brush. Instead of using his "pomp" as a sweeper in Chapin Club, he is using his brains, and is giving off his knowledge of bridge design in aiding Richards and Schlinz to design a single-leaf railroad lift bridge.

ZAREH AARON ARONIAN, Electrical Engineering.

Armour Branch A. I. E. E.

Zareh was born in Smyrna, Turkey, April 21, 1882, and achieved his B. A. from the Greek Gymnasium, International College of Smyrna, before coming across the pond. He was not thoroughly initiated into American ways and customs until a bold, bad man pointed a big gun into his face one dark night last year and told him to shell out his watch and spare coin. Since then he doesn't walk around the flats alone late at night. The past year he has assisted Zanzig in thesis work on the Rouge and Foget Permutator.

SAMUEL JOB AURELIUS, Mechanical Engineering.

Phi Kappa Sigma.

Radical X; Senior Mechanical Society; Glee Club, '06.

This tall, English-looking patriot from Pullman was born in Chicago, July 29, 1885, and has passed rather uneventfully through college. A switch of course in his Sophomore year gave him several make-up studies, and hence he has earned the cognomen of "Night School Sammy." One of his chief peculiarities is that he can work all day on the Corliss and not get a speck of grease on his clothes. He is often absent from eigth-thirties, but nevertheless managed to pull straight A's from Bowser. Sammy has something of a deep bass voice, with which he is wont to amuse the inhabitants of his native burg. Just at present Sammy is helping Jimmy weigh water in an experimental research on the flow of water through nozzles.

HERMAN ERNEST BECKMAN, Civil Engineering.

Tau Beta Pi.

Armour Civil Engineering Society; President '08-'09; College Basketball Team, '06-'07, '07-'08, '08-'09; Captain, '08-'09; Class Basketball Team, '05, '06, '07, '08; Manager, '07-'08; Class Baseball Team, '06; prepared at Ellsworth High School, Naperville, Ill.

"Beck," the idol of the Armour "girls," comes from good old Naperville, having been enrolled there since June 12, 1886. "Who'd 'a' thunk it?" He, like a few others, is able to combine athletics with his studies, and is a credit to both. The girls say that he blushes "just too beautiful for anything." If you don't believe it, watch him the next time "Pete" is kidding him. This probably accounts for his short sojourn in Northwestern College—his blushes most likely became too frequent. He is now engaged in bettering his home town by laying out a system of street pavements.

LOUIS N. BEXTON, Electrical Engineering.

Nebraska Club; Vice-President, '07-'08; Class Track Team, '06, '09; Manager, '06; Class Baseball Team, '06, '07, '08, '09; prepared at Omaha High School, Omaha, Neb.

"Louie" is a Nebraskan, with Hastings as a birthplace, and July 17, 1885, as a date. Upon his arrival at Armour the lad gave great promise of a long-distance runner, but one day was spiked in a track meet, and the resulting blood-poisoning made him give up all hopes of glory in that line. He is still able to get around well enough to become one of the main factors of his class's baseball team. With Pinkerton, the boy scout girl detective, "Louie" is making a thorough study of lightning arresters, which should be of great value to his constituents down in Nebraska.

GUERDON A. BINDER, Electrical Engineering.

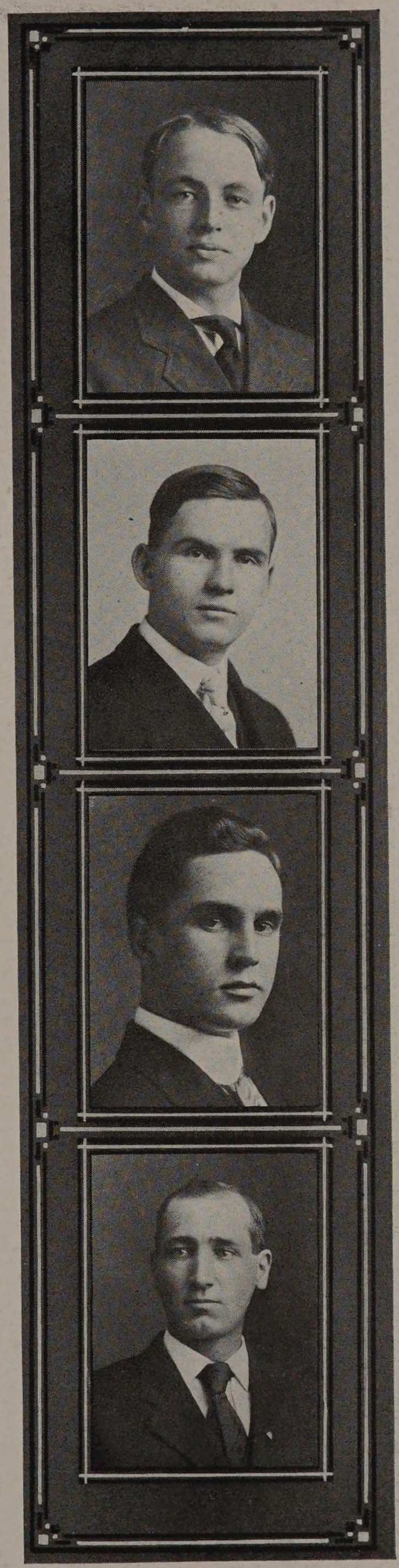
Armour Branch A. I. E. E.; prepared at Earleville High School, Earleville, Ill.

This estimable young man came to us from Earleville, wherever that is, where he was born January 12, 1885. He is one of the few also-rans who were passed on to us by the class of '08. Binder is quite a star in the Electrical Lab, but is not quite so handy with steam pipes and indicator cards in the Mech Lab, as certain experiences in the past year indicate. However, he has no trouble in convincing the Deans that he is entitled to a diploma for his efforts. Binder was identified with the athletes of the class of '08, especially in baseball, where he starred for three years.

NEWELL J. BOUGHTON, Mechanical Engineering.

Mechanical Engineering Society; President, '08-'09; prepared at Plainfield High School, Plainfield, Ill.

"N. J." is one of the old heads of the class of '09, having been born August 9, in the year A. D. 1880. After having graduated from the local high school of Plainfield, he started out to earn his fortune at drafting. This he found to be a very slow process, and thus we find him wending his way to the "Stute" to learn an easier method of mining his way to fame. The Mechanical Society is now in the midst of a very successful year under his able guidance. This in itself is a fine testimonial to a man's genius, as any former president of the society will witness. He is now attempting to show Armour & Co. the great saving resulting from their use of a gas producer.





ARTHUR CHARLES BUCKETT, Architecture.

Tau Beta Pi.

Atelier; Class Track Team, '07; Class Football Team, '05; Class Treasurer, '06-'07; prepared at Englewood High School, Chicago.

"Buck," our Canuck friend, must have lived always or else is ashamed of his age, as he didn't deem it necessary to give the date of his birth; but we can guess that Canada was his native country. The climate up there didn't agree with our "arshiteek," so he came down to Chicago many years ago. While working for the Royal Trust Company bank he became rich enough—we won't ask how—to enter Armour. Two years ago he was elected class treasurer, and in his Junior year, as a logical sequence, he was married. When asked at a dance whom he had brought, he replied, "I brought my wife this time." As a builder and designer of baseball parks and triumphal archs Buckett is without a peer.

EARL WILLIAM CHAMBERLIN, Civil Engineering.

Delta Tau Delta.

Radical X; Armour Civil Engineering Society; prepared at Wendell Phillips High School, Chicago.

Earl decided to enter this world at Hoopeston, Ill., and chose July 24, 1884, as the date. But don't worry, dear reader, this will not disgrace him for life. He is not only a student, but a business man as well. During the years that he has attended Armour he has been the proprietor of a book store on the south side, so that he could obtain the wherewithal to continue his studies. Although he is built in small foundations—namely, his feet—he nevertheless has a large capacity for work. This is shown by the fact that he started one thesis and then switched to another one. At the present writing he is designing a waterworks system for Buchanan, Mich.

WILLIAM FRANCIS CONLIN, Mechanical Engineering.

Mechanical Engineering Society; Manager College Basketball Team, '08, '09; Class Basketball Team, '06, '07, '08, '09; Class Baseball Team, '06, '07, '08, '09; prepared at Armour Scientific Academy.

"Jerry" comes from Ohio, having decided upon Youngstown as his birthplace, March 25, 1887. William, as he is known in Brighton, is quite a ladies' man, and is one of the most popular young men in McKinley Park, and that's going some. He knows more girls per minute than six ordinary men would know in a lifetime. He keeps the girl question well separated from school, however, though he used to come to school years ago with one of the correspondence school girls. Jerry is quite an athlete, too, with a managership of the college basketball team still on his hands.

EDWIN BARNES CRANE, Electrical Engineering.

Armour Branch A. I. E. E.; Chapin Club; Vice-President '07-'08; Class Treasurer, '05-'06; Class Vice-President, '06-'07; Class President, '07-'08; Freshman Smoker Committee, '08; Assistant Business Manager Fulcrum, '06-'07; Class Bowling Team, '06, '07, '08, '09; Manager, '07; Class Foot-ball Team, '05; prepared at Chicago Manual Training School, Chicago.

Eddie is one of the "show-me" tribe, with a birthplace at St. Louis, some time in the year 1885, the exact date having been forgotten by the forgetful youth. Like several members of his class, he has taken an active part in just about everything that has gone on, from athletics to study, with a slight emphasis on the study. His friends say he is a very precocious fellow, but Eddie does not believe in letting classes interfere with a chess game. Eddie worked the Chicago Edison Co. for three years before he came to Armour, and we have high hopes of seeing him do something bigger in the years to come. As a class president he is a la-la who knows Roberts' Rules of Order from cover to cover.

HARRY STUART CURTIS, Electrical Engineering.

Armour Branch A. I. E. E.; prepared at Stratford High School, New Zealand.

This exiled Britisher was born in far-off Stratford, August 29, 1884. He is very tame, and, in fact, quite civilized for an Englishman, having never thrown any boomerangs since leaving his native land. Several years ago he was featured by the late lamented correspondence adjunct of the "Stute," but he has fully recovered from such course of instruction and is now a real engineer. His smiling countenance has been much seen the past years in the machine shop as third assistant instructor, but his best shines in his thesis, "The Determination of the Ratio and Phase Angle Errors of Current Transformers."

MANIERRE DAWSON, Civil Engineering.

Tau Beta Pi.

Armour Civil Engineering Society; Corresponding Secretary, '08-'09; prepared at Wendell Phillips High School, Chicago.

This apostle of the learned is a product of good old smoky Chicago, having registered here December 22, 1887. He is one of the quiet sort and a living example of the old adage that "still waters flow deep." Although a member of the Tau Beta Pi, Manierre certainly does not believe in doing any more work than he really has to do. But he is destined to work, as he is going to start his thesis in the near future, and will soon have his name on the roster of those who love to claim Armour Tech as their Alma Mater.

HARRY GARRETT DEKKER, Mechanical Engineering.

Tau Beta Pi.

Mechanical Engineering Society; Treasurer, '08-'09; prepared at Calumet High School, Chicago.

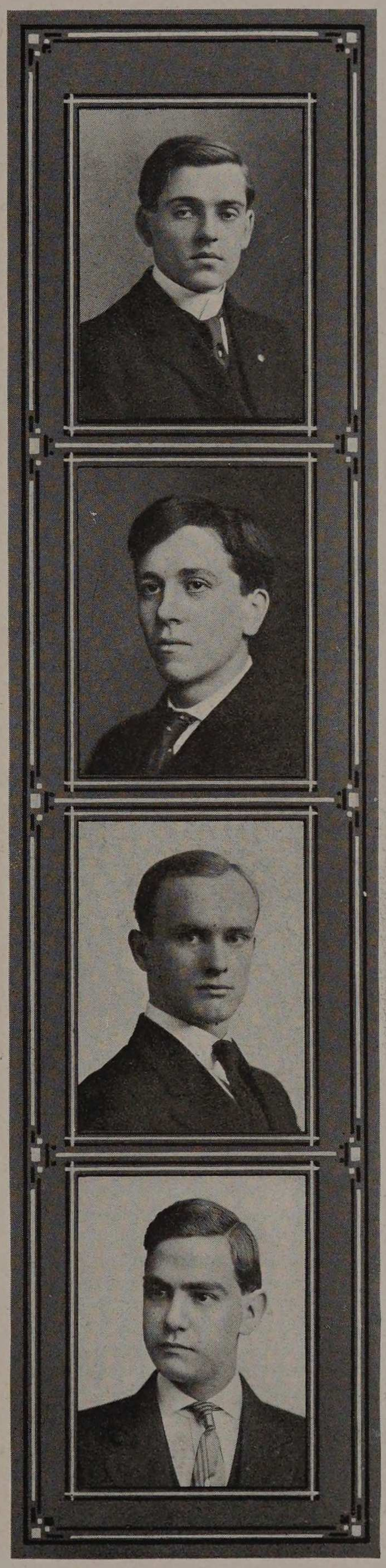
This illustrious product of Roseland first breathed Chicago's smoky air on March 15, 1887. After successfully getting through the curriculum of Calumet he came to the Tech and concluded that he would not be an architect, but a mechanical engineer. In the regular course of events he became, with the rest of the '09 mechanicals, a member of Perry's Goat Club. Somehow he acquired the cognomen or nickname of "Damudutch"—we believe from "Spike." He is quite a brilliant student, even though he is a Dutchman, being able to read the hieroglyphics in a shoe and tell you what size you wear. He is now trying to find some kind of efficiency in a four-cylinder, four-cycle automobile engine.

DONALD DOUGLAS DICK, Civil Engineering.

Delta Tau Delta.

Radical X; Armour Civil Engineering Society; Sphinx; Glee and Mandolin Club; Assistant Manager, '06-'07; Business Manager Fulcrum, '06; Chairman Social Committee, '06, '07, '08, '09; prepared at Rockford High School, Rockford, Ill.

D. D. D., the society man from the civil department, hails from Crab Orchard, that historical town in the Blue Grass State, but claims that he was sent from heaven in 1886 to the worshipful inhabitants of Topeka, Kansas. Notwithstanding that his initials have an ominous aspect, Donald has been able to finish college with a noticeable lack of notices from Dean Clasen. His one worry in life is the fact that nature intended him to be a patriarch, and it takes daily prunings to keep his face as smooth-shaven and as white as Frisbie's face is. Father Dick has been a credit to his class in every way, especially in the social line, as for three years he has managed class dances and the like. A queer thing about him is his thesis—just think of a man from Kentucky designing a waterworks!





PERCIVAL GEORGE DOWNTON, Electrical Engineering.

Tau Beta Pi.

Armour Branch A. I. E. E.; College Track Team, '07-'08; prepared at Englewood High School, Chicago.

"Percey" dates his career from February 26, 1888, having first seen daylight on that date here in Chicago. We do not know whether he was always a big boy, but as long as we have known him he has been a bright and easily distinguishable blot on the horizon. One of his most famous achievements is that of shooting "Shorty" in the S. P. last year, when appearing as Cupid. If "Percey's" plans work out as he has calculated them, the C. B. & Q. will comply with the demands of the most exacting smoke crank in the city when he installs his electric suburban service from Chicago to Aurora.

JOSEPH LYON DUNHAM, Chemical Engineering.

Tau Beta Pi.

Senior Chemical Society; Secretary, '08-'09; prepared at Englewood High School, Chicago, Ill.

"Jeems" chose a birthplace that is far removed from Chicago. Why he entered this world in the City of Mexico on December 3, 1887, has been a mystery to his schoolmates. Be that as it may, he finally came to Chicago and concluded that he would become a chemical engineer. During the process he was lucky enough to become a member of the Tau Beta Pi, and as a consequence is now living on his reputation as a scholar. In the meantime he has been handing out "unknowns" to the poor, unsuspecting, innocent Freshmen. He hopes to be able to make a fertilizer disguised under the name of "calcium cyanomide," that will grow grass on Prof. Freud's lively feet.

ALFRED A. EBERT, Civil Engineering.

Tau Beta Pi.

Armour Engineering Society; prepared at Armour Scientific Academy.

At the banquet given during our Junior year, Ebert was the sole representative from Germany, having been born there June 23, 1881. However, he early realized the advantages offered by America, and the precocious child had little difficulty in convincing his father to migrate across the pond. He worked for some time for the C. M. & St. P. Railway, but along about 1902 decided that it was the "Civil engineering for his." Accordingly he entered the Armour Scientific Academy in that year, and continued the study of his chosen profession in this school. He is an apt follower of the "ponies," and so is counted a member of the Tau Beta Pi. Just at present his all-absorbing occupation is the "Determination of Stresses in Reinforced Concrete Slabs," along with Youngberg, an astute friend of his.

CONRAD A. ECKLUND, Civil Engineering.

Civil Engineering Society; prepared at Armour Academy.

Eck is another denizen of "Onion Town," having fooled his folks April 1st, 1886, by being a boy, contrary to their expectations. His large, genial form has been a familiar sight in the Civil draughting room for some time. His friends say that all the girls who pass on Thirty-third street look up to see Ecklund, even if he does not run to the window each time a ribbon-bedecked wash basket comes into view. Associated with Ebert and Youngberg, Mr. Ecklund has been breaking concrete slabs by an ingenious hydraulic method in hopes that he might find an easy, simple and accurate formula for the design of these necessities. He is one of the fortunates of the Civil bunch to be the proud possessor of that wonder of wonders—a job.

ROBERT THOMAS EVANS, Mechanical Engineering.

Mechanical Engineering Society; First Marshal Junior Week, '08; Class Vice-President, '08-'09; prepared at University High School and at Armour Scientific Academy.

"Smiling Bob" is a jovial fellow, as his name implies, who will not see twenty-one years until the twenty-fourth of next June. He is quite a popular young man, and his name will live forever in the annals of Armour as the producer of the S. P. last year. He officiated as chief marshal, actor, playwright, stage manager, and several other minor positions that night, all at one time. He entered, during the Senior year, the state of matrimony, and attained highest membership in the Goat Club, ranking with Boblett and Spitzy. Bob is an expert high-pressure engineer and White steamer chauffeur, and is working at present on a test of an oil-cooled condenser.

JOSEPH EDMUND FITCH, Electrical Engineering.

Armour Branch A. I. E. E.; Class Track Team, '06, '07, '08, '09; College Track Team, '06, '07, '08, '09; College Tennis Champion, '07; prepared at Lake View High School, Chicago.

This rosy-cheeked product of the Windy City came to Chicago September 22, 1887, and to Armour September 22, 1905, the interim being spent in the ordinary pastimes which delight the American boy. Fitch is something of an athlete and has been a mainstay in the weight events. He is also an authority on tennis, as his record shows. By nature "Jeff" is a modest, quiet-appearing sort of a fellow whom the girls all like, but there is a great deal of power and capability underneath the good looks, and his good nature is bountiful. With several other electricals he is running a thesis test on the Knickerbocker Ice Company's ice plant.

T. CECIL FORD, Chemical Engineering.

Tau Beta Pi.

Senior Chemical Society; prepared at Pulaski High School, Pulaski, Ind.

"Tecil," as our tall friend is familiarly known to his friends, is an amiable sort of a chap, who has had a varied career since he came to our notice. On December 16, 1881, he was born down in "Indianer," and received his early education in the public schools of Pulaski. Some of his greatest achievements are those of learning how to open "L" road gates, teaching night school, and making the Tau Beta Pi. No, dear reader, he did not do all of these three stunts at one time, but each in its own special and separate place. This early training fitted him to grapple with the problem presented by a thesis with a name like this, "The Manufacture of Calcium Cyanamide."

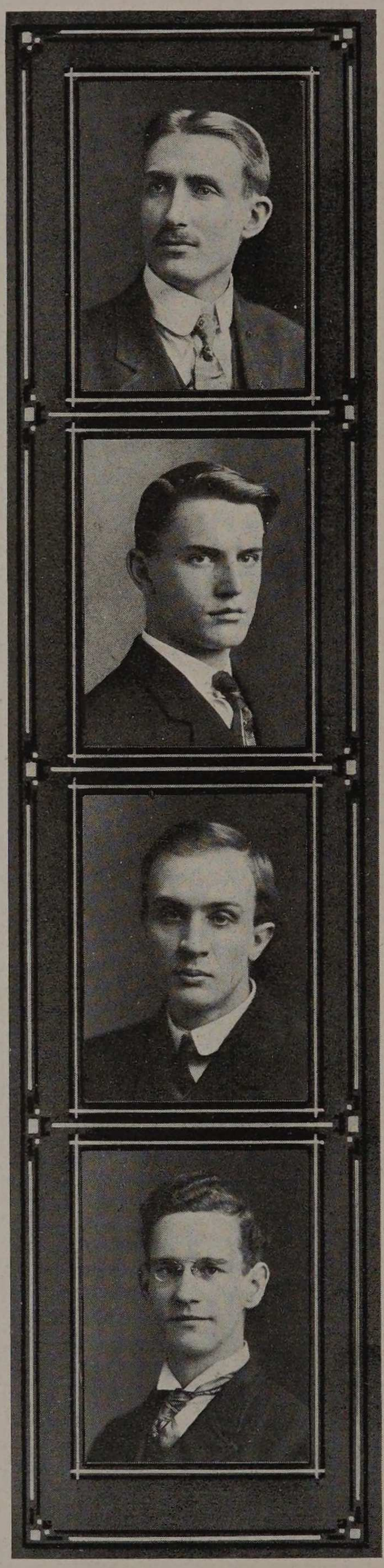
HENRY CHARLES FRISBIE, Civil Engineering.

Delta Tau Delta.

Radical X; Armour Civil Engineering Society; Integral Representative, '05-'06; prepared at Armour Scientific Academy.

"Fris" is another Chicagoan who remembered to check in on October 27, 1888. Yes, he checked so hard that he has been wearing checkered socks ever since. But even with this handicap, "Fris" has been more than able to take care of his studies. Now, don't get the idea that "Fris" is a "softy," because if you do, you'll stand excellent chances of being mistaken. It is "Fris" who always upholds the honor of the class at the dances, for he is the star barn dancer of the school. He says that he has sworn off dancing for a while, so that he can design a waterworks system for Buchanan, Michigan.





GEORGE G. GOHEEN, Electrical Engineering.

Armour Branch A. I. E. E.

This sunflower came to us at the beginning of the year to take some real electrical engineering work. Originally he was born in Manhattan, Kansas, on July 17, 1887, and in due course of time took a degree of B. S. from the Kansas State Agricultural College. We fear that he hasn't altogether too much respect for the bulletins which that department requires, but, notwithstanding, he has been able to absorb quite a bunch of interesting facts about electrical matters, and will return to the Kansas plains to furnish the natives with the modern conveniences. While here he has been a credit to his old Alma Mater, and to his adopted class as well.

GEORGE ARMITAGE GRASSBY, Mechanical Engineering.

Tau Beta Pi.

Mechanical Engineering Society; The Sphinx; Assistant Editor Integral, 1908-9; prepared at Armour Scientific Academy.

Gog, or Grass, is an Americanized Canuck, having been born in Toronto, October 30, 1887. Early in life he showed a tendency towards tinkering with wheels, and lately has become a motor-cycle shark. What he doesn't know about them is hardly worth mentioning, and the Grassby motor-cycle is considered the speediest and most reliable machine on paper ever devised. As a student and straw-boss of the mechanical department he has no rivals, and as a Wednesday night queener he has no peers. His learned discussions on entropy before the daily 8:30 class have always elicited the fervent "Quite so, quite so" from Bowser, of whom he is a special protege in thesis work on the effect of high compression on a gas engine.

JACOB FOY GUTHRIE, Electrical Engineering.

Armour Branch A. I. E. E.; prepared at Wendell Phillips High School, Chicago.

Our friend "Lanky" Guthrie comes from the land of Ade and McCutcheon, being born in Carroll County, Indiana, Sept. 22, 1886. This hoosier only stayed there long enough to see that he was not cut out for an author, and navigated to Chicago. During his early life he was closely associated with artists and geniuses and the like that made a great impression on him. Consequently, he is a very quiet and retiring soul, who is always present at doings, but seldom breaks his sphinxlike silence. Mr. Guthrie is not what would strictly be called a ladies' man and has been seen to get fussed when speaking to the librarians, but he always seemed perfectly competent to take care of himself in all emergencies.

LEONARD O. HAGERUP, Architecture.

Atelier; prepared at North Division High School, Chicago.

This extremely quiet, sweet-tempered chap was born in Chicago, January 27, 1887. As a noise-maker the youth was a total failure, so he was sent to the quiet atmosphere of the down-town annex of the "Stute" to splash colors and draw variegated drawings which by courtesy are termed designs. Unlike most of his fellows, the young man is not often seen in Flirtation Hall, nor in the many cosy corners which abound in that edifice of art. Leon has absorbed his full share of architectural information, and will be there with the goods when the baccalaureate sermon is delivered in May. Many of his ideas of beauty are being expressed in his plans for a country club, whose members are of unlimited wealth and whose grounds are of unlimited extent.

ALVA GAGE HALL, Mechanical Engineering.

Tau Beta Pi.
Mechanical Engineering Society; prepared at New Trier High School, Winnetka, Ill.

"Ag" is a Hyde Parker, and voted for Taft at the last election. He is a very shy and modest chap, who never even got angry when Prof. Leigh used to spring quizzes on us. When Hyde Park became more thickly populated his family moved out in the north suburbs, and Hall has been traveling into school for years from Kenilworth. One of his entertaining accomplishments is that of clog-dancing, of which he is a master. He and Root, Ex '09, have helped many programs given at Armour by their ready offers to dance. No one would think that he was a society man, but they say he is prominent in social affairs in his home town.

EDWARD K. HAMMOND, Chemical Engineering.

Senior Chemical Society; Vice-President; prepared at Armour Scientific Academy.

E. K. is one of those fellows who delight in locking themselves in the "Chem Lab" to try to kill off the rest of the students with the odors from their concoctions. As can be seen by referring to Ed's pedigree, he has not been very strong on joining the Y. M. C. A. or other organizations. This is probably due to the fact that he was born in a very sanctimonious atmosphere—Morgan Park. Since his advent in the world, October 25, 1887, he has tried different occupations, but eventually landed in Armour Scientific Academy. Ham-and has also tried living in England, but found that there was no school in that country that came up to good old Armour, so he finally came back to the fold.

CHARLES KENDRICK HARGER, Civil Engineering.

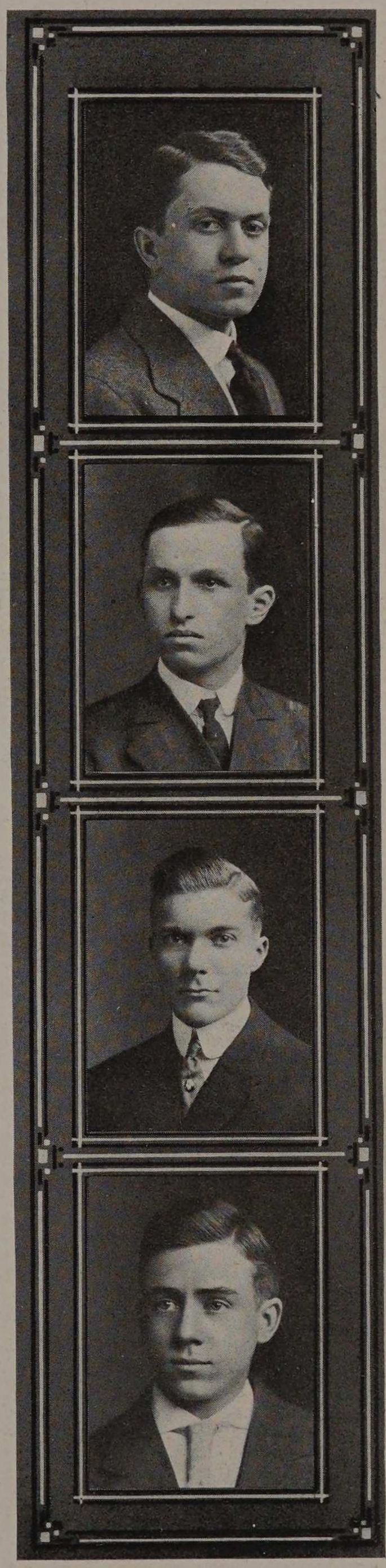
Radical X; Armour Civil Engineering Society.

Ken was born in Milwaukee, January 18, 1887, but he wants it to be distinctly understood that he is not even a forty-second cousin of Schlitz, whose amber fluid made that town famous. Ken was destined to be an '08 man, but after working for a half a year as business manager of the Integral in his Junior year, he quit school and went out in the Far West. After a year he returned to the fold, and will graduate with us. Having quite a bit of forethought, last year he finished his thesis by designing a Hump Freight Yard at Harvey, Ill., and now all the civils envy him. Harger is best known by his smile and by his authoritative discussions on railroad engineering.

JAMES SEYMOUR HARVEY, Mechanical Engineering.

Phi Kappa Sigma.
Radical X; Mechanical Engineering Society; President 1908; Business Manager Fulcrum, 1906-7; Assistant Business Manager Integral, 1907-8; Associate Business Manager Armour Engineer, 1908-9; Class Representative Integral, 1905-6; Freshman Smoker Committee; Glee Club, 1906-7-8; Chairman Senior Photo Committee, 1908-9; prepared at R. T. Crane Manual Training High School.

The pleasant faced young fellow you see is "Jimmie," universally known and liked. Only a few times since his advent in Chicago, June 11, 1886, has he appeared with anything but a smile on his face. Several of these times occurred during his chairmanship of the Senior class picture committee, but even then the frown did not last long. Somehow or other, Jimmie has managed to get mixed up in about everything at Armour, and will get his sheepskin with the rest of us. If anyone wants anything done and done right. Jimmie is the man to see about it, and lo! it will be done, simply by the use of a few of his expansive smiles and several hundred foot-pounds of his abundant energy.





KARL HEIM, Electrical Engineering.

Tau Beta Pi.

Armour Branch A. I. E. E.; Mandolin Club, '07; Armour Chess Team, '09; prepared at Lake View High School, Chicago.

Karl is a Chicago Dutchman, with an existence dating from November 11, 1888. His somewhat attenuated form is quite familiar around the "Stute," and his Dutch jokes are getting to be pretty well appreciated. The youth is an athlete and has won honors for his Alma Mater as first baseman in the chess tournaments. To study occasionally to keep in training has been his very commendable aim, which bore fruit last fall in the shape of a summons from the Tau Betas. Karl is another of the ice plant testers. Probably the chance to get inside a cold storage plant appealed to his Dutch nature.

GEORGE HIRSCHFELD, Electrical Engineering.

Armour Branch A. I. E. E.; prepared at South Chicago High School and Armour Academy.

This short, quiet friend of Professor Wilcox fell out of the stork's basket July 11, 1887, into the waiting arms of the smoky village. His benign countenance has graced the vicinity of the Tech. for nigh onto four years, and he has yet to run hard against any of the rules and regulations except for one sweet struggle with the bewhiskered genius who presides over the Physics parlors. With three other cool, quiet youths he is delving deep into the mysteries of the Knickerbocker Ice Co. power plant, in the hope that his discoveries and the marvelous deductions therefrom will induce the faculty to grant him a sheepskin.

WILLIAM EDWARD HOLMES, Mechanical Engineering.

Mechanical Engineering Society; prepared at Hyde Park High School.

On June 25, 1886, the otherwise quiet atmosphere of Woodlawn was unusually disturbed by the advent of young "Hucks," otherwise known as "Holmes the Huckler." "Ducky" prepared at Hyde Park High School, where Willie was the broken idol of all the girls. Although it was somewhat of a trial to pass up a possible career as a champion ladies' man, he condescended to enter Armour, in company with "Skinny Francis." In company with him and others he began to make a reputation for himself by holding up the pie messenger of the civil drafting room. On several occasions the pair took charge of Joe Howard's Exchange, when things rolled against the house, and thus enabled Joe to get going again. Upon the graduation of the "Huckler" the physics department will lose one of its most consistent performers. It was only after a great deal of coaxing that he returned this year to captain his squad of seasoned veterans once more in their untiring endeavors to capture the pennant in the physics league.

RUDOLPH WILLIAM JOHNSON, Civil Engineering.

Tau Beta Pi.

Armour Civil Engineering Society; Vice-President '08-'09; College Basketball Team, '06, '07, '08, '09; Class Basketball Team, '06, '07, '08; Class Baseball Team, '06, '07, '08, '09; Manager, '07, '08, '09; prepared at Lake View High School, Chicago.

It is said by the old inhabitants of St. Peter, Minn., that on February 13, 1884, a great and shining light was brought into their midst. This same G. and S. L. was none other than our famous long "Johnny." No, not Governor Johnson of Minnesota, but one far greater than the late opponent of Bryan. "Scuse me, Mr. Johnson," but don't you aim for the presidency. Johnny is quite a stude, from the word go, and was honor man from the Junior class of '09, but even with all his school work and athletics, he has done a large amount of outside work. As an assistant factotem of a laundry company he has done much for the glory of a cleaner Chicago. He, like "Beck" and "Pete," thinks he can improve Naperville, so he is designing a system of street pavements for the town.



CHARLES HENRY JONES, Electrical Engineering.

Tau Beta Pi.

Armour Branch A. I. E. E.; prepared at Northwest Division High School.

Charlie is a Chicago boy, or rather, he was a Chicago boy before he became a voter, which was not very long ago. We are certain that he did not vote for Bryan, but then he might be a Prohibitionist. Howsoever that may be, Charlie's all right, and we like him. He has had some practical experience in his line of electrical work, having been engaged as switchboard operator by a down-town department store. He was a bright and apt pupil, and after graduating from Northwest Division High, immediately came to the fount of knowledge from which we all draw. We had thought that he was a warm-hearted chap, but we never dreamed of his attempting to test a power plant in an ice-house, even for thesis work.

LAMOS KAHN, Electrical Engineering.

Armour Branch A. I. E. E.; prepared at South Chicago High School.

Lamos Kahn, born September 11, 1888, spent his boyhood days in the famous iron and steel district of South Chicago. His capacity for rare literature is typical of that sunny suburb. He had a mania for biographies of great men—Diamond Dick, and the like. After a short course at South Chicago High, he came to Armour, where he soon secured great fame and name as the "con" man, due to his great ability to flim-flam the instructors. The resemblance between his name and nickname is so close that the latter will probably stay with him forevermore.

CURTIS MORGAN LINDSAY, Electrical Engineering.

Delta Tau Delta, Tau Beta Pi.

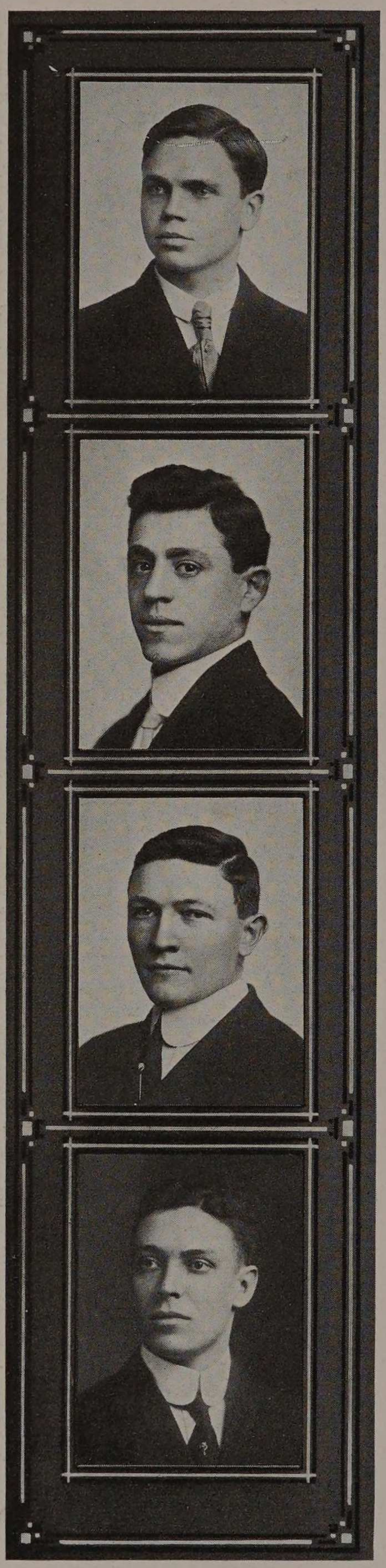
Radical X; Nebraska Club; President, '07; Armour Branch A. I. E. E.; Class Basketball Team, '07, '08; Class Baseball Team, '07, '08; prepared at Omaha High School, Omaha, Nebr.

Curt was born in Omaha, Dec. 12, 1886, at a very tender age. As soon as he could say "da-da" he cracked a joke which was really funny, and since then all of his friends have been regaled by a steady stream of miscellaneous puns, jokes, and funny remarks. These many friends of this witty youth bear up pretty well under them, considering. His pedigree above shows that he is a student, or at least that the profs think so, which is all the same. Curt is another one of those fellows who "is always on the job" and he always does a little bit more than his share in all of the enterprises he goes into.

JOHN RALPH LESSEL, Civil Engineering.

Phi Kappa Sigma, and Civil Engineering Society.

After careful investigations "Jack" decided to light at Perry, Iowa, August 6, 1887. His youth was uneventful until he blew into "Chi" to make an engineer of himself. Some time in his history Jack swindled the Northwestern into letting him loaf for them; during his labor on Hughitt's road our hero picked up sufficient knowledge to continually question Prof. Armstrong at each succeeding step in "Railroad Construction." Jack is a charter member of the Joy Club, and has never let his penchant for study seriously affect his health.



FRANK HERBERT MAYES, Mechanical Engineering.

Mechanical Engineering Society; Class Football Team, '05; Class Basketball Team, '08; Armour Chess Club, '09; prepared at Calumet High School, Chicago.

If knowledge varies as the inverse square of the distance from the ground, "Shorty" indeed ought to be brainy. As a matter of fact, on September 28, 1885, the whole town of Alma, Ill., turned out to honor him. Even last year he showed marked ability by holding the "B" in Perry's Goat Club, but his chief star performance was that of the valiant lover in the Junior play of last spring. Frankie doesn't believe in being smart without having a good time, so he usually indulges in all the rough-house that he can find, and quite often creates one of his own accord. Just at present "Damudutch" Dekker has him trained to such an extent that he is meekly trying to persuade Pa Bowser's automobile engine to run, so that a test of it can be made. Walther says that Frank's chief fault is that he lives away out at Tracy, where it takes so much time to go on a visit.

JESSE IRLIS MENKIN, Mechanical Engineering.

Mechanical Engineering Society; Art Editor Fulcrum, 1907-08; Sphinx; News Editor Fulcrum, 1908-09. Awarded Lolita Armour Scholarship, 1905; prepared at Armour Scientific Academy.

This little shortness is another Armour man bearing the "Made in Germany" label, having first smiled at Riga, Prussia, April 20, 1882. Jesse is quite ambitious to be an editor, and has been connected with the Fulcrum for several years. The past year he has been one of Prof. Agle's right-hand men in the machine shop, and almost every day he and Stillman may be seen in the hydraulic lab weighing water and trying to get the effect of the degree of Superheat on the Economy of a Marsh Boiler Feed Pump.

BENJAMIN FRANKLIN MCAULEY, Mechanical Engineering.

Senior Mechanical Society; College Baseball Team, '06, '07, '08, '09; Class Base-ball Team, '07, '08, '09; Class Basket-ball Team, '06, '07; prepared at R. T. Crane Manual Training High School, Chicago.

Smiling Benny smiled his first smile October 10, 1886, out in Denver, and even smiles when working on a Hien's Analysis in the Mech Lab. Snapshots of him at first base in a ninth inning, tied score with two outs, show the same characteristic smile, so we presume it is second nature for him to smile. It is a pretty good kind of a disposition to have too. Benny has won his laurels as an all-around baseball man, and particularly as a first base man; he has been a great factor of Mr. Smart's star base ball team. He has always been quite proficient in mechanical engineering, and in thesis with Spitzglass has made a centrifugal pump go through all kinds of maneuvers.

ELMER VERNE MCKARAHAN, Fire Protection Engineering.

Phi Kappa Sigma.

Radical X; Sphinx; Business Manager Fulcrum, '06-'07; Business Manager Armour Engineer, '08-'09; Freshman Smoker Committee, '05-'06; Chairman, '08-'09; Class Social Committee, '06, '07, '08, '09; Chairman, '06-'07; Board of Athletic Control, '08, '09; Secretary, '08-'09; College Track Team, '06, '07, '08, '09; Captain, '08, '09; Class Bowling Team, '07, '08, '09; Class Football Team, '05; prepared at Audubon High School, Audubon, Iowa, and at Iowa College, Grinnell, Iowa.

Mac first came into the limelight February 20, 1886, at Audubon. He made periodical reappearances until his grand entry into fame in the famous football game with '08, where, to the accompaniment of a trained chorus, "Oh, How He ran, McKarahan!" he helped pile up a score of 23 to 0. Since then he has been continually before our admiring gaze in some capacity or other. He is a social lion, a track hero, an enterprising business manager, all combined, and still has time to make good at his fire-protect studies. He is most generally smiling and in a good humor, but gets peevish when called "Kink." He has a great fondness for the scenery of Colorado, but we don't blame him very much.

EARLE WATSON MCMULLEN, Chemical Engineering.

Tau Beta Pi.

Senior Chemical Society; President, '08-'09; American Chemical Society; Sub Marshal Junior Week, '08; Assistant Editor Armour Engineer, '08-'09; Class Baseball Team, '07, '08, '09; prepared at Pictou High School, Pictou, Ont., and Armour Scientific Academy.

"Mac" was born in the above mentioned Canadian town, July 10, 1887. Being of an exceedingly energetic nature, the youth finally hied himself to Chicago to acquire our breezy habits. He is an exponent of the old maxim, "All work and no play," and while he is active in just about everything going on in the class or school, he is one of our star students. Besides that he is a good chemical, and his research and experimental work in his private Sugar Lab rank him among the great chemists of the age. The sugar trust has tried time and again to buy him off, but he continues to experiment for cheaper methods of sugar production, which some day will make him rich.

MATTHEW NEU, Architecture.

Atelier; prepared at South Division High School.

On August 8, 1878, the recording angel credited the earth with one fat good-natured piece of humanity, in the person of Mr. Matthew Neu. In spite of Chicago atmosphere the aforementioned youth early developed a fondness for art. After many years, his artistic cravings were gratified and the accompanying face was seen among the good scouts of the class of '09. Neu is not much of a fusser, and perhaps that is why the statue in the main hall of the Art Institute is locally known as Mrs. Neu. Matthew is always on hand for banquets and smokers and seems to thoroughly enjoy himself. As a thesis he is planning a cathedral in the classic style of architecture, but it must be understood that he is no great authority on cathedrals.

FREDERICK ARTHUR NIESTADT, Civil Engineering.

Delta Tau Delta.

Radical X; Armour Civil Engineering Society; College Base-ball Team, '06, '07, '08; Class Base-ball Team, '07-'08; prepared at North West Division High School, Chicago.

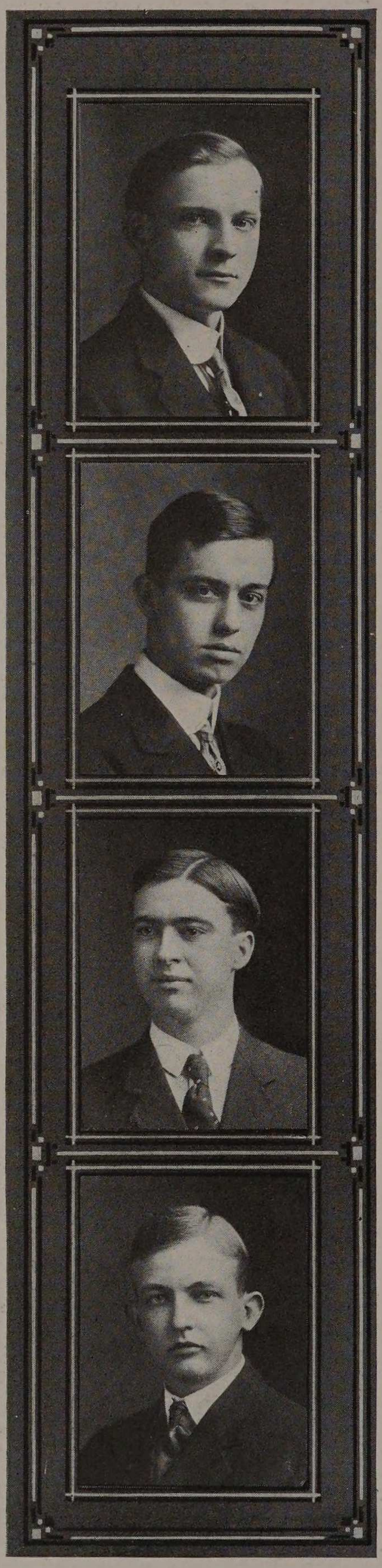
"Freddy," the star of the St. Viateurs game, has endeavored to play baseball ever since February 21, 1887. While he was still a youngster he could be seen playing catch with pumpkins out in the prairies found on the west side. In fact, to be a ball player the equal of Chance was his greatest ambition when he was a kid. His life-work will probably be devoted to the designing of reinforced concrete grandstands for base ball parks, although at present he is only engaged in drawing up the design, specifications and estimate of concrete and steel warehouses.

WALTER S. OBERFELDER, Fire Protection Engineering.

Camera Club; President, '08-'09; Class Track Team, '06-'07; prepared at Armour Scientific Academy.

"Obie" comes from Nebraska, having been born in Omaha, August 12, 1887. He evidently got his love for travel by wandering over the plains in that vicinity, and has developed it while attending this school. As a proof of his powers as a traveler, it might not be out of place to mention that "Obie" braves the danger of crossing the Chicago river every day on his way to the Underwriters' Laboratory, on the north side. The bravery that has been developed in this lad has no doubt had a great deal to do with the choice of a profession. It indeed requires a brave man to take up the course of Fire Protection Engineering.





HARRY OSTEGREN, Electrical Engineering.

Armour Branch A. I. E. E.; prepared at Armour Scientific Academy.

"Oste's" first joke was cracked in January, just a month or so after his birth, on December 2, 1884. His family refuse to repeat it, and we don't blame them if it bears any of the high tension characteristics of his latest efforts in that line. This youth is a firm believer in the hypothetical theorem that "'Tis love that makes the world go round," and in order for him to keep his earth moving he has a girl for every day in the week, and spends his time in Cheltenham, Waukegan and Summerdale. His early training in the academy proved a valuable asset to his incentive ability, and his bean punch (U. S. Pat. No. 124698) is known to all his electrical colleagues as the most effective instrument of its kind. The capillary electrometer which he is helping to design as a thesis promises to add greatly to his already great fame.

GUERDON GROVES PARRY, JR., Mechanical Engineering.

Kappa Alpha.

Mechanical Engineering Society; prepared at St. Joseph High School and at William Jewell College

Peewee, the attenuated automaton from Missouri, first blossomed in St. Jo, on May 23, 1885, and is proud of it. In due course of time he grew up without spreading out very much sideways, and after two years at William Jewell College and one year with Westinghouse-Church-Kerr Co., he came to the Tech. Parry is a hard worker and a good student, but has the unfortunate knack of getting himself in wrong quite often and in the most unexpected places. G. G. P. is an authority on gas engines, and what he hasn't read about entrophy can scarcely be found anywhere. However, he has elected to give the world the results of a series of tension tests on high grade steel as a thesis.

ARTHUR A. PERRINE, Electrical Engineering.

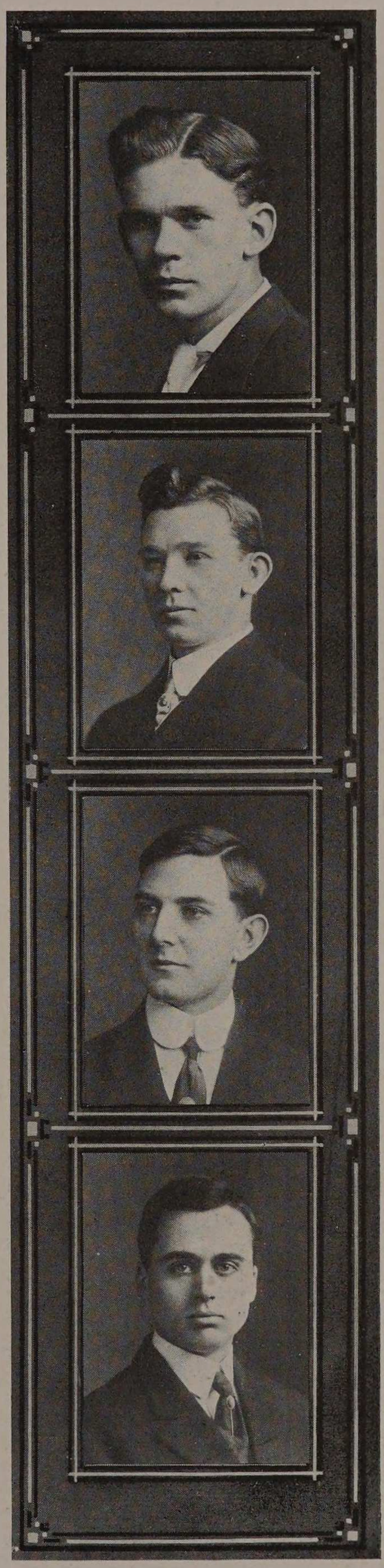
Prepared at Newton High School, Newton, Kans.

Perrine is a side-kick of Goheen, and, like him, is a graduate of the Kansas State Agricultural College, who decided to complete his education at Armour. He is the son of the Windy State, having been born in Newton, August 8, 1883. He is quite a tall specimen of a western breeze, too, and dwarfs the most of his fellow electricals. Although among us for only a year, he has proved to be a worker and one of the "right sort." For a thesis he has been determining the constants of the Globe photometer.

WILLIAM HENRY PETERS, JR., Electrical Engineering.

Armour Branch A. I. E. E.; prepared at West Bend High School, West Bend, Wis.

"Pete" originated at West Bend, Wis., December 19, 1885, where he remained until properly equipped with the store of knowledge at the West Bend High School which justified his entrance to the Tech. It is said that his fitness for the electrical engineering profession was first noted when, as a mere child crawling on the floor, he pushed the buzzer button under the dining-room table, and conclusively proved the fact that a current will not flow in a circuit unless that circuit is complete. "Pete" is now trying to show that a series motor will not run without torque, and the results will appear in thesis form.



IVAN CHRISTIAN PETERSON, Civil Engineering.

Tau Beta Pi.

Armour Civil Engineering Society; Recording Secretary, '08-'09; Class Treasurer, '07-'08, '08-'09; prepared at Lake View High School, Chicago.

This poor, misguided creature with the blond hair, otherwise known as Pete, has been in Chicago ever since August 18, 1887. "Pete" is quite a "kidder," and like others of that type can be easily "joshed" himself. During his Senior year he has developed into quite a society bug, having attended several of the class dances and other social stunts. "Johnny" says that the reason "Pete" didn't start earlier was because the lady in question turned him down. Nevertheless "Pete" admits that he is sorry he didn't boost up his nerve and come around. He has now sworn off dances, etc., and is devoting his energies toward improving Naperville, Ill., with a system of pavements.

EDWIN WAY PETTY, Electrical Engineering.

Armour Branch, A. I. E. E.; prepared at Canton High School, Canton, Ill.

Petty butted into the population of Wyomet, Ill., on March 8, 1885, and he has been doing likewise ever since at the Tech, whenever opportunity presented itself. However, without his omnipresent smile much of the optimistic element of the class would be missing. One of the Westinghouse series A. C. motors in the Dynamo Lab is patiently enduring direction and manipulation so that the engineering profession may profit by the recorded results of the capers as they will appear in the thesis of Petty and Peters.

ELWOOD MILLEN PINKERTON, Electrical Engineering.

Phi Kappa Sigma.

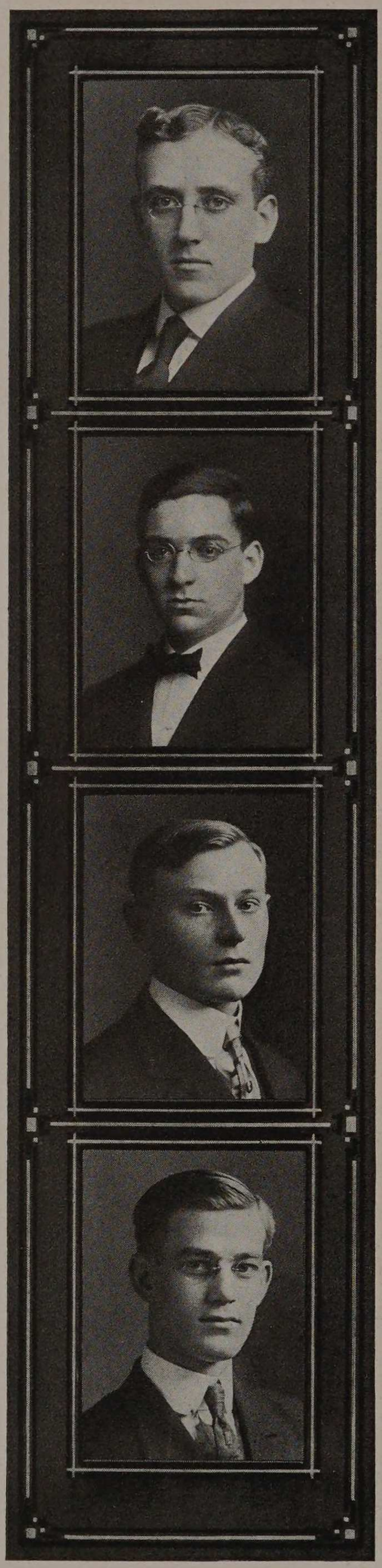
Armour Branch A. I. E. E.; Nebraska Club; President, '08-'09; prepared at Hastings High School, Hastings, Nebr.

"Pink" is "the boy from Hastings," although on July 24, 1887, he was registered among the blue-ribbons of Hama City, Ill. He is quite proficient on the piano, and is something of a queener, too. Since his arrival in his Freshman year, in the "hammock" of a Pullman car berth, "Pink" has lost much of his country greenness, and acts as though he had lived in the city all his life. For some months past he has been working thesis with Bexton on the effect of frequency on the holding power of lightning arresters, and has been dodging short circuits of 200,000 voltage wires as a mere pastime.

THOMAS EDWARDS RICHARDS, JR., Civil Engineering.

Armour Civil Engineering Society; Class Vice-President, '07-'08; Chapin Club; President, '08-'09; prepared at Armour Scientific Academy.

"Rich," the proud autocrat of Chapin Club, has been in Chicago ever since February 15, 1888. He has paid tuition at the "Stute" since 1902—not all the time in the college, however. Whenever there has been anything doing in his school career, T. E. has been on the job every time. He is something of a politician in his way, and with the Civil bunch to back him, has been able to put one over both the Chapin Club and his own class. His chief hobby the past year has been to sit at the windows of the Civil drafting room and watch the passers-by, many of whom seem to be kindergarten teachers and cadets. Lately he has cut out such foolishness, and is now deeply engaged in drawing rivet holes on his design of a bascule trunnion railway bridge.



ATLEE CECIL RIKER, Electrical Engineering.

Phi Kappa Sigma.

Armour Branch A. I. E. E.; Nebraska Club; Member Bowling Team, 1906, 1907, 1908, 1909; prepared at Blair High School, Blair, Neb.

"Oolee" is from Nebraska and proud of it. Dohata City was honored by his presence August 1, 1887. Soon after that he put the family salt cellars at one end of the hall and commenced rolling spherical articles at them—a habit which has stood by him in good stead when he came to Chicago to become Armour's champion bowler. For four years he has held the highest individual average at the Tech. His curls and handsome features make the lad quite a fusser among the ladies. During the past year he has done a lot of monkeying with the effect of temperature on primary cells.

HERBERT ROSE, Electrical Engineering.

Tau Beta Pi.

Armour Branch A. I. E. E.; Executive Council, '08-'09; prepared at Englewood High School, Chicago.

Herbert, otherwise known as "Piff," and noted for his exhibitions of hypnotism, had the great misfortune to be born January 18, 1889, in Waterloo, Iowa. Very little data on his early life is available, but it is a matter of commonly accepted gossip that he studied the "black art" under the great Svengali. He exerted this baneful influence over the faculty of Englewood High School with such success that they actually allowed him to graduate. He is, however, quite popular, and became one of the members of the Society of Studious Studes. As a society man "Piff" has not been very brilliant at Armour, but then he prefers to be left all alone with her. We understand that she is the classiest girl on the south side.

HERMAN W. SCHLINZ, Civil Engineering.

Armour Engineering Society; Class Secretary, '07-'08; prepared at R. T. Crane Manual Training High School, Chicago.

"Sling," as he is familiarly called by his fellow students, came aboard on June 18, 1887. Although his visage gives the appearance of being the hero of many duels, so often found at the German universities, as a matter of fact this Chicago lad has never been nearer Germany than Milwaukee. He is very proud of his scars and can recount numerous tales of valor about each and every one of them. He is an especial friend of "Lehigh," who carefully watches all civils to see that they waste none of the fleeting moments. In order to get revenge on someone, we know not whom, he is assisting in the design of the bascule trunnion railway bridge.

MILTON CICERO SHEDD, Mechanical Engineering.

Phi Kappa Sigma, Tau Beta Pi.

Radical X; Mechanical Engineering Society; Secretary, '08-'09; Editor Integral, '07-'08; Senior Representative, '08-'09; Associate Editor Armour Engineer, '08-'09; Assistant Editor Fulcrum, '06-'07; Class Secretary, '06-'07; prepared at El Paso High School, El Paso, Tex.

Our sununy-faced, jovial and justly popular Milton, although coming to us from Texas, is a son of Illinois, he having been affiliated with the earthly throng in Pana, July 29, 1887. The reason for the migration to Texas is not very clear, but we firmly believe that his father took the long journey merely to satisfy a desire on M. C.'s part to become a cow-puncher. We found him a very shy and retiring little fellow in his Freshman year, very much awed by all the bustle and evil tendencies of our great city. He soon became quite civilized, proceeded to join every society in sight, and became somewhat of a ladies' man. In spite of all these obstacles, he may now usually be found in the machine shop superintending the construction of an absorption dynamometer of his own design for the Drop Test Machine, on Dearborn street. This thesis, coupled with his proficiency in Mexican cussing, is evidence of future greatness as an engineer.

TRACY WHITTLESON SIMPSON, Electrical Engineering.

Delta Kappa Epsilon, Tau Beta Pi.

Radical X; Sphinx; Armour Branch A. I. E. E.; Chairman, '08-'09; Editor Armour Engineer; prepared at Hyde Park High School; Grand Rapids High School and University of Chicago.

The herewith picture of the above mentioned gentleman and student is far from complete; for without that small grammar school cap stuck jauntily on the rear side of a brainy forehead, T. W. would never be familiar to any Armourite. In Topeka, Kansas, September 27, 1886, this wondrous man of science came to the world, and soon later began tinkering with the family doorbell. His tendency for tinkering has developed until now Tracy has become one of our star engineers. The young man has acquired a large amount of practical knowledge with real engineers in the Arnold Company and in designing his thesis, "The Electrification of the Suburban Service on the Illinois Central."

HALLAM CHAMPLAIN SMITH, Chemical Engineering.

Phi Kappa Sigma.

Radical X; Senior Chemical Society; Treasurer, '08; College Baseball Team, '06, '07, '08, '09; Captain, '09; Class Bowling Team, '08, '09; prepared at Sugar Grove High School, Sugar Grove, Ill., and at Armour Scientific Academy.

Behold "Snoodles," "Puss," "Smootch," "Demon," "Skinny," "Bush Leaguer" and "Hal," all in the person of this corpulent personage from the Illinois bee district. On June 18, 1886, a fat tot with a liking for sweet potatoes and ice-cream came to Sugar Grove, and it wasn't many years before all the small kids who watch games from the tops of barns knew that a baseball genius was coming into his own. "Snoodles" is something of a chemist too, and since his bosom friend, Wiard, has reformed him, has caught many of the inshoots and outshoots of that mysterious science. Watch for his name in the sporting pages of the "Trib" this coming summer.

JACOB L. SPITZGLASS, Mechanical Engineering.

Mechanical Engineering Society.

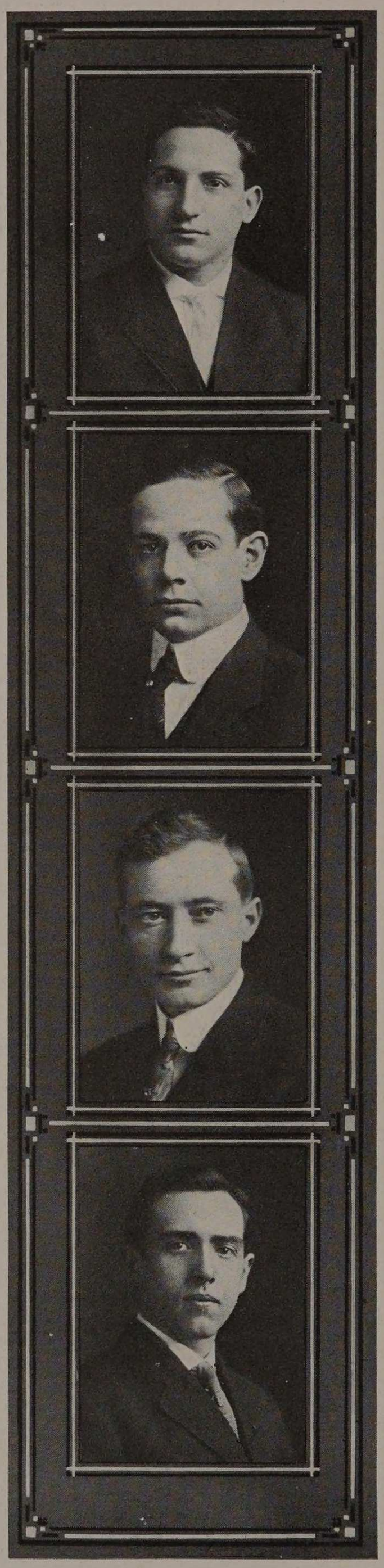
Spitzy was born in Russia some time in June, 1868. He somehow managed to exist in that precarious country until one day he heard that he had joined the army by command, and Spitzy made his get-away quick, yet with his wife and childskys, leaving his flour mills in the hands of an obliging cousin, who had more political pull. It has not taken him long to assimilate American customs, and today he is a thoroughly live member of a live class with two little Spitzies growing up like their dad. Mr. Spitzglass has made a success of his engineering studies, combining an insatiable desire to get to the very bottom of things with a wisdom which is more mature than the most of his classmates have.

GILBERT I. STADEKER, Electrical Engineering.

Armour Branch A. I. E. E.; College Track Team, '06, '07, '08; Class Track Team, '06, '07, '08; prepared at Armour Scientific Academy.

"Stadek," known more intimately as "Gil," is a New Yorker, having opened his eyes on the Empire State way back in the eighties—April 16, 1888, to be more exact. He is one of the few who started into Armour when fresh from grammar school and stuck to it until graduated from the Tech. As an academy lad Stadeker was very unassuming, quiet and bashful. He was never known to say a cross word about any of the profs, and, more than that, in the light of his later achievements, he never dreamed about becoming an athlete. But somehow or other someone found him to be a limber sort of a chap and set to work to develop him into a star high jumper. Whenever we have visitors at school, "Gil" is carefully concealed from view, because he does not make a good impression as an advertisement for the beanery.





ARTHUR POOLE STRONG, Electrical Engineering.

Tau Beta Pi.

Armour Branch A. I. E. E.; prepared at Central High School, Cleveland, Ohio, and at the University of Chicago.

"Ap" is a Cleveland boy, and will celebrate his twenty-third birthday on October 29, 1909. He prep'd in Cleveland, whence he came to Chicago to attend the University. They would not let him work hard enough out there, however, and he entered Armour. Since then he has not complained of ennui, and we believe he has met his match. His work keeps his time well filled up, not leaving him much time for social stunts. He thinks Chicago a good-sized suburb of Cleveland, and hopes that Chicago will petition for annexation. As a thesis he has chosen "Variation of Transformer Efficiency With a Change of E. M. F. Wave Form."

RAY WHITMAN STURTEVANT, Civil Engineering.

Radical X; Armour Civil Engineering Society; prepared at Chicago Manual Training School.

"Sturty" is another one of our short friends, and is likewise a devout believer that knowledge varies as the inverse square of the distance. This is why he always sits in the front row, except in quizzes. "Sturty" has been short, so he says, ever since March 16, 1886, and is getting quite used to his affliction. He is an adept at fooling the public, and this, combined with his ready bluff, is sure to win him a place in the world. Just at present he says that he is helping Dawson and Walther, otherwise known as the "Sheridan Road Improvement Association," to make more beautiful a stretch of Sheridan Road through Glencoe.

EDWIN HOWARD STILLMANN, Mechanical Engineering.

Mechanical Engineering Society; Sphinx; Secretary, '08-'09; Y. M. C. A.; President, '07; Checker and Chess Club; President, '06-'07; Integral Assistant Editor, '06-'07; Fulcrum Editor, '07-'08; prepared at Oak Park High School and Armour Scientific Academy.

Ned is the most energetic man ever; he is always tinkering with something but always has time for something more. Orange City, Florida, feels highly honored that on December 9, 1885, E. H. S. came into their midst, and a tall granite shaft there commemorates the event. During his sojourn in "Chi" Ned has handled one of the city's departments in electricity, besides the accomplishments listed above. As secretary of the Sphinx he has handled all of the monthly feeds of that body, a duty that has done more towards the literary uplift of Armour than any other one thing. Stillmann and his shadow, Menkin, have lately been doing a lot of fussing around the Marsh Pump, in thesis work, and the Institute has already appropriated money for the installation of a new one.

JOHN TREGAY, Fire Protection Engineering.

Y. M. C. A., Vice-President, 1907-08; Glee Club, 1907-08; Class Track Team, '06-'07, '07-'08.

Prepared at Crane Manual Training High School, Chicago. "Jonathan" was born in Chicago, December 23, 1886, and achieved no special notoriety until he was sued one day for $10,000 for violating the speed limit on Chicago sidewalks. He managed to prove that he "didn't go to do it," and settled down again to his usual serenity. Without his steady assistance the all-star squad of fire-protects would never have achieved its present greatness. He used to belong to the Y. M. C. A., but has since reformed, and was even heard to ejaculate "damn" one day when he got in front of a two-inch stream of cold water, which bowled him over and gave him a good souse.

FRANK J. URSON, JR., Civil Engineering.

Armour Civil Engineering Society; College Baseball Team, '07; College Basketball Team, '07, '08, '09; Class Baseball Team, '06, '07, '09; Class Basketball Team, '07, '08, '09; Class Bowling Team, '05, '06, '07, '08; prepared at R. T. Crane Manual Training School, Chicago

"Hap" is another one of those baseball stars developed under the able direction of Coach Smart. The smile which he has worn on his face since March 21, 1887, probably accounts for his nickname. "Hap" is an expert jollier, but even with the smile, he had quite a time convincing the cynical profs of the civil department that he ought to be passed. He is now busily engaged in laughing loud and long at the various jokes in "Phythics" lectures, and we are very happy to say that now the indications are that he will be successful in graduating with the bunch. At any rate, he has plans of getting busy pretty soon on the design, specifications and estimate of a steel and concrete warehouse.

MARINUS VANDERKLOOT, JR., Chemical Engineering.

Senior Chemical Society; prepared at Armour Scientific Society.

The owner of the accompanying visage is another one of the candy kiddoes who are not proud to name Chicago as their birthplace. March 5, 1887, was the date of the auspicious event. He is most frequently seen in the chemical laboratories, but once a week he may be seen in the Mech Lab with others of his tribe, stewing away over some one of the awful experiments which the chemists are compelled to do. Vanderkloot is rather a quiet lad, with an inscrutable expression which renders him an adept at handing out unknowns to the Freshies. As a thesis he is working on "The Purification of Water for Industrial Purposes."

FRANK C. VAN ETTEN, Electrical Engineering.

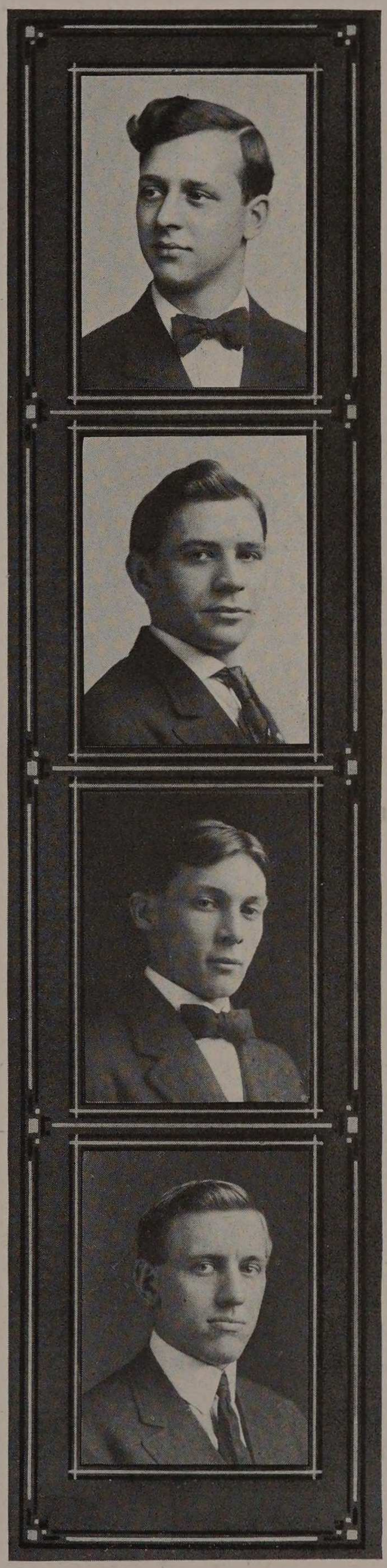
Armour Branch A. I. E. E.; Class Secretary, '08-'09; Class Track Team, '06, '07, '08; Manager, '07; prepared at Danville High School, Danville, Ill.

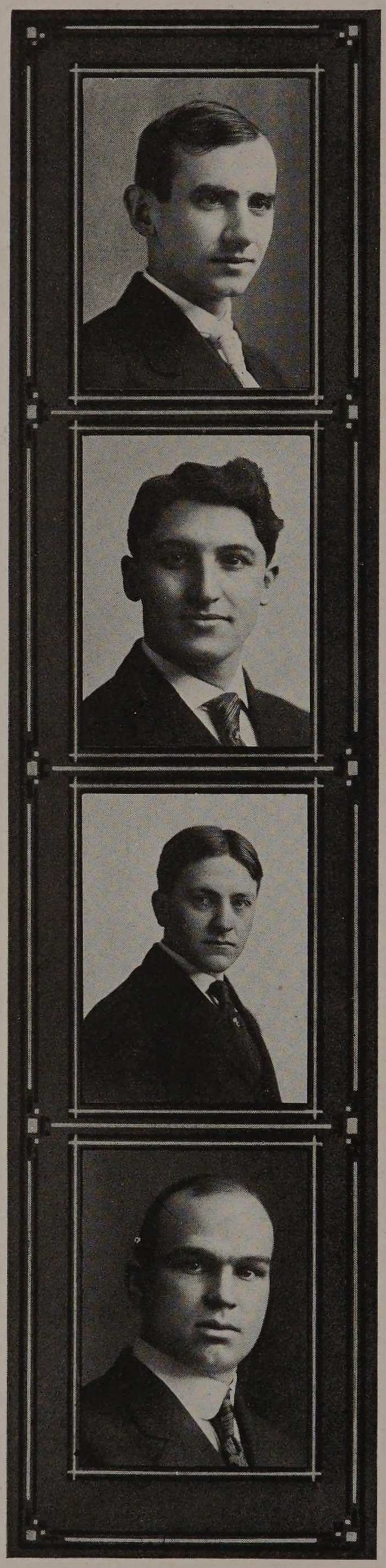
Van, the demon railroad man, first struck this wicked world in sooty Chicago, Nov. 12, 1887. His youth was spent in the usual way, except that he was known as a "good little boy, very quiet and sedate." In his Armour life he has proven a good fellow and a student. His chief amusement the past year has been the daily murdering of "My great big Brudder Sylvest" in German and English mixed to the tune of a combination of melodies. As thesis work he is acting as assistant to the eastern engineers in designing the electric equipment of a high speed electric railroad between New York and Philadelphia.

ORLANDO VON GUNTEN, Architecture.

Atelier; Massier, '08-'09; prepared at Bluffton High School, Bluffton, O.

This "Bluffer" from Bluffton was born in that town on June 29, 1883. We don't know whether the life was the attraction or what it was, but at any rate he has chosen to put in most of his time at the Art Institute. Consequently, he has missed lots of hard work and has not become so well acquainted with his classmates as he might be. He believes in beautifying everything that is capable of being made beautiful, and accordingly is designing a gateway or something of that sore for the entrance to the Panama Canal, which should be of estimable value to Uncle Sam in keeping out vessels which won't pay toll.





ALFRED TOPLIFF WALDO, Architecture.

Atelier; Treasurer, '07; Chairman Social Committee, '09; prepared at Columbus High School, Columbus, Wis.

"Alf" came to us from Beloit College because of a lack of a Life Class in that institution of learning. Originally, he was born in Columbus, Wis., April 10, 1885, where his gentle manners and repugnance to all things not artistic made him a local celebrity. Ever since his arrival in dear old Chicago town, he has been trying to uplift the artistic atmosphere by the design of beautiful billion-dollar buildings with funny ornaments all over them. In fact, he is one of the best of Pa Shattuck's water color daubers and can change the design of an "oak shade tree" for the front of an Art Museum "into the plan view of a Missouri pasture" in exceedingly quick time. In his thesis he is designing a modern play-house for our theatre goers, and is already giving complimentary tickets to his friends.

RALPH ALBERT WALTHER, Civil Engineering.

Armour Civil Engineering Society; Treasurer, '08-'09; Sphinx; Class President, '08-'09; Business Manager Integral, '07-'08; Class Representative Integral, '08-'09; Sub Marshal Junior Week, '07-'08; prepared at R. T. Crane Manual Training High School.

Here we are—the present development of the original Mellin's food baby—the great personage of the Senior class. Ralph was born in Chicago, November 25, 1886, and by his genial manners soon won a large circle of friends, which grows bigger all the time. With the assistance of our doughty sergeant-at-arms, "Shorty" Mayes, he has no trouble whatever in keeping order in the class meetings. Ralph is quite busy most of the time, either "boning" civil studies or helping to add to the social life of the world. His Nibs is quite popular with the ladies, and never spends a lonesome Friday evening. His rendering of the classic solo, "Mary Ate Some Ginger Bread," will ever be remembered by his friends and others. In short, if you want a man who is right with you all the time, in everything, just call on Ralph A. W.

WALTER HINGSTON WIARD, Chemical Engineering.

Phi Kappa Sigma; Radical X, Senior Chemical Society; prepared at Waukegan High School, Waukegan, Ill.

A delicate little mite of humanity came to Waukegan, February 5, 1888, and liked the burg so well that it stayed there and grew and grew until it became the angelic Walter, whose features you now see. He never outgrew his fondness for long "nighties," however, and likes to trail around before bedtime dressed in a flowing robe of ethereal whiteness. Last fall he inveigled Smith into thesis work on the Recovery of Copper from Matte, and with eyes set on the $5,000 reward for such a process, has spent many sleepless nights in thinking of manual labor to have Smith do. He has also spent some time in the study of architecture, and they say that he has the complete plans for a nest for two, which Hartmann will feather soon after June 1.

HARRY WALTER YOUNGBERG, Civil Engineering.

Tau Beta Pi.

Armour Civil Engineering Society; Class President, '06-'07; Assistant Editor, The Integral, '07-'08; prepared at Chicago English High and Manual Training School.

Harry, or "Baldy," has been the butt of many a joke in regard to the sparsity of hirsute adornment on the top of his head, but as he was born July 16, 1883, he is not nearly as old as one would expect. He is often taken for a professor, and is, in fact, quite a scholar, and a teacher in Dean Clasen's night school. Two years ago he was the only man in the class big enough to preside over class meetings and check the impetuosity of the '09 Sophomores. Although not a social bud, he is very fond of wandering across the seas, and now plans to go to the Philippines for three years as a technical missionary. Before he sails, however, he expects to determine the stresses in reinforced concrete slabs.



FRANK C. ZANZIG, Electrical Engineering.

Armour Branch A. I. E. E., Sec. 1908-09; prepared at Armour Scientific Academy.

"Zigzag" first beheld the light of day in Milwaukee, June 30, 1883. His early youth was spent in all the harmless pastimes of the usual small boy, and after a couple of years as claim agent for the electric light company, the promising youth came to teach the profs about engineering. He has a great many ideas of his own in regard to most things that occur, and if he were not so ambitious in pushing them, college life would be far more easier for himself and his profs. As a math shark he is without a peer in the class, and most of the electrical formulas he can rattle off without thinking. He is quite prone to crack jokes, which are really laughable, and has never been known to yawn in any kind of a lecture.

The Wise Senior

"You are wise, honored Senior," the Freshie said,
"And your brain with facts is stuffed tight;
Yet you skip recitations by dozens and scores,
Do you think that is really just right?"

"When young," this vain Senior replied to the Fresh,
"In hope of improving my brain
I went to each class—but I now know so much
That I skip them again and again."

A Fable in Slang.

Once upon a Time, in the not so Very Awful long ago, there existed a certain Joint yclept by the Wise Ones, Armour's Institute of Technicality. Every twelve rosy Moons, when this self-same House of Learning felt itself called upon to shove some Would-be Engineers upon the Market, It got Busy and ejected a Few upon a Waiting and Expectant Planet. Now, to accomplish said Undertaking, this aforementioned Joint had to rope in some Timid and Unsuspecting Mortals.

At the Call, in the year 1905, there came a vast Horde, some as Verdant as the not unusual Freshman, some as Wise as the Proverbial Senior, and not a few as Foolish as the Stuck-up Sophomore; from Far and Near—from every Direction this mighty Bunch beat it and lined up along the nigh Pie-counter to Pay their Respects to the Gate-keeper of said School for Poor Young Workingmen.

Now, it was destined by the Goddess of Chance, and by various other Fates, that this Tribe of '09 should be a Humdinger. At the end of the first week, all the Rubes hiked to the Get-together Hall, where they got the glad Mitt in the usual Line of Bunk. Then they got down to Biz, and by the following Washday they had Figured out some Big Doings. Along about eleven of the Ticktock, after the sun had made its Get-away, Sundry Gentlemen in old clothes meandered forth and engaged in a Bunker Hill with such other Gentlemen from the Bunch of 1908 as ventured into the Open. My! but they had a La-la of a time, just Grand! And then with their little Brushes and Paint Cans they commenced to beautify the Scenery.

When old Sol opened his Peepers and all the Rubbernecks were Conclaved, the annual Rush of the Ruffians began. O! those Cruel Boys. Bingo! it sounded as the grand Doe-ces-doe mixed, and Bang! it sounded as the Class of 1908 was twice Bumped into Cap Larson's Beanery. When the Inventory was taken, two men and 'steen Shirts were on the Blink, and the Faculty threw a Fit.

Bimeby a football Game came off, and like a Buzz-wagon in a Parade, the '09 Marathoners tore through the '08 Pipe-stems, while the Band played Annie Laurie, and the Score Marker scratched Down Skiddoo to Nothing. Long did the '09-ers yell, till their Pipes were on the Bum, cheering on the Stalwart Heroes who left their Puny Opponents far from the Goal Line.

Then with a classiest of the Classy Bowling Team, they annexed the Rolling Championship, the first of Four Successive Santiagos for the men who jumped

into the Lead at the Drop of the Flag, and held the Pole all the Way. All during the first Lap of the Race for Learning the '09 Crowd prospered, and in Track and in the National Game they wore the Wreath in everything they entered.

At the quarter-turn the Rubes became Wise Mutts, with a tendency to Crow, as befits the estate of Sophomores. Right off the Reel they Sallied Forth one night, and caught a Gang of Fresh Rubes and Cooped them up over night in a Dark and Diresome Barn. When the Innocent By-standers called the Cops there was Something Doing, believe me, and Hearst found a chance to furnish some Wild-eyed Bunk to a Greedy Public. When the Flubdub had calmed itself, the Pink Tea and Ping-Pong Games on Ogden's Field were Gleefully Started, much to the Hilarity and Self-contentment of the Dominie. Days flickered by, and the members of this wondrous class continued to shine and Grow Wise. In nothing did they Exhibit Cold Feet, and for them the Pennant was Ever Waving.

So they reached the Half-turn, Colors waving, Far, Far ahead of the Also-rans. At this Period the Embryos commenced to become Real Engineers, and they handed out a Line of Technical Con, at which all the Peacherinos Piped their Fair Peepers in Awe, and all the Queens went Bughouse over these Society Lions. Many were the Light Fantastics that were Gaily Tripped, tra-la-la, and many were the Sad Epistles Home for more of the Spondulix. In fact, these Johnny Boys with the Quiet Gaze were Strictly In It, and all the other Armour-ites simply Ate Worms or sat on the Roof to Watch the Scenery go by. Their Junior Week Program was all the Candy. In their spare Minutes they played Editors, and put a tolerably Fair Integral on the Market, and then between times they crammed the Brain Dope.

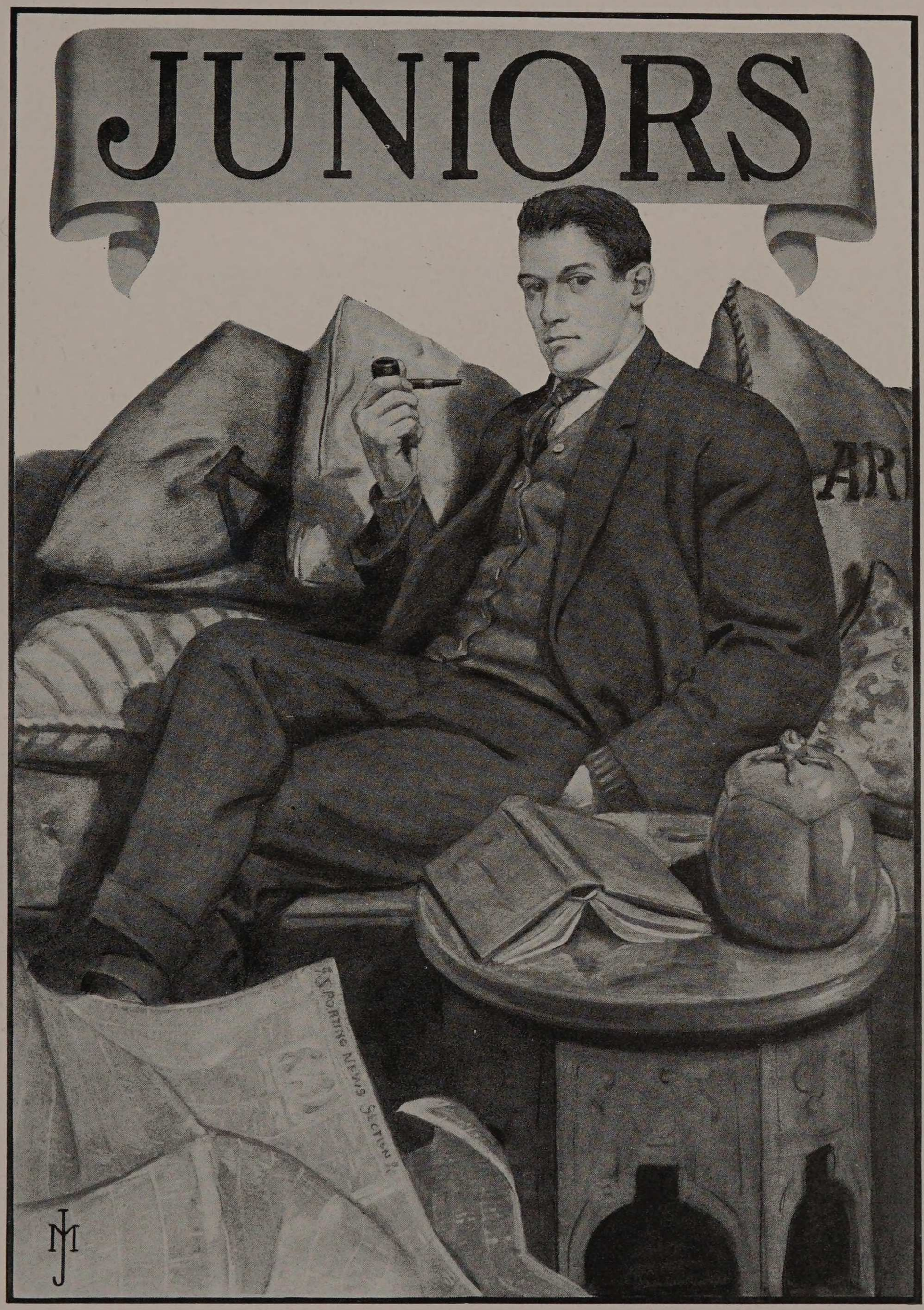
Thus we find the Aforementioned Class of Nineteen Nine, on the last Lap, straining for the Tape, with the odds twenty to one. The whole Push was Aces Up with every Gazabo at the Stute. To prove that their Garrets held the Goods, they fitted out the Armour Engineer, and set her with Firm Pegs on the Stretch to Prosperity. They likewise dug up some new Ticklers for the Fulcrum, and the Knowledge they discovered or invented for Theses was Something Stupendous. Verily, they can Deliver the Goods.

In a few Short Moons the college history of the Class will be out of the Making, and the Life History of its Members will be on the Road. The Years past have been All to the Good; and the Dose of the Spirits and the Absorption of the Brain Matter, as the Logical Result of said School Life, will give to this Topsy-turvy Planet of Ours some Three Score and Fifteen Engineers whose Equal can be found Nowhere, Not at All.



The Junior

I am the king,
Me, myself, I—
The only thing.
Me, I, I.
I rule the realm
Of brains and gall.
You other fellows
Aren't in it at all.
When through my empire
I, the king, send
My edicts dire,
All the world bends
To look at me—
Me, myself, I,
And I think, "Hully Gee!"
I am so fly.
Don't you?
I know you do.
I can tell
By your—well,
By your eye,
That I take the cake
And am the pie.

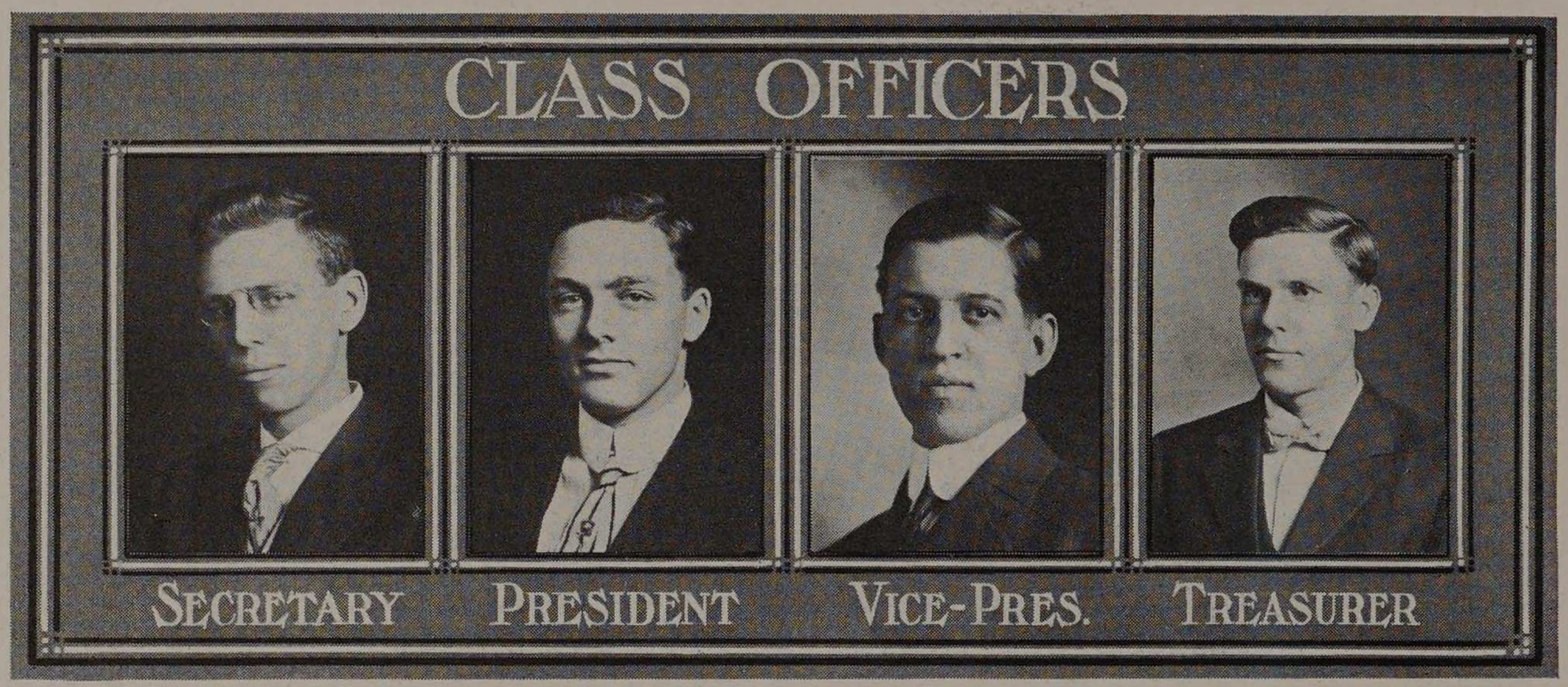

JUNIORS
SPORTING NEWS SECTION
JM

The Class

OF

Nineteen Hundred and Ten

Juniors



E. D. MacEwing O. L. Richards G. W. Buck F. E. Barrows

Colors: *Blue and White.*

Yell: *"On the deck!*
Once again!
Armour Tech.!
Nineteen Ten!"

INTEGRAL BOARD

Eugene D. MacEwing
Julius G. Hatman
Samuel W. McCune, Jr.
Monroe A. Smith
Norman F. Kimball
Frank E. Wernick
Roy S. Kloman

FULCRUM REPRESENTATIVE

Henry C. Hand

SOCIAL COMMITTEE

Eustace Vynne William Thomas Harry Rogers

List of Members of the Junior Class

STUDENTS IN CIVIL ENGINEERING

Anderson, A. G.
Buck, Glenn W.
Cole, V. E.
Deveney, William J.
Eckert, John M.
Eliel, Robert G.
Guthier, Roy E.
Hand, Henry C.
Jens, W. G.
Kellner, Otto R.
Kellner, Walter A.
Kloman, Roy S.
Lessel, John R.
Lettermann, George D.
Munoz, Frederico.
Narozny, J.
Olsen, B. T.
Osmena, Mariano V.
Pearce, Roswell P.
Reynolds, J. C.
Solomon, M. J.
Sandahl, C. A.
Shafer, Glenn A.
Sleeper, Fred L.
Smith, Monroe A.
Stevens, Wirt.
Tobias, W. R.
Vynne, Eustace.
Williams, Duvall.

STUDENTS IN MECHANICAL ENGINEERING

Ambrose, Roy B.
Baughmann, I. N.
Bergbom, A. T.
Bolte, Edward Endicott.
Byers, A. A.
Carlson, H. W.
Crocker, A. H.
Daly, J. J.
Gentry, T. E.
Grenoble, H. S.
Hall, R.
Hatman, Julius G.
Henwood, Proctor E.
Hoffmann, Robert J.
Kimball, Norman F.
Kinzel, A. J.
Young, Donald
Leavell, R. F.
Lohse, R. W.
Parkins, F. E.
Stauffer, B.
Stauffer, J. E.
Stewart, W. H.
Thomas, W. E.
Wernick, F. E.

STUDENTS IN ELECTRICAL ENGINEERING

Baer, W. J.
Bailey, C. C.
Calvin, R.
Cooper, D. A.
Gault, M. E.
Glick, H. G.
Godfrey, F. O.
Gray, R. L.
Kallis, M.
Keeler, H. B.
Kuehne, J. H.
McCune, Samuel W., Jr.
MacEwing, Eugene D.
Neville, W. J.
Parker, A. H.
Richards, Olin L.
Ziesler, Louis
Rogers, H. J.
Rosenthal, Harry
Sackheim, S., Jr.
Sherwin, E. B.
Stark, David H.
Thatcher, W. C.
Whitmore, C. M.
Whitmore, Ray

STUDENTS IN ARCHITECTURE

Alschlager, W. W.
Bajari, W. R.
Bentley, Percy D.
Bowman, D. W.
Clark, L. D.
Cook, A. T.
Hooper, Lawrence
Howenstein, W. K.
Livermore, J. D.
Lloyd, B. E.
Pashley, E. S.
Paterson, J. E.
Rowe, L. P.
Salisbury, R. H.
Steigeley, A. C.
Thompson, M. G.
Turner, M.
Von Gunten, T.

STUDENTS IN CHEMICAL ENGINEERING

Barrows, F. E.
Brant, Paul
Martin, H. W.
Pohlman, E. F.
Vanderkloot, M., Jr.
Squair, F. R.
Starman, G. H.
Wiard, W. H.

STUDENTS IN FIRE PROTECTION ENGINEERING

Pfaelzer, F. M.
Hotchkin, E. W.

ALPHABETICAL KEY TO THE JUNIOR PICTURE

14. Baer
50. Bailey
29. Barrows
62. Baughman
64. Bergbom
54. Bolte
56. Brant
9. Bristol
60. Buck
59. Byers
58. Carlson
26. Cole
17. Crocker
13. Daly
22. Deveney
45. Eckert
30. Emin
7. Glick
1. Grenoble
27. Godfrey
18. Hall
46. Hatman
24. Henwood
8. Hoffman
20. Jens
6. Kallis
10. Kellner, Otto
38. Kellner, W. A.
33. Kimball
40. Kloman
41. Kuehne
42. Leavell
19. Letterman
4. Lohse
37. MacEwing
61. McCune
49. Martin
39. Muñoz
53. Neville
31. Olson
32. Osmona
43. Parkins
25. Pearce
23. Pfaelzer
47. Pohlmann
12. Reid
5. Reynolds
51. Richards
11. Rogers
52. Rosenthal
48. Schmidt
2. Sherwin
34. Sleeper
36. Smith
3. Squair
16. Stark
28. Stevens
21. Thatcher
44. Thomas
55. Tobias
63. Vynne
35. Wernick
15. Whitmore
57. Young

KEY TO THE JUNIOR PICTURE BY NUMBERS

1. Grenoble
2. Sherwin
3. Squair
4. Lohse
5. Reynolds
6. Kallis
7. Glick
8. Hoffman
9. Bristol
10. Kellner, Otto
11. Rogers
12. Reid
13. Daly
14. Baer
15. Whitmore
16. Stark
17. Crocker
18. Hall
19. Letterman
20. Jens
21. Thatcher
22. Deveney
23. Pfaelzer
24. Henwood
25. Pearce
26. Cole
27. Godfrey
28. Stevens
29. Barrows
30. Emin
31. Olson
32. Osmena
33. Kimball
34. Sleeper
35. Wernick
36. Smith
37. MacEwing
38. Kellner, W. A.
39. Munoz
40. Kloman
41. Kuehne
42. Leavell
43. Parkins
44. Thomas
45. Eckert
46. Hatman
47. Pohlmann
48. Schmidt
49. Martin
50. Bailey
51. Richards
52. Rosenthal
53. Neville
54. Bolte
55. Tobias
56. Brant
57. Young
58. Carlson
59. Byers
60. Buck
61. McCune
62. Baughman
63. Vynne
64. Bergbom

JUNIOR CLASS '08—'09

ARMOUR INSTITUTE OF TECHNOLOGY



Photo by JAMES J. JOHNSON Chicago

"Them Juniors"

"Wa-al, Pa, how are ye? You're lookin' fine, and how's ma an' all the girls? —— What? Ye don't say. I allus did like Charley. The ol' mare looks just as nacherel. Ye cured that shoe boil, didn't ye? —— Oh, these clothes? Why, all the fellers at the Tech wear 'em like this. Those colors ye see on my hat are the Class colors, Dad; ye see, I'm what they call a Freshman. Our class is a hummer, too. We put it all over the Sophomores in a doin's we had. But say, Dad, there's a bunch up at the Tech. they call Juniors and there is some class to them. When we git up to the house I'll tell you all about them."

"Wa-al, if ye didn't go and build the new barn, after all. I sure thought ye was, anyway. —— Did ye? Wa-al, that accounts fer it. I'm awful glad ye did, Dad—the ol' bottom forty wasn't no good nohow."

"Wa-al, if there ain't Jawn, the hired man! How are ye, Jawn? —— Didn't know me? Aw, shucks, ye ought to seen me in the swaller-tail I rented fer the Junior dance. Just can't keep from talkin' about them Juniors, Dad. It was some suit, as they say at the Tech."

"You onhitch the mare, Jawn, and me and Dad'll go up to the house an' see the folks."

"Wa-al, Ma, it's awful good to see you—and Lizzie—and Sarah. Congratulations, Sarah. Charley's an awful good goat. —— What? What's the matter with that? Aw, shucks, I didn't mean to insult him—that's the way all of the fellers talk down at the Tech. —— Sure I do, Lizzie—got a Gillette—finest thing out. —— Uh-uh. Went to lots of 'em. Our Class had a dandy, and the Juniors—say, I'll just have to tell ye about 'em now; they ain't nothin' too good fer 'em. —— What? —— Sure, I will; come down to the city Easter, Lizzie, and I'll interduce ye to the pick of the whole lot. His name's Vynne, and he's some fusser, I'll tell ye. —— What? —— Like fun he will. I know, 'couse he was daffy over a girl from Menominee, and if you ain't just as purty and perlite as any gal in that neck of the woods I'll miss my guess. —— Thanks, Ma, guess I will have a banana. But I ain't told ye yet, so just sit down and keep quiet till it's all over, for I sure got to tell it all to ye.

"Ye see, when us Freshies started down there we was just nacherly nervous, but 'them Juniors' got us out onto the field and told us all about how to get along. There was Richards—he's their President now—and Baughman and Barrows—Barrows' head is almost as red as Pa's new barn, but he's a crackin' good scout, Dad, and 'Juice Jens,' and Buck, and all the rest of 'em just made us feel at home for sure. —— Did ye? Well, I sent 'em to ye. —— No,

they didn't get me, But we did have some time, didn't we? Two years ago, when the fellers what's Seniors now was Sophomores, they tried to cut the rush out, and the Juniors, they was Freshies then, just wouldn't stand fer it and beat 'em at their own game. And the next year, when they were Sophs, they brought back the good old rush again, and fixed the fellers we fixed last fall just as good as we did.

"But that ain't all they done, Ma; one of 'em told me about the stunts they are goin' to pull off in Junior week, and, say—if they don't beat anything that ever come to the opry house down at Juggs Center, why, I'll—— What? It did? Why, Dad, didn't the volunteer department put it—— Aw, shucks, they never will build another one in that jay burg.

"An' say, Pa, do you remember how we all talked about the Philippine Islanders not bein' able to govern themselves? Wa-al, there's a little feller belongs to them Juniors they call Muñoz that come from the Islands, and if he can't give the Juggs Center village board points on how to run a meetin' I'll miss my guess. He's a regular prince, just like all the Juniors. —— Oh, ye don't want to come now, do ye, Sis? I thought ye would. But say, I ain't told ye half yet. Last year that 'ten' bunch had a torchlight percession—fireworks and all that—over to the Freshman Smoker. And they all had caps with ten on 'em—my roommate's got his hung up on the wall; 'tain't much to look at, but it kinda reminds a feller of the good times that went with it.

"I just can't tell ye about all the Juniors and what they do, but they got some good scholars among them, too Let's see, there's Hand and Bailey and Sherwin and all of them that's 'Tau Betes,' and some of them that isn't. And then, Dad, there's Vic Cole, he was their president last year. But say, none of ye know any of them fellers, so what's the use of me tellin' ye about em? —— Do you? Wa-al, then, I'll just have to tell ye about what they do on Ogden Field? —— What? —— Oh, that's a place about as big as our cow lot what's all fenced in and fixed up for ball playin' and the like. And them Juniors is just as much at home on that lot as they are anywhere. Their Class is interclass champion in track, and they ought to be with such fellers as the Kellners and Bristol and a lot more I can't remember just now. There's about three of 'em on the Tech. baseball team, and two or three on the basket ball team. Oh, I tell you, Dad, they're winners. —— Who? —— Oh, our Class? Well, you see, we don't count fer much, bein' just startin', but we've got an awful good bunch to pattern after, so I've got hopes fer our bunch, too."

"Uppish? No, they ain't uppish a single mite. They're just as sociable as they can be. They have their theater parties and such things and all of us go.



Talk about yer good times!—say, Liz, you just wait till you come down to see me at Easter.

"Last fall the Junior bunch went and got us a lot of complimentary tickets to Riverview. —— What? —— Oh, that's kinda perpetual county fair, only bigger than any we ever had in our county, that runs all summer in Chicago—and they gave us as many as we wanted. And we had the time of our lives out there in that park. —— What? —— You don't say! Gee! I ain't stayed up so late since that last quiz in descrip'—'most two o'clock—guess we all better go to bed. I want to drive over to Roswell Corners in the mornin' and take Sue to church—seems like I ain't seen her fer ages, so good-night, Dad and Ma—good-night, Sarah, good-night, Liz. Good-night."

"Ten"

If one but stops to think and ponder over the numerals of the Junior Class what a train of thought must pass through his brain!

Ten—the basis of the decimal system, of our system of coinage, of the metric system of weights and measures, the base of our precious logarithms.

Spell it backward—"net"—and Webster says it is "pure unadulterated good—without superfluous matter."

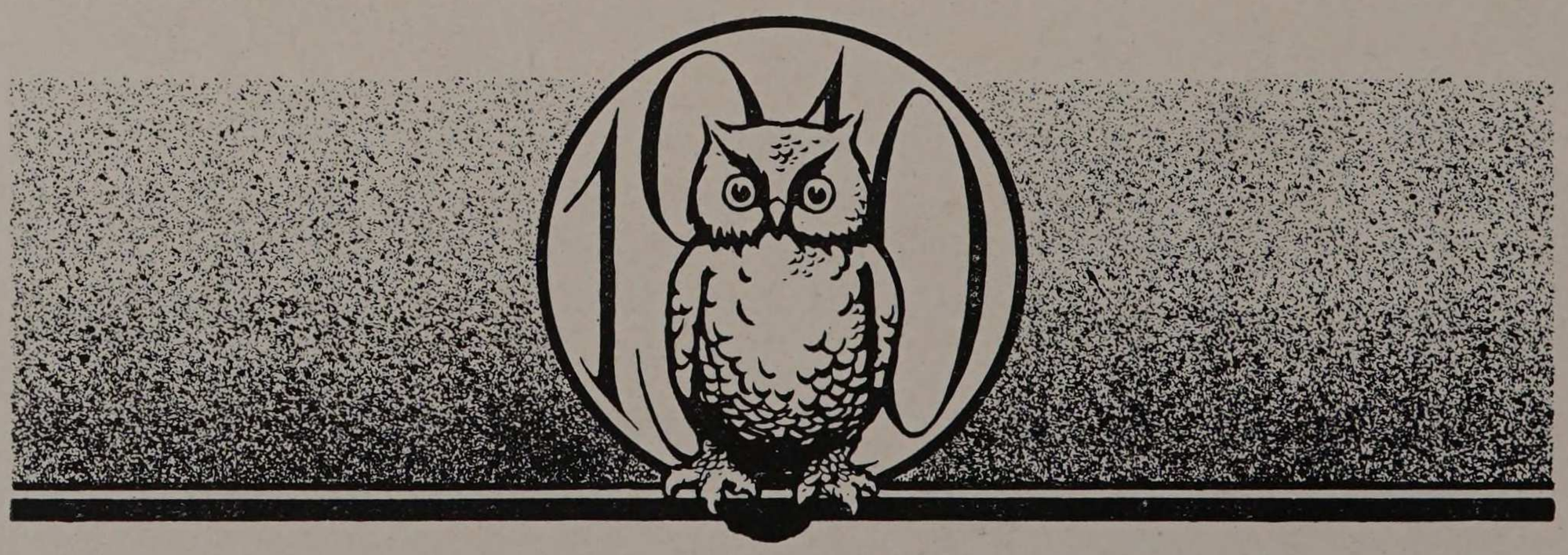
The old Romans spoke it "decem," from which we get December, the month of Christmas and vacations.

In 1910 Uncle Sam will take the first census of the twentieth century.

By 1910 the rehabilitation of Chicago's street railways must be accomplished.

The X of our algebra and calculus is just the same old ten.

It is our in-10-tion that this serve as a warning to the Class of 1911, and when they are con-10-tedly resting in their 10-ts at Summer Camp this summer, we 10-der these 10-ets for their at-10-tion, that the 10-or of their ways may have fewer 10-tations and 10-d toward 10-derer things through the example of Armour's Great 10.



SUMMER CAMP



On June 13, 1908, the "bunch" left Chicago for the north on the Chicago & Northwestern railroad, at 10:30 p. m., arriving at the imperial city of Kremlin, Wisconsin, about one o'clock the next day. Although a few of the party suffered from sea-sickness and food that did not agree with them, everybody reached the camp site, about three-quarters of a mile from the railroad track, in good shape. Here they found only the cook tent, the dining tent, and equipment tent put up, and the next thing on the program was to erect the tents to sleep in. The fellows split up into parties of five or six, went to work and soon had all the tents put up.

The camp was situated on the tops of two hills. On one hill five tents were erected, which were collectively known as "Poverty Row." The feature of this group was the large 1910 pennant, suspended from the pole of the tent occupied by the "din-a-miters." The other hill was known as "Knob Hill." The four profs—"Pa" Phillips, Converse, Johnson and Stevens—were in one tent, and such model youths as Lanky Smith, Sheriff Lessel, Dago Letterman, Alias Convict 999, Butler, Erick Erickson, Whisky Szeszycky (pronounced Zzzssski), Black Batch Richards, Poor As Kent Harger, and Dutch Schlinz were in the tents adjoining that of the "powers that be."

Each tent of "Poverty Row" had a nickname. The "bunch" known as the "din-a-miters" comprised Bristol, the two Kellners, Eliel, Eckert, Williams and Kloman. Then came "Freiburg's," occupied by da Silva, Cleaver, Adolphus Jensen, Tough Mug Mandler and Parker. Next in line stood "Mamie's," dwelt in by the "Candies"—Mr. Vynne, Mr. Tobias, Mr. P. D. Van Vliet, Mr. Burke, Mr. Cooper and Mr. Pierce. Next came the "individually" and the "collectively" tent, where Messrs. Cole, Powell, Binder, Clark and Miller condescended to repose their limbs when the sun had sunk into the golden west. Last, though least, came the Igorrote village, inhabited by the Chico twins, Osmeña and

Muñoz, Guthier, Wamsley and Cravin. The bull-pen was occupied by Juice Jens, Ginger, Peerless and 'Aye' Arvey Jones.

After having acquainted the reader with the camp and the cliff-dwellers, we will set forth the most important occurrences in the following diary:

June 17. Bristol is sick from Peerless tobacco. When Jones is around "Pa" quickly fills his pipe inside his coat.

June 19. Big lumber drive of Menomine River Drive Co. comes through the dams; 80,000,000 feet of timber, and a collection of Hiawathas, Canucks, Micks, Svenskas, etc., though happily no Geeks, pass by.

June 24. "Poverty Row" glee club concert. Solos by Messrs. Williams and O. Kellner.

June 26. Dance at Kremlin. Three Faithorn Junction girls and thirteen Armour fellows attend.

June 27. Powell and Binder have the nightmare.



BRIDGE NEAR CAMP SITE

June 28. Victory Cole is din-a-mited. There's a red light on the track, etc. The mysterious night-riders are called dogs, skunks and other elephants, besides being threatened with being whipped individually and collectively. Bill Williams proposes a novel scheme to determine the guilty party, which is overheard by "Pa."

July 4. A sane Fourth is "pulled off." Some fellows go to Iron Mountain, some remain at camp, but the majority go to Pembine, where the Armour boys engaged in a baseball game with Pembine. Armour wins, 7 to 2.

July 6. Mrs. Phillips and children arrive. Osmeña publicly does not believe a mile square equals a square mile; privately he does.

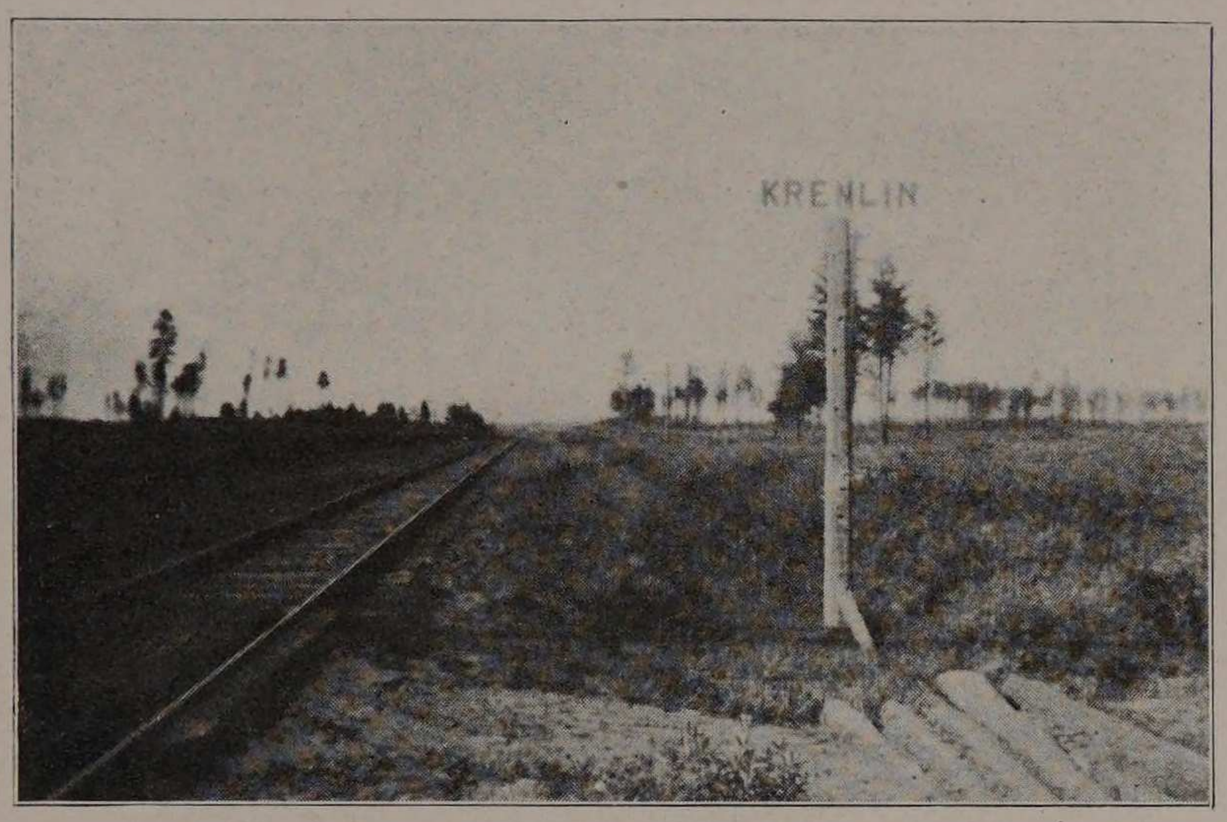
July 7. Mutton for dinner—Hurray, Hurrah, Hurroo for that!

July 8. Chicko de Geek invents a curve that crosses the tangent three times. He is willing to bet three dollars he is right.

July 9. M. Osmeña walks out to work in sweater; on finding sun too hot for comfort, he walks back to the village and puts on a shirt. He is ready for work at 10 a. m.; early for him.

July 10. Cole says that distance swimmers do not dive. The ridge pole in Cole's tent is repaired, when consulting engineers on job think bending moment at center is too great.

July 11. Bill Williams and Stew Eckert, otherwise known as Shorty, have a prune-eating contest. Shorty noses out Science in a close finish by a score of 82 to 80—"Oh, Prunes!" The gray-headed one issues a challenge to Eck for another contest to be held in the near future.



CITY OF KEMLIN

July 13. "Vot is de matter?" "I am ready now, Wamsley." "Do you not like my pronunciation?" "Yes, we do not." "Double up."

July 12. "Pa" and Mrs. Phillips entertained by "Poverty Row" glee club. So as to vary the monotony, the usual program is altered.

July 13. Dear John and Bub:

Others love you that I know,
And you are another girl's beau,
But won't you let me love you, too?
I am pining away my heart for you.

July 14. Tobias slides down a mountain with a transit. Luckily the latter escaped injury.

July 15. Osmeña, the chicklet, chases a hoot owl in the hot sun with a big heavy twelve-foot stadia rod, until he is sick in the cool shade. *Verückt.*

Sayings heard around camp: "Let's get going," "Let's get on the job, boys," "Here it is, gosh dang it," "Good boy, old girl," "See, if I care," "The deuce with you, Tom Sharkey!" Whisky: "Eleven times."

For convenience in obtaining money Bill Williams had his father write out his lucre in seven checks. Wise father!

July 17. The bunch go to Iron Mountain and go down a mine. Great biz! They also see trolley cars, and eat cigarettes and sodas.

July 18. Another baseball game is pulled off with Pembina. We win, 25 to 19.



IN THE GLOAMING

July 23. The wife of the superintendent of the Michigan & Wisconsin Railroad, and a party of friends, came to visit the camp. Shortly after noon they decided to go out on the little suspension bridge, which crosses the creek, to take a picture. The boys, swimming down at the dam several hundred yards away, could see the party leaning on the railing of the down-stream side of the bridge. Suddenly shrieks and screams pierced the air. A faulty cable hook on the side on which the party were leaning gave way and the bridge overturned. The boys, in their swimming suits, were quick to see what had happened and speedily effected a rescue. Most of those on the bridge escaped with a ducking and a few bruises, except Converse and Burke, who for a time appeared to be seriously hurt. It was a miraculous escape for the entire party, the bridge being about thirty feet above the jagged rocks and swiftly flowing water.

July 25. Our car pulled out of the union depot at Kremlin at 2:00 a. m., and most of us were in "Chi" that night for supper with the folks.



OFF FOR THE NORTH WOODS

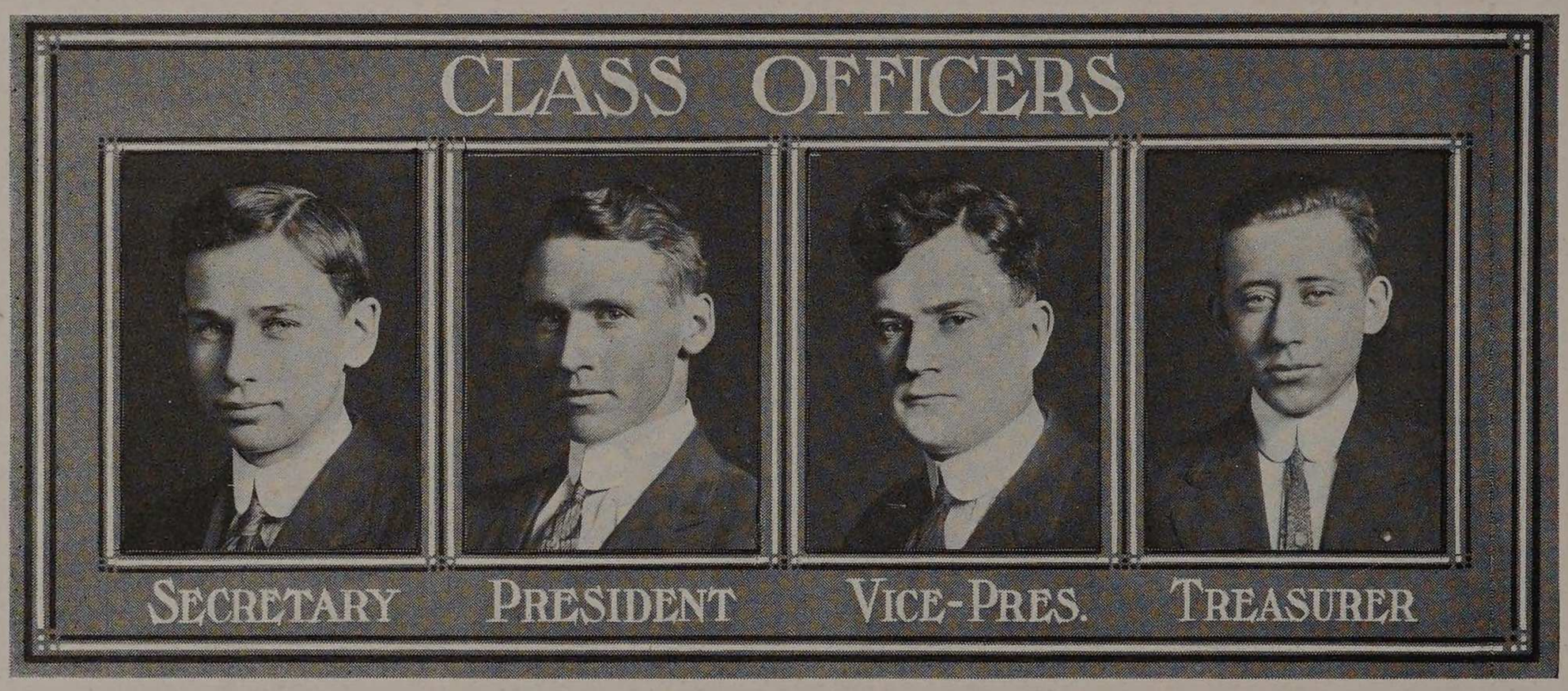

SOPHOMORES
A
MJ

The Class

OF

Nineteen Hundred and Eleven

Sophomores



ALVIN MCCAGUE R. J. GEISLER H. J. JONES L. D. KILEY

COLORS: *Maize and Blue*

YELL: *"Yea—'leven*
Yea—'leven
E-L-E-V-E-N—Eleven!"

INTEGRAL REPRESENTATIVES

RUPERT J. GEISLER GEORGE E. VAN SLYKE

FULCRUM REPRESENTATIVE

F. J. SCHMIDT

SOCIAL COMMITTEE

CHARLES W. HILLS LEROY D. KILEY GEORGE LAWRENCE

List of Members of the Sophomore Class

STUDENTS IN ARCHITECTURE

Baxter, L.
Beudry, R. L.
Booth, H. L.
Braton, C.
Cheney, H. L.
Cullan, G. P.
Dalsey, H. L.
Friedman, R. N.
Fuller, R. G.
Greenfield, G. H.
Greengard, B.
Gustafson, H.
Herlin, G. W.
Hooper, W. T. F.
McEwing, L. B.
Merriman, H. A.
Noe, W. M. B., Jr.
Odgers, P. G.
Olsen, H. M.
Powers, E. R.
Rohm, W.
Sailor, H. G.
Sasse, G. T.
Schwartz, A.
Sharpless, S. F.
Shreeve, A.
Smalley, R. E.
Strong, B. P.
Taylor, C. A.
Tillotson, M. F.

STUDENTS IN CHEMICAL ENGINEERING

Beck, H. T.
Bornstein, H.
Currin, E. L.
Donn, J.
Green, G. V.
James, G. B.
Johnson, H. S.
King, A. W., Jr.
MacKenzie, J. A.
Miller, P. F.
Pirrie, P. G.
Roleson, E., Jr.
Sieck, H.
Steuer, H. G.
Turley, E. W.

STUDENTS IN FIRE PROTECTION ENGINEERING

Alling, H. M.
Daniells, M.
Doering, R. C.
Kenngott, A. G.
Metz, F. W.
Moore, W. W.
Perkins, H. R.
Schultz, W.

STUDENTS IN CIVIL ENGINEERING

Beach, A. B.
Binder, C. W.
Bredlau, A.
Brown, L. E.
Burke, O. S.
Burlow, H.
Butler, H. L.
Casey, Martin.
Foster, H. O.
Geisler, R. J.
Griffis, C.
Hills, G. B.
Howell, I.
Hull, C. H.
Hynes, P. R.
Jensen, R. F.
Mandler, E.
Marx, C. H.
Newbert, L. W.
Powell, L. L.
Ratkouski, E. P.
Schmidt, F.
Schutz, S. J.
Seidler, H. F.



Students in Civil Engineering (Cont'd)

Cleaver, T. G.
Cohen, M.
Cooper, C. H.
Corning, R. M.
De Wolf, E.
Erickson, O. R.
Ferrenz, T. G.
Johnson, R. B.
Jones, Harvey W.
Kurzen, M. W.
Laskey, H.
Lawrence, G. W.
Lotz, H. F.
McAvoy, W.
Silva, C. J. da
Simons, L.
Smith, C. M.
Szeszycki, I.
Wheelock, R. A.
Zack, R. R.

STUDENTS IN MECHANICAL ENGINEERING

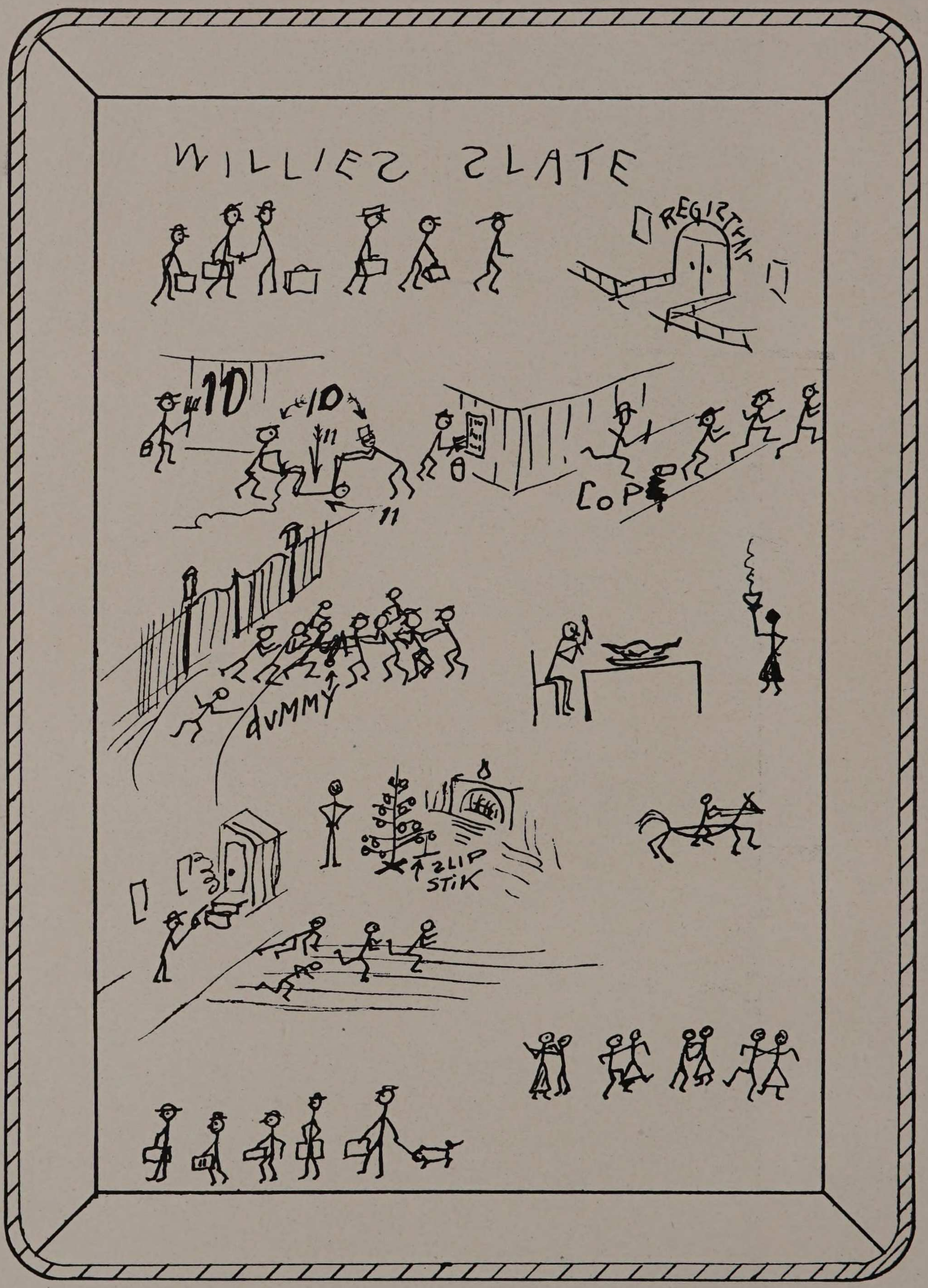
Bruce, W. C.
Canman, E. L.
Cummins, G. F.
Dinse, Geo.
Fenn, J. G.
Gougler, J. H.
Griffiths, F. H.
Gugis, K.
Llewellyn, K.
McCague, A.
Mudgett, A. P.
Oehne, W.
Parsons, H. N.
Peck, W.
Robinson, J. M. A.
Rynders, G. W.
Sieck, W., Jr.
Smith, E. J.
Strawbridge, R.
Van Slyke, Geo.
Wong, Yuk.

STUDENTS IN ELECTRICAL ENGINEERING

Aldrich, E. E.
Anderson, L. C.
Baird, C. J.
Benson, C. E.
Bloomfield, J. C.
Boettcher, R. E.
Carlson, W.
Cohen, I.
De Tar, De Los.
Dormitzer, M. R.
Drew, W. W.
Egloff, F. T.
Eickenburg, P.
Emmons, G. C.
Fletcher, J. H.
Gardner, W. K.
Goldberg, I.
Gonzales, A. L.
Grotewohl, L. A.
Hall, C. D.
Hatch, R. S.
Hay, Robert.
Hays, F. L.
Heitner, W.
Hills, C. W., Jr.
Hubschman, A. M.
Hupp, H.
Hutton, H. K.
Keeler, H. S.
Kellogg, F. L.
Kiley, L. D.
Knonicek, F., Jr.
Kroscher, W. F.
Langstaff, H. P.
Lohse, A.
McGuire, W. P.
Mabbs, J. K.
MacKenzie, T., Jr.
Nelson, A. W.
Newhouse, A. M.
Paszkiewiez, J. A.
Pettibone, G. D.
Reed, J. S.
Rothwell, P. A.
Schmidt, E. J.
Snow, C. A.
Tellin, W. G.
Weber, A. J.
Webster, N. A.
Whitaker, D. A.
Wiederanders, E. O.
Williams, L. L.
Witte, O. A.
Zimmerman, C. L.



THE CLASS OF 1911--SOPHOMORES


WILLIES SLATE
REGISTRAR
10
10
11
11
COP
DUMMY
SLIP
STIK



"diry—uv yea 'leven"

sep. 16.—miny trains brung fellers to lay by the feet of that monymint uv lernin Armour's Institute (& swel hir tresry). most uv us wat didunt no the rops stewd in lin. wen we had bot our books our stumiks wuz emty.

sep. 24.—yestady tew uv us fellers lade fer a soff in woodlawn an took sum uv the posters awai frum him. las nite wen the soffs wuz sleepin us freshees got owt weth paynt an postirs but ten wuz smeared all over the tertorry. thay say the soffs had a born (we dunno) innyway we hed a peach uv a scrap which the nites of the hury wagin dispursed cevrul times.

toda we hed the rush. cap larson marshel uv ogden feeld cald it a draw.

sep. 27.—freshmun handshak it raned auful but evrywun hed a fine tym an we got the glad hand frum the uper classmun. the handowts wuz xclent.

nov. 28.—thanksgivin holidas. all uv us fellers hed enuff to eat fer onct. bles our hapy homs.

Xmas holidas nuther an longir chanct at the eats.

jan. 1st.—08 unh—unh i meen 09—sum uv us fellers resolvd to mend our ways & not let our collij lif intrefear with our coars.

jan. 6.—toda mos uv the fellers arivd—faclty glad to see us bak (?).

jan. 20.—kuming events kast ther shados befor. yella perill starts sum fellers to bonin.

apr. 24.—we make our debu as hosts & leven wuz lit up & the dans wuz a grate suces mos uv the fellers hed purty gurls. evrywun okayd the frapay & the musik wuz grate you bet.

jun. 12.—the exams are ovr & we are redy to rest. the year has impruved our mentl kalaber imenzly (apologys to burk), leven hes miny men on the teems & we are firmly intrenshd in the life uv the institute.

The Sophomore Year

On Tuesday, September 8th, we entered our Sophomore year at the Institute. The year promised much for us in the way of "College Life," to say nothing of the delights of Physics and Mechanics.

After being duly registered we turned our attention to the promising but untried Class of 1912. They had arrived in great numbers from the four corners of the earth, and, like we of the previous year, were resolved upon a year of achievement. To decide their fate we held many secret class meetings. The result of which was the unanimous decision for a rush. Accordingly we laid our plans, elected officers, and made divers other equally important provisions for the coming event. Were we successful? Well, rather! It isn't every Freshman Class that is given a "lake trip" by their superiors, to say nothing of a ride in the closed carriage with steps in the rear.

While the Freshmen did not succeed in unfurling many '12 banners, nor in painting their "numerals" about the campus, we give them credit for having the right idea and plenty of class and college spirit.

A few nights following, at the Freshman handshake which took place in the "beanery," introductions, speeches and refreshments were in order. Eleven takes the credit for a little stunt that was pulled off during the evening. Captain Larson can furnish the particulars, as he suffered the greatest loss.

It was duly decided to give the annual "Freshman Smoker" upon November 6th. Accordingly on this night there assembled in the South Side Turner Hall a merry crowd of smokers. Noise, smoke, song, and good-fellowship were paramount. Most of the noise was made by the Sophomores, for we conceived the idea of attending the smoker armed with cymbals. The results fulfilled our fondest hopes, and we set in vibration sounds which will never cease to echo in that old hall.

Throughout the year we have sent a worthy representation to the various class dances and parties. All who attended our dance voted it one of the most enjoyable social events of the year.

In studies, on track, on field, records have been established by our sturdy classmates which will go down in the annals of our college as a memory of the Class of 1911.

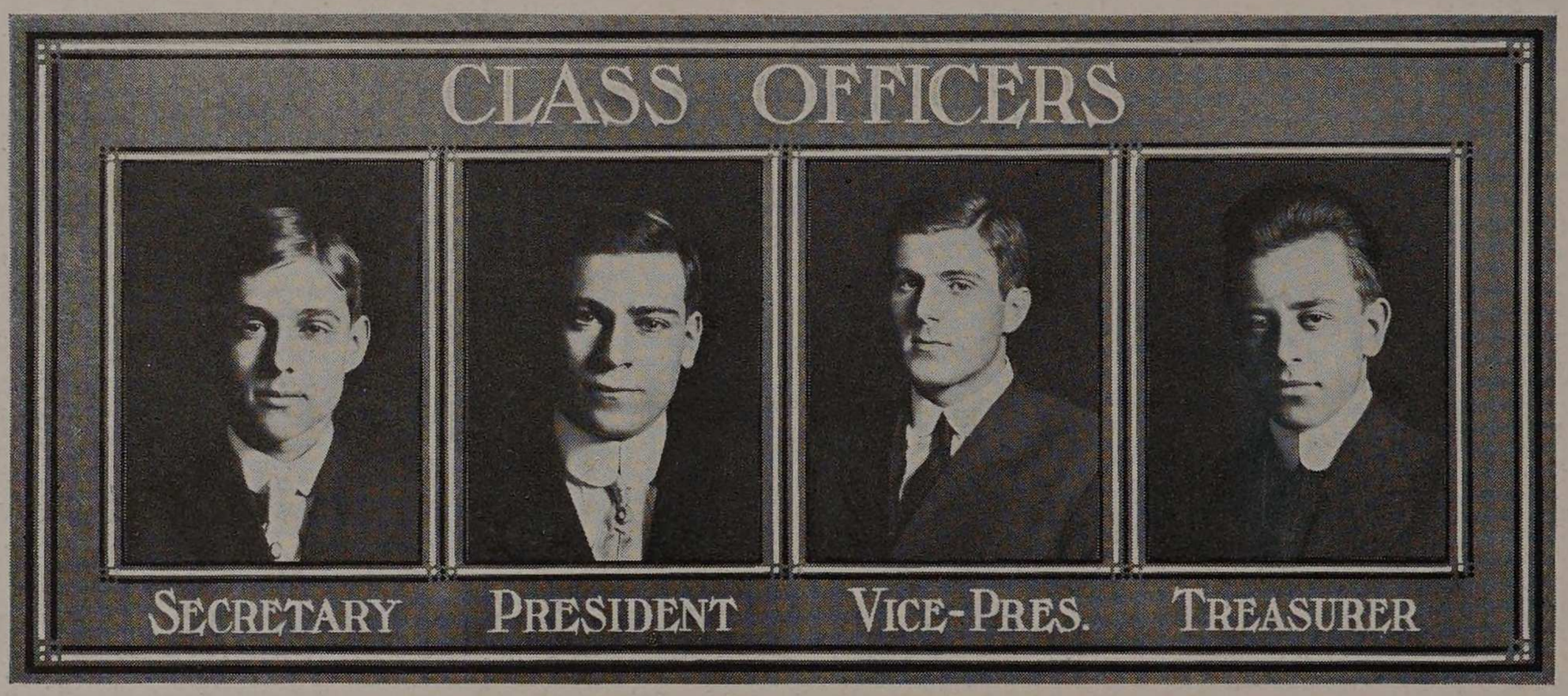

FRESHMEN
JM

The Class

OF

Nineteen Hundred and Twelve

Freshman



L. H. Roller Marcus Peiser Rex Mesny H. A. Babcock

Colors: *Purple and White.*

Yell: *"Hullabaloo, Hullabaloo,* 1-9-1-2,
Hullabaloo, Hullabaloo, 1-9-1-2,
Hullabaloo, Hullabaloo, 1-9-1-2,
Twelve.

INTEGRAL REPRESENTATIVES

Harry O. Lawson George A. Anderson

SOCIAL COMMITTEE

Rex Mesny Henry Babcock Carl Garrison

List of Members of the Freshman Class

STUDENTS IN CIVIL ENGINEERING

Anderson, Geo. H.
Anderson, Seymour
Beech, Crowell
Chandler, J. E.
Chapman, Denison W.
Claar, R. S.
Clark, Ronald B.
Collins, Chas. W.
Dierking, Fred C.
Farrelly, Leo
Fraser, Roderick J.
Garrison, Carl W.
Goodnow, D. H.
Hess, Adolf
Holden, Edward C.
Holtman, Dudley
Hutchings, P. A.
Jacobsohn, Herman
Johnson, H. A.
Kalbfell, David M.
Kornfeld, Leo
Legner, Louis E.
Lewis, Geo. D., Jr.
Loewenberg, Max L.
Lundburg, J.
Lutze, Raymond C.
Mack, Frank J.
Malzen, Manfred
Mesny, Rex B.
Neufeld, Ralph
Niemz, Arthur M.
Overstreet, R. H.
Pieser, Marcus
Peterson, Ralph
Phillips, Bernhard
Radzin, Conrad T.
Rylander, Paul A.
Schreiber, Erving
Schwane, Anthony
Sexton, Frank A.
Spindler, R. W.
Swanson, W. R.
Todtmann, Harry G.
Varges, A. L.
Verhoff, Jack R.
Voight, A. L.
White, Lester M.
Wolfe, Arthur W.
Wolfe, Thomas F.

STUDENTS IN MECHANICAL ENGINEERING

Babcock, Henry A.
Beerbaum, Arthur
Bell, Walter T.
Boucher, Fabian
Caswell, Percy A.
Chestnutt, Ralph C.
Christensen, Harry J.
Clark, John O.
Coates, J. G.
Dreffein, Fred
Drew, Robert S.
Drew, Walter W.
Dunn, William C.
Fors, Adolph F.
Galbraith, Jack
Gilbert, Frank G., Jr.
Goldberg, Dave
Grassby, William
Hennis, Wilbur A.
Hooper, W. Dave
Irving, Geo. F.
Keachie, Paul L.
Kosters, Stuart F.
Krausz, A. A., Jr.
Larson, Herbert
Lawrence, M. F.
Leverenz, Martin C.
Ligaire, Geo.
McGillivray, C. L.
MacGregor, H. P.
Moore, Milburn
Redlich, Rudolph, Jr.
Ruef, John E.
Schmidt, J. Oscar
Schmidt, William
Strale, Nels
Tomlinson, J. A., Jr.
Waldner, E. F.
Whiting, B. H.
Worster, H. N.
Wyman, R. W.

STUDENTS IN ELECTRICAL ENGINEERING

Abrahamson, Oscar F.
Andrew, James M., Jr.
Armstrong, R. C.
Armstrong, Graham
Arp, Walter B.
Barlow, Simon
Baumberger, C. A.
Bjorge, Thomas
Bradford, P. L.
Cox, Albert M.
Crawford, E. H.
Drew, Harvey A.
Enoshita, T.
Erickson, Geo. T.
Evans, Percy
Gabler, Mathias
Gallagher, Vincent
Hand, Edwin E.
Hayes, Don Llewlyn
Hazen, Fred G.
Hunt, Prosper J.
Harlow, Stuart K.
Ingram, H. D.
Janeke, H. C.
Jones, Chas. Herbert
Kaun, Robert, Jr.
Kubelsky, Benj.
Lambright, G.
Lawson, Harry O.
Leibrandt, Charles
Lindberg, William A.
Marple Richard, Jr.,
Martin, Walter
Meade, G. R.
Michael, John C.
Mudgett, Leon
Markinsky, Charles
Newman, Irvin
Noren, Harry E. F.
Pagliarulo, V.
Pasimansky, H. E.
Peck, F. J.
Peterson, S. F.
Porter, J. C.
Recksiek, William H.
Reid, Chas. A.
Renaud, Eugene
Roller, Louis H.
Ross, Ralph R.
Schilling, Clarence A.
Schuler, Chas. R.
Sidon, Edward L.
Stafford, Gordon
Strong, Paul A.
Sturtz, Harry K.
Tyler, Benj. K.
Vial, Chas. H.
Volger, Edward
Whiting, Bruce I.
White, L. R.
Yoshida, Henry T.
Zapp, Carl A.

STUDENTS IN ARCHITECTURE

Alexander, Harold C.
Ames, Albert
Braun, William T.
Connell, Dan.
Converse, Lawrence
Dewalt, Edward V.
Dyer, Scott C.
Fennessy, Thomas J.
Fjeldseth, John T.
Fritzberg, Richard J.
Furst, George
Gilbert, Harvey W.
Gray, Marion J.
Green, Harry
Harris, R. C.
Hays, E. B.
Keuser, Matthew
King, Edwin C.
Kruger, J. H.
Legel, John G., Jr.
Leviton, Morton I.
Machacek, Jacob
Madsen, Leo
O'Keefe, Carroll
Piontek, Clement L.
Schneider, C.
Scott, Mrs. Ann Coble
Scoville, Rollin C.
Sincere, Edwin N.
Skinner, Geo. P.
Thomas, Thomas L.
Vance, Lyle
Welch, Philip
White, Austin
Wolfrun, Stanley
Wustenfeld, Rudolph
Waldron, H. R.

STUDENTS IN CHEMICAL ENGINEERING

Beifold, H. A.
Davis, Harry
Dormitzer, Henry
Foster, Warren
Goldstein, Joseph
Gundaker, George E.
Holmboe, Wilford
Kahn, Sidney
McGinnis, Russell C.
Malekow, Philip
Marsh, Henry
Ness, Charles
Newman, Joseph A.
Olech, Benj.

STUDENTS IN FIRE PROTECTION ENGINEERING

Ahern, A. A.
Frary, Paul V.
Smithson, Stuart



The Class of 1912—Freshmen

History of the Class of 1912

Freshmen to the right of them,
Freshmen to the left of them,
Freshmen in front of them,
Hollered and thundered;
Theirs not to make reply,
Theirs not to reason why,
Theirs but to turn and fly,
Sophomore one hundred.

The Freshman class of 1912 began its college career under great difficulties, being unable to organize in the beginning of the year and having to hold their first meetings in the open field. However, due to the efforts of the officers of the previous year, with the assistance of the class of 1910, the Freshmen prepared for the coming rush with the Sophomores.

The first demonstration of the superiority of this class was made on the morning of September 13th, at 3 A. M., when five Freshmen raised their first banner on the flag pole on Ogden Field, under the very noses of a mob of Sophomores and several policemen. This flag was removed by the janitors, but the following morning another '12 banner graced the pole and hurled defiance at the awed and bannerless Sophomores.

On Monday night at 12 o'clock about seventy-five Freshmen met at Forty-third street and Indiana avenue, and from there proceeded to where they had their paint and brushes. At the corner of Thirty-third and Calumet the Sophomore "rabble" was encountered. Here was fought the biggest battle in the history of the Institute. After a half hour of fighting most of the Sophs were subdued, and, had it not been for the interference of outside forces, would not have been seen at school the next day.

The Freshmen now marched down to the lake to rescue several of their number whom the class of '11 had captured on the way home from school. The defeated Sophomores wisely, though not valiantly, refrained from following, but left for the vicinity of the school, where they succeeded in painting a few '11's.

The rest of the evening and part of the morning was more or less enjoyably spent by seventy-seven students in short rides and in standing in crowded quarters admiring the bare walls and lattice work.

The smoker given to the Freshmen by their senior classes was pronounced a great success by all, and if the din which followed each number on the program were proof of it, it was a "howling" success.

Another success recorded to the Freshmen was their dance of February 26th at the Lakeside Club House. One of the features of the dance was the unique programs. These were of leather and were A-shaped. The fact that the faculty was largely represented contributed greatly to the success of the affair.

In athletics, also, this class bids fair to become supreme, having already shown their superiority in basket-ball.

Such was the chain of events which closed with the production of the Sophomore New Year resolutions, which they are faithfully living up to.

When can their glory fade?
O the great name they made!
All the world wondered.
Honor the name they made,
Honor the '12 Brigade,
Noble two hundred!




IN ARCHITECTURE.
THE HAND.
THE HEAD.
AND THE
HEART GO
TOGETHER.
ΝΑΕΣΟΣ
ARCHITECTVRE

THE ATELIER

SENIORS

CLASS OF 1909 MASSIER O VON GUNTEN 29

A.C. BUCKETT	30	M NEU	27
L.O. HAGERUP	28	A T WALDO	31

JUNIORS

CLASS OF 1910 MASSIER R.H SALISBURY

W.W ALSCHLAGER	44	B. E. LLOYD	42
W. R. BAJARI		E. S. PASHLEY	41
P. D. BENTLEY		J. E. PATERSON	35
D. W. BOWMAN	33	L. P. ROWE	38
L. D. CLARK	37	S. A. SHREEVE	36
G. W HERLIN		A. C. STEIGELY	32
W. K. HOWENSTEIN	45	M. G. THOMPSON	40
H. H. HUSSEY	39	M. TURNER	
J. D. LIVERMORE	43	T. G. VON GUNTEN	46

SOPHOMORES

CLASS OF 1911 MASSIER R.N. FRIEDMAN 49

L. O. BAXTER	59	W. T. HOOPER	
R. E. BEAUDRY		L. MADSEN	55
H. L. BOOTH	64	H. A MERRIMAN	60
G. P. CULLEN	62	W. B. NOE	65
H. L. CHENEY	56	G. P. ODGERS	51
R. J. FRITZBERG	69	W. B. ROHM	57
R. S. FRODIN	48	H. G. SAILOR	66
R. G. FULLER	53	G. T. SASSE	58
G. F. FURST		A. A. SCHWARTZ	52
B. GREENGARD	50	S. F. SHARPLESS	47
H. GUSTAFSON		R. E. SMALLEY	63
G. H. GREENFIELD	67	B. P. STRONG	68
R. C. HARRIS	61	C. A. TAYLOR	54
L. B. McEWING		M. E. TILLITSON	

FRESHMEN

CLASS OF 1912 MASSIER E C KING

H.C. ALEXANDER		M. KEUSER	8	G. W. ROTH	
A. ANIS	2	L. KINCAID	26	C. SCHNEIDER	7
W. L. BRAUN	16	J. H. KRUGER	20	MRS. A. SCOTT	24
D. CONNELL		G. B. LARSON		R. O. SCOTT	
L. CONVERSE	23	J. G. LEGEL	5	R. C. SCOVILLE	12
H. J. DALSEY		M. I. LEVITON	11	E. M. SINCERE	14
E. V DEWALT		F. C. LINDSLEY		G. P. SKINNER	
S. C. DYER		J. MACHACEK		J. H. SMITH	
T. FENNESSY	13	W. McAVOY		T L. THOMAS	22
J. T. FJELDSETH	18	C. J. O'KEEFE		E TORTENSON	
H. W. GILBERT	19	H. M OLSON	10	L VANCE	6
LAURA M. GILBERT	25	R. PERRY		H. R. WALDRON	
M. J. GRAY		C. L. POINTEK	3	P. H. WELCH	
C. GRIFFIS		E. R. POWERS		A. G. WHITE	
H. GREEN	4	A. G. REEVES	9	S. A. WOLFRUM	
E. B. HAYS	17	C. A. REID	15	H. M. WORSTER	
		R. WUSTENFELD			

HERLIN.

THE ATELIER '08 '09

ARMOUR INSTITUTE of TECHNOLOGY

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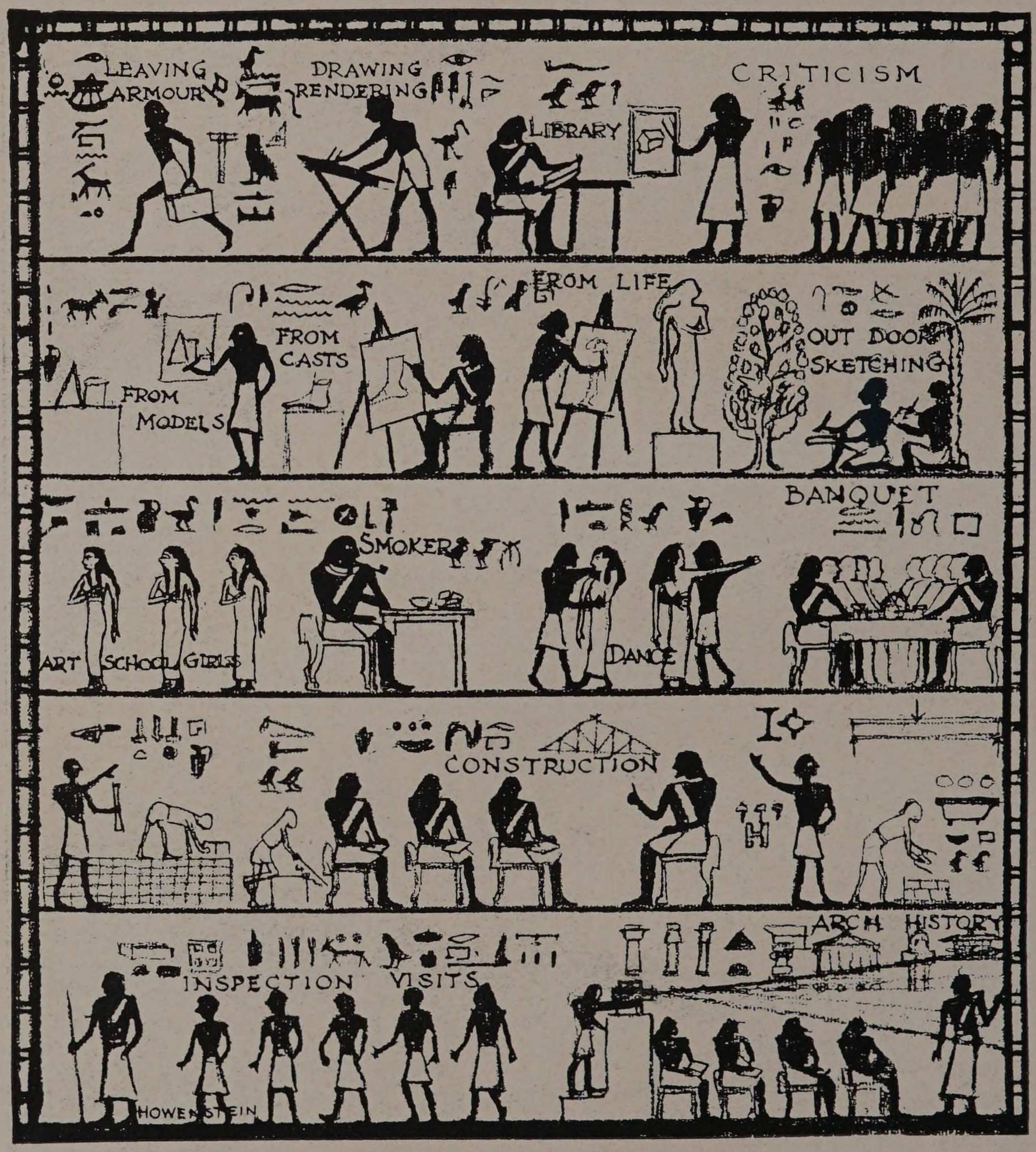
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PHOTO BY JAMES J. JOHNSON CHICAGO

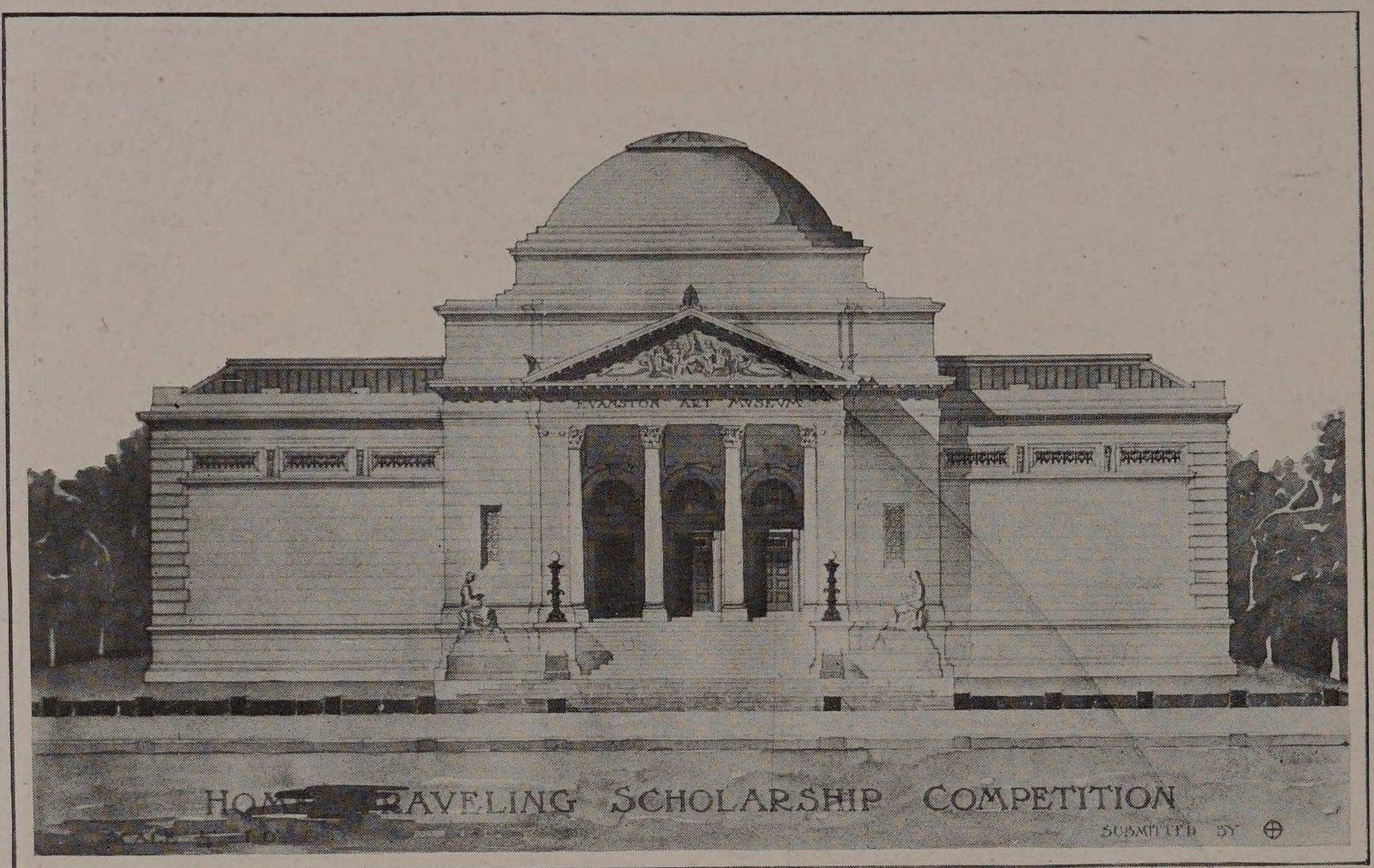
IN SEPTEMBER, 1908, THE INTEGRAL BOARD SENT AN EXPEDITION OF PICKED MEN TO GATHER INFORMATION CONCERNING THE ARCHITECTS WHO BUILT THE PYRAMIDS AND NUMEROUS WONDERFUL BUILDINGS AT THE ART INSTITUTE OF CHICAGO ABOUT 4000 B. C. THE VAST STORE OF VERY PRECIOUS SCENES AND INSCRIPTIONS THAT HAVE BEEN BROUGHT TOGETHER WILL FORM, WHEN TRANSLATED, A VERY COMPLETE HISTORY OF THAT REMARKABLE PEOPLE. THE FIVE INSCRIPTIONS BELOW HAVE BEEN CAREFULLY TRANSLATED AND FOUND TO BE DESCRIPTIVE OF THE FOLLOWING PHASES OF THE COLLEGE LIFE OF THE ANCIENT EGYPTIAN ARCHITECTS: ARCHITECTURAL DESIGN, FREEHAND DRAWING, SOCIAL AFFAIRS, BUILDING CONSTRUCTION, AND HISTORY OF ARCHITECTURE.



RYERSON LIBRARY

THE TWO PLACES WHERE THE ARCHITECTS SPEND MOST OF THEIR TIME. "INSPIRATIONS" FOR THEIR DESIGNS ARE PROCURED IN THE LIBRARY AND "EXECUTED" IN THE DRAFTING ROOM.





THE $250 PRIZE PROVIDED FOR THE HOME TRAVELLING SCHOLARSHIP COMPETITION OF 1909 WAS AWARDED TO GEORGE W. HERLIN. THE PROBLEM WAS TO DESIGN AN ART MUSEUM FOR EVANSTON, GIVEN THE DIMENSIONS OF LOT, APPROXIMATE FLOOR AREA AND A DESCRIPTION OF THE ROOMS REQUIRED.

AFTER EACH PROBLEM IN DESIGN HAS BEEN COMPLETED THE DRAWINGS ARE CRITICISED AND AWARDED MENTION BY A JURY OF ARCHITECTS. THE PHOTOGRAPH BELOW SHOWS THE CRITICISM OF THE DESIGNS SUBMITTED IN THE TRAVELLING SCHOLARSHIP COMPETITION.



In Memoriam



WILLIAM H. WALSH

Born: ——— —, 1885
Died: August —, 1908

William H. Walsh, a member of the present Junior class, attended the Institute for the greater part of the Freshman year, leaving college in the spring on account of ill health. After leaving school Mr. Walsh was employed in the electric lighting industry, being at one time manager of the plant at Memphis, Texas.

While taking a week-end vacation at Palo Duro Canyon, Texas, Mr. Walsh was drowned accidentally. He will be remembered by all the Junior class, and we are sure that all who knew him will deeply regret his demise.



THOMAS ALEXANDER SMYTH

Born: October 6th, 1885
Died: July 12th, 1908

Mr. Smyth was a member of the class of 1911 and was injured while bathing in Lake Michigan, July 5th, 1908, and died from his injuries a week later.

He was born in Chicago and was prepared for Armour at St. Ignatius College and McKinley High School.

Mr. Smyth was a popular man with his classmates and they greatly deplore his untimely death.

FRATERNITIES

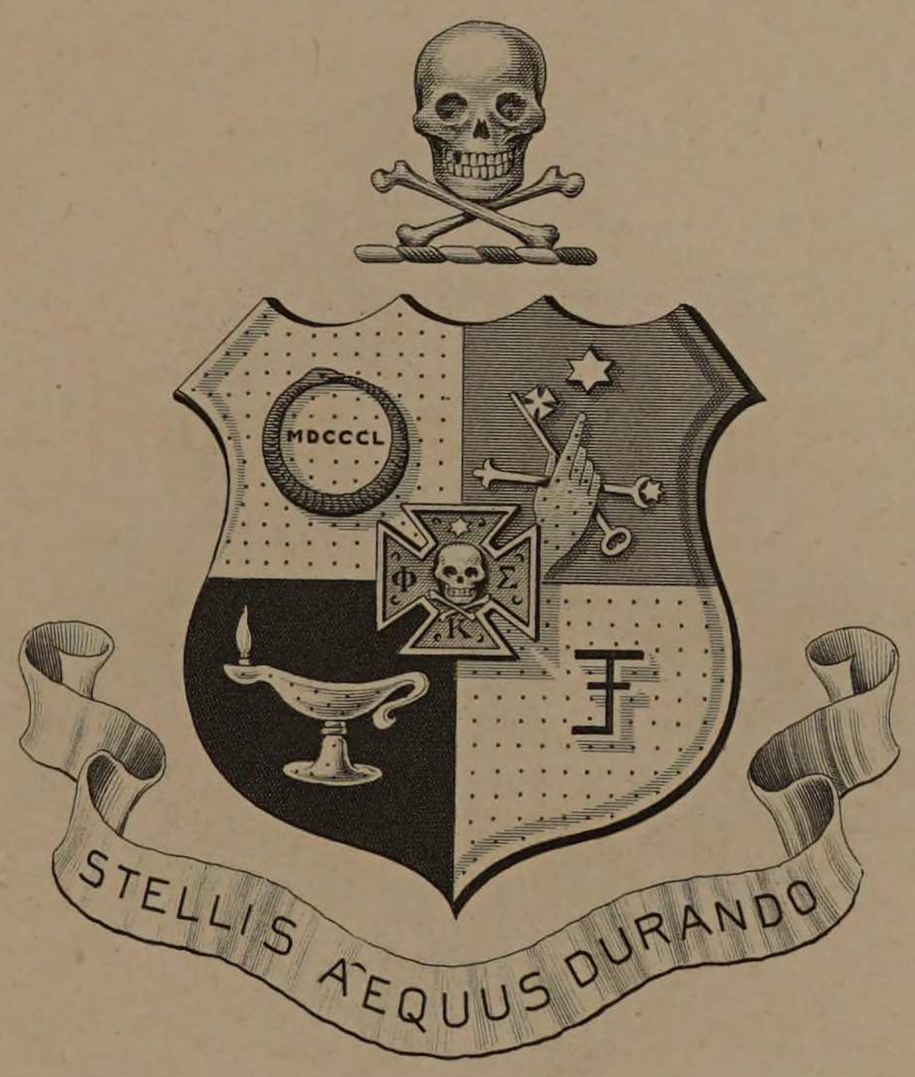




Phi Kappa Sigma

Delta Tau Delta

Tau Beta Pi



Dreka, Phila.
Design Patent applied for

Phi Kappa Sigma

Chapter Roll

Alpha—1850	University of Pennsylvania
Delta—1854	Washington and Jefferson College
Epsilon—1854	Dickinson College
Zeta—1854	Franklin and Marshall College
Eta—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
Alpha Psi—1891	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

Phi Kappa Sigma

Alpha Epsilon Chapter

FOUNDED 1898

Seniors

SAMUEL JOB AURELIUS
JAMES SEYMOUR HARVEY, JR.
ELMER VERNE McKARAHAN
ELWOOD MILLEN PINKERTON
ATLEE CECIL RIKER
MILTON CICERO SHEDD
HALLAM CHAMPLAIN SMITH
JOHN TUTHILL WALBRIDGE
WALTER HINKSTON WIARD

Juniors

EDWARD ENDICOTT BOLTE
GLENN WARNER BUCK
WALTER GALT JENS
HARRY J. ROGERS

Sophomores

EDWIN HERMAN CRAWFORD
GEORGE WILCOXEN LAWRENCE

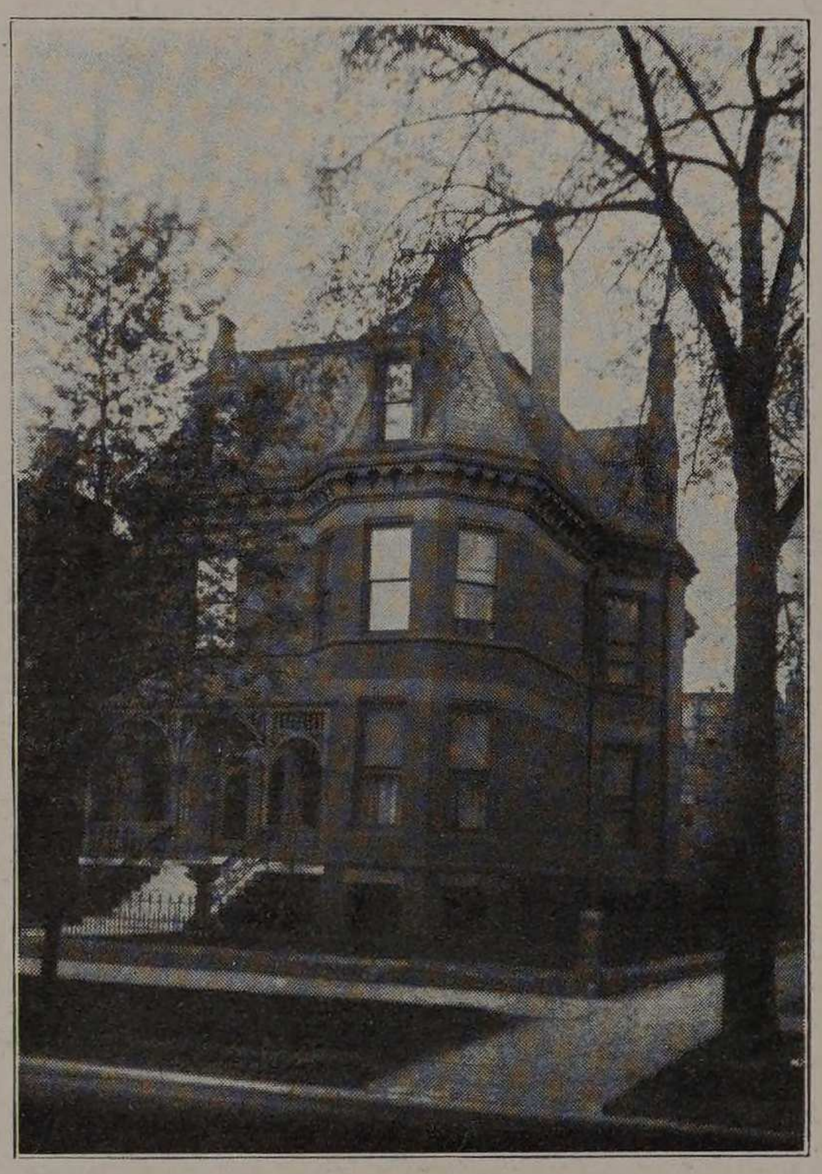
Freshman

WALTER THOMAS BELL
RUFUS SAMUEL CLAAR
RONALD B. CLARK
PAUL VERE FRARY
HARRY KENNELL STURTZ
AUSTIN GODDARD WHITE

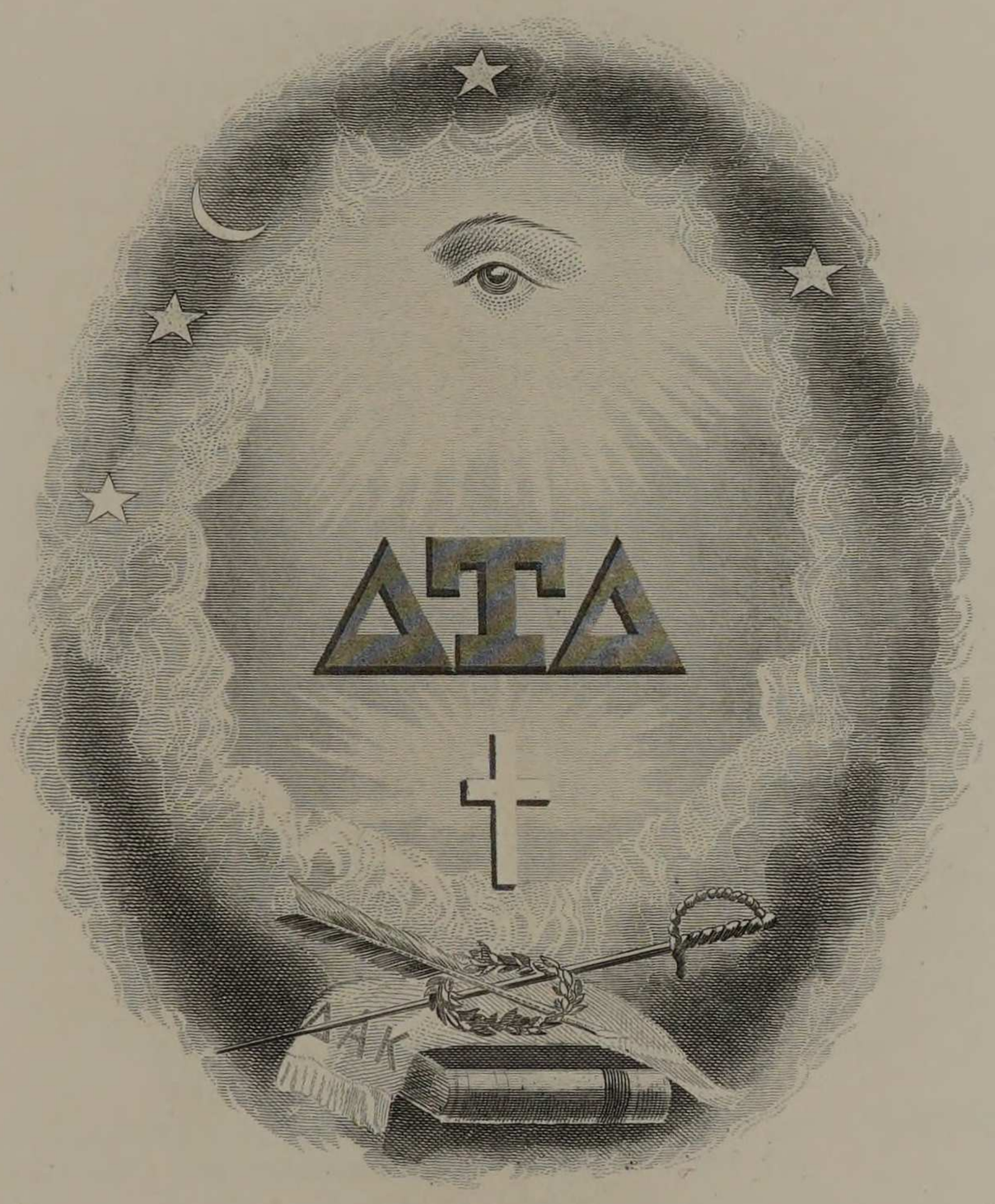
Phi Kappa Sigma—Alpha Epsilon Chapter—1909



MC KARAHAN SHEDD WALBRIDGE RIKER JENS BOLTE ROGERS
AURELIUS HARVEY SMITH WIARD BUCK PINKERTON CLARK
CRAWFORD LAWRENCE BELL FRARY STURTZ CLAAR



PHI KAPPA SIGMA CHAPTER HOUSE



Dreka, Phila.

Delta Tau Delta Chapter Roll

SOUTHERN DIVISION.

Lambda—1881	Vanderbilt University
Pi—1848	University of Mississippi
Phi—1896	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	Columbian University
Gamma Iota—1903	University of Texas

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—1894	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

NORTHERN DIVISION.

Beta—1862	Ohio University
Delta—1874	University of Michigan
Epsilon—1876	Albion College
Zeta—1882	Adelbert College
Kappa—1867	Hillsdale College
Mu—1866	Ohio Wesleyan University
Chi—1881	Kenyon College
Beta Alpha—1887	Indiana University
Beta Zeta—1871	Indianapolis University
Beta Beta—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

EASTERN DIVISION.

Alpha—1863	Allegheny College.
Gamma—1861	Washington and Jefferson College
Nu—1906	Lafayette College
Rho—1874	Stevens Institute of Technology
Upsilon—1879	Renssellaer 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

Delta Tau Delta

Gamma Beta Chapter

Founded May 10, 1901

Seniors

EARL WILLIAM CHAMBERLIN
DONALD DOUGLAS DICK
FREDERICK ARTHUR NIESTADT
CURTIS MORGAN LINDSAY
HENRY CHARLES FRISBIE

Juniors

HERBERT WILLIAM MARTIN
EUSTACE VYNNE
ROBERT WINCHESTER HALL
EVERETT WILLIS HOTCHKIN
GEORGE CLYDE BRISTOL
ROSWELL PHELPS PEARCE
JOSEPH CARL REYNOLDS

Sophomores

HAROLD OSCAR FOSTER
PHILIP FRANCIS MILLER
CHARLES WILFORD HILLS, JR.
THANE GRIFFITH CLEAVER
WALTER McAVOY
LUTHER BARDINE MacEWING
LEROY DAVID KILEY
PHILIP GEORGE ODGERS

Freshmen

HAROLD CHARLES ALEXANDER
MILBURN MOORE
WILLIAM DANE HOOPER
HENRY ANDREWS BABCOCK
PERCY WILSON EVANS
REGINALD BARBINSON MESNY
HARRY OLIVER LAWSON
MARION JOHN GRAY
JOHN DRUMMOND GALBRAITH
HUGH SOWARDS

DELTA TAU DELTA—GAMMA BETA CHAPTER
1909



MESNY MILLER GREY MC AVOY CLEAVER ALEXANDER EVANS
LAWSON CORNING FOSTER HOTCHKIN HILLS HALL PEARCE BRISTOL
MC EWING VYNNE CHAMBERLIN DICK FRISBIE NIESTADT LINDSAY MARTIN
GALBRAITH REYNOLDS BABCOCK ODGERS KILEY MOORE HOOPER


FOUNDED AT LEHIGH UNIVERSITY
1885

Tau Beta Pi

Chapter Roll

Alpha of Pennsylvania—1885	Lehigh University
Alpha of Michigan—1892	Michigan Agricultural College
Alpha of Indiana—1893	Purdue University
Alpha of New Jersey—1896	Stevens Institute of Technology
Alpha of Illinois—1897	University of Illinois
Alpha of Wisconsin—1899	University of Wisconsin
Alpha of Ohio—1900	Case School of Applied Sciences
Alpha of Kentucky—1902	Kentucky State College
Alpha of New York—1902	Columbia University
Alpha of Missouri—1902	University of Missouri
Beta of Michigan—1904	Michigan College of Mines
Alpha of Colorado—1905	Colorado School of Mines
Beta of Colorado—1905	University of Colorado
Beta of Illinois—1906	Armour Institute of Technology
Beta of New York—1905	Syracuse University
Gamma of Michigan—1906	University of Michigan
Beta of Missouri—1906	Missouri School of Mines
Alpha of California—1907	University of California
Alpha of Iowa—1907	Iowa State College
Gamma of New York—1908	Rensselaer Polytechnic Institute
Beta of Iowa—1908	University of Iowa



Tau Beta Pi

Beta Chapter of Illinois

Founded April 6, 1906

Seniors

H. E. Beckman
A. C. Buckett
M. Dawson
H. G. Dekker
P. G. Downton
J. L. Dunham
A. A. Ebert
T. C. Ford
G. A. Grassby, Jr.
A. G. Hall
K. Heim
C. H. Jones
C. M. Lindsay
E. W. McMullen
I. C. Peterson
H Rose
M. C. Shedd
T. C. Simpson
A. P. Strong
H. W. Youngberg

Juniors

C. C. Bailey
F. E. Barrows
H. W. Carlson
T. E. Gentry
W. H. Howenstein
J. D. Livermore
W. J. Neville
M. A. Smith
F. R. Squair
F. E. Wernick

Honorary Members

H. M. Raymond
H. C. Coffeen
B. J. Arnold

Faculty Members

R. V. Perry, '97
E. S. Libby, '02
E. H. Freeman, '02
D. P. Moreton, '06
F. G. Heuchling, '07
H. L. Nachman, '02
J. C. Peebles, '05
M. B. Wells
A. J. Willis



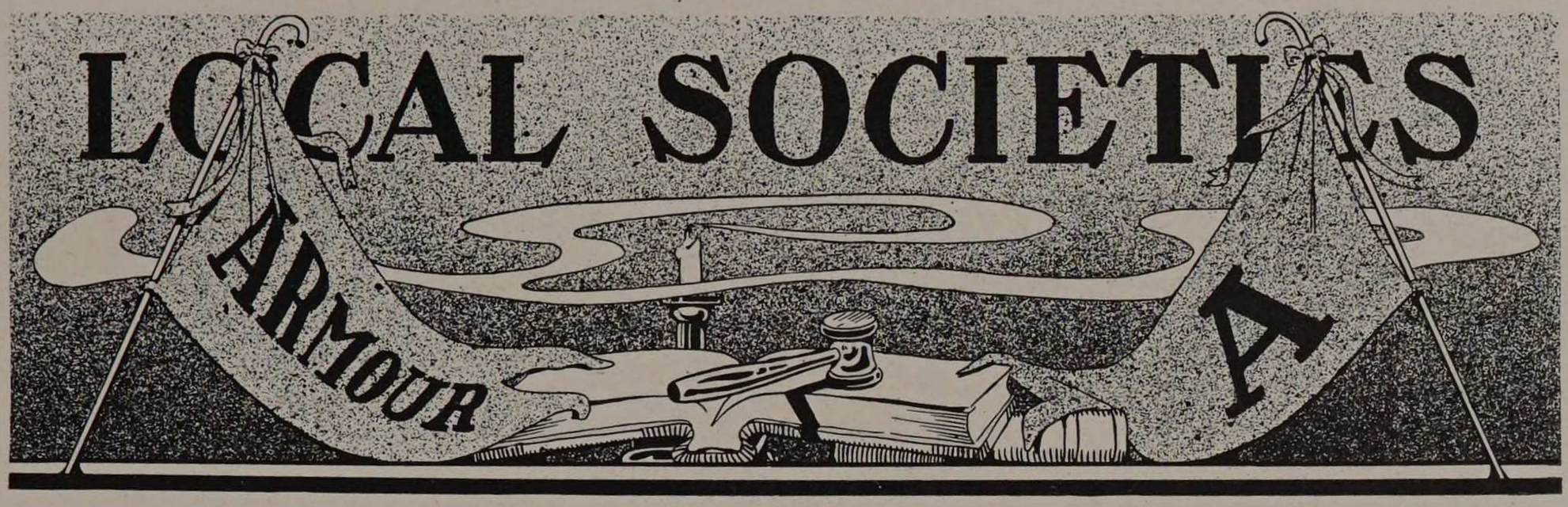
Smith Youngberg Johnson Downton Gentry Squair Hall
Shedd Barrows Bailey Neville Ebert Carlson Howenstein Heim
Grassby Ford Lindsay Dekker Jones Dunham Strong Buckett Peterson
Moreton Freeman Libby Nachman Raymond Perry Heuchling Peebles
Dawson Beckman Simpson McMullen Rose Wernick Livermore



Tau Beta Pi Chapter Rooms



J. T. Coates, '12	Kappa Sigma	University of Nebraska
Ralph C. Harris, '11	Kappa Sigma	University of Illinois
G. G. Parry, '09	Kappa Alpha	William Jewell College
O. L. Richards, '10	Phi Delta Theta	University of Chicago
Edward P. Roleson, '11	Kappa Sigma	University of Arkansas
Tracy W. Simpson, '09	Delta Kappa Epsilon	University of Chicago
William E. Thomas, '10	Phi Delta Theta	University of Chicago



RADICAL X

SPHINX

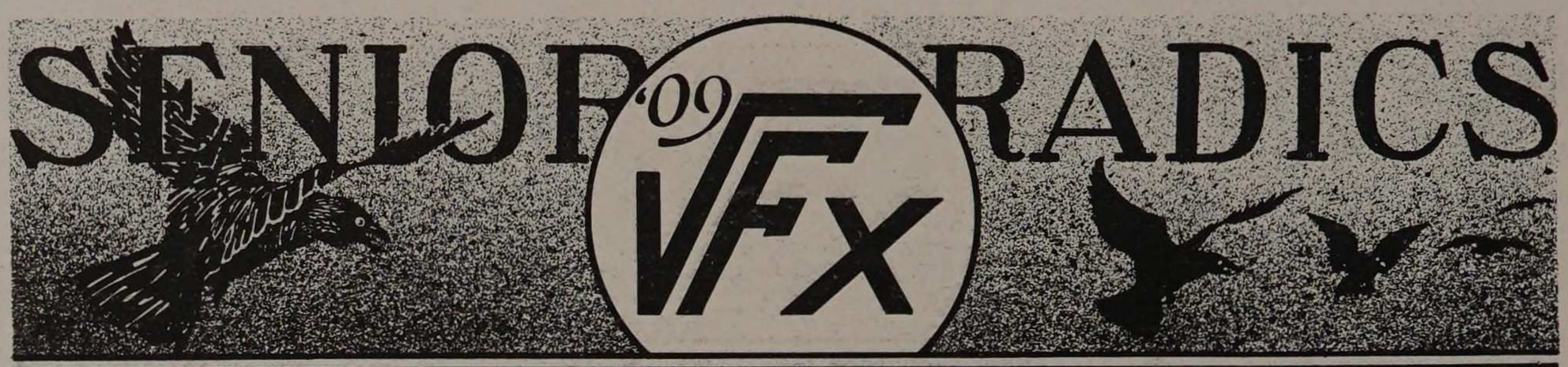
FACULTY CLUB

CHAPIN CLUB

CAMERA CLUB

TAFT CLUB

UNIFIED ORDER OF IRONY



IN COLLEGE

J. F. Ahern
S. J. Aurelius
E. W. Chamberlin
Donald D. Dick
H. C. Frisbie
J. S. Harvey, Jr.
C. M. Lindsay
E. V. McKarahan
F. A. Niestadt
M. C. Shedd
T. W. Simpson
H. C. Smith
W. H. Wiard

OUT OF COLLEGE

W. H. Edwards
A. M. Ellet
A. W. Fisher
F. J. Hughes
E. D. Nelson
W. L. Fry
E. F. Miller
R. M. Newman
R. M. Overstreet
R. D. Wilder

The purpose of the Radical X at the time of its inception was the same as its purpose of the present day—the promotion of good fellowship and, in general, the betterment of college life at Armour. The members of the society are elected by the junior and senior members from a list of freshmen prepared by the Sophomore Radics. Twelve men are so selected about the middle of every school year. These choose another man, who completes the society. When a member leaves school another good man is chosen to fill his place, so that the membership is kept at about fifty men at all times.

Nine Radics completed the Senior squad at the beginning of the present year, Miller having gone to Illinois "U.," "Spike" Ellet West, and Nelson and Fisher into business. At an early election these vacancies were filled by Chamberlin, "Hal" Smith, Simpson and Ahern, this thirteen remaining intact through the year.

The Senior band of "gayboys" officiated at the Fall initiation of Freshmen, directing the tortures and occasionally supplying power for the paddles. This initiation was the first one of its kind held by the Radics, and proved so popular that it has become a set fixture of the organization.

The banquet that was held at the Boston Oyster House was the great stunt of the year, excepting, of course, the dance. The Alumni were out in force, and performed in the manner which has made these banquets famous. The dance, the event supreme, was held at Shotwell Hall, April 23rd.

SENIOR RADICS



H. C. SMITH



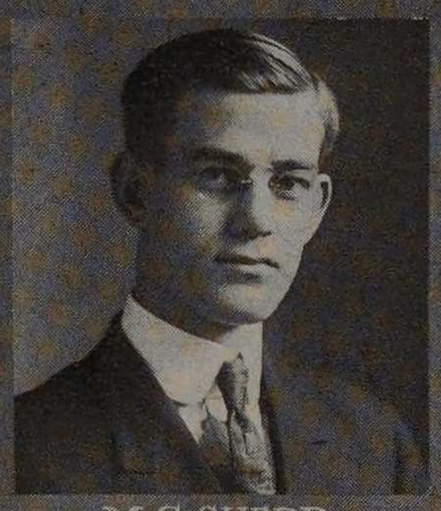
W. H. WIARD



H. C. FRISBIE



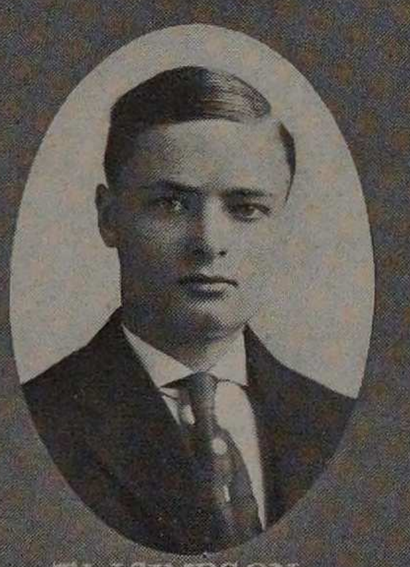
E. V. McKARAHAN



M. C. SHEDD



E. W. CHAMBERLAIN



T. W. SIMPSON



J. S. HARVEY



D. D. DICK



J. S. NIESTADT



S. J. AURELIUS



J. F. AHERN



C. M. LINDSAY



IN COLLEGE

C. C. Bailey
E. E. Bolte
W. C. Bruce
G. W. Buck
W. G. Jens
F. J. Munoz
R. P. Pearce
J. C. Reynolds
O. L. Richards
H. J. Rogers
Ray Tobias
W. E. Thomas
Eustace Vynne

OUT OF COLLEGE

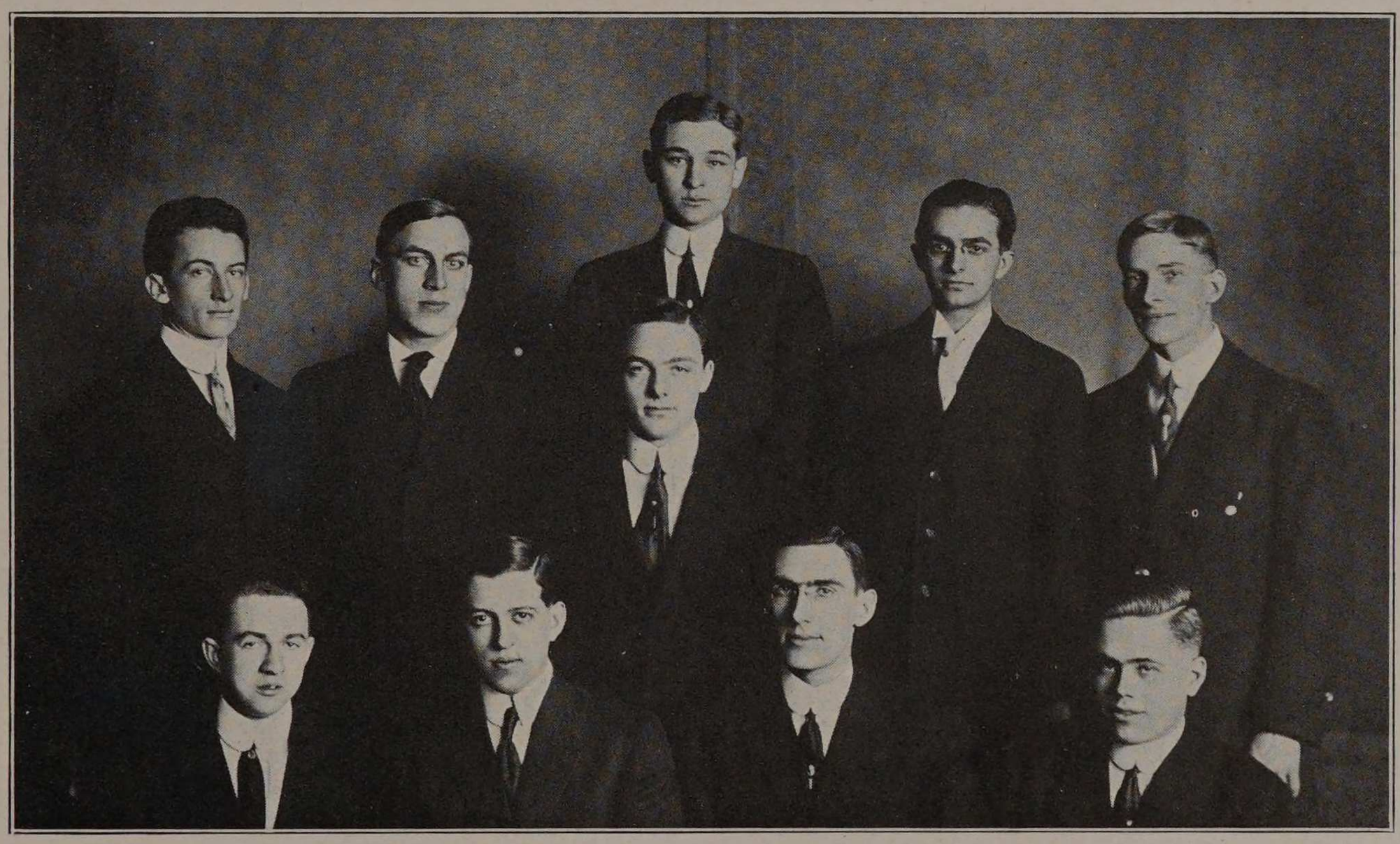
L. B. Bunge
S. L. Chesley
Frank Fuller, Jr.
E. L. Goodspeed
H. R. Hough
C. Kirkpatrick
A. R. Meeks
H. J. Moore
F. Sweet
J. B. Noble
C. M. Whitmore

We found at the beginning of the year that four of our good fellows had failed to come back. Later, one more left us, but the number was readily filled up, as there was no trouble in finding good fellows in the "Ten" class. The new ones consisted of Bailey, Bolte, Munoz, Pearce and Tobias.

At the Freshman Banquet the Juniors were well represented, and they are taking active interest in the dance to be given, showing that they have the true spirit and are willing to help push all things that the Radics undertake.

Owing to the fact that so few of our number live here, it has been impossible for us to visit each one in turn, but we hope to have many good times together, taking in plays and having small feeds.

Junior Radics



REYNOLDS

BAILEY JENS BOLTE ROGERS

RICHARDS

PEARCE BUCK THOMAS TOBIAS



IN COLLEGE

O. S. Burke
T. G. Cleaver
E. H. Crawford
C. W. Hills, Jr.
C. H. Cooper
R. J. Geisler
H. W. Jones
L. D. Kiley
G. W. Lawrence
P. Miller
C. J. da Silva
R. Strawbridge

OUT OF COLLEGE

R. W. Corning
A. W. Buckingham
E. G. O'Brien
G. Vigeant, Jr.
H. O. Foster
G. H. Struble
S. E. Austin
R. B. Howard

At the opening of the present school year six of the 1911 Radics, chosen last year. were replaced by new members owing to the fact that the missing six of the old guard had deserted the battlefield of thought at Thirty-third and the Tracks, to pursue the nimble nickel. The vacancies were filled by an election and the new men given an appropriate initiation and imbued with true Radic Spirit at the Smoker held at the Phi Kappa Sigma House in the early fall. We were sorry to lose the old men, but wish and anticipate for them prosperity in their respective fields of work. The enthusiasm of the bunch still maintains the high standards established at the outset, and the present thirteen have yet to receive or cast their first dissenting vote when it comes to doing things for Old Armour. We love our Alma Mater, but, Oh, you 1911 Radics!

Last year the upper classmen predicted that our Radic spirit would diminish with our advance in school. This second year, we believe, shows no such indications, and we hope to be the ones to show that the old, prevailing rule no longer holds.

For two years we've tried to stand for everything directly or indirectly involving the welfare of Armour Tech., and hope during the next two that increasing experience will add effectiveness to our efforts.

Sophomore Radics



DA SILVA MILLER JONES GEISLER CLEAVER

KILEY

LAURENCE BURKE COOPER



M. Anderson
H. A. Babcock
W. L. Bell
P. A. Caswell
R. C. Chesnut
R. S. Claar
R. B. Clark
R. S. Drew
P. V. Frary
W. G. Grassby
W. D. Hooper
E. C. King
H. K. Sturtz

About the middle of November the Radics of the Junior and Senior Classes held an election, and chose twelve Freshmen to uphold the name of the society of 1912. At the first meeting these twelve elected a thirteenth member, to complete their number. The initiation banquet was looked forward to with much anticipation, and at this function the most enjoyable time of their short college life was enjoyed. The old Radics certainly made them feel as though they really were at Armour to enjoy things, and by the way the Freshmen went after the "feed" it was evident that they thought so, too.

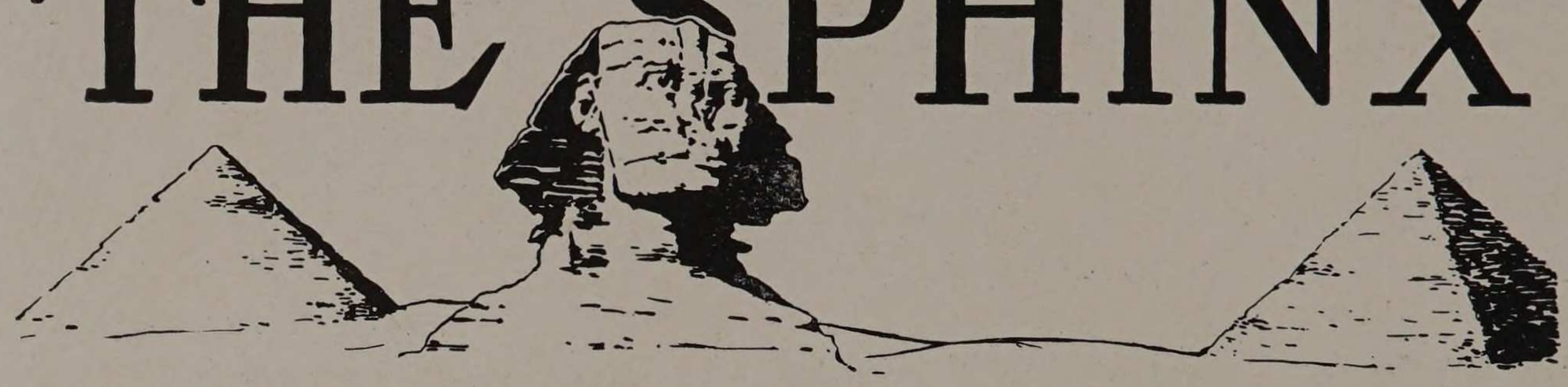
When the Radic dance was suggested the Freshmen were not found wanting, but did their share in making it one of the best social affairs of the year at Armour.

Freshman Radics



BABCOCK ANDERSON CLARK HOOPER
GRASSBY CLAAR DREW STURTZ CHESNUT
CASWELL BELL KING FRARY

THE SPHINX



President, JAMES S. HARVEY, JR.

Secretary and Treasurer, EDWIN H. STILLMAN

MEMBERS IN COLLEGE

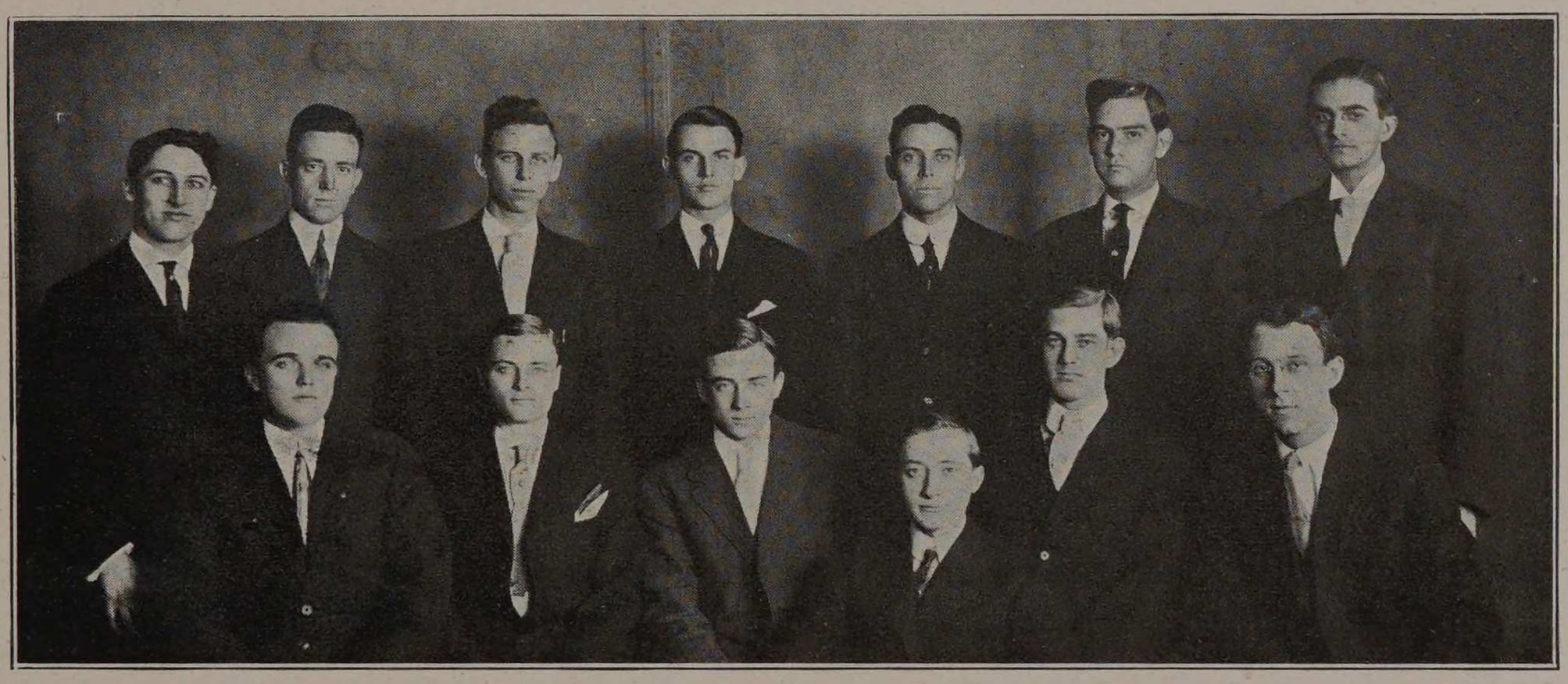
MILTON C. SHEDD	E. ENDICOTT BOLTE	M. A. SMITH
E. V. MCKARAHAN	T. W. SIMPSON	O. L. RICHARDS
GEO. A. GRASSBY	JESSE I. MENKIN	F. E. WERNICK
E. D. MAC EWING	RALPH A. WALTHER	SAM'L W. MCCUNE, JR.
DONALD D. DICK	C. W. HILLS, JR.	

The Sphinx is to the student publications what the Board of Control is to athletics. It is a supervising body which has formulated rules for the editing, publication, and maintenance of the Fulcrum, Integral, and Engineer.

Membership in the Sphinx is obtained by reason of active service on one of the school papers. All executive heads of the school publications are members ex-officio and at the annual banquet anyone who has worked faithfully and who in the opinion of the organization is a fit person to become a member, is elected into the body, provided, however, that the number of elected members never exceeds half of the total membership.

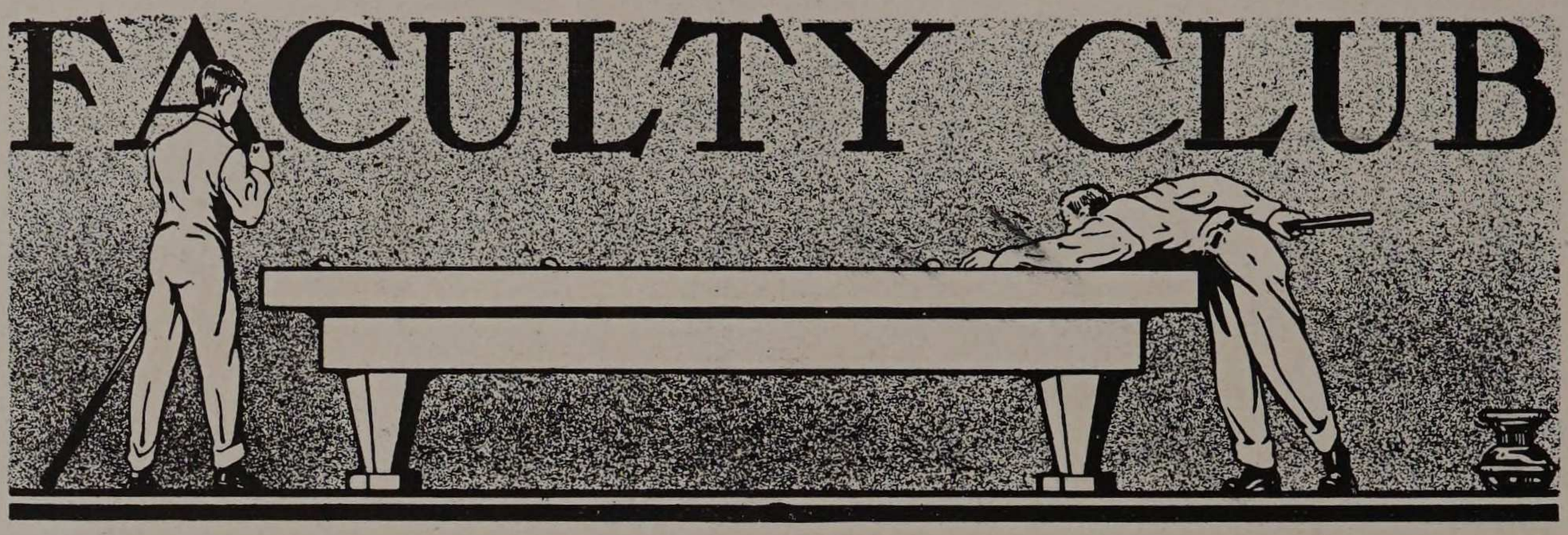
The organization has done much to better the school publications and is in a large measure responsible for the launching of the Armour Engineer last fall. While the Sphinx is a purely local society which furthers local interest alone, the Integral thinks that there is room for a national organization of such societies in the colleges of America. A union of this kind would, in the exchange of ideas between the heads of college papers, result in betterment not only of the matter in student publications but of their finances and needs of publication as well.


A I T



Walther Ahern MacEwing Grassby McKarahan Dick Bolte
Hills Simpson Harvey Stillman Shedd Smith

FACULTY CLUB



OFFICERS

1908

President, H. C. Coffeen

Vice-President, R. Burnham

Secretary, G. M. Wilcox

Treasurer, R. V. Perry

1909

President, B. B. Freud

1st Vice-President, A. A. Knowlton

2nd Vice-President, C. W. Leigh

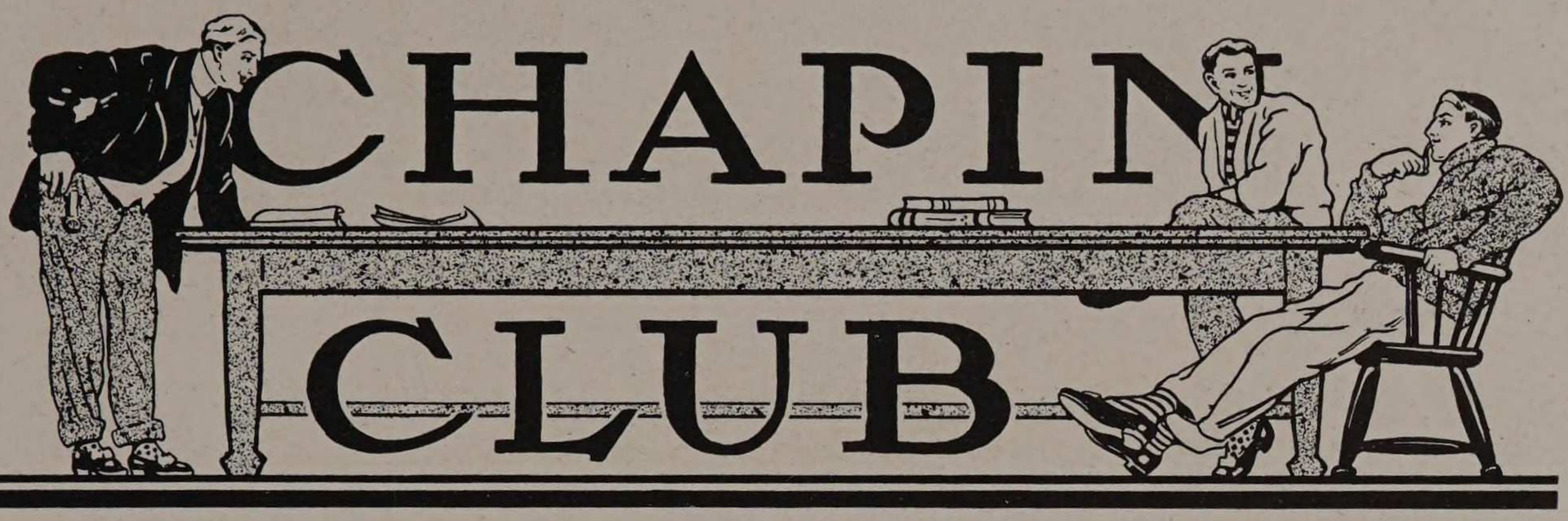
Secretary, C. A. Tibbals

Treasurer, R. V. Perry

The Faculty Club rooms are in the basement of the Mission building and contain rooms for lounging, reading, billiards, chess, checkers, etc. All of the faculty are members of the Club and the rooms furnish a pleasant place for relaxation.

Early in the year a smoker was held (pipes and tobacco being furnished), during which the new members of the faculty were welcomed into the Club. Dr. Gunsaulus made the welcoming address.

The Club is essentially one for recreation for the faculty, between classes and at odd moments. At various times, however, during the school year socials, musicals, ladies' night, etc., are given. It is rumored that a large billiard tournament was held and that a prominent gentleman, well known around the Institute, was presented with a leather medal for making "more scratches per second" than any man in the Tech.



Simeon B. Chapin Club is now in its second year, and, judging from the good it has done, and the number of students who daily enjoy its privileges, it has become the center of student life at Armour.

CHAPIN CLUB OFFICERS



M. J. CASEY
SECRETARY



T. E. RICHARDS
PRESIDENT



W. A. KELLNER
VICE-PRES.



R. W. SPINDLER
LIBRARIAN

Members of the club seem to get a broader view of life than the students who grind and labor over mathematics and sciences, with time for nothing but this proof or that derivation. It seems that the heavy, smoke-laden air of Chapin Club is a breeder of good fellowship and college spirit. It is indeed a privilege to

be permitted to rest here, with one's favorite pipe, for a few minutes between classes. Equipped as it is with all the latest magazines and plenty of comfortable chairs, Chapin Club is at once not only a place for a smoke, but also a place in which to make many valuable friendships.

Membership in the organization is restricted to college students. The club is governed by its officers, who are elected by the members, and a "house committee" which is appointed by the officers.

It is to be hoped that the appointments of the club will be so increased that in time it may occupy the whole third floor, or it is even possible that Chapin Hall will eventually house Chapin Club alone.



Armour Institute Taft Club

Almost at the close of the presidential campaign of 1908 some of the overflowing enthusiasm reached Armour Institute, and the Taft Club was organized. At the first meeting three officers were elected, various things were discussed, and the club adjourned "sine die." Its treasury never contained a cent—its secretary has taken no minutes, yet the members feel that they all helped Taft to gain the required votes to place him in the White House.

President Sturtevant and Organizer Stillman took a poll of the Institute and discovered at least three adherents of the "Boy Orator of the Platte." Only two of them were of age, however. The Club was a member of the National College League of Taft Clubs, and contained the following officers and members:

OFFICERS

President	R. W. Sturtevant
Treasurer	M. A. Smith
Secretary	R. A. Walther

MEMBERS

Anderson, '10
Baughman, '10
Bexton, '09
Boughton, '09
Buck, '10
Crane, '09
Eliel, '10
Geisler, '11
Gentry, '10
Glick, '10
Hand, '10
Hatman, '10
Jens, '10
Kimball, '10
McMullen, '09
Peterson, '09
Stillman, '09
D. Williams, '10
Zanzig, '09

NEBRASKA CLUB

The Nebraska Club was organized in 1906. Several smokers and two banquets have been the social events of the past year. The banquet held February 5, 1909, at the Boston Oyster House, was a great success and the members are anticipating as good a time at the annual banquet to be held some time in May.

MEMBERS

E. M. PINKERTON, *President*	Hastings	G. V. Green	Amherst
G. F. CUMMINGS, *Secretary*	Omaha	J. G. Coates	Gordon
A. C. RIKER, *Vice-President*	Blair	L. M. Bexton	Omaha
H. M. Parsons	Omaha	H. C. Bremers, Jr.	Fremont
H. P. Langstaff	Blair	R. R. Ross	Blair
R. S. Claar	Blair	E. O. Wiederanders	Gothenberg
R. R. Zack	Columbus	O. F. Abrahamson	Holdrege

In Memoriam

THE WISCONSIN CLUB OF ARMOUR INSTITUTE OF TECHNOLOGY.

Born: November 13, 1908.
Died: December 13, 1908.

It came into our midst on the unlucky Friday, and left one month later.
Its memory will long remain cherished in the hearts of the Badgerites.

OFFICERS:

President: Walter W. Drew;
Secretary: Harvey W. Jones.

MEMBERS:

Bentley, Percy D.....La Crosse
Bjorge, Thomas.....Whitehall
Booth, Herbert.....Milwaukee
Buck, Glenn W.....Shopiere
Burke, Osbert S.....Portage
Drew, Walter W.....Tomah
Egloff, Frank T.....Milwaukee
Hatman, Julius G.....Milwaukee
Hazen, Fred G.....Rib Lake
Jones, Harvey W.....Marinette
Kimball, Norman F.....Oshkosh
Lawson, Harry O.....Oshkosh
Livermore, Joseph D.....Madison
Peters, William H.....West Bend
Rogers, Harry J.....Beloit
Schutz, S. J.....Shawano
Waldo, Alfred T.....Columbus
Wernick, Frank E.....Hillsboro
Whitmore, Chadbourne.....Superior
Whitmore, Ray.....Milwaukee
Zanzig, Frank.....Milwaukee
Zeisler, Louis.....La Crosse

Unified Order of Irony

Dreaded Chief Stinger.....“Doc. Campbell”
Assistant Chief Stinger.....Dr. Campbell
Stinger.....Prof. Campbell

Pledge
Donald Francis Campbell

It is extremely difficult to trace the origin of this important aggregation of kindred thinkers; but it is safe to say that while eligibles to the honors of the Order have existed as far back as man's memory goes, the present body was born within the walls of Armour Institute.

Owing to misplaced records it has been very difficult for our reporter to fix the birthplace of the Order, but it has been traced with almost certain surety to room “D” on the fourth floor of the main building.

The Order seems to have grown up around “Doc” Campbell without his knowing it. The early meetings were attended by a few amateur sarcastic lights such as Wells, “the gentleman from Indiana,” Guy Wilcox, “Pa” Phillips, Leigh, Perry, etc. Early in the history of the organization “Doc” Campbell was made Chief Stinger for life, with powers of immediate dismissal over any one who could not, at most, be half as sarcastic as his chief. Wells, with his dry quips and quiet irony, stayed in for quite a while, but could not hold the pace of either Phillips or the “Doctor,” and was dropped to the rank of pledge early in the present school year. “Pa” Phillips and Leigh in vain tried to keep up with the “Doc's” flow of back hand praise and “got theirs” about Thanksgiving time. Quite a brace was shown in the Club's meetings when Vic Cole was admitted to membership, but even Vic went the way of the other seekers for glory on Campbell's throne. Wilcox was next to go after a valiant fight to keep his head above water.

At the present writing the membership seems to consist of the Chief Stinger alone, all the other offices are clamoring for occupants, and with a rather thin stock of pledges to draw from it seems doubtful that they will ever be filled. Much expectations were aroused by Roleson, the worthy Soph, who kept the Chief Stinger at bay for a day at least; but his supply of biting wit went the way of the others and he, too, was reduced to the ranks.

The society has little fear of disbanding, however, as long as the “Doc” remains at the Institute. He alone is sufficient to run, manage and be sole member of a dozen such organizations.

As we go to press we hear that all aspirants to the honors of the Society have withdrawn, leaving the Scotch wielder of cosines and radicals sole officer, member, and pledge of this magnificent Order.

Royal Order of Omega Vaselines

ALPHA CHAPTER: ARMOUR INSTITUTE

BETA CHAPTER: ARMOUR TECH.

DELTA CHAPTER: A. I. T.

PURPOSE:

Social relaxation and scientific research of the bar.

OFFICERS:

COURIER PLENIPOTENTIARY AND BOX-OFFICER JOLLIER EXTRAORDINARY,
GEORGE DUDLEY LETTERMAN.

CUSTODIAN OF THE KEG AND BAILIFF OF THE BOTTLE,
WILLIAM JAMES DEVENEY.

SIR KNIGHT OF THE POP BOTTLE,
JACK LEROY LESSEL.

SUPERVISOR-GENERAL OF THE SAFE RETURN HOME,
NORMAN FRANK KIMBALL.

LIST OF MEMBERS:

GEORGE D. LETTERMAN
JACK L. LESSEL
NORMAN F. KIMBALL.
WILLIAM J. DEVENEY

HONORARY MEMBERS:

Anyone with the ready cash or the price.

MOTTO:

'Twas hustle made them famous.

BY-LAWS:

Buy early and often.

GRIP:

Any old grip, but La Grippe.

COLORS:

Claret and Amber.

The Camera Club

The value of a knowledge of photography to an engineer is so apparent that one can hardly account for the lack of interest taken in the Camera Club. It seems to the Integral that the students of The Institute are missing an excellent chance to obtain a working knowledge of picture-making for an extremely cheap expenditure. It is indeed regrettable that a stronger organization is not possible, when the club has such excellent facilities for photographic endeavor.

The annual exhibition of the club shows that some, at least, of the students take an interest in photography. The pictures in these expositions show a technical skill and a knowledge of composition and chiaroscuro that is worthy of better things.

Membership in the organization is open to anyone in the Institute on the payment of a small initiation fee and nominal dues. The following is a list of the officers and members for the current year:

President W. S. Oberfelder
Vice-President A. L. Varges
Secretary B. T. Olson
Treasurer J. J. Daly

MEMBERS.

J. Bolotin	M. A. Smith	B. T. Olson
Frank Mayes	W. W. Meyer	J. J. Daly
B. B. Freud	A. L. Varges	G. G. Parry, Jr.
	W. S. Oberfelder	



OFFICERS

H. E. Beckman. President
R. W. Johnston, *Vice-President*
I. Peterson, *Recording Secretary*
M. Dawson, *Corresponding Secretary*
R. A. Walther, *Treasurer*

Armour Institute Civil Engineering Society

The Armour Civil Engineering Society is, perhaps, on the most stable basis of all the student engineering societies at the Institute. It has a large membership. Its meetings are well attended, and a social spirit exists in the organization which it would be well for the similar bodies of the Institute to strive for.

The active membership is drawn from the Senior and Junior classes of the Civil Engineering Department; Alumni comprising the "Senior members." The Society also has a number of honorary members who are actively engaged in the engineering profession.

Meetings are held on the second and fourth Tuesdays of each month during the college year. At these meetings the society generally listens to a paper by some eminent engineer. Occasionally this programme is varied and a "Ladies' Night" or a "Smoker" is held, the annual Smoker bringing out the full membership of the society and the professors of the Civil Engineering Department. The Smoker this year was exceptionally well attended and remarkable for the good fellowship which was exhibited by students and instructors.

This year the organization has listened to some very able papers, all of which were well illustrated and much appreciated. The spring programme speaks well for a successful closing of the year's work.

MEMBERS

H. E. Anderson	W. A. Kellner	A. G. Anderson	R. S. Kloman
H. Beckman	J. R. Lessel	G. W. Buck	G. D. Letterman
E. Chamberlin	F. J. Munoz	V. Cole	R. P. Pearce
M. Dawson	I. C. Peterson	W. J. Deveney	J. C. Reynolds
D. D. Dick	T. E. Richards	A. A. Ebert	H. W. Schlinz
C. A. Ecklund	G. A. Shafer	R. L. Eliel	F. L. Sleeper
G. H. Emin	M. A. Smith	H. C. Frisbie	R. W. Sturtevant
H. C. Hand	F. J. Urson	K. Harger	R. A. Walther
W. G. Jens	H. W. Youngberg	R. W. Johnson	D. Williams
		W. A. Stevens	

HONORARY MEMBERS

A. E. Phillips	H. J. Armstrong	V. S Persons
M. B. Wells	A. J. Willis	Ray Crow

Meetings of the Civil Society

October 20th, 1908. Construction of the Halsted Street Bridge. By J. C. Penn.
November 17th, 1908. Reinforced Concrete Building Construction. By E. McCullough.
December 1st, 1908. New Car Barns and Shops of the Chicago Railways Co. By E. H. Hiller.
December 15th, 1908. The Chicago Water Works. By R. S. Spaulding.
January 12th, 1909. Sewage Purification Plants. By W. S. Shields.
March 2d, 1909. Practical Features of Water Pipe Laying. H. S. Baker; R. S. Spaulding, Bureau of Engineering, City of Chicago.
March 12th, 1909. Smoker. To Members of the Society.
March 16th, 1909. Practical Hints for Young Engineers. H. W. Clausen, '04, Bureau of Engineering, City of Chicago.
March 30th, 1909. Chicago, Burlington & Quincy Track Elevation in Chicago. G. E. Tebbets, Office Engineer, Bridge Dept., C., B. & Q. Ry. Co. (Mr. Tebbets was assisted by G. A. Haggander, '07.)
April 20th, 1909. Municipal Engineering. A. E. Phillips, C. E., Professor of Civil Engineering, Armour Institute.
May 4th, 1909. The Selling and the Building of Bridges. M. B. Wells, C. E., Associate Professor Bridge Engineering, Armour Institute.

ALPHABETICAL KEY TO CIVIL SOCIETY PICTURE

32.	Anderson	31.	Emin	7.	Pearce
1.	Beckman	25.	Frisbie	13.	Peterson
10.	Buck	22.	Harger	2.	Reynolds
18.	Cole	9.	Johnson	21.	Richards
19.	Chamberlin	16.	Kellner	20.	Schlinz
26.	Dawson	6.	Kloman	17.	Smith
29.	Deveney	8.	Lessel	12.	Stevens
5.	Dick	4.	Letterman	3.	Tobias
14.	Ebert	27.	Muñoz	24.	Vynne
15.	Eckert	30.	Niestadt	23.	Walther
11.	Ecklund	28.	Olson		

KEY TO CIVIL SOCIETY PICTURE BY NUMBER

1.	Beckman	12.	Stevens	23.	Walther
2.	Reynolds	13.	Peterson	24.	Vynne
3.	Tobias	14.	Ebert	25.	Frisbie
4.	Letterman	15.	Eckert	26.	Dawson
5.	Dick	16.	Kellner	27.	Munoz
6.	Kloman	17.	Smith	28.	Olson
7.	Pearce	18.	Cole	29.	Deveney
8.	Lessel	19.	Chamberlin	30.	Niestadt
9.	Johnson	20.	Schlinz	31.	Emin
10.	Buck	21.	Richards	32.	Anderson
11.	Ecklund	22.	Harger		

CIVIL ENGINEERING SOCIETY '08 '09

ARMOUR INSTITUTE OF TECHNOLOGY

1 2 3 4 5 6

7 8 9 10 11 12 13

14 15 16 17 18 19

20 21 22 23 24 25

26 27 28 29 30 31 32

PHOTO BY JAMES J. JOHNSON CHICAGO



Officers of the Senior Mechanical Society

W. J. Boughton, *President*

M. C. Shedd, *Secretary*

H. G. Dekker, *Treasurer*

MEMBERS.

S. J. Aurelius
W. J. Boughton
W. F. Conlin
H. G. Dekker
R. T. Evans
G. A. Grassby
A. G. Hall
J. S. Harvey, Jr.
J. I. Menkin
B. F. McAuley
G. G. Parry, Jr.
M. C. Shedd
J. L. Spitzglass
E. H. Stillman
I. N. Baughman
A. L. Bergbom
E. E. Bolte
A. A. Byers
H. W. Carlson
A. H. Crocker
J. J. Daly
P. E. Henwood
J. G. Hatman
R. J. Hoffman
R. A. Leavell
A. W. Lohse
R. Hall
Wm. Schmidt
W. E. Thomas
F. E. Wernick
D. Young

The Senior Mechanical Society
1909



Hoffman Stillman Evans McAuley Thomas Parry Conlin Holmes Carlson Grenoble
Spitzglass Wernick Menkin
Leavell Aurelius Hatman Bergbom Mayes Young Grassby
Harvey Dekker Boughton Shedd Hall Baughman

The Senior Mechanical Society

Of the engineering societies at Armour, one of the most flourishing is the Senior Mechanical Society. As its name implies, it is composed of the Senior mechanicals, and in addition the Junior mechanicals who have completed their Sophomore work at the end of the first semester are eligible to membership. The latter provision is the means by which the society is perpetuated. Associate membership is provided for Junior mechanicals during the first semester, and those who are not up to date in their Sophomore studies after that time.

Since the year 1905, when it was organized, the Senior Mechanical Society has had an ambition to secure a student membership in the American Society of Mechanical Engineers. It remained but an ambition until the class of '09 took hold of matters, and made application for the desired membership a few weeks ago. At the time of going to press nothing has been heard of the action of the American Society of Mechanical Engineers on the application, but it is hourly expected that word will reach us that the society is now a member of the above-named organization. Besides this, it is also the object of the society to maintain an organization of the mechanical engineering students, for the purpose of studying subjects of mechanical engineering interest which are not taken up directly in the class rooms. A glance at the next page will show the wide range of subjects discussed during the year.

The society has very well fulfilled its purposes in the school during its existence, and it is now a permanent feature of the Institute. It remains, however, for the mechanical engineering students of coming years to continue the work with the same snap and vigor that previous classes have shown.

List of Meetings of the Senior Mechanical Society

Oct.	13.	Development of the Motorcycle	G. A. Grassby
Nov.	10.	Power Plant Accounting	A. Johnson
Nov.	24.	Modern Gas Production	J. L. Spitzglass
Dec.	8.	High Compression in Gas Engines	H. W. Jones
Jan.	12.	Superheated Steam	Max Toltz
Feb.	9.	The White Steamer	R. T. Evans
Feb.	23.	The Future of the Hot Air Engine	A. G. Hall
March	9.	Four-Cylinder Auto Engine	H. A. Dekker
March	23.	A Modern Power Plant	J. S. Harvey
April	13.	High-Pressure Elevators	W. L. Jackson
April	27.	Dynamometer for Drop Test Machine	M. C. Shedd



OFFICERS A. I. E. E. (ARMOUR BRANCH).

PROF. J. E. SNOW, Local Secretary.
T. W. SIMPSON, Chairman.
F. C. ZANZIG, Recording Secretary and Treasurer.

ARMOUR ENGINEER REPRESENTATIVE.

F. C. VAN ETTEN.

Executive Committee.

H. ROSE
W. C. THATCHER
J. T. WALBRIDGE
C. C. BAILEY

MEMBERS.

FACULTY.

W. E. Barrows
G. E. Marsh
Prof. J. E. Snow
E. H. Freeman
Dean H. M. Raymond

SENIORS.

Z. A. Aronian
G. A. Binder
E. B. Crane
H. S. Curtis
P. G. Downton
J. E. Fitch
G. G. Goheen
J. F. Guthrie
K. Heim
G. Hirschfeld
C. H. Jones
S. Kahn
C. Lindsay
H. Ostergreen
A. A. Perrin
W. H. Peters
F. C. Zanzig
E. W. Petty
E. M. Pinkerton
A. C. Ricker
H. Rose
G. I. Stadeker
T. W. Simpson
F. C. Van Etten
J. F. Walbridge

JUNIORS.

W. J. Baer
C. C. Bailey
F. O. Godfrey
H. E. Moyses
R. Whitmore
W. J. Neville
W. C. Thatcher

Armour Branch—A. I. E. E.

1909



Van Etten Sherwin McCune Perrine Guthrie Peters Fitch Heim Baer
Wallbridge Riker Whitmore Pinkerton Godfrey Downton Ostergren Goheen Bailey Kahn
Jones Hirschfeld Petty Crane Stadeker Curtis Lindsay
Rose Simpson Zanzig Rosenthal Aronian

Armour Branch of American Institute of Electrical Engineers

The Armour Branch is now in its sixth year of existence. The purpose of the local organization is to keep its members in touch with recent developments in electrical engineering and bring to their notice the practical problems of the day. This is accomplished by reading and discussing papers presented before the parent organization in New York, and original papers presented by local members. A special point is made of the experience gained by a student when called upon to express his ideas before an audience.

The parent body is composed of the leading electrical engineers of the United States and Canada. At their regular meetings in New York, electrical problems and conditions are brought up and discussed and are published monthly in the Proceedings. These proceedings are received by all students. The branch this year undertook a piece of work which when faithfully and finally carried out, will be of great advantage to its members. The object in view was to familiarize the student with the present engineering practice, and to place at his disposal a vast amount of constructional data along the following lines: Electric Railways, Steam-Electric Power Plants, Gas-Electric Power Plants, Hydro-Electric Power Plants, High-Tension Transmission Lines, and Switchboard Diagrams.

Membership in the local branch is limited to those of the faculty who are members or associates of the parent body, and to the Junior and Senior Electricals, who have the privilege of joining for three consecutive years. A fee of three dollars is charged by the parent body for the monthly proceedings. The members of the Armour Branch are especially fortunate in being invited to attend all the meetings of the Chicago Section, receiving regular notices of the same. The application blanks for the student membership require a brief synopsis of the education and experience of the student. These blanks may be obtained at any time from the chairman or secretary of the local branch. At the end of each school year officers are elected for the following year.

The executive committee is composed of the chairman, vice-chairman, and two representatives from the Senior members and two from the Junior members, appointed by the chairman. It is the duty of this committee to pass on all original papers and discussions on the proceedings of the parent body, which are to be presented before the local branch, and to arrange for the meetings. The regular meetings of this branch are held on the first and third Thursdays of each month, in the Engineering Society rooms in Chapin Hall.

Program of Regular Meetings

A. I. E. E. (Armour Institute)

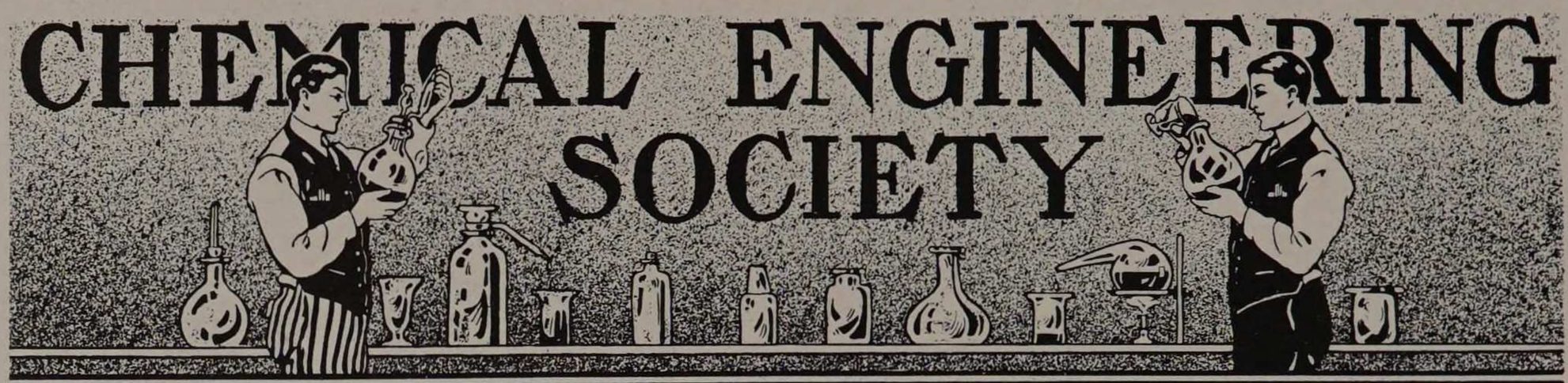
1908-1909.

Oct.	1.	Booster Systems	P. G. Downton
Oct.	15.	Electrons	G. E. Marsh
Nov.	5.	Selection of Railroad Motor Equipment	G. I. Stadeker
Nov.	19.	Operation of the Commonwealth Edison Company's Substation	E. W. Petty
Dec.	3.	Alternating Single-Phase Commutator Motors	T. W. Simpson
Jan.	7.	Design of a Conduct System for a Multiple Office Telephone	A. P. Strong
Feb.	11.	Some Problems Connected with the Building of a Large Street Railway System	R. H. Rice
Jan.	21.	Third Rail Practice on Electric Railways	H. Rose
March	3.	New Haven Electrification	F. C. Van Etten
March	10.	Industrial Engineering	F. A. Lindberg

PROGRAM OF SPECIAL MEETINGS.

1908-1909.

Jan.	22.	Resuscitation from Electric Shocks	Dr. H. B. Thomas



OFFICERS.

President	E. W. McMullen
Vice-President	E. K. Hammond
Treasurer	H. C. Smith
Secretary	J. L. Dunham

MEMBERS.

G. H. Starmann,
H. W. Martin,
E. W. McMullen,
E. K. Hammond,
H. C. Smith,
J. L. Dunham.
M. Vanderkloot,
W. H. Wiard,
T. C. Ford,
F. R. Squair,
F. E. Barrows,
E. F. Pohlman,

THE SENIOR CHEMICAL SOCIETY.

The Senior Chemical Society was formed in the spring of 1908 by the class of 1909. Its purpose is to secure papers on chemical engineering subjects and to bring the members of the course into closer relationship with each other. The need of such a society has been felt ever since the Chemical Engineering Course was started. Several of the classes have had societies of this kind, but no permanent organization was ever formed.

The first regular meeting was held in the engineering rooms October 29, 1908, and meetings have been held at regular intervals ever since. The management of the society is left to the Executive Council, composed of the president, secretary, and two members.

On December 11 the society gave its first banquet at the Boston Oyster House. Such an enjoyable time was had by all that it was decided to have one banquet each semester.

The membership of the society is of three kinds—active, associate, and honorary. All seniors in the chemical engineering course are eligible to active membership. Associate membership is limited to those who have completed the first two years of the course. At the end of the first semester of the junior year the associate members may become active members. In this way the society is made a permanent organization. All the professors and instructors in the chemical department are honorary members.

Up to the present time papers have been presented by: Prof. McCormack on "The Part of the Chemist in Industrial Progress"; Ass't Prof. Freud on "The Chemist and Society"; Mr. E. W. McMullen on "New Methods of Sugar Manufacture"; Prof. McCormack on "The Metallurgy of Iron and Steel," and Mr. R. B. Parker on "By-Product Coke Manufacture."

If future classes show as much interest in maintaining the society as is taken at present, the outlook for this much-needed organization is indeed bright.

The Chemical Engineering Society—1909



VANDERKLOOT POHLMAN FORD BARROWS

SQUARE

WIARD DUNHAM

HAMMOND MC MULLEN SMITH

Y M C A



OFFICERS

President	H. W. Carlson Vice-President	E. F. C. Pohlmann
Recording Secretary	R. J. Geisler Department Secretary	F. E. Barrows

BOARD OF MANAGERS

C. W. Leigh
G. L. Scherger
W. A. Colledge
F. U. Smith
T. E. Doubt
N. P. Peterson
H. W. Carlson
E. F. C. Pohlmann
F. E. Barrows
R. J. Geisler
G. M. Wilcox

STUDENT DEPARTMENTS OF THE CHICAGO Y. M. C. A.

Armour Institute of Technology.
Chicago College of Dental Surgery.
Hahnemann Medical College.
College of Physicians and Surgeons.
Northwestern University Medical School.
Northwestern University Law, Pharmacy and Dental Schools.
Rush Medical College.
The University of Chicago.

The Y. M. C. A. is one of the Student Departments of the Chicago Young Men's Christian Association. With its quiet and unobtrusive work for new students, its hand-shake, and its hand books of information, it plays an important part in the student college life, while the weekly Bible Study Classes held in the Association rooms, under the able leadership of Mr. W. A. Butcher, Student Secretary of the Chicago Association, form a valuable feature of its work.

The Association aims to get in touch with new students and to render effective aid whenever possible.

The Association rooms, with piano, games and magazines, are kept open through the year for the use of students.

Y. M. C. A.—Armour Branch—1909



Leigh	Barrows	Carlson	Peterson	Wilcox
Scherger	College	Pohlman	Doubt	Geisler

ALUMNI

OFFICERS OF THE ALUMNI ASSOCIATION.

President	E. H. Freeman, '02
Vice-President	F. R. Babcock, '03
Treasurer	H. B. Marshall, '05
Corresponding Secretary	D. P. Moreton, '06
Recording Secretary	T. A. Banning, '07
Master of Ceremonies	E. V. Starkweather, '99

The aim of this association is to bring the graduates of Armour Institute of Technology into close touch with each other and to promote the welfare of the institute in any way within its power. An alumni association may render great assistance to the officials of the institute, not only in advising as to what studies should or should not be included in the curriculum, but also in assisting younger graduates to positions.

The Alumni Association is composed of three classes, active members, or those who are graduates of the technical college; associate members, or those who have completed at least two years' work in the technical college, and honorary members, or those to whom the association sees fit to extend honorary membership. There is a branch organization in Pittsburg.

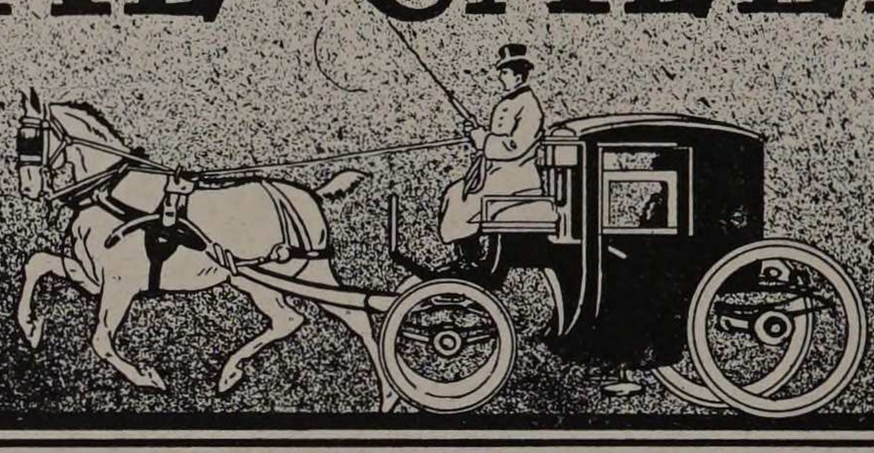
The 1908 roster shows an active membership of 445, associate membership 69, and honorary membership of 7. The spring banquet and business meeting of the association was held in the dining-room of the Grand Pacific Hotel on Monday evening, January 1, 1908. The banquet was well attended. The members of the class of 1908 were admitted to membership at this time. B. J. Arnold was voted an honorary member at this meeting.

The midwinter banquet and business meeting was held in the main dining room of the Illinois Athletic Club, Wednesday evening, December 23, 1908, and was very well attended.

The Social Whirl



SOCIAL CALENDAR



THURSDAY, April 23, 1908..... Annual Junior Class Banquet at the Chicago Athletic Association

FRIDAY, April 24, 1908..... Freshman Informal at the Lakeside Club.

FRIDAY, May 8, 1908..... Atelier Informal at the Lakeside Club.

THURSDAY, May 14, 1908..... Art Students' Hop at the Lakeside Club.

FRIDAY, May 15, 1908..... Civil Society Annual Banquet at Tom Jones' Grill Room.

SATURDAY, May 16, 1908..... Sphinx Banquet.

FRIDAY, May 29, 1908..... Senior Class Banquet at Tom Jones' Cafe.

MONDAY, June 1, 1908..... Alumni Association Banquet at the Grand Pacific Hotel.

WEDNESDAY, June 3, 1908..... Senior Class Boat-Ride.

SATURDAY, June 6, 1908..... Baseball Banquet at the Bismarck.

FRIDAY, September 16, 1908..... Freshman Handshake.

SATURDAY, October 10, 1908..... Armour Night at Riverview.

WEDNESDAY, October 14, 1908.... Faculty Club Smoker.

THURSDAY, October 22, 1908..... Atelier Smoker.
Architect Informal.

SATURDAY, October 24, 1908..... Radical X Smoker.

TUESDAY, October 27, 1908..... Phi Kappa Sigma Informal at Hamilton Park.

FRIDAY, October 30, 1908..... Tau Beta Pi Initiatory Banquet at the Great Northern.

THURSDAY, November 5, 1908.... Architect Informal.

FRIDAY, November 6, 1908..... Freshman Smoker at South Side Turner Hall.

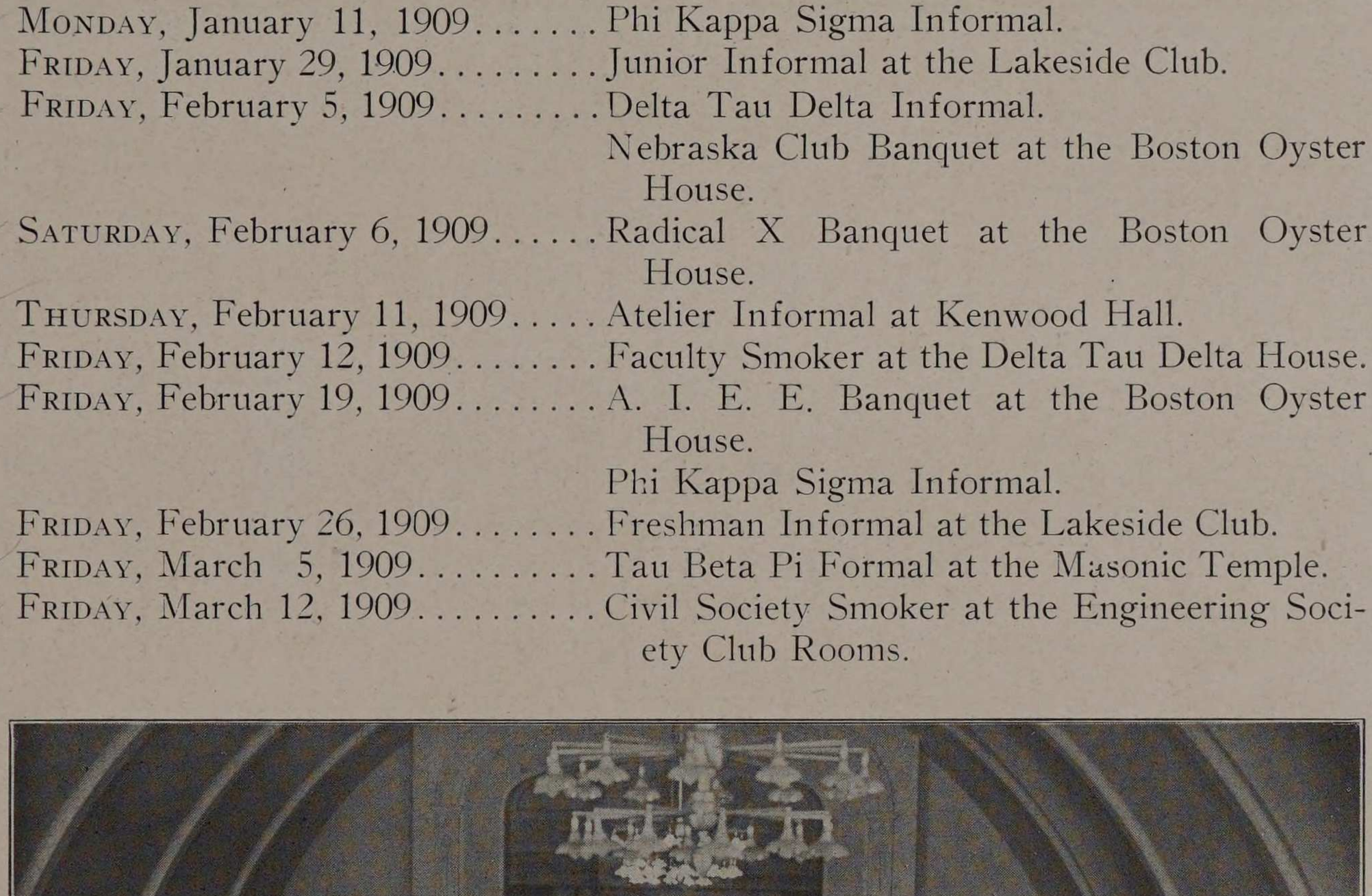
FRIDAY, November 13, 1908..... Wisconsin Club Smoker.

SATURDAY, November 14, 1908.... Delta Tau Delta Initiatory Banquet at the Hamilton Club.

THURSDAY, November 19, 1908.... Architect Inrormal.

FRIDAY, November 20, 1908..... Integral Board Banquet at Tom Jones' Grill Room.

TUESDAY, November 24, 1908..... Phi Kappa Sigma Informal.
WEDNESDAY, December 2, 1908.... Fulcrum Banquet at Rector's.
THURSDAY, December 3, 1908..... Architect Informal.
FRIDAY, December 4, 1908..... Senior Informal at the Lakeside Club.
FRIDAY, December 13, 1908..... Triangle Club Banquet at the Hofbrau.
THURSDAY, December 12, 1908.... Atelier Smoker.
SATURDAY, December 14, 1908.... Phi Kappa Sigma Informal.
THURSDAY, December 17, 1908.... Architect Informal.
WEDNESDAY, December 23, 1908... Alumni Association Banquet at the Illinois Athletic Club.
MONDAY, January 11, 1909..... Phi Kappa Sigma Informal.
FRIDAY, January 29, 1909..... Junior Informal at the Lakeside Club.
FRIDAY, February 5, 1909..... Delta Tau Delta Informal.
Nebraska Club Banquet at the Boston Oyster House.
SATURDAY, February 6, 1909..... Radical X Banquet at the Boston Oyster House.
THURSDAY, February 11, 1909..... Atelier Informal at Kenwood Hall.
FRIDAY, February 12, 1909..... Faculty Smoker at the Delta Tau Delta House.
FRIDAY, February 19, 1909..... A. I. E. E. Banquet at the Boston Oyster House.
Phi Kappa Sigma Informal.
FRIDAY, February 26, 1909..... Freshman Informal at the Lakeside Club.
FRIDAY, March 5, 1909..... Tau Beta Pi Formal at the Masonic Temple.
FRIDAY, March 12, 1909..... Civil Society Smoker at the Engineering Society Club Rooms.



THE JUNIOR INFORMAL



'11 FRESHMAN PROM.

It was great! The first social endeavor of the class of 1911. Congratulations, Freshies! In spite of the weather man, who ordered rain for that night, about one hundred and fifty of us took our lady friends and went to the Freshman Prom at the Lakeside Club on Friday, April 24, 1908.

The programmes! The illuminated class numerals! The decorations! The frappé! The girls! The time we had! Oh! everything was great! And last, but not least, the music furnished by Lawrence!

ATELIER INFORMAL OF 1908.

"Pa" Shattuck went! The Architects went! The rest of us went!—to the Atelier Informal on Friday evening, May 8, 1908. It was a dance of class, let me assure you; and the Architects were certainly good hosts. We were all sorry when the "wee sma'" hours told us it was time to cease tripping the light fantastic to the enticing strains of Baxter's orchestra.

Patronesses:

Mrs. W. F. Shattuck,
Mrs. H. M. Raymond,
Mrs. L. C. Monin.

ART STUDENTS' HOP.

We knew we were going to have a good time at this dance because we had heard so much about the gay times the art students have at their little Thursday afternoon informals, and some of us have had the pleasure of attending them. It was too bad it had to come on a Thursday night, but in spite of our next day's lessons the loyal Armour "social whirlers" and the usual bevy of Armour's

pretty girls went to the Art Students' Hop on Thursday, May 14, 1908. It was the farewell dancing party of the social season '07-'08, and was held at Lakeside. Baxter and his orchestra produced the harmonious element necessary.

SENIOR INFORMAL.

The honor belonged to the Seniors to start in the dancing for the season of 1908-'09. It was theirs on the evening of December 4th, 1908. At the Lakeside Club. Great Success! And besides it was a bridal party, also. Mr. Robert T. Evans and his bride. Of course the Seniors had to play a joke on the newlyweds, so they had Lawrence and his orchestra play the wedding march when the happy couple were dancing together. The stunt made a hit with everyone. To sum it all up, the Seniors made their last dance as they had former ones—a most enjoyable affair.

JUNIOR INFORMAL.

Outside the weather was something terrific. But who cared? The happy throng at Lakeside Club on the night of January 29, 1909, didn't seem to mind it in the least. Of course not—it was the Junior Prom and did you ever see a Junior Prom that wasn't enjoyable, well attended, and a great success? This one given by the class of 1910 was no exception to the rule and it was everything that it could be. Look at the picture and see for yourself!

ATELIER INFORMAL OF 1909.

On the night before Lincoln's birthday they, the Atelier, duplicated their social success of the preceding year. It was a nice little dance! A nice little hall! A nice little orchestra! And a nice little crowd! And it was informal! One of those dances where everyone just goes right in and enjoys himself to the limit. "Circular Two-Step." That was the new stunt the Architects introduced, and it was loads of fun.

'12 FRESHMAN PROM.

It seems to be getting to be a sort of precedent, these Freshman dances. The first endeavor of the Freshies along the social line seems to duplicate itself from year to year as being about the best dance given. Now, the class of 1912 didn't disappoint anyone with their dance and we all found it just like the one given last year, the best ever. My! And did you see all the professors that were there? Mr. F. U. Smith, Dean Raymond, "Pa" Phillips, and several of the other professors. Like all the rest of our dances it was given at the Lakeside Club. The evening chosen was Friday, February 26, 1909, and as usual Lawrence produced the music that makes him famous with all Armourites.



THE FRESHMAN SMOKER.

1. Time—Friday evening, November 6th, 1908, at the hour of eight or thereabouts.

2. Place—The South Side Turner Hall, which lies between Evanston and Forty-seventh Street, on African Center Avenue.

3. Event—The eighth annual smoker given by the Seniors, Juniors and Sophomores to their green little friends, the Freshies.

4. Attendance—The profs came, Coffeen and Willis. The Alumni came. The Seniors came. The Juniors came. The Sophomores came. The Freshmen came. Vic Cole came.

5. Purpose—To give the Freshies a chance to meet proefssors, alumni and upper classmen upon an equal footing. Maybe, to give them a chance to try their luck at "My Lady Nicotine."

6. Doings—Everybody smoked and then smoked some more. Coffeen told stories; Willis modestly retired to the rear, only to be taken in tow by Messrs. Smith and Cole. The alumni kept the dispenser of the amber fluid down stairs quite busy. The Seniors sang the Armour Y. M. C. A. song, looked wise, and tried to prevent the Sophs from becoming too boisterous. The Juniors, of course they were gentlemen, and as befitted their rank, they lent dignity to the occasion. The Sophomores, too noisy—yes, far too noisy. Those instruments of torture, cymbals, made a hit with nobody but the Sophs. The Freshmen, the poor little Freshies, tried to create a stir, but had to give it up as a poor job, as they couldn't drown out the Sophomores.

7. Entertainment—

Master of Ceremonies—E. V. McKarahan.

Performance No. 1—Song and Dance by J. Donn, '11, accompanied by E. J. Smith, '11.

Performance No. 2—Our old reliable "Artie Giest," in another of his brilliant monologue stunts.

Performance No. 3—Clog dance by Monsieur Heinie and Monsieur Louie, made famous by their exhibition at the Junior S. P.

Performance No. 4—Our own Prof. Coffeen in his latest revival of the famous cheese story and other repartee of wit and humor.

Performance No. 5—Songs by Messrs. Eberhardt and Carlin, including jokes on Baughman.

Performance No. 6—Fencing and broadsword bouts between J. W. Knox, amateur broadsword champion of Illinois, and O. E. Sauer, amateur duelling sword champion.

8. Finis—Trip to downtown restaurants, where many of us became "Arshiteeks."

NOTE.—We wish to apologize for our failure to mention the gifts presented to Prof. Coffeen by his Senior friends, and also for our foresight in not reviving that time-honored joke of the Fulcrum's about the Freshies being overcome with emotion or the "ghastly fumes."



FRESHMAN SMOKER—1909



THE FRESHMAN HANDSHAKE.

'Tis one of Armour's oldest traditions, the Freshman handshake. It is always the first thing on the social calendar every year and introduces the Freshman into Armour life. We always feel sort of strange until the Young Men's Christian Association comes to the front and helps "break the ice" in this most enjoyable fashion. This year it was given on Friday evening, September 18th, in the Refectory.

We were met at the door by the reception committee, among whom were "Cap" Larson and others. As we all had brought our good will with us, we got pretty well acquainted before the program commenced. Surely the fraternities made the best of their opportunity and gathered in quite a number of young hopefuls. A little preliminary was pulled off before the regular program in the shape of a few table lectures by Trink and others.

Then we quieted down to listen to the program proper. The first address was given by Dean Monin in behalf of the Institute. It was one of welcome and advice and was mingled with his humor, and pleased the boys. Other talks were given during the evening by Secretary Barrows, Mr. Butcher, Student Secretary of the Chicago Association, and Mr. Carriel, Assistant Secretary of the State Y. M. C. A. The talks were interspersed by choice musical selections.

One of the features of the evening was the pie-eating contest by Geisler and Tillotson, which resulted in a draw. Lunch was served by the "Captain," and the way it disappeared it needs no eulogy.

BANQUETS



JUNIOR CLASS BANQUET.

It came on the Thursday evening of Junior week, April 23, 1908. The celebrating the Juniors had done all that week didn't interfere with their appetites. They didn't care whether there was a dance on for the next night or not. The Chicago Athletic Association! President E. B. Crane as toast-master! Doctor Gunsaulus responded to a toast! Good appetites! Good food! Good companions! A real good time!

CIVIL SOCIETY BANQUET.

The Civils turned their eyes and good appetites to the festive board of Tom Jones in his Grill Room on May 15, 1908. The Civil profs all came. "Pa" Phillips, Prof. Wells, Mr. Persons. Dean Monin came, too. They all modestly spoke a few lines when called upon by President W. I. Converse. The society certainly proved themselves connoisseurs of the good spread Tom Jones served to them.

BASEBALL BANQUET.

The baseball nine broke training on June 6th at the Bismarck Hotel. "Bill" Trinkaus' "dad" served in the capacity of toast-master. Coach Smart spoke first on baseball. Then Trinkaus, Sr., called on Trinkaus, Jr. Bill and our old friend Joe Monahan gave farewell addresses. "Hal" Smith was unanimously chosen captain of this year's team. After making away with all the food in sight the bunch went to the Garrick to see Mabel Barrison in the "Flower of the Ranch."

ALUMNI ASSOCIATION BANQUETS.

The spring banquet of the Alumni Association was held at the Grand Pacific Hotel on Monday, June 1, 1908. Mr. Bion J. Arnold delivered the principal speech and was elected an honorary member of the association. Mr. A. G. Wickersham, Vice-President of the class of '08, spoke for the class on entering the association.

The winter banquet of the association was held on the evening of December 23rd at the Illinois Athletic Club. About eighty of the old guard were on hand and a regular Armour evening was enjoyed. Among those who spoke were F. H. Bernhardt, '01; C. O. Jones, '05; and Wuehrman, '07. Musical or nearly musical numbers were rendered during the course of the evening and were heartily appreciated by all.

SENIOR CLASS BANQUET.

The Seniors gave their last feed on Friday, May 29th, at the cafe of Tom Jones. The president of the class, Mr. A. A. Ditmar, served in the capacity of toast-master. Everyone enjoyed the talk Dean Monin gave on the customs attached to student life in the universities of Europe. Then you should have been present to witness that vaudeville performance! Honest, you would never have dreamed that the Senior class contained so much latent Thespian talent. The evening closed with this stunt and all agreed it was more than enjoyable.

THE SPHINX BANQUET.

The members of The Sphinx have a pleasant way of holding a business meeting—they have a banquet at the same time. Last year they held their business meeting, and incidentally their banquet, on Saturday, May 16th. On this occasion many new members were elected and the editors of this year's Fulcrum were appointed. Mr. J. S. Harvey was elected president and Mr. E. H. Stillmann secretary and treasurer of the Sphinx for the following year. After Badger had directed the orchestra for some time to the enjoyment of everyone, the whole bunch went out to the White City and—— well, ask one of them.

INTEGRAL BOARD BANQUET.

The editors of school papers are not those long-haired, soulful-looking gentlemen, but they are good fellows. They like to have a good time as well as the next one. So, to relieve the monotony of the daily grind the Integral Board and their various representatives sat down to a gorgeous feed on Friday evening, the 20th of November. Tom Jones was the patron saint and treated his guests royally. Then, I wish you could have heard those stories! Why, honest, McCune was a regular comedian, and Walther—well, just ask Anderson for the particulars.

THE RADIC BANQUET.

Annual Freshman initiation banquet of the Radical X Club was celebrated on Friday night, February 6, 1909. The customary place, Boston Oyster House, and the regulation thirteen-course dinner. There were about fifty members seated around the long table in the Irish Village when the feed commenced, and although this number varied at times, it remained fairly constant. After the eating part of the program the Freshmen were instructed into the mysteries of the club.

A. I. E. E. BANQUET.

A "Non-Magnetic Blow-Out and Feeder Test" was performed at the Boston Oyster House on February 19, 1909, by the Armour Branch of the A. I. E. E. There were present thirteen Seniors, six Juniors, and four guests—Mr. R. H. Rice, Prof. G. E. Marsh, Prof. H. F. Freeman, and Mr. T. A. Banning. Mr. Tracy W. "Steinmetz" Simpson was toast-master and he called on the guests for short talks. The guests left somewhat early, but the rest stayed around and enjoyed things until it was almost time for the lights to go out.

ARMOUR NIGHT AT RIVERVIEW



CHICAGO, ILL., October 11, 1908.

DEAR JIM:—

Several moons ago I sent you a package of language-contortion. Weary days have passed since then, and I am at a loss to know whether or not you have received that bunch of edification. What's the matter with you? Why not be decent about it at least? Let's have some kind of a death warrant, anyway.

What I have started to write about is a new scandal we pulled off here last night. Some guys who are Juniors and publish a book called The Integral thought they would like to see something stirring, so they fixed things up for an Armour night at Riverview. They're a live bunch, those Juniors, and even went so far as to hand us out some comps.

Well, after a while the con signaled for an attack, and I sailed into the bay—I mean Riverview. Emin got there ahead of me and seemed to be a self-appointed reception committee, and after a hand-mashing stunt he separated me from part of my currency and gave me an arm-band for my share of the proceedings. I breezed around a while and finally landed the Armour bunch, so I got in tow.

We navigated around, and then by a strategic flank movement brought up before the Royal Gorge. We were soon safely deposited on this implement of torture and yelling "Arch! Mech!" to beat the band. Say, kid, the way we did that noise stunt was a crime. Why, we had the Caruso chorus backed off the boards. After the smoke had cleared away and I was again safe on terra firma, the Sophs started in with a little of their usual rough-house. They grabbed one of the Freshies and took him up to get his face shot by a camera. The whole crowd piled into a fake auto with the Freshie in the center, and had the picture taken on a postcard. I'll send you one before next leap year.

Then we started out to run a show of our own. Stark was head barker, and everybody else wanted to be ticket seller except Tobias. He was scheduled to do a Salome stunt. Well, anyway, the show went bust for the want of an audience, so we postponed the first performance until further notice. Now, my dear James, don't let me bother you with details. We concluded our seance with a break-neck finish on the scenic railway. Scenic railway? Why, I saw more scenery floating around in the ozone than they could anchor in a square mile. If it hadn't been that the park closed up I'd be going yet.

Enclosed please find my best regards. That's about all. I'm for the sleeps.

Yours without a struggle,

A. FRESHIE.

ASSEMBLIES



April 16, 1908. John R. Mott, Secretary of the World's Student Body Branch of the Y. M. C. A.

April 20, 1908. Richard B. Harrison of Los Angeles, Cal.—Selections from Paul Lawrence Dunbar's Works and readings from "Merchant of Venice."

Sept. 15, 1908. Dr. Gunsaulus—Opening Address of the Year.

Oct. 9, 1908. Mr. David Evans of London, England—Song Recital.

Oct. 16, 1908. Mrs. Theodore Worcester of Chicago—Piano Recital.

Oct. 29, 1908. Miss Meressa Thompson of Peoria—Original Monologue adapted from "Rebecca of Sunnybrook Farm," by Kate Douglas Wiggin.

Dec. 9, 1908. Mr. Arthur T. Griffith of Milford, Indiana—"Rapid Mathematical Calculations."

Jan. 20, 1909. Hon. Smith Stimmel of Casselton, N. D.—"Personal Reminiscences of Abraham Lincoln."

Feb. 5, 1909. Col. J. F. Darling—"Life and Character of Abraham Lincoln."

Feb. 17, 1909. Dr. F. W. Gunsaulus—"Review of Lincoln Centenary."

March 15, 1909. Mr. Frank Speaight of London, England—"David Copperfield."



CLASS OF 1909
MARSHALS

First, Robert T. Evans

Second, Herman E. Beckman

Third, Donald D. Dick

SUB-MARSHALS

R. A. Walther — A. M. Ellet

A A. Ebert — E. W. McMullen

April 20th to 25th, 1908

Monday, 10:30 a. m.

Assembly in the Mission.

Talk by Richard B. Harrison.

Tuesday, 3:00 p. m.

Junior-Senior Baseball Game on Ogden Field.

Wednesday, 8:00 p. m.

Stunt Program in the Mission.

Thursday, 12:00 m.

Distribution of the Integral on Ogden Field.

Thursday, 3:30 p. m.

Baseball on Ogden Field—A. I. T. vs. Physicians' and Surgeons'.

Thursday, 7:30 p. m.

Junior Class Banquet at the Chicago Athletic Association.

Camera Club Exhibit all week.

One of Armour's most cherished traditions, "Junior Week," was begun by the class of 1907, and has been successfully carried on since then by each succeeding class. The third "Junior Week" given by the class of 1909 proved equally as successful as the others, the Stunt programme being especially interesting. An outline of this programme is given below:

PROGRAMME.

Stunt 1. Love's Old Sweet Song.....Glee Club

Stunt 2. Exhibition of Hypnotic Power.....
.....Prof. Magnetto, the World's Renowned Hypnotist

Stunt 3. Dance of the Goblins.....Mandolin Club

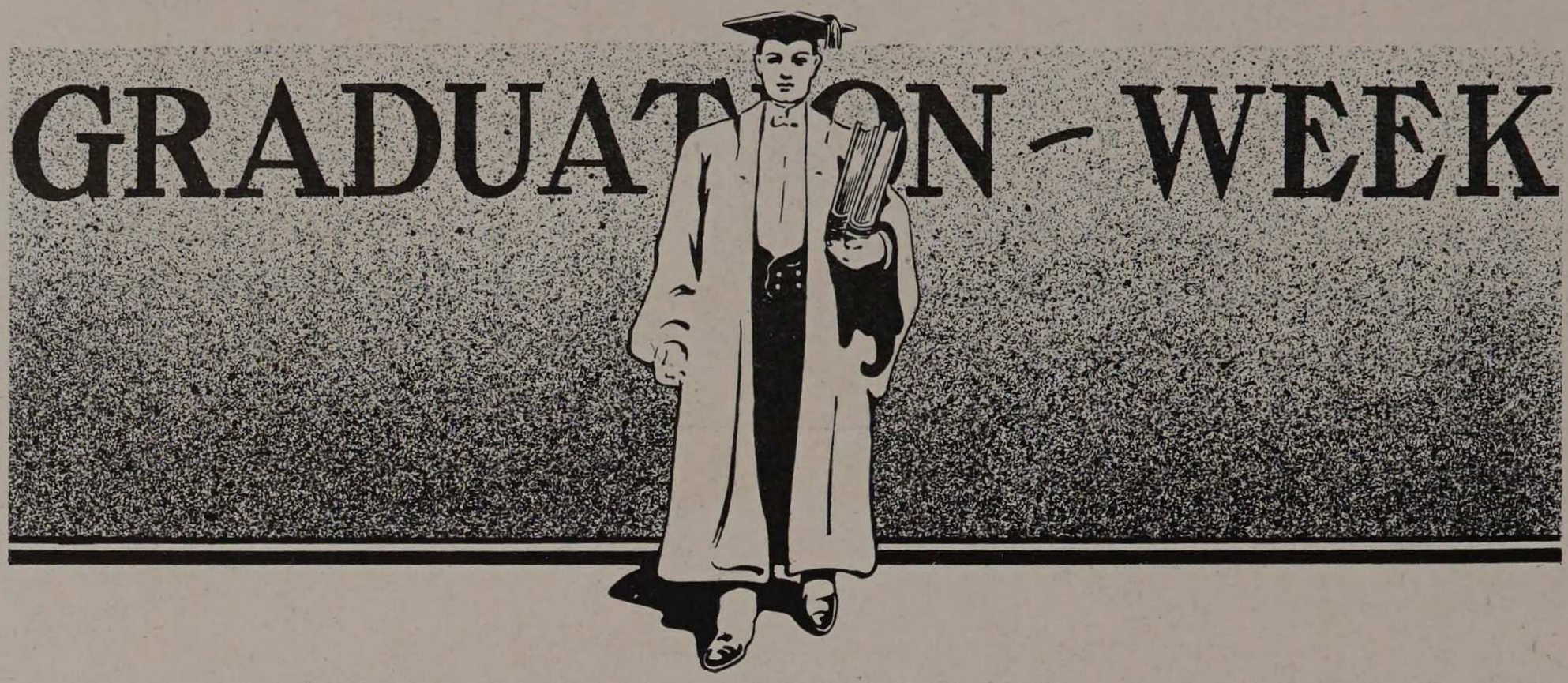
Stunt 4. Minuet—*Sgambatti*.....
Etude—*Chopin* .....Gustav Birn

Stunt 5. Dreaming
Afraid to Come Home in the Dark.....Glee Club

Stunt 6. Clog .....Williams and Walker, Jr.

Stunt 7. Runabout .....
Garden Matinee .....Mandolin Club

Stunt 8. History of Math.....A Farce Tragedy



Class 1908

Friday, May 29, 1908—

Senior Class Banquet at Tom Jones'.

Sunday, May 31, 1908—

Baccalaureate Sermon in the Auditorium by Dr. F. W. Gunsaulus.

Monday, June 1, 1908—

Alumni Association Banquet at the Grand Pacific Hotel.

Wednesday, June 3, 1908—

Senior Class Outing across the lake.

Thursday, June 4, 1908—

Twelfth Annual Commencement of the College.

PROGRAM OF EXERCISES.

Organ — Selected

PROCESSIONAL

March — Selected

Mr. Allan Bogen

PRAYER

Prof. William A. Colledge, D. D.

Vocal Solo — Selected

Mr. Daniel Protheroe

THE ANNUAL COLLEGE ADDRESS

HON. JOHN A. JOHNSON

Governor of Minnesota

Vocal Solo — Selected

COMPTROLLER'S ANNUAL REPORT

CONFERRING OF DEGREES

BENEDICTION

RECESSIONAL.

CLASS RUSH



The Editors of The Integral, feeling entirely unable to do justice to the scenes of Freshman Tuesday, and the incidentals on Thirty-Fifth Street a few days later, have called to their aid two of the foremost descriptive writers of the age.

The Cruise of the "Yea Lemon"

CHAPTER I.

Stealthily out into the gloom of a cool September evening they made their way. Up alleys, carefully keeping in the shadows of fences, these seekers of adventure, and barns, prowled in the darkness.

"Stop, what was that noise?"

"A cat, did you say, Geis?"

"Cat nothing, there's a double force of 'bulls' from Stanton Avenue out tonight. Make less noise, but on with the march."



Again did the weary trio recommence their exasperating search for a barn in which to imprison the wiley victims of to-morrow.

"It's 'most time Kiley and Hills got back from that expedition to the rowing club," said Abel to Lawson, after Geisler had departed to interview the owners of a promising stable.

"Fellows, what's that?—What?—That you, Kiley?—Oh, all right, come on."

It was Captain Kiley, our hero!

"What d'you find out?" says the valiant Geisler.

"Don't stop here," says our hero, "you'r wasting time, we've got the peachiest schooner out in Lake Michigan that ever buffeted a nor'wester or rounded the horn."

CHAPTER II.

"Four bells and all's well," called the watch. All is still, save for the incessant lap, lap, of the waves on the planking of the "Yea Lemon."

Fog enveloped the ship and augured well for the evening's raid.

"I say," calls Skipper Kiley, "run up the black flag."

"Aye, aye, sir," answers Beech, the lovely lieutenant, "but begging your pardon, sir, don't you mean the eleven flag, sir?"

"The black flag, varlet, or I'll knock your brains out with yon belaying pin. We want a flag that will encourage you miserable cowards and fit you for the night's work. Run up the flag."

With infinite skill did these denizens of the deep negotiate the Hyde Park reef, steadily bringing their craft to the foot of Thirty-first street. Handicapped as they were by the mastless ship with its rotten planking, they nevertheless managed to get their mud hook into the drink just in time to receive the first of the booty from the land forces.

"Ahoy there aboard the Lemon," came the call from the shore.

"Aye, aye, who are you, friend or foe?'

"This is your land force, captain—we have a prisoner."

"Fetch the varlet aboard at once."

"Aye, aye, sir."

"Now, poor wretch," said the captain, "what's your name?"

"Harris, sir."

"Dog, take this oath: 'You do solemnly swear and affirm, that the Freshman Class is a bunch of knownothings and boasters.''

"I refuse."

"Fred Fearnot Beech, as captain of this ship," said our hero to the lovely lieutenant, I command you to remove the prisoner to the hold and give him torture number one."

"Aye, aye, sir."

"And if he still refuses to take the oath shave his head."

CHAPTER III.

"Strange lights on the port bow," calls the lookout from his position of vantage at the masthead.

"Can you make them out?"

"It is the Freshman force, sir."

"Call all hands and prepare to resist boarders," are the young captain's orders in this time of peril.

"Mercy, they are upon us," shriek the Sophomores. The noise of battle and the turmoil of the conflict envelop the ship with all their attendant ghastly associations. The groans of the wounded, nursing their injured fingers and mud bespattered clothing, are frightful.

The fight is on! ! !

Thrice do the nervy Freshmen wade out to do battle with the pirate crew, and thrice are they repulsed, leaving behind them many a cracked pirate head and losing but few of their number.

"What are those kindergarten graduates doing now?" asks Kiley, the invincible, of one of his pirate band. "We'll have revenge."

"They are holding a council of war, sir, and it looks as if they were procuring two-by-fours and scantlings as large as those we have, sir."

"Go to the wireless cabin at once and summon aid of our friends on Stanton avenue lest we be overpowered and imprisoned on our own ship," is Kiley's cool, collected order in this time of peril.

CHAPTER IV.

Again the Freshmen prepare to attack the stronghold of their lifelong foe.

"Curses! They are upon us."

But, hold, there is a clanging of gongs and the rush of many feet upon the sandy shore.

"Heavens! ! The Cops! ! !

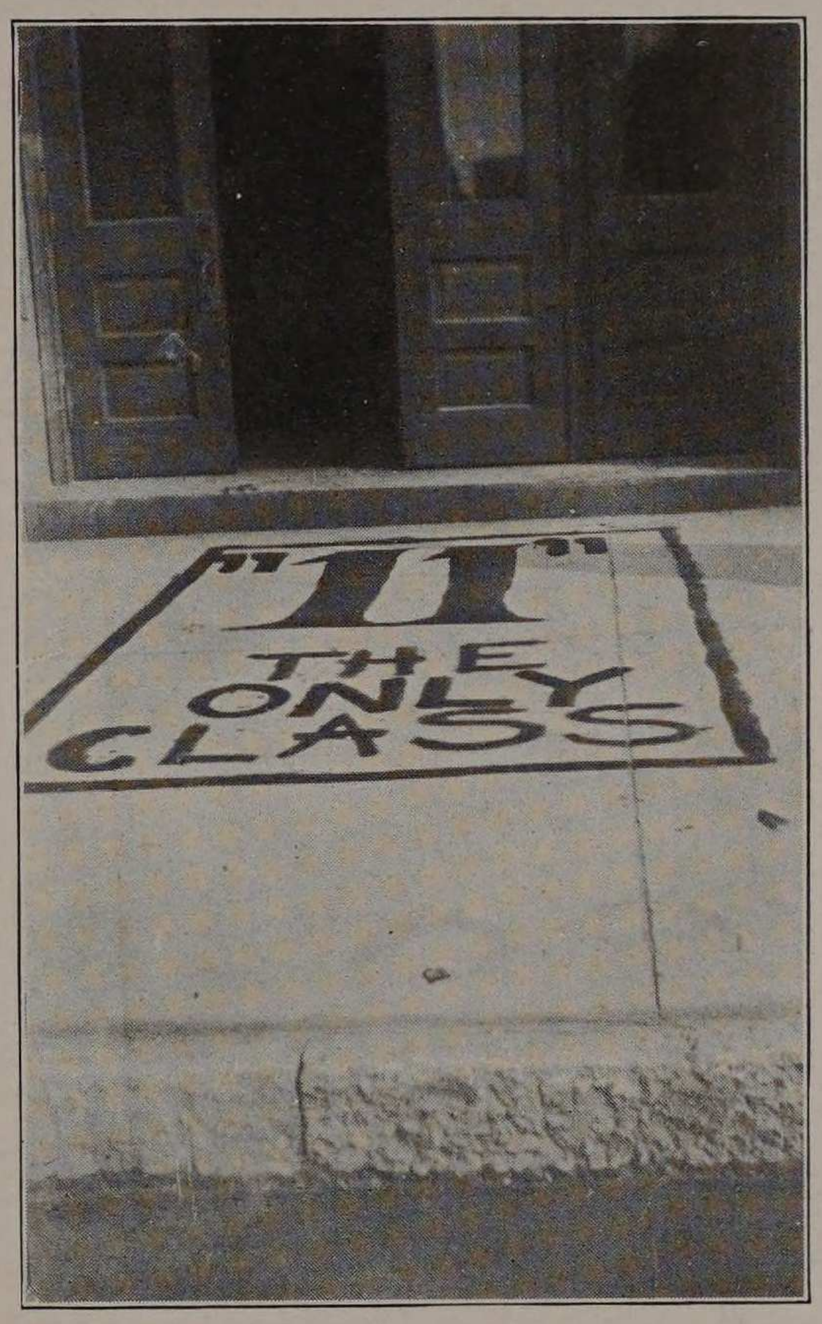
CHAPTER V.

Pinched! ! ! !

The End.

(The next number of the Bounding Billow Weekly will contain "The Adventure of the Freshman Smoker," or "Who Smashed the Cymballs?" by "Old Stude.")

Mr. Hooley On The Municipal Court



"I say, Hooley," said Mr. Hanecy, "phat was you doin' on t'irty-fift' street wan day lahst week? I'm tinkin' yer bye was jugged wit' th' rest iv thim college judes th' night afore."

"No," said Mr. Hooley, "I was there, but me bye wasn't in it no more as yours was—th' lad was safe wit' his old mither at home. I was just goin' down th' street to get me money on a bad dibt fr'm a County Kerry man, whin I seen th' commoshun.

"There was a bunch iv those windy panted, small hatted college byes lined up on one side iv th' street and a photygrapher a makin' a pictur' iv thim on th' other. An prisintly, Hanecy, th' whole lot iv thim wint into th' coort room wit' me trailin' behint.

"Inside was me frind, Alderman Fooreman, 'How are ye th' day, Alderman?' says I, 'Very good, sir,' says he,—it pays to know your Alderman, Hanecy. All th' byes was in th' coort room makin' a noise like a bunch iv naggers and dootchmin fightin' forninst th' roolin' mills beyant th' gas house—th' noise was that gr-reat ye couldn't think.

"Pretty soon me frind, Judge Girten, come in an' started th' ball ro-olin'. Was ye iver in a polis coort, Hanecy? Where all th' back ya-ard fights and qua-arells iv a nayborhood are hashed oop. 'Twould pay ye to go oncet Hanecy, tis an iddication in itself. Polismin, an' naggers, an' Hunyaks, an' Swades, an' dootchmin, an' sasenach, all waitin' to ate each other oop.

"There was a lad there th' polis had pinched fer scheewpin' oats frum an impty box ca-ar. Th' bye says as how he was out iv wurrik an' hungry an' as how he had a job fer Chusda' marnin' only th' cops took him. But th' Judge rached fer his tillyphone—a gr-reat convanience th' tillyphone, Hanecy—an' found th' bye had no job, so he sint him to th' bridewell fer li-in'.

"An' nixt there was a bunch iv those Hoonga-ariyans that have driven th' Irish fr-m a carryin' th' hod, diggin' trinches, an' loike to bein' bosses an' walkin' diligates. It seems that a pa-arcel iv socks had busted open aboord some pa-acket in th' river an' these Hunyaks had purlined a few to adorn th' wood totin', boondle ca-arryin' woives they have."

"Judge Girten asked th' garlic atin', outlandish talkin' furiners if there was any wan else who got socks, an' such a jabberin', Hanecy, I never heard before—just loike th' parrits in Lincoln's pa-ark. By an' by one iv thim that had bin to night school says there was a couple iv fellers that got socks, too. 'Why, aint they here?' says th' Judge. 'They was Irishers,' says th' Hunyak, an' so th' Judge foines thim all tin an' costs, an' says, 'after this let the Irishers take th' socks.'

"After they had taken th' tongue-murderin' sout i' Europe immygrants to their cells th' crowd seemed to bustle an' squirm about loike something was going to happen. Hanecy, twas th' case iv' th' sthudents." "Sthudents, it is—booms, I'd call thim," said Mr. Hanecy. "That shows how limited yer iddication must hev bin, Hanecy. Ye see it was this way, nowadays the amachoor col.ege shpoort does not go to school to play futball, he must needs find a more muhrderus method iv ricreation. So they have adopted th' class rush. 'Twas th' Class rush lahst noight, whin th' Suffermores met oncet again their innocent victims, th' Frishmin. The disturbance they raised, Hanecy, was enuf to arouse th' whole wurruld, an' th' polis arristed thim for it."

"They was a couple iv polismin charged th' byes wit' deco.atin' th' nayborhood wit' all sorts iv colors an' signs. Wan cop said 'th' Frishmin,' he t'ought dey called 'em, 'was on th' shore iv Lake Mitchigan an' had surrounded a boonch iv Suffermores who had a couple iv Frishmin tied up on an ol' scow.' It seems that it is th' custom fer th' Suffermores to tie up th' Frishmin every year, but this year after they had got stharted they thought that th' Frishies were a goin' to tie thim up, so they called on th' cops to hilp thim out. Th' polis, not undherstandin' th' ould college coustums, pinched th' lot iv thim. Afther th' polismin were through me friend, Alderman Fooreman, a good man (too bad he's not Irish), shpoke fer th' byes. 'Thats right, Alderman,' says I, 'twas nothing wrong they mint, only a byeish prank.' But th' Judge says as how he just sint a poor bye to th' wurruk house fer schweepin' oats out iv box ca-ars, 'now how,' he says, 'can I let these byes go,' he says, 'who come fr'm good homes," he says, 'an' ought to know better? There was nobody here to plead fer th' poor lad,' he says, 'an' if I hadn't jailed him they'd say that I was incourigin' chrime, he says. 'It's hard, he says, 'to distinguish betwixt th' rich an' th' poor,' he says, 'so I'll continue this case an' think it over,' he says.

"Well, Hanecy, th' sthrain is at an ind. The Suffermores an' Frishmin have mit oncet again on th' historic field iv battle an' have pasted ache other. Fr'm now on there'll be room fer th' ordinary cases iv assault wit intent-to-kill in th' pa-apers. An' there ye a-are, Hanecy.

"Faith, Hooley," said Mr. Hanecy, "th' Judge was roight, I'm thinkin'. Th' byes nowadays is too frish all-to-gether. We niver acted loike that whin we were byes, Hooley."

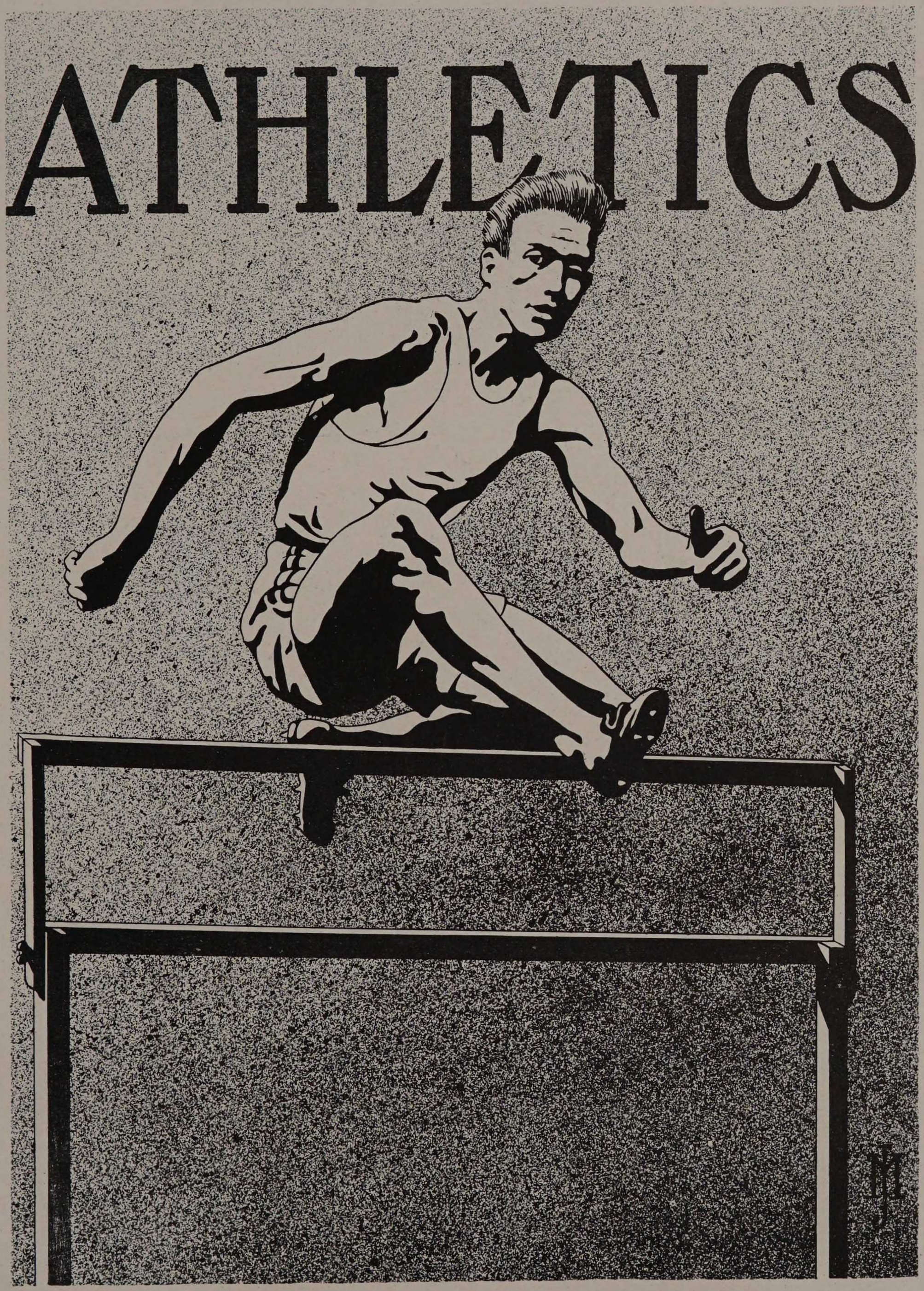
"Well," said Mr. Hooley, "do you raymimber th' toime you, an' I, an' th' O'Toole byes schwiped a goat fr'm th' widdy O'Connor iv a Halloween?

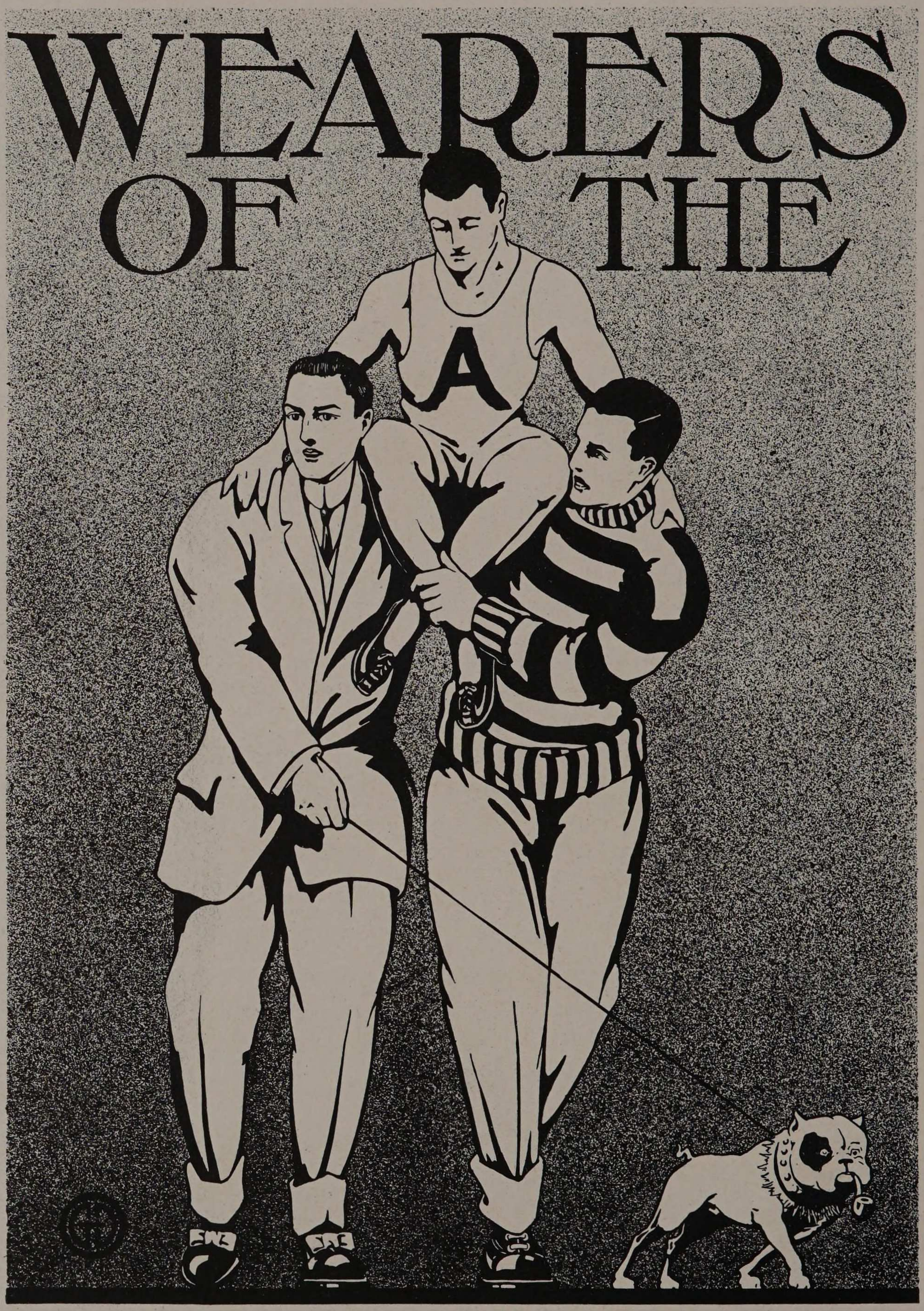
"Th' byes a-are as good now as they iver were I'm thinkin', Hanecy."

"We should have gone to college. We missed a lot."



ATHLETICS




WEARERS
OF THE
A

BASEBALL

Fey	'09	Smith	'09	da Silva	'11
McAuley	'09	Taylor	'11	Jens	'10
Urson	'09	Struble	'11	Daly	'10
Niestadt	'09	Ahern	'09	Deveney	'10

TRACK

Fitch	'09	McKarahan	'09	O. Kellner	'10
Hotchkin	'10	Stadeker	'09	O. Richards	'10
Cheney	'11	Bristol	'10	Powell	'11

BASKET BALL

Beckman	'09	Johnson	'09	Eliel	'10
Urson	'09	Beach	'11	Cheney	'11

FOOTBALL

Hotchkin	'10

Athletics

It was on September 20, 1904, that Armour witnessed a revival and general awakening along the line of athletics. It was then that through the generosity of one of our trustees, Mr. J. Ogden Armour, we were presented with a permanent athletic field, which was named in honor of the donor, Ogden Field. An interest in athletics was then aroused and things took a decided "hunch." Students got out and tried for the teams and everyone took some small part in athletics. The Athletic Board of Control was made a permanent body and as a consequence was included in the organization of the Institute. Everyone is now required to pay a fee, which is devoted to carrying athletics, thus making it possible to furnish coaches for the teams and provide material for them.

At the present time athletics at Armour are carried on under the following heads: Baseball, track, and basket-ball. Football is not indulged in because of the lack of time on the part of the students to devote to it. Managers of the various teams are elected from among the student body and many games are arranged with outside teams.

One of the most important and interesting features of athletics are the inter-class tournaments. In the fall of each year games are played by the different classes in baseball and basket-ball, track having been dropped. The past year's inter-class tournament proved very successful and was won by the class of 1909, they having proved themselves invincible in both of the games. They were presented with suitable emblems for their achievements by the Athletic Board of Control.

The Board Of Athletic Control

President	C. W. Leigh
Secretary	E. V. McKarahan
Treasurer	F. U. Smith
Manager	H. C. Coffeen

MEMBERS.

FACULTY REPRESENTATIVE FROM COLLEGE.
C. W. Leigh.

FACULTY REPRESENTATIVE FROM ACADEMY.
H. C. Coffeen.

STUDENT REPRESENTATIVES FROM COLLEGE.

G. C. Bristol. E. V. McKarahan.

STUDENT REPRESENTATIVES FROM ACADEMY.

J. A. Lyons. R. L. Langford.

MEMBERS EX-OFFICIO.

F. U. Smith. L. C. Monin.
H. M. Raymond. H. B. Thomas.

BOARD OF ATHLETIC CONTROL



G.C. BRISTOL



J.A. LYONS



L. LANGFORD



E.V. McKARAHAN



L.C. MONIN



H. COFFEEN



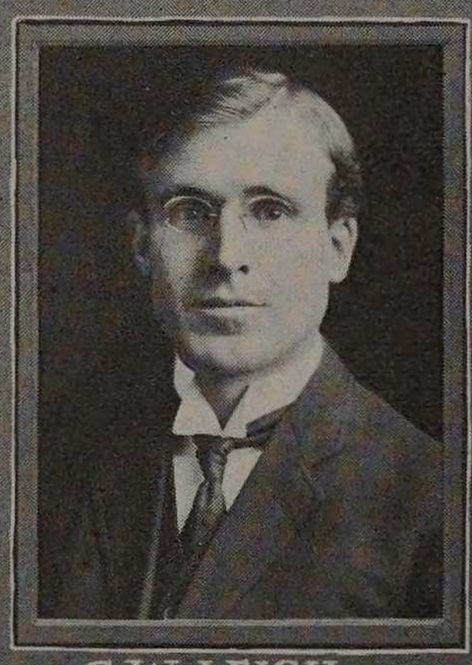
F. V. SMITH



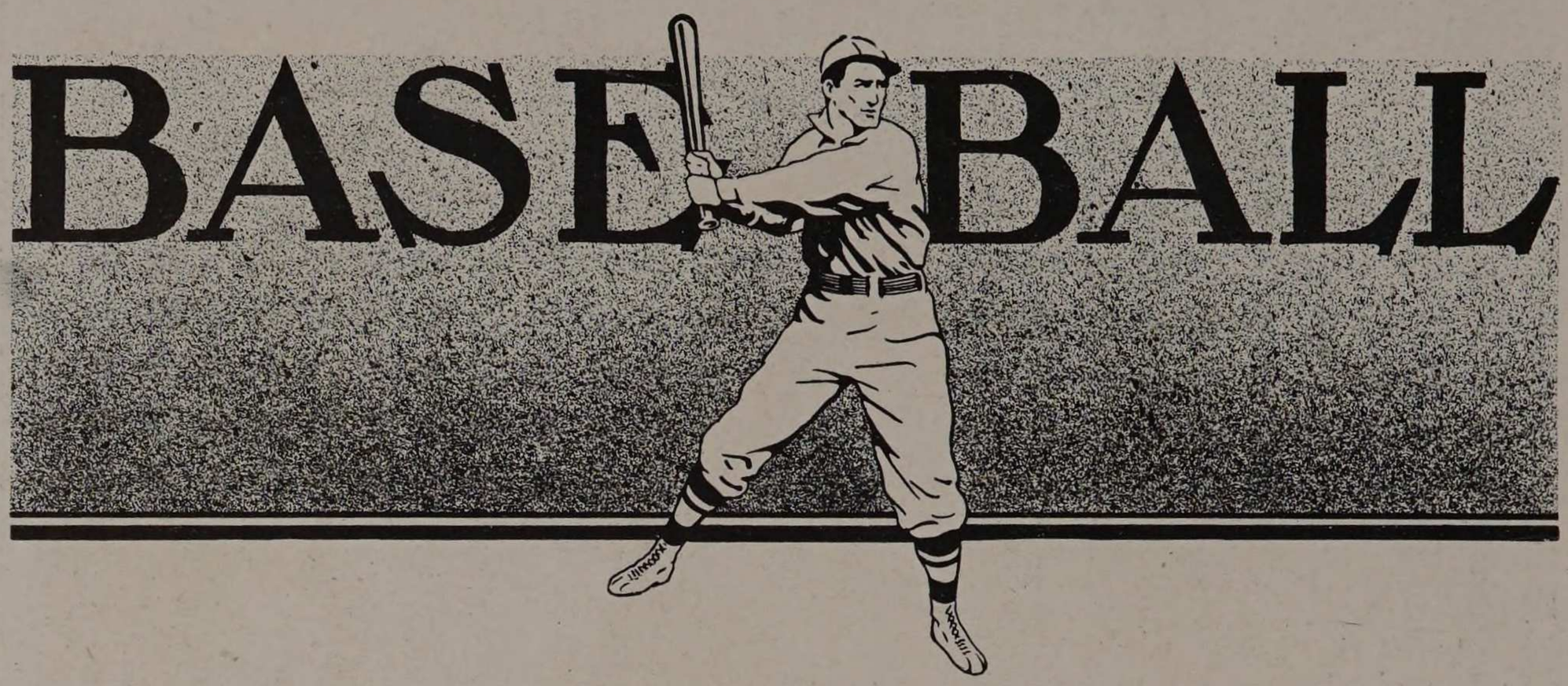
H.B. THOMAS



H.M. RAYMOND



C.W. LEIGH



Captain
WM. TRINKAUS, JR., '08

Coach
W. K. SMART

Manager
J. E. MONAHAN, '08

THE TEAM

Members	*Class*	*Position*
H. C. SMITH	1909	Catcher
WM. TRINKAUS, JR.	1908	Pitcher
C. A. TAYLOR	1911	Pitcher
B. F. MCAULEY	1909	First Base
F. A. NIESTADT	1909	Second Base and Field
G. H. STRUBLE	1911	Second and Third Base
J. F. AHERN	1909	Short Stop
C. J. DA SILVA	1911	Field
W. FEY	1909	Field
W. G. JENS	1910	Field and First Base
J. J. DALY	1910	Field and Third Base

JOSEPH EDWARD MONAHAN.

"Irish," besides having a strangle-hold on the job of class secretary (he held it for four years), managed the great and magnolious team. He arranged an excellent schedule, and undoubtedly much of the success of the team was due to his untiring efforts.

F. A. NIESTADT.

"Freddy."

Fred was born in Germany, but emigrated to this country at an early age. He became a citizen in due time, and quickly learned the game of baseball. Opposing batteries have tried to use Dutch signals, but were foiled by this son of the "Faderlandt." When not playing ball "Fritz" swipes stools in the civil drafting room.

JAMES J. DALY.

"Pete."

This young person is the namesake of Corbett, Jeffries, and other famous pugilists, but he himself is a star of the diamond. "Pete's" talents are many, and he is also one of the main works of the Camera Club.

C. J. DASILVA.

"Slivers," "Claude."

Claude's position on the team was field, but his chief claim to glory is due to the fact that he was catcher on the famous summer camp team. Claude belongs to a noted family. There's his "brudda Sylvest," sister "Salome," and sister "Mariootch." Now, please don't give it away, but he was an Italian count, and gave up his title to become naturalized.





WILLIAM TRINKAUS, JR.

"Trink," "Hank," "Bill," "Wibby" and "Triblens." Since March 21, 1887, "Hank" has been in condition for any kind of game, but baseball is his specialty. He takes great delight in making opposing teams look peevish and bat foolish. In the box his movements are slow and deliberate, but when he pitches his "up-down" ball, it's so speedy that Eddie Walsh's spit and Frank Smith's cannon ball look as big as balloons compared with it.

J. F. AHERN.

"Red."

Although "Red" is a highbrow and is editor of the Fulcrum, he is a dandy shortstop. "Red" was the light of the team, and pulled off some beautiful fielding stunts. He would single hard and often, and when on base try to break the stolen-base record of this country.

BENJAMIN F. MCAULEY.

"Benny," "Mac," "McCanty," "McSuley."

"John, dear, I am afraid that baby is left-handed—in grasping the nursing bottle he always does it with his left hand." "Hurrah! He may make us both famous some day by being the leading southpaw twirler of the major leagues."

This dialogue took place between the parents of "Benny" in his infancy, and the prophecy was literally fulfilled, though Mac's position was first base. On the initial sack Mac makes Donahue, Chase and Chance look like amateurs and, say, he's a swatter from Soak-ems-ville.

C. A. TAYLOR.

"Jack," "Pepper Jack."

Taylor pitched both games against the U. of C. last season. He won the first through his clever box work, but lost the second because his supply of chewing (gum?) ran out. To look at this modest, unassuming twirler you would never think that he is the renowned "Jack."



G. H. Struble.

"Strub."

"Strub's" regular job was third base, but when Niestadt was injured he was shifted to second base, where he showed his versatility and other things. He was one of the mainstays of the stone wall infield, and was in the game all the time.

Hallam C. Smith.

"Hal," "Demon."

Though "Hal" is a chemical, and is rather portly, he is some catcher. When "Trink" and "Hal" get going good, the enemy's batters don't have a look-in. "Demon," on numerous occasions, has nailed would-be purloiners of second base, and he is there with the stick work, too.

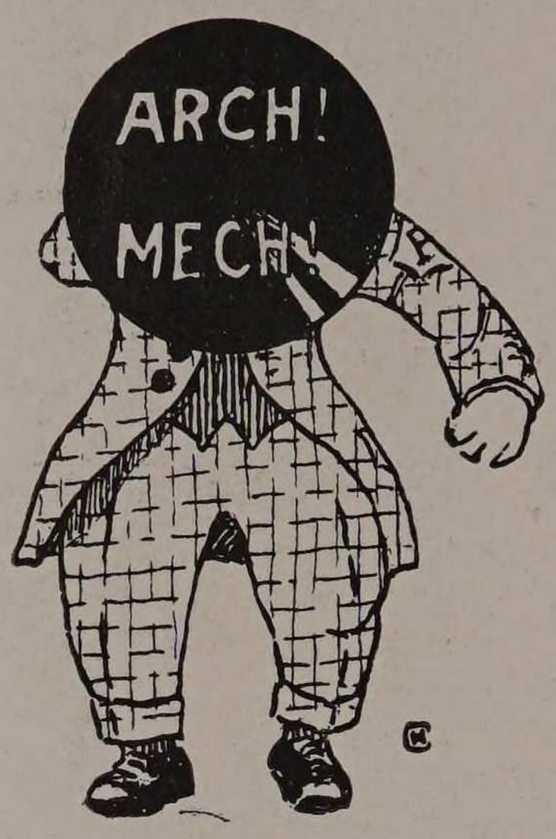
William Fey.

"Pink," "Pee-Wee."

"Pink" headed the batting list. He would walk up to the plate, and dare the opposing slab artist to put the ball over. The short one's bluff was seldom called, but when it was the ball went over the fields and far away.

Walter Galt Jens.

"Juice," "Ginger," and one of the "Peerless Twins." Rock Island was a slow town till Walt arrived, but since then trains stop there. He is a fine, big boy, and a credit to the community. His habits are excellent, his only vice is that he is a "Phi Kap." "Juice" is some ball player, and as a pinch hitter has Hofman, Atz, etc., relegated to the tall timbers. While not prancing round the outer garden, "Ginger" performs at first base in great style.



The baseball team in the spring of 1908 was the strongest one that the college has ever had. Deveney and Ursson were the only members of the 1907 team who did not report for the tryout in March. The new members of the team were: Taylor, '11, Struble, '11, da Silva, '11, and Daly, '10. The lineup of the team was somewhat upset by injuries to Niestadt on May first at Galesburg, and McAuley on May nineteenth at De Paul.

Armour won sixteen games, and was defeated but three times—splitting even with the teams of the University of Chicago, St. Viateur's College, and Albion College. The heavy work in the pitching department was done by Captain Trinkaus, but Taylor must also be given credit for his good work.

In the first University of Chicago game Taylor held the Maroons to four hits, and was given errorless support.

On Saturday, May ninth, the game with Knox College took place, and it developed into one of the best exhibitions of baseball playing that could be desired. The features of the game were a triple play by Knox's third baseman unassisted, and a double play by Armour—Ahern to Struble to McAuley.

On Tuesday, May 26th, the game with St. Viateur's College was played. This team had beaten Minnesota 12 to 6, but Armour scored three runs in the ninth inning, and beat St. Viateur's by a score of 3 to 2. Trinkaus pitched a fine game, allowing only three hits and two bases on balls, and striking out eleven men.



"BALL ONE!"

Beloit, Knox, De Paul, and Monmouth succumbed twice, while rain prevented a double dose from being handed to Lake Forest and Hillsdale.

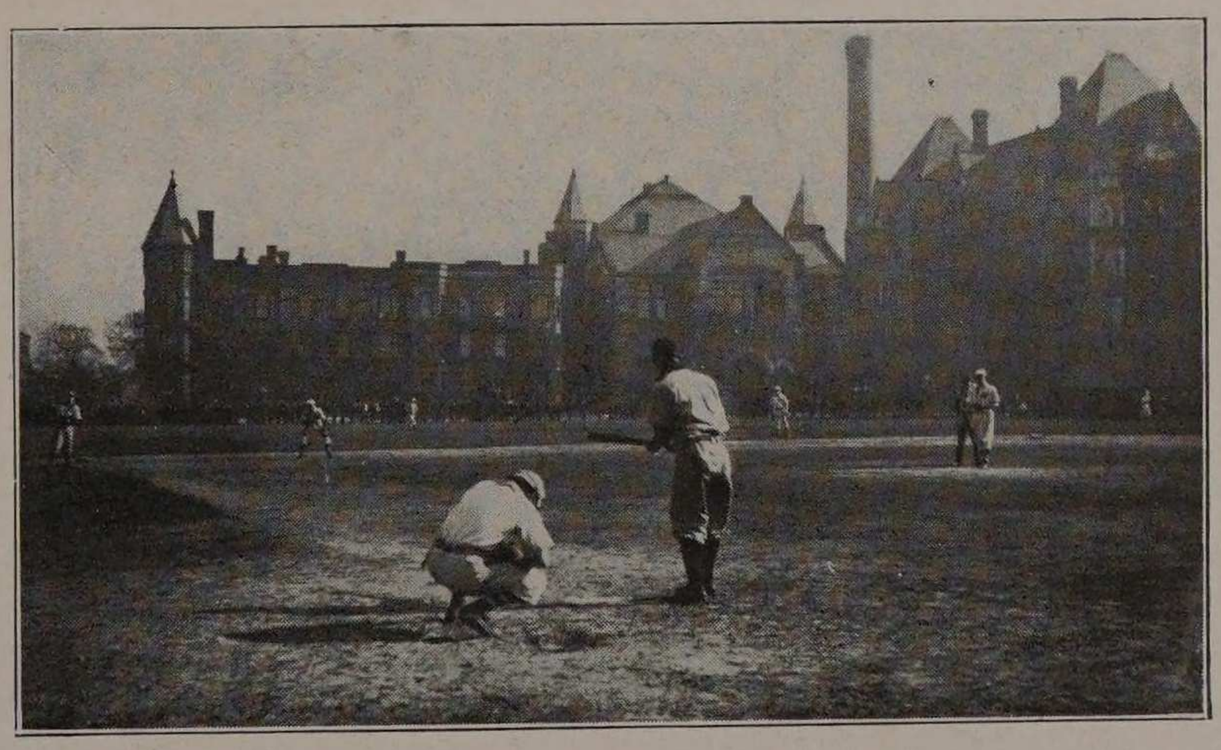
The prospects for next year's team could not be better, as nearly every man on last year's team is expected back and the Freshmen class should furnish some good material.

Schedule of Games Played

Date	*Opponents*	*Place*	*Score*	*Won by*
April 6	University of Chicago	Marshall Field	9-2	A. I. T.
April 9	University of Chicago	Marshall Field	4-11	U. of C.
April 11	Northwestern College	Ogden Field	9-3	A. I. T.
April 15	Lake Forest College	Ogden Field	6-0	A. I. T.
April 16	Hillsdale College	Ogden Field	9-3	A. I. T.
April 20	St. Ignatius College	Ogden Field	6-3	A. I. T.
April 23	Physicians' and Surgeons' College	Ogden Field	21-0	A. I. T.
April 25	St. Viateur College	Kankakee	5-6	S. V. C.
April 29	Beloit College	Ogden Field	6-1	A. I. T.
May 1	Knox College	Galesburg	9-1	A. I. T.
May 2	Monmouth College	Monmouth	5-3	A. I. T.
May 8	Albion College	Ogden Field	5-6	Albion.
May 9	Knox College	Ogden Field	3-0	A. I. T.
May 19	DePaul University	DePaul	6-1	A. I. T.
May 20	Monmouth College	Ogden Field	8-0	A. I. T.
May 23	Beloit College	Beloit	7-0	A. I. T.
May 26	St. Viateur College	Ogden Field	3-2	A. I. T.
May 30	Albion College	Albion	7-0	A. I. T.
June 4	DePaul University	Ogden Field	12-4	A. I. T.

Statistics

Games won	16	Runs scored by the team	140
Games played	19	Runs scored by opponents	46
Per cent	.842		



THE MONMOUTH GAME.

Senior-Faculty Game

The Line-Up

Faculty	*Position*	*Seniors*
Leigh	Catcher	Zimmerman
Jacobson	Catcher	
Cornell	Catcher	
Knowlton	Pitcher	Binder
Jacobson	Pitcher	
Dorweiler	Pitcher	Ebner
Smith	First Base	Eaton
Smart	Second Base	
Willard	Second Base	Urson
Knowlton	Short Stop	Busse
Leigh	Third Base	Adams
Libby	Outfield	Myers
Jacobson	Outfield	Webb
Cornell	Outfield	Trinkaus



Of all the athletic events which occur at Armour during the year, there is none which receives the attention and attendance that the annual Senior-Faculty "Farce" does. They call it baseball; but it usually is a combination of musical comedy and ground and lofty tumbling.

Last spring the staid and serious Seniors had a very exciting contest with the equally decorous and solemn-visaged faculty. Our old friend Rochlitz did not hold down first base for the "chalk wielders," although Cornell's and Libby's antics on the initial sack were nearly as funny. At third base Willard was the one best bet; he did stop one grounder—it hit him before he could get out of the way. In the outfield, Smart, Smith and Dorweiler did fast work in muffing flies. Jacobson was the star of the game. He played every position on the faculty team and wanted to try one or two on the Senior team.

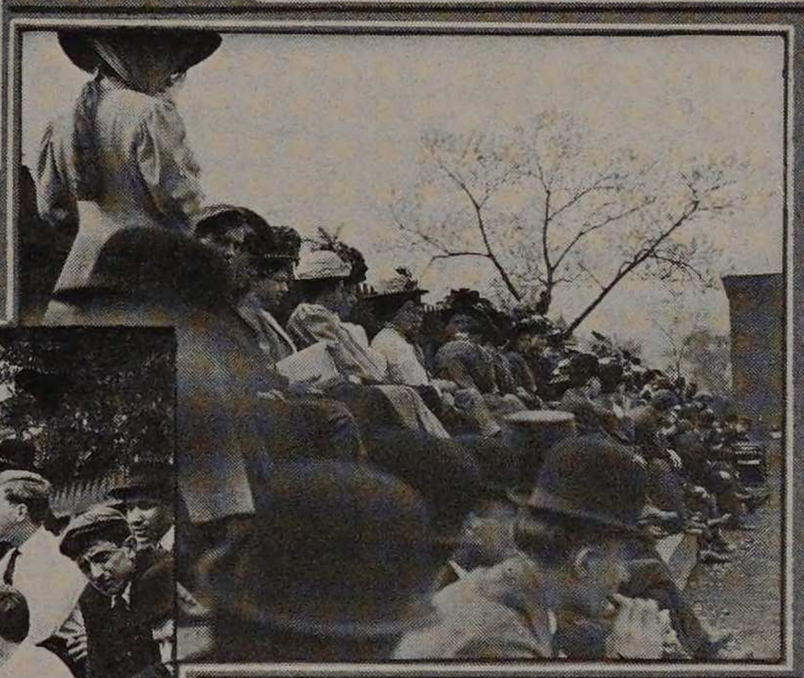
The final score, according to the best reports, was 20 to 9. Most accounts agree in giving the Seniors the victory, although there is some doubt as to the real victor.



SENIOR – FACULTY GAME

















A. I. T.

CAPTAIN
E. V. McKarahan, '09

MANAGER
H. J. Rogers, '10

COACH
Harry McCormack

THE TEAM

G. C. Bristol, '10.....Low Hurdles, Quarter, and Half Mile
H. L. Cheney, '11.....High Jump, Shot, Hammer, and Discus
E. W. Hotchkin, '10.....Low Hurdles
P. G. Downton, '09.....Hammer
J. E. Fitch, '09.....Discus, Broad Jump, and Shot
O. R. Kellner, '10.....Quarter and Half Mile
W. A. Kellner, '10.....Broad Jump, 100 Yard, and 220 Yard
L. L. Powell, '11.....Pole Vault and Mile
O. L. Richards, '10....High Hurdles, Pole Vault, High Jump, and Broad Jump
J. Tregay, '09.....100 Yard and Low Hurdles
G. I. Stadeker, '09.....High Hurdles and High Jump
E. V. McKarahan, '09.....Broad Jump, Discus, 100 Yard, and 220 Yard

SCHEDULE OF MEETS

Date	*Opponents*	*Place*	*Score*	*Winner*
May 2	Northwestern University	Evanston	72-44	A. I. T.
May 9	Northwestern College	Ogden Field	61-56	A. I. T.
May 14	Beloit and Lake Forest	Beloit	67-27-21	Beloit
May 23	Mich. Ag. Col., Wabash	Ogden Field	32-66-19	Wabash
May 30	Knox and Monmouth	Monmouth	35½-37-44½	A. I. T.

The hardest schedule in Armour Track history was arranged, but the team did nobly, and won the Minor Collegiate Championship of Illinois by defeating both Knox and Monmouth on Decoration Day. Armour won two dual and one triangular meets, was second in one triangular, and third in another.

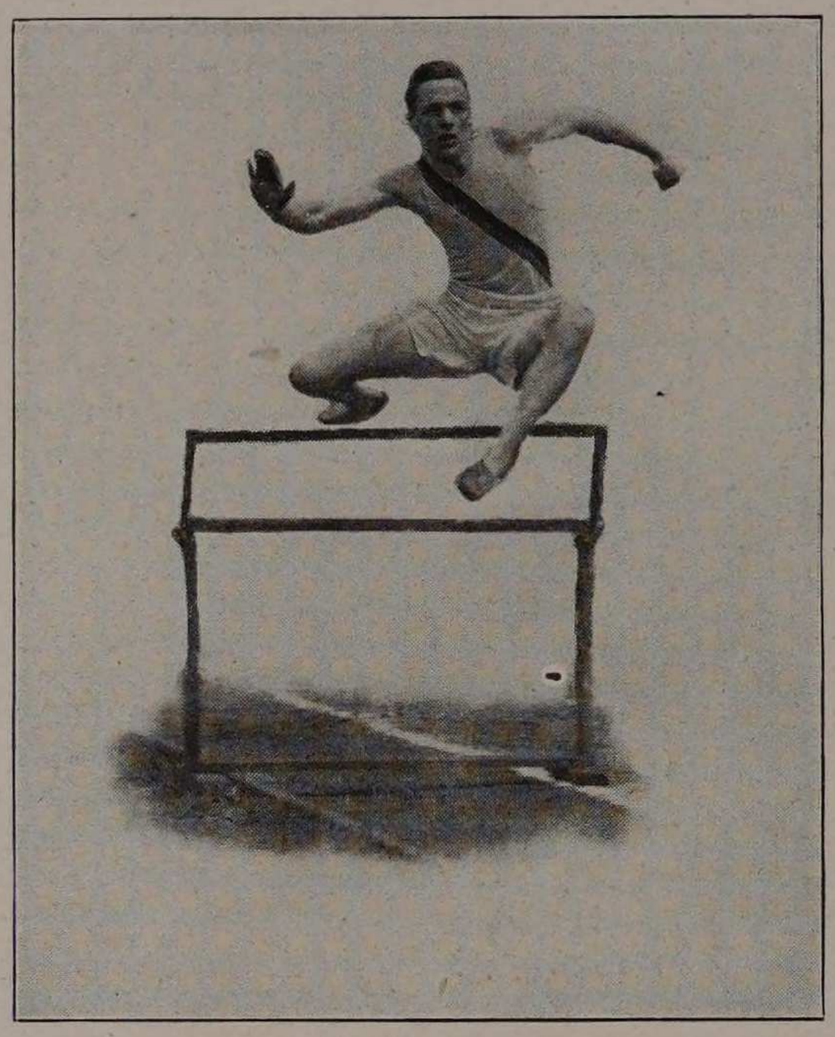
In the Michigan Agricultural College, Wabash, and Armour meet, McKarahan beat Blair of Wabash in the 100 Yard Dash in the time of ten seconds, breaking the Ogden Field track record.

Captain McKarahan was the biggest point winner, with 7 firsts, 7 seconds, and 3 thirds—making a total of 59 points. O. L. Richards made 34½ points, Cheney 24½, Bristol 22, and Fitch 20. Bristol and Powell were seriously injured, but gamely remained with the team.

None of the men graduate this year, and a splendid team should be produced from the old men and many promising Freshmen.



Rogers Richards Powell Staedeker Bristol Fitch McKarahan Hotchkin Kellner Cheney Downton DeWolf McCormack

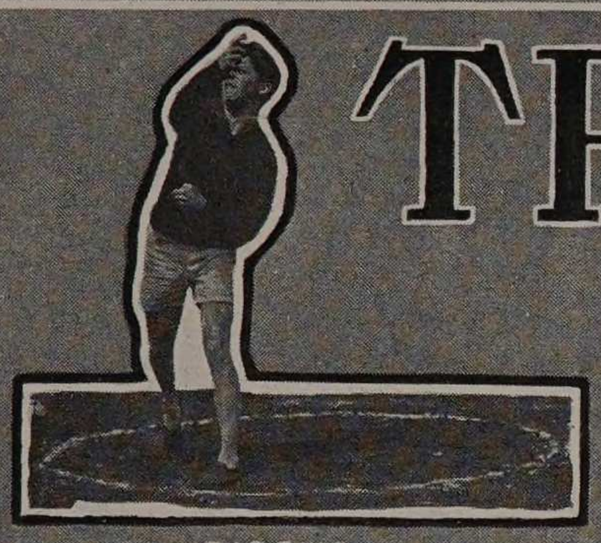


POINTS GAINED BY ARMOUR IN EACH MEET

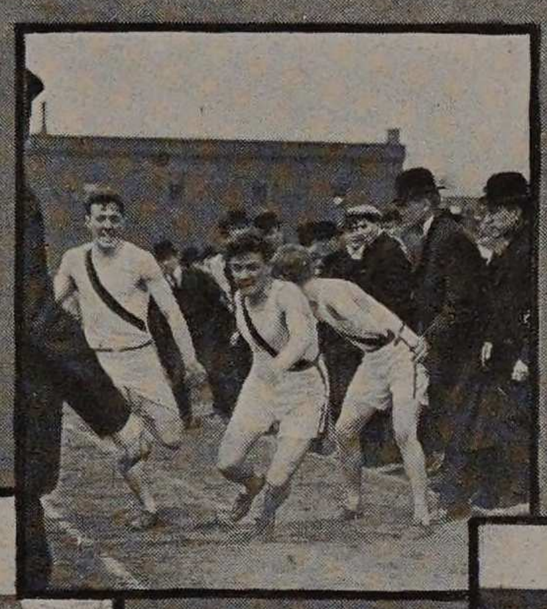
EVENT	N-W. U.	N-W. C.	BELOIT L. F. C.	M. A. C. W'B'SH	KNOX AND MONM'TH	AV. PER MEET
100 Yard Dash	6	3	3	5	5	4.4
220 Yard Dash	3	5	1	3	3	3.0
440 Yard Dash	6	4	1	0	0	2.2
880 Yard Dash	3	6	1	1	5	3.2
Mile Run	5	3	0	0	0	1.6
Low Hurdles	9	6	0	1	6	4.2
Broad Jump	4	6	6	3	6	5.0
High Jump	9	9	8	4	8	7.6
Pole Vault	4	4	0	1	½	1.9
Shot Put	6	6	3	0	4	4 4
Discus	3	4	1	0	6	2.8
Hammer Throw	3	0	0	1	0	0.8



TRACK



—DISCUS—



—RELAY RACE—



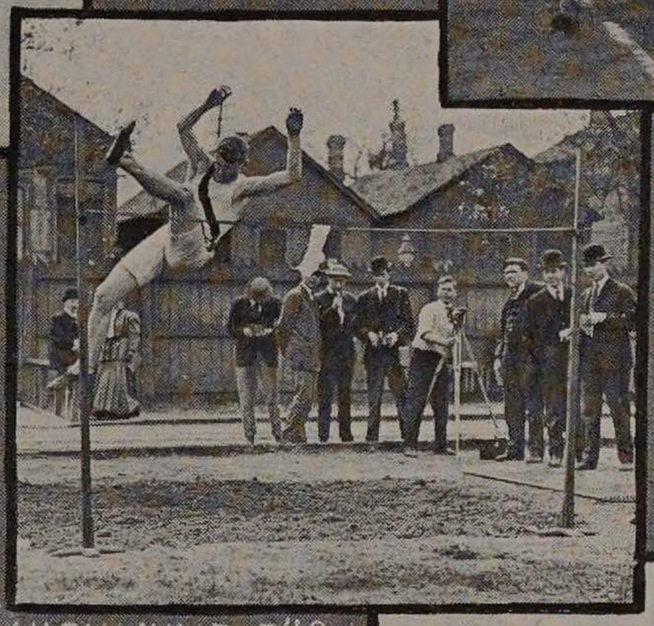
—POWELL'S AIR-SHIP—



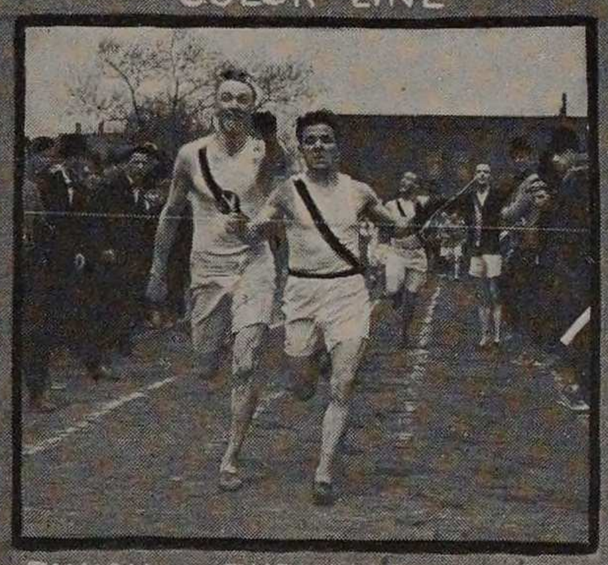
—COLOR LINE—



—RELAY RACE—



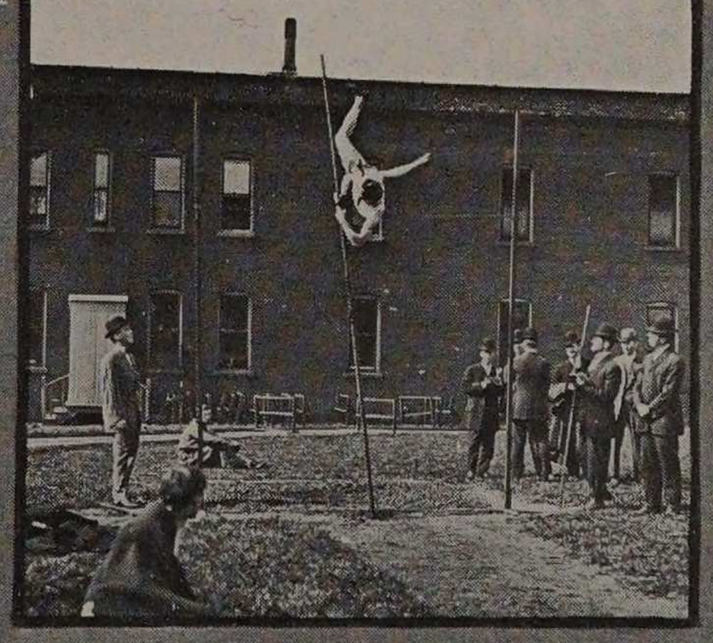
—HIGH JUMP 5'8—



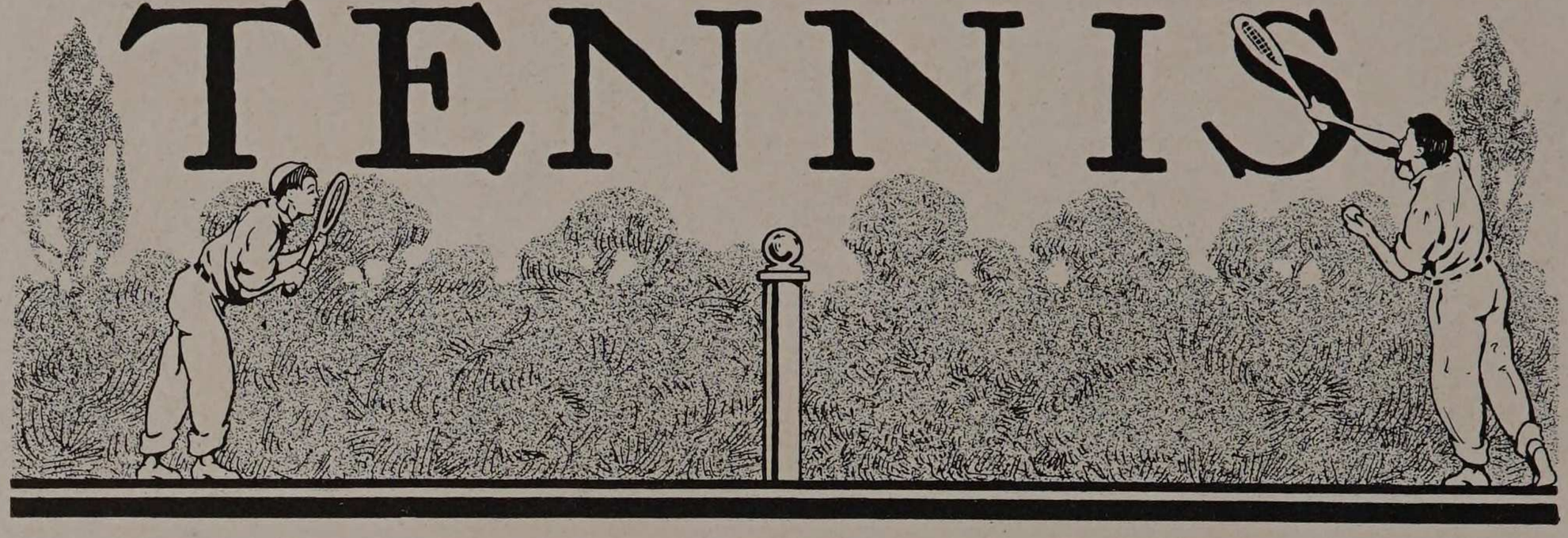
—FINISH OF THE HALE MILE—



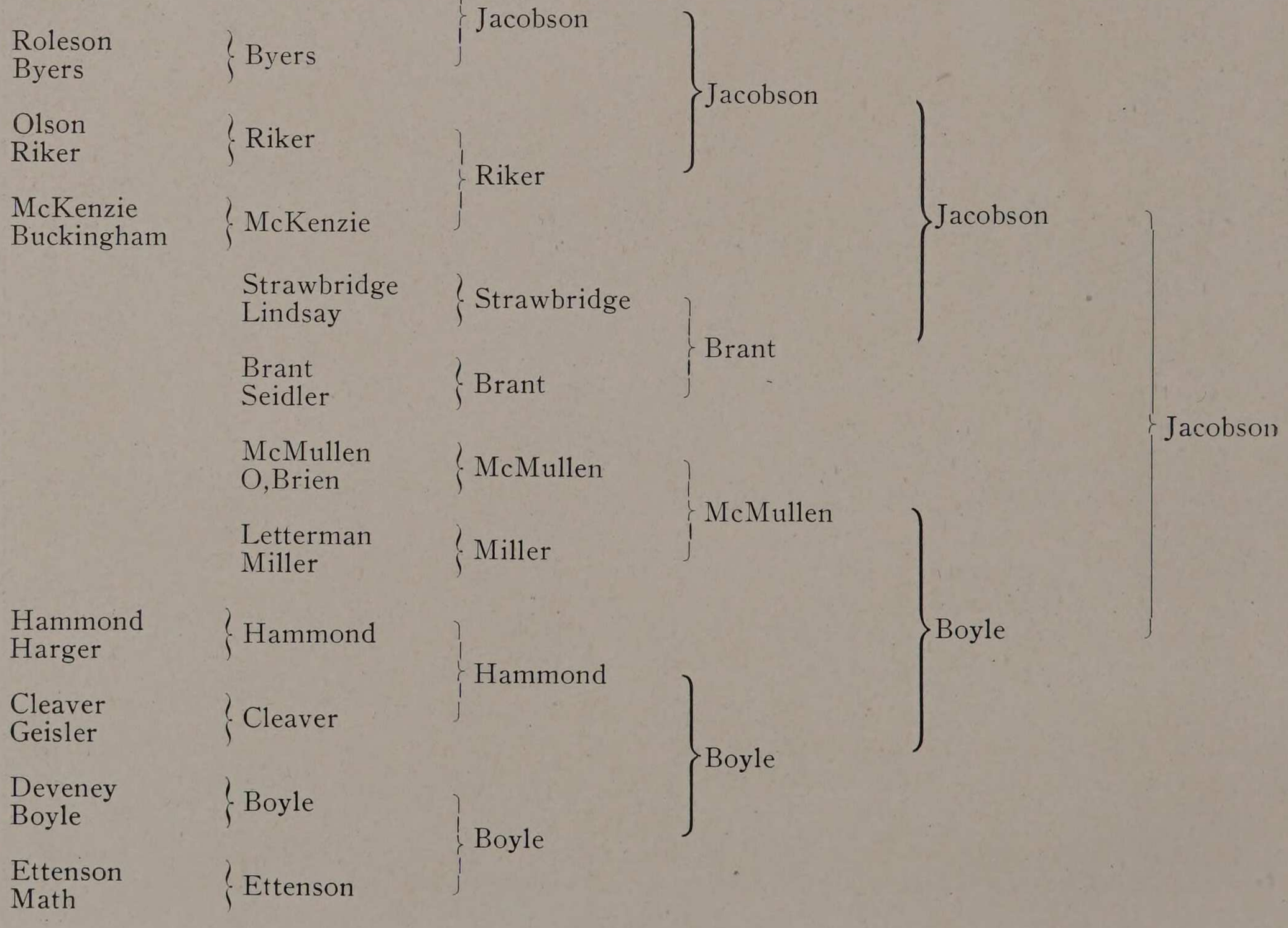
—BETWEEN HEATS—



TENNIS



Mr. J. H. Jacobson, the tennis champion of Armour for the year 1906, again succeeded in capturing the title for 1908, out of a field of no less than twenty-four of Armour's tennis players. The tournament was one of the best that has ever been held at the Institute, and much credit is due to Mr. J. E. Fitch for his capable management. A list of the entries and the matches is given below:



BASKET-BALL



CAPTAIN
H. E. Beckman, '09

COACH
T. F. Cornell

MANAGER
W. F. Conlin, '09

THE TEAM

F. J. Urson, '09	Right Forward	H. E. Beckman, '09	Left Guard
R. L. Eliel, '10	Left Forward	A. B. Beach, '11	Right Guard
R. W. Johnson, '09	Center		

THE SUBSTITUTES

H. L. Cheney, '11	Guard	J. E. Fitch, '09	Forward
T. J. MacKenzie, '11	Guard	R. Drew, '12	Forward
E. Vynne, '10	Forward	J. K. Mabbs, '11	Forward

THE GAMES

Nov. 17, '08	Armour Institute....37	Englewood H. S.	17
Nov. 25, '08	Armour Institute....36	Wheaton College	23
Dec. 11, '08	Armour Institute....42	Northwestern College	31
Dec. 18, '08	Armour Institute....20	Notre Dame University	46
Jan. 9, '09	Armour Institute....16	Northwestern College	31
Jan. 16, '09	Armour Institute....26	Lake Forest College	38
Jan. 20, '09	Armour Institute....18	Lewis Institute	38
Jan. 22, '09	Armour Institute....35	DePaul University	15
Jan. 30, '09	Armour Institute....10	Beloit College	27
Feb. 5, '09	Armour Institute....46	Lake Forest College	23
Feb. 9, '09	Armour Institute....14	Lewis Institute	35
Feb. 13, '09	Armour Institute....25	Wheaton College	29
Feb. 25, '09	Armour Institute.... 8	Notre Dame University	21
Feb. 26, '09	Armour Institute.... 7	Michigan Agricultual College	51
Feb. 27, '09	Armour Institute....24	Hope College	40
March 10, '09	Armour Institute....19	DePaul University	42
March 12, '09	Armour Institute....35	Beloit College	25

The Basketball season of 1908-1909 was not as successful as we had hoped for. But this may be partially explained by the high class teams that were played, the hard schedule that was carried, and the fact that the team was crippled by flunks and injuries in nearly every game of the season. As it was, a fair percentage of games was won.

Of the old men, Captain Beckman, Urson, Johnson, and Eliel were back. Beach, a sophomore, made "Trink's" place. The team was very unfortunate in losing Urson and Eliel on account of injuries. The men played hard, consistent ball, but to Captain Beckman the most credit is due. The players who graduate this year are: Beckman, Johnson, Fitch, and Urson.

The feature of the "Tech" Basketball season was the whirlwind trip taken near the close of the schedule by the team. On Feb. 25, Notre Dame was played; on Feb. 26, Michigan Agricultural College; and on Feb. 27, Hope College.

The substitutes, Cheney, Vynne, Drew, Mabbs, Fitch, and MacKenzie, showed their worth and played first-class ball.



JOHNSON MABBS CHENEY
BEECH MACKENZIE DREW
CORNELL VYNNE BECKMAN FITCH CONLIN

Basket-Ball Statistics

FIELD GOALS

Beckman	46	Fitch	9
Johnson	27	Drew	6
Eliel	26	Vynne	4
Urson	21	MacKenzie	2
Beach	11	Mabbs	1

FREE THROWS

Beckman	72	Percentage	.440
Cheney	27	Percentage	.457



This year, as well as the three years previous, the '09 team showed their strength in the bowling line, and for the fourth time in four years carried off the honors. This year the class of '09 made a runaway match of it, never having been headed, and finished with the good record of only 4 games lost to 23 won, giving them a per cent of .853.

The Sophomore team finished second, the Junior team third, and the Freshman team last. The '11 team made a marvelous improvement over last year, when they won 3 games and lost 24, with a per cent of .111; this year they won 16 games, lost 11, with a per cent of .593. The tournament was held at the New Illinois Athletic Club on Michigan Avenue.

THE COLLEGE TOURNAMENT

MANAGER

H. E. Moyses

CLASS MANAGERS

1909	1910	1911	1912
H. E. Moyses	W. G. Jens	P. F. Miller	C. W. Garrison

THE TEAMS

1909	1910	1911	1912
H E. Moyses	G. W. Buck	A. E. Bredlau	C. W. Garrison
E. B. Crane	H. J. Rogers	E. Mandler	A. W. Schwane
H. C. Smith	W. G. Jens	L. D. Kiley	R. Neufeld
E. V. McKarahan	T. E. Gentry	P. F. Miller	A. M. Niemz
A. C. Riker	W. J. Neville	L. B. McEwing	M. Peiser
F. J. Urson, Jr.	G. A. Shafer	E. J. Schmidt	S. F. Kosters
	R. E. Strawbridge		

STANDING OF THE TEAMS

Team	*Won*	*Lost*	*%*	*High Score*	*Average*
1909	23	4	.853	872	775
1911	16	11	.593	827	708
1910	11	16	.408	886	716
1912	4	23	.148	742	...

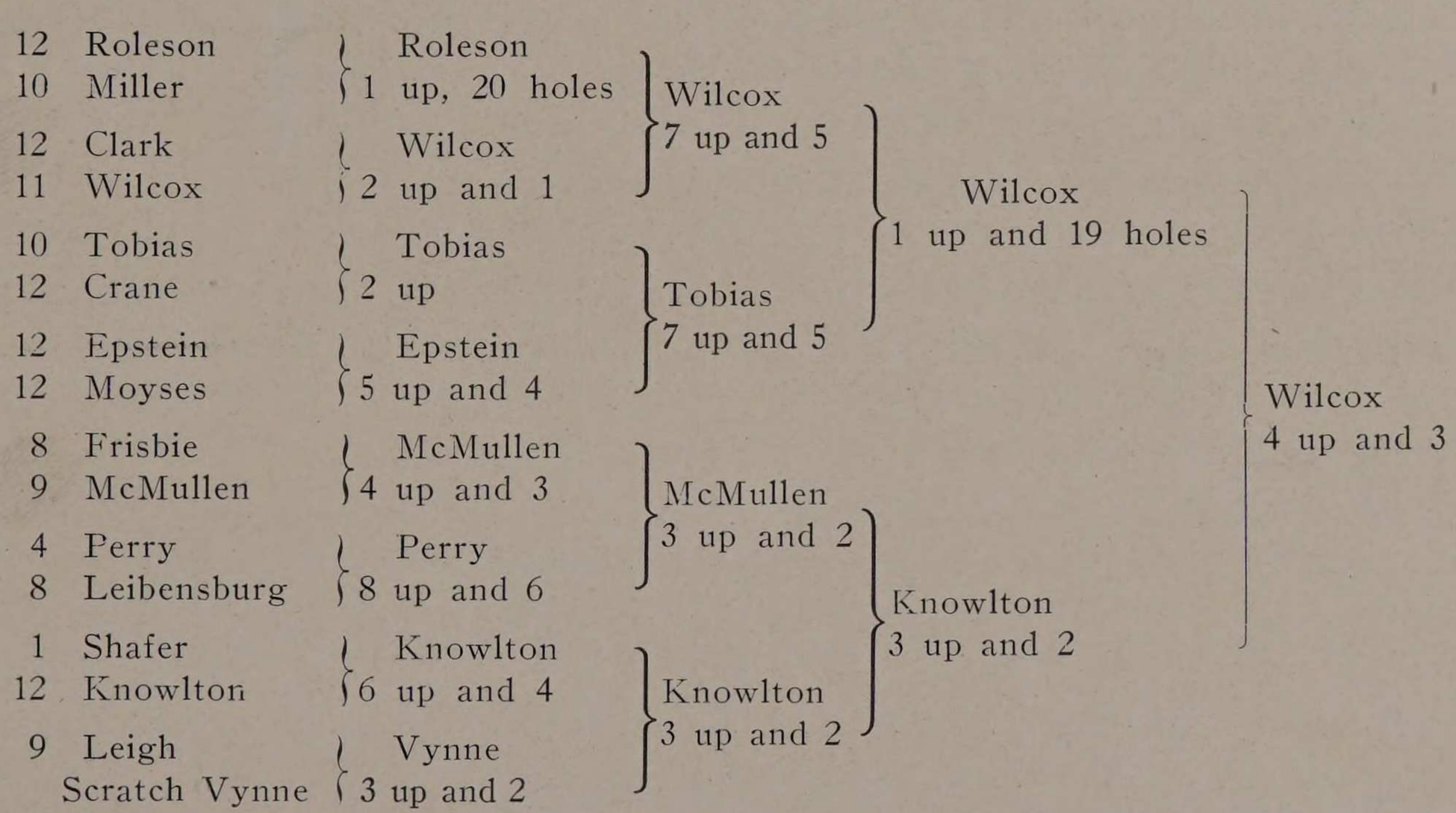
200 SCORES.

Riker, '09—255, 209, 200.
Neville, '10—200, 202, 221, 201.
McEwing, '11—211, 200.
Crane, '09—200.
Gentry, '10—230.
Smith, '09—213.
McKarahan, '09—202.
Miller, '11—201.
Jens, '10—199.

The Golf Tournament

The fall golf tournament, which was held on the Jackson Park course, proved to be a great success. The committee in charge consisted of Tobias, Shafer, and Prof. Leigh. Sixteen men were entered, and their handicaps ranged from Vynne, scratch, to several twelves.

The Physics Department had the tournament well in hand, as Wilcox (aided by a well-regulated crib of eleven strokes), was the victor, and Knowlton the runner-up. No doubt these gentlemen made exhaustive research into the theory of elastic and inelastic impact, and performed numerous experiments on this interesting subject in the Physics Parlors before the tournament started. Whoever could beat out Watson at his own game, anyway?



Chess Review

By "Hoyle Jr."

In October, 1908, the "chess bug" got in the ear of Chapin Club and buzzed and buzzed. As nothing had been done with chess in the club except the haphazard playing of games and no rules were adhered to, it was hard at first to get anything started. Finally with the sanction of the club's president an elimination tournament was started.

It was thought by several of the members and players that this method (lose two games, drop out) was not giving each and every player a fair chance, so Armour's first real chess tournament was started on a percentage basis. The small number of players who enrolled disappointed the management, but taking the optimistic view that the next tourney would be larger, play was started. Nine players—Gonzalez, Hutchings, Brown, Egloff, Zimmerman, Crane, Howell, Aldrich and Bloomfield—entered and played. The first four men finished in the order named, Crane being the fifth. Chapin Club now had a chess team of four men and a substitute, and Aldrich was given the position of manager.

As a chess tournament with Lewis had been arranged for February 19th and 20th, and it was desired to have a team representative of the Tech., a tournament was arranged between the teams of the Engineering societies and the Chapin Club team. This match was also on the percentage basis. The Engineering team consisted of Crane, Mayes, Heim and Zanzig. Gonzalez of Chapin Club quit school at this time, thereby throwing Crane on both teams and hence on the championship team. About two weeks later Brown of Chapin Club resigned from the team on account of outside work, and Egloff of Chapin Club quit school. By the time all this had happened the engineering team had the tournament all their own way. Thus Chapin Club met defeat and the Armour chess team was made up from the Engineering Societies as follows: Mayes, Crane, Heim, Zanzig, Hutchings substitute, and Aldrich manager.

Matches have been arranged for the Armour team with the Central Y. M. C. A., at the Y. M. C. A., and with the University of Illinois, at Champaign, the latter to be played the first week in April. Matches are also being arranged for with Lake Forest University, University of Wisconsin, and Northwestern University.

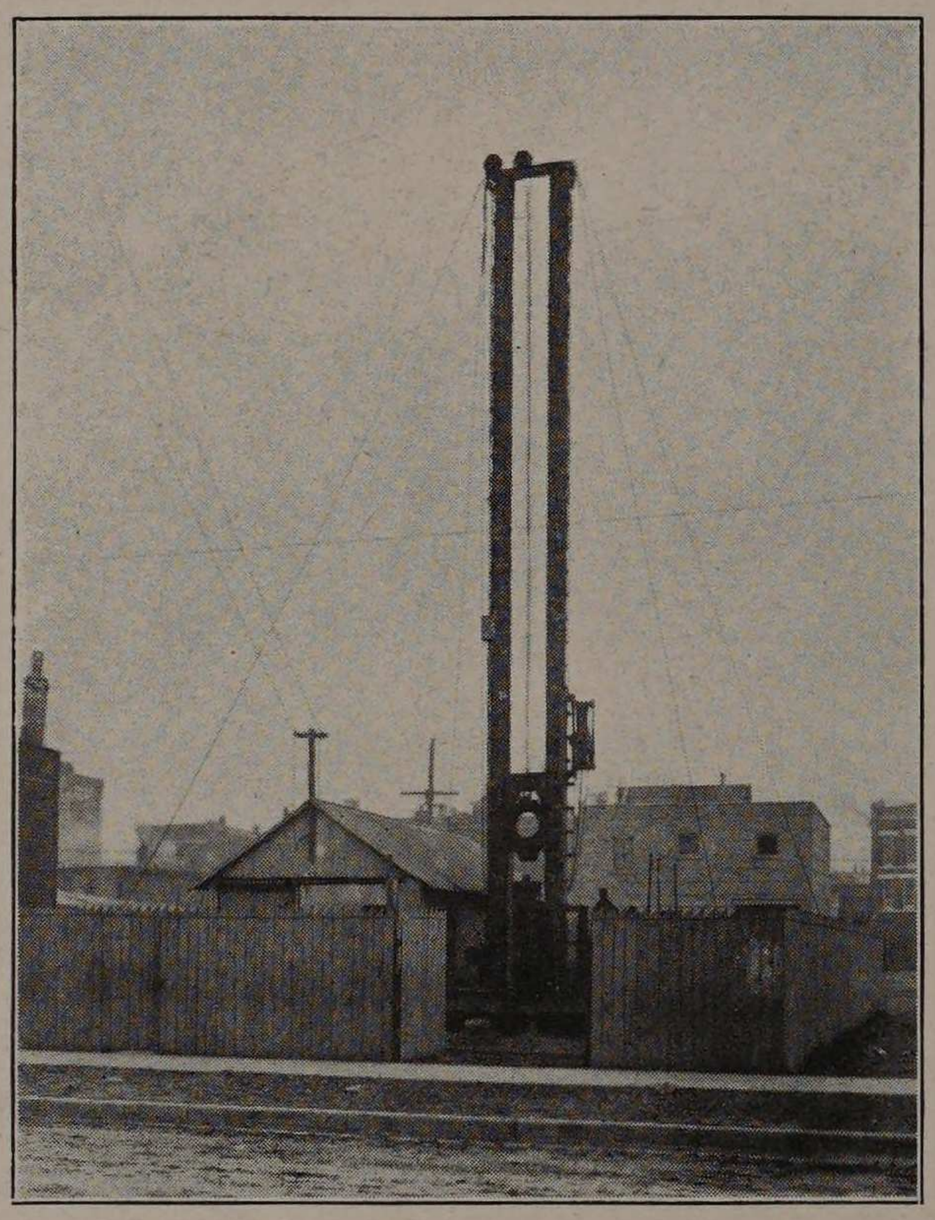
Checker Review

The past year has been the most successful year that "checkers" has ever had at Armour. Besides the old checker club of the Y. M. C. A., another club was organized in the beginning of the year, composed of members of the Chapin Club. These two teams will meet in the near future in a tournament for the championship of Armour Institute.

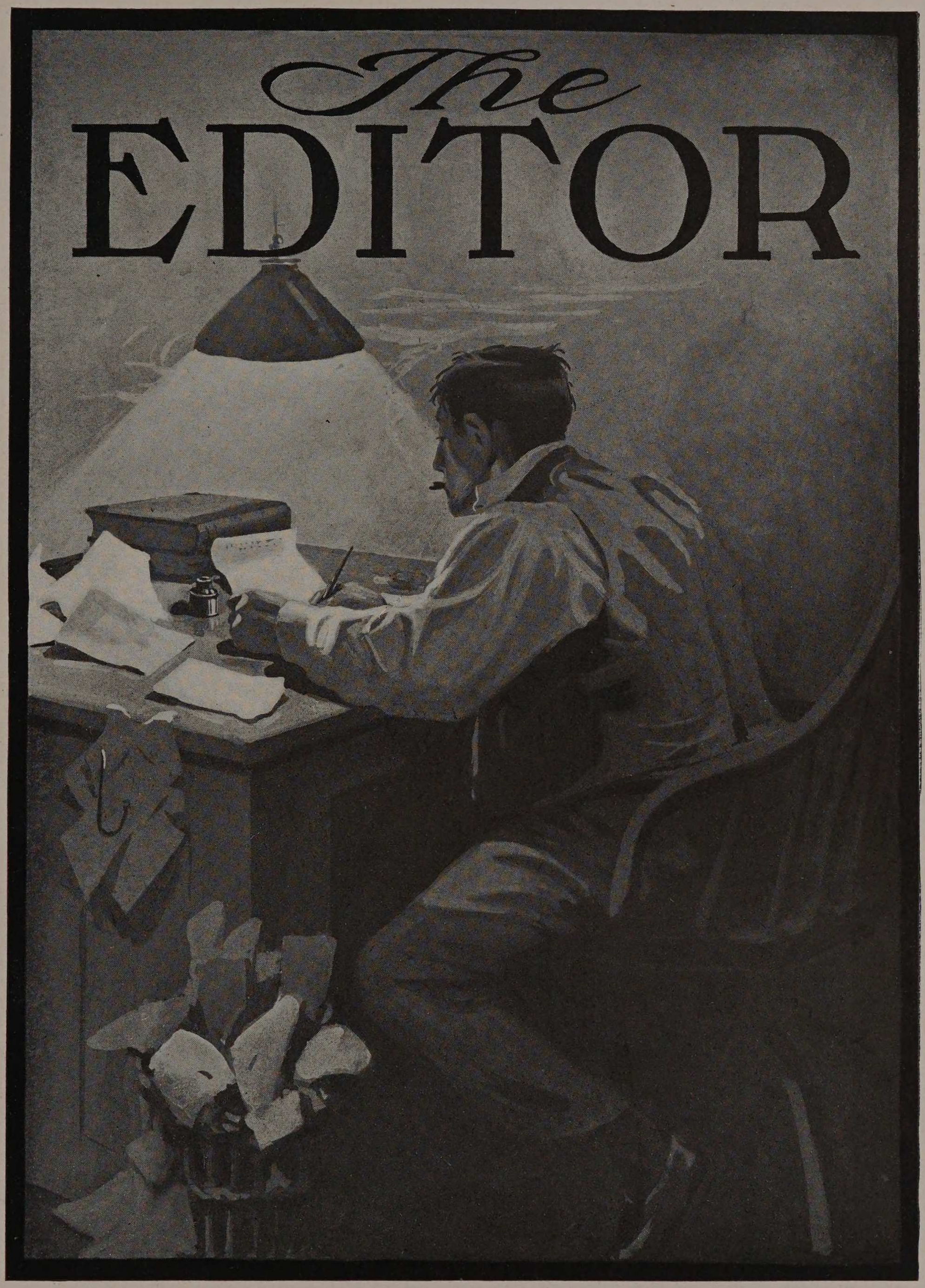
At the beginning of the school year the Y. M. C. A. Checker Club, of which Harry Moyses is president and G. H. Emin secretary and treasurer, started a tournament open to all students in Armour Institute. The purpose of this tournament was to pick four men to represent Armour in meets with other schools. The following men were successful in making the team: H. Moyses, E. H. Stillman, F. E. Barrows, G. H. Emin, and substitutes W. S. Oberfelder and M. C. Anderson. Mr. G. H. Emin was elected manager of the checker club.

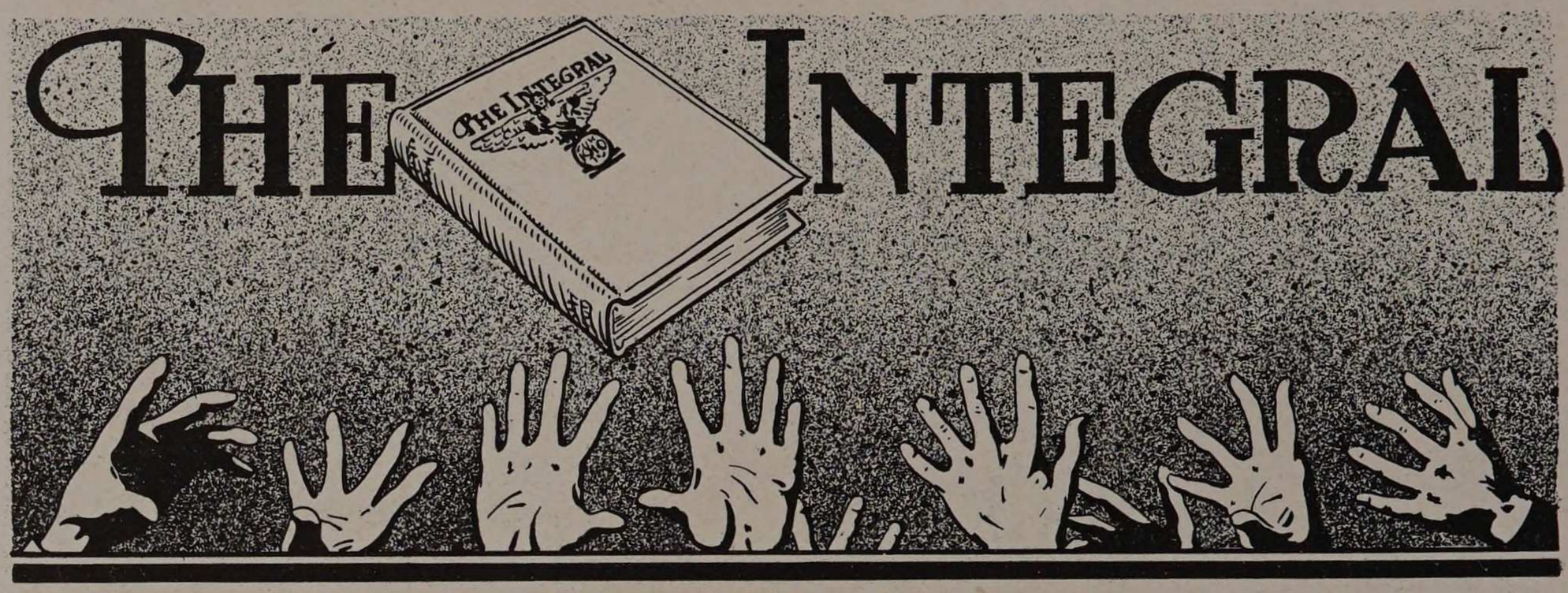
On February 26, 1909, Armour played Lewis Institute, decisively beating them by a score of 61½ to 19½. Mr. Barrows of the Armour team secured the only four-man jump and Mr. Emin of the same team got eighteen three-man jumps. On March 28, Armour was beaten by the Central Y. M. C. A. by a score of 35½ to 14½. This team made a very creditable showing, inasmuch as the Y. M. C. A. team were composed of men considerably older than our men and many of our men were out of form.

Tournaments were arranged with Illinois and Wisconsin Universities, but for some reason or other they were not played. The team, however, expect to play against Lake Forest University and Hyde Park Y. M. C. A. On May 5th a tournament will be held for the medal to be awarded to the best checker player of Armour Institute.



THE DROP TEST


The
EDITOR



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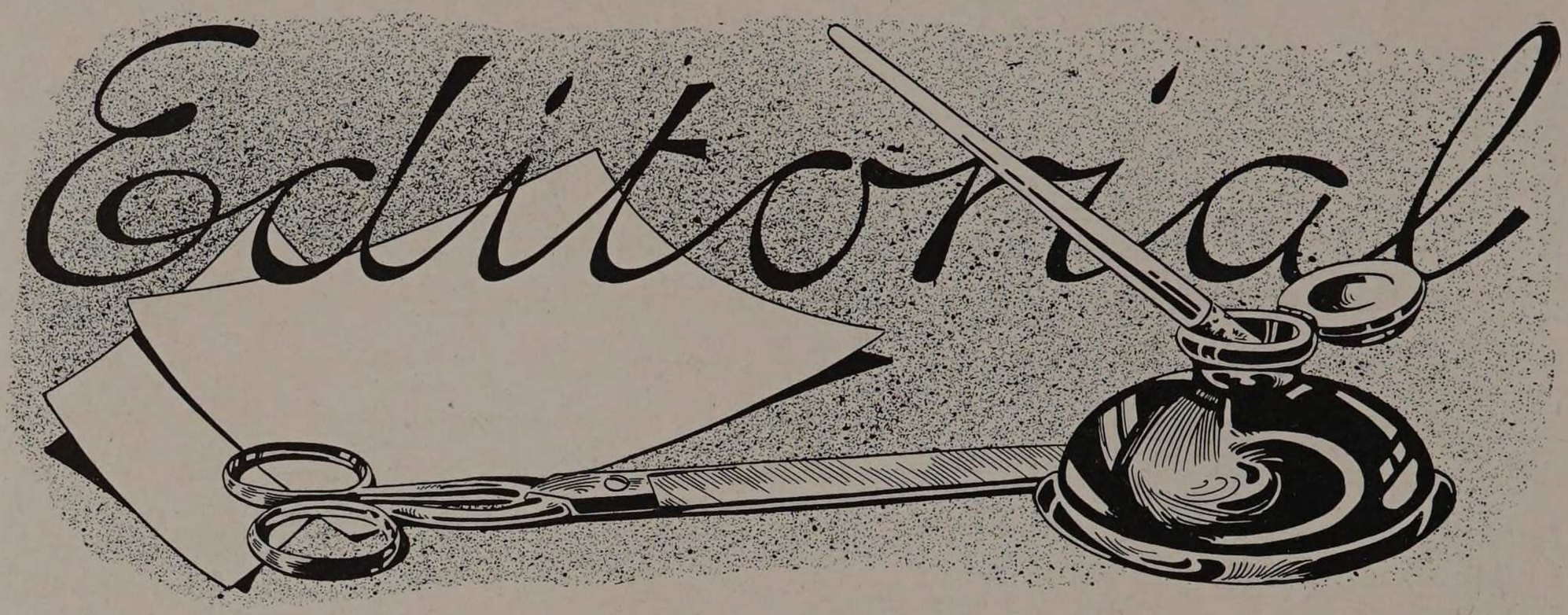
R. S. KLOMAN



N. KIMBALL



J. G. HATMAN



Integral making at Armour, in the ten editions which have preceded this one, has stayed fairly well in the same groove. Each issue contains the same departments, in the same order, and usually in the same general dress. This is commendable in so far as it lends a facility in finding what one is looking for without the necessity of looking through a tiresome index. This year, however, after some discussion, the Board of Editors have made a few changes in the "make-up" of the Integral and trust that they are for the better.

The Armour Institute of Technology is essentially a college of engineering, and while it has in conjunction a very efficient and well-spoken-of preparatory school, the students in the college have long resented the loose line of demarcation which divides the academy from the college. College Freshmen play on academy teams—Academy men wear an "A" on their jerseys which is often mistaken for the "A" of the college. In short, our friends have doubts as to whether we are attending a preparatory school or a college. In view of these facts the Integral has seen fit to collect all of the data that was presented to it from the academy and place it in a section by itself instead of scattering it through the book hand in hand with the chronicles of college life, as has been done previously.

* * * * * * * * *

In our busy life at Armour criticism is often made of the lack of the spirit which is so common to institutions of learning in this country. This deplorable condition, if it exists, has been laid to many things:—the long hours—the absence of a dormitory system—the location in a great city—and even that we of Armour are molded of a different clay than are the students of other colleges. The Integral has no solution of the difficulty to offer, but it certainly cannot be effected by the efforts of the student body alone. If such a spirit is desirable (from a student view point it is surely a boon) the faculty or the authorities of

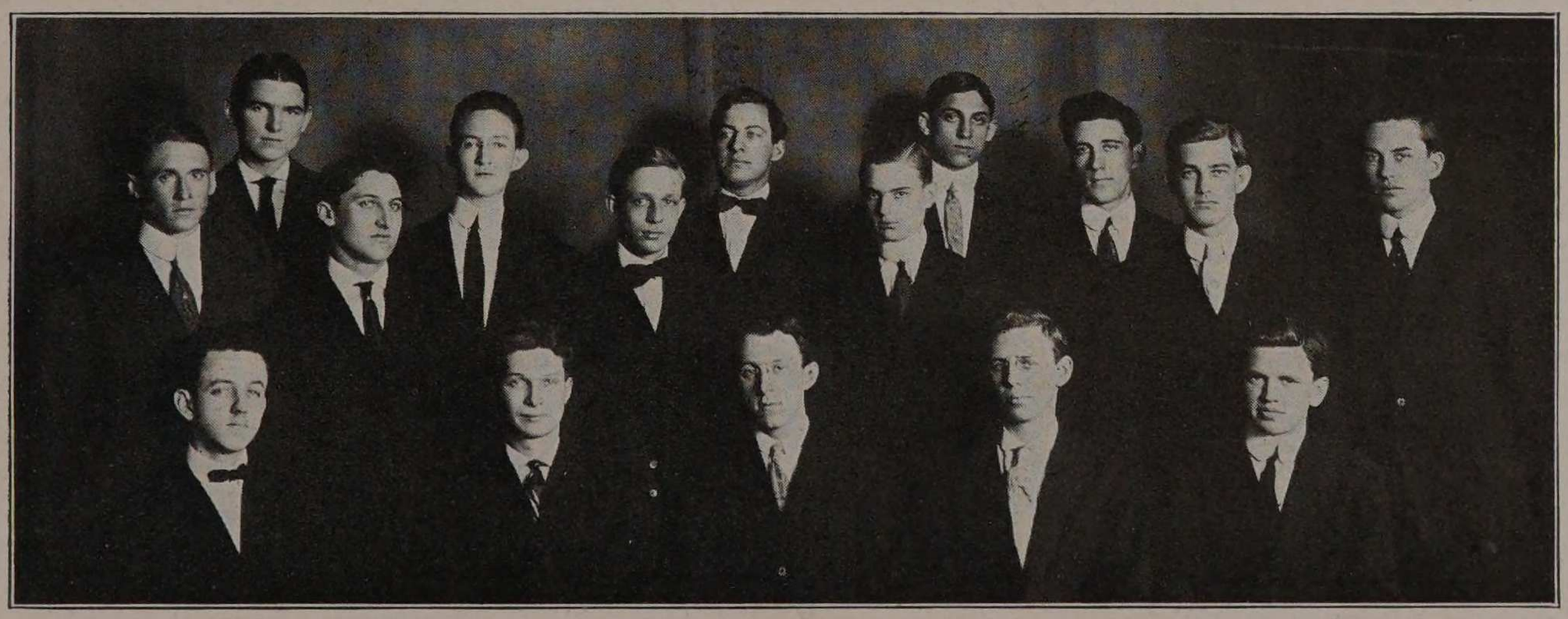
the Institute can do more toward furthering it, by making some of the iron-clad regulations a trifle more elastic, than can be done by all the screeds which have appeared in the "Fulcrum" or "Integral" for some time.

* * * * * * * * *

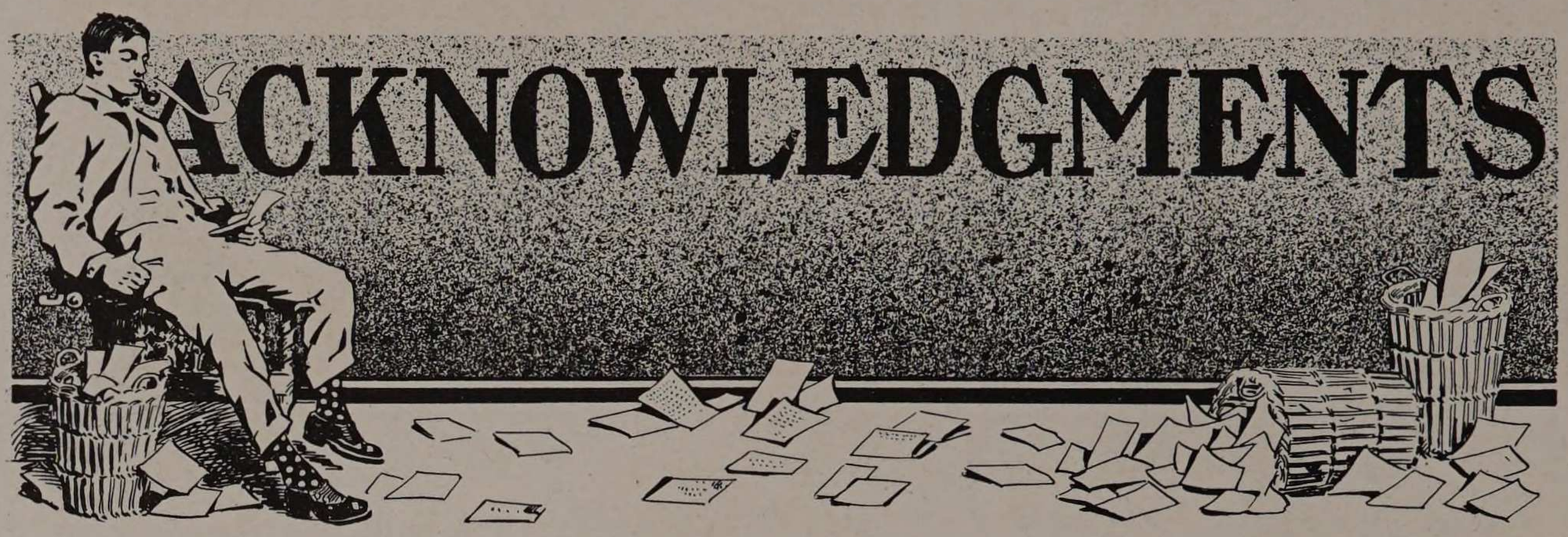
In publishing a book of this character the Board of Editors are in a position to feel the lack of interest on the part of some students at the Institute in any work except that which tends to benefit them directly. It is not only in the failure to support student enterprises that this state of mind does its greatest harm, but also in the added work and worry it causes the Institute authorities, to say nothing of the mud these people throw at the good name of the Institute. The man who has no interest in any work but that which is for his own betterment usually has a "hammer" handy for the work of others as well as for the school, students and instructors. The man at Armour who is full of love for his Alma Mater is not the mercenary person who comes to college to buy an education as he would a new hat or a pair of shoes.

* * * * * * * * *

Between the covers of this book will be found not a few personal references, some flattering and some otherwise. If we have hurt your feelings by an arrow a trifle too sharp, we apologize; but we have not meant to make you angry and you should take our feeble attempts at humor good-naturedly. We have refrained from printing all the things we know about everybody and have "blue-penciled" much that was handed to us about you. We think that we have taken you up tenderly, handled you on the end of our pen with a gentle Spencerian movement. Now please don't be offended. We promise not to do it again.



Geisler Kloman Anderson Pashley Hatman Van Slyke Shedd Lawson
Walther Kimball Weart
McCune Wernick Smith MacEwing Howenstein



ACKNOWLEDGMENTS

Of all the tasks which the making of a college annual involves we know of none more pleasant than this. It is good to know that we have friends—friends who have sought to make our burdens lighter, to cheer us up and on when we felt like giving it all up as a bad job.

What we owe John Morton and Gordon Osborn, who have furnished us with the illustrations which adorn this volume, is beyond our power to calculate.

We acknowledge our indebtedness to those of the faculty who have overlooked our sleepy recitations after nights of "integrating," and winked at our absences.

To all our friends we acknowledge our debt, and more especially to the following:

Dr. F. W. Gunsaulus,
Dean H. M. Raymond,
Dean L. C. Monin,
Mr. F. U. Smith,
Mrs. Julia A. Beveridge,
Mr. John E. Lind,
Mr. H. G. Clasen,
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Mr. R. J. Johnson,
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With but few exceptions all the art work was done by Messrs. Morton and Osborn. J. J. Johnson was the photographer. The Inland-Walton Engraving Co. made the engravings. And the book was printed and bound by the Kenfield-Leach Co.

THE ARMOUR ENGINEER



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If for no other reason, the present year at Armour will always be remembered as the one in which "The Armour Engineer" was born. Armour has long needed a journal which would chronicle the engineering efforts of Armour alumni and undergraduates in a better manner than was possible in the "Technical and Literary" of the Fulcrum. This desire has resulted in the publication known as The Armour Engineer, which will devote its pages to engineering topics exclusively.

The first issue of the "Engineer" augurs well for its future. Press notices, especially from the older established journals of engineering, have been very flattering. The Integral extends a hearty greeting to the new publication and predicts a successful career for it.



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September 30th, 1908, witnessed the first edition of Volume XII of The Fulcrum, and in order to make it, as nearly as possible, a truly typical college publication the following four principles were formulated at the start and adhered to throughout the year: First. To produce a publication that would represent *every department* of Armour Institute of Technology. Second. To establish a closer relationship between the Tech. and the Chicago School of Architecture at the Art Institute; third, to make it a newspaper, and fourth, to place The Fulcrum on an even higher plane, as viewed from a literary and artistic standpoint.

The advent of The Armour Engineer causes a change in the policy of the paper, in that the space, which was formerly dedicated to the publication of technical articles, could be utilized in other directions. Various articles appeared throughout the year on literature, art, science, hygiene, law, etc. In addition to these, there was published news of the school, the societies, the alumni, social, athletics, and jokes, besides one full department given up to Art Institute affairs.



SMITH STILLMAN

BABCOCK BRUCE KILEY MENKIN VARGES

MERRIMAN HILLS AHERN BOLTE

For the most part, contributions were received from the students and faculty; articles not procurable in this way were obtained from outside sources.

Desiring to stimulate literary activity among the student body, The Fulcrum offered prizes for stories, which appeared from time to time in its columns. Being also the first staff to number among its members a staff photographer, no expense was spared in illustrating the book whenever such illustrations would add interest to the subject matter.

All in all, we have put forth our very best efforts to edit a Fulcrum which, by its literary excellence and the completeness with which each of its departments has been kept up, would meet with the highest commendation of the student body, and, although realizing that we have not wholly come up to our ideals, we feel confident that we, in our turn, have also added to the high standard of The Fulcrum.

JOHN F. AHERN.



ACADEMY





Armour Scientific Academy

Class of 1909

COLORS: *Maroon and White*

YELL: *Physics Lab! Machine Design!*

Armour Academy, '09!

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A. MOELLER



ARMOUR SCIENTIFIC ACADEMY—SENIOR CLASS—1909

History of the Senior Class

In September, 1906, there entered into Armour Scientific Academy as motley a crowd of freshmen as has ever been seen, but, through the efforts of Mr. Wald as president, and Mr. D. L. Weart as vice-president, they were quickly organized into a strong class. During the first year the class not only showed unusual ability in athletics, but also kept up a high standard of scholarship.

During the second year not as much class spirit was shown as during the first. Yet, under the leadership of Messrs. Lobdell and Berinstein, the class organization was maintained. As most of the members of the class were taking the three year course, many subjects had to be taken up during that year, and this fact may account for the lack of class spirit. Nevertheless, the class captured the track championship, and most of the members of the Academy teams were '09 men.

During the senior year we were brought together again in closer class relations and with more enthusiasm through the tireless efforts of Mr. Amend as president and Mr. Berinstein as vice-president. After long debating, class pins were chosen, and other matters of "extreme" importance were attended to. The class still lives up to the high standards of scholarship and athletics of the first year of its attendance at "Armour."

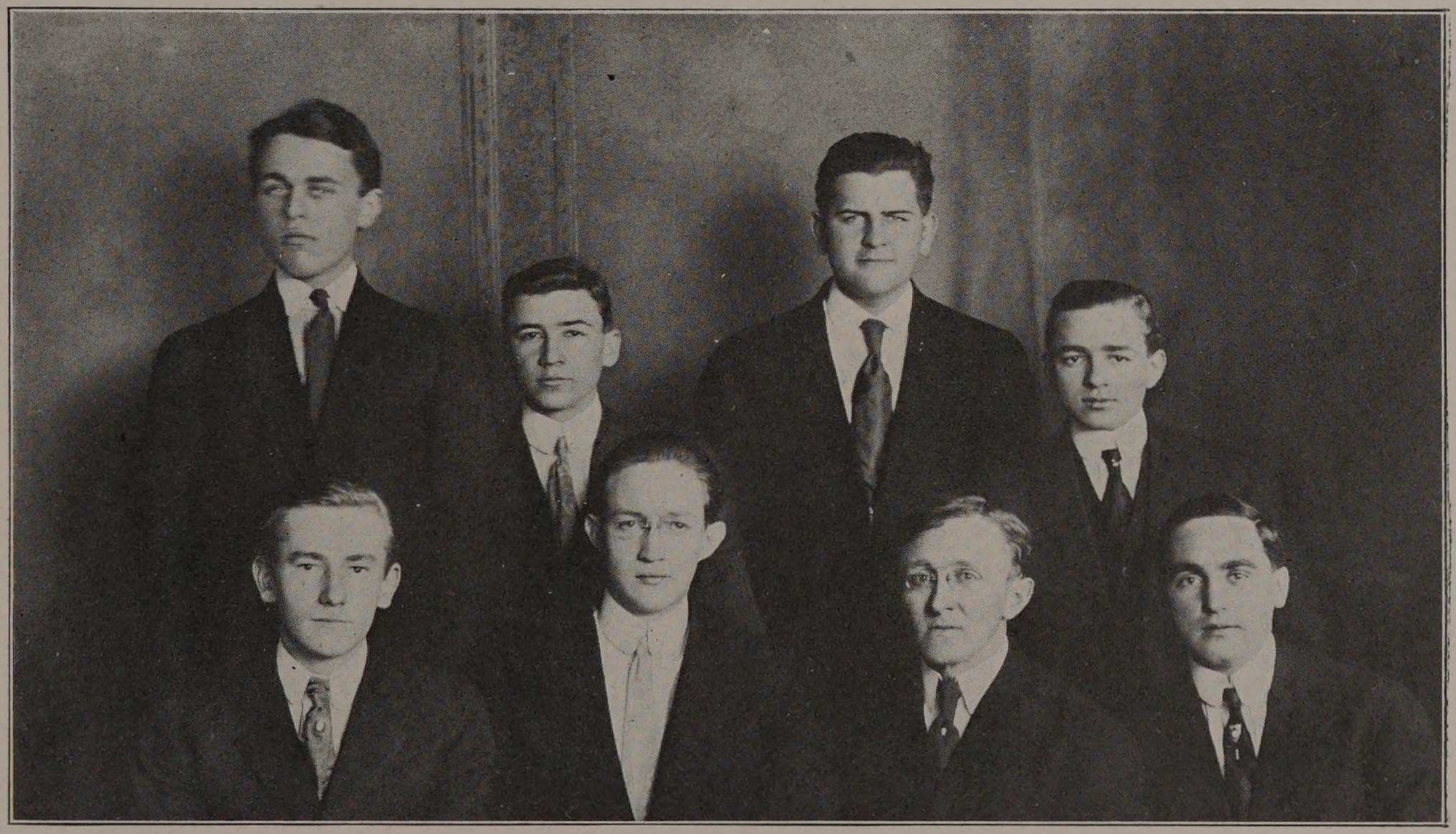
During the three years of our connection with the Academy, we lost a comparatively few number of students, but later arrivals brought with them as loyal and as enthusiastic a spirit as could be desired; so it is almost with regret that we leave the Academy in order to begin the strenuous life of the college student.

The Triangle Club

The Triangle Club of Armour Scientific Academy was founded May 29, 1907, by Orville Bright, George Anderson, Lincoln Maher, Walter Graff, and Charles Grove, the original object being "to unite in friendly bonds those students of the Armour Scientific Academy who deserve the honor." The constitution was accepted and approved by the Council of the Armour Institute of Technology, and it was understood from the start that the club was to have the support of the institute. A few members were admitted before the closing of school, bringing the membership up to about ten. The next fall, however, the organization started active work and before the end of October there were twenty-seven members. These members comprised the most prominent men in the academy along the lines of scholarship, school activities, and athletics, although no specifications as to membership were made at that time.

Six men were left to begin the work in the fall of 1908. For a long time the idea of making the Triangle Club something more than a mere social organization had been growing. Plan after plan was cast aside, until the idea of making the club an honorary society was brought up. This met with the instant approval of the members and the support of Professor Monin. A constitution was drafted and after some difficulties was finally passed on the 8th of January, 1909, making the Triangle Club an Honorary Society in the Armour Scientific Academy. The plan is as follows: Each semester at a regular business meeting, the active members select from among the prominent men in scholarship, school activities, and athletics, a certain number whom they deem the most deserving of the honor. Each month the club holds a social meeting at which some prominent man addresses the club members.

It is believed that this is the only organization of its kind in a preparatory school in America, and it is hoped that with the support of the school and the loyalty of its members, it may become one of the greatest influences for good and high ideals in preparatory schools.



THE TRIANGLE CLUB



Academy Baseball

Spring of '08

CAPTAIN
W. J. CORBOY

MANAGER
J. B. SCARBOROUGH

COACH
C. W. LEIGH

THE TEAM

Members	*Position*
W. J. CORBOY	Field and Catcher
Q. C. CHIU	Catcher
R. L. LANGFORD	Pitcher
C. WARES	First Base
G. W. ABEL	Second Base
J. L. HALES	Third Base
L. MERILLAT, JR.	Short Stop
C. A. BAUMBERGER	Outfield
R. E. BURR	Outfield
J. FUREY	Outfield
W. RAY	Outfield



Academy Baseball Team—1908



SCHEDULE OF GAMES PLAYED

Date	*Opponents*	*Place*	*Score*	*Won by*
April 4	R. T. Crane High School	Ogden Field	2-4	Crane
April 7	Lake View High School	Ogden Field	12-7	Armour
April 11	La Grange High School	La Grange	13-4	Armour
April 14	Hyde Park High School	Ogden Field	5-4	Armour
April 22	Lake Forest Academy	Ogden Field	17-1	Armour
April 25	North Division High School	Ogden Field	2-4	N. D. H. S.
April 29	Evanston Academy	Evanston	8-7	Armour
May 1	Oak Park High School	Oak Park	1-0	Armour
May 6	Morgan Park Academy	Ogden Field	11-9	Armour
May 9	Benton Harbor High School	Ogden Field	14-5	Armour
May 16	Lake Forest Academy	Lake Forest	12-8	Armour

"A" Men in the Academy

TRACK

HOLDEN

WALDRON

LANGFORD

SCOTT

ANDERSON

WEBSTER

EGLOFF

WHITE

BASKET BALL

LYONS

BURR

BEACH

MABBS

WARES

PEISER

BASEBALL

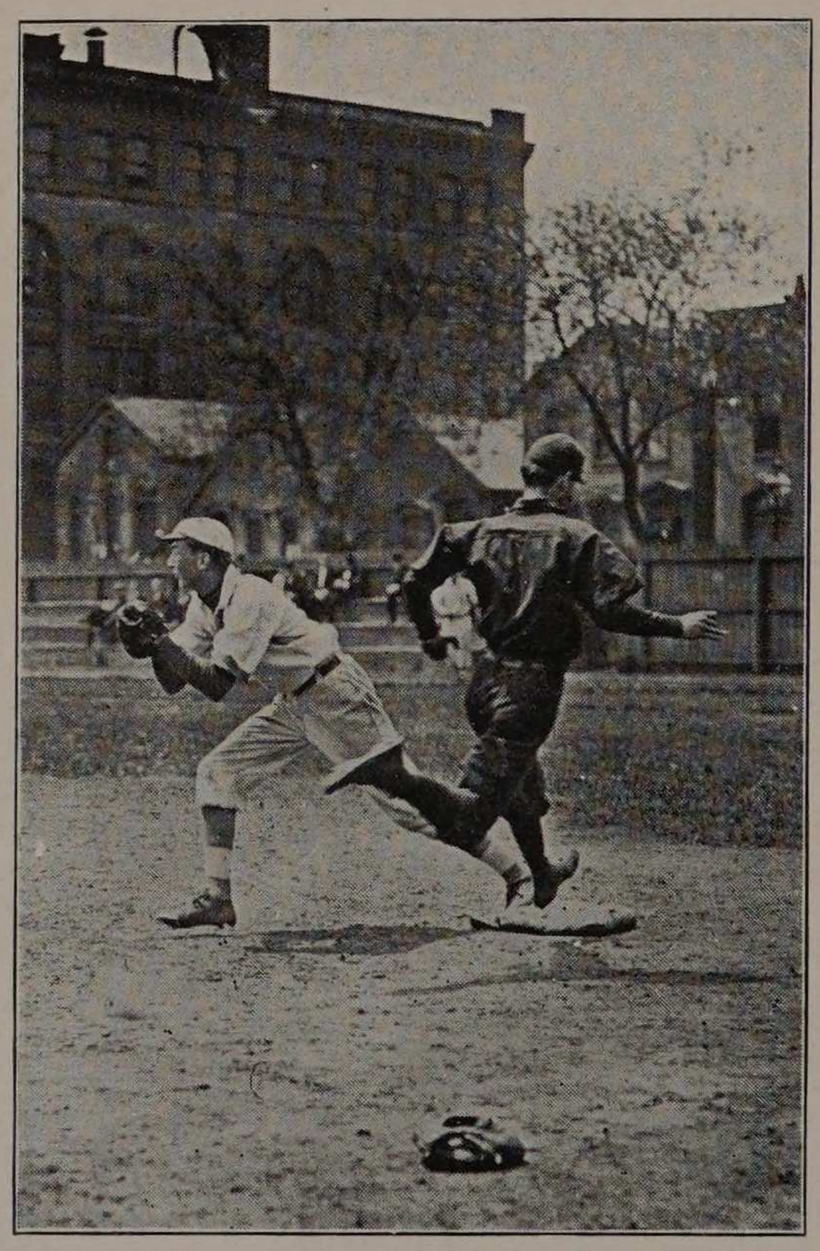
BAUMBERGER

LANGFORD

WARES

BURR

MERILLAT



Academy Basket Ball

The Academy team started the season well by winning their first game against Englewood High School and finished well by winning their last game against their old rival Morgan Park Academy. Not one of the men who started playing as a regular on the team the first of the season played in the last game of the year. The team that played Morgan Park Academy was the fourth Academy team to be organized during the season and it was hardly to be expected that even a small proportion of the games should be won under such a handicap as this.

CAPTAINS
R. E. BURR
C. WARES

COACH
T. F. CORNELL

MANAGER
C. WARES

THE TEAM

J. A. LYONS, Forward
R. E. BURR, Forward
W. W. WALDRON, Center
R. B. DIERKING, Center
C. WARES, Guard
F. CLARK, Guard
T. W. SHILLING, Forward
C. W. WILKINS, Guard
L. JOHNSON, Guard
J. BOYLESTON, Forward
B. H. WHITING, Guard
L. E. MOELLER, Guard

THE GAMES

Nov.	23, '08	A. S. A.	22	Englewood	19
Nov.	20, '08	A. S. A.	32	Calumet H. S	52
Dec.	4, '08	A. S. A.	20	Joliet H. S	39
Dec.	7, '08	A. S. A.	13	Lake View	43
Dec.	11, '08	A. S. A.	22	Waukegan H. S	37
Dec.	18, '08	A. S. A.	32	Austin H. S	11
Jan.	8, '09	A. S. A.	17	Morgan Park H. S	26
Jan.	16, '09	A. S. A.	18	Evanston Academy	53
Jan.	23, '09	A. S. A.	11	Morgan Park Academy	52
Jan.	29, '09	A. S. A.	27	Morgan Park H. S	81
Feb.	19, '09	A. S. A.	27	Evanston Academy	35
Feb.	27, '09	A. S. A.	21	Lake Forest Academy	31
Mar.	3, '09	A. S. A.	29	Morgan Park Academy	18

Academy Basket Ball Team



Academy Track (Outdoor)

SCHEDULE OF MEETS

Date	Opponents	Score	Won by
May 2	University Academy	46—64	U. A.
May 9	Lake View High School	69—35	Armour
May 23	Joliet, Armour and Aurora	64—47—11	Joliet

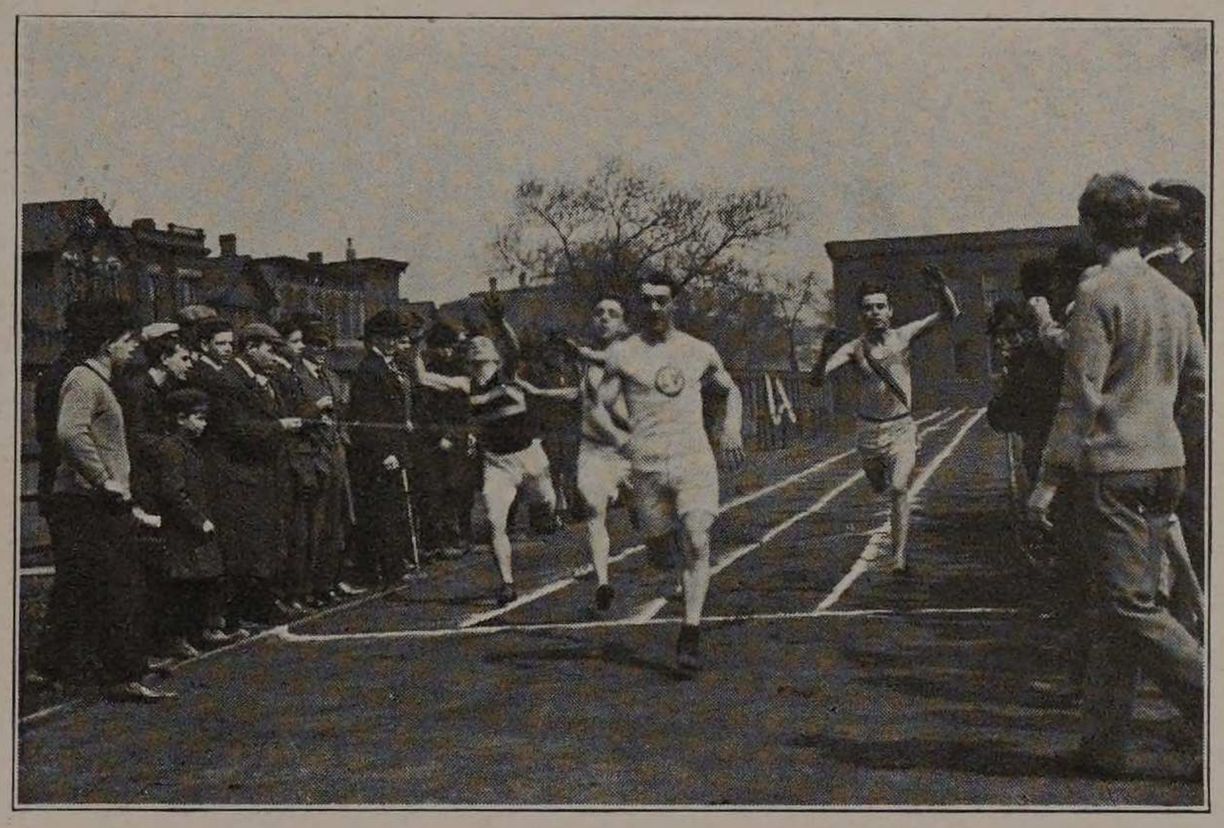
On May 16th the Armour Academy Track Team finished third in the Lake Forest inter-scholastic with 9 1/3 points.

COACH
JOHN E. LIND

MANAGER
D. ADMIRAL

TEAM

R. L. LANGFORD	Dashes and Relay
A. WEBSTER	Dashes and Relay
M. WALD	Dashes
M. ANDERSON	Hurdles, Shot Put, and Relay
R. W. BANBURY	Dashes, High Jump, and Relay
C. E. FIZETTE	440-Yard Dash
G. VIGEANT	220, 440, and 880-Yard Runs
SMITH	Weight Events
SCOTT	Broad Jump, and Pole Vault
EGLOFF	High Jump, and Pole Vault
W. W. WALDRON	880-Yard Run
A. F. HOLDEN	880-Yard and Mile Run
A. WHITE	High Jump



Academy Track (Indoor)

At the beginning of the year a change was made in the coaching system, Mr. Cornell taking charge. Anderson was elected Manager. A Class Meet was held January 30 in Bartlett Gymnasium, which was won by the Juniors, the Freshmen being second, and the Seniors third. The first meet was held with Lake View High School on February 27. It was won by L. V. H. S. with 44 to the Academy's 33. Up to the time of going to press no other meets have been held, but meets with Evanston High School and Lake Forest Academy are expected. The Academy team took second place in the inter-academic one-mile championship of the First Regiment relay, and third in the four-mile championship.

With this indoor team as a nucleus a first-class outdoor team should be turned out this spring.



ACADEMY TRACK TEAM—'08-'09.

ACADEMY TRACK—INDOOR

COACH
T. F. CORNELL

MANAGER
M. ANDERSON

THE TEAM

C. W. WILKINS	Hurdles
R. E. BURR	Shot-Put
R. PEOPLES	High Jump; Pole Vault
W. W. WALDRON	880-yard Run; Mile Run
J. RUTISHAUSER	High Jump
R. STURTEVANT	Dashes: 440-yard Run; Relay
A. W. AMES	Mile Run
A. F. HOLDEN	Mile Run
M. ANDERSON	Hurdles; Relay
H. BOHM	Dashes and Relay
P. L. BRADFORD	440-yard Run
H. PEISER	Dashes

The OVER-FLOW



"MONINISMS"

¶ The turning point from the right road to the wrong road begins at the slightest deviation of the path.

¶ As you cannot train a boy to become an athlete by letting him sit in an easy chair until he is grown up, so you cannot train will-power without continuous application and effort.

¶ If your girl refuses to play tennis unless you wear white ducks—stay at home and send the pants.

¶ In order to be successful, we must measure our pretentions in life by our ability to perform the task allotted to us.

¶ Even professors sometimes have a "grouch." When an instructor comes to me with the troubles the students give him, I say "yes, but what do you do to them?"

¶ The best way for a young man to gain a comprehension of moral law is to fall in love with a young woman of noble feelings and good sense.

¶ But a knowledge of Calculus will never make a girl fall in love with you.

¶ The four years of a college course are years of dreams, assimilation and preparation. They are succeeded by years of deeds, performance and fulfilment

¶ The trouble with the poor man is that he always is carrying too much loose change in his pockets.

¶ The great trouble with the average American is lack of thrift; he borrows little sums too easily and large sums too hard—be independent of the small debt

¶ Do not think that you have destroyed a bad habit, or anything else for that matter, if you do not succeed in planting a good habit in its place, or in building up a good and solid structure instead of the old tumble-down construction.

¶ You can build a bridge from bluff to bluff, but you cannot bluff the bridge.

¶ Don't get married unless you have a whole year's salary in the bank.

¶ The world is not half as bad as we imagine; a great deal depends upon what we make of it.

¶ Do not measure man by units of quantity, but rather by standards of quality.

¶ Never put more money in your pocket than you need for the day.

¶ It is in life as in calculus, that the infinitesimal increment makes up the whole.

¶ Order, system, carefulness, neatness—and you get there.

¶ Now young men have their track suits, yachting suits, tennis suits, baseball suits, et cetera. We used to take off our coats.

¶ From the viewpoint of the cat to eat a mouse is right; but from the viewpoint of the mouse it is absolutely wrong. Look at things from both sides.

¶ Life is not merely enjoyment and self-indulgence, but it means work and toil, resignation and sacrifice. The young engineer especially should constantly keep before his mental eye the three words which most of all seem to me to symbolize the essential qualities needed: sincerity, simplicity, service. These are the three S's of an engineering education. Living up to this ideal, you are sure of winning the fourth S, namely Success.

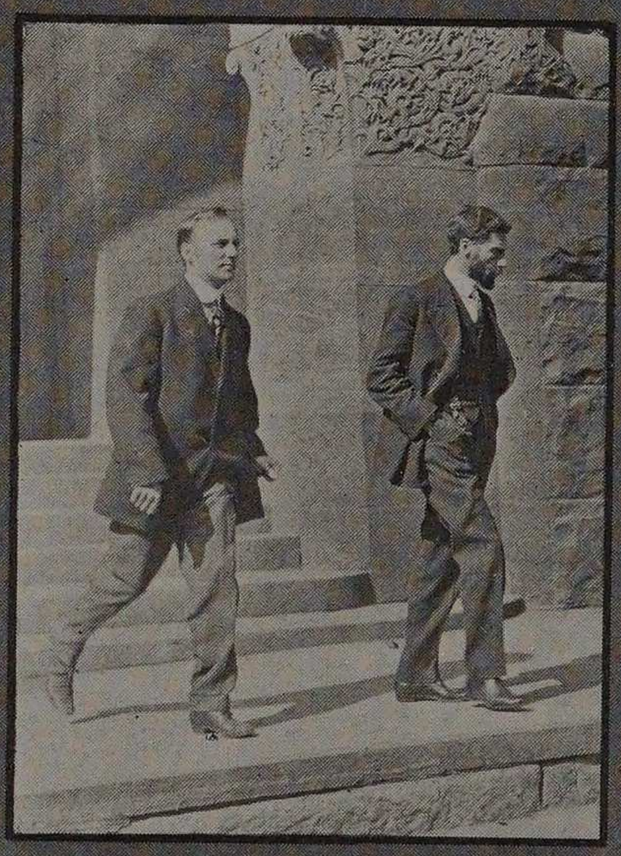
A GLIMPSE OF ARMOUR HUSTLE





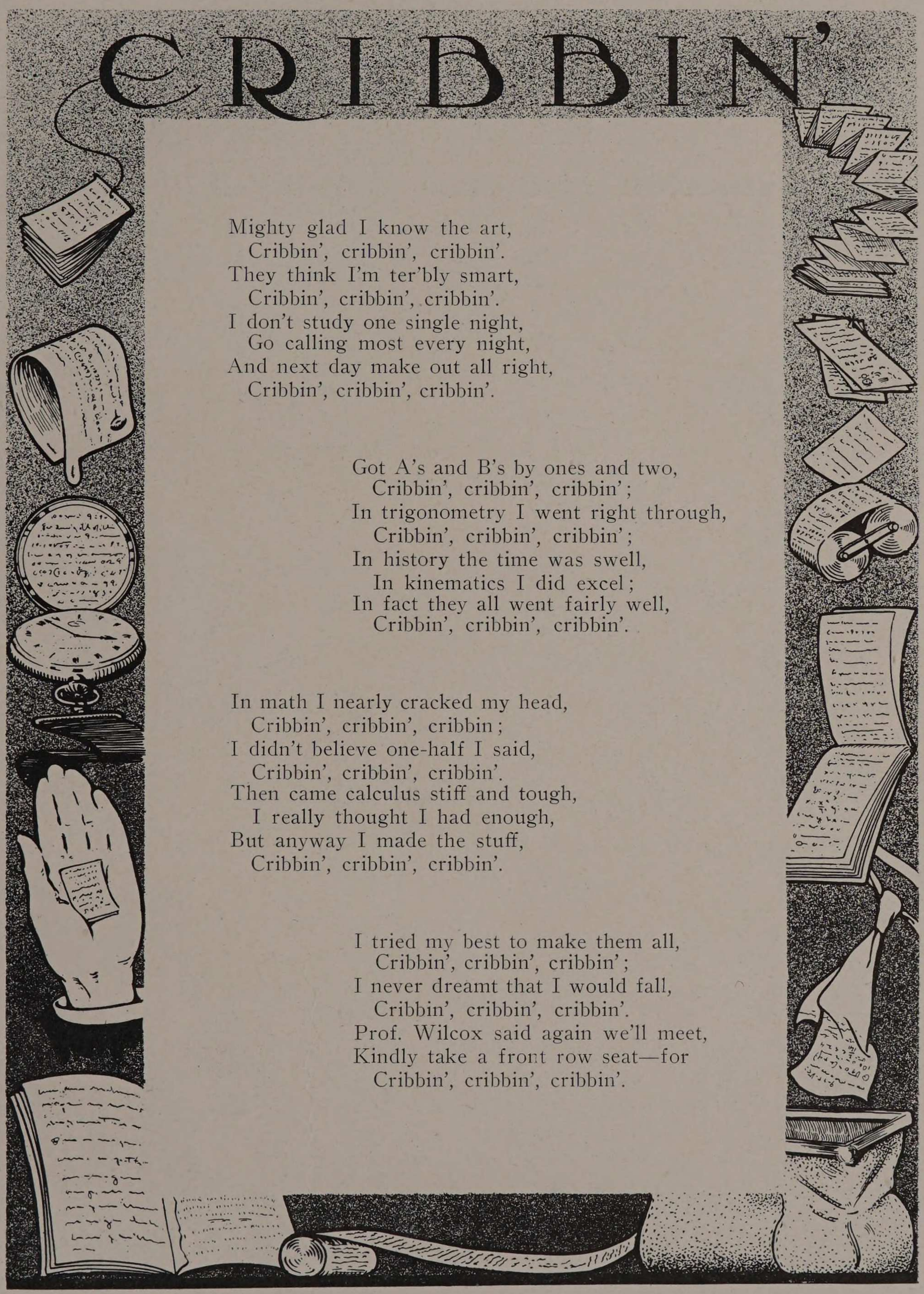








CRIBBIN'



Mighty glad I know the art,
Cribbin', cribbin', cribbin'.
They think I'm ter'bly smart,
Cribbin', cribbin', cribbin'.
I don't study one single night,
Go calling most every night,
And next day make out all right,
Cribbin', cribbin', cribbin'.

Got A's and B's by ones and two,
Cribbin', cribbin', cribbin';
In trigonometry I went right through,
Cribbin', cribbin', cribbin';
In history the time was swell,
In kinematics I did excel;
In fact they all went fairly well,
Cribbin', cribbin', cribbin'.

In math I nearly cracked my head,
Cribbin', cribbin', cribbin;
I didn't believe one-half I said,
Cribbin', cribbin', cribbin'.
Then came calculus stiff and tough,
I really thought I had enough,
But anyway I made the stuff,
Cribbin', cribbin', cribbin'.

I tried my best to make them all,
Cribbin', cribbin', cribbin';
I never dreamt that I would fall,
Cribbin', cribbin', cribbin'.
Prof. Wilcox said again we'll meet,
Kindly take a front row seat—for
Cribbin', cribbin', cribbin'.

Senior Class

OF

Nineteen Hundred Twenty-Three

COLORS

Black and Blue.

YELL.

Rip, Rip, Ripperty, Roo,
By Heck, We're Through.

CLASS OFFICERS

PRESIDENT: W——————M C. B————E.

VICE-PRESIDENT: W————M T——————S.

SECRETARY: P————R E. H————D.

TREASURER: G————E D. L————N.



B - - - E, W - - - - - M C. Class President. President of Freshman Class, '06-'07, '09-'10, '12-'13, '15-'16. Literary Engineering. Golf Champion, '17-'18, '19-'20. With the Blue Island Gas Works, '20-'21. Fulcrum Staff, '18-'19. Integral Staff, '18-'19. "Armour Engineer," '18-'19. Ridiculous X. Y. M. C. A.



H - - - - - D, P - - - - - R EVANGELINE. Born in Hancock, Michigan. Prepared at Miller's College for Bashful Bachelors. Superintendent of Armour Mission Sunday School. Member Society for Prevention of Thirst Among Seniors.



B - - - - R, H - - - - D RALPH. Post graduate. B. S. in E. E., Armour Institute, '09. M. S. in E. E., Armour Institute, '11. E. E. in E. E., Armour Institute, '13. With Nichols, Grand and Badger, Consulting Engineers. Post Graduate Work in Electrical Engineering.



T - - - - S, W - - - - - - D R - Y. Prepared at Armour Mission Kindergarten and Potter's School for Pink Tea Attendants. Civilized Engineering. Member of Armour Mission Choir. Ridiculous X.



M - - - S, J - - N K - - - - - H. Born in Irving Park on July 3, 1889. Prepared at Lake View Seminary. B. S. in Smileology. Charter member of Joy Club. Member of Amalgamated Order of Math. Sharks. Holder of Track Record in Running Broad Grin. College Member of the Board of Athletic Suppression.



T - - - - S, W - - - - - M EVERGREEN. Phi Karra Rappa. Born in Winona, Minn., on Dec. 31, 1887. Prepared at Tarrytown-on-the-Hudson. Member of "The Cotillion Leaders." Ridiculous X. Business Manager of "Armour Engineer," '09-'10. Manager of the Story-Telling Team and Marble Team.

L - - - - - - - - N, G - - - - E D - - - - E. Born at an early age. Prepared at South Division High School, Farnum's School for Flunkers, Armour Scientific Academy. B. S. in Loafing. Charter Member of Royal Order of Omega Vaselines. Deveney-Lettermann Mutual Admiration Society.

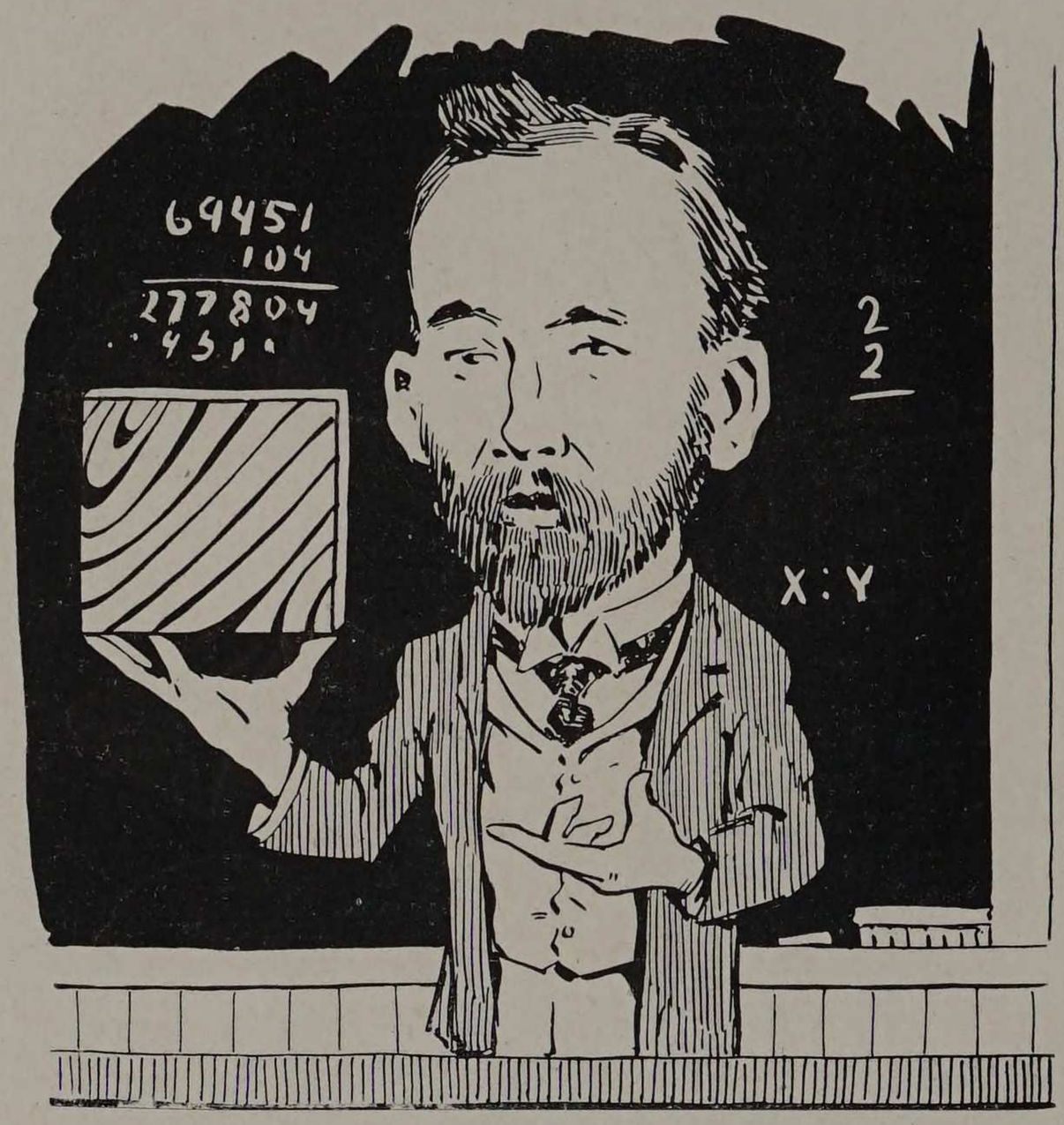
D - - - E, G - - - - E. Born in Gary, Indiana, on Feb. 29, 1898. Si Eta Pi. B. S. in Lunch Room Ethics. Secretary of the General Science Class. Received the "Richards Gold Medal" for faithful attendance at Chapin Club.





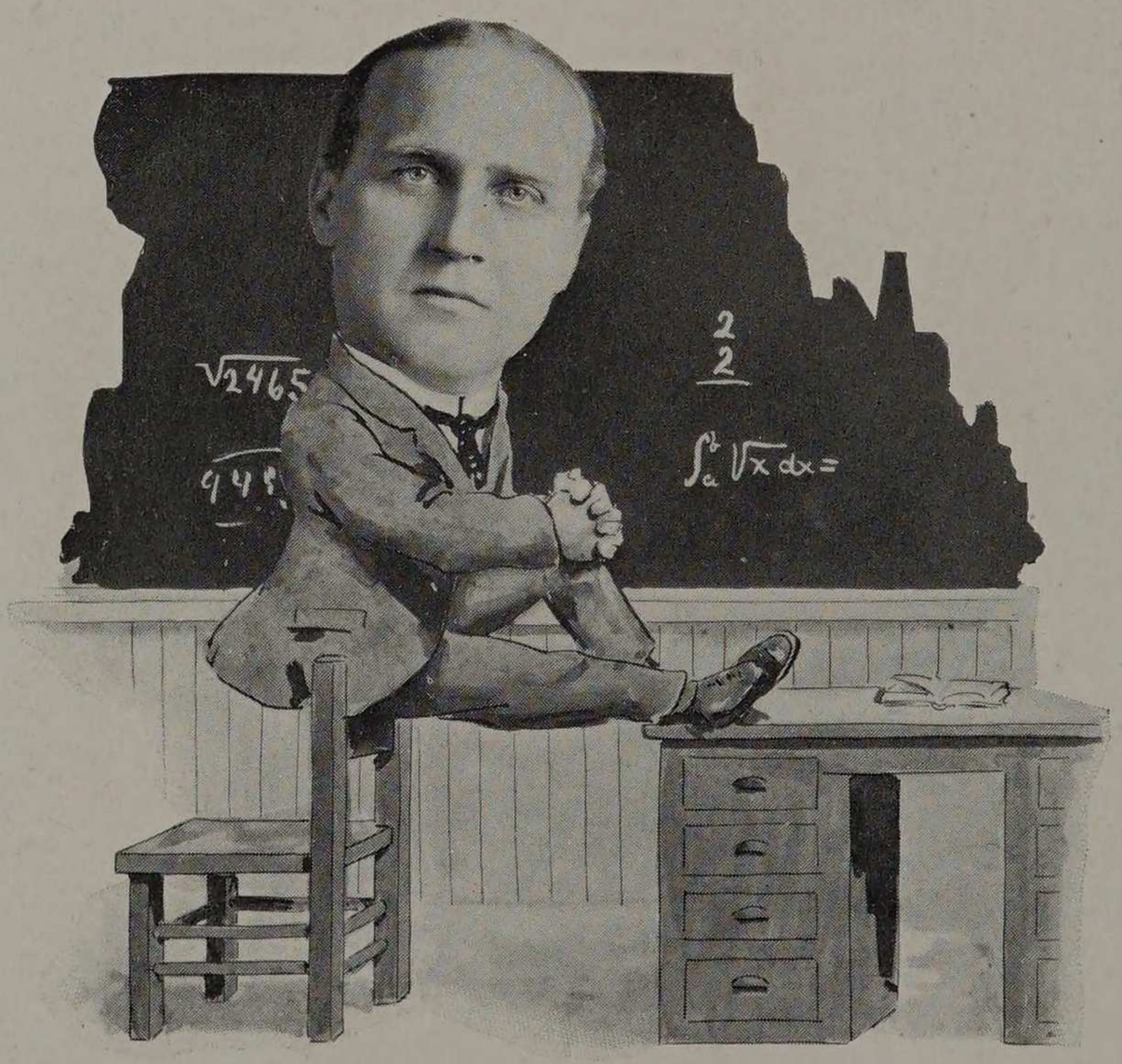


Armour Lyceum Bureau



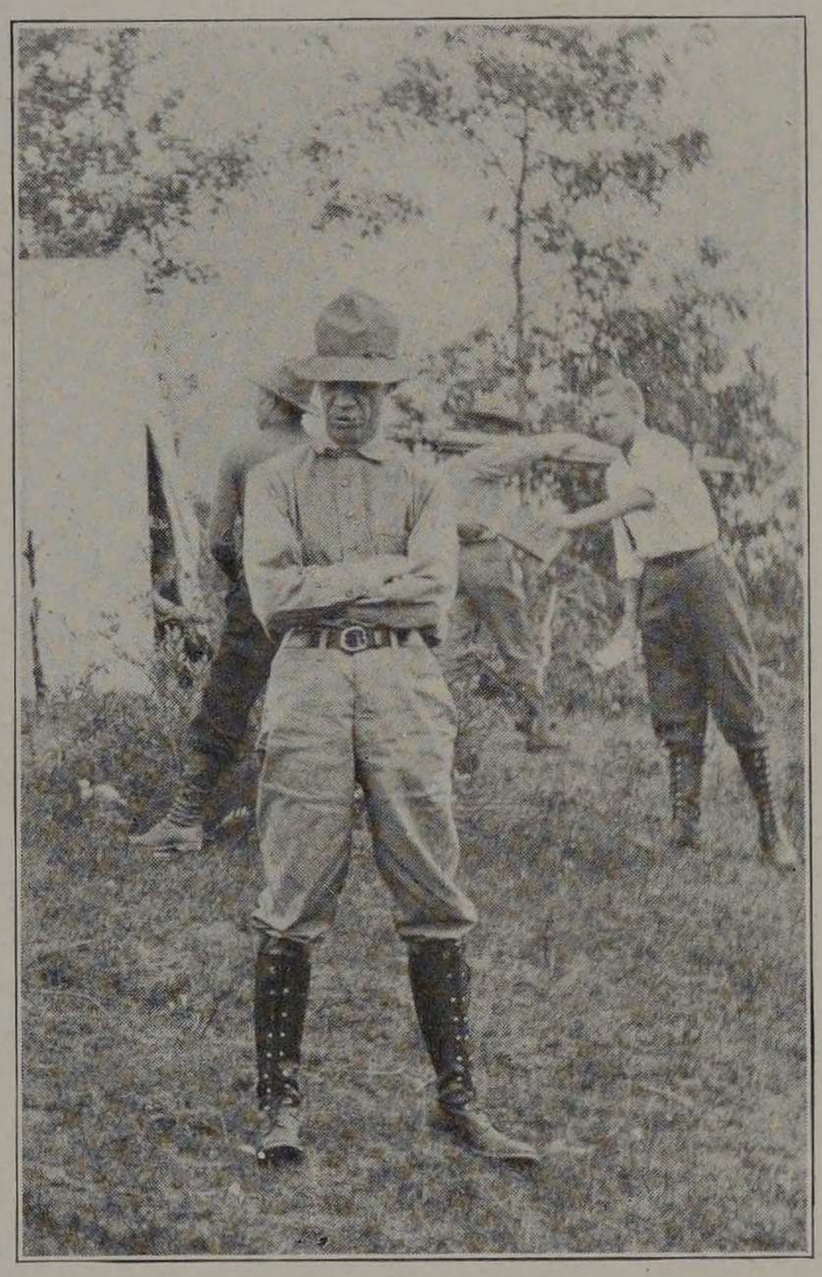
I believe this hour was to be devoted to physics, but I see some are devoting it to something else. Now, we can't afford to do that. This is the hour for physics, and not for anything else. Now, to go back to the experiment, as I was saying—(Noise in the back of the room). Now (sorrowfully), someone is responsible for that. I don't know who it is, and I don't want to, but you may rest assured that if it occurs again that person shall leave this lecture for good, and he sha'n't ever come back. It seems to me anyone who is a Sophomore in college should have outgrown that period when he plays with a rattle. Now, as I was saying, consider the pendulum as—(Bell rings at the end of the hour). The class isn't dismissed; that's a signal for the instructor and not for the student. You need this demonstration more than you do a few minutes earlier at lunch. Now, as I was saying—(long pause). The class is dismissed.

* * * * * *



Well, what did we have for today? Hm! How did you come out? How many got them all? (No hands raised.) How many got four of them? (Still no hands raised.) How many got three of them? (Ditto.) How many didn't get any? (Many hands.) Just what I thought (disgustedly). You give a man's problem to a child and he can't do it. Well, what shall I do? I can go to some girl's seminary or convent and get a nice easy calculus, and then some of you will, maybe, show bursts of intelligence that are almost human. All of those that didn't get the first, pass to the board. (Whole class goes.) Take

your seats; that's too many of you. My, I wish I could take all of you and make you into one, and then maybe I would have half a man. What you spend your father's good money to come here for is more than I can see. What's the use, anyway? When you get out you can drive a beer wagon, where they don't need calculus. Now, the book says—



* * * * * * *

Now, for next time take up to the bottom of page 346. (Long pause.) Now, Urson, what's bending moment? Yes—yes—well, but what I want to know is this: Is the shear or the moment a "maximoom" at the center? Don't quibble so; say yes or no. H—h, hm! That's right. Why didn't you say that the first time and not take so much of our time. Now, "Moonyose." (Long pause.) Go to the board. (Pause.) Given a beam effective depth fifteen inches, width ten inches, strength of concrete five hundred pounds, strength of steel 12,500 pounds, determine the resisting moment. Now, Hand—go to the board. Eh—eh—"Moonyose," that beam is twenty feet long. Now, Hand, take the same beam thirty feet long—yes, use your books. What?—Yes, straight line formula. Now, Deveny, how do columns tend to fail?—What's the steel for?—Don't take so long.—Let's have feet down.—Let's have books closed.—Let him alone, Williams.—He knows as much about it as you do.—No, no—well, that's right, that'll do Deveny—that'll do for the class.

* * * * * * *

Now—ahem—let me show you—ahem—how to start this piece of work—ahem—ahem! You see—ahem—it is first necessary—ahem—to get your piece—ahem—centered properly—ahem—ahem! Now, a piece of work—ahem—like this—ahem—is rather difficult—ahem—to the average student—ahem—ahem. Therefore the instructor—ahem—finds it necessary—ahem—to explain several points to the student—ahem—and thus give him a good understanding—ahem—of his work before he attempts to do anything—ahem—ahem. Now, the first thing—ahem—is to get your piece centered properly—ahem—after you have your work properly centered—ahem—you must drill a couple of holes—ahem—ahem. Just a moment—ahem—till I see what this fellow wants. (Half an hour later.) Ahem—let's see where was I? Ahem—ahem. Oh! Yes! (Begins all over again.)



THE CHICAGO WRETCHED-HAROLD.

VOL. I. No. 1 MAY 6, 1909 PRICE $125.00

ROCKEFELLER NOT TO GET THE INSTITUTE

University Must Go Some Where Else for its Engineering School.

Wretched-Harold Presents the Facts.

Our reporter has been able to get the first bona fide facts about what has been causing so much stir in educational circles on the south side for the past months. The air has been thick with rumors of the "absorption" of Armour Institute by the University of Chicago to form the engineering school which the latter institution has been contemplating.

The details of the affair have just come to light and are here given for the first time.

When the subject of affiliation was first broached to the controlling body of the Institute they immediately accepted with but one condition, i. e., that in case the Institute were moved to the Midway, "Cap" Larson be given exclusive charge of all dining rooms and lunch clubs on the campus. This did not seem like a stumbling block to the University, but in order to exercise all due caution it was thought best to have someone sample one of the Captain's luncheons before making a final disposition of the matter.

To carry out this decision a comittee was appointed consisting of a Professor in the College of Medicine, an under-graduate student therein, and a member of the Varsity football team. In due course of time this committee

(*Continued on page 2, column 2.*)

NEWS OF THE MORNING.

Thursday, May 6, 1909.

THE WEATHER: Probably warmer as the time goes on.

Sun rises in Evanston at 6 a. m.

Sun rises over the Illinois Central at 11:33 a. m.

Sun sets on Armour Institute never.

CHICAGO.

Oil King does not succeed in getting control of Armour Institute. **Page 1**

Sheriff Raymond to dispose of Senior Class at public auction. **Page 1**

DOMESTIC.

Little things about great people. **Page 4**

BUSINESS.

Editorials. **Page 3**

With the latest books and authors. **Page 3**

AMUSEMENTS.

Minstrels. **Page 3**

SPORTING.

Vynne almost plays in a game. **Page 3**

ADVERTISEMENTS.

Classified. **Page 5**

OPPORTUNITY.

Opportunity. **Page 4**

CIRCUS GOES BANKRUPT

Financial Panic Too Much for the Colossal Aggregation.

TO BE SOLD AT PUBLIC AUCTION.

(Special to the Wretched-Harold.)

The circus which, during the last year, has been showing under the name of the Senior Class, the World's Greatest Combined Wonders, all Under One Canvas, has stranded upon the shoals of finance and been attached for board.

Sheriff Raymond has the entire outfit in his possession and will dispose of it under the hammer at public auction, to the highest bidder on May 28, 1909.

The assets are about $13.47, and the liabilities are two million dollars. Anyone needing anything in the line of math-ponies, evergreen jokes, cribs, lab reports, etc., will do well to attend the auction.

Mr. John Mark Eckert, of Chicago, gladdened the hearts of his many friends by a little visit he made them this week. Mr. Eckert is now a prominent consulting engineer and has his office located in the Monadnock Block, and since his time is so valuable he can not run over as much as he did.

SOCIETY AND CLUBS.

On the afternoon of Friday last, Mr. Eustace Sultan Vynne was united in marriage to one of the leaders of Hyde Park's social set. The marriage was solemnized at the home of the bride's parents. The bride was dressed in a gown of liberty satin embroidered in a happy design of bees and wasps. The maid of honor was dressed in pink tarlatan.

When the minister was about to tie the nuptial knot and came to that well known passage asking whether anyone knew of just cause to prevent the young people from being married, the maid of honor caused much consternation. Sobbingly, she said that the groom had proposed to her the week before and had been accepted. Of course, in the face of such evidence the minister could not proceed with the ceremony.

The bride-to-be is to be congratulated upon her escape.

* * *

The Ridiculous X held their annual theatre party at the Alhambra on last Saturday night. The play given was "Convict 999." After the production "Oleo Margine" Richards made his famous speech entitled, "Gentlemen, let us maintain the dignity of this society by not going in the front door, but to the rear march."

The Aldine Casino was the scene of great festivities on last Monday night, the occasion being that of the first annual ball of the Omega Vaselines.

Mr. Goocus D'Arcy Lettermann and Miss Flossie Footlights led the cotillon. All present were sorry when the wee small hours of 10:30 warned them that it was time to leave.

ROCKEFELLER NOT TO GET THE INSTITUTE.

(*Continued from first page.*)

reported that they did not see how it was possible for the Captain to furnish such delicious viands for so little money and fearing that he would be unable to sustain the quality of the food because of the obvious financial loss they advised that the proposition be rejected.

The Professor of Medicine submitted a minority report saying that while he was not in favor of the Captain's catering it was for an entirely different reason. The learned doctor was fearful that the elegant selection of edibles, while no doubt very pleasing to the connoisseur, would hardly agree with the gastronomic economy of college students especially those of the University who were mainly recruited from the country and not used to such aristocratic dishes as "potage d'eau," spaghetti au fromage, and pie a la mode.

While it is indeed regrettable that the union was not accomplished the citizens of Chicago should feel proud of the Institute's unflinching stand for the Captain's rights and agree that the Tech students would indeed be lost at the University unless their "Cap" had charge of the beanery.

AUCTION! AUCTION! AUCTION!

Everything Must Go! Bargains in Brains, Beauty and Gall.

One smile used by "Slim" Richards in his aerial act entitled "Only One Girl." Good as new, and warranted not to rip or run down at the heel.

One look of childish confidence used by Milton C. Shedd in his tumbling act entitled "Joshing the Faculty." This is a little frayed at the edges but with proper care can be used for several more seasons.

One nightingale named Dick. Voice a little hoarse, upper register gone; but with proper care and attention, may be made as good as new. Very cheap. Can be used as an auto or fog horn.

One bird of Paradise. Answers to the name of MacKarahan. Caught in the wilds of Iowa. Value estimated at two million dollars by Miss ———

One sixteen horsepower, double-action, self-oiling brain. Owned by Frank C. Zanzig. May be used to saw wood.

Two jokes, meaning not known. Have stood the test of years of hard usage. Successfully used by the "Gold-Dust Twins," Deveney and Lettermann.

Forty-three ponies, of various descriptions. Apply to Frank Mayes.

"One Sentimental Lassie." Song composed and sung by Harry N. Ostergren.

Besides these, there are many useful, beautiful, and valuable articles which will go regardless of cost. Come early and avoid the rush. Special prices to Juniors.

THE WRETCHED - HAROLD

Comprising
The Chicago Wreckard, The Harold,
The Armour Armourican.

Junior Class, Editor and Publisher,

33rd and Armour Avenue,
Chicago, Illinois.

Terms of Subscription:

Daily, for one year.....$125
Thursday, May 6, 1909.

Editoriais.

We think that it is with unpardonable pride that we point to another clean scoop over all the city papers. Universities and colleges are always reticent about their doings and we must congratulate WRETCHED HAROLD readers on being the first in town to receive this important news.

We are indeed glad to note the avidity with which new students are taking to the new course recently organized in "Society Engineering." While we regret that lack of funds made it necessary to choose the Professors and Faculty of the new department from the student body we extend to Profs. Dick and Frisbie our best wishes for success.

From the Side Lines—By a Chapin Club Sport.

O. K.—We do not settle questions of race or nationality. But we think Bob's a Swede.

Freshman—The man with the green hat was the General Manager of Athletics.

Inquirer—Yes, Vynne was on the floor for two minutes in the De Paul game.

Szeszycki—No, we do not decide questions pertaining to Skat, if it were "stud" or "draw" we would refer you to Williams.

Ardent—Bristol is not married, all rumors to the contrary not withstanding. There were rumors of his engagement last fall, but they have disappeared. He is about twenty. Write care this journal.

Base Ball Fan—You must be mistaken. We are sure the only position "Sturty" played last fall was "bench."

WITH BOOKS AND AUTHORS.

"THE ART OF BLUFFING," is the title of an interesting little book written by Mr. William Deveney. The first few chapters deal with the prehistoric bluffers and their methods. Much stress is given to the modern improvements of bluffing with a special study of recent discoveries by noted athletes.

"THEORY AND PRACTICE OF CRIBBING." A history of cribbing as a fine art; its application in the modern class room; special treatise on the double roll, watch case, and duplicate yellow book system. By the Civil Class of '10.

AMUSEMENTS! GREAT! GORGEOUS! GRAND! CONTINUOUS VAUDEVILLE!

The best never.—Burnt Mantle.

No show in its class.—Amy Lestruth.

Stupendous, side-splitting, sentimental seance! Isadora Duncan beaten to a frazzle. Geo. Cohan backed off the boards. Harry Lauder put in the background.

C. C. BAILEY'S
(Late with P. T. Barnum.)

German Negro Minstrels!
With the Greatest Conglomeration of
16—Candle Power Talent—16
Under the Sun!
36 Sweet Singers 36
8 End Men 8
1 Accordeon Player 1
0 Music 0

Kallis and Glick in their Laughing Success,
"YOU CAN'T TALK IN OUR YARD"

Ralph T. Evans will sing his latest popular illustrated song,
"YES, PERHAPS NOT"

The three tall tipplers **Deveney, Kiley and Mayes**
in their rip roaring farce
"Papa Hat's Erlaubt"

EDWARD ENDICOTT BOLTE
will
Parse a German Verb in French and Vice Versa.

The management guarantees that the door be left unlocked during the performance, so as to allow the audience to escape.

PRICES, 10, 20, 30 CENTS

Opportunity

BY KERBERT HAUFMANN

Copyright, 1909, by Kerbert Haufmann

Perhaps you have noticed Arthur. Yes, he with the unintelligible marking on his cuffs. He is not very considerate of his cuffs, or of *other things.* But, then, that last quiz *was* a hard one—lots of boys do that. That is all but Henry and his ilk. Henry tends the fires in *Arthur's* house. Henry hands Arthur his hat from the check room after Arthur has *copied last week's experiment.* But Henry *wants* to be an engineer—he *wants* to write C. E. after his name—and *he* will. Arthur won't—he *doesn't* want to. It's just his father's whim. Cosines and integrations are a bore to Arthur—they spell C. E. for Henry.

Obedient, Arthur goes because it is his *father's* wish—and his *father's* money. Henry goes because it *his* wish—and *his money.*

I know him—reader, do you? Perhaps you're Arthur. Why do you do it? Why doesn't Henry do it? Henry *couldn't* tell us, neither can you.

Poor *Arthur* and poor *Henry*—they really are the *same* boy, circumstances alone made them different. It isn't the blood, it's the breeding.

The *breeding* does it *all*—the *blood* never changes.

THE WOMAN BEAUTIFUL.

Dear Madam: Do you think it proper for a young man to purloin a young lady's suit case on a through car? He is well acquainted with the young lady and had the best intentions, doing it only for a joke. Anxiously,

J. M. ECKERT.

I hardly think it proper, but if the young lady is willing it certainly did no harm. If I am informed correctly "everything goes on a through car."

Beach—An inside pompadour to go all around the head will cost $10.00. It is much better than the one you have.

Hills—Don't get discouraged so easily; apply Danderine to your upper lip three times a day and tell the barber to omit your lip in the weekly shave.

Mr. Jesse Menkin has returned from an extensive tour around the world. Among places of interest which he visited are, Aurora, Elgin and Whiting, Indiana.

PERSONALS.

Mr. G. Cylde Bristol attended one of his classes yesterday.

* * *

Leroy Kiley and E. Vynne paid their respects to some of their several lady friends yesterday.

* * *

Mr. I. N. Baughmann failed to ask a fool question in Mechanics and the class tendered him a vote of thanks.

* * *

Ben McAuley was visiting in town today from Green Bay, Wis., and reported winter wheat ripe enough to be picked. The hens will have a full crop of corn.

* * *

Master Willie Bruce, perennial first president of the Freshman Class, was absent from the Institute today on account of illness in his family.

LOST AND FOUND.

FOUND—A LEMON IN THE VICINITY of the Institute during last Junior week. The Assistant Professor of the gymnasium may obtain the same by applying to last year's Integral Board and paying for this ad.

LOST — TWENTY-THREE VOTES for business manager of the INTEGRAL on May 13, 1908. Finder please return to the Delta Tau Delta house or to Eustace Vynne and receive any political honor desired.

LOST—TWO SECONDS OF MY VALuable Time. Please return to A. A. Ebert and receive a pleasant smile.

LOST—A COMMA. FINDER PLEASE return to Dud Williams and thus enable him to remove his D in English.

PROF. STRONG'S
Complexion Paints and Powders.
The Old Made Young.
If Homely, Made Handsome In One Hour.
Charges Reasonable.

HELP WANTED—MALE.

Agents, Solicitors, Etc.

GUARDIAN—Must be good looking, bright, and above all strictly temperate. Only Democrats need apply. Address F. J. Peck.

WANTED—A barber, one who can cut hair preferred. "Circus Solly" Johnson.

WANTED—A few young men, electricals preferred, whom I can convince of the fact that, next to myself, "Ladies' Man" Rosenthal is the handsomest man in the Institute. William Baer.

WANTED—A good looking, well educated young man to help me take care of my social obligations, as my dates are becoming too numerous for me to attend to. Only those who can lead cotillons and Germans need apply. Curt T. Lindsay.

SOLICITOR—Able and energetic young men to solicit ads for the '11 INTEGRAL AND OTHER SKIN GAMES.

SITUATIONS WANTED.

WANTED—By every member of the Senior Class: A JOB.

ROUGH ON FRATS
Victor E. Cole,
Manufacturer.

Isaac Baughmann, Dick Leavell,
Samuel McCune.
Leavell, Baughmann & McCune
Dealers in Hot Air and Soft Soap

EAT SAWDUSTO
The flavor wins its favor
(Testimonial.)
Have eaten Sawdusto and will never eat any other kind of breakfast food.—E. V. MacKarahan, Track Captain, Armour Tech.
There's a Reason
For Sale at the Armour Beanery.

HILLS, FRISBIE, CLEAVER and COMPANY
Choice Line of Neckties
Match Your Complexion and State of Mind.
Ties for the Afternoon.
Ties for the Summer.
Ties for Any Old Time.
Hand Made, Machine Stitched.

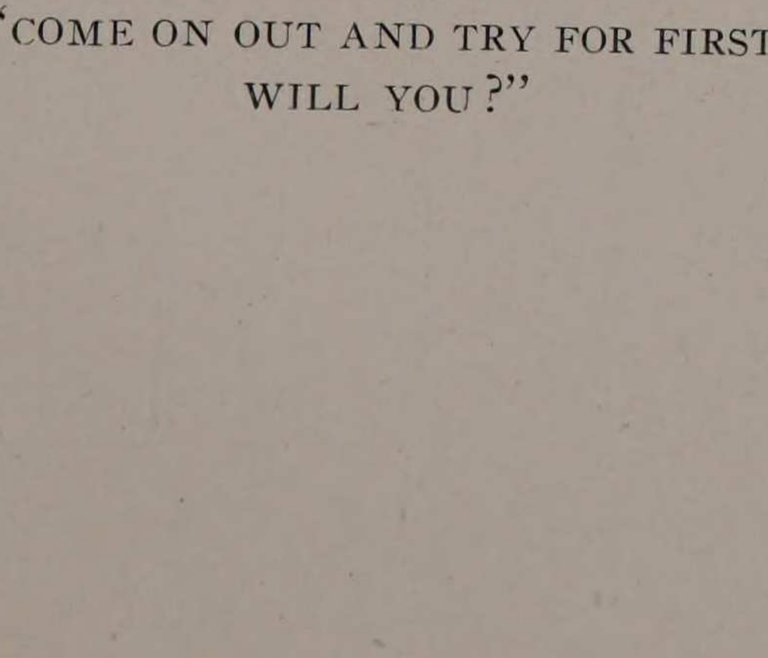
REWARD!
For the Return of
ONE OZ. OF PURE UNADULTERATED
NERVE
Lost by a Sophomore at the first Physics examination. Finder please return as soon as possible, as the owner has great use for the same in his business.



THE ACADEMY "CHAPIN CLUB"



THREE CRONIES OF THE MATHEMATICS DEPARTMENT



"COME ON OUT AND TRY FOR FIRST, WILL YOU?"

Who?

Who is it rises from his bed,
With aching heart and throbbing head?
Who stands of all exams. in dread?
The Freshman.

Who's reached the ladder's second round,
And searched the sciences profound,
So feels he should be laurel crowned?
The Sophomore.

Who feels that he was born to be
The final great authority
For students and for faculty?
The Junior.

Who stalks with solemn air,
And thinks that none with him compare,
Who passes Freshman with a stare?
The Senior.

Who vows that Alma Mater's name
Shall ne'er through him fear blot of shame?
Who by his life augments her fame?
The Graduate.

When June returns with flowers sweet,
Who hastens back old friends to greet,
And cheer the hearts of all they meet?
The Alumni.

The Worst Ever

'Tis said that a certain professor, who holds the largest title at Armour Tech, certainly holds the palm when it comes to being absent-minded. Waking up one cold morning rather later than usual, our worthy professor hurriedly donned his raiment, glanced quickly through his morning Tribune, nibbled idly at his Grape-Nuts, forgot to kiss his wife good-bye, and ran to catch the African Central Express. After having ran for a block or two, to his consternation he found that he had forgotten that treasure of treasures, his green Tyrol hat.



By the time he had returned and obtained his headpiece the clock had advanced to nearly eight-fifteen, and realizing that he had not a moment to spare, the general manager of athletics buttoned up his overcoat and hurried on. Soon he became deeply involved in epicyclic trains of mechanism, and so engrossed in his thoughts was he that he failed to note that he was walking in the gutter instead of the sidewalk. He continued thus until stopped by the rear portion of a hack, which was drawn up before a store. Looking up he encountered the black surface, and thinking that it was a blackboard, took a piece of chalk from his pocket and commenced to write. Soon he had the space filled with epicycloidal gears, instant centers, and velocity diagrams, when suddenly the hack started to move. The professor continued to write, and kept pace with the vehicle until he had to break into a run. Then, for the first time, he realized his position. Looking around sheepishly, he continued to wend his way toward Armour Institute.

Clicks from the Faculty Club

The faculty club is a scene of much joy and laughter when our worthy professors get to "jollying" each other. The other day they told a good yarn on our professor of mathematics. It seems that once in the bonnie days our worthy doctor went to an English race meeting. Feeling somewhat reckless, he decided to take a turn with the fancies of the Goddess of Chance and boldly staked a sovereign. Strangely enough, the horse he backed proved a winner, and he went to the "bookie" to claim his winnings. The sporting man begrudgingly handed him five sovereigns. He looked at each one very carefully before placing it in his pocket.

"Well," said the bookie, with a snarl, "are you afraid they are bad?"

"Oh, no," said the doctor, "but I was just lookin' to make sure the bad yin I gie'd ye was na amang them."



ALFRED EARNEST DEAN

Curator of the Chemical Laboratories, Conservator of the Hydrogen Sulphide Generator, Guardian of Faculty Dignity, And Watchdog of the Chemicals

Junior Mechanical Picture

Picture Hoffman not being late,
Picture Bergbom with a female mate,
Picture Hall passing a quiz,
Picture Byers refusing soda fizz,
Picture Hatman astride a mule,
Picture Gentry breaking a rule,
Picture Daly with any cash,
Picture Cap Larson eating his hash,
Picture E. E. Bolte alone in a city,
Picture Lohse saying something witty,
Picture Leavell with any authority,
Picture Young agreeing with the majority,
Picture Prof. Perry eating pie,
Picture Baughman pulling Crocker's tie,
Picture Thomas wearing a No. 3 shoe,
Picture the Registrar with no one to do,
Picture Schmidt worrying over a "D,"
Picture Proc. when he wasn't out at sea,
Picture Carlson an exalted saint,

But these are all pictures no artist can paint.



AT THE ANTEDELUVIAN TECH.

First Stude: "Whatcher doin'?"
Second Stude: "Making a crib for fizzix."

* * *

IN COLLEGE ALGEBRA.

Prof. Pell: "Now, I want you to listen to me."
(Blows his nose violently.)

* * *

FROM A LECTURE BY DOCTOR CAMPBELL TO THE SOPHOMORE CLASS.

"Well I have had classes and classes, but when you fellows have your class picture taken I want one."

The Daily Routine

7:15 A. M.—Bergbom arrives for the 8:30 Mechanics class.

7:30 A. M.—Lawson's alarm clock goes off.

Lawson almost hears it.

7:45 A. M.—Cap Larson polishes brass plate on Ogden Field.

8:00 A. M.—Dean Monin walks from State St. to the Institute in twenty-three seconds.

8:15 A. M.—Civil Bunch arrives on Through Car No. 22.

8:18 A. M.—Eckert comes trailing along.

8:31 A. M.—Hoffman and Hall blow in.

8:33 A. M.—Prof. Zorn gets to German.

8:40 A. M.—Bolte gives all he knows of Mechanics in two sentences, and is surprised at himself.

9:00 A. M.—Baughman says, "Professor, I'd like to ask a question."

9:15 A. M.—Cole bids his fair one adieu on the L Station and reaches school in ten seconds.

9:30 A. M.—Campbell roasts his calculus class.

9:45 A. M.—Lettermann arrives for Stresses.

Borrows Ken Harger's problems.

10:00 A. M.—Campbell still roasting his class.

10:15 A. M.—Beach begs "the makings" in Chapin Club.

Also Hull.

Ditto Burke.

Likewise Casey.

10:20 A. M.—Much hunting for finished Mech. Lab reports.

10:30 A. M.—Dean Monin tears off his daily vaudeville stunt in Economics.

10:45 A. M.—Proc. Henwood hunts for physics problems.

11:00 A. M.—Lawson rolls over.

11:10 A. M.—Stark borrows ten cents, a pencil, a knife, a sheet of paper, etc.

11:20 A. M.—Deveney appears without Lettermann.

11:30 A. M.—Willis begins daily lecture on ethics in hydraulics.

11:35 A. M.—Forty "scouts" answer present for Holmes in physics lecture.

11:40 A. M.—Perry decides to start valve gear class.

11:45 A. M.—Baughman says, "Professor, I'd like to ask a question."

12:00 M.—Smut Club composed of the Senior Electricals hold their daily meeting in Cap Larson's Refectory.

12:20 P. M.—Cupid Leavell stops talking—he can't, he is eating his lunch.

12:35 P. M.—Wilcox dismisses his physics class.

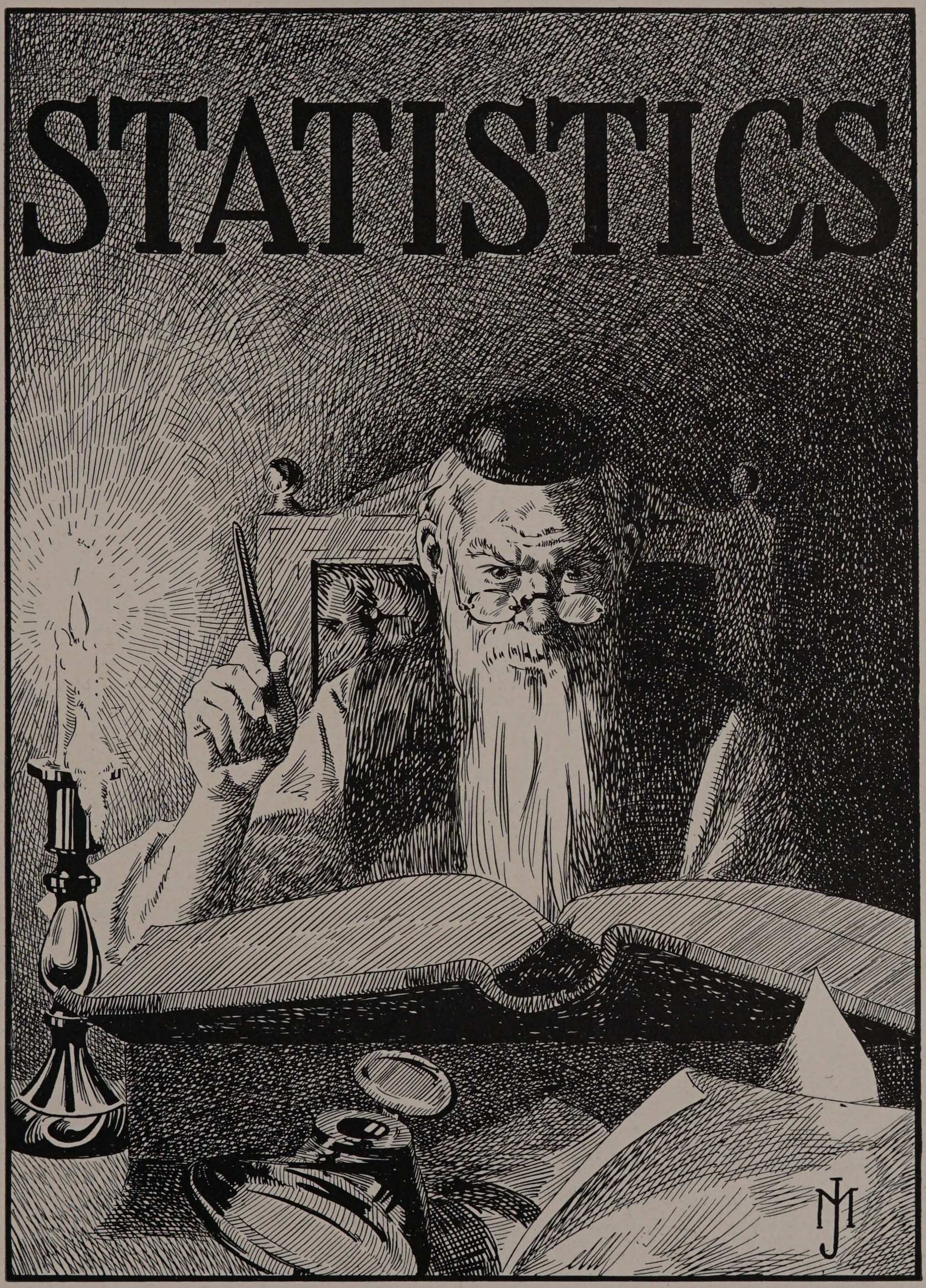
12:45 P. M.—Parkins sells a pennant.

1:00 P. M.—Fifty per cent of the Junior Fire Protection class arrives.

1:05 P. M.—Dick comes to Business Law.

1:15 P. M.—Billie Williams, Hoffman and Hall leave for the matinee.
1:30 P. M.—Anderson almost cracks a smile.
2:00 P. M.—Some Juniors start for Physics Lab.
2:30 P. M.—Coffeen goes to the drafting room.
2:45 P. M.—Some more Juniors go to Physics Lab.
3:00 P. M.—Coffeen and Perry leave to play billiards.
3:05 P. M.—Tobias leaves Civil draughting room to purchase ten pies.
3:10 P. M.—Still some more Juniors go to Physics Lab.
3:15 P. M.—Sleeper leaves to call on his fiancee.
3:30 P. M.—Willis stops gambling and rough-housing in the Civil drafting room.
3:45 P. M.—Richards delegated to buy peanuts.
4:00 P. M.—Two students left in the drafting room.
4:10 P. M.—The pies come!
4:15 P. M.—Richards seen wandering aimlessly in the vicinity of 33rd St. and Michigan Ave. with a fair one. Evidently he has spent the peanut money for sodas.
5:00 P. M.—Coffeen gets to the drafting room to call the roll.
5:30 P. M.—Cole meets his fair one.




STATISTICS

Summary of Attendance

1908-'09

Courses	Seniors	Juniors	Sophomores	Freshmen	Special	Total
E. E.	23	25	55	67	..	170
C. E.	19	29	44	49	..	140
M. E.	17	25	22	40	..	103
Ch. E.	8	8	13	16	..	45
Arch.	6	18	37	39	..	100
F. P. E.	4	2	7	4	..	17
Special	..	..	..	..	19	19
Totals	77	105	178	215	19	594

1908-09 Academy

1st Year	37	3rd Year	84
2nd Year	87		

1908-09 Institute

Students in the College of Engineering	594
Students in the Scientific Academy	208
Students in the Evening Classes	601
Students in the Summer Courses	225
Total	1628
Deduct Names Counted Twice	36
Net Total	1592

HOW THEY REGISTER

First come, first served! Tell me not of mournful numbers! Come, seven! Come, eleven! Skidoo!

The student who secures No. 1 in the registration list must get up early and stand in line for some time. It is an interesting fact to note that it always is the very bright or the very dumb "studes" who get the low or high numbers; while the happy-go-lucky students generally draw the numbers along in the middle of the list.

James Megahy, a Senior Civil hailing from Barbadoes, W. I., was the first student to register; J. C. Porter, an electrical Freshie from Oklahoma, was the second; P. E. Henwood, likewise known as "Shorty," was the third. The last man to register was L. P. Rowe, a Junior Architect from "Chi"; he was No. 1128—last though not least.

L. L. Powell, alias "Dick," was No. 11. R. Wustenfeld, an Architect Freshie of Irish descent, drew No. 13. Henry Dormitzer was a lucky "bug"—he drew No. 7. "Skidoo" was received by Warren Foster, who is also a twenty-three-year colt from "Indianner."

Summary of Instructional Staff

	1908-9
Professors	13
Associate Professors	11
Assistant Professors	12
Instructors	25
Lecturers	4
Totals	65

Students from Foreign Countries Attending College

Turkey	1	Germany	1
Russia	1	Hawaiian Islands	1
Mexico	2	Italy	1
Canada	3	Japan	2
New Zealand	3	Scotland	1
Philippine Islands	2	South Africa	1
South America	1	West Indies	1

Fourteen foreign countries represented by 21 students.
Twenty-nine states represented by 575 students.
Total in the college, 596.

Institute Calendar

1908

June 11	Thursday . .	College and Academy Entrance Examinations
June 22	Monday . . .	Summer Courses Begin
July 31	Friday . . .	Summer Courses End
September 3	Thursday . .	College and Academy Entrance Examinations
September 8	Tuesday . . .	First Semester of the College Year 1908-1909 Begins; Registration Day
October 5	Monday . . .	Evening Classes (First Term) Begin
November 26-27	Thurs. and Friday	Thanksgiving Holidays
December 11	Friday . . .	Evening Classes End

1909

Dec. 21-Jan. 2	. . . . .	Midwinter Recess
January 4	Monday . . .	Evening Classes (Second Term) Begin
January 30	Saturday . .	First Semester Ends
February 1	Monday . . .	Second Semester Begins; Registration Day
February 12	Friday . . .	Lincoln's Birthday, a Holiday
February 22	Monday . . .	Washington's Birthday, a Holiday
March 12	Friday . . .	Evening Classes End
March 15	Monday . . .	Evening Classes (Third Term) Begin
May 21	Friday . . .	Evening Classes End
May 23	Sunday . . .	Baccalaureate Sermon
May 27	Thursday . .	Commencement Exercises
May 28	Friday . . .	Second Semester Ends
June 10	Thursday . .	College and Academy Entrance Examinations
June 21	Monday . . .	Summer Courses Begin
July 30	Friday . . .	Summer Courses End
September 2	Thursday . .	College and Academy Entrance Examinations
September 7	Tuesday . . .	First Semester of the College Year 1909-1910 Begins; Registration Day

ADVERTISEMENTS



LIST OF STUDENTS

Senior Class

Ahern, J. F.	F. P. E.	42 Chicago Ave., Kankakee, Ill.
Anderson, H. C.	C. E.	6504 Parnell Ave., Chicago
Aronian, Z. A.	E. E.	3336 Dearborn St., Smyrna, Turkey
Aurelius, S. J.	M. E.	4 104th St., Pullman, Ill.
Beckman, H. E.	C. E.	Naperville, Ill.
Bexten, L. N.	E. E.	3350 Armour Ave., Omaha, Neb.
Binder, G. A.	E. E.	3254 Wabash Ave., Earlville, Ill.
Boughton, N. J.	M. E.	404 E. 40th St., Chicago
Buckett, A. C.	A.	5333 Indiana Ave., Chicago
Chamberlin, E. W.	C. E.	348 39th St., Chicago
Conlin, W. F.	M. E.	3533 Hermitage Ave., Chicago
Crane, E. B.	E. E.	505 42nd Place, Chicago
Curtis, H. L.	E. E.	3322 Dearborn St., Stratford, N. Z.
Dawson, M.	C. E.	100 E. 24th St., Chicago
Dekker, H. G.	M. E.	10816 Wabash Ave., Chicago
Dick, D. D.	C. E.	3343 Wabash Ave., Crab Orchard, Ky.
Downton, P.	E. E.	6942 Eggleston Ave., Chicago, Ill.
Dunham, J. L.	Ch. E.	634 W. 62nd St., Chicago, Ill.
Ebert, A. A.	C. E.	2137 N. Paulina St., Chicago
Ecklund, C. A.	C. E.	79 35th St., Chicago
Evans, R. T.	M. E.	254 E. 61st St., Chicago
Fitch, J. E.	E. E.	653 Winona St., Chicago
Ford, T. C.	Ch. E.	6325 Jackson Ave., Pulaski, Ind.
Frisbie, H. C.	C. E.	6327 Woodlawn Ave., Chicago
Goheen, G. G.	E. E.	3327 Armour Ave., Manhattan, Kan.
Grassby, G. A., Jr.	M. E.	3421 State St., Chicago.
Guthrie, J. F.	E. E.	1613 Prairie Ave., Chicago.
Hagerup, Leonard O.	A.	213 Townsend St., Chicago.
Hall, A. G.	M. E.	Kenilworth, Illinois.
Hammond, Edward K.	Ch. E.	9620 Hoyne Ave., Chicago.
Harger, Kendrick	C. E.	304 Forty-ninth St., Chicago.
Harvey, James S., Jr.	M. E.	269 West Adams st., Chicago.
Heim, Karl	E. E.	3241 North Paulina St., Chicago.
Hirschfeld, George	E. E.	9838 Avenue L, Chicago.
Holmes, W. E.	M. E.	6447 Monroe Ave., Chicago.
Johnson, R. W.	C. E.	1111 George St., Chicago.
Jones, Chas. H.	E. E.	629 North Campbell Ave., Chicago.
Kahn, Lamos	E. E.	7850 Bond Ave., Chicago.
Lindsay, Curtis M.	E. E.	3343 Wabash Ave., Omaha, Nebraska
McAuley, Benjamin	M. E.	269 South Lincoln St., Chicago.
McKarahan, E. V.	F. P. E.	3219 Wabash Ave., Audubon, Iowa.
McMullen, E. W.	Ch. E.	215 East Sixty-third St., Chicago.
Mayes, Frank H.	M. E.	421 West Seventy-fifth St., Chicago.

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Meguhy, James	C. E.	3032 Wabash Ave., Barbados, W. I.
Menkin, Jesse I.	M. E.	282 Flournoy St., Chicago.
Moyses, Harry E.	E. E.	501 Forty-second Pl., Chicago.
Neu, Matthew	A.	151 Ninety-third St., Chicago.
Niestadt, Fred. A.	C. E.	365 North Hoyne Ave., Chicago.
Oberfelder, W. S.	F. P. E.	4619 Ellis Ave., Chicago.
Ostergren, Harry	E. E.	3625 Cottage Grove Ave., Chicago.
Parry, G. G., Jr.	M. E.	3249 South Park Ave., St. Joseph, Michigan.
Perrin, Arthur Alexander	E. E.	3327 Armour Ave., Manhattan, Kansas.
Peters, William H., Jr.	E. E.	3316 Indiana Ave., West Bend, Wisconsin.
Peterson, Ivan	C. E.	13240 Osgood St., Chicago.
Petty, E. W.	E. E.	4131 Berkeley Ave., Chicago.
Pinkerton, E. M.	E. E.	3311 Vernon Ave., Inland, Nebraska.
Richards, T. E., Jr.	C. E.	6510 Madison Ave., Chicago.
Riker, A. C.	E. E.	6414 Wabash Ave., Blair, Nebraska.
Rose, Herbert	E. E.	5732 Prairie Ave., Chicago.
Schlinz, H. W.	C. E.	681 Lincoln Ave., Chicago.
Schueler, Wm.	E. E.	3248 Indiana Ave., La Salle, Illinois.
Shedd, Milton C.	M. E.	3302 Indiana Ave., El Paso, Texas.
Simpson, Tracy W.	E. E.	5432 Lexington Ave., Chicago.
Smith, Hallam C.	Ch. E.	3219 Wabash Ave., Sugar Grove, Illinois.
Spitzglass, J. L.	M. E.	663 North Robey St., Kiev, Russia.
Stadeker, Gilbert I.	E. E.	4807 Champlain Ave., Chicago.
Stillman, E. H.	M. E.	5408 Monroe Ave., Chicago.
Strong, A. P.	E. E.	179 North Elmwood Ave., Chicago.
Sturtevant, R. W.	C. E.	2950 Calumet Ave., Chicago.
Tregay, John	F. P. E.	307 Walnut St., Chicago.
Urson, Frank J., Jr.	C. E.	1602 Humboldt Blvd., Chicago.
Valerio, Guisseppe M.	E. E.	335 South Halsted St., Chicago.
Van Etten, F. C.	E. E.	4806 Indiana Ave., Chicago.
Von Guaten, Orlando	A.	2604 Prairie Ave., Conneaut, Ohio.
Waldo, Alfred T.	A.	286 North Trumbull Ave., Columbus, Wis.
Walther, Ralph, A.	C. E.	6436 Lowe Ave., Chicago.
Youngberg, Harry W.	C. E.	1182 North Maplewood Ave., Chicago.
Zanzig, F. C.	E. E.	3200 Indiana Ave., Milwaukee, Wisconsin.

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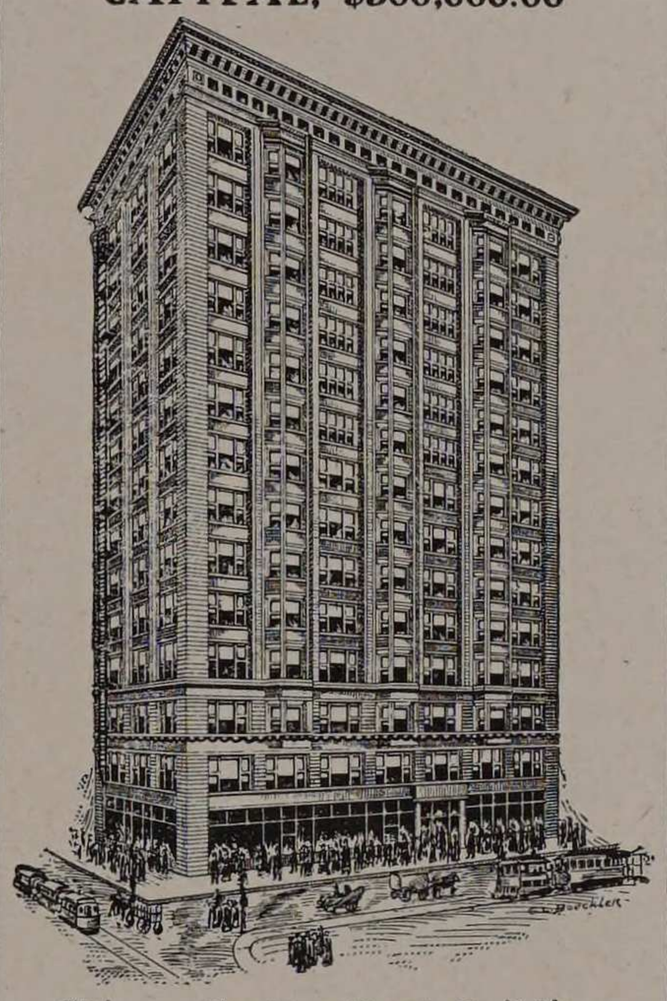
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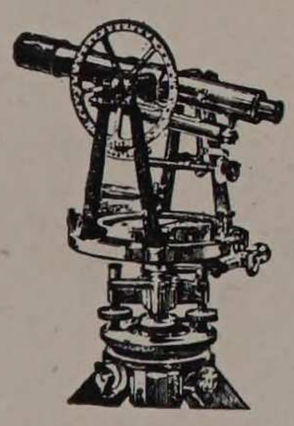
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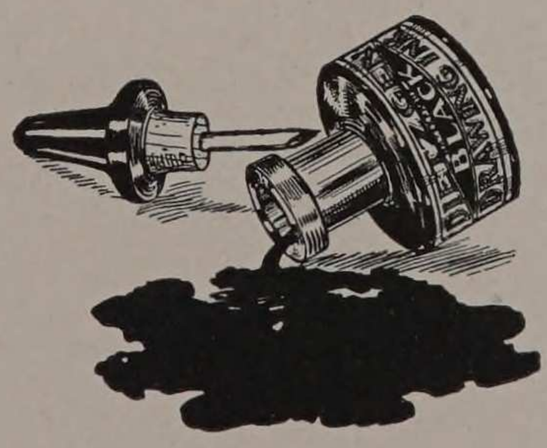
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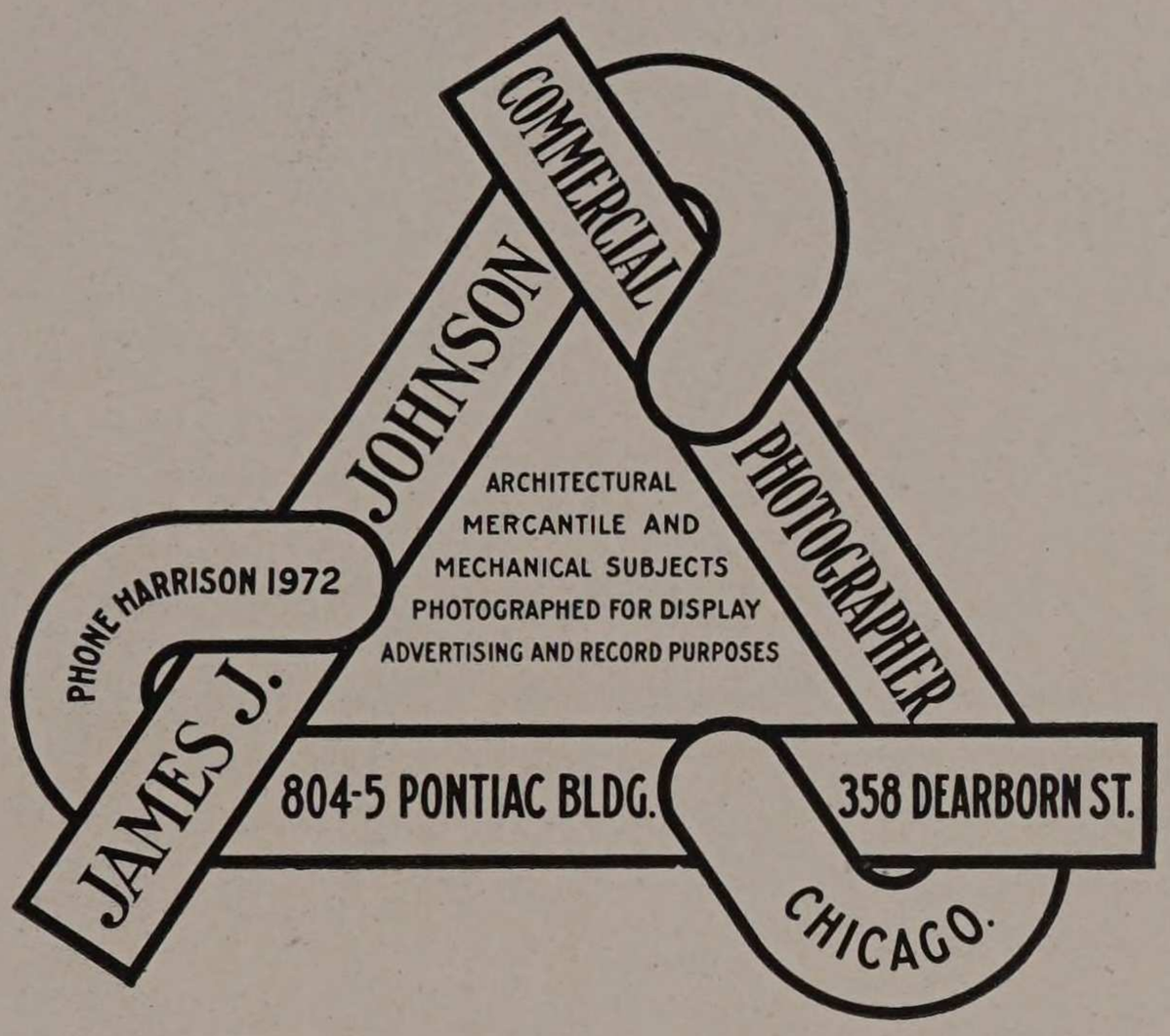




Junior Class

Alschlager, W. W.		A.	1458 North California Ave., Chicago.
Ambrose, R. B.		M. E.	6437 Star Ave., Chicago.
Anderson, A. G.		C. E.	428 Thirty-fourth St., Chicago.
Baer, W. J.		E. E.	3135 Vernon Ave., Chicago.
Bailey, C. C.		E. E.	3340 Armour Ave., Newton, Kansas.
Bajari, W. R.		A.	4717 Kimbark Ave., Calumet, Michigan.
Barrows, F. E.		Ch. E.	908 East Sixtieth St., Augusta, Maine.
Baughman, I. N.		M. E.	418 East Thirty-fourth St., Marseilles, Illinois.
Bentley, P. D.		A.	3316 Indiana Ave., LaCrosse, Wisconsin.
Bergbom, A. T.		M. E.	1503 North Talman Ave., Chicago.
Bolte, E. E.		M. E.	3757 Ellis Ave., Chicago.
Bowman, D. W.		A.	428 East Thirty-fourth St., Kearney, Missouri.
Brant, Paul		Ch. E.	5812 Wabash Ave., Chicago.
Buck, G. W.		C. E.	6430 Green St., Chicago.
Byers, A. A.		M. E.	Thornton, Illinois.
Calvin, Reed		E. E.	5815 Jackson Ave., Meadville, Pennsylvania.
Carlson, H. W.		M. E.	258 Walnut St., Chicago.
Clark, L. D.		A.	3306 Wabash Ave., Freeport, Illinois.
Cole, V. E.		C. E.	7057 Normal Ave., Chicago.
Cooper, D. A.		E. E.	2725 Calumet Ave., Chicago.
Cook, A. T.		A.	393 Thirty-third St., Onaga, Kansas.
Crocker, A. H.		M. E.	1676 Barry Ave., Chicago.
Daly, J. J.		M. E.	5015 Calumet Ave., Chicago.
Deveney, W. J.		C. E.	3336 Wabash Ave., Chicago.
Eckert, J. M.		C. E.	1634 North Clark St., Chicago.
Eliel, R. G.		C. E.	1325 Dakin St., Chicago.
Gault, M. E.		E. E.	135 Orchard St., Winfield, Kansas.
Gentry, T. E.		M. E.	Hotel Metropole, Webb City, Missouri.
Glick, H. D.		E. E.	372 West Fourteenth St., Chicago.
Godfrey, F. O.		E. E.	2232 Congress St., Chicago.
Gray, R. L.		E. E.	6533 Lexington Ave., Gisborne, New Zealand.
Grenoble, H. S.		M. E.	4312 Champlain Ave., Chicago.
Guthier, R. E.		C. E.	2633 North Sixty-seventh Ave., Chicago.
Hall, Robert		M. E.	4425 Indiana Ave., Chicago.
Hand, H. C.		C. E.	945 Warner Ave., Chicago.
Hatman, J. G.		M. E.	3653 Calumet Ave., Milwaukee, Wisconsin.
Henwood, P. E.		M. E.	3241 Prairie Ave., Hancock, Michigan.
Hoffman, R. J.		M. E.	979 Polk St., Chicago.
Hooper, Lawrence		A.	426 Thirty-fourth St., Winnipeg, Canada.
Hotchkin, E. W.		F. P. E.	127 North Fifty-first Court, Chicago.
Howenstein, W. K.		A.	1095 Sherwin Ave., Chicago.
Jens, W. G.		C. E.	3339 Armour Ave., Rock Island, Illinois.
Kallis, Maurice		E. E.	525 South Winchester Ave., Chicago.
Keeler, H. B.		E. E.	5525 Monroe Ave., Chicago.
Kellner, O. R.		C. E.	744 Sedgwick St., Chicago.
Kellner, W. A.		C. E.	744 Sedgwick St., Chicago.
Kimball, N. F.		M. E.	3337 Armour Ave., Oshkosh, Wisconsin.
Kinzel, A. J.		M. E.	217 Sunnyside Ave., Chicago.
Kloman, R. S.		C. E.	2943 Wabash Ave., Chicago.
Kuehne, J. H.		E. E.	Chicago Heights, Illinois.
Leavell, R. J.		M. E.	1339 Garfield Blvd., Chicago.
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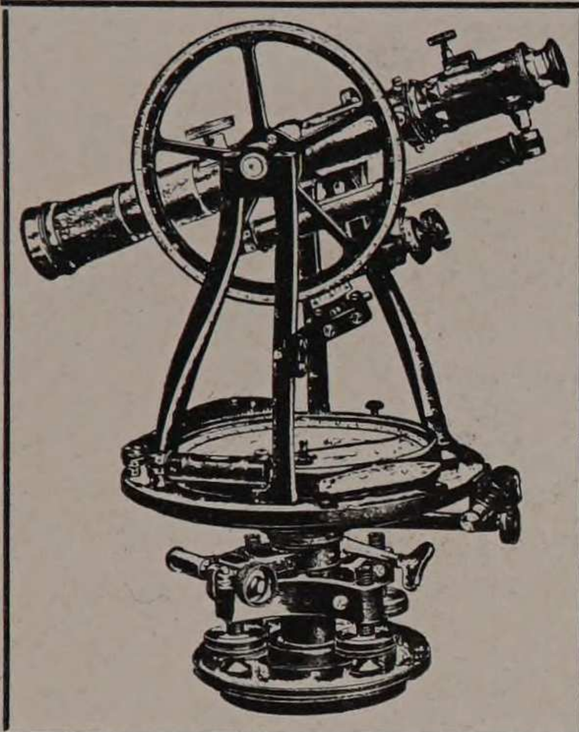
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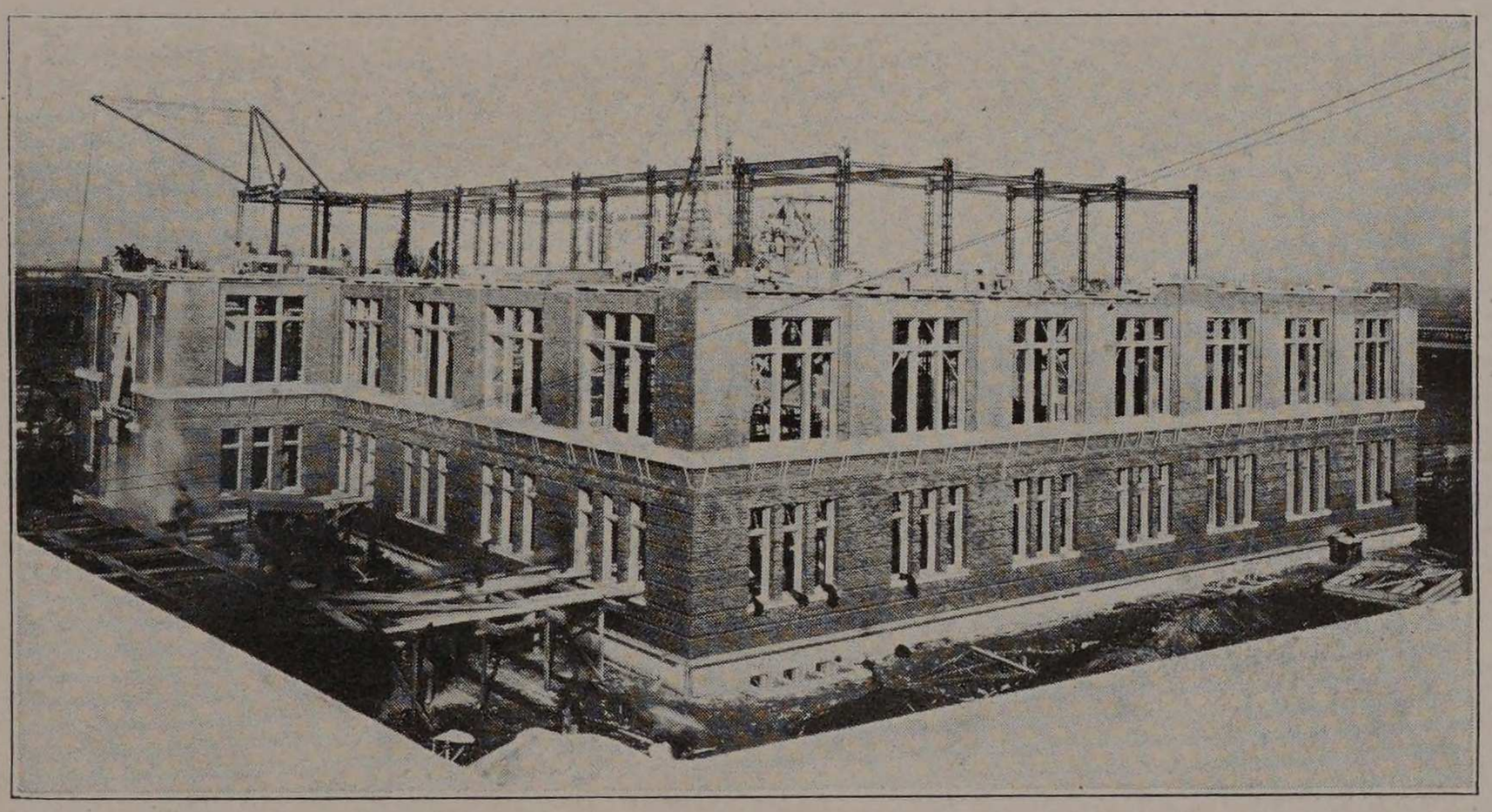
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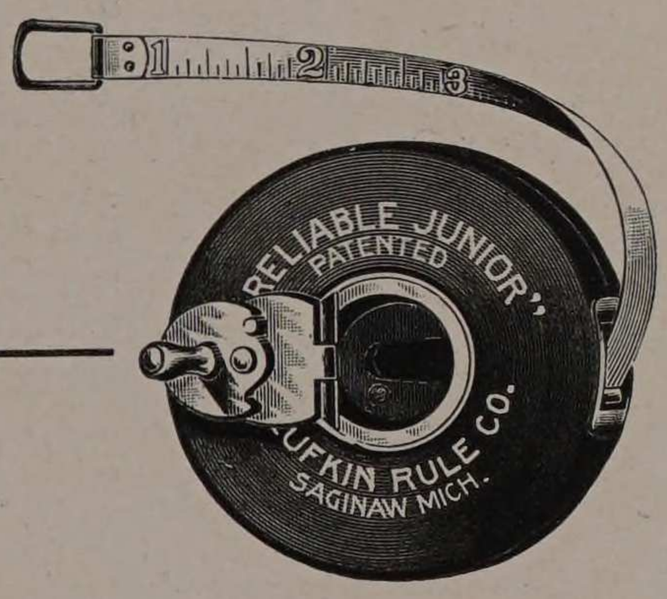
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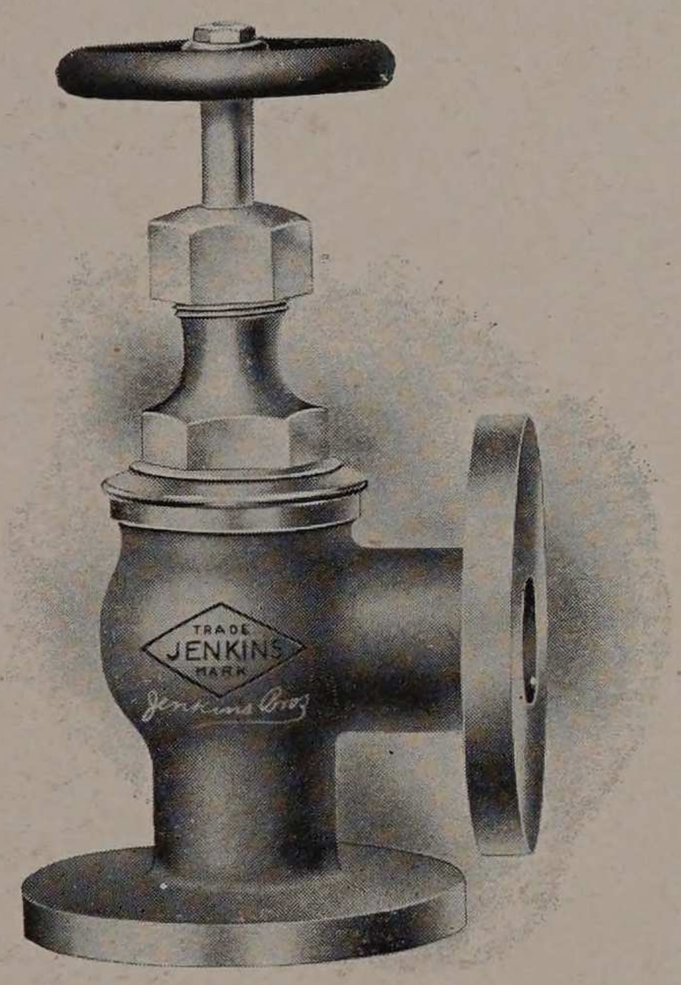
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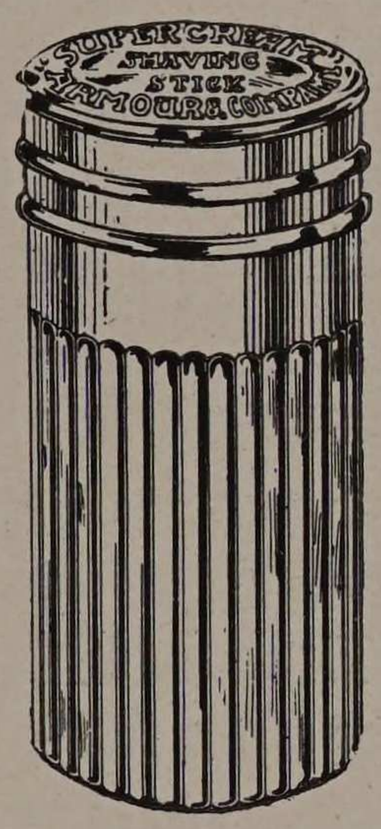
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No! We do not need a course in English

The following is a bona fide copy of an excerpt from a Sophmore examination paper.

Let a hammer weigh ... travel with veloc. of 20 ft/sec. and drive a nail $\frac{1}{2}$ in. into a piece of wood.

$Fh = \frac{1}{2} m v^2$ ... $\frac{1}{24} F = \frac{1}{2} \cdot \frac{10}{32} \cdot (20)^2$



Scotland and Russia have linked hands to place us all deep in Math's dungeon.

BANQUET NOTES



Lobster Dressing.

In Mechanics of Materials

Sleeper (*Reciting*)— "Now fifty pounds at the center is equivalent to one hundred pounds at the ends, and"—

"Pa"—"You ought to keep a grocery store."

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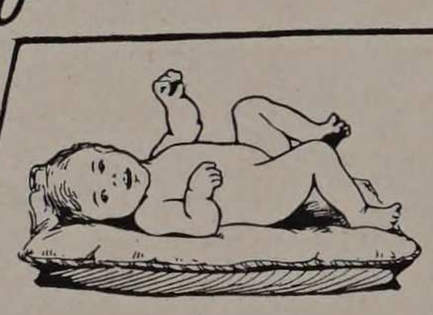
Now Supposing

You'd chased every "Prof." in school for his picture--or to go to the studio and have one made; and you'd got 'em all—but one. And then you'd asked that one, every day, to go to the photographer and have "his made" and he didn't do it. And then you'd gone to the Deans, and got them on his trail, and then he took a pair of shears and cut this mite from a postal card; would'nt it make you mad?



"Doc" Campbell's Problem

$$\int_a^b \sqrt{\quad} \; dx$$



Let a=baby's cerebral capacity
" b=the Doc's intellectual capacity
" x=baby's future career
It is required to find "x."

Overheard in the Lunch Room

Nervous man, (evidently in a hurry) "Where can I find Mr. Larson?

Accommodating Stude, (destroying some of the Captain's beans) Why I think he went over to the Greek's on State street for his lunch.

Clipped from "The Journal's" Pugilistic Notes.

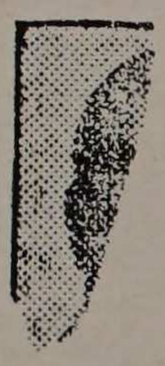
orfeit
g Nelson

n]
9.—Freddie
s here for
ladelphia.
meet
The

on Athletic association is now . . . in its new clubhouse, 251 East Twenty-sixth street.

Lucas Letterman, a Canadian 130-pounder, and Kid Kimbal of Oshkosh will fight at Hammond for the championship of Armour flats. This bout will be to a finish. W. De Viney will referee.

Young Loughrey is credited with best- Unk Russell at Philadelphia last night ey used ver



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