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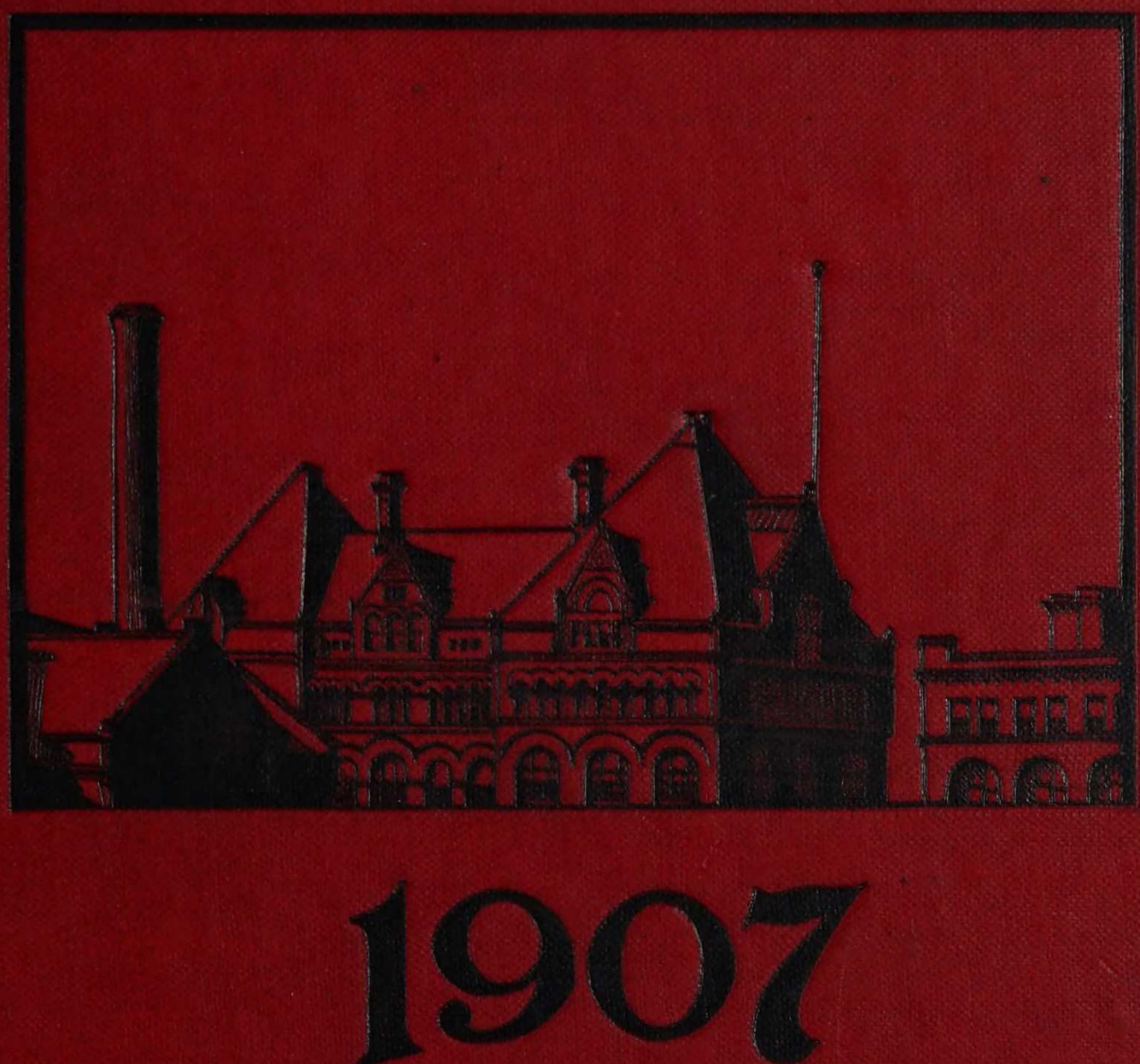

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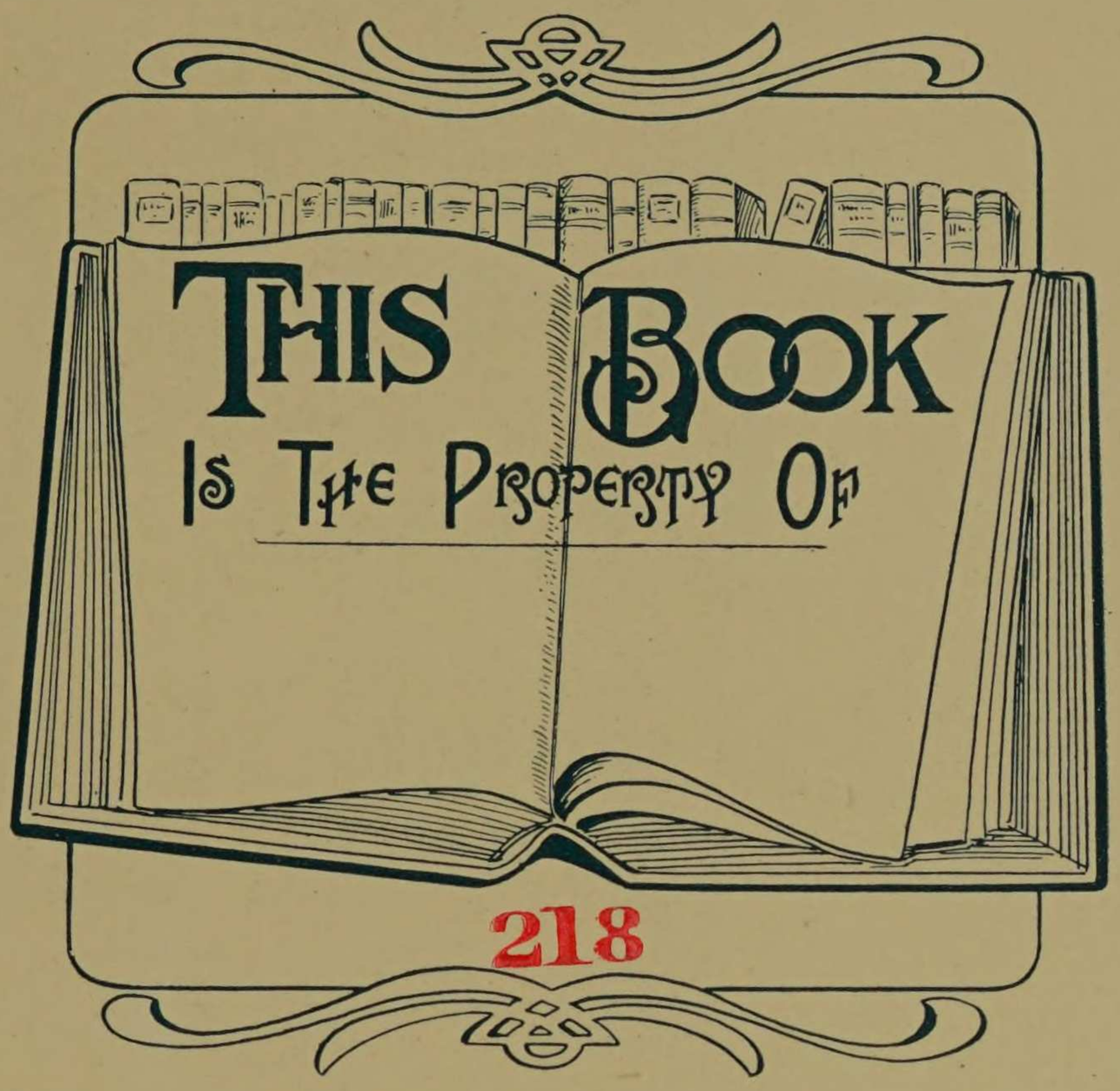
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The Integral

The Student Annual

of

Armour Institute of Technology

Chicago, Illinois

Published by

The Integral Board for The Junior Class of
The College of Engineering

Volume Nine: Nineteen Hundred and Seven

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The Year Book of the Class of 1908



To

MR. SIMEON B. CHAPIN

In recognition of his loyal services and friendship
for the students of Armour Institute
of Technology, this book is
respectfully dedicated.



To

MR. SIMEON B. CHAPIN

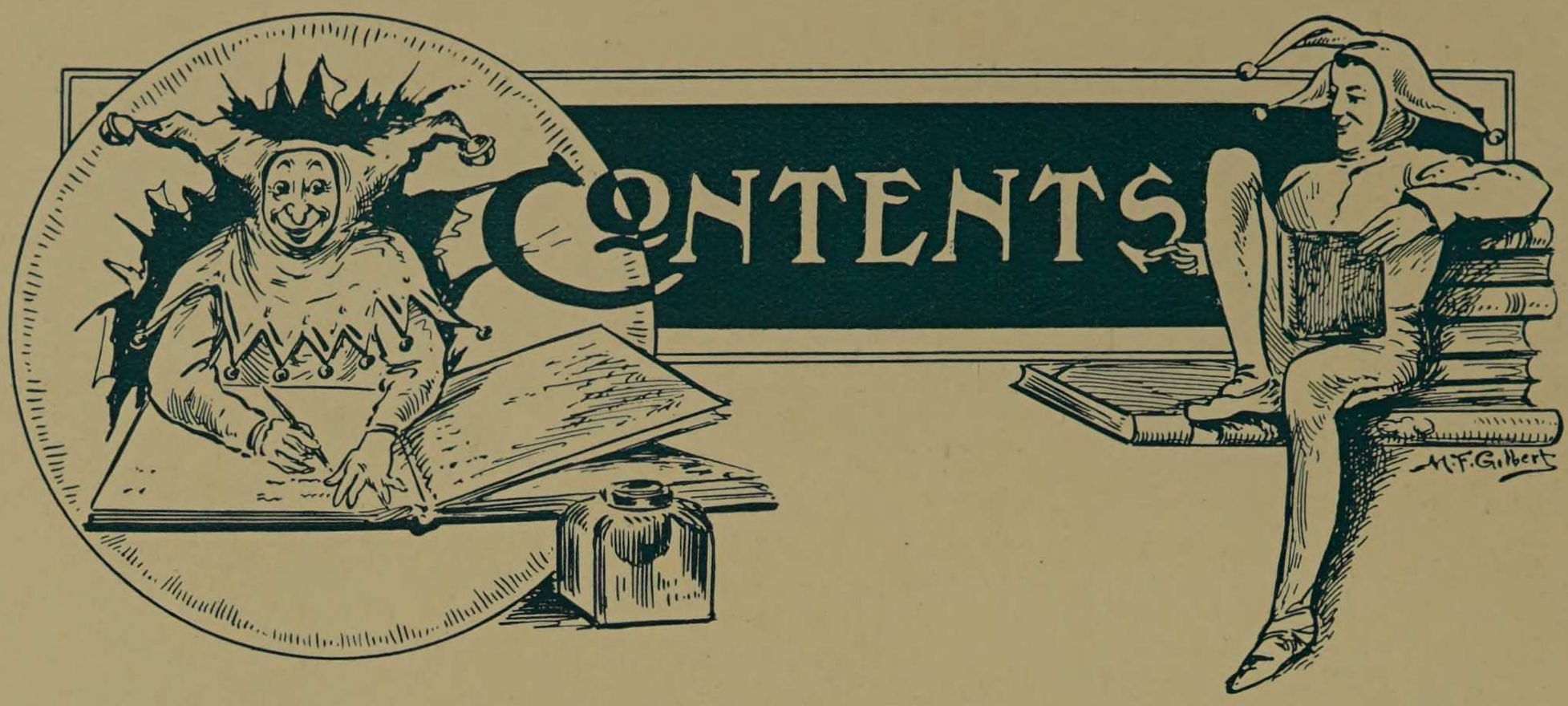
In recognition of his loyal services and friendship
for the students of Armour Institute
of Technology, this book is
respectfully dedicated.



GREETING

1908

WITH a modesty born of our knowledge of the tremendous zeal and splendid ability with which our predecessors have recorded Armour history, but with unbounded faith in the assured success of honest endeavor, we present, with our greeting, this ninth volume of The Integral, the Book of the Class of 1908.



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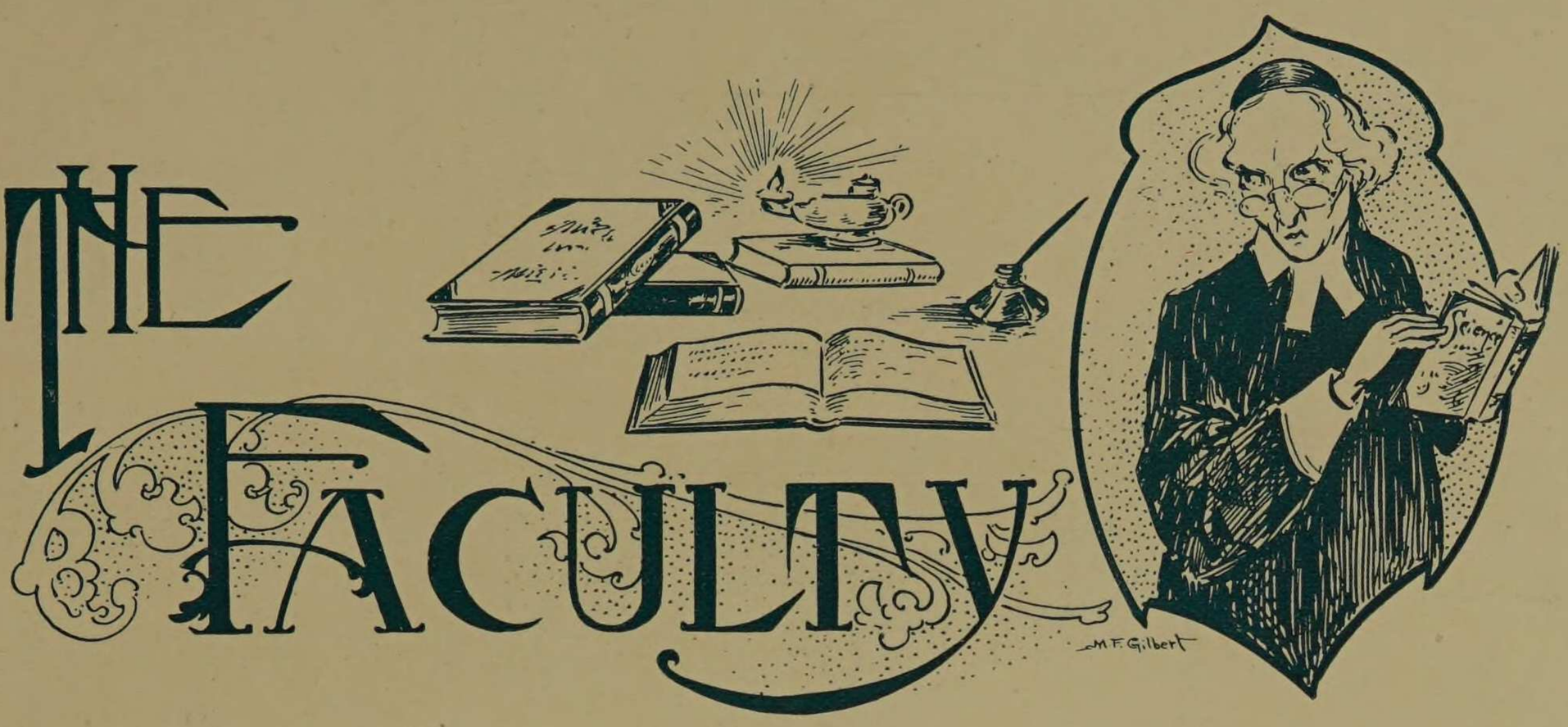

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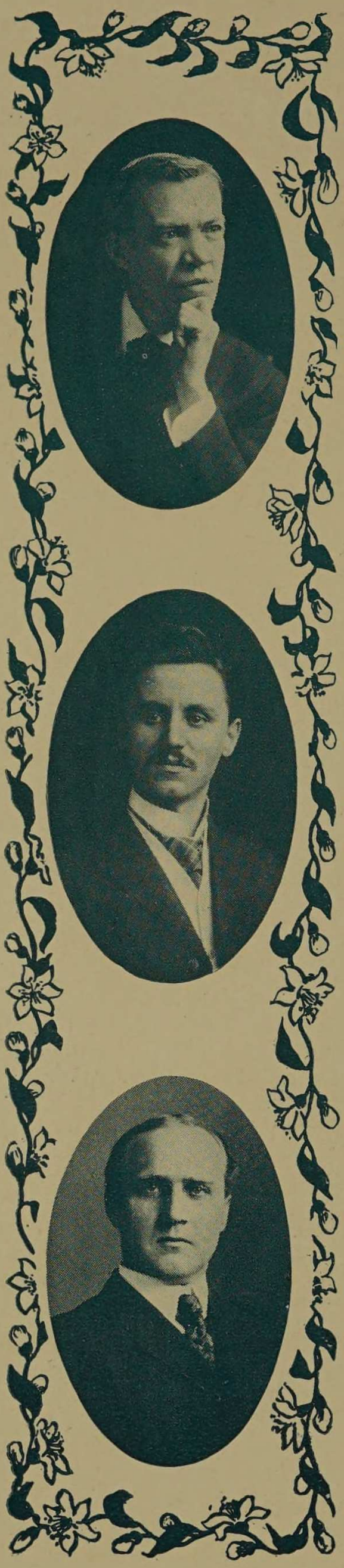

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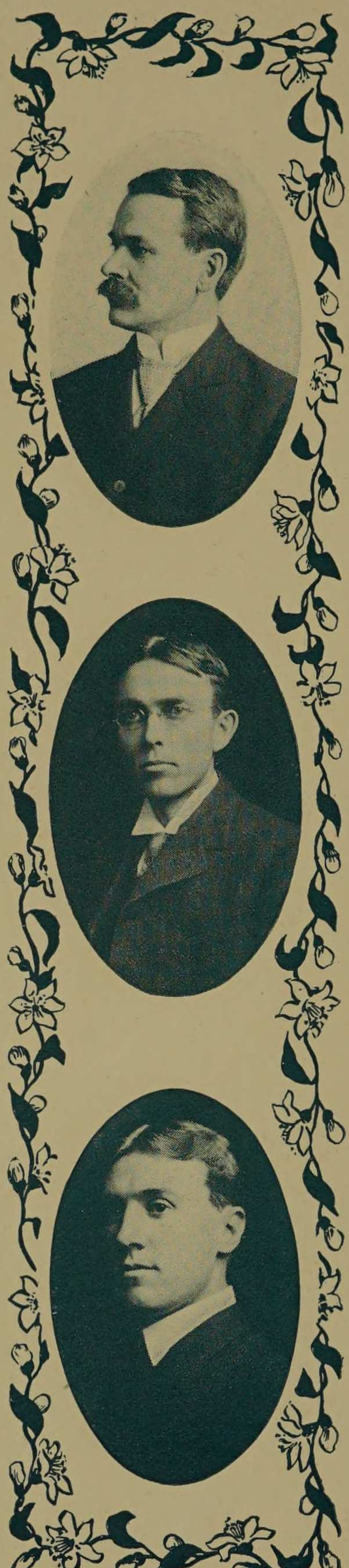

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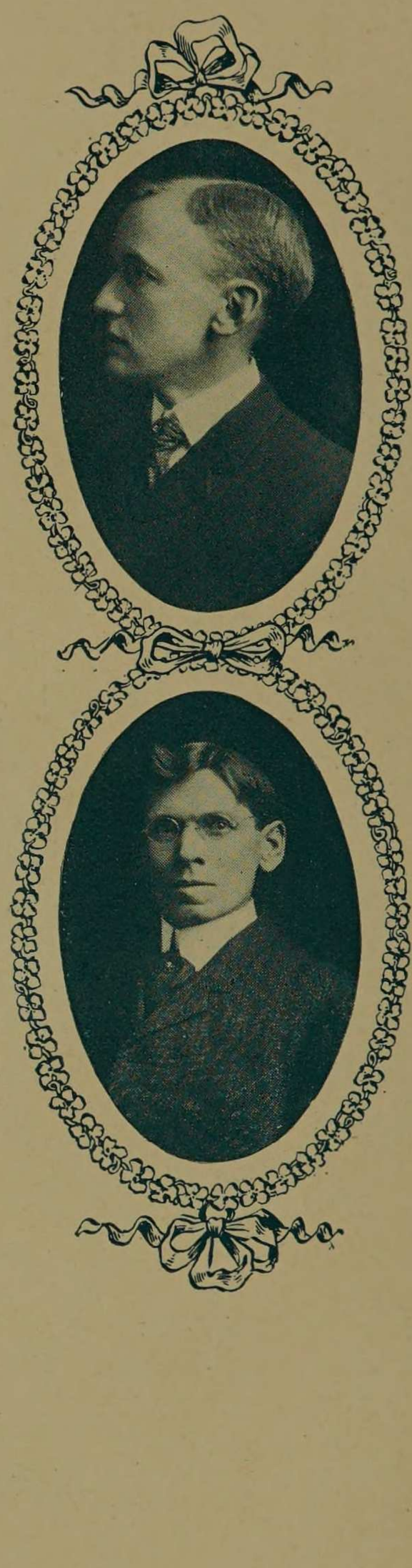

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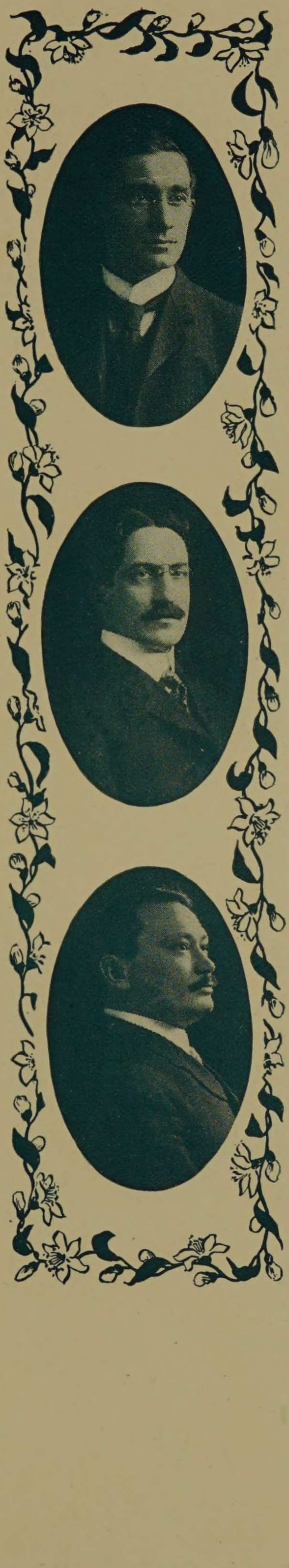

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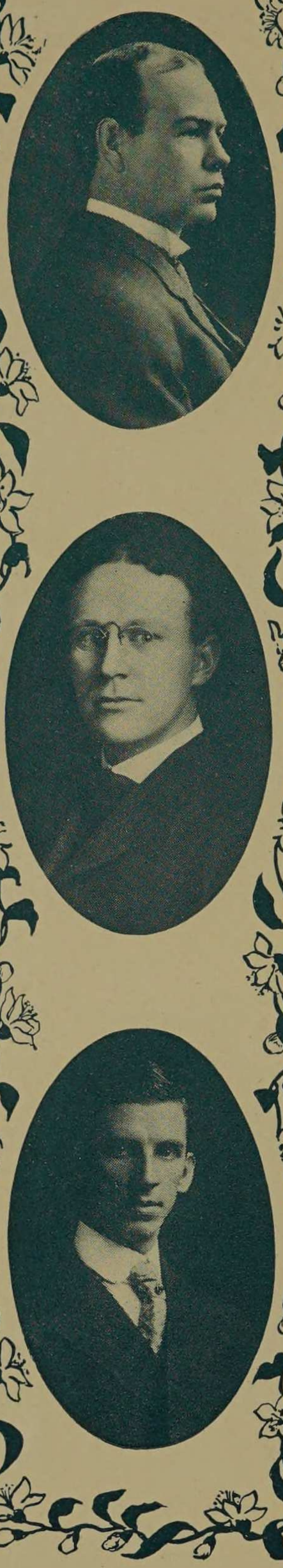

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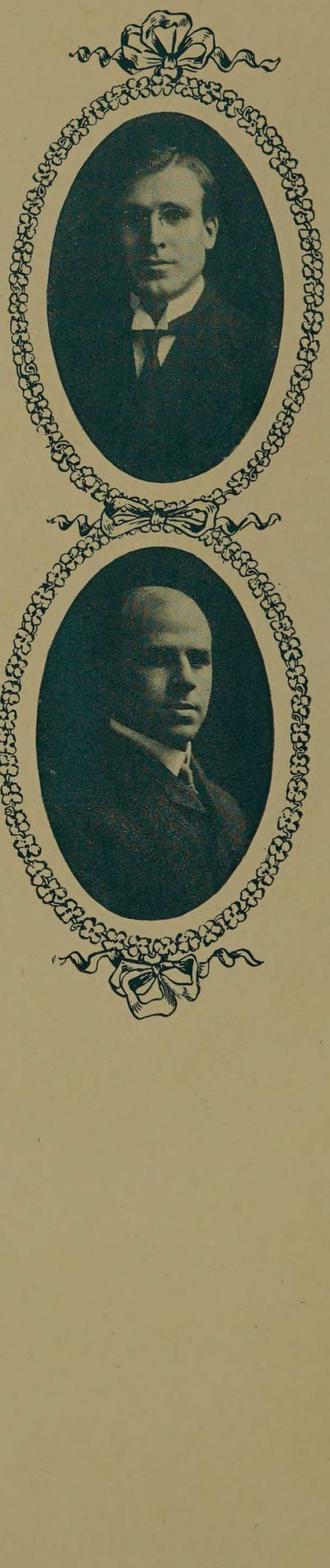

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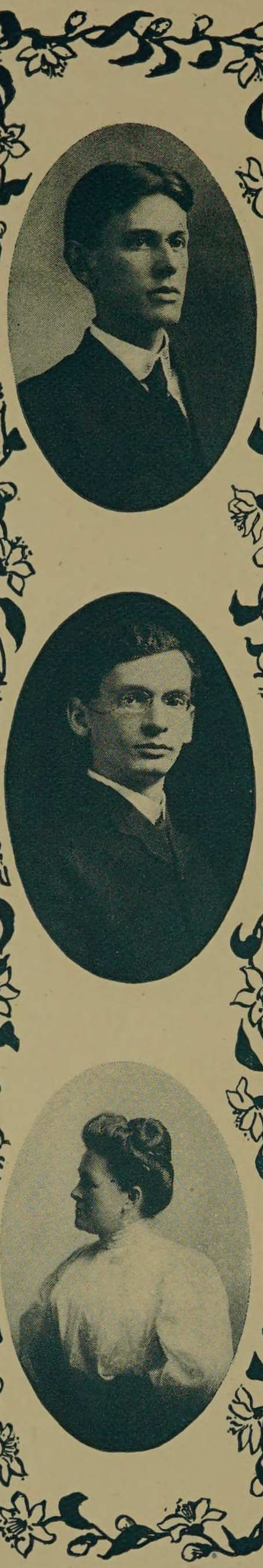

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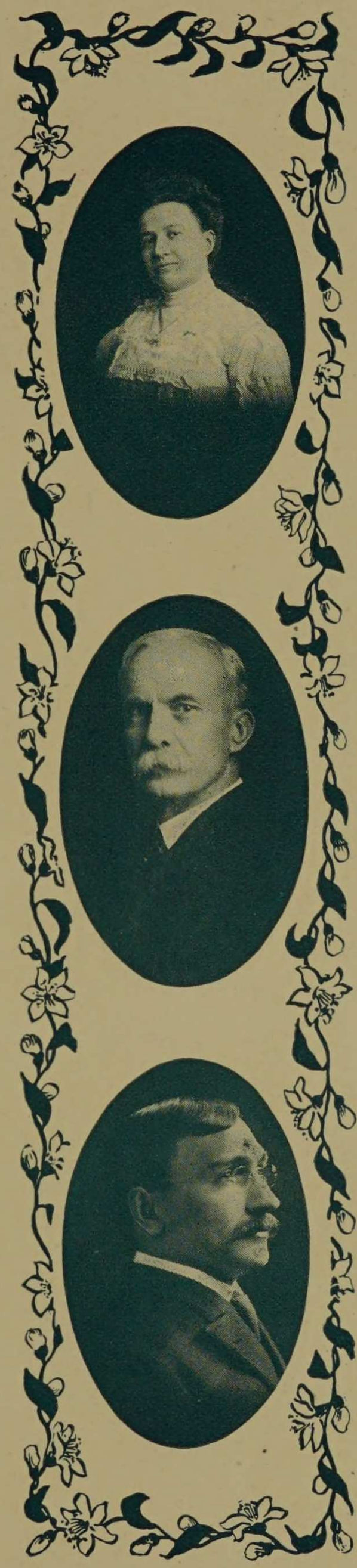

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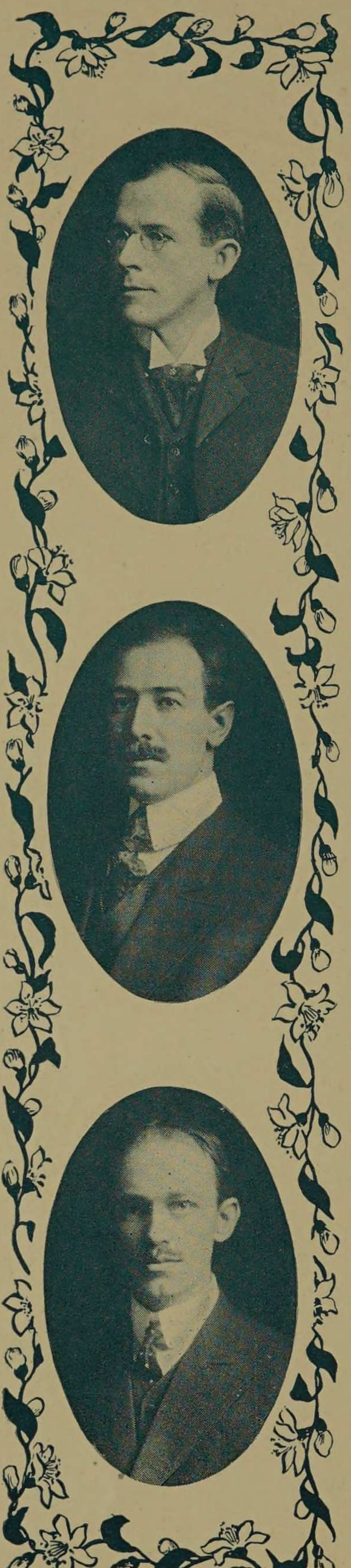

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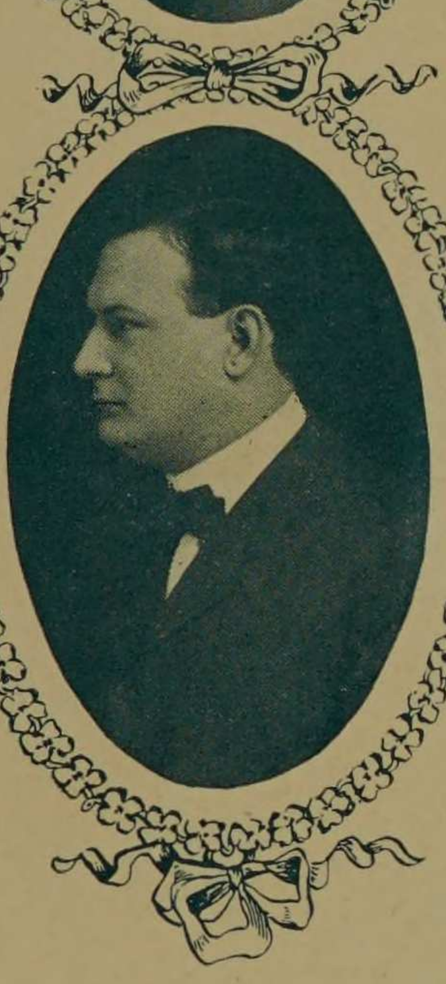

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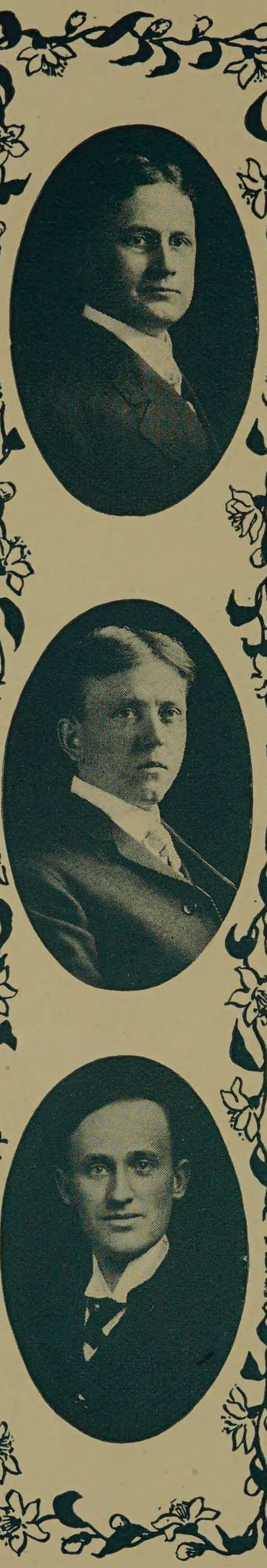

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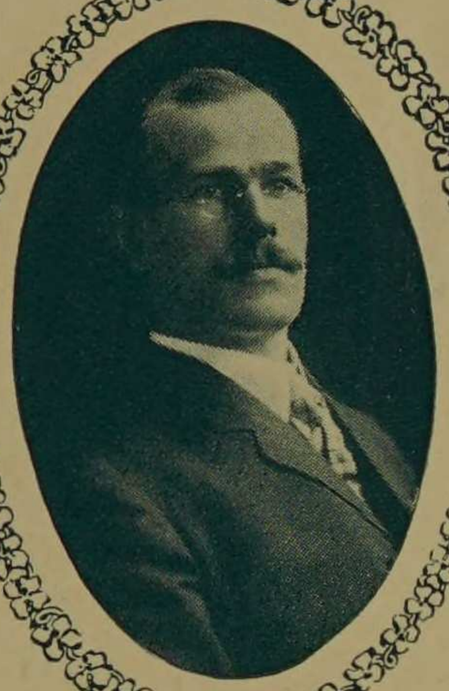

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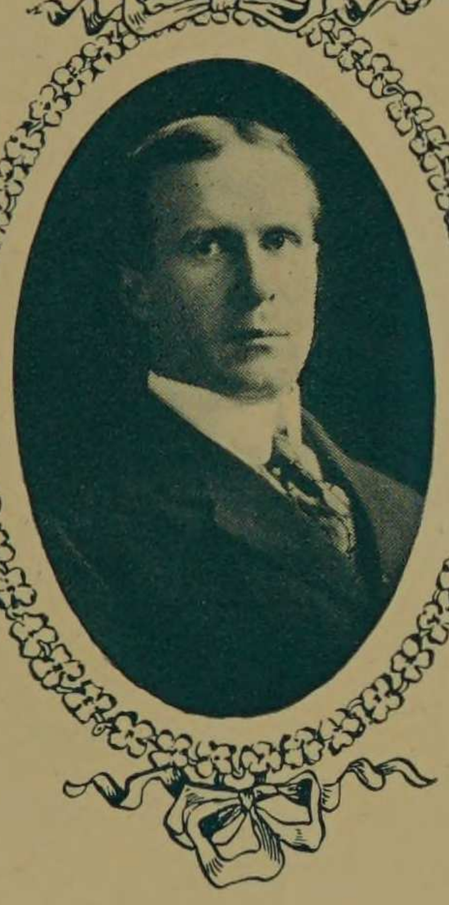

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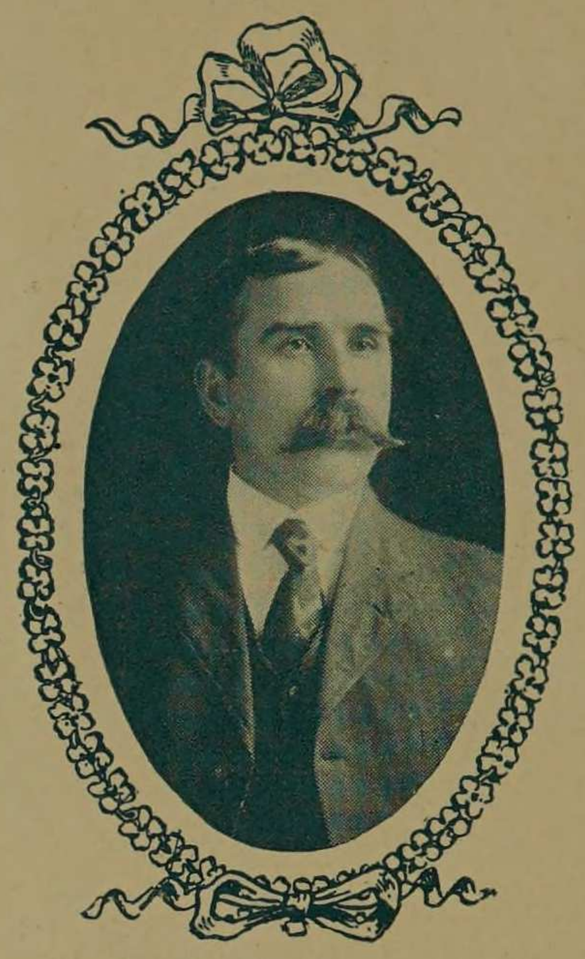

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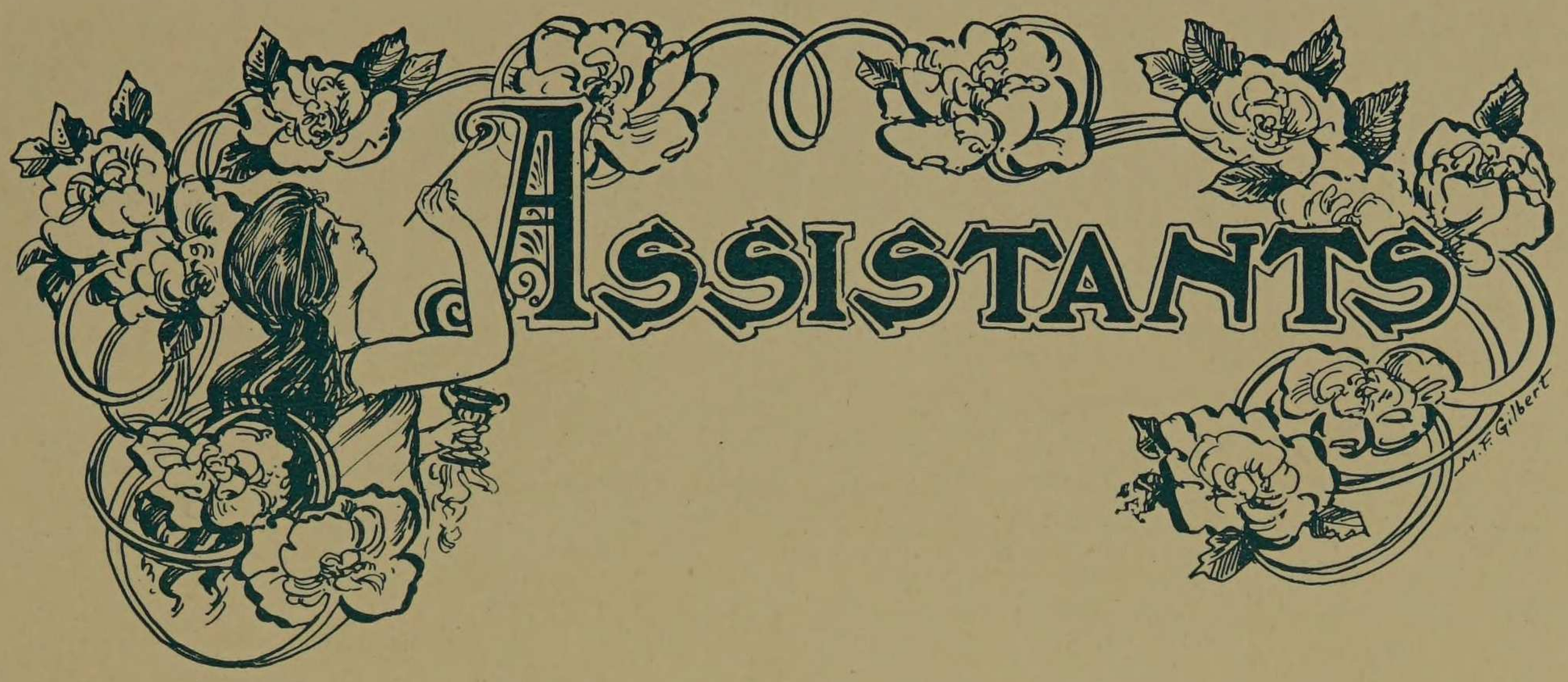
Instructor in Forging.
Birthplace, Glasgow, Scotland. Residence, 1194 East 59th Street



Margaret E. Grafius	*Assistant Librarian*
Henry George Clasen	*Record Clerk*
Carl R. Hammer	*Assistant to Registrar*
Robert Martin	*Assistant in the Office of the Registrar*
Jane L. Forrest	*Stenographer in the Office of the Deans*
Norma G. Erickson	*Stenographer in the Office of the Comptroller*
T. F. Cornell	*Assistant in the Gymnasium*
Emily L. Nicols	*Assistant in the Library*
A. E. Dean	*Curator of the Chemical Laboratories*
Charles Stridiron	*Assistant in the Office of the President*
Dayton Smith	*Assistant in the Office of the Deans*
H. W. Bulkley	*Stenographer in the Mechanical Department*

Dwight B. Ramsey	*Chief Engineer at Power Plant*
John Allen	*Assistant Engineer at Power Plant*
James O. Mulvey	*Mechanician*
Arthur F. Ellis	*Mechanician*
Louis Falk	*Mechanician*
George Hermansen	*Assistant in the Mechanical Laboratories*
Thomas McGrath	*Assistant in the Foundry*
Michael Maloney	*Assistant in the Forge Shop*
Claud D. Bowman	*Electrician*
William Toranges	*Assistant in the Mechanical Laboratories*
Edward Prosser	*Assistant in the Pattern Shop*
Charles H. Fornhof	*Assistant in Machine Shop*
Samuel A. Todd	*Assistant in the Electrical Laboratories*
J. O. Blachford	*Mechanician*

The Institute

History

Armour Institute of Technology, as it is to-day, is the result of a gradual development of the ideas which originated in connection with the work of the Armour Mission, and for which credit is largely due to our most esteemed librarian, Mrs. Julia A. Beveridge. In 1886 Armour Mission was first opened, and, thru the efforts of Mrs. Beveridge, Saturday classes in manual training were started the following year.

The success with which this work met attracted the attention of Mr. Philip D. Armour, and, seeing the possibility of giving increased opportunities to young men and women, he decided that the work so well started should be extended to cover a larger field. Thus, in 1892, Armour Institute of Technology was founded, work on the present main building was started, and in September of 1893 the first regular classes were organized.

For the next seven or eight years after this time, many different lines of instruction were taken up and experimented with. Some of these courses were dropped after a short time, while others were developed more fully. Meantime the number of students in attendance gradually increased, and thus in 1902, in order to relieve the crowded conditions, Machinery Hall was erected and the workshops were removed from the main building. However, while the accommodations for a technical education were being enlarged, the health and comfort of the students were not being neglected, for in 1904, thru the efforts of Mr. F. U. Smith, a place for recreation and the manly sports was obtained by the presentation to the institute of Ogden Field.

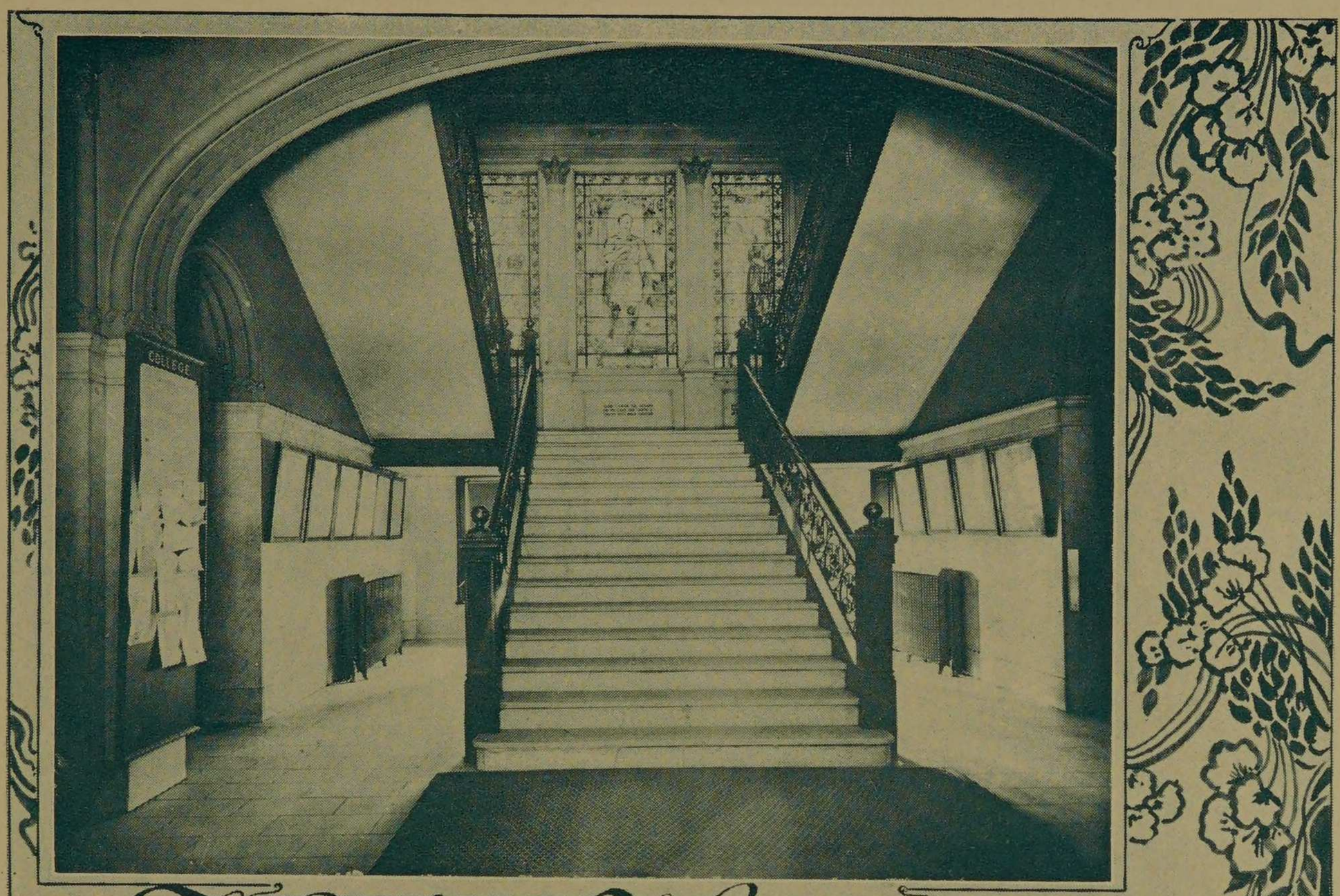
Thus, since its founding in 1892, the institution has been tending toward a strictly technical school, and its original aim, the making of men, has given us Armour Institute of Technology as it is to-day.



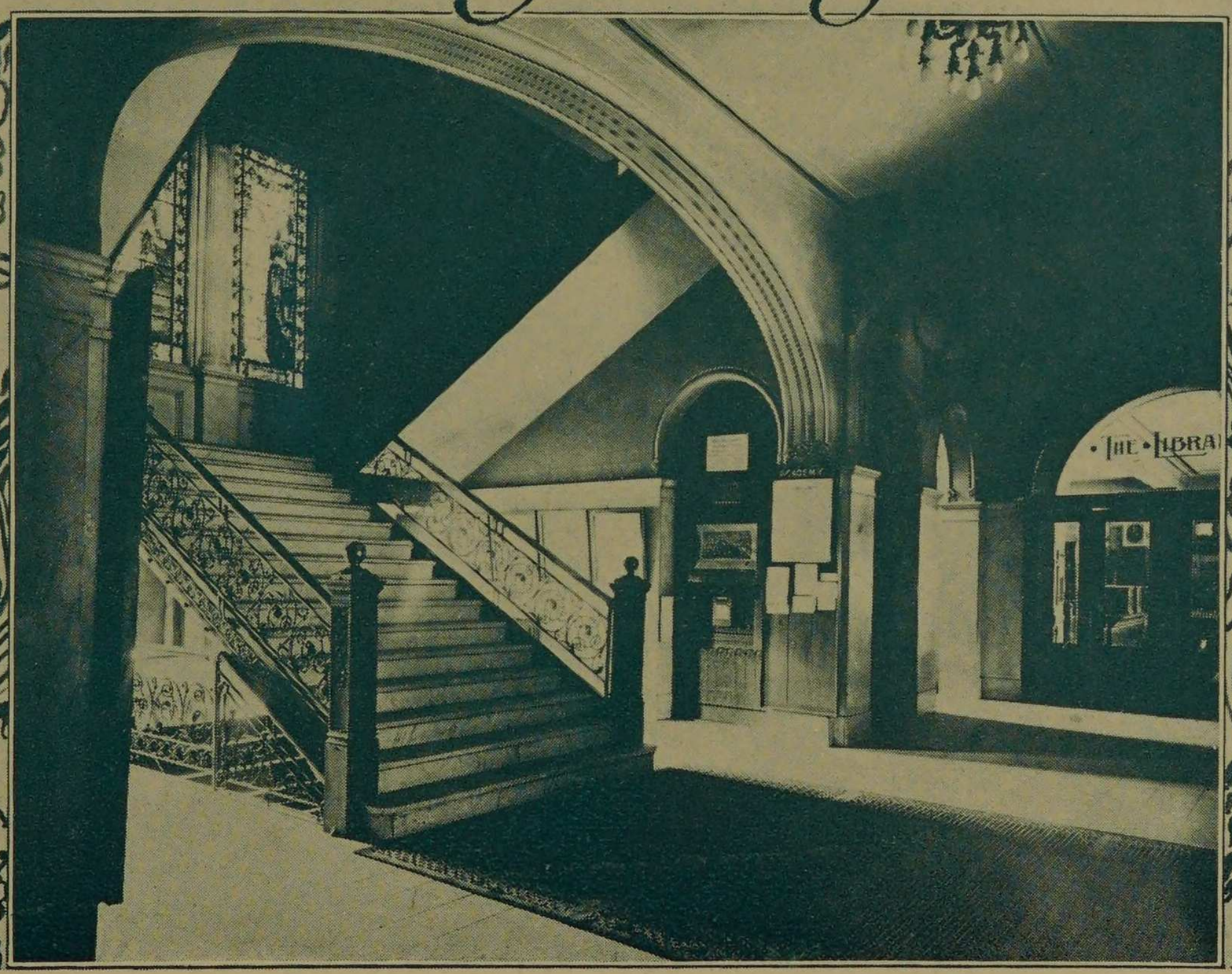
THE INSTITUTE BUILDINGS FROM OGDEN FIELD



ENTRANCE TO MAIN BUILDING



The Main Hallway.





THE LIBRARY



Miss E. Nichols

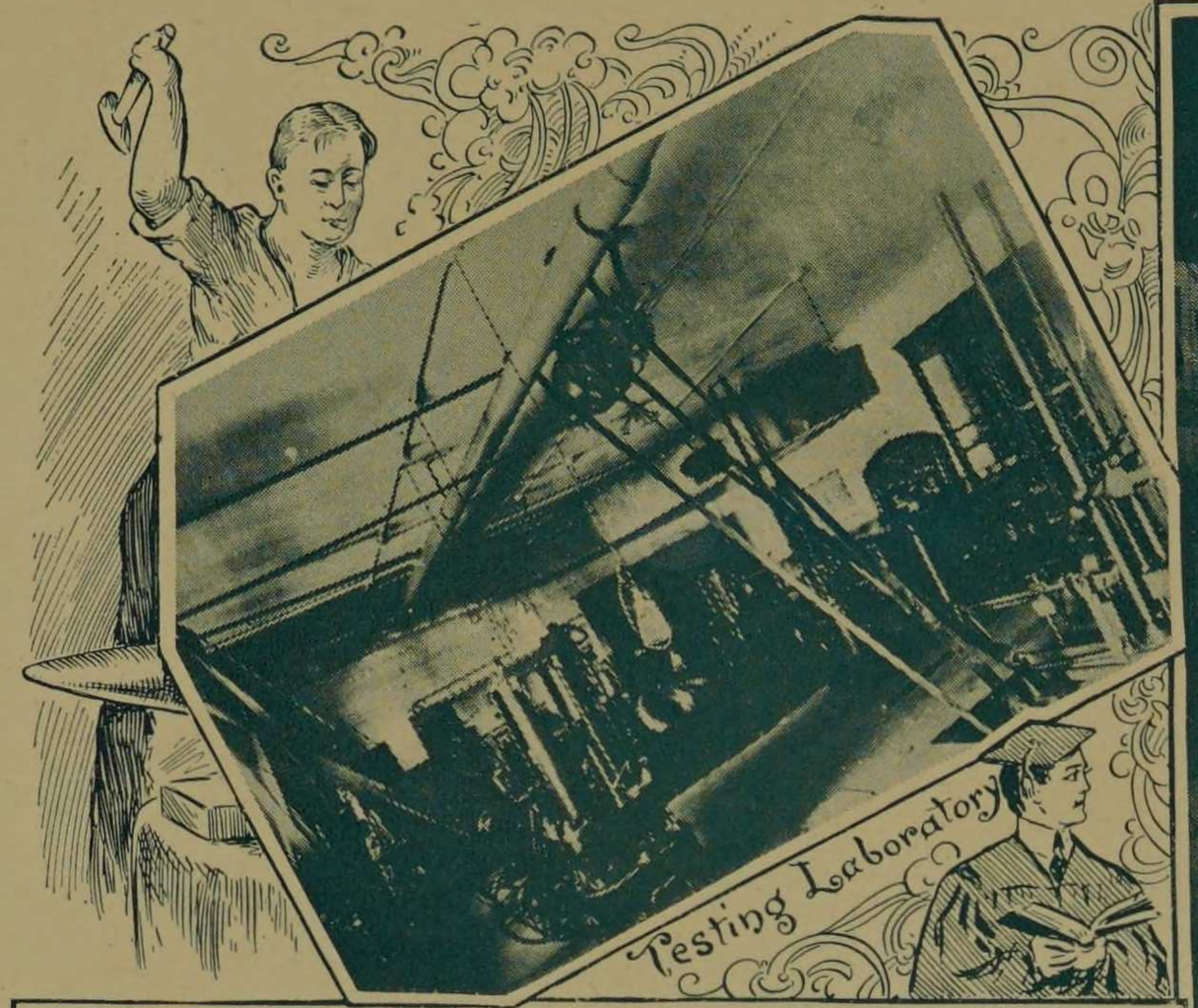


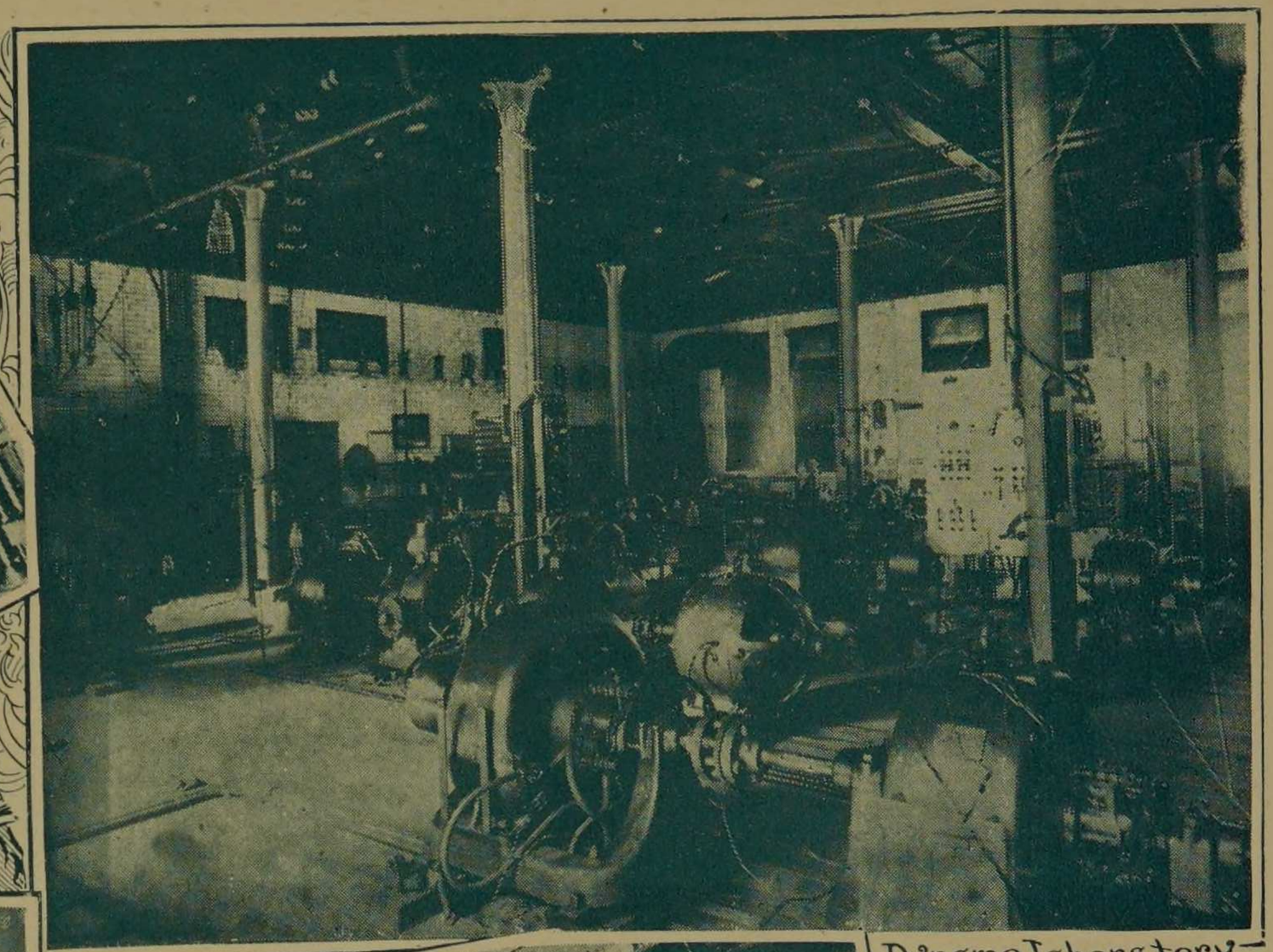
Mrs. Julia Beveridge.



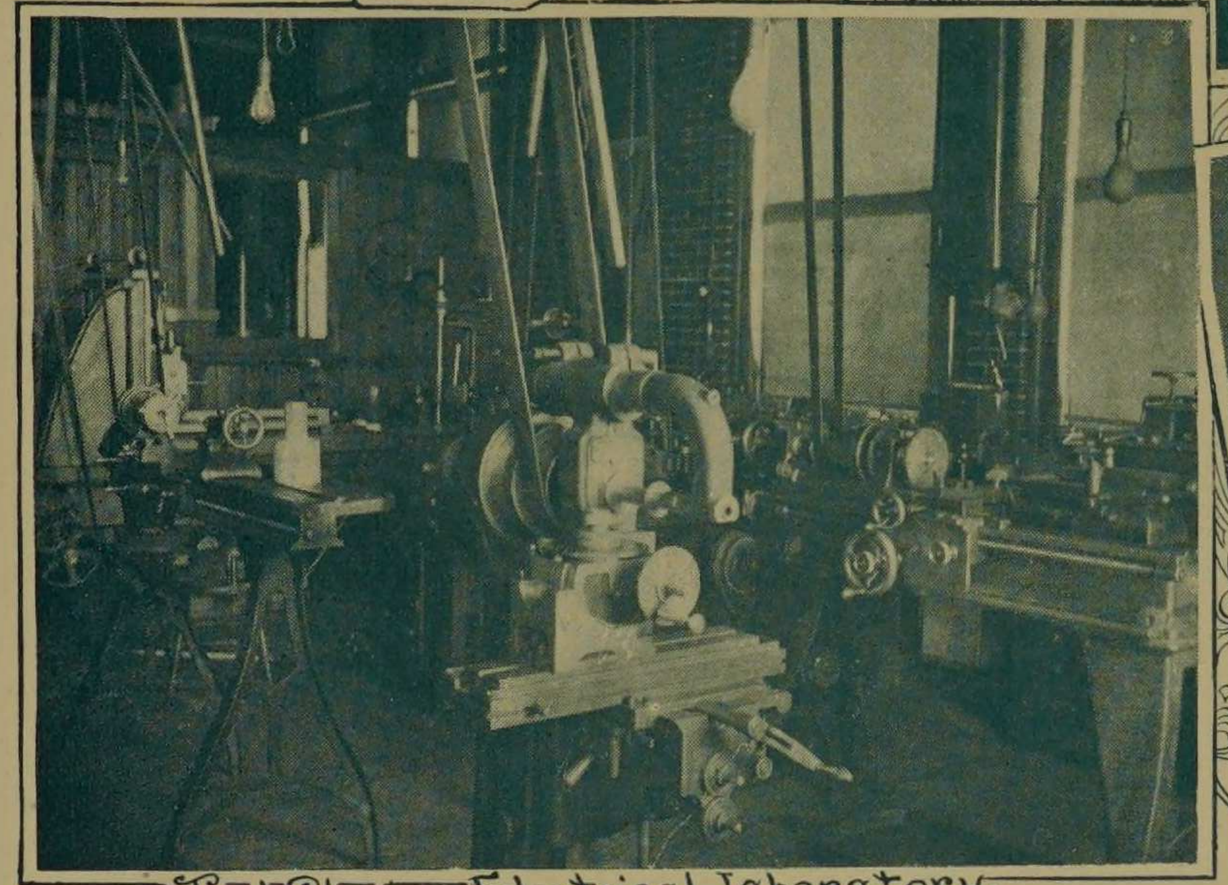
Miss M. Graffius

M. F. Gilbert





Dynamo Laboratory



Tool Shop. — Electrical Laboratory.



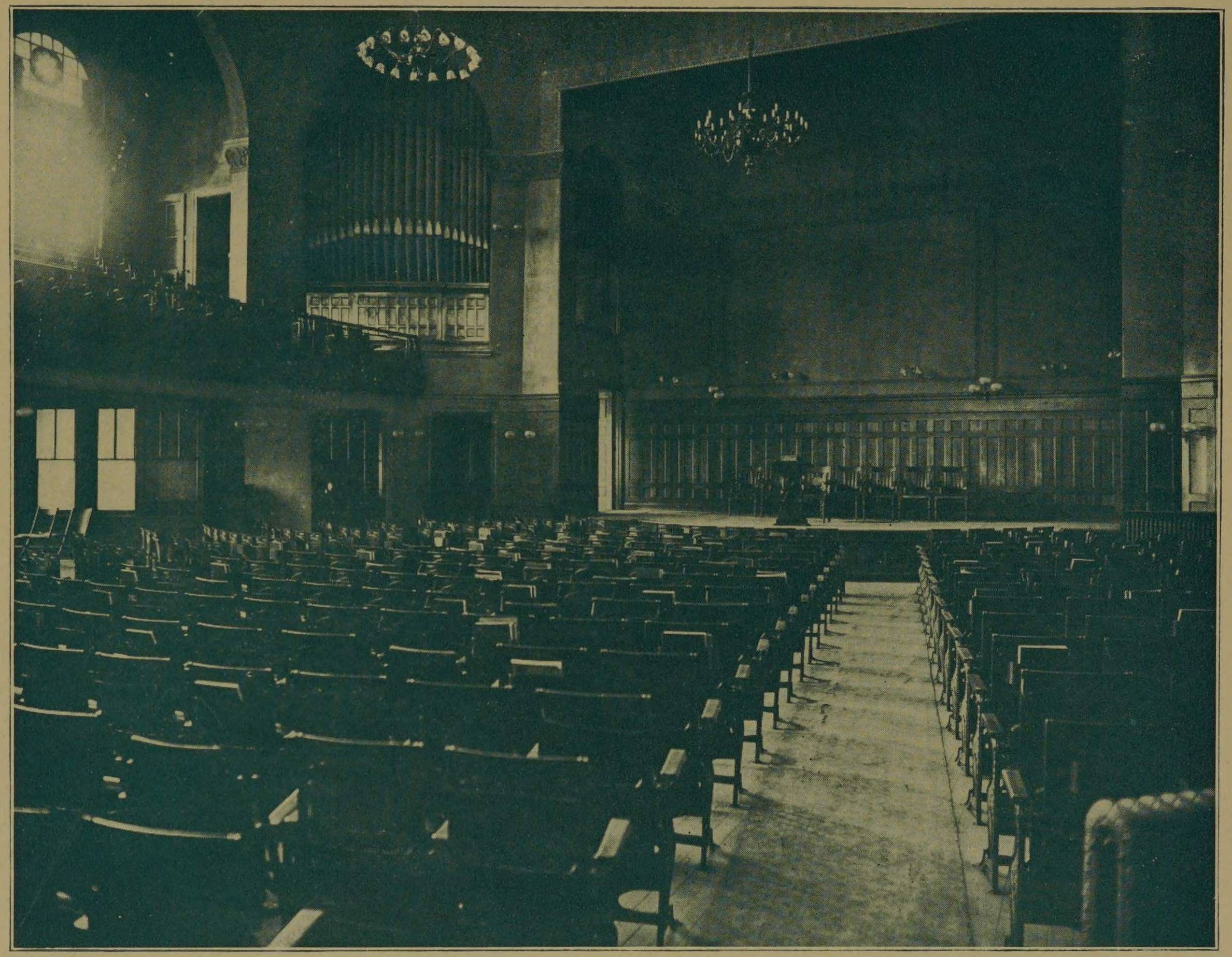
Hydraulic Laboratory.



M.F. Gilbert



ENTRANCE TO ARMOUR MISSION



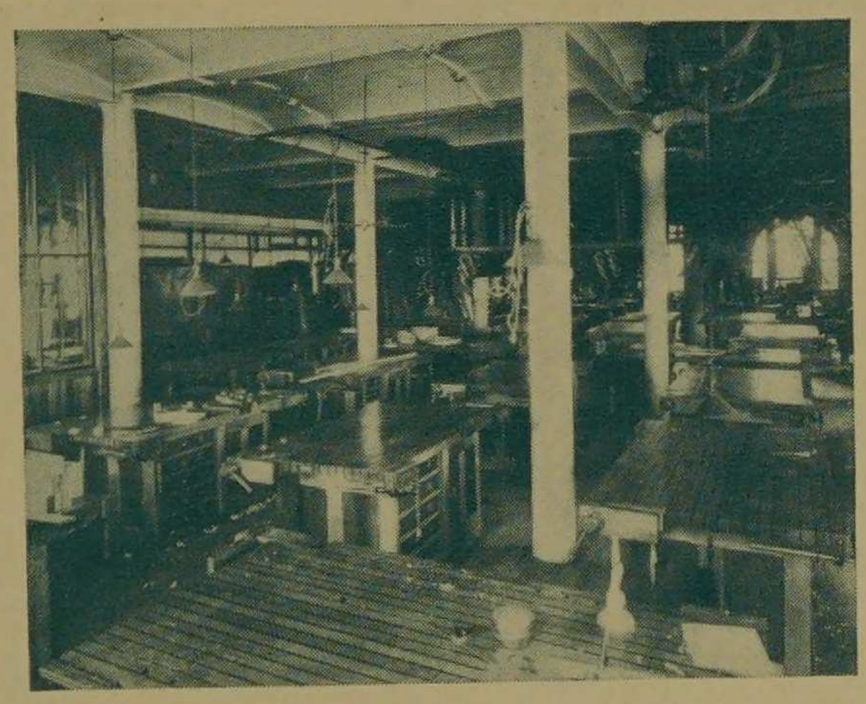
THE ASSEMBLY HALL



ENTRANCE TO MACHINERY HALL



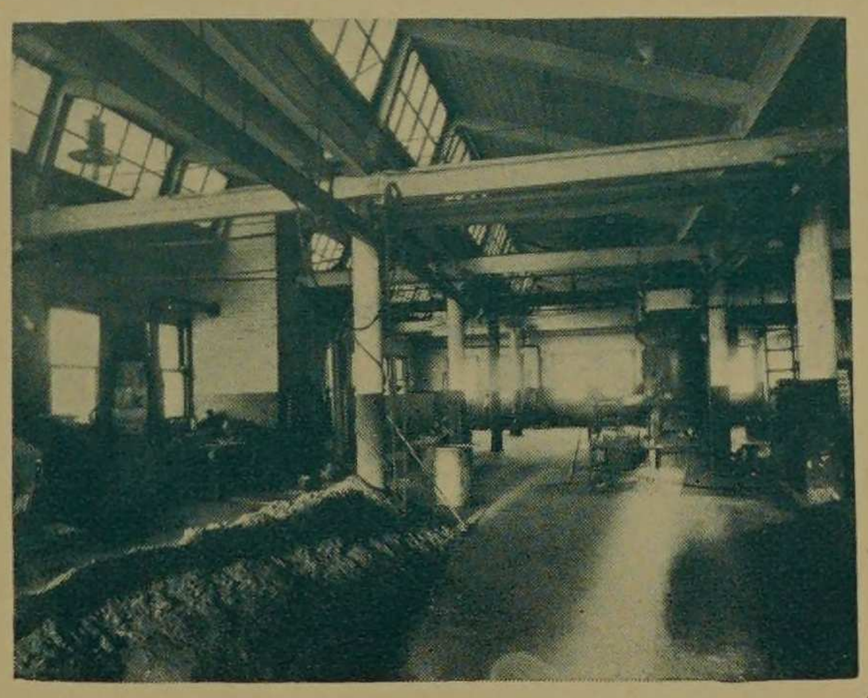
Forge Shop.



Pattern Shop.



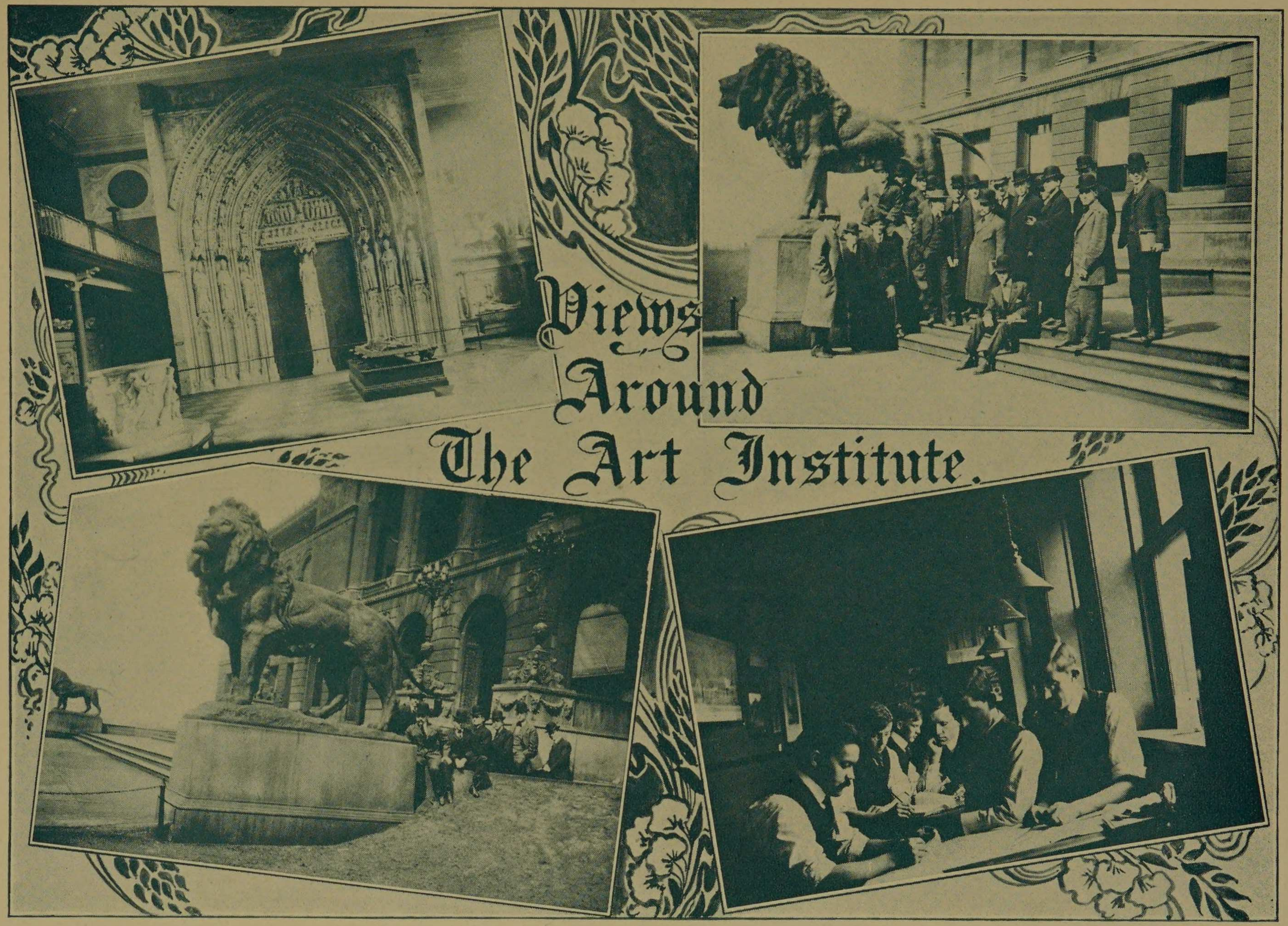
Machine Shop.



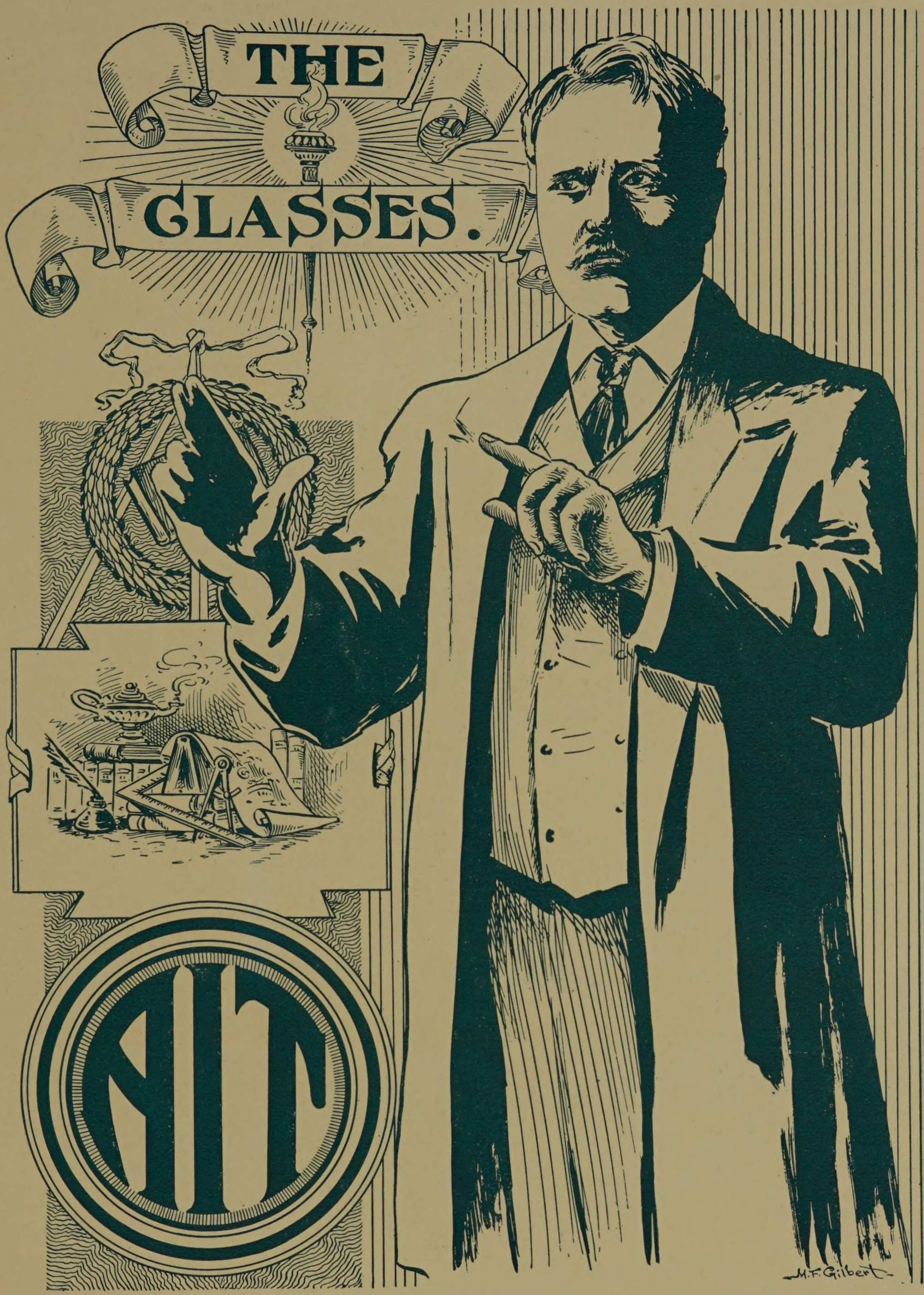
Foundry.



THE ART INSTITUTE


Views
Around
The Art Institute.




THE
GLASSES.
M.F. Gilbert

The College of Engineering

of

Armour Institute *of* Technology

33rd Street and Armour Avenue

Chicago, Illinois

Founded 1892

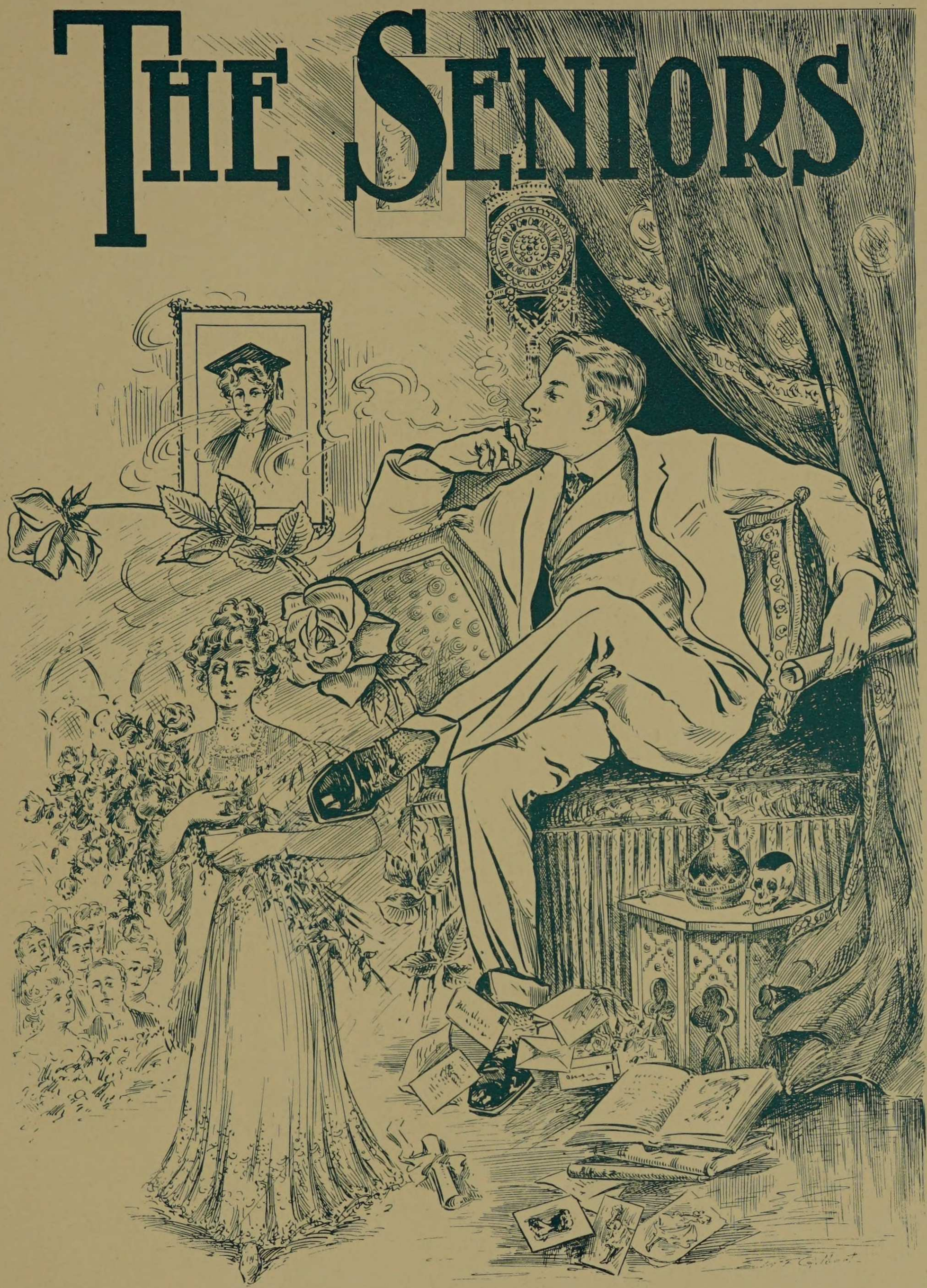
by

Philip Danforth Armour

COLORS: *Yellow and Black*

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

THE SENIORS



The Class
of
Nineteen Hundred and Seven

Seniors

COLORS: *Scarlet and Blue*

YELL: *"We're it, by Heaven!*
Armour Tech. '07!"

OFFICERS

EDWIN HARDIN ELLETT, JR., *President*

HAROLD W. JONES, *Vice-President*

JOHN FRANKLIN MATHEWS, JR., *Secretary*

HOWARD COMPSON DAVIES, *Treasurer*

Integral Representatives

HAROLD RALPH BADGER

ARTHUR ALLEN KELKENNEY

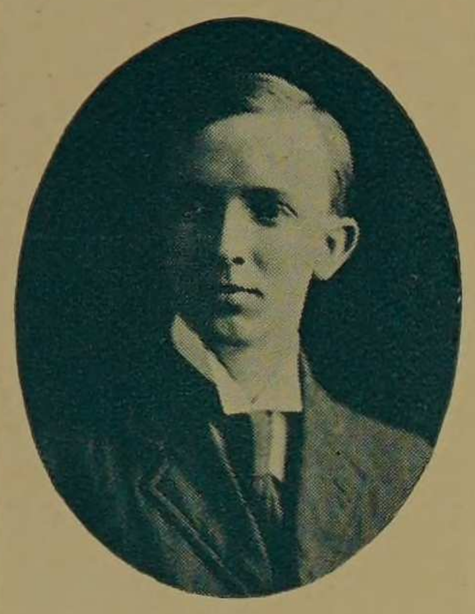
Social Committee

C. U. SMITH

B. C. HOOPER

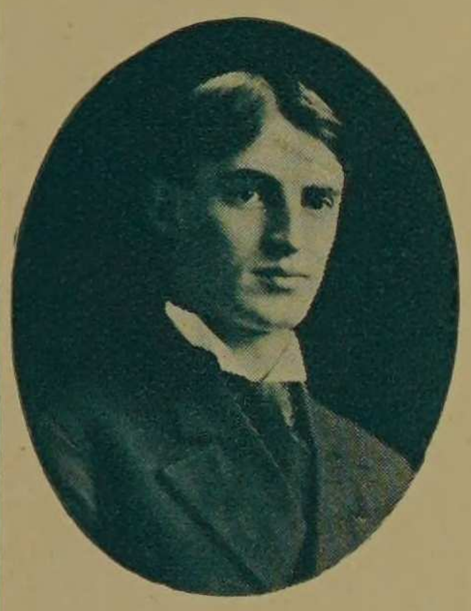
J. L. SCHMIDT

The Seniors



ALLING, CLAUDE ROBERT.
Fire Protection.

Beta Theta Pi.
Born in Wilmette, Illinois, July 17, 1884.
Prepared at Evanston High School, Illinois, 1902; Denver University; and Northwestern University.
Member of Class Baseball Team (1905 and '06); and Class Track Team (1905 and '06).



BADGER, HAROLD RALPH.
Electrical.

Born in Oneida, New York, January 2, 1886.
Prepared at Omaha High School, Nebraska; Walnut Hills High School, Cincinnati, Ohio; and Armour Scientific Academy, 1903.
Secretary of Class (1903); Class Representative to the Fulcrum (1903-04, 1905-06, and 1906-07). Class Representative to the Integral (1903-04 and 1906-07). First Marshall of Junior Week (1906).
Chairman of Freshman Smoker Committee (1906).
Editor-in-Chief of The Fulcrum (1904-05).
Editor-in-Chief of The Integral (1905-06).
Member of Class Track Team.
Member of Cast of "The Walking Delegate" (1904); Choral Society (1906).
Charter Member of The Sphinx. Member of Camera Club, Treasurer (1903-04), Vice President (1906-07). Member of Armour Branch, A. I. E. E.; Armour Branch, Y. M. C. A.; New York Club; and Nebraska Club



BADGER, LEROY HUSTED.
Civil.

Born in Niles, Michigan, August 17, 1884.
Prepared at Niles High School, Michigan, 1902.
Member of Class Football Team (1904 and '05); Class Baseball Team (1904-05, 1905-06, and 1906-07). Class Bowling Team (1905-06 and 1906-07).
Member of Glee Club (1904-05 and 1905-06).
Member of A. C. E. S. and Camera Club.



BANNING, THOMAS ALLEN, JR.
Electrical.

Tau Beta P.
Born in Chicago, Illinois, April 12, 1886.
Prepared at South Side Academy and Hyde Park High School, Chicago, 1903.
Member of Glee Club (1905-06). Member of Armour Branch, A. I. E. E.; Executive Committee (1905-06 and 1906-07).



BLUMENTHAL, EDWARD A.
Electrical.

Born in Chicago, Illinois, July 29, 1885.
Prepared at St. Mary's Institute, Dayton, Ohio.



BOEHMER, ALEXANDER HENRY.
Mechanical.

Born in Wheeling, Illinois, October 2, 1886.
Prepared at Barrington High School and Armour Scientific Academy, 1903.
Member of Class Baseball Team (1905-06).
Member of Senior Mechanical Society, Secretary (1906-07).

The Seniors



BURKHOLDER, FRED L.
Civil.

Born in Chicago, Illinois, November 20, 1885.
Prepared at Chicago Manual Training School.
Member of Class Auditing Committee. Member of Class Bowling Team (1906–07) and Class Track Team. Member of Mandolin Club.
Member of Armour Civil Engineering Society.



CLARKE, FRED.
Electrical.

Born in Joslyn, Illinois, November 9, 1882.
Prepared at Rock Island High School, Illinois, 1901.
Member of Class Football Team, Class Baseball Team, and Class Bowling Team.



DAVIES, HOWARD COMPSON.
Mechanical.

Phi Kappa Sigma.
Born in Chicago, Illinois, February 9, 1887.
Prepared at Chicago English High and Manual Training School.
Treasurer of Class (1906-07).
Member of College Basketball Team (1904-05 and 1905-06) and Class Baseball Team (1903-04, 1904-05, and 1905-06). Manager Class Basketball Team (1904-05).
Member of Senior Mechanical Society and Radical X Club.



CAMPBELL, EDGAR EVERETT.
Electrical.

Born in Bluffdale, Texas, October 8, 1880.
Prepared at Polytechnic College, Fort Worth, Texas, B. S.
Member of Mandolin Club (1903).
Member of Armour Branch, A. I. E. E. and Armour Branch, Y. M. C. A.



COPENHAVER, HAROLD KEPNER.
Civil.

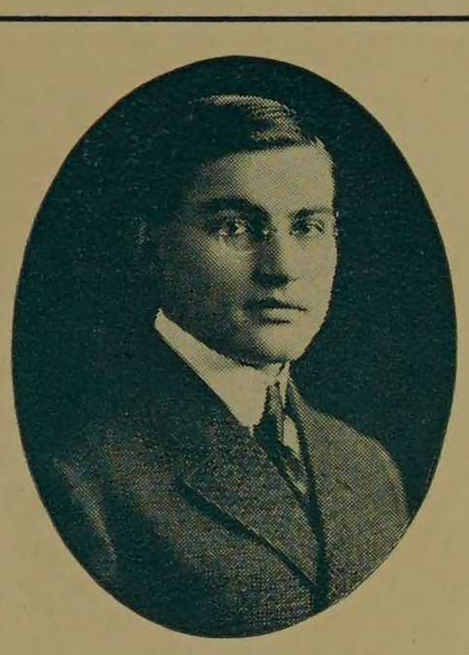
Born in Oil City, Pennsylvania, October 22, 1886.
Prepared at Englewood High School, 1903.
Member of Mandolin Club (1906-7). Member of Armour Civil Engineering Society.



DOWDELL, CHARLES OLIVER.
Civil.

Born in Letcher, South Dakota, September 12, 1885.
Prepared at John Marshall High School, Chicago, 1902; University of Chicago.
Member of Class Football Team (1904).
Charter Member of Armour Civil Engineering Society.

The Seniors



DREFFEIN, CHARLES G.
Mechanical.

Tau Beta Pi.
Born in Chicago, Illinois, June 22, 1883.
Prepared at Northwest Division High School, 1901.
Member of Class Baseball Team (1906). Member of Senior Mechanical Society.

DUNMORE, GLENN B.
Mechanical.

Born in Sycamore, Illinois, March 26, 1882.
Prepared at Lake Geneva High School, 1903.
Member of Senior Mechanical Society.

EHRETSMAN, JOHN LEE.
Mechanical.

Tau Beta Pi.
Born in Chicago, Illinois, April 8, 1884.
Prepared at Armour Scientific Academy, 1903.
Lolita Armour Scholarship, 1903.
Member of Senior Mechanical Society.



ELLETT, EDWIN HARDIN, JR.
Civil.

Delta Tau Delta.
Born in Chicago, Illinois, September 20, 1884.
Prepared at Chicago Manual Training School, 1901.
With Barton & Tanner, Patent Lawyers, 1901; Chicago, Milwaukee & St. Paul Railway, 1902; and Robert Hunt & Company, 1903.
President of Class (1906-07). Third Marshal of Junior Week (1906).
Member of College Football Team (1904); '06 Baseball Team (1904 and '05); '07 Baseball Team (1906); '06 Track Team (1905); '07 Track Team (1906); College Track Team (1905 and '06); '06 Bowling Team (1903 and '04), Manager both years; '07 Bowling Team (1905 and '06), Manager both years.
Member of Mandolin Club (1904-05, 1906, and 1906-07); Member of Glee Club (1904-05, 1906, and 1906-07); Manager of Glee and Mandolin Clubs (1906 and 1906-07); Member of Chorus of "The Walking Delegate" (1904); Member of Orchestra (1904).
Associate Editor of The Integral (1904-05); '06 Class Representative to The Fulcrum (1904-05 and 1905-06).
Member of '06 Civil Society (1903, '04, and '05). Member of Armour Civil Engineering Society. Treasurer (1906-07). Member of Radical X Club.

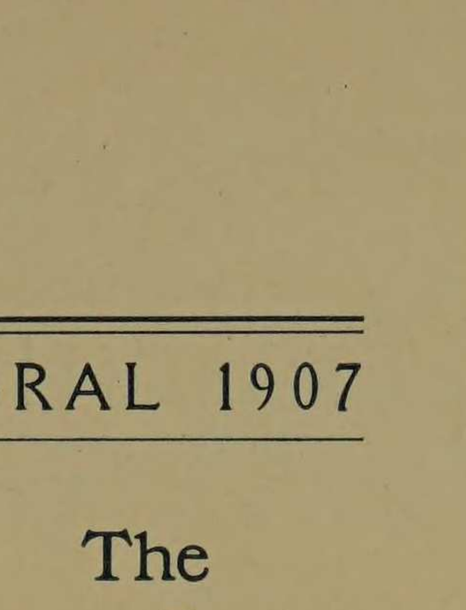


FURRY, WILLIAM SMITH.
Mechanical.

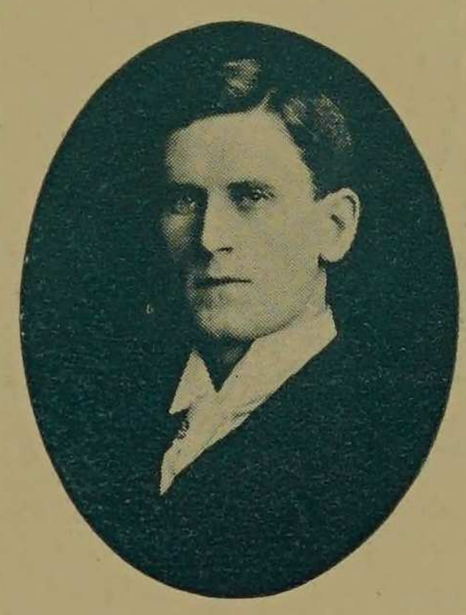
Born in Akron, Ohio, June 27, 1887.
Prepared at Armour Scientific Academy, 1903.
Member of Senior Mechanical Society.

GILMORE, MILLARD.
Electrical.

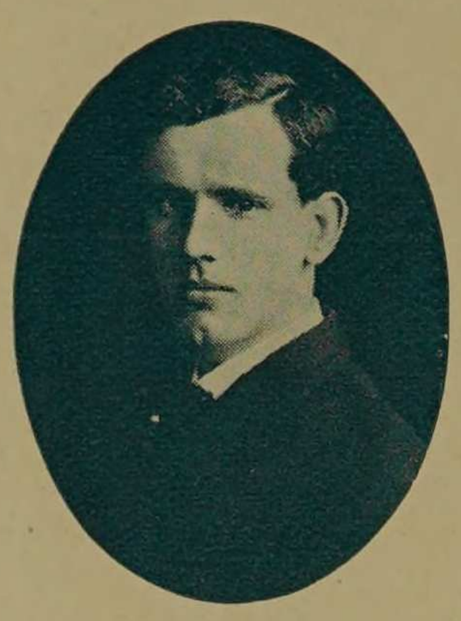
Born in Sorgho, Kentucky, October 20, 1882.
Prepared at South Chicago High School.
Member of College Baseball Team (1905) and Class Baseball Team.
Assistant Business Manager of The Integral (1905-06).
Member Armour Branch, A. I. E. E. and Armour Branch, Y. M. C. A.





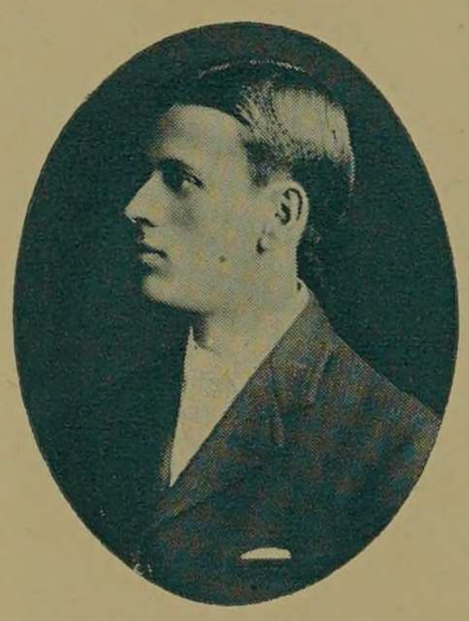


The Seniors



HACKETT, JAMES LEO.
Civil.

Born in Chicago, Illinois, September, 1884.
Prepared at St. Ignatius College and Armour Scientific Academy, 1903.
Member of Orchestra (1903-04). Member of Armour Civil Engineering Society.



HAIL, JOSEPH CHARLES.
Electrical.

Born in Chicago, Illinois, September 13, 1884.
Prepared at West Division High School, Chicago, 1903.
Member of Armour Branch, A. I. E. E., and Armour Branch, Y. M. C. A.



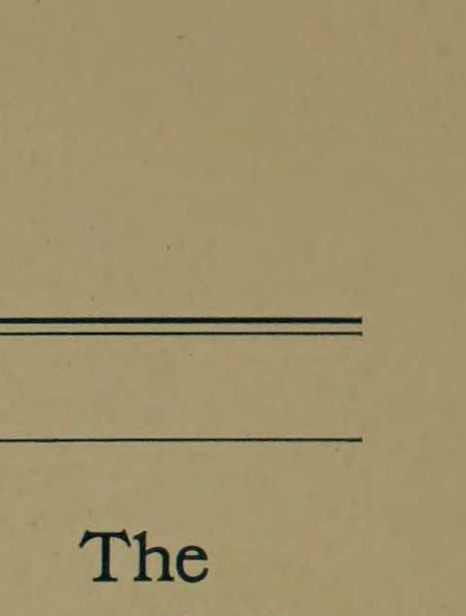
HAYDEN, JULIAN.
Civil.

Phi Kappa Sigma.
Born in Chicago, Illinois, January 23, 1886.
Prepared at Princeton Yale School and Harvard School, 1903.
Member of Class Football Team (1905).
Member of Armour Civil Engineering Society and Radical X Club.



HEATH, CHESTER STEPHEN.
Chemical.

Tau Beta Pi.
Born in Chicago, Illinois, April 22, 1885.
Prepared at West Division High School, Chicago, 1903.
Catharine M. White Scholarship (1905-06).
Member of Choral Society and '07 Chemical Society.





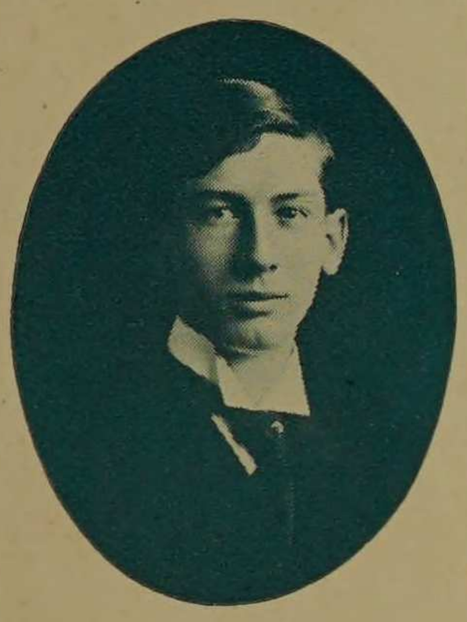


The Seniors



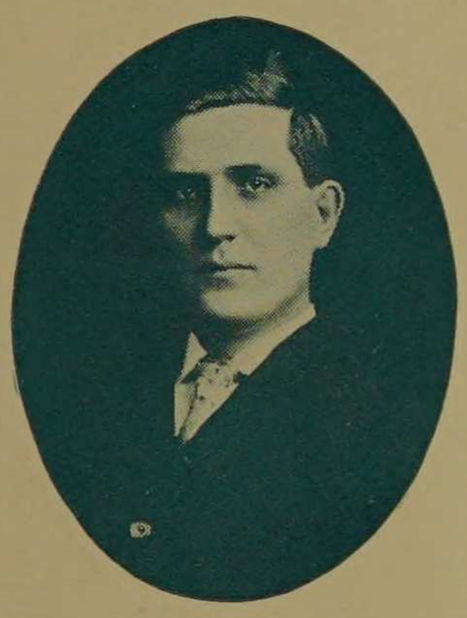
HEINSEN, GEORGE MARTIN.
Civil.

Phi Kappa Sigma.
Born in Chicago, Illinois, November 19, 1885.
Prepared at South Chicago High School; Todd Seminary, 1902; and Armour Scientific Academy.
Member of Armour Civil Engineering Society, Corresponding Secretary (1906-07).



HEUCHLING, FREDERICK GUSTAV.
Chemical.

Tau Beta Pi.
Born in Chicago, Illinois, March 1, 1886.
Prepared at Armour Scientific Academy, 1902.
With Reedy Elevator Company, Chicago, 1902-03.
Catharine M. White Scholarship (1904-05).
Member of '07 Chemical Society.



HOFFMANN, BALTHASAR.
Chemical.

Born in Lattaville, Indiana, December 25, 1873.
Prepared at Northern Indiana Normal School and Armour Scientific Academy, 1903.
President of Class (1904-05); Chairman of Committee on Constitution (1905-06 and 1906-07)
Member of '07 Chemical Society.

HOOPER, BLAKE CLARENCE.
Mechanical.

Delta Tau Delta.
Born in Grand Island,Nebraska, June 3, 1885.
Prepared at Armour Scientific Academy, 1903.
Member of Class Social Committee, Glee Club, and Radical X Club.
Member of Senior Mechanical Society, President (1906-07).



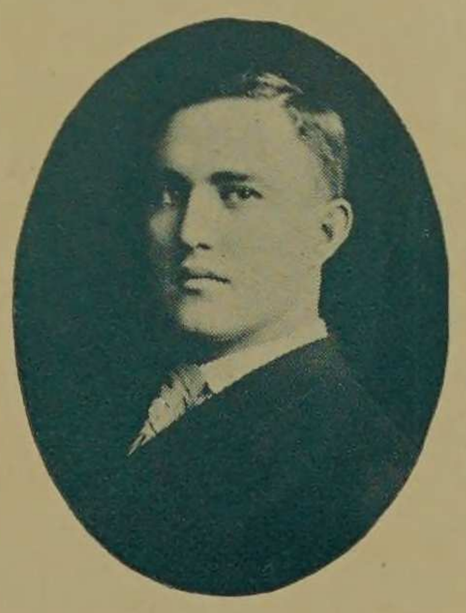
HENNING, CHARLES SUMNER, JR.
Electrical.

Tau Beta Pi.
Born in Cherokee, Kansas, August 23, 1888.
Prepared at Toluca High School, Illinois, and Armour Scientific Academy, 1903.
President of Class (1905-06).
Second Marshal of Junior Week (1906).
Member of College Football Team (1905); Class Football Team (1904); Class Baseball Team (1905 and '06); Class Basketball Team (1905 and '06); Class Bowling Team (1906).
Manager of College Basketball Team (1906-07) and of Class Track Team (1906-07).
Member of Armour Branch, A. I. E. E., Secretary and Treasurer (1906-07). Member of Kansas Club.



HOFFMANN, BALTHASAR, JR.
Mechanical.

Delta Tau Delta.
Born in Milwaukee, Wisconsin, September 26, 1883.
Prepared at Armour Scientific Academy, 1903.
Member of Senior Mechanical Society.



The Seniors



JAMES, SIDNEY VINCENT.
Mechanical.

Tau Beta Pi.
Born in Chicago, Illinois, August 6, 1886.
Prepared at Armour Scientific Academy, 1903.
Secretary of Class (1904).
Member of Orchestra (1903 and '05), Leader (1905). Member of Glee Club (1906).
Member of Senior Mechanical Society.



JONES, HAROLD W.
Chemical.

Tau Beta Pi.
Born in Hesper, Iowa, September 27, 1881.
Prepared at Decorah High School, Iowa, and Northwestern Institute of Pharmacy, St. Paul, Minnesota, R. Ph.
Vice President of Class (1905-06 and 1906-07).
Sub-Marshall of Junior Week (1906).
Member of '07 Chemical Society.



KELKENNEY, ARTHUR ALLEN.
Electrical.

Delta Tau Delta.
Born in Omaha, Nebraska, August 16, 1884.
Prepared at Omaha High School, Nebraska, 1902.
With the Omaha National Bank, 1902-03.
Treasurer of Class (1905-06).
Sub-Marshal of Junior Week (1906).
Catherine M. White Scholarship (1904-05).
Member of Glee Club (1906-07).
Business Manager of The Fulcrum (1904-05).
Business Manager of The Integral (1905-06).
Charter Member of The Sphinx. Member of Nebraska Club and Radical X Club.



KILGORE, CLARENCE EARLE.
Mechanical.

Born in Englewood, Illinois, November 22, 1886.
Prepared at Chicago English High School.
Member of Class Social Committee (1906-07).
Member of College Basketball Team (1904-05, 1905-06, and 1906-07), Captain (1907). Member of Class Basketball Team (1904-05, 1905-06, and 1906-07); Class Baseball Team (1905-06 and 1906-07).
Member of Mandolin Club (1905-06 and 1906-07).
Member of Senior Mechanical Society and Radical X Club.



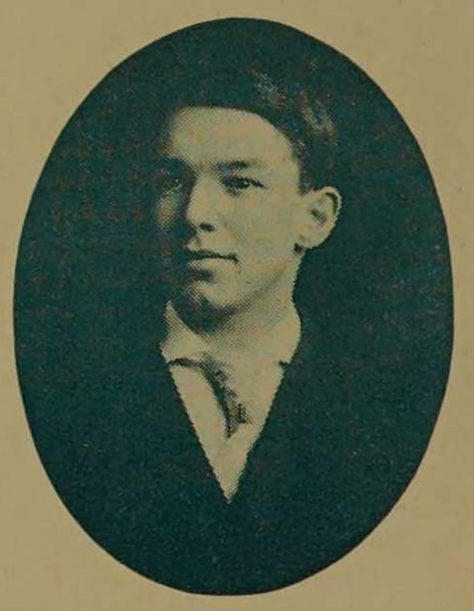
JONES, EARL WESTON.
Electrical.

Born in Alta, Iowa, November 23, 1882.
Prepared at Pratt High School, Kansas, and St. John's Military School, Salina, Kansas, 1903.
Secretary of Class (1905-06).
Sub-Marshal of Junior Week (1906).
Manager of Class Baseball Team (1904-05 and 1905-06).
Member of Kansas Club.



JONES, LEE BOYD.
Electrical.

Born in Alta, Iowa, November 1, 1884.
Prepared at Pratt High School, Kansas, and St. John's Military School, Salina, Kansas.
Assistant Business Manager of The Integral (1905-06).
Member of Kansas Club

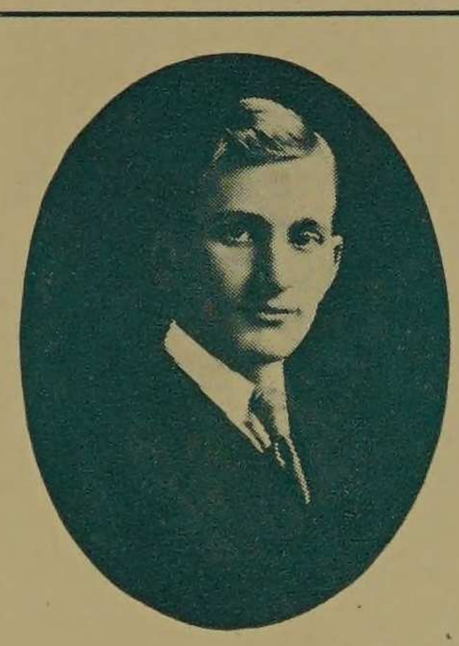


The Seniors



KUBITZ, ALFRED LEONARD.
Electrical.

Born in Chicago, Illinois, October 21, 1883.
Prepared at Oak Park High School.



LAUBACH, GEORGE SOUDERS
Civil.

Phi Kappa Sigma.
Born in Omaha, Nebraska, June 6, 1885.
Prepared at Omaha High School, Nebraska, 1903-
Member of Class Baseball Team (1903-04, 1904, 05, 1905-06, and 1906-07); Class Basketball Team; College Basketball Team (1906-07).
Member of Armour Civil Engineering Society, Nebraska Club, and Radical X Club.



LICHTNER, WILLIAM O.
Civil.

Phi Kappa Sigma,
Born in Chicago, Illinois, August 25, 1883.
Prepared at Englewood High School, Chicago, 1901.
Member of Armour Civil Engineering Society.



LURVEY, DAVE.
Electrical.

Born in Chicago, Illinois, March 25, 1886.
Prepared at Joseph Medill High School, 1903.



MACDONALD, MALCOLM SOMERLED.
Mechanical.

Born in Chicago, Illinois, July 25, 1882.
Prepared at West Division and John Marshall High Schools, Chicago.
Member of Class Baseball Team (1905-06) and College Football Team (1905).



MATCHETT, JAMES CHAPMAN.
Mechanical.

Tau Beta Pi.
Born in Chicago, Illinois, May 28, 1885.
Prepared at Englewood High School and Armour Scientific Academy, 1903.
Member of Senior Mechanical Society.

The Seniors



MATHEWS, JOHN FRANKLIN, JR.
Civil.

Born in Chicago, Illinois, May 20, 1886.
Prepared at Hyde Park High School, Chicago, 1903.
Secretary of Class (1906-07).
Member of College Football Team (1904 and '05); Class Bowling Team (1906-07); and Class Track Team (1905-06).
Member of Armour Civil Engineering Society.



MILLARD, CHANCEY S.
Civil.

Born in Chicago, Illinois, March 15, 1883.
Prepared at Lewis Institute, Chicago.
Member Armour Civil Engineering Society.



MORRISON, RUDOLPH A.
Electrical.

Born in Chicago, Illinois, 1886.
Prepared at Joseph Medill High School, 1903.
Member of Armour Branch, A. I. E. E.



PACYNA, ARNOLD.
Chemical.

Born in Germany, June 7, 1879.
Prepared at Armour Scientific Academy.
With the U. S. Postal Department, 8 years.



PERLSTEIN, BENJAMIN.
Chemical.

Born in Tretz, Russia, May 28, 1885.
Prepared at South Division High School, 1901.
University of Chicago, 1901-02.



REKER, WILLIAM H.
Electrical.

Born in Chicago, Illinois, 1884.
Prepared at Lake High School, Chicago.

The Seniors



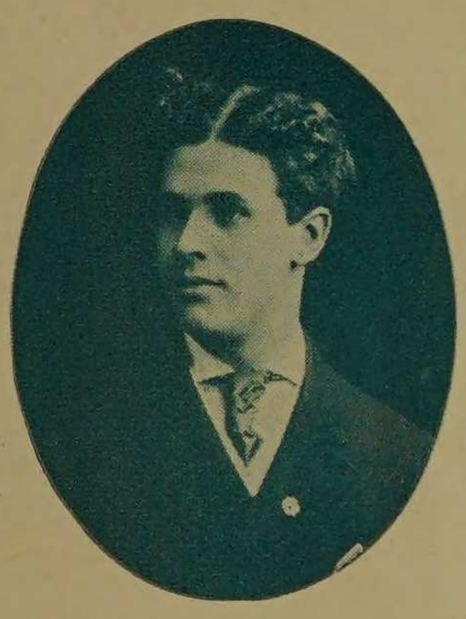
ROBINSON, FRANK HARRY.
Chemical.

Delta Tau Delta.
Born in Aurora, Illinois, June 29, 1884.
Prepared at West High School, Aurora, Illinois.



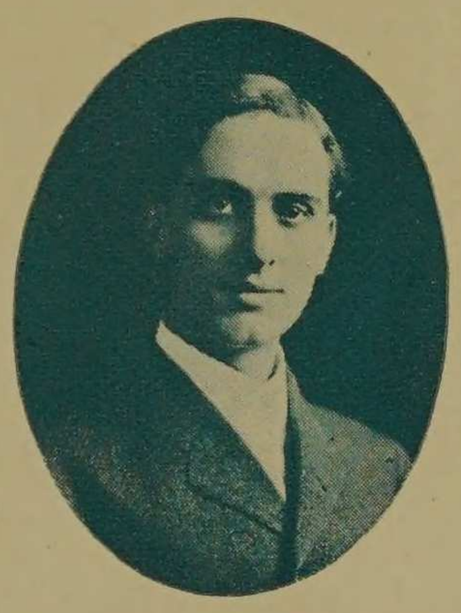
ROWE, HUGH IRWIN.
Electrical.

Born in Hebron, Illinois, September 3, 1882.
Prepared at Hebron High School, 1899; Dixon College, Dixon, Illinois.



SANDERS, WALTER J.
Electrical.

Born in Hamilton, Ontario, December 19, 1885.
Prepared at South Division High School, 1903.



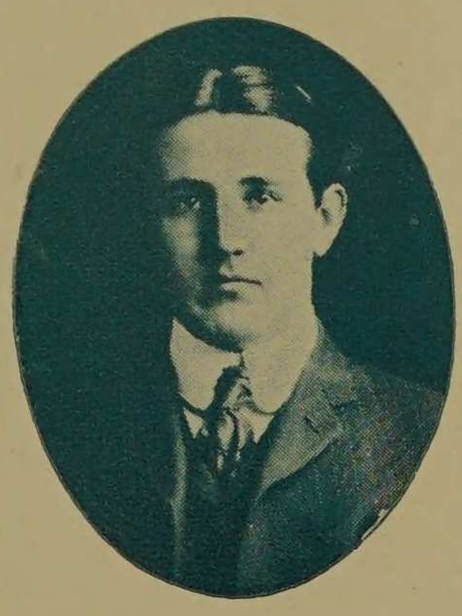
SAUNDERS, JOHN EARL.
Electrical.

Tau Beta Pi.
Born in Nickerson, Kansas, December 30, 1884.
Prepared at Newton High School, Kansas, and Chillicothe High School, Illinois, 1903.
Member of Glee Club (1904-05 and 1905-06).
Member of Kansas Club; Armour Branch, A. I. E. E.; and Armour Branch, Y. M. C. A , President, (1906).



SCHMIDT, JOHN LORENZ.
Fire Protection.

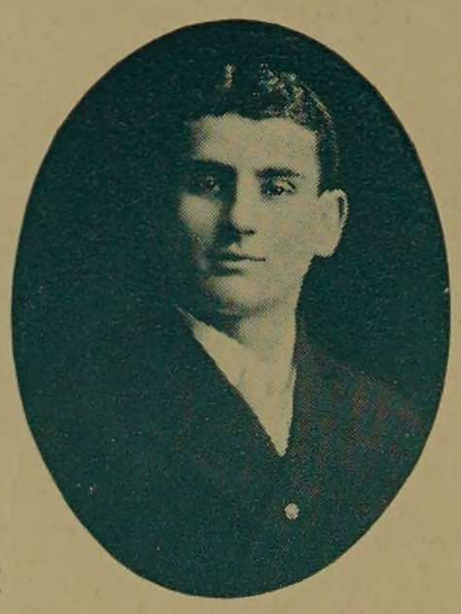
Phi Gamma Delta.
Born in Indianapolis, Indiana, February 19, 1882.
Prepared at Manual Training High School, Wabash College, and Cornell University.
Member of Radical X Club.



SIGWALT, ELMER JACOB.
Electrical.

Tau Beta Pi.
Born in Wheeling, Illinois, March 14, 1883.
Prepared at Lake View High School, 1902.
Member of Class Baseball Team (1903, '04, '05, and '06).
Member of Armour Branch, A. I. E. E.

The Seniors



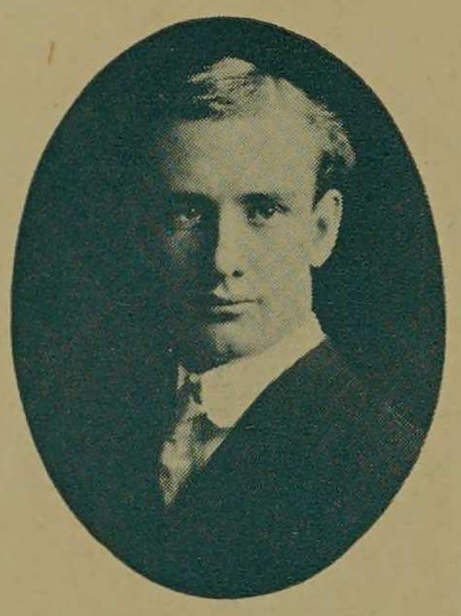
SINGER, SIDNEY CHARLES.
Mechanical.

Born in Cleveland, Ohio, November 23, 1885.
Prepared at Omaha High School, 1903.
Member of Class Track Team, Manager (1905-06).
Member of Orchestra, Nebraska Club, and Senior Mechanical Society.



SMITH, CLARENCE URLING.
Mechanical.

Phi Kappa Sigma.
Born in Philadelphia, Pennsylvania, June 20, 1885.
Prepared at Armour Scientific Academy, 1903.
Chairman of Class Social Committee (1905-06 and 1906-07).
Sub-Marshal of Junior Week (1906).
Manager of Class Football Team (1904-05); Class Bowling Team (1904-05); and College Baseball Team (1906-07).
Member of College Track Team (1906). Member of Glee Club (1905-06 and 1906-07). Member of Cast of "The Walking Delegate."
Member of Fulcrum Staff (1904-05).
Member of Senior Mechanical Society and Radical X Club.



SMITH, LORENZO B.
Chemical.

Delta Tau Delta.
Born in Aurora, Illinois, July 18, 1885.
Prepared at East Aurora High School.
Member of Orchestra and Glee and Mandolin Clubs (1904-05 and 1905-06)
Member of Chemical Society and Radical X Club.



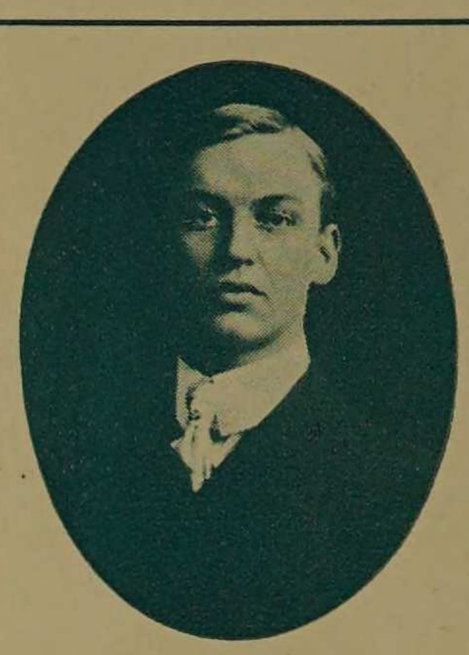
STAGG, MILTON V.
Electrical.

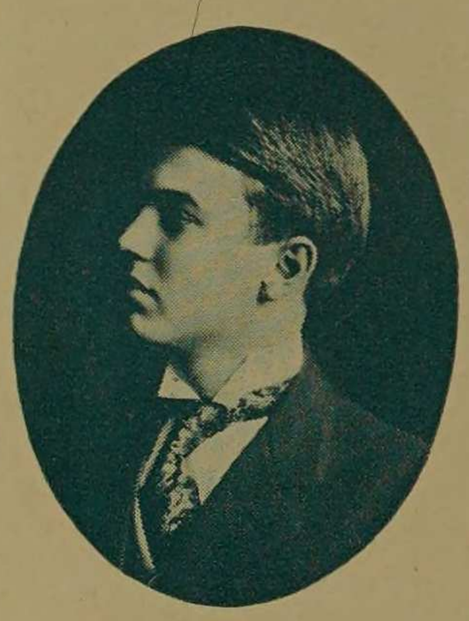
Born in Chicago, Illinois, February 14, 1886.
Prepared at Lake High School, 1903.
Member Class Baseball Team (1904-05 and 1905-06).
Associate Editor of The Integral (1905-06).
Member of Armour Branch, A. I. E. E.



STEWARD, ROY FRANKLIN.
Chemical.

Tau Beta Pi.
Born in Chicago, Illinois, August 16, 1880.
Prepared at Lyons High School, La Grange, Illinois, 1899; University of Chicago.
Catharine M. White Scholarship (1905-06).
Member of Chemical Society.







The Seniors



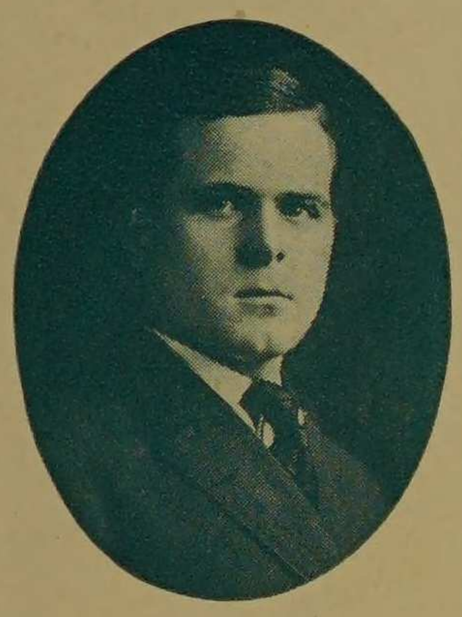
STURGESS, FREDERICK MEYNELL.
Electrical.

Tau Beta Pi.
Born in Joliet, Illinois, November 20, 1883.
Prepared at Joliet Township High School, 1902.
With Illinois Steel Company, Joliet, Illinois, 1902-03.
Member of Armour Branch, A. I. E. E. Vice-Chairman (1906-07); and Armour Branch, Y. M. C. A.



THOMPSON, MORRIS.
Civil.

Delta Tau Delta.
Born in Blair, Wisconsin, August 26, 1879.
Prepared at Black River Falls High School, Wisconsin, 1900.
Member of Armour Civil Engineering Society and Radical X Club.



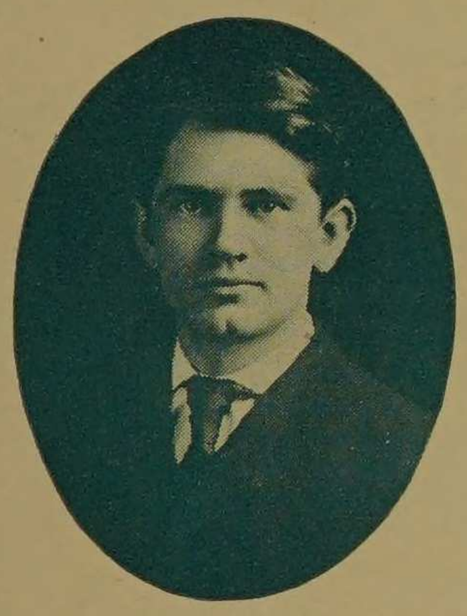
WACHS, THEODORE.
Mechanical.

Born in Chicago, Illinois, March 3, 1886.
Prepared at Lake View High School and Armour Scientific Academy, 1903.
Manager of Class Baseball Team (1907).
Member of Senior Mechanical Society and Radical X Club.



WALBRIDGE, JOHN TUTHILL.
Civil.

Phi Kappa Sigma.
Born in Dallas, Texas, September 13, 1885.
Prepared at Calumet High School.
Member of College Football Team (1905).
Member of Armour Civil Engineering Society and Radical X Club.



WARSZEWSKI, FRANK S.
Chemical.

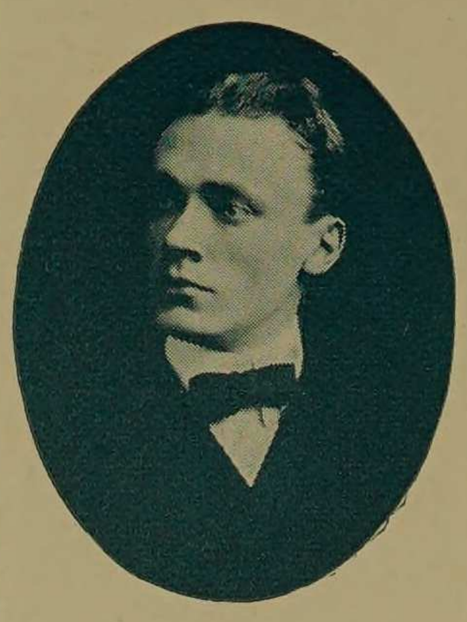
Born in Chicago, Illinois, April 13, 1884.
Prepared at Chicago English High School; University of Chicago.



WELLS, JOHN BARNARD.
Mechanical.

Born in St. Joseph, Missouri, December 11, 1885
Prepared at Los Angeles High School, California, and Englewood High School, Chicago, Illinois.
Member of Senior Mechanical Society.

The Seniors



WENDELL, RAYMOND BARTLETT.
Electrical.

Born in Chicago, Illinois, April 30, 1886.
Prepared at Hyde Park High School and Armour Scientific Academy, 1903.



WHEELER, HARRY M.
Electrical.

Born in Chicago, Illinois, February 2, 1886.
Prepared at Calumet High School, 1903.
Member of Armour Branch, A. I. E. E.



WIGHT, ROBERT ADAMS.
Chemical.

Born in Milan, Michigan, July 22, 1885.
Prepared at Waynesville Academy, Illinois; Mount Ayr High School; and Armour Scientific Academy, 1903.
Member of Chemical Society and Armour Branch, Y. M. C. A., Vice-President (1906).



YOUNG, LERTON BURDELL.
Civil.

Tau Beta Pi.
Born in Warsaw, Indiana, October 1, 1886.
Prepared at South Chicago High School.
Member of Armour Civil Engineering Society, President (1906-07).

The Senior Theses

Electrical Engineering Department

Determination of the Temperature Coefficient and Resistivity of Aluminum, Copper, and Iron.
WALTER J. SANDERS HARRY M. WHEELER

Design of a High Tension, Low Head, Hydro-Electric Power Station.
ARTHUR D. QUACKENBUSH

Design of a High Tension, High Head, Hydro-Electric Power Station, Substations, and Transmission Lines.
LEE BOYD JONES EARL WESTON JONES MILTON V. STAGG

Design of a Polyphase Generator.
MILLARD GILMORE

Effect of Quality and Color of Surface on Light Absorption.
ALFRED LEROY EUSTICE

Oscillographic Study of Wave Forms of Magnetic Generators, Their Efficiency and Magnetic Characteristics.
RUDOLPH A. MORRISON DAVE LURVEY WILLIAM H. REKER

Investigation of the Action of a Syncronous Motor by Means of the Oscillograph.
FRANK WALTER SLEEZER WALLACE WILLIAMS ARTHUR ALLEN KELKENNEY

Electrically Operated Interlocking Signal Plant.
JOHN EARL SAUNDERS

Predetermination of Power Plant and Substation Load Curves for Electric Roadways.
THOMAS ALLEN BANNING, JR.

Test of Induction Wattmeters with Reference to E. M. F., Temperature, Frequency, and Power Factor.
CHARLES SUMNER HENNING, JR. ELMER JACOB SIGWALT

Design of a Gas Engine Power Station.
J. SHEPARD SMALLEY

Efficiency Test of a 1,100 K.W. Air Blast Transformer by Calorimetric Method.
EDWARD A. BLUMENTHAL HUGH IRWIN ROWE

Investigation of a High Tension Electrical Control Connections and Apparatus.
FREDERICK MEYNELL STURGESS FRED CLARKE

Magnetic Qualities of Various Samples of Iron and Steel.
RAYMOND BARTLETT WENDELL EDWARD JOHN WOLFE

Design of a High Tension Electric Transmission Line.
ALFRED LEONARD KUBITZ

Oscillographic Study and Test of Mercury Arc Rectifiers.
EDGAR EVERETT CAMPBELL JOSEPH CHARLES HAIL

Mechanical Engineering Department

Efficiency Test of a Four Cylinder, Four Cycle, 20 H. P., Automobile Gasoline Engine.
CLARENCE URLING SMITH

Test of an Ados Carbon Dioxide Recorder.
JOHN LEE EHRETSMAN

Efficiency and Capacity Test of a 350 H. P. Stirling Boiler Equipped with a Chain Grate.
WILLIAM SMITH FURRY JAMES CHAPMAN MATCHETT

Effects of Improper Valve Setting on the Operation of the Corliss Engine.
THEODORE WACHS CLARENCE EARLE KILGORE MALCOLM S. MACDONALD

Design and Test of a Suction Gas Producer Pressure Regulator.
SIDNEY CHARLES SINGER GLENN B. DUNMORE

The Senior Theses (Continued)

Efficiency Test of an 8 x 10 Phœnix Automatic High Speed Engine.
JOHN BARNARD WELLS ALEXANDER HENRY BOEHMER

Tests of a Kerr Steam Turbine Direct Connected to a Multi-Stage High Pressure Worthington Centrifugal Pump.
SIDNEY VINCENT JAMES IRVING F. JACKSON

Compilation of Engineering Tables.
HOWARD COMPSON DAVIES

Effect of Diluting the Fuel with Exhaust Gases Upon the Economy and Power of the Gas Engine.
CHARLES G. DREFFEIN IRA JAMES TURNBULL

Civil Engineering Department

Location of the Overton County, Tennessee, Railroad.
EDMUND A. PRATT

Track Elevation.
JOHN TUTHILL WALBRIDGE LEROY HUSTED BADGER

Design of a Steel Railway Viaduct.
LOUIS M. SCHARLE

Design of Waterworks System for Gary, Indiana.
MORRIS THOMPSON FRED L. BURKHOLDER GEORGE S. LAUBACH

The Forest Cañon Reservoir.
JULIAN HAYDEN ALBERT HAYDEN, JR.

Design of Impounding Reservoir and Filtration Plant.
G. DWIGHT TOMPKINS C. J. NELSON

Water Power Development at Iowa Falls, Iowa.
CHARLES O. DOWDELL

Design of a Sewer System for Gary, Indiana.
J. F. MATHEWS, JR. J. L. HACKETT H. K. COPENHAVER G. A. STANTON

Plans, Specifications, and Cost of Elevation of a Portion of the Tracks of the H. & N. Ry.
L. B. YOUNG G. M. HEINSEN

Design of a Three Span, Double Track, Reinforced Concrete Railroad Arch Bridge.
C. S. MILLARD G. A. HAGGENDER

Concrete in Railroad Construction.
EDWIN HARDIN ELLETT, JR.

Development of Track Work.
WILLIAM O. LICHTNER

Chemical Engineering Department

Design of a Beet Sugar Plant.
FREDERICK G. HEUCHLING

Advanced Work in Metallurgy as Substitute for Thesis.
H. W. JONES C. S. HEATH R. F. STEWARD ROBERT A. WIGHT

An Investigation of the Composition of Producer Gas under Various Conditions.
BALTHASAR HOFFMAN

Fire Protection Engineering Department

Water Distribution from Automatic Sprinklers.
C. R. ALLING J. R. SCHMIDT

History of "The Class of 1907"

As the subject implies, this is to be solely a chronicle of the happenings of the past four years, in which the Class of 1907—as a class—partook. Discarding all of the braggadocio of self praise, so common to such a document as this, we have striven to recall briefly those more important events in our college life, in which as a class we have achieved or failed. With this short foreword we will come at once to the record of that class, whose final numeral has stood for good fortune and a very fair degree of successful endeavor.

As Freshmen

On September 21, 1903, two hundred and thirty-five men, about forty of whom were from the 1903 class of Armour Scientific Academy, registered as freshmen at Armour. This was the beginning of a strong class organization, whose first struggle came on September 27th in the rush with '06. The many incidents which occurred on the night before this struggle and indeed in the struggle itself resulted very creditably to '07, even tho the decision in the rush favored '06. Many a man of each side ate the dust of Thirty-third Street under the bridge on that memorable day. But closely after this came perhaps the greatest achievement of class spirit that the institute ever saw. All will remember how, on October 16, 1903, the Class of 1907—not yet a month old—almost to a man marched four abreast to the American League Grounds, with its uniformed brass band leading to the football game with '06. The subscription for this band had been raised from these almost unacquainted freshmen in less than a day before the game. Here for the first time the colors, red and blue, were shown, each freshman wearing long ribbons of each on his coat. We lost the game, score 12 to 0, but in class spirit and organization we had reared a mighty monument. Wachs led the freshmen. As a result of the closing events of this day, there was a hole in the west fence thru which '06 was ushered after the game. Officers were elected, Blenkinsopp being chosen to guide our freshman ship of state. On January

29, 1904, we gave our first social function, the dance at Rosalie Hall — a social success and a money-maker as well. In the college bowling tournament we ended fourth on the list, but the sting of this was somewhat relieved by a baseball victory over '06. We had, with lady friends, visited the Art Institute of an evening with Dr. Gunsaulus, and whether due to our profound appreciation of Art or not, this was the last such Art Institute trip. The year closed with much promise for the soon-to-be sophomores.

As Sophomores

On September 19, 1904, some one hundred and sixty men registered as members of the class. At our first meeting we elected Hoffman, Sr., president. Preparations were at once made for a joyous welcome of the '08 men on "Freshman Tuesday." This came on the anniversary of our first rush, September 27, 1904. During the activities of the night before, the sophomores were in absolute control, and in the rush on that eventful Tuesday the tactics of the '07 forces quite disconcerted the freshmen, who, tho they struggled bravely enough, were worsted. On October 28, 1904, at Hand's Ball Park, '07 met and decisively defeated '08 in football, the score of 6 to 0 telling but part of the game. After the game was over, a second rush, more realistic than that on the preceding "Freshman Tuesday," occurred. This lasted until after dusk and backed up the victory of '07 in the game. On February 13, 1905, '07 won the championship of the college in the bowling tournament, Nind, Maher, Manning, Clarke, and Hess composing the victorious team. The individual handicap and the two man tournaments were also won by '07 men. On March 13, 1905, '07 beat '08 in basket ball, score 36 to 20, and two days later defeated '06 at same game, 41 to 24. Then came our sophomore dance at the Colonial Club on April 28th. This was our second class dance under Buchanan's management, and was equally as successful in all ways as the first. The programs were presented by The Fulcrum. In the inter-class track meet '07 took third place, but won in base ball, defeating '08 by a score of 10 to 6. The Fulcrum was edited and managed this year by a board chosen from the sophomore class. H. R. Badger was editor-in-chief and A. A. Kelkenney, business manager. The publication this year showed many new and striking ideas and developed the better points of previous years. In the

field it was forced to fill, Volume VIII of The Fulcrum was a success, tho it was realized by the staff that a sophomore class could not well represent the whole college on a paper. This year was indeed an '07 year at Armour.

As Juniors

When the registration was taken on September 18, 1905, the number of '07 men had dropped to about one hundred and ten. At the election of officers, Henning was chosen president. After numerous lesser activities in the fall, we came to our junior dance, again at the Colonial Club, but on February 2, 1906. This dance was one of the most enjoyable Armour parties of the year. In the inter-class track meet '07 was fourth, but in base ball it was first and foremost. With E. W. Jones' second year as manager, the '07 team defeated all the class teams. Now we come to a point in our history which must ever show the initiative, the perseverance, and the industry which go to make up the "spirit of the Class of 1907." That point is Junior Week. '07 gave to Armour its first Junior Week, conceived, arranged, and carried out thru a willing and harmonious co-operation of all the members of the class. From May 21 to 25, 1906, the notable events of this week took place. Monday morning, an institute assembly with a musical program opened the week. Tuesday night — on Ogden Field, before the largest audience ever assembled there — "Math Cremation," in which more than half of the junior class took part. Wednesday night, May 23rd,— the junior class banquet with about one hundred plates spread at the Union. This with its good cheer, its stories and frolic, lasted till morning. Thursday, the junior book, The Integral, was to appear, but was unavoidably held back by a compositors' strike at the printers. Friday evening—a glee and mandolin club concert in the Mission, followed by a second junior informal dance, this time in the gymnasium. Altogether a great week and a good tradition started. The men in charge of Junior Week were H. R. Badger, C. S. Henning, Jr., E. H. Ellett, Jr., C. U. Smith, E. W. Jones, H. W. Jones, and A. A. Kelkenney. Shortly after the close of this week, the Integral came from the printers and was a creditable "Book of the Class of 1907." H. R. Badger and A. A. Kelkenney were editor-in-chief and business manager, respectively, and with Stagg, L. B. Jones, and Gilmore made up the Board.

As Seniors

September 17, 1906, we registered as fourth year men about ninety in number. At our first meeting E. H. Ellett, Jr., was elected president. In the fall athletics we defeated '10 in base ball, but lost to '09. Again in a track meet '09 beat us. On December 7, 1906, came our senior dance. This time, at the Lakeside Club, with a very large attendance and good music, it was successful all around. C. U. Smith was again in charge, as he was for our junior social functions. In the bowling tournament this season we were third.

The week of January 8-15, 1907, is one not to be forgotten by the class of 1907. On January 9th over ninety per cent of the class were indefinitely suspended for thoughtless and trivial actions on the 8th by one or two of its members. The original cause was at once righted as nearly as any past difference could be. Class meetings were held outside of the institute the 10th, 11th, 12th, and 14th of January for the purpose of getting at a reasonable agreement with the council. On the 15th the reinstatement was made only after the seniors had gone against their own sincere, conscientious feelings of right in their position.

But the year hastens on and we approach the closing scenes as undergraduates. At commencement there will be some seventy-five men who receive their degrees as men of '07. The spirit of the class of 1907 is imbued in every one of the men who has so well served it since that day in the fall of 1903, when it came into being.

When in the years that are to come memories of these times float back to us in the gay music of our dances, in the echo of our class yell, or in any of the sacred associations of our college days, then may we picture from this bare outline of our life as a class the broader idea, the fuller conception of the meaning of the words,

"THE CLASS OF 1907"

The Juniors



The Class

of

Nineteen Hundred and Eight

Juniors

COLORS: *Scarlet and Black*

YELL: *"You bet we're great!*
Armour Tech! '08!"

OFFICERS

A. A. DITTMAR, *President*

KENDRICK HARGER, *Vice-President*

J. E. MONAHAN, *Secretary*

H. S. ELLINGTON, *Treasurer*

Fulcrum Representative

E. H. STILLMAN

Social Committee

J. S. TOWNSEND R. W. STURTEVANT KENDRICK HARGER

List of Members

Students in Civil Engineering

CAHAN, JAMES
CERNY, JAMES
CONVERSE, W. I.
DITTMAR, A. A.
DOUTHITT, MERTON J.
EATON, A. W., JR.
ELLINGTON, H. S.
FLODIN, R. C.
FRARY, C. O.
GUERIN, JAMES
HARGER, KENDRICK
HOLMBOE, R.
LARSON, R. LAWRENCE
MATTHEI, H. R.
MEGAHY, J. A.
MEYER, GROVER J.
NITCHKE, P. H.
PACKER, CHARLES S.
POLLAK, ERNEST
SCHRAM, IRWIN H.
STEVENS, ROE E.
STURTEVANT, ROY W.
TAYLOR, A. C.
TRINKAUS, WILLIAM, JR.
URSON, FRANK J., JR.
WEBB, ALEX R.
WILSEY, G. H.
ZIMMERMAN, S. L.

Students in Mechanical Engineering

BARRETT, DWIGHT O.
BLISS, HAROLD D.
BOUGHTON, J. J.
BUELL, ROY O.
BURGE, G. C.
BUSSE, C. F.
CRABBS, AUSTIN
DOYLE, H. F.
EBNER, ALFRED J.
FRANCIS, A. L.
FRIEDLANDER, LAWRENCE C.
FRIEDMAN, E. M.
GLOS, H. V.
HOLMES, W. E.
HOUGHTON, EARLE W.
HURD, CHARLES G.
LATTA, SMITH H.
LEWIS, RAYMOND
LOOFBURROW, J. D.
MONAHAN, J. E.
MORGAN, W. C.
MULLOY, GEORGE B.
NADLER, HERBERT B.
PAHLMAN, PAUL J.
PARRY, GUERDON G., JR.
PAUL, HARRY J.
PERKINS, ROBT. A.
STARIN, LOUIS D.
STILLMAN, EDWIN H.
TOWNSEND, JOHN SELBY

Students in Electrical Engineering

ADAMS, E. W.
ALDERSON, H. B.
ANDERSON, M. J.
BEATY, E. M.
BINDER, GEORGE
BREMERS, H. J., JR.
BUEHLER, MARTIN A.
COLLINS, FRANK C.
CORNWALL, A. B.
DORRIS, EVERETT E.
DUNBAR, WILLIAM, JR.
HOPKINS, R. H.
HOTCHKIN, E. W.
HOWARD, R. V.
JACOBSON, J. H.
JAEGER, NEIL M.
JOHNSON, A. ROY
JOHNSTON, C. A. P.
KACIN, A. C.
LANGSTAFF, C. R.
LAURENCE, V. E.
MOREY, CLIVE R.
NEWMAN, O. R.
OEHNE, T. C., JR.
PETTY, E. W.
RASMUSSEN, E. H.
SIMMONS, LESLEY E.
SOUTHER, S. A.
VACEK, V. F.
VALERIO, J. M.
VORE, MILTON P., JR.

Students in Chemical Engineering

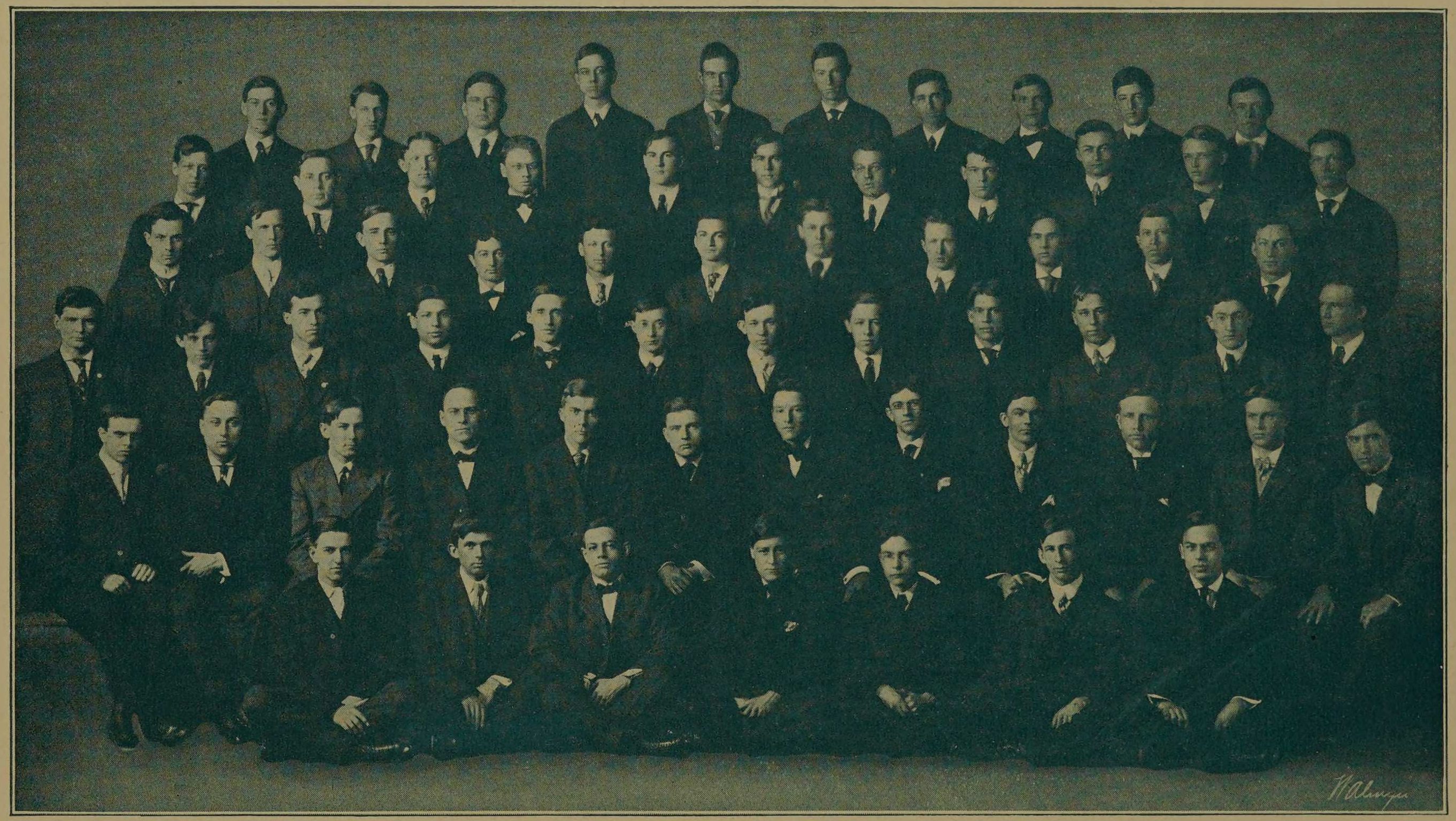
ANDREWS, ELLIS E.
CHATAIN, PAUL E.
ETTENSON, I. E.
DE LEMON, HUGO
LUNAK, S. E.
PATRICK, W. W.
SHERMAN, R. F.
TEESDALE, C. H.
WILSNACK, G. W.
WINSER, ROY A.

Students in Architecture

BERGER, L. T.
BOTTERON, C. I.
MCELDOWNEY, G. R.
OSTERGREN, R. C.
THOMPSON, M. L.
WELLS, F. D.
WICKERHAM, A. G.
WOLTERS, G. F.
WUEHRMANN, W. G.

Students in Fire Protection Engineering

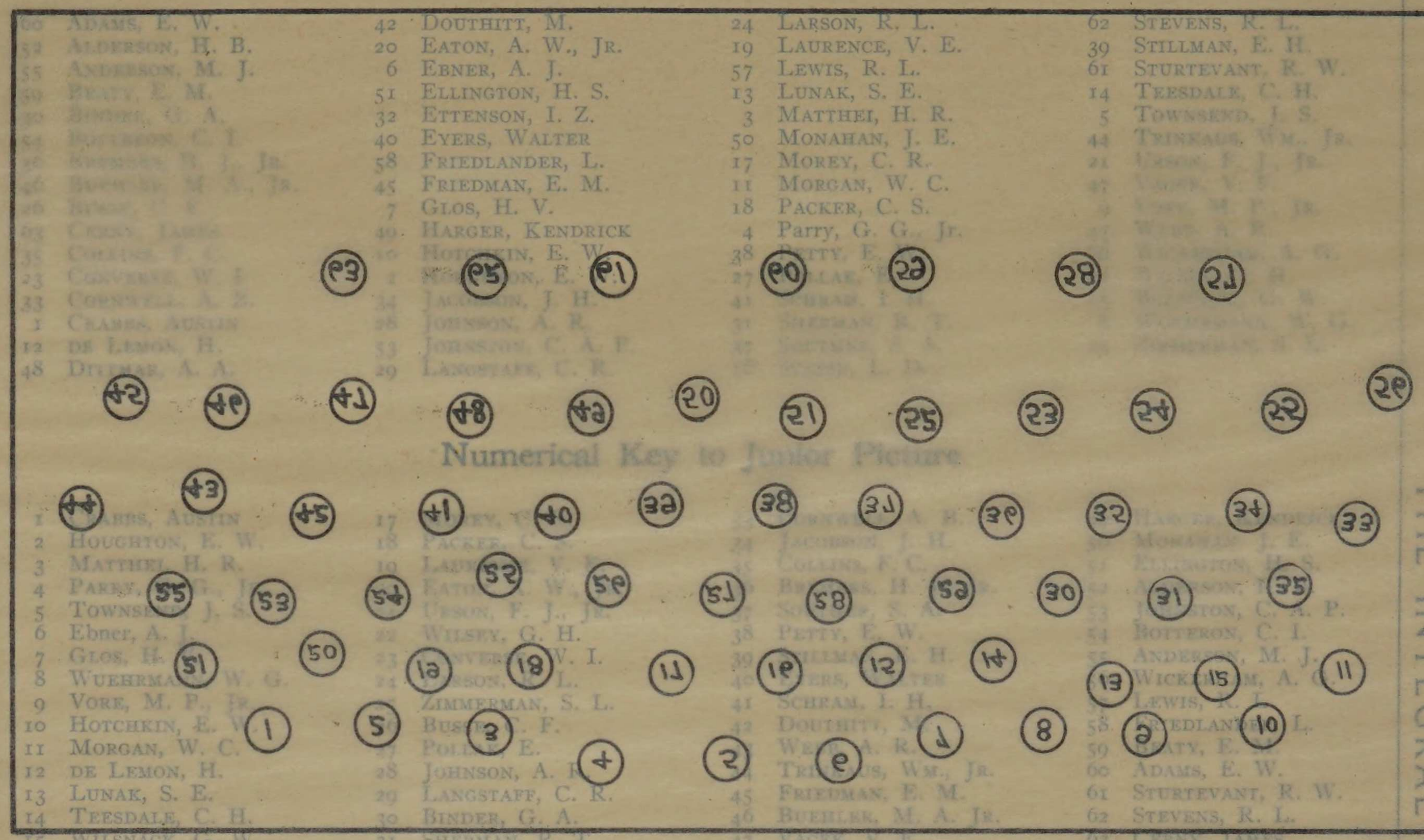
EYERS, WALTER
RICHARDSON, J. R.
THOMPSON, F. L.



THE CLASS OF 1908

(Juniors)

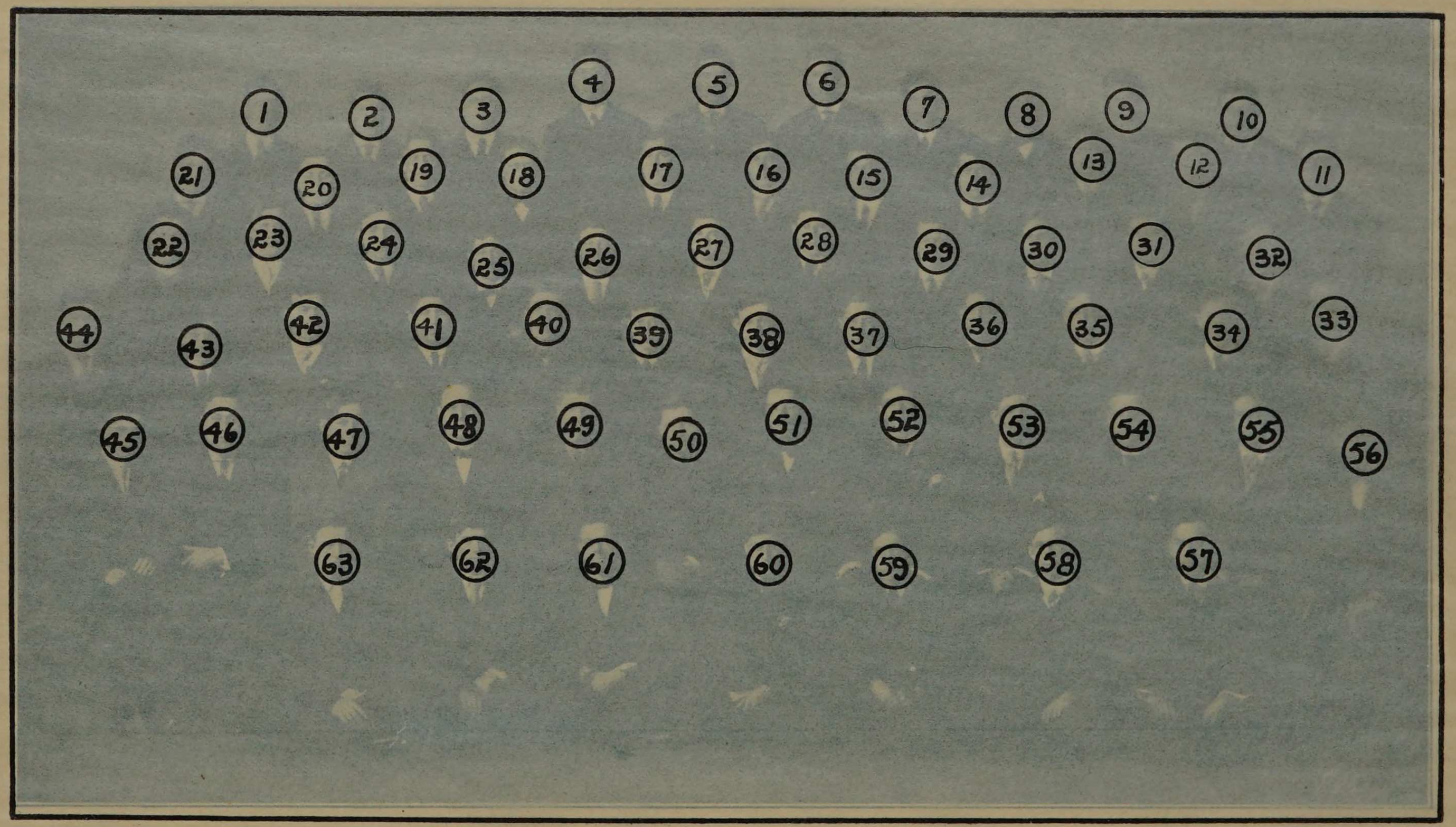
Alphabetical Key to Junior Picture



60	Adams, E. W.	42	Douthitt, M.	24	Larson, R. L.	62	Stevens, R. L.
52	Alderson, H. B.	20	Eaton, A. W., Jr.	19	Laurence, V. E.	39	Stillman, E. H.
55	Anderson, M. J.	6	Ebner, A. J.	57	Lewis, R. L.	61	Sturtevant, R. W.
59	Beaty, E. M.	51	Ellington, H. S.	13	Lunak, S. E.	14	Teesdale, C. H.
30	Binder, G. A.	32	Ettenson, I. Z.	3	Matthei, H. R.	5	Townsend, J. S.
54	Botteron, C. I.	40	Eyers, Walter	50	Monahan, J. E.	44	Trinkaus, Wm., Jr.
56	Bremers, B. J., Jr.	58	Friedlander, L.	17	Morey, C. R.	21	Urson, F. J., Jr.
46	Buehler, M. A., Jr.	45	Friedman, E. M.	11	Morgan, W. C.	47	Vacek, V. F.
26	Bunge, C. F.	7	Glos, H. V.	18	Packer, C. S.	9	Vore, M. P., Jr.
63	Cerny, James	49	Harger, Kendrick	4	Parry, G. G., Jr.	37	Ward, A. R.
35	Collins, F. C.	10	Hotchkin, E. W.	38	Petty, E. W.	36	Wickersham, A. G.
23	Converse, W. I.	1	Hodgson, E.	27	Pollak, E.	15	Wilsnack, G. W.
33	Cornwell, A. B.	34	Jacobson, J. H.	41	Schram, I. H.	8	Wuehrmann, W. G.
1	Crabbs, Austin	28	Johnson, A. R.	31	Sherman, R. T.	25	Zimmerman, S. L.
12	de Lemon, H.	53	Johnston, C. A. P.	37	Southmer, S. A.		
48	Dittmar, A. A.	29	Langstaff, C. R.	16	Starin, L. D.		

Numerical Key to Junior Picture

1	Crabbs, Austin	17	Morey, C. R.	33	Cornwell, A. B.	49	Harger, Kendrick
2	Houghton, E. W.	18	Packer, C. S.	34	Jacobson, J. H.	50	Monahan, J. E.
3	Matthei, H. R.	19	Laurence, V. E.	35	Collins, F. C.	51	Ellington, H. S.
4	Parry, G. G., Jr.	20	Eaton, A. W., Jr.	36	Bremers, H. J., Jr.	52	Anderson, M. J.
5	Townsend, J. S.	21	Urson, F. J., Jr.	37	Southmer, S. A.	53	Johnston, C. A. P.
6	Ebner, A. J.	22	Wilsey, G. H.	38	Petty, E. W.	54	Botteron, C. I.
7	Glos, H. V.	23	Converse, W. I.	39	Stillman, E. H.	55	Anderson, M. J.
8	Wuehrmann, W. G.	24	Larson, R. L.	40	Eyers, Walter	56	Wickersham, A. G.
9	Vore, M. P., Jr.	25	Zimmerman, S. L.	41	Schram, I. H.	57	Lewis, R. L.
10	Hotchkin, E. W.	26	Bunge, C. F.	42	Douthitt, M.	58	Friedlander, L.
11	Morgan, W. C.	27	Pollak, E.	43	Ward, A. R.	59	Beaty, E. M.
12	de Lemon, H.	28	Johnson, A. R.	44	Trinkaus, Wm., Jr.	60	Adams, E. W.
13	Lunak, S. E.	29	Langstaff, C. R.	45	Friedman, E. M.	61	Sturtevant, R. W.
14	Teesdale, C. H.	30	Binder, G. A.	46	Buehler, M. A. Jr.	62	Stevens, R. L.
15	Wilsnack, G. W.	31	Sherman, R. T.	47	Vacek, V. F.	63	Cerny, James
16	Starin, L. D.	32	Ettenson, I. Z.	48	Dittmar, A. A.		



THE CLASS OF 1908

(Juniors)

Alphabetical Key to Junior Picture

60 Adams, E. W.
52 Alderson, H. B.
55 Anderson, M. J.
59 Beaty, E. M.
30 Binder, G. A.
54 Botteron, C. I.
36 Bremers, H. J., Jr.
46 Buehler, M. A., Jr.
26 Busse, C. F.
63 Cerny, James
35 Collins, F. C.
23 Converse, W. I.
33 Cornwell, A. B.
1 Crabbs, Austin
12 de Lemon, H.
48 Dittmar, A. A.
42 Douthitt, M.
20 Eaton, A. W., Jr.
6 Ebner, A. J.
51 Ellington, H. S.
32 Ettenson, I. Z.
40 Eyers, Walter
58 Friedlander, L.
45 Friedman, E. M.
7 Glos, H. V.
49 Harger, Kendrick
10 Hotchkin, E. W.
2 Houghton, E. W.
34 Jacobson, J. H.
28 Johnson, A. R.
53 Johnston, C. A. P.
29 Langstaff, C. R.
24 Larson, R. L.
19 Laurence, V. E.
57 Lewis, R. L.
13 Lunak, S. E.
3 Matthei, H. R.
50 Monahan, J. E.
17 Morey, C. R.
11 Morgan, W. C.
18 Packer, C. S.
4 Parry, G. G., Jr.
38 Petty, E. W.
27 Pollak, E.
41 Schram, I. H.
31 Sherman, R. T.
37 Souther, S. A.
16 Starin, L. D.
62 Stevens, R. L.
39 Stillman, E. H.
61 Sturtevant, R. W.
14 Teesdale, C. H.
5 Townsend, J. S.
44 Trinkaus, Wm., Jr.
21 Urson, F. J., Jr.
47 Vacek, V. F.
9 Vore, M. P., Jr.
43 Webb, A. R.
56 Wickerham, A. G.
22 Wilsey, G. H.
15 Wilsnack, G. W.
8 Wuehrmann, W. G.
25 Zimmerman, S. L.

Numerical Key to Junior Picture

1 Crabbs, Austin
2 Houghton, E. W.
3 Matthei, H. R.
4 Parry, G. G., Jr.
5 Townsend, J. S.
6 Ebner, A. J.
7 Glos, H. V.
8 Wuehrmann, W. G.
9 Vore, M. P., Jr.
10 Hotchkin, E. W.
11 Morgan, W. C.
12 de Lemon, H.
13 Lunak, S. E.
14 Teesdale, C. H.
15 Wilsnack, G. W.
16 Starin, L. D.
17 Morey, C. R.
18 Packer, C. S.
19 Laurence, V. E.
20 Eaton, A. W., Jr.
21 Urson, F. J., Jr.
22 Wilsey, G. H.
23 Converse, W. I.
24 Larson, R. L.
25 Zimmerman, S. L.
26 Busse, C. F.
27 Pollak, E.
28 Johnson, A. R.
29 Langstaff, C. R.
30 Binder, G. A.
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32 Ettenson, I. Z.
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36 Bremers, H. J., Jr.
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38 Petty, E. W.
39 Stillman, E. H.
40 Eyers, Walter
41 Schram, I. H.
42 Douthitt, M.
43 Webb, A. R.
44 Trinkaus, Wm., Jr.
45 Friedman, E. M.
46 Buehler, M. A. Jr.
47 Vacek, V. F.
48 Dittmar, A. A.
49 Harger, Kendrick
50 Monahan, J. E.
51 Ellington, H. S.
52 Alderson, H. B.
53 Johnston, C. A. P.
54 Botteron, C. I.
55 Anderson, M. J.
56 Wickerham, A. G.
57 Lewis, R. L.
58 Friedlander, L.
59 Beaty, E. M.
60 Adams, E. W.
61 Sturtevant, R. W.
62 Stevens, R. L.
63 Cerny, James

'08 Class Song

(Tune of "Go Down Moses")

We came to Armour, one by one,
Back in nineteen four,
To study how to make more mon'
Than we'd heretofore.
To our purpose
Firmly we'll adhere,
Graduate, nineteen eight,
Each an engineer.

We're soaking up all kinds of lore,
Class of nineteen eight,
While Dean Clasen's keeping score,
Darned old reprobate.
Each prof. thinks his
Subject most important is,
Soaks us each every day
With a little quiz.

We'll stick it out a year or two,
Class of nineteen eight;
Of seniors then there'll be a few ,
Class of nineteen eight;
Plug hard, fellows,
It's clearly up to you,
Graduate, nineteen eight,
Then we'll all skiddoo.

M. T. Jones, Jr.

NAME A. Junior

ADDRESS 33rd St. & Armour Ave

SUBJECT The Class of 1908

DATE Mar. 27-07.

A. I. T.

A+

Question 1. Name and give a brief description of the first achievement of that class most remarkable in the history of Armour Tech., the Class of 1908, and name at least seven of the heroes who butted into the limelight on that memorable occasion.

Answer. To give a brief description of the first achievement of the Class of 1908 upon its entrance at Armour, seems almost impossible. The event at which that class had the first chance to show its mettle (The Freshman-Sophomore Class Rush) was so important and meant so much to that class, that it would be an injustice to limit this description here. This rush assumed such proportions and became so fierce, that it was plainly to be seen that at last had been found a freshman class capable of handling the tricky sophomores.

About one hundred and fifty freshmen and an equal number of the sophs were in this great tussle and despite the fact that the freshmen had been at Armour and had known each other for only one week, they "stuck" in a mass and did unto the sophs as they saw fit. When the yell "08 east" went up, the battling mass surged to the east. They stayed right with the dummy and with such huskies as Dittmar, Frary, Matthei, Pegues, Trink, Urson, and Buehler in line, what could the poor "By Heaven" Class do. All through that sweltering half hour, the battle continued with the freshmen having things "their way." When the end came the '08 boys had control of the dummy. But the seniors didn't want to give them the decision and, not daring to decide against the freshmen, called the affair a draw.

All during the fracas, Morgan, Barrett, and a few others upheld the '08 Class as students by remaining in the drafting room doing "Descrip." After the rush and directly following a short talk by Dr. Gunsaulus, Pollard filled his meerschaum and took some quiet puffs while Bobblet sat nearby and thought of the "good stories" which he would tell long after the field had cleared. Bannerman retired to the Fulcrum office and demonstrated the literary ability of the class by writing the "Freshman View" for the Fulcrum. M. T. Jones was busy exploring the photographic field for that class and took some views. The above and other instances fully proved that the '08 Class was destined to take a very important place in life at Armour Institute.

Question 2. Give an account of the feats of prowess of the Class of 1908 and thus show the achievements on the gridiron, on the track, on the alleys, and on the diamond.

Answer. We were the first Freshmen to gaze upon the beautiful, delightful Ogden Field. This tract of ground was dedicated to athletics and recreation at the first assembly which we were invited to attend. Our first contest, however, was not held on Ogden Field but at Hand's Ball Park, Sixty-seventh and Jackson Park Avenue, Oct. 28, '04, where we went, we saw, and were defeated by the '07 football team to the score of 6 to 0. On Feb. 20, '04, the juniors defeated the basketball team by a score of 22 to 14.

In the bowling tournament our team ranked third having won fourteen and lost thirteen games. Oh, unlucky thirteen! "Naught-eight suffered much from inexperience as do most freshman teams, but put up a good fight and helped to make things interesting." Schmick, '08, won second place in the two-man tournament.

On March 9, 1905, our arch enemy, '07, again defeated us, this time in basketball, by a score of 48 to 22. "The '08 team made a plucky up hill fight but it was in vain."

Our day came when the ir terclass track meet occurred on Ogden Field, Friday, April 28, '05. First, freshmen, 56; second, juniors, 25; third, sophomores, 9; seniors, 0.

The freshmen were more than satisfied on November 3, '05, when their football team defeated '08 by a score of 23 to 0. "It was a good, square game and no hard feelings at all"—Whipple, President '09 Class. '08 proved its superiority in the interclass basketball tournament. Our team practiced faithfully and were rewarded with victory over all competitors.

In the bowling tournament, '08 tied with the seniors for second honors, winning eight games and losing ten.

In the class trackmeet, April 21, '06, our team won second place with 29 points as against 69 for the freshmen. Frary, '08, made the best individual showing, scoring fifteen points.

In the interclass bowling tournament this year, '08 had to be content with second place.

On October 6, 1906, '08 defeated the freshmen at baseball by a score of 15 to 12.

The college interclass baseball championship for the fall of 1906, was won by the class of 1908.

Question 3. Give an account of the "doings" of Naught-eight in the social world.

Answer. The Class of Naught-eight made its debut in the Armour Institute social world September 30, 1904, at Gastronomy Hall. The event was the annual handshake extended to the freshmen by the Y. M. C. A.

On November fourth of the same year, Naught-eight was introduced to that brand of society peculiar to Armour Tech., the Freshman Smoker. We were treated to several fine examples of extemporaneous speaking, some of which contained good advice, and some good stories. Everybody was treated to smoke either externally or internally and everybody had a good time.

To quote from the '05 INTEGRAL, "The committee and twenty-two other freshmen attended the freshmen dance," Naught-eight's first attempt in the social line. Notwithstanding the shortage of freshmen everybody had a good time and voted the dance a success.

Late in May, 1906, the sophomore dance was given by Naught-eight at the Englewood Masonic Temple. The excellent work of the social committee was rewarded by a

large crowd of Armourites. The dance was a typical Armour affair ('Nuff said).

This year Naught-eight is engineering Junior week. Two social events are scheduled to take place at this time, the Junior Prom at the Lakeside Club, and the Junior Banquet at Vogelsang's. The social committee promises the best dance of the season and the banquet committee promises some fancy interior decorations.

Question 4. Prove that Naught-eight excels in the field of literature.

Answer. In the field of literature the Class of 1908 has given to the world the most genuinely exciting and delightfully realistic presentation of the English language ever before offered by any class at any time or place.

Witness the posters of our freshman and sophomore years, masterpieces of thrilling, daredevil feats of penmanship.

Witness the 1905-06 Fulcrum under the all-star literary management of the Eyers-Stillman-Adams crowd, and the unexcelled financial management of Ellington.

Witness the songs of our sophomore year, composed by that very versatile scholar and gentleman, M. T. Jones, and sung under his direction by his superb company, the Class of 1908.

Witness the 1907 INTEGRAL which you now peruse, pronounced the most sensational success of its kind in the history of Armour Tech.

Witness the Class of 1908, in its senior year and years to come, and you will observe that its literary lights are still burning as brightly and as majestically as ever.

All of which prove that the class of 1908 excels in literature.

Question 5. (*a*) Who is Buehler and what has he done?

(*b*) What made Stillman famous?

(*c*) Name the Champion Absorber of Larson's Luscious Lunches.

Answer. (*a*) Buehler, otherwise known as "Marty," is one of the biggest juniors in existence. He has done nearly everybody and is looking for more. "Marty" makes a specialty of chalk throwing, salted peanuts, runaway horses, girls, and warbling.

(*b*) Stillman, the man with the blonde voice, attained fame by his special research work on "The Haunts and Habitations of Correspondence School Girls and Kindergarten Teachers."

(*c*) As gastronomical experts Lunak and Wilsnack take the cake and everything else in sight. These two are still fighting for supremacy and the title of Champion Absorber of Larson's Luscious Lunches.

Question 6. Name the seven principal Naught-eight organizations and give the prominent members of each.

(*a*) "Disciples of Physics"
De Lemon
Townsend
"Nebraska Hank"
Valerio
Winser

(*b*) "Knights of the Midnight-Oil"
Trinkaus
Urson
Francis

(*c*) "Amalgamated Association of Math Sharks"
Binder
Parry
Langstaff

(*d*) "Bluffer's Union 23"
Adams
Eyers
De Lemon

(*e*) "The Knockers Klub"
Sturtevant
Parry
Webb

(*f*) "Protective Brotherhood of Fuse Blowers"
Bremers
Binder
Alderson
"Cap" Johnston

(*g*) "Association of Question Propounders"
Alderson
Binder
Jacobson
Parry

The Summer Camp



About 8'oclock on the evening of June 1, 1906, there met among the bustle and confusion of the Graham & Morton Docks a gang of hoodlums, roughnecks, hobos, and candy kids, afterwards known as the Waukazoo Indians, who, it would seem from the instruments, tripods, level rods, and range poles which they were carrying, were going on a surveying trip. But it was only the members of the Armour sophomore class who were about to take the Summer course in surveying and in the pursuit of pleasure at Waukazoo, Michigan.

The surveying course was under the care of Prof. Phillips, the head of the civil engineering course at Armour, and the course in recreation was under the able leadership of Mr. A. C. Taylor of Kansas.

The ropes were cast off amid the cheers of the fellows, and the eventful trip was begun.

Holland came in sight at 4:30 A. M. There was a wild scramble as soon as the gang plank was out to get ashore, and as soon as the fellows landed they tore up the street in search of the nearest hash foundry.

After an early breakfast, they adjourned to the dock, where a launch was chartered to take the bunch to the camp; but the launch was not large enough to hold all, so Bumboat, Webbie, Sturtevant and the rest of the baggage was left over for the second trip. When they arrived at camp the tents were not up, and they had a lovely time pitching them.

After the tents were finally up the party took a swim, which lasted the rest of the morning. Twelve o'clock found a hungry horde of hounds waiting at the sumptuous board covered with oil-cloth and not much else. After dinner the camp retired to the tall uncut, and Mrs. Phillips had the first of her many concerts rendered by Hudlum, Conny, Cerny and Larson.

In the meantime Taylor, Eaton, and Frisbie raised a scow and navigated the lake with the aid of a barrel stave. One fellow paddled and the other two bailed to keep the noble craft afloat. They returned in style however, having rented a row boat, and the whole camp was there to welcome them. That night they made the first of their many trips to Jenison Park, where more boats were rented. They also butted into the dance and succeeded in meeting the high society of Holland and most of the waitresses of the neighboring resorts.

The next morning at 6:30 they were routed out by Prof. Phillips, had breakfast, and then rowed to work. They worked till twelve, had an hour for lunch, and then worked until five in the evening, when they returned to camp, indulged in a swim, and dressed for the evening gayeties. This was the usual program for the next two weeks.

At six P. M. they were called together at the before mentioned table, by a blast from an old tin horn. Thirty hungry individuals were eagerly waiting to be served by Katie, the mistress of ceremonies and chief hash-slinger, and Ruth, her able assistant, who had a pleasant way of hitting you on the head and reeling off the meager bill-of-fare like a Victor Talking machine.

The table manners and conversations were very elegant, to say the least. Nebraska held the belt for eating with his knife. He contended that he had done so for twenty-three years, never once cutting himself, and that he could use two knives as well as one, which we never doubted. But he had to work hard at times to hold the belt, as the competition was strong.

Some of the more common expressions which Mrs. Phillips said she could hear above the feeding of the animals, were "shoot me the sand" (sugar), "throw me some staff of life" (bread), "slip me the gore" (catsup), "some lime water" (milk), "toss me some dog" (meat), "slide me the grease" (butter), and many more of the same.

Along the latter part of June, Webbie and Fris' made a happy discovery of nine sorority girls from Grand Rapids, who were holding a house party at the park. In a very short time each of the girls had a camp boy doing her slightest wish. The cottage of the girls was at once the center of attraction and there were dances, marshmallow roasts, or just plain porch sittings every night. As a climax there was a hay-rack ride to Holland and back. This took place on a Saturday night, and as the poor dears could not go back to the Rapids without a view of camp, they were all invited down to Sunday dinner. That night they left for Grand Rapids, leaving many fond friends and a kind invitation to come and see them.





The following Saturday afternoon Taylor, Fris', and Sturdie went to Grand Rapids and were the girls' guests. The following day eight more of the bunch went down. The girls took them up the river in canoes, where there was a picnic lunch, and then they returned to Grand Rapids. In the afternoon they took a car ride to see the town. Supper was served at the home of Taylor's friend, and the bunch caught the last car for Holland. The only drawback to the trip was that they could not get back to camp that night, so they had to remain at a hotel. As they overslept in the morning they "played hookie" all day Monday.

The last two weeks were spent in a round of gayeties, rough house, and hard work. One night about two weeks before they returned to Chicago they serenaded Mr. and Mrs. Phillips, Waukazoo Inn, and a number of the cottages along the lake front. The next morning both Mr. Phillips and Mrs. MacFarland told the fellows that when Prof. MacFarland came up they must give him a royal reception, which they did. The night Mr. MacFarland came the fellows got home about two A. M. so they started their serenade and night-shirt parade by getting Mac and hazing him. Then they went to Macatawa, where they serenaded all their girl friends and woke up the whole place. The only one who made any kind of a hit was Hudlum in his baby-blue pajamas. They got back to camp about 5:30 A. M. and retired. About seven A. M. Prof. MacFarland got his revenge by pulling all the bunch out of bed. After breakfast Mr. Phillips wanted them to go to work, but the wise ones went to bed and would not wake up.

After this the fellows worked harder than ever and ended by running a system of levels for a sewer system for Holland. This last work was completed sooner than expected, so they got off a few days earlier. It was home and mother for most of them as quick as they could, for they knew that they could get a square meal at home.

Conny and Urson felt terrible at leaving their Holland girls, while Taylor and Sturdie could not be consoled at leaving the pony cart.

THE SOPHOMORES



The Class
of
Nineteen Hundred and Nine

Sophomores

COLORS: *Blue and White*

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

OFFICERS

H. W. YOUNGBERG, *President*

E. B. CRANE, *Vice-President*

M. C. SHEDD, *Secretary*

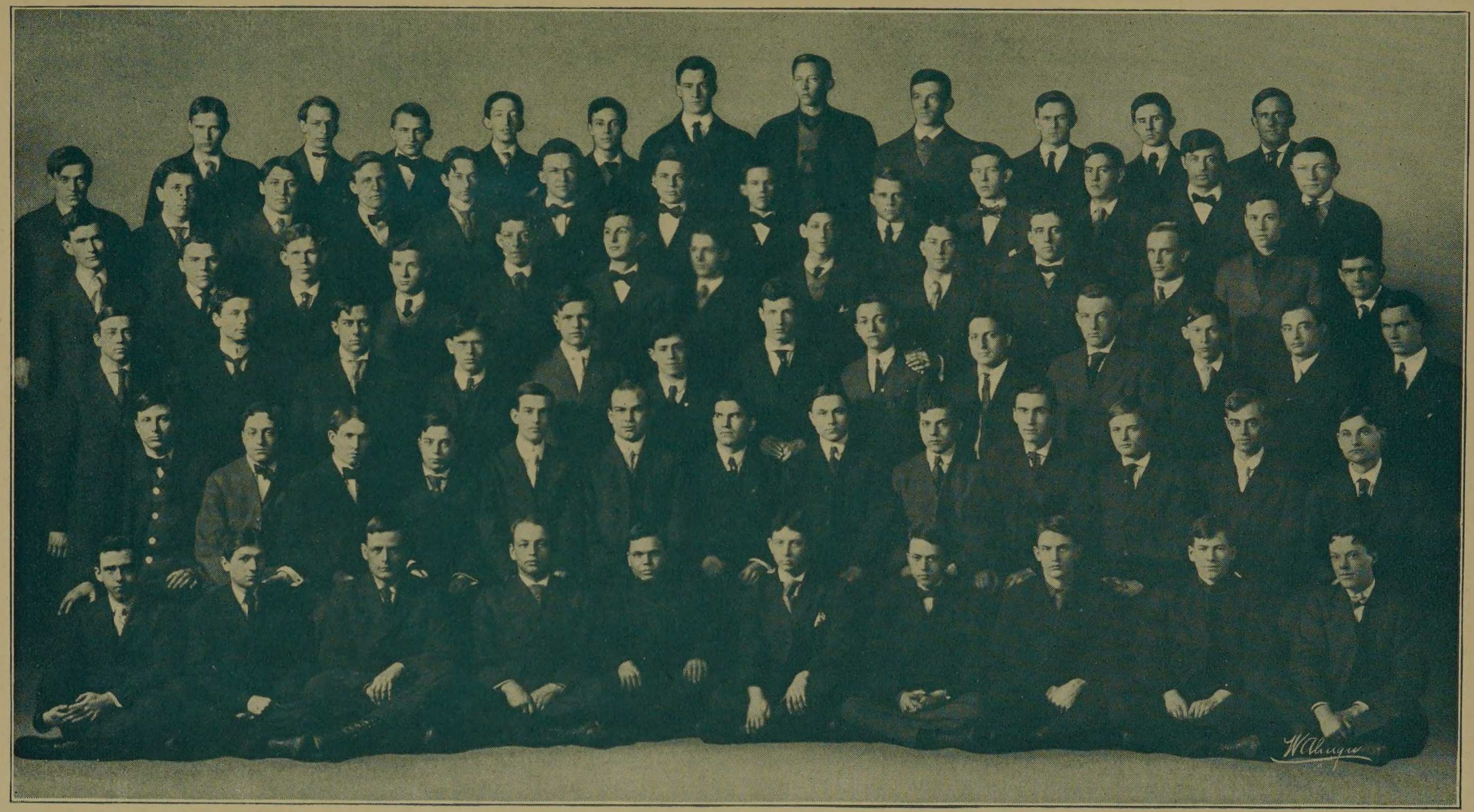
A. C. BUCKETT, *Treasurer*

Social Committee

E. V. MCKARAHAN D. D. DICK C. L. CURRIER

Integral Representatives

J. S. HARVEY, JR. J. A. JONES



THE CLASS OF 1909

(Sophomores)

List of Members

Class of Nineteen Hundred and Nine

Students in Civil Engineering

Anderson, Arthur G.
Beckman, Herman E.
Chamberlain, E. W.
Currier, C. E.
Dawson, Manierre.
Deveney, William J.
Dick, Donald D.
Ebert, Alfred A.
Ecklund, C. A.
Frisbie, Henry C.
Johnson, R. W.
Lemmon, C. C.
Letterman, G. D.
Leydon, Thos. J.
Meyer, Fred C.
Miller, Phillip W.
Niestadt, Fred A.
Overstreet, R. N.
Peterson, Ivan
Reynolds, Robert L.
Richards, T. E.
Root, Hinman R.
Schlinz, H. W.
Seiler, Robert A.
Solomon, W. W.
Speer, J. T.
Uhlendorf, E.
Walter, Ralph A.
Wappler, E.
Youngberg, Harry W.

Students in Mechanical Engineering

Aurelius, S. J.
Conlin, Wm. I.
Dekker, Harry G.
Eckert, John M.
Ellet, A. M.
Fisher, Arthur W.
Grassby, G. A., Jr.
Harvey, James S., Jr.
Kinzel, Arthur J.
Krill, Henry
McAuley, B. F.
Mahler, H.
Mattison, C. L.
Mayes, Frank H.
Menkin, Jesse I.
Pearce, George C.
Rahr, Niels
Schewel, A. M.
Shedd, Milton C.
Spitzglass, Jacob
Steward, William, Jr.
Thomas, W. E.
Young, A. G.

Students in Electrical Engineering

Aronian, Zarah
Bassett, J. B.
Benson, O. R.
Bexton, Louis N.
Bouslough, R. W.
Burr, C. S.
Chambers, Guy A.
Crane, Edwin B.
Curtis, H. S.
Dennis, C. W.
Downton, Percival G.
Durand, Fred A.
Ehrlich, George W.
Fey, Wealthey
Fitch, Joseph E.
Forbes, E. R.
Guthrie, J. F.
Hall, A. Gage
Hamilton, Edward B.
Harmon, A. M.
Heim, Karl
Hirschfeld, George
Jones, Charles H.
Kahn, Lamos
Kramer, Robert E.
Levitan, S. C.
Lessel, Ralph
Lindsay, Curtis M.
Lockwood, W. C.
McMinn, R. H.
Maas, Herbert I.
Mabbs, J. Kenneth
Mott, H. J.
Moyses, Harry
Nelson, E. D., Jr.
Ostergren, Harry
Peters, William H.
Pinkerton, Elwood
Preston, Harry F.
Richards, W. A.
Riker, A. C.
Rose, Herbert
Rosenblatt, Arthur
Schuler, William
Simpson, Tracy W.
Stadeker, G. I.
Strong, A. P.
Sumkowski, Alfonse J.
Tregay, John
Van Etten, F. C.
Waters, G. M.
Wistrom, F. S.
Zanzig, F. C.

Students in Architecture

Buckett, A. C.
Bunker, Ralph
Chambers, Harold C.
Davis, Charles G.
Hagerup, L. O.
Jones, J. Alfred
Miller, Earl F.
Neu, Matthew
Peyton, Frank
Traver, Albert A.
Von Gunten, Orland
Waldo, Alfred T.
Yule, Clarence L.

Students in Chemical Engineering

Ballagh, J. C.
Dunham, Joseph L.
Ford, T. Cecil
Hammond, Edward K.
Howard, W. A.
McMullen, E. W.
Parker, R. M.
Ringler, Charles C.
Rogers, Thomas T.
Smith, Hallam C.
Wiard, W. H.

Students in Fire Protection Engineering

Ahern, John F.
Oberfelder, N.
McKarahan, E. V.

History of "The Class of 1909"

It is generally assumed that the Sophomores are by far the most conceited students in the college. Perhaps they are, and if any of their esteemed fellow collegians maintain such an opinion of them it is with the assurance that the highly distinguished men comprising the class of 1909 have ample cause to value their worth.

Without wishing to bore you, kind reader, they cannot refrain from mentioning that September 18, 1905, figures as an eventful day in the college history. Two hundred and fifty eager and ambitious young men came here as Freshmen. That a brilliant star was added to Armour's galaxy of classes was apparent. This constellation gained in ascendancy and has been rising ever since. The whole college has its eyes on it—the great, glorious, wonderful, and dashing class of 1909.

Looking over their unfinished history, there are revealed many striking characteristics which all tend to prove the infinite superiority of '09 over every class that has entered Armour. The brilliancy of its achievements is Napoleonic. While commencing their strenuous work in the class room, they found time to drive the '08 contingent from Ogden Field when they met them in the class rush. Later when they met their "Lords and Leaders"—the class of 1908—on the gridiron, they defeated them with the whole college as spectators, and the score was 23 to 0. Already recognizing their worth, the upper class men tendered them a smoker in order that they might have the honor of meeting them face to face. The president and the members of the faculty were evidently imbued with the same spirit.

Again they paused from their work of mastering engineering in order to win the college bowling tournament. Of course, the player they gave to the Tech basketball team account for the success of that organization.

March 2nd of last year showed that any one privileged to write "Armour '09" after his name is equal to the occasion, whether in the field, in the class room, or gliding over the polished floors of the Colonial Club with a pretty girl. In passing, it might be said that they furnished seven players on the college base ball team.

This is merely an evidence of their athletic prowess. Their sweet voiced singers were the attraction at the glee and mandolin club concerts. Their first year ended with many compliments from the faculty for their excellent scholarship.

Right at the outset of their Sophomore year they abolished the old-style class rush and substituted in its place the manly and exciting tug-of-war. As a matter of fact, the preliminaries to such an affair were a terror to all freshmen, and it was at this time that 1910 began to appreciate the masterful genius and commanding resources of '09.

Not only assuming the lead in all affairs, whether social, athletic, or scholarly, 1909 has published The Fulcrum this year. Under the present management this magazine has attained a high position among the news and technical publications of American colleges. Next year their activities will be confined mainly to The Integral, and for the result—wait.

Turning the pages of their incomplete history, their life this year at Armour has been a very pleasant one.

The Freshmen



The Class

of

Nineteen Hundred and Ten

Freshmen

COLORS: *Blue and White*

YELL: *"On the deck!*
Once again!
Armour Tech!
Nineteen ten!"

OFFICERS

W. C. BRUCE, *President*

A. R. MEEK, *Vice-President*

C. P. WADLEY, *Secretary*

W. HILL, *Treasurer*

Integral Representatives

W. C. BRUCE EUSTACE VYNNE

Fulcrum Representatives

W. R. TOBIAS P. W. THOMAS

Social Committee

MILES STANDISH W. C. BRUCE D. W. BOWMAN

W. D. OTTER E. S. GOODSPEED



THE CLASS OF 1910

(Freshmen)

List of Members

Class of Nineteen Hundred and Ten

Students in Civil Engineering

Aymar, John W.
Bergbom, Arthur L.
Brinkman, P. P.
Bristol, G. C.
Buck, Glenn W.
Buck, S. H.
Carlock, Fred M.
Cole, Victor
Craig, B. J.
Daly, James J.
Day, Robert
Dunne, Richard
Elseffer, V. B.
Emin, Gerson H.
Farnhain, E. A., Jr.
Fletcher, Douglass P.
Hand, Henry
Hill, William
Hough, H. R.
Hunt, Lisle
Hurwitz, Harry K.
Ingersoll, Harold
Ivison, George E.
Jens, Walter G.
Jewell, William M.
Jones, Morris E.
Kellner, O. R.
Kellner, W. A.
Kloman, Chas.
Lawson, M. C.
Liebenstein, Harold
Lyon, Ray V.
Mackenzie, John A.
MacKnight, James R.
Maguire, F. V.
Matthay, H. P. L.
Monoz, Frederico J.
Narozny, Joseph
Olsen, Benjamin, T.
Osmena, M. V.
Pearce, Roswell P.
Poland, Lester A.
Reynolds, J. C.
Sandahl, Carl A.
Schwinn, F. S.
Schafer, Glenn A.
Shapiro, Benjamin
da Silva, C. J.
Slaughter, Raymond
Sleeper, Fred L.
Smith, Monroe A.
Stevens, Wirt A.
Thomas, Percy W.
Tobias, W Ray
Vynne, Eustace
Williams, Duvall

Students in Mechanical Engineering

Ambrose, Roy
Austin, John L.
Baer, Walter J.
Bailey, Clarence C.
Baughman, I N.
Belding, Harlow H.
Bolte, Edw. C.
Bowman, Cyrus S.
Boyle, Clarence, Jr.
Brant, Paul
Bruce, Wm. C.
Bunge, Louis W.
Byers, A. A.
Carlson, J. W.
Chesley, Samuel L.
Cook, Herbert D.
Crocker, A. H.
Dinse, George
Durkee, H. B.
Earley, F. H.
Galvin, William
Gentry, T. E.
Hasberg, William M.
Havill, Fred B.
Henwood, Proctor E.
Hunt, Chas.
Kies, Christopher
Kimball, Norman
Leavell, Richard
Lohse, A. W.
Meek, A. R.
Moore, Howard J.
Norris, Joseph C.
Otis, Spencer, Jr.
Otter, W. D.
Perkins, E. R.
Raymond, A. W.
Rosenthal, Henry
Schnabel, Fred
Scott, Frank J., Jr.
Stockley, Marx A.
Taylor, Thomas C.
Tenny, Fred H.
Venn, Harry L.
Vial, L. W.
Wadley, Calvin P.
Watterson, E. R.
Wernick, F. E.
Wheeler, Harley T.
Wolfe, Jesse B.
Young, Donald

Students in Electrical Engineering

Blake, Lawson
Calhoun, James R.
Calvin, John, Jr.
Carmody, T. J.
Clarke, G. L.
Cooper, Douglass, Jr.
Curkeet, John E.
Dobbie, Ed.
Edmunds, E. W.
Edwards, D. S.
Eliel, Robert L. G.
Frazier, James
Fuller, Frank J.
Gault, Mark E.
Gehrke, Fred
Germain, S. E. Jr.
Glick, Hyman D.
Godfrey, F. Ozro

Students in Electrical Engineering (Continued)

Goldfarb, S.
Grant, W. E.
Gravestock, Herbert
Gray, R. Leonard
Guthier, Roy
Hatman, Julius G.
Heitner, Walter
Hills, George B.
Hoffman, R. J.
Holmboe, Harold
Hunter, E. M.
Jensen, Herbert
Johnson, Chester
Kallis, Maurice
Keely, Howel B.
Kuehne, J. H.
Ledlie, J. B.
Lowe, J. O.
Lynch, Harold
Lyon, Morton
McCormick, Raymond
McCunne, S. Walker
McEwing, Eugene
Mackey, Verne W.
Manning, John C.
Nelson, G. W.
Nevill, W. J.
Parkins, Frank E.
Pfaelzer, F. M.
Pfanstiehl, Carl
Quinn, Joseph B.
Riesenberg, W. E.
Rogers, H. J.
Rothwell, P. A.
Saloman, M. J.
Sherwin, Edward
So Rell, Arthur W.
Spierling, A. O.
Standish, Myles
Stark, David H.
Steiner, Irving W.
Sweet, Frank D.
Taylor, F. Ward
Tearney, Roscoe
Thatcher, Walter C.
Todd, Samuel R.
Van Vliet, Paul I.
Vial, Solon C.
Wallen, Fred E.
Walsh, W. H.
Watson, James
Watts, Frank
White, V. A.
Whitmore, C. M.
Whitmore, Ray
Williams, Guy E.
Williams, L. L.
Wilson, R. C.
Zeisler, Louis

Students in Architecture

Abraham, Sam.
Aram, Walter
Alschlager, Walter
Bajari, William P.
Bellas, Charles
Bentley, Percy D.
Blosser, Owen C.
Bowan, D. W.
Bovard, William Z.
Bristle, Joseph H.
Cayne, J. H.
Clarke, Leslie D.
Clarkson, W. G.
Coddington, Charles
Coddington, Roy
Coen, Alban W.
Dunning, Hugh B.
Fossum, George F.
Goodspeed, Earl
Greenebaum, Samuel
Gugler, Erich
Hardy, Silas S.
Heaps, Roy
Hooper, S. L.
Howenstein, W. K.
Hyde, R. M.
Kirkpatrick, C.
Lindsay, A. F.
Livermore, Joseph D.
McCullough, Fred
Mackie, H. E.
Mathis, J. F.
O'Neill, W. J.
Parker, S. R.
Pashley, Erwin S.
Paterson, James E.
Stoddard, Hubert H., Jr
Sweet, A. B.
Thompson, Macy G.
Turner, Mac
Van, L. R.
Von Gunten, Tillman
Rowe, Lindley
Saam, Karl
Salisbury, Robert H.
Seeger, Ralph E.
Snow, Charles H.
Steigely, Arthur C.

Students in Chemical Engineering

Barrows, Frank E.
Boal, A. D.
Chapman, Ray O.
Crichton, H. N.
Jennings, E. F.
Johnson, Edmund C.
Losey, Howard
Thatcher, E. A.
Sampson, Stacy
Squair, Francis R.
Starmann, George, Jr.
Weathers, Armada T.

Student in Fire Protection Engineering

Levering, Rosier W.

History of "The Class of 1910"

Notwithstanding the fact that in previous years the freshmen have received the worst of it, the class of 1910 has changed the regular custom and its members have been successful in all their undertakings.

During their prep-school course the present freshmen showed great promise of the wonderful feats they were to perform when in college, and it is the concensus of opinion among the upper class men that '10 will surely do much that will mean honor and glory to A. I. T.

The first event of importance in which the "freshies" were engaged took place on Freshmen Tuesday, September 23d. This memorable date will never be forgotten by the participants in the festivities of this glorious day. Notwithstanding that on the night previous both the freshmen and sophomores had made the vicinity of the Tech very interesting for each other, the inhabitants, and several policemen, the majority of '10 were on hand to do battle with the haughty sophomores at the appointed hour.

By order of the Council the class rush was discontinued and in its place a tug of war was scheduled to decide the supremacy of the contending classes.

At twelve thirty o'clock the supreme moment had arrived. The men of '10 were assembled at the north end of Ogden Field, while at the opposite end were congregated the sophomores, huddled about their leader, uncertain of their ground, and cowardly in their actions. It was interesting to notice the difference in the demeanor of the opposing forces. The freshmen were quiet and orderly and it was easily discernible that they knew their strength. The men of '09 seemed panic stricken.

At the sound of the pistol both classes rushed for the rope, and, of course, the freshmen had no trouble in dragging their opponents over the mark. This was repeated and after showing up the sophs in the best possible manner they desisted on the appeal of the judges duly appointed for the occasion.

All the freshmen resumed their studies very quietly on the following morning, as if humbling the haughty sophomores was a daily occurrence.

This class was exceedingly pleased at the smoker tendered them by the upper class men and enjoyed their first view of the social life of the college to the utmost.

The Freshmen Informal held on the evening of January 18th, at the Lakeside Club, was a very pleasant affair and was voted one of the best dances of the year by all who were present.

The freshmen attendance at the Glee and Mandoline Club Concert was remarkable and the audience enjoyed the songs and yells rendered by the freshmen class during the intermission. They again clearly showed their superiority over '09, who for some unknown reason had only six of its members present. The above named events certainly preface a glorious future for 1910.

DEPARTMENT OF ARCHITECTURE



Department of Architecture

THE ATELIER

Colors: Bronze and Olive Green

OFFICERS

M. L. Thompson, *Massier.*
A. G. Wickerham, *Secretary.*
A. T. Waldo, *Treasurer.*
A. F. Lindsay, *Sergeant-at-Arms.*

Class of 1908

M. L. Thompson, *Massier.*

Berger, L. T.
Botteron, C. I.
McEldowney, G. R.
Ostergren, R. C.
Wells, F. D.
Wickerham, A. G.
Wolters, G. F.
Wuehrmann, W. G.

Class of 1909

S. Greenebaum, *Massier.*

Buckett, A. C.
Bunker, R.
Chambers, H. C.
Davis, C. G.
Dunning, H. B.
Hagerup, L. O.
Jones, J. A.
Miller, E. F.
Neu, M.
Peyton, F.
Traver, A.
Von Gunten, O.
Waldo, A. T.
Yule, C. L.

Class of 1910

E. S. Pashley, *Massier.*

Adler, Chas.
Adler, W. S.
Ahlschlager, W.
Abrahams, S.
Bajari, W. R.
Bellas, C.
Bentley, P. D.
Blosser, O. C.
Bowman, W.
Bristol, J. H.
Clark, L. D.
Clarkson, W. G.
Coddington, C. S.
Coddington, R. L.
Coen, A. W.
Coyne, J. J.
Davidson, M.
Fossum, G. F.
Gaddis, W. G.
Goodspeed, E.
Gugler, E.
Hardy, S. A.
Heaps, R. R.
Hyde, R. M.
Howenstein, W. K.
Hooper, L.
Kirkpatrick, C. D.
Lindsay, A. F.
Livermore, J. D.
Mackie, H. E.
Mathis, J. F.
O'Neil, J. O.
Parker, S. R.
Paterson, J. E.
Rowe, L. P.
Saam, K. F.
Salisbury, R. H.
Seeger, R.E.
Snow, C. H.
Steigley, A. C.
Sweet, A. B.
Thompson, M. G.
Turner, M.
Van L. R.
VonGunten, T.



The Atelier

"Speech is silver, but silence is golden," is an old saying. Yet if nothing were said of the Atelier, the local architectural organization, those who are not so well acquainted with its members might easily misinterpret the silence and think that the organization had ceased to exist or had never existed.

It is therefore fitting to correct this misunderstanding, if there be any, by letting all the men at Armour know that the work of the architects, although progressing silently, will lead to successful careers in the future.

You often hear remarks about the architects building air castles, but in due time these mere dreams, as they appear at first to an outsider, will gradually develop into strong and noble structures.

The large increase in the number of members this year is sufficient proof that this department is gaining ground. In order to accommodate the increasing numbers, two more rooms were added to the architectural department. One is used as a lecture room and the other, as a drafting room.

This year the architects held their second annual banquet at Vogelsang's and their first annual dance was held at the Art Institute. Both proved to be grand successes.

As to the individuals, there are some who have been keeping the rest guessing and whose characteristics might be outlined as follows:

Berger, alias Buster Brown, the human sponge.

McEldowney, the boy with the blonde voice, whose favorite tune is "A Cousin of Mine."

Wolters, the socialist.

Wicky, one of Pittsburgh's twenty-eight catalogued "good" men.

Ostergren, the originator of the Cottage Grove Renaissance style of architecture.

Thompson, the bearer of all troubles.

Wuehrmann, the exposer of note book graft.

Botteron, the champion wrestler from St. Louis.

Traver, an object of veneration.

Neu, the man who is determined to be an "archyteck."

Von Gunten, the man who has many dreams.

Jones, the demon editor and mountain designer.

Greenebaum, head warden of the Skidooville Insane Asylum.

Texas, Coen, and Thompson, the matinee boys.

Lindsay, the man who thinks aqua pura a poor drink.

THE ACADEMY.



The Scientific Academy

of

Armour Institute of Technology

33rd Street and Armour Avenue

Chicago, Illinois

Founded 1892

by

Philip Danforth Armour

COLORS: *Blue and Old Gold*

YELL: "*A. S. A. Hoorah! Hoorah!*
A. S. A. Hoorah! Hoorah!
Hoo-rah! Hoo-rah!
Armour Academy
Rah! Rah! Rah!"

Armour Scientific Academy

The Class of 1907

COLORS: *Maroon and White*

YELL: *"Rah! Rah! Rah! Rah! '07 come!*
Rah! Rah! Rah! Rah! '07 come!
Rah! Rah! Rah! Rah! '07 come! Rah!"

OFFICERS

P. P. BRINKMAN, *President*
W. A. RUTLEDGE, *Vice-President*
A. W. BUCKINGHAM, *Secretary and Treasurer*
H. H. HENRICKS, *Sergeant-at-Arms*

Integral Representatives

W. A. RUTLEDGE ROBERT HALL

Fulcrum Representatives

P. E. WYLIE G. H. STEUER

List of Members

Anderson, L. C.
Basch, Ralph J.
Beck, C. E.
Beech, Crowell
Brinkman, P. P.
Buckingham, A. W.
Bunge, L. W.
Burke, O. S.
Canman, E. L.
Cook, H. D.
Corboy, W. J.
Crawford, E. H.
Dickerson, J. C.
Eisendrath, D. B.
Ferderber, Leo
Geisler, R. J.
Gonzales, A. L.
Goold, C. R.
Gougler, Judson
Hall, Robert
Hatch, Ralph S.
Henricks, H. H.
Heyn, Louis A.
Hibbard. W. A.
Holmboe, Wilford
Hynes, P. R.
Johnson, H. L.
Johnson, J. B.
Jones, H. W.
Kiley, L. D.
Koestner, F. C.
Llewellyn, Kenneth
McGlashan, R. G.
Macomber, D. M.
Mandler, Emil
Mitchell, G. F.
Newhouse, A. M.
O'Neill, C. S.
Oehne, Walter
Paszkiewiez, J.
Perkins, H. R.
Pettibone, G. D.
Philipsborn, H. F.
Piowaty, William
Ratkowski, E. P.
Ray, Floyd A.
Rutledge, W. A.
Schmidt, Richard
Smith, E. J.
Spring, R. H.
Steuer, G. H.
Vanderkloot, Adrian
Wolfe, A. W.
Wylie, P. E.

History of the Senior Class of the Academy

The Armour Academy Class of 1907 was organized in the early part of 1906 with the assistance of Dean Monin. G. F. Mitchell was elected president and T. S. Davies vice president. Through the efforts of these officers, the class organization was established on a firm basis.

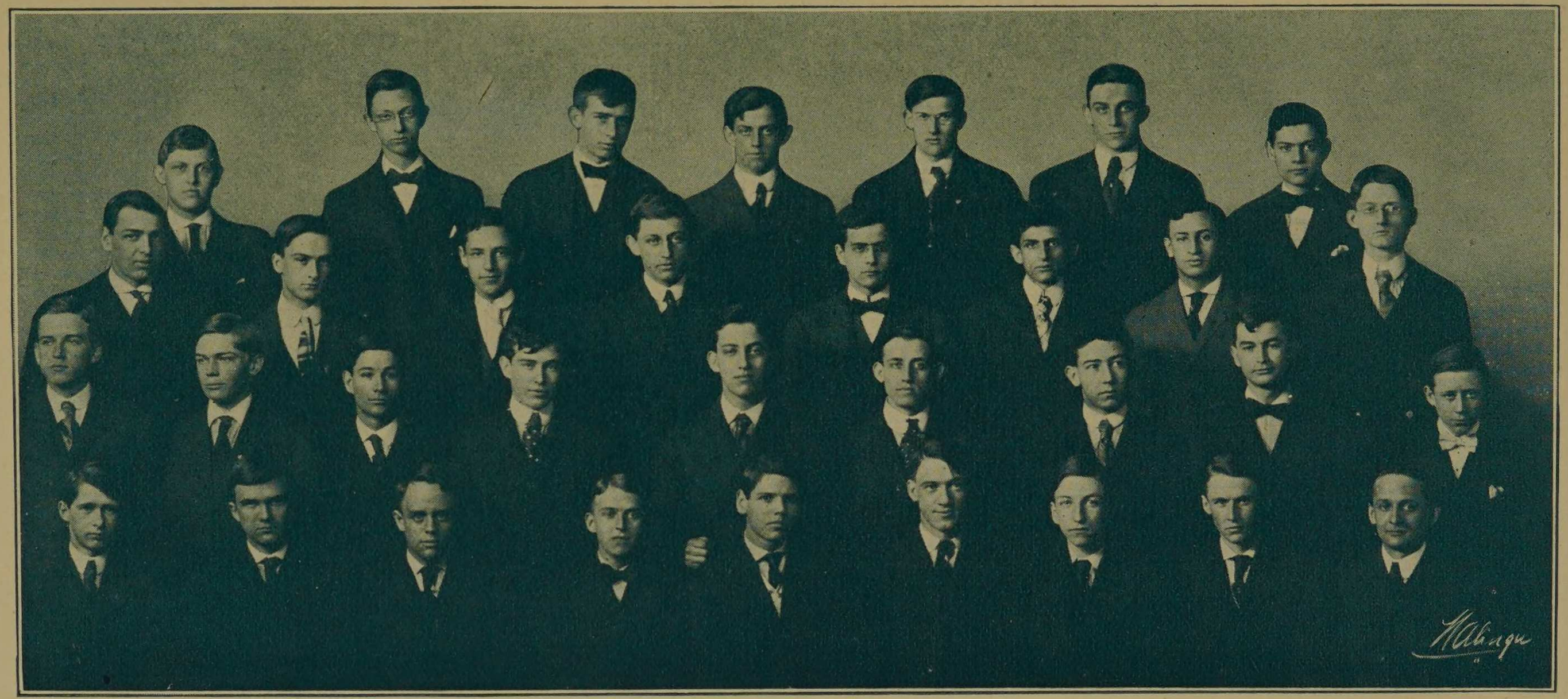
Great earnestness was shown by the class at the beginning of the senior year. At their first meeting Paul P. Brinkman was elected president; W. A. Rutledge, vice-president; and A. W. Buckingham, secretary and treasurer. The choice of these officers was very fortunate as they have shown great ability in promoting all class interests, and have done much to keep alive an enthusiastic class spirit.

Pins of unique design were purchased by the pin committee, composed of W. Piowaty, W. A. Rutledge, and R. J. Geisler, and distributed among the members of the class.

Considerable dissatisfaction was shown when it was announced that the giving of diplomas was to be discontinued. A diploma committee, consisting of G. F. Mitchell, A. W. Buckingham, and Paul Wylie, was appointed and petitions, signed by the members of the class and their parents, were presented to the Council, with the result that a promise was secured that certificates of graduation would be presented to the graduates of this class.

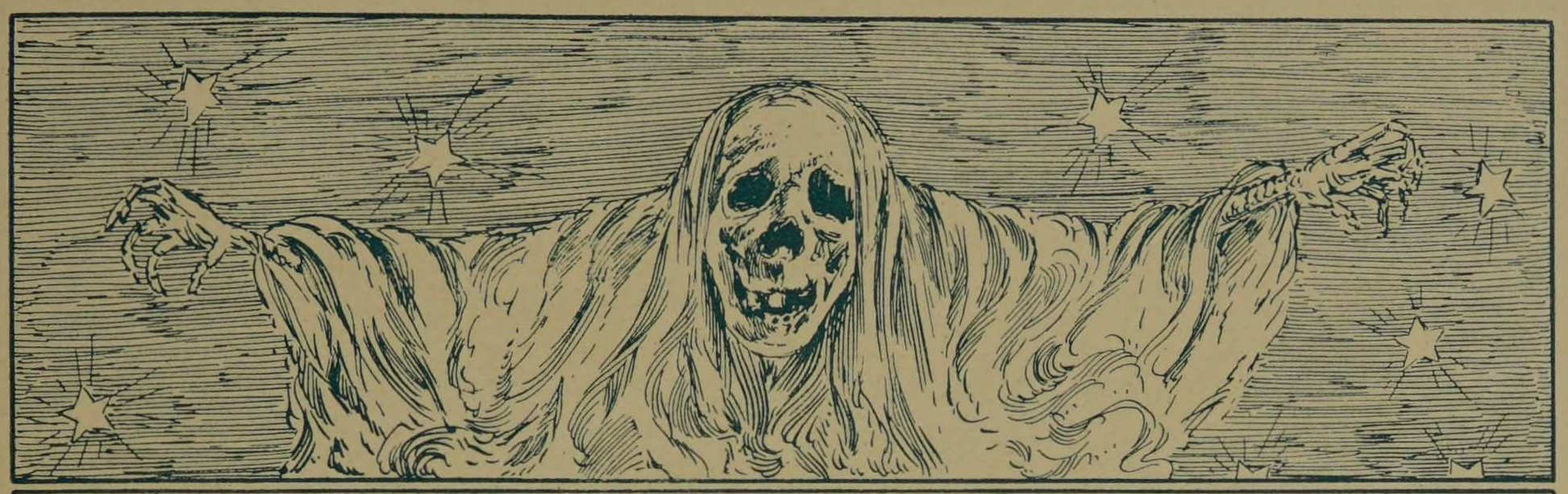
While endeavoring to be faithful to their studies, they have achieved success in the athletic field also, and during the fall term of the present year they won the all-around athletic championship of the Academy, thus securing a handsome banner. Messrs. Vanderkloot, Koestner, and McGlashen, managers of the class track, base ball, and basket ball teams, respectively, aided greatly in securing this banner.

The members of this class have entered into all Academy activities with an earnestness and zeal that will put them in the forefront. Truly, they have reason to be proud of the grand development of their institution and they hope that many of them may live to do her honor. While some of their number may decide to enter other institutions of higher learning, yet they will always recall with pride the fact that their preparatory work was done at the Armour Academy.



THE CLASS OF 1907 — A. S. A.

(SENIORS)



FRATERNITIES



The Greek Letter Fraternities

represented at

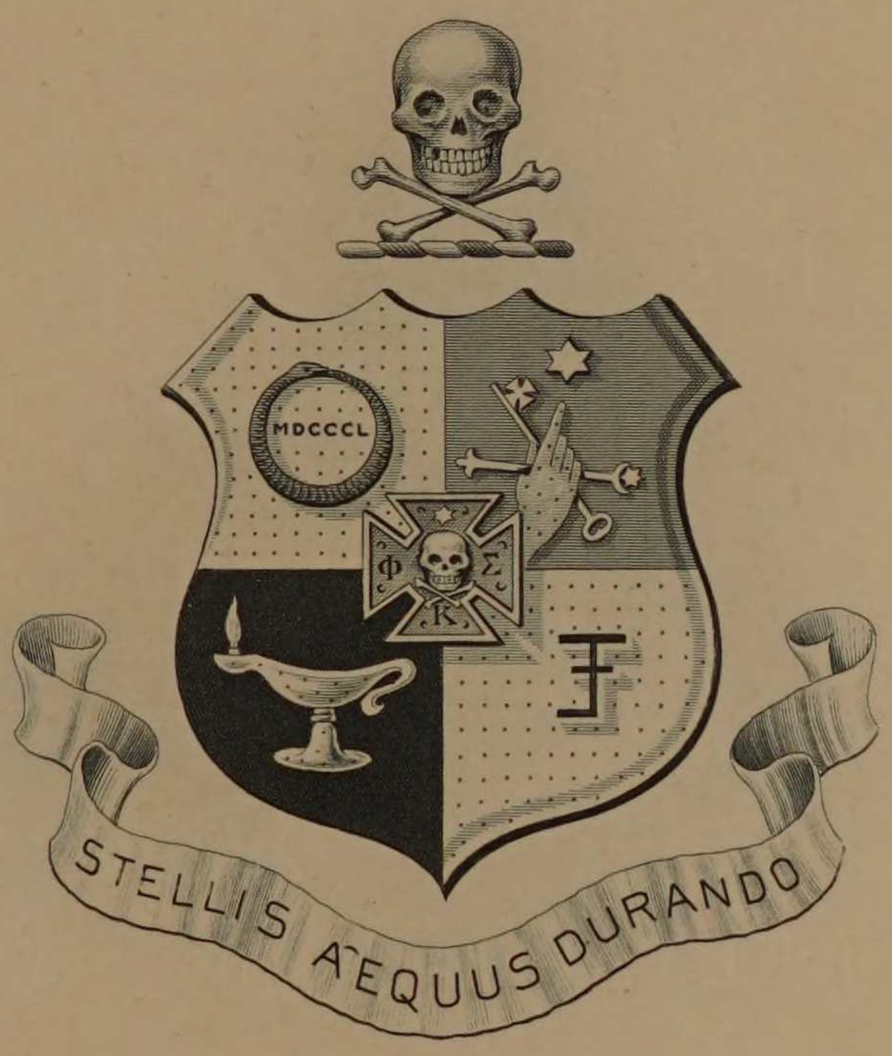
Armour Institute of Technology

in the Order of their Establishment

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

Philadelphia Alumni
Richmond Alumni
Chicago Alumni
New York Alumni
Pittsburg Alumni
Baltimore Alumni
New Orleans Alumni

Phi Kappa Sigma

Alpha Epsilon Chapter

Founded 1898

1907

HOWARD C. DAVIES
ALBERT HAYDEN, JR.
JULIAN HAYDEN
GEORGE M. HEINSEN
GEORGE S. LAUBACH
WILLIAM O. LICHTNER
CLARENCE U. SMITH
JOHN T. WALBRIDGE

1908

AUSTIN CRABBS
CHARLES O. FRARY
JOHN SELBY TOWNSEND
ADAM G. WICKERHAM

1909

SAMUEL J. AURELIUS
JAMES S. HARVEY, JR.
ELMER V. MCKARAHAN
EDWARD D. NELSON
MILTON C. SHEDD
HALLAM C. SMITH
WALTER H. WIARD

1910

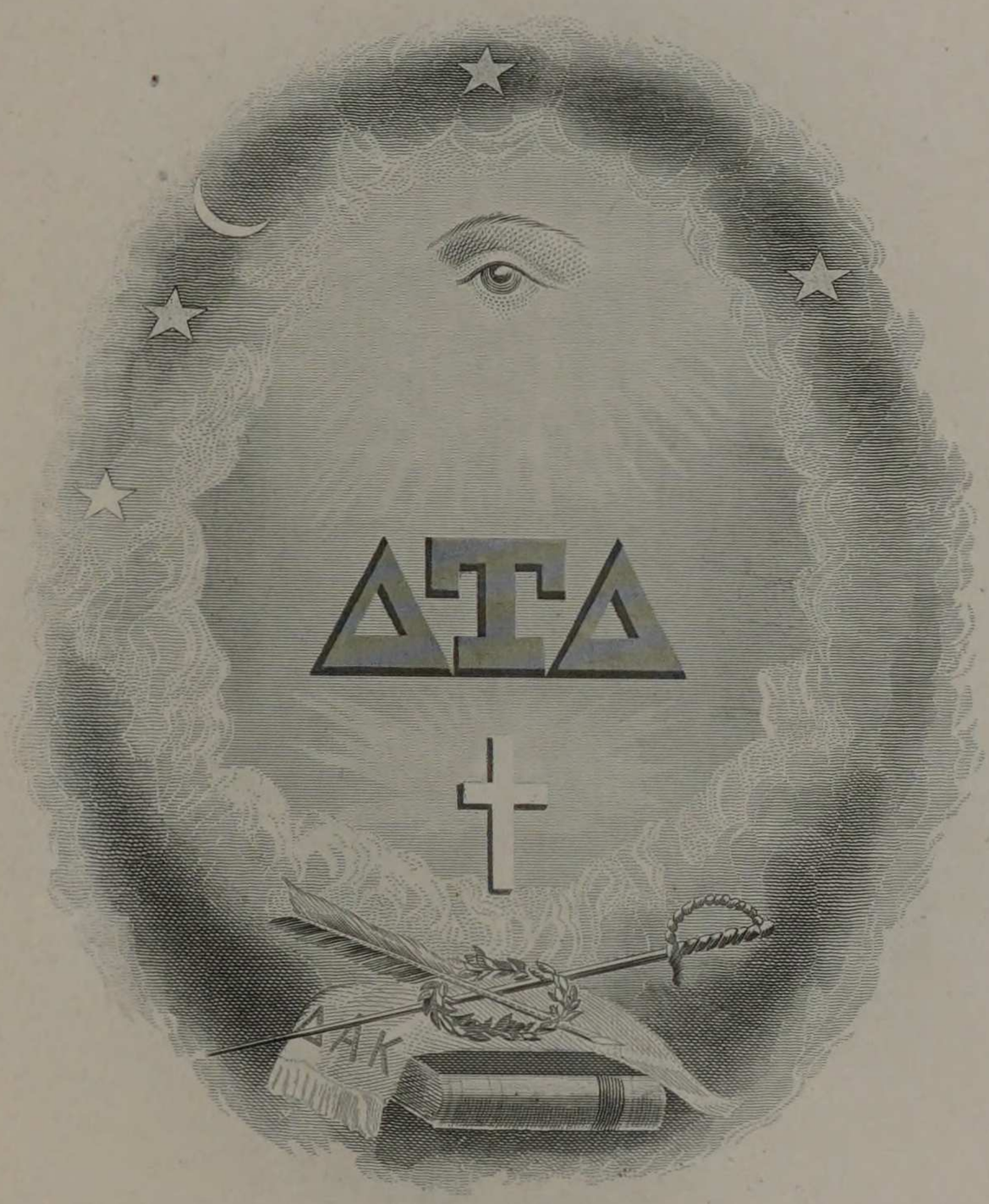
GLENN W. BUCK
HAROLD R. HOUGH
WALTER G. JENS
HARRY J. ROGERS
C. M. WHITMORE
J. B. NOBLE

PHI KAPPA SIGMA—ALPHA EPSILON CHAPTER

1907



Lichtner Davies Whitmore Townsend Aurelius Buck Nelson Shedd
Walbrfdge J. Hayden A. Hayden, Jr. Crabbs C. U. Smith Heinsen Hough
Wickerham Wiard McKarahan Laubach Harvey H. C. Smith Jens Rogers



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

NORTHERN DIVISION.

Beta—1862	Ohio University
Delta—1874	University of Michigan
Epislon—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	Rensselaer Polytechnic Institute
Omega—1897	University of Pennsylvania
Beta Lambda—1889	Lehigh University
Beta Mu—1889	Tufts College
Beta Nu—1889	Massachusetts Institute of Technology
Beta Omicron—1890	Cornell University
Beta Chi—1896	Brown University
Gamma Gamma—1902	Dartmouth College
Gamma Epsilon—1902	Columbia University
Gamma Zeta—1904	Wesleyan University

Delta Tau Delta

Gamma Beta Chapter

Founded May 10th, 1901

E. H. Ellett, Jr., '07

B. Hoffmann, Jr., '07

B. C. Hooper, '07

A. A. Kelkenney, '07

F. H. Robinson, Jr., '07

L. B. Smith, '07

M. Thompson, '07

H. S. Ellington, '08

J. B. Bassett, '09

D. D. Dick, '09

C. G. Davis, '09

A. W. Fisher, '09

H. C. Frisbie, '09

W. E. Haydon, '09

C. M. Lindsay, '09

F. A. Niestadt, '09

W. A. Richards, '09

H. R. Root, '09

S. L. Chesley, '10

E. L. Goodspeed, '10

M. Standish, '10

F. D. Sweet, '10

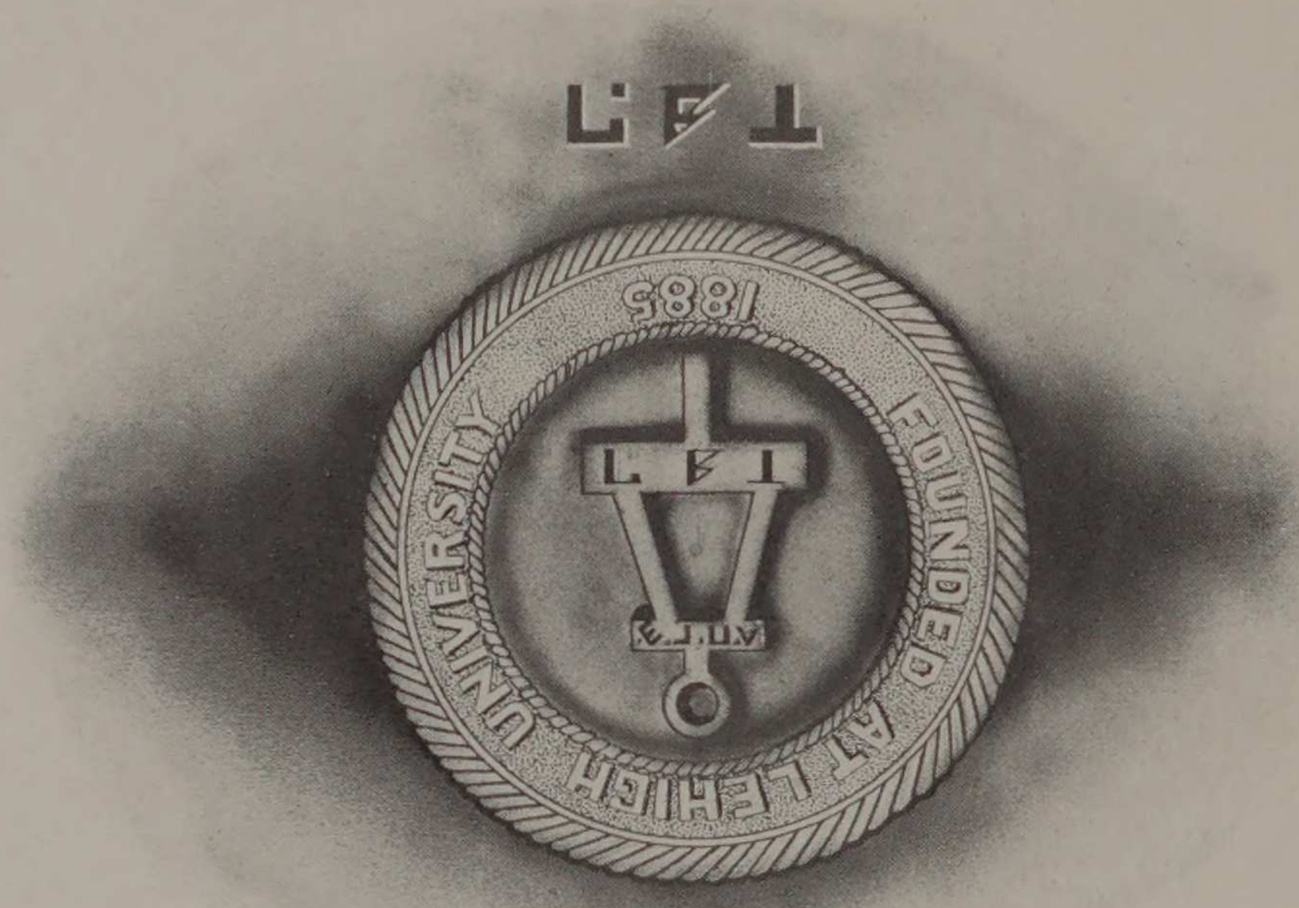
A. R. Meek, '10

DELTA TAU DELTA—GAMMA BETA CHAPTER

1907



Standish Sweet Todd Otter Meek Thompson Niestadt
Robinson Bassett Ellett Hooper Hoffman Kelkenney Ellington
Frisbie Richards Lindsay Dick Hayden Fisher


LIBRARY
1865
FOUNDED AT LEHIGH UNIVERSITY

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

Tau Beta Pi

Beta Chapter of Illinois

Founded April 6th, 1906

Fratres ex Universitate

R. V. Perry, '97
R. H. Rice, '97
A. S. Alschuler, '99
H. S. Powers, '99
Louis Elliott, '99
Dean Harvey, '00
O. A. Rochlitz, '01
F. H. Bernhard, '01
E. H. Freeman, '02
E. S. Libby, '02
F. R. Babcock, '03
W. H. Clausen, '04
E. L. Lundgren, '04
J. C. Peebles, '04
H. A. Dreffein, '05
H. B. Marshall, '05

1906

W. C. Brubaker
Einar Enander
T. S. Ford
E. F. Gillette
E. O. Greifenhagen
Grover Keeth
Charles Klapper
Samuel Klein
H. L. Krum
G. W. Kuhn
Ernst Liebermann
D. P. Moreton
H. J. Sawtell
R. E. Swearingen
A. F. Wanner
Myron B. Reynolds

Honorary Members

H. M. Raymond
H. C. Coffeen

Fratres in Universitate

1907

T. A. Banning
C. G. Dreffein
J. L. Ehretsman
C. S. Heath
C. S. Henning
F. G. Heuchling
I. F. Jackson
S. V. James
H. W. Jones
J. C. Matchett
R. A. Perkins
J. E. Saunders
E. J. Sigwalt
R. F. Steward
F. M. Sturgess
I. F. Turnbull

1908

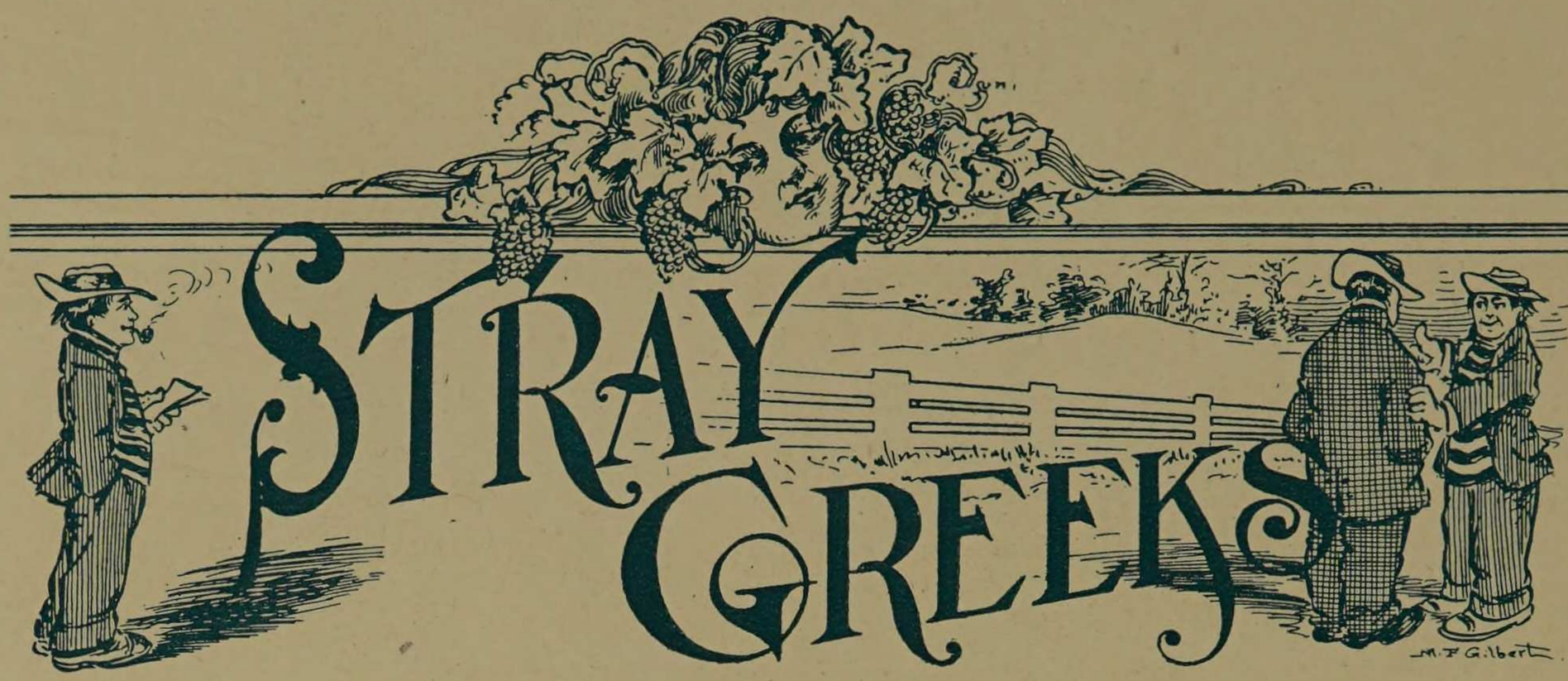
E. W. Adams
E. E. Andrews
G. C. Burge
H. V. Glos
A. R. Johnson
G. R. McEldowney
R. C. Ostergren
L. D. Starin

TAU BETA PI—BETA CHAPTER OF ILLINOIS

1907



Moreton Wells Jones Henning Dreffein Perry Starin Adams
Libby Bernhardt Rice Heath Coffeen Young McEldowney Ostergren
Banning Ehretsman Johnson Glos Sigwalt James Jackson Burge
Freeman Sturgess Saunders Stewart Raymond Matchett Perkins Turnbull Heuchling

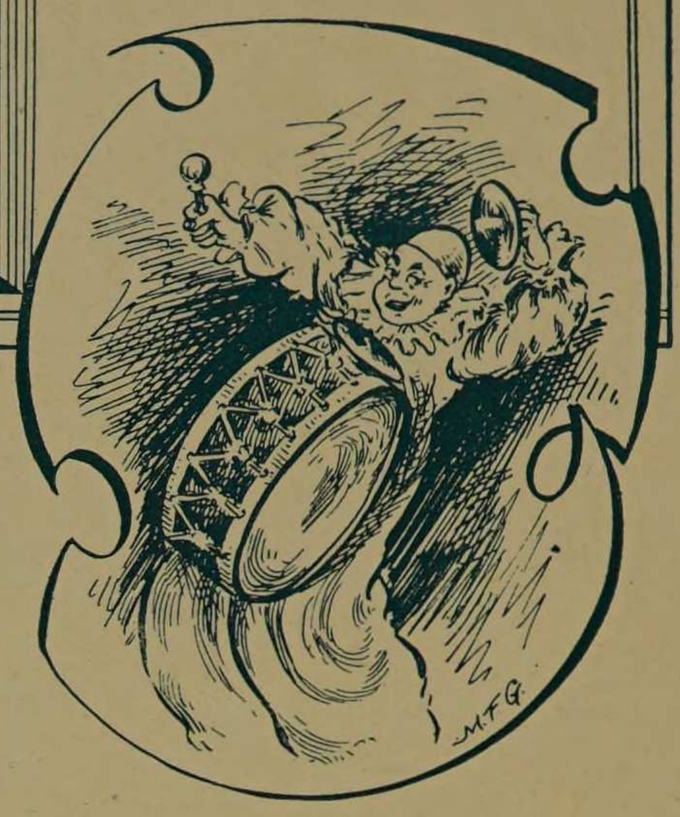


C. R. ALLING, '07 ..... Beta Theta Pi ..... Northwestern University
CHAUNCEY BURR, '09 ..... Delta Kappa Epsilon ..... University of Chicago
TRACY W. SIMPSON, '09 ..... Delta Kappa Epsilon ..... University of Chicago
G. G. PARRY, JR., '08 ..... Kappa Alpha ..... William Jewell College
FRANK PEYTON, '09 ..... Kappa Sigma ..... University of Illinois
ERRETT W. EDMONDS, '10 ..... Phi Delta Theta ..... University of Chicago
SMITH H. LATTA, '08 ..... Phi Delta Theta ..... University of Illinois
WILLIAM E. THOMAS, '09 ..... Phi Delta Theta ..... University of Chicago
M. L. THOMPSON, '08 ..... Phi Delta Theta ..... Iowa State College
J. L. SCHMIDT, '07 ..... Phi Gamma Delta ..... Wabash College and Cornell University

LOCAL SOCIETIES



Radical X



The idea from which the Radical X Club developed was conceived in the minds of certain members of the Class of 1904 while they were still freshmen. According to tradition they were a very jolly bunch and have certainly kept the present members busy to keep up the reputation of the club.

The purpose of this club when it was first organized is the policy to which it still adheres — the promotion of good fellowship in all possible ways, in order that the real college life at Armour may be something to recall in future years with quickening pulse. The members of this organization are chosen in the following manner: Toward the middle of each school year the Sophomore Radics make up a list of freshmen whom they think would make good Radics, and from this list the juniors and seniors who are members of the club elect twelve to membership. These twelve men then get together and choose another, making the total number thirteen. This quota may be maintained throughout the four years at school by electing new members as some of the old ones drop out, and thus the total number of Radics in school is something under fifty-two, which is the maximum. The Radic election at the present time is one of the most important events of the college year.

The club has no constitution and by-laws by which the freedom at meetings would be more or less restricted, but is governed entirely by custom, and if the custom is not just what is wanted, it is changed to suit the majority. No written obligation is taken on becoming a member, but it is understood that all members should strive to further the aims for which the Radics stand to the best of their abilities and in a broad and democratic way, uninfluenced by petty factional interests.

1904 Radics

A. B. Benedict
L. J. Byrne
J. A. Crawford
R. N. Davis
W. H. Dean
M. S. Flinn
D. R. Frary
C. H. Hammond
E. J. Hiller
W. W. Hoops
F. W. Indermille
A. M. Jens
A. H. Lewis
A. C. McArthur
R. E. Williams
W. C. G. Wilson
H. G. Zuckerman

1905 Radics

H. W. Bryant
E. J. Carroll
R. G. Culbertson
F. M. de Beer
T. H. Ellett
F. A. Emmons
A. E. Ferguson
D. E. Hannan
R. B. Harper
W. F. Harvey
C. P. Hatter
C. P. Herrman
W. K. Kretsinger
R. W. Lowenthal
Roy Malcolm
H. B. Marshall
C. M. Raley
W. E. Rupe
B. S. Sackett
A. E. Seyl
R. N. Towl
D. E. Willard
M. H. Wright

1906 Radics

T. S. Allen
G. N. Crawford
E. G. Deming
H. L. Goetz
E. F. Hiller
R. E. Jens
C O. Johnson
L. R. Levings*
L. H. Miller
R. A. Neilson
F. T. Pierce
A. G. Rockwell
H. J. Sawtell
K. R. Slocum
C. W. Stone
L. R. Townsley
R. O. Walker

(*Deceased)

The Senior Radics

In College

H. C. Davies
E. H. Ellett, Jr.
A. Hayden, Jr.
J. Hayden
B. C. Hooper
A. A. Kelkenney
C. E. Kilgore
G. S. Laubach
C. U. Smith
L. B. Smith
J. L. Schmidt
M. Thompson
T. Wachs
J. T. Walbridge

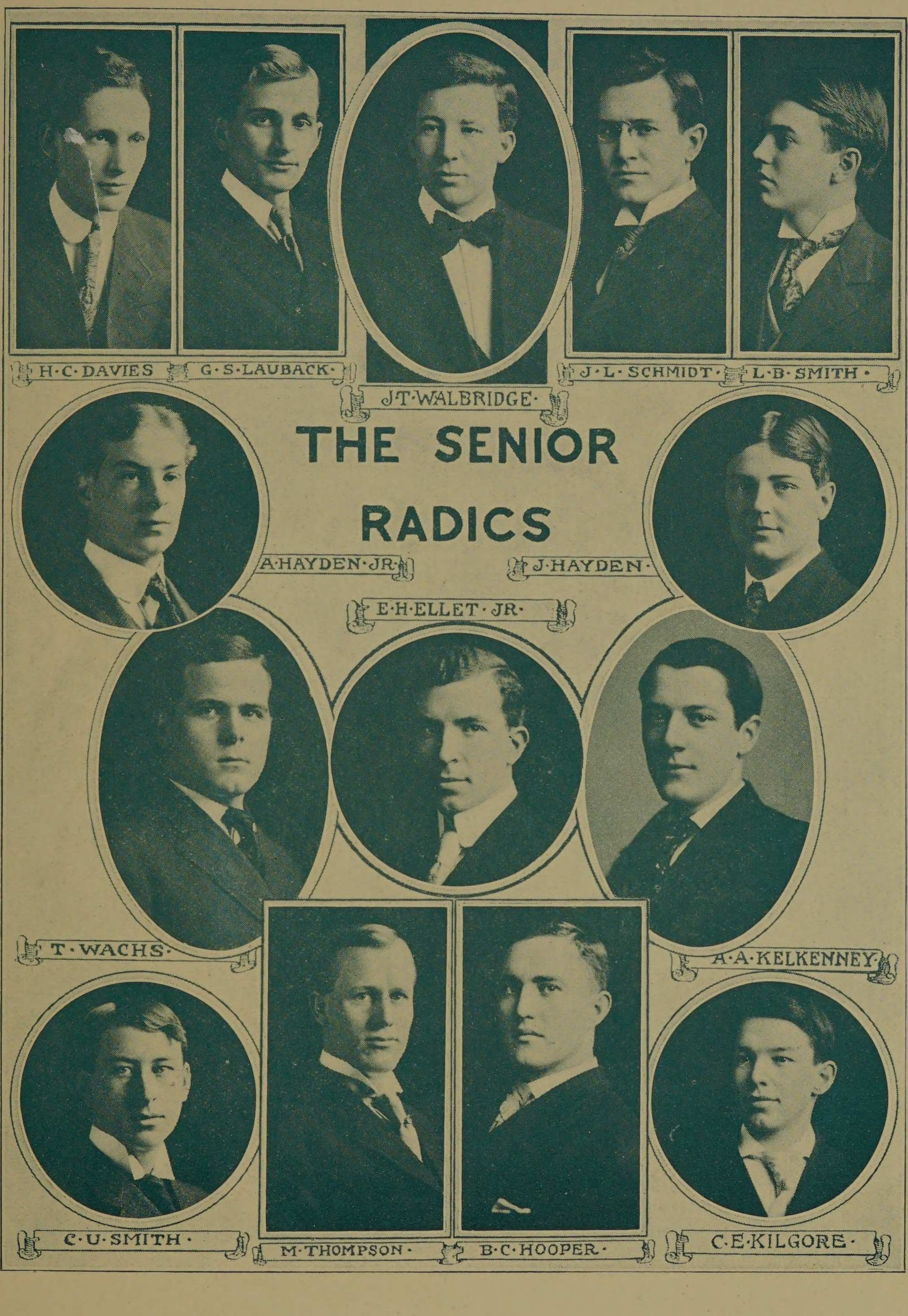
Out of College

L. W. Bangs
G. Flanagan
W. F. Hebard
W. Hewitt
J. N. Nind, Jr.
W. E. Schermerhorn
H. R. Shepherd

The Naught-seven Radics are not dead yet despite the many and frequent calamities to the class. We look back upon our college days as four short but happy years.

We started this year with all of last year's members but one, the illustrious "Weedy" Hebard, scholar and financier. "Hans" Schmidt and "Ted" Ellett were promoted to our ranks from those of the '06 Radics.

Many pleasant evenings have been spent at the homes of the members. Among those to whom we are indebted for these enjoyable times are Hooper, C. U. Smith, Kilgore, Walbridge, Wachs, A. Hayden, Jr., Davies, Ellett, and J. Hayden, whose homes were so kindly turned over to us upon numerous occasions. A banquet was held in December at the Boston Oyster House, which every member attended and pronounced a great success.


H·C·DAVIES
G·S·LAUBACK·
J·T·WALBRIDGE·
J·L·SCHMIDT·
L·B·SMITH·
THE SENIOR
RADICS
A·HAYDEN·JR·
J·HAYDEN·
E·H·ELLET·JR·
T·WACHS·
A·A·KELKENNEY·
C·U·SMITH·
M·THOMPSON·
B·C·HOOPER·
C·E·KILGORE·

The Junior Radics

In College

H. D. Bliss
Austin Crabbs
H. S. Ellington
James Guerin
Ralph Holmboe
S. H. Latta
J. E. Monahan
C. S. Packer
R. W. Sturtevant
J. S. Townsend
A. G. Wickerham

Out of College

T. W. Bannerman
H. C. Brown
G. G. Buhmann
H. J. Farmer
C. O. Frary
H. C. Hansen
Kendrick Harger
J. M. Lane
Irving Odell
H. A. Pegues
J. E. Sawyer, Jr.
T. W. Smith
R. W. Tuthill

The '08 Radics have followed their custom of the preceding two years and have spent several enjoyable evenings. They have been entertained at Frary's, Packer's, and Monahan's, and the theatre party to the "Blue Moon" was very interesting to all concerned.

The new members are Latta, Holmboe, Guerin, Wickerham, and Bliss. All the members have that good Radic spirit, and are always present at all Radic functions. Many stunts are planned for the coming year, and in general, successful times for the Radics are expected.

JUNIOR RADICS
1907



Sturtevant Crabbs Monahan Packer Guerin
Ellington Townsend Holmboe Bliss Wickerham
Latta

The Sophomore Radics

In College

S. J. Aurelius
D. D. Dick
A. M. Ellett
A. W. Fisher
H. C. Frisbie
J. S. Harvey
C. M. Lindsay
E. V. McKarahan
E. F. Miller
E. D. Nelson
F. A. Niestadt
M. C. Shedd
W. H. Wiard

Out of College

W. H. Edwards
W. L. Fry
F. J. Hughes
R. M. Newman
R. M. Overstreet
R. D. Wilder

At the beginning of the year the '09 Radics were found to be short six good fellows, the missing ones being Overstreet, Fry, Edwards, Hughes, Newman, and Wilder. The vacant chairs were not long left that way for it was no stunt at all to find, in the '09 class, the right men to fill them.

The year's festivities were given the proper start by a banquet at Frisbie's. While we dined on the delicious morsels of roast pig, Dick gave us a discourse on the ancient method of serving up the bird. The evening was very enjoyably spent and we will long remember it; also the return trip home the next morning. The banquet given to the freshmen was attended en masse, and a right jolly time we had there too. Soon after came the Radic Smoker with plenty of the alumni and the same old time spirit on hand.

The next thing on the docket was the soph contingent at the "Spring Chicken." The only hitch was Miller's falling in love with the Spanish maiden, but we finally got him away by the special inducement of a feed at King Joy Lo's. Once there he speedily contented himself with some fancy Chinese cooking. While this year is nearly over, we look forward to the next and to the pleasant evenings which we will tell of later.



Lindsay Niestadt Fisher Aurelius Nelson Shedd
Dick Harvey Frisbie Miller Ellett Wiard McKarahan

The Freshman Radics

In College

P. D. Bentley
W. C. Bruce
G. W. Buck
L. B. Bunge
S. L. Chesley
Frank Fuller, Jr.
H. R. Hough
W. G. Jens
C. Kirkpatrick
A. R. Meek
H. J. Moore
L. B. Noble
H. J. Rogers
F. Sweet
C. M. Whitmore

The '10 Radics were taken into the bond of goodfellowship only some eight months since. In consequence the list of great achievements to be credited to the '10s is as yet extremely limited. The fact that their brilliancy has so far been well concealed should be credited to modesty rather than charged to lack of ability. The modesty of the '10 Radics is in fact exceeded by only one thing, their appetites. The initiatory banquet was given at the Boston Oyster House on Feb. 15, '07. In spite of the fact that its members numbered thirteen, that the day was Friday, and that the waiter's number was twenty-three, the freshmen did more than justice to the fine supper served. Although some of the items on the bill of fare brought the unpleasant suggestion that one might be eating part of the foreign aristocracy, the men of '10 demonstrated their absolute lack of fear and ate everything that appeared.

On March 16th the annual Radic Smoker took place, and proved a most enjoyable affair. The old and new members became thoroughly acquainted and several of the '10 men demonstrated their ability in the musical or story-telling lines to the enjoyment of all present.

The Radic dance given at The Lakeside Club on April 12th was another pleasing event, although the inclement weather prohibited a large attendance. The '10 members are acquiring the true Radic enthusiasm, which is the key to future successes in a social way.

FRESHMAN RADICS 1907



Moore Whitmore Buck Fuller
Hough Rogers Jens Bruce Noble



The Armour Civil Engineering Society

Officers

L. B. Young, *President*
G. D. Tompkins, *Vice-President*
A. Hayden, Jr., *Recording Secretary*
E. H. Ellett, Jr., *Treasurer*
G. M. Heinsen, *Corresponding Secretary*
A. E. Phillips, M. Thompson } *Members Board of Direction*

Members

L. H. Badger
F. L. Burkholder
H. K. Copenhaver
C. O. Dowdell
E. H. Ellett, Jr.
J. L. Hackett
A. Hayden, Jr.
J. Hayden
G. M. Heinsen
G. A. Haggander
G. S. Laubach
W. O. Lichtner
J. F. Mathews, Jr.
L. M. Scharle
G. Stanton, Jr.
G. D. Tompkins
M. Thompson
J. T. Walbridge
E. A. Pratt
L. B. Young
C. S. Millard
C. J. Nelson
M. Douthitt
R. L. Stevens
H. S. Ellington
E. Pollak
C. S. Packer
A. C. Taylor
R. W. Sturtevant
W. I. Converse
A. A. Dittmar

Honorary Members

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

THE ARMOUR CIVIL ENGINEERING SOCIETY
1907



Douthitt Thompkins Ellett Laubach J. Hayden
Dittmar Taylor Copenhaver Haggender Scharle Young Heinsen
Sturtevant Millard Nelson Packer Hackett Walbridge Badger Stanton
Stevens Converse Dowdell Pollack A. Hayden Lichtner Mathews
Ellington Armstrong Wells Phillips Persons Burkholder Thompson

The Armour Civil Engineering Society

The Armour Civil Engineering Society was formed in the spring of 1906 by the members of the Class of 1907. The object of the society is the discussion of civil engineering topics, the promotion of general information on engineering subjects, and to form a closer bond between the alumni of the Civil Engineering Department of Armour Institute of Technology. This society was formed to fill a long felt want among the undergraduates of the Civil Engineering Department. At an informal meeting held at the home of Mr. A. Hayden, Jr., a committee was appointed to draw up constitution and by-laws for the society. These were adopted at a meeting held just before the close of the spring term.

The management of the society is left largely in the hands of the Board of Direction. This board is composed of the officers of the society and two other members, one who is also a member of the faculty and the other a student.

There are three kinds of members, active, senior, and honorary. All members of the junior and senior classes in the Civil Engineering Department are eligible to active membership. All alumni of the same are senior members of the society. Honorary members are chosen from men of eminence in the civil engineering profession. The society has at present thirty-one active members, thirty-nine senior members, and five honorary members.

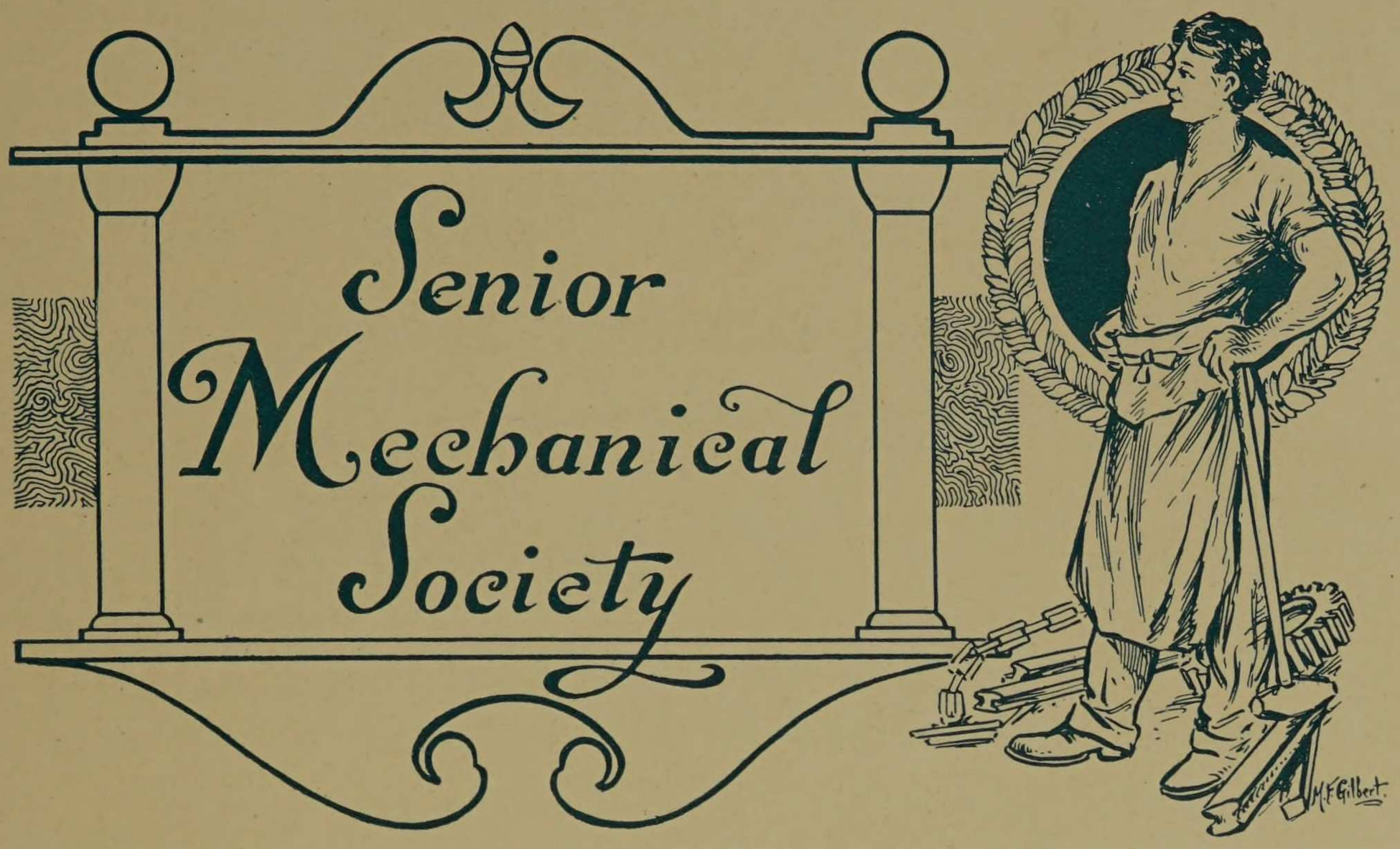
The regular meetings of the society are held the second and fourth Thursdays of every month during the school year. At the first regular meeting of the society Prof. Phillips read a paper on "The Training of an Engineer in addition to his Technical Training." At the other meetings, during the fall term, papers were read as follows:—

Prof. M. B. Wells, "Construction of a Car Ferry Slip at Kewaunee, Wisconsin;" A. Hayden, Jr., "Reservoir Survey in Forest Canon, Colorado;" G. D. Tompkins, "Construction of South-west Land Tunnel;" Ray Crow, "Organization and Management of Field Parties."

During the winter term the following papers were read: L. B. Young, "Pennsylvania Track Elevation in and about Chicago;" V. S. Persons, "Construction of Thebes Bridge, Thebes, Illinois;" E. F. Hiller, "Reinforced Concrete Construction;" J. C. Penn, "Construction of North Avenue Bridge."

On April 24, 1907, the first annual banquet of the society was held in the grill room at Tom Jones'.

At the last regular meeting of the society for this year, Mr. L. H. Badger read a paper on the "Construction of a Blast Furnace for the Lackawanna Steel Co."



President

BLAKE C. HOOPER

Secretary and Treasurer

ALEX. H. BOEHMER

Members

ALEX. H. BOEHMER
F. A. CHAMBERS
H. C. DAVIES
C. G. DREFFEIN
G. B. DUNMORE
J. L. EHRETSMAN
W. FURRY
B. HOFFMAN, JR.
B. C. HOOPER
J. B. WELLS
I. F. JACKSON
S. V. JAMES
C. E. KILGORE
R. A. PERKINS
J. C. MATCHETT
S. C. SINGER
C. U. SMITH
I. J. TURNBULL
T. WACHS

The Senior Mechanical Society

The Senior Mechanical Society is an organization of the senior class in mechanical engineering, and was founded by the Class of 1905. It was originated with a three-fold purpose, first to secure membership in the American Society of Mechanical Engineers, second, to maintain an organization of the students of mechanical engineering at Armour Institute of Technology, and third, to create a closer fellowship among those seniors in the mechanical engineering course.

The membership is divided into two classes, active and associate. The members of the senior mechanical class are eligible to the former, and the members of the junior class who have completed their winter term's work, to the latter. In this manner it is expected to maintain a permanent organization.

The society was seriously handicapped this year by the lack of suitable quarters. Owing to the rapid growth of the institute, no rooms could be spared for the use of the society, and it was compelled to seek outside shelter. Plans were set on foot at the beginning of the year to secure a flat in conjunction with other similar societies in the institute. These plans did not materialize however, due to failure to secure the necessary co-operation.

The society is greatly indebted to Mr. F. U. Smith for his kindness in offering a room in the Armour Mission, where regular meetings were held on the first Tuesday of each month. It is the aim of the society to discuss topics of interest to the members along the lines of mechanical engineering, and especially the power plant work taken up during the senior year.

It is hoped that succeeding classes will soon be established in permanent quarters, where they will be able to support the society in a proper manner and perpetuate its life.

Armour A J K G Branch

Organized February 26, 1904

Officers

PROF. C. E. FREEMAN, *Chairman and Local Secretary*
FRED M. STURGESS, *Vice Chairman*
C. S. HENNING, JR., *Recording Secretary and Treasurer,*

Executive Committee

Senior Members

T. A. BANNING, JR. — J. C. HAIL

Junior Members

E. W. ADAMS — C. R. MOREY

Members

Faculty

H. M. RAYMOND
J. E. SNOW
A. A. RADTKE
W. E. BARROWS
C. E. FREEMAN
R. H. RICE
F. H. BERNHARD
T. E. DOUBT

Seniors

H. R. BADGER
T. A. BANNING, JR.
E. E. CAMPBELL
F. CLARKE
A. L. EUSTICE
M. GILMORE
J. C. HAIL
C. S. HENNING, JR.
A. L. KUBITZ
R. A. MORRISON
J. E. SAUNDERS
E. J. SIGWALT
J. S. SMALLEY
F. W. SLEEZER
M. V. STAGG
F. M. STURGESS
H. M. WHEELER
WALLACE WILLIAMS

Juniors

E. W. ADAMS
H. B. ALDERSON
H. J. BREMERS, JR.
F. C. COLLINS
H. I. FRISBIE
J. H. JACOBSON
A. R. JOHNSTON
C. A. P. JOHNSON
V. E. LAURENCE
C. R. MOREY
T. C. OEHNE, JR.

ARMOUR BRANCH—A. I. E. E.

1907



Oehne Morey Jacobson Johnson Bremers Adams
Collins Clark Gilmore Wheeler Laurence Frisbie Alderson
Morrison Sigwalt Eustice Badger Saunders Stagg Johnston
Banning Sturgess Snow Henning Campbell Hail

Armour Branch
of
The American Institute of Electrical Engineers

The American Institute of Electrical Engineers is the national society of the electrical engineering profession and was formed in 1884, when the electrical industry was in its infancy. In the past two decades it has been instrumental in bringing about the progress which has taken place in electrical applications and has advanced the standing of the profession as a whole.

The membership at present includes consulting engineers, professors of electrical engineering, chief engineers, managers, various officers associated with electric lighting, railway, telephone, telegraph, power, and manufacturing companies, and other persons interested in the advancement of the electrical profession.

The institute continually brings together the diversified achievements of these many workers and discriminates between what is substantial and what is not. The activity is stimulated through papers and discussions which deal with vital problems.

In accordance with the by-laws of the institute, branches have been organized in thirty of the principal electrical centers in the United States and Canada. Several of these branches have been organized in institutions of learning by members of the faculty who are also members of the institute. This affords the student an opportunity of not only becoming familiar with the practical problems which are being handled by the leaders in his future profession, but also of getting the experience of presenting his ideas before an audience. Too much stress cannot be laid on the latter phase of the work as it is the most valuable training in an engineering course.

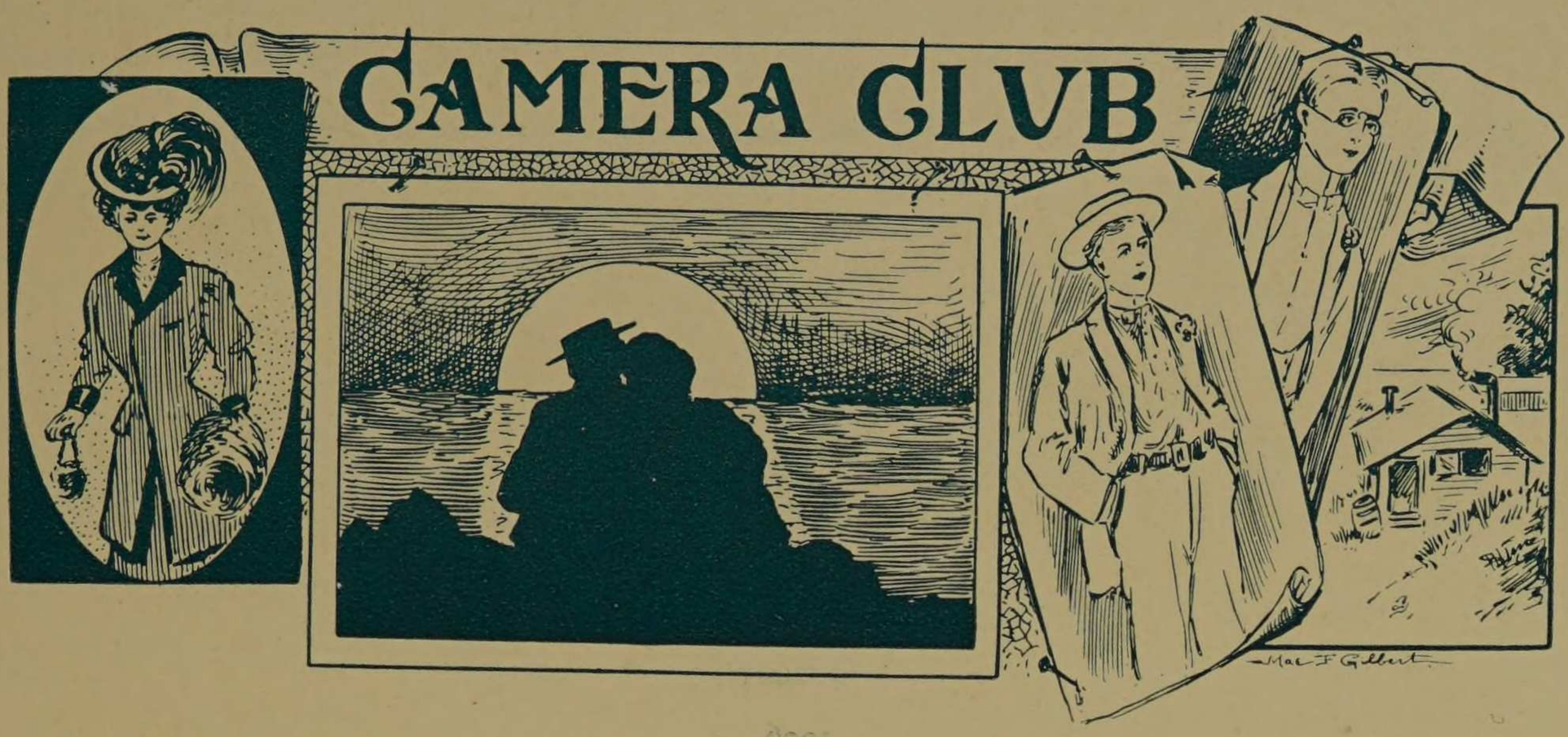
The important work of the local branch is accomplished by the Executive Committee, which consists of the chairman, vice-chairman, two seniors, and two juniors. It is the duty of this committee to pass on all original papers or discussions on the proceedings of the parent body which are to be presented before the society, and to arrange for the meetings.

Membership in the local branch is limited to those members of the faculty who are members of the parent body, and to the seniors and juniors of the electrical department who have the privilege of joining for three consecutive years only. A fee of three dollars per annum is charged for the monthly proceedings of the parent body which contain the papers and discussions of the ten regular meetings in New York. Applications for student membership must be made on special forms, which call for a brief synopsis of the education and experience of the student. These can be obtained at any time from the chairman and local secretary.

Each year the parent body offers a gold medal and certificate to the student who submits the best thesis or record of research on theoretical or applied electricity or magnetism. This is known as the Edison Medal and the thesis or record of research is judged by the Edison Medal Committee, which was organized in 1903 to commemorate the achievements of the great inventor. Only two qualified students from the same school can compete during the same year. Information in regard to the qualifications for the contest can be obtained from the chairman.

The following is the schedule of the meetings of the local branch for the present year:

Insulating Materials, J. S. Smalley; Parallel Operation of D. C. Generators, J. C. Hail; Rating of Street Ry. Motors, T. A. Banning, Jr.; Train Lighting Systems, M. Gilmore; The Operation and Commercial Value of the Nernst Lamp, A. T. Eustice; Discussion of "The Current Transformer," A.I.E.E. Proceedings, E. E. Campbell; Brushes and Brush Holders, E. J. Sigwalt; Some Experiences in Electric Ry. Building, Charles Jones, Chief Engr., Aurora, Elgin & Chicago Electric Ry.; Discussion of "Electric Motor vs. Steam Locomotives," A.I.E.E. Proceedings, M. V. Stagg; Electrification of West Shore Ry., H. R. Badger; Automatic Electric Signals, J. E. Saunders; Multiple Unit Control, C. S. Henning; A.I.E.E. Paper on Lightning Protective Apparatus, H. M. Wheeler; Electrical Development at Niagara Falls, F. M. Sturgess; Telephone Systems; Fred Clarke.



Officers

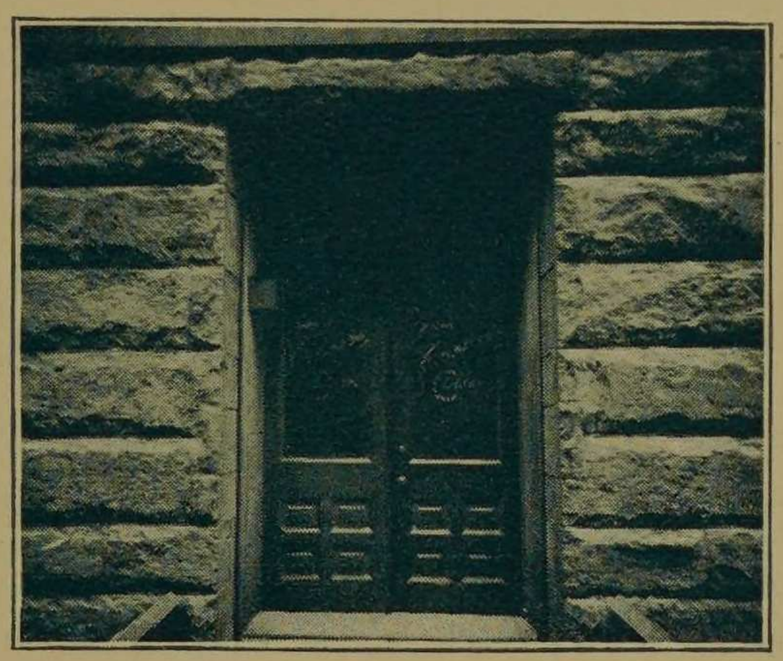
R. F. Sherman, *President*
L. H. Badger, *Vice-President*
M. Douthitt, *Secretary*
L. E. Simmons, *Treasurer*
H. S. Curtis, *Custodian*

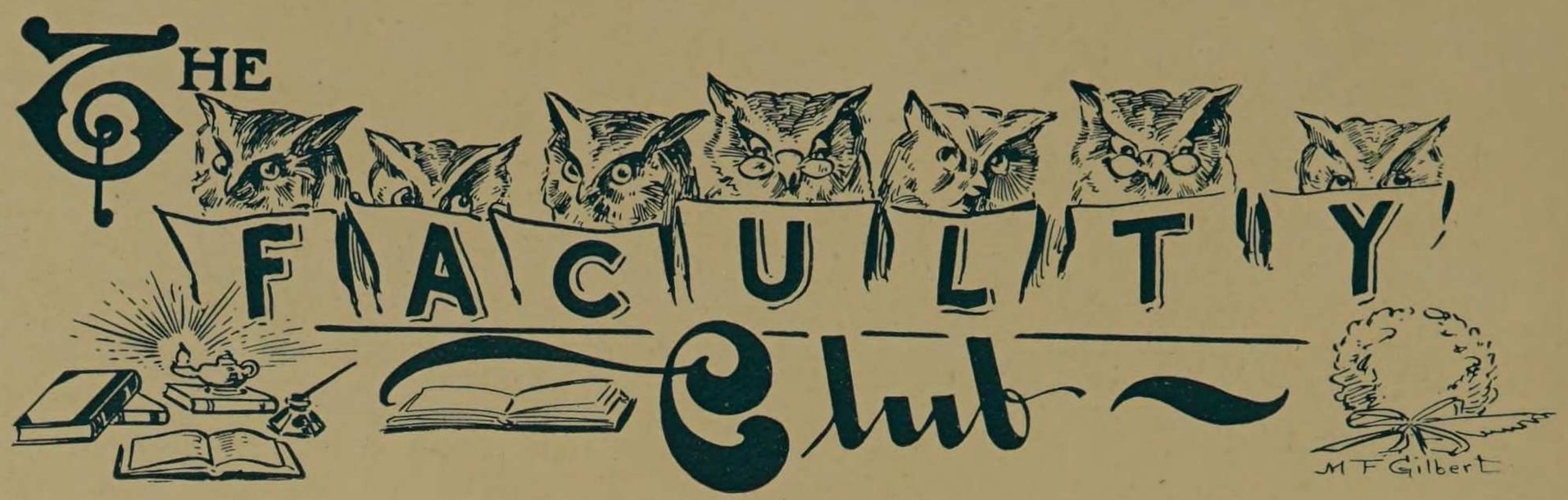
Members

J. W. Aymar
L. H. Badger
H. R. Badger
J. C. Ballagh
G. A. Chambers
H. S. Curtis
M. Douthitt
M. G. Lyons
William Hill
E. W. Jones
V. E. Laurence
J. A. McKenzie
W. Oberfelder
R. F. Sherman
L. E. Simmons
E. Weinberg

Although the club lost nearly half of its members last June by graduation, new men have come in, so that our present membership is up to last year's mark, and with more men coming in all the time we soon hope to have even a greater membership than last year.

Students of the college and academy are eligible for membership, and may join by complying with the rules and regulations of the club. The initiation fee is seventy-five cents and dues are twenty-five cents per month.





Officers

1906

L. C. MONIN, *President*
M. B. WELLS, *Vice-President*
A. A. KNOWLTON, *Secretary*
G. F. DIETZ, *Treasurer*

1907

D. F. CAMPBELL, *President*
G. L. SCHERGER, *Vice-President*
W. W. MANNING, *Secretary*
G. F. DIETZ, *Treasurer*

Members

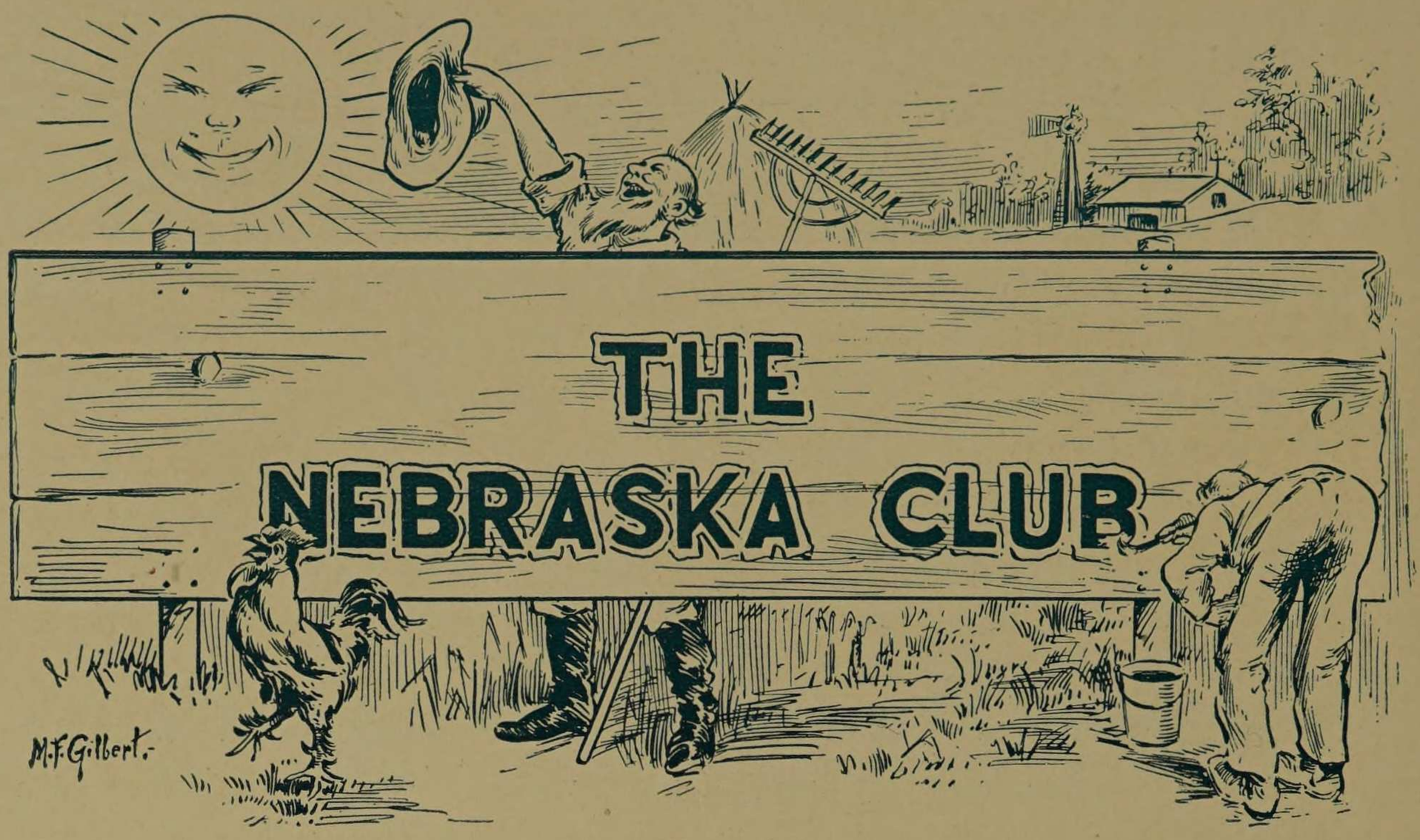
E. D. AGLE
A. H. ANDERSON
J. O. ARMOUR
F. H. BERNHARD
R. BURNHAM
D. F. CAMPBELL
W. A. COLLEDGE
H. C. COFFEEN
G. F. DIETZ
W. F. DIETZSCH
P. DORWEILER
T. E. DOUBT
J. B. FINNEGAN
E. H. FREEMAN
B. B. FREUD
G. F. GEBHARDT
F. W. GUNSAULUS
C. JACOBSON
A. A. KNOWLTON
C. W. LEIGH
E. S. LIBBY
J. E. LIND
J. LITTLE
H. B. MACFARLAND
H. MCCORMACK
W. W. MANNING
L. C. MONIN
H. L. NACHMAN
V. OLDBERG
C. I. PALMER
R. V. PERRY
V. S. PERSONS
H. P. PETERSON
A. E. PHILLIPS
A. A. RADTKE
H. M. RAYMOND
N. C. RIGGS
O. A. ROCHLITZ
G. L. SCHERGER
W. K. SMART
F. U. SMITH
W. G. SMITH
J. E. SNOW
L. A. SOMMER
F. TAYLOR
H. B. THOMAS
W. D. WALKER
M. B. WELLS
G. M. WILCOX

The organization known as The Faculty Club of Armour Institute of Technology is composed of the executive heads, the professors, and the other instructors of the school.

Including the two honorary members, Mr. J. O. Armour and Dr. F. W. Gunsaulus, the club now boasts of a membership of fifty-three. Officers are elected once a year at a regular annual meeting.

The club has elegantly furnished rooms in the Mission, which afford a place of recreation for the members. Included in the equipment are several billiard tables, one of which was just added during the present year and is equal to the best manufactured. These rooms are also used for social events such as smokers, musicals, and receptions for the ladies.

The first Smoker of the year of 1907 was held on February second. Besides the plentiful supply of cigars, lemonade was on tap all evening. Short addresses were given by Deans H. M. Raymond and L. C. Monin, Mr. F. U. Smith and Prof. G. M. Wilcox, followed by some music. A quartette composed of Dr. G. L. Sherger, Associate Prof. C. W. Leigh, Mr. J. B. Finnegan, and Mr. W. G. Smith, accompanied by Dr. Sherger, rendered a few selections. Mr. C. F. Hagenow gave violin solos and Associate Prof. Leigh, vocal solos.

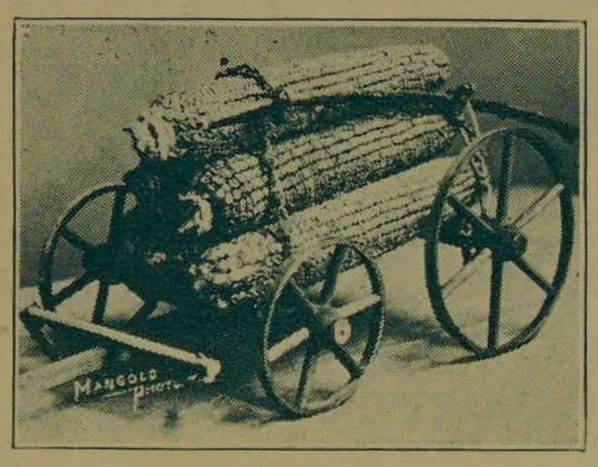


Officers

A. A. KELKENNEY, *President*
GEO. F. WOLTERS, *Vice-President*
E. M. BEATY, *Secretary and Treasurer*

Members

H. R. BADGER ..... Omaha
E. M. BEATY ..... Blair
L. BEXTON ..... Omaha
H. J. BREMERS ..... Fremont
CYRUS BOWMAN ..... Omaha
A. A. KELKENNEY ..... Omaha
C. R. LANGSTAFF ..... Blair
GEO. S. LAUBACH ..... Omaha
J. LAWSON ..... Hastings
C. M. LINDSAY ..... Omaha
C. R. MOREY ..... Hastings
C. J. NELSON ..... Oakland
E. M. PINKERTON ..... Hastings
A. C. RIKER ..... Blair
S. C. SINGER ..... Omaha
M. STANDISH ..... Omaha
V. F. VACEK ..... South Omaha
GEO. F. WOLTERS ..... Omaha

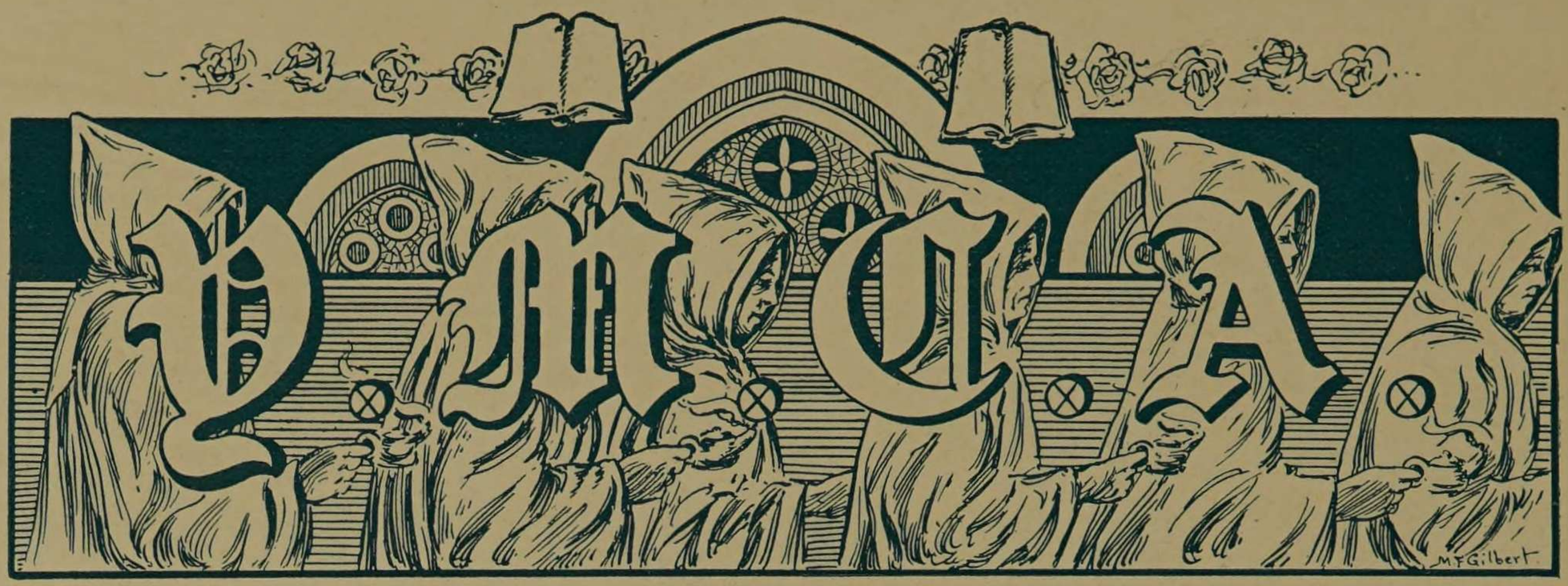


The Nebraska Club of Armour Institute of Technology was organized in February, 1906, for the purpose of promoting the good fellowship of all students from the Antelope State.

The first banquet of the club was held at the Union Restaurant on June 1st, '06, and every one present enjoyed themselves. The guest of the evening, Mr. Wulpi, gave a short talk on the prospects and resources of Nebraska, after which toasts were given by each member. A meeting was held at the close of the banquet, and officers for the coming year were elected.



Nelson Badger Rasmussen Morey Bremers
Lindsay Wolters Kelkenney Beaty Riker
Vacek Pinkerton Langstaff Bexton



Officers

President
EDWIN H. STILLMAN
Vice-President
JOHN TREGAY
Treasurer
C. W. LEIGH
Department Secretary
R. L. REYNOLDS
Recording Secretary
WILLIAM HILL

Board of Managers

G. L. SCHERGER, *Chairman*

F. U. SMITH
W. A. COLLEDGE
C. W. LEIGH
R. H. RICE
T. E. DOUBT
R. V. PERRY
EDWIN H. STILLMAN
R. L. REYNOLDS
WILLIAM HILL

Since the starting of the Young Men's Christian Association at Armour Institute, the organization has been steadily growing in strength and popularity. Aided by the college authorities and various members of the faculty the Y. M. C. A. has been able to provide for the students rooms in which they might meet for religious and social purposes. Every Thursday evening at 5 o'clock a number of the students meet there and study the Bible. This gathering is lead by Mr. Tarney, Chairman of the Bible Class Committee of Illinois.

The Y. M. C. A. is steadily increasing as a factor in the social field. They greet the new class each year with the "Freshman Handshake," at which the students of the college are entertained by college talent. After a small program all formality is dispensed with, and the boys have a chance to meet the other members of the school.

This winter the various members of the association showed interest in checkers and chess and formed a checker and chess club. The following officers were elected:

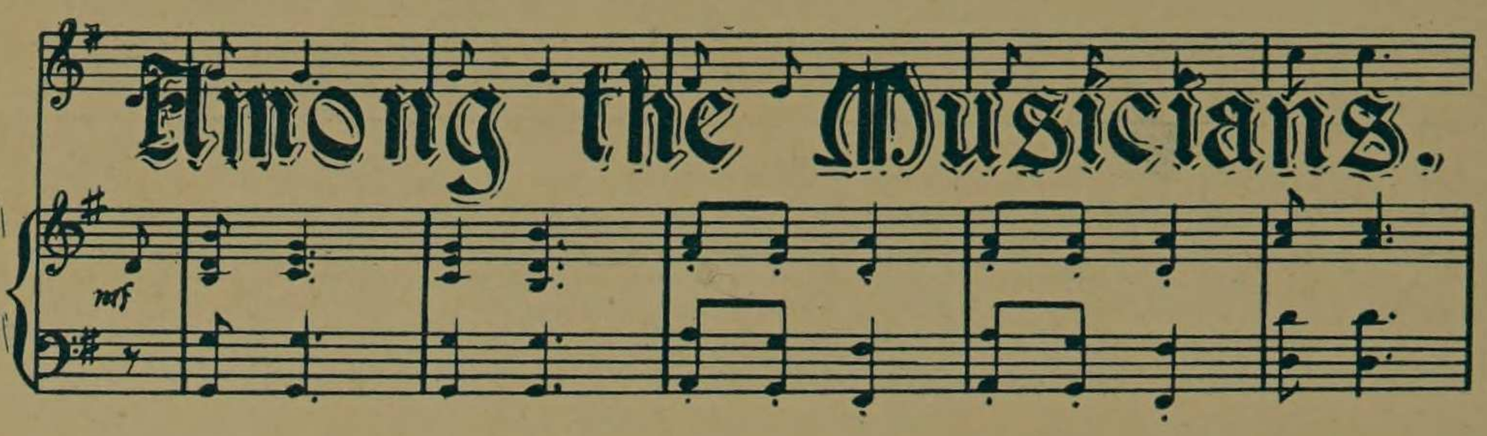
Edwin H. Stillman, President
Frank H. Mayes, Secretary and Treasurer.

BOARD OF MANAGERS ARMOUR BRANCH, Y. M. C. A, 1907



Stillman Scherger | Rice | Reynolds Smith | Leigh | Tregay Colledge | Hill





The Glee and Mandolin Clubs

Officers

EDWIN H. ELLETT, JR., *Manager*
D. D. DICK, *Asst. Manager*
A. A. KELKENNEY, *Leader Glee Club*
J. E. MONAHAN, *Leader Mandolin Club*
DANIEL PROTHEROE, *Director Glee Club*
W. L. HAZEN, *Director Mandolin Club*

The Glee Club

First Tenors	Second Tenors	First Bassos	Second Bassos
M. A. BUEHLER, 1908	C. M. LINDSAY, 1909	A. A. KELKENNEY, 1907	A. A. DITTMAR, 1908
W. D. OTTER, 1910	A. M. ELLET, 1909	C. U. SMITH, 1907	M. P. VORE, 1908
M. C. LAWSON, 1910	E. V. MCKARAHAN, 1909	V. E. LAURENCE, 1908	J. H. JACOBSON, 1908
F. E. PARKINS, 1910	V. E. COLE, 1910	D. D. DICK, 1909	S. J. AURELIUS, 1909
A. L. BERGBOM, 1910		J. S. HARVEY, 1909	J. TREGAY, 1909
		F. J. SCOTT, 1910	D. S. EDWARDS, 1910

The Mandolin Club

First Mandolins	Second Mandolins	Violin	Flute
J. E. MONAHAN, 1908	E. W. HAMILTON, 1909	H.K. COPENHAVER, 1907	E. H. ELLETT, Jr., 1907
F. L. BURKHOLDER, 1907	A. G. HALL, 1909		
C. R. MOREY, 1908	KARL HEIM, 1909	Piano	Drums
H. J. BREMERS, 1908		G. W. WILSNACK, 1908	W. O. LICHTNER, 1907



Laurence Morey — Buehler Jacobson Parkins — Ellet Heim — Aurelius Kelkenney Scott — Ellett — Smith Harvey — Vore McKarahan — Lindsay Burkholder Wilsnack — Dick Monahan

The Glee and Mandolin Clubs

Days were when Armourites crowded each other to make the Tech Glee and Mandolin Clubs, for the material was plentiful, concert engagements were made, and enjoyable trips taken. The merry cadences of our musical organizations were known far and near, bringing fame to the clubs and honor to the name of the school. Referring to "our peerless musical clubs" the 1901 Integral stated, "Without doubt this is the most powerful organization in the whole institute."

Oh! Happy Days! long since fled. When will you return? The next Integral said, "This year on account of lack of material for the mandolin club the clubs have been given up." The 1904 Integral explained their absence in 1903-1904. Then came the bright ray amongst the clouds. We had good clubs in 1904-1905 and they gave good concerts. But only one out-of-town trip was taken. We did not prove a drawing card. At the end of the season each member was out of pocket his deposit and an additional assessment of the same amount, and the clubs had borrowed half as much more which they were unable to repay. The enthusiasm dropped the next year. Strong and continued efforts were made to organize the clubs in the fall but to no avail. Rehearsals were dropped. In March a personal canvas of the school was made by the manager and forty men pledged to come out. Twenty responded to the call for practice and some fifteen more were drawn in later. A very successful concert was given on May 25th, followed by an informal dance, and the debt of the previous year was paid off.

This year the glee club prospects were good. Dr. Gunsaulus arranged for Mr. Protheroe to direct the club and aroused considerable enthusiasm for it. Material for the mandolin club was very hard to find however, and considerable trouble was caused by desertions, two of which were particularly aggravating, one occurring the week of the home concert. This concert was set for April 25th, as the clubs could not be prepared earlier, since but one practice a week could be held by the glee club and the mandolin club encountered varying vicissitudes. A very good program was given, but the support given the clubs by the students was very disappointing.

Another concert, followed by an informal dance, is to be given Friday, June 7th.

The men whose names are given here worked hard for the success of the clubs and there is considerable good material there. Only a few men will be lost to next year's organization and "Here's Hoping" that material and enthusiasm will display themselves early enough to justify the booking of a number of concerts, both in and out of town, and that the clubs will again become "Without doubt — the most powerful organization in the whole institute."

Annual Home Concert

Armour Mission

April 25, 1907

Program

PART I

1. Dainty Dolly . . . . . *Seeboeck*

MANDOLIN CLUB

2. In Merry Mood Are We . . . . . *Apmadoc, '94*

GLEE CLUB

3. Queen of the Earth . . . . . *Pinsuti*

W. D. OTTER, '10

4. Garden Matinee . . . . . *Friml*

MANDOLIN CLUB

5. (*a*) Love's Old Sweet Song . . . . . *Wiske*
   (*b*) My Lady Chlo' . . . . . *Clough-Leighter*

GLEE CLUB

6. Zigeunerweisen (Gipsy Wisdom) . . . . . *Sarasate*

SYDNEY V. JAMES, '07

7. (*a*) My Pretty Maid . . . . . *Neidlinger*
   (*b*) A Catastrophe . . . . . *Sprague*

GLEE CLUB

INTERMISSION

PART II

1. Georgia Sunset . . . . . *Brown*

MANDOLIN CLUB

2. The Trumpeter . . . . . *Dix*

J. R. RICHARDSON, '08

3. (*a*) Mighty Lak' a Rose . . . . . *Nevin*
   (*b*) Students' Song from the "Prince of Pilsen" . . . . . *Luders*

Incidental Solo by Mr. BUEHLER

GLEE CLUB

4. Aloha. . . . . *Luders*

MANDOLIN CLUB

5. Toreador's Song from "The Toreador" . . . . . *Trotere*

Mr. DICK and GLEE CLUB



We three hae paidl'd in the burn
Frae morning sun till dine
But seas between us braid hae roared
Sin' auld lang syne

Officers

WILLIAM A. COLLEDGE President

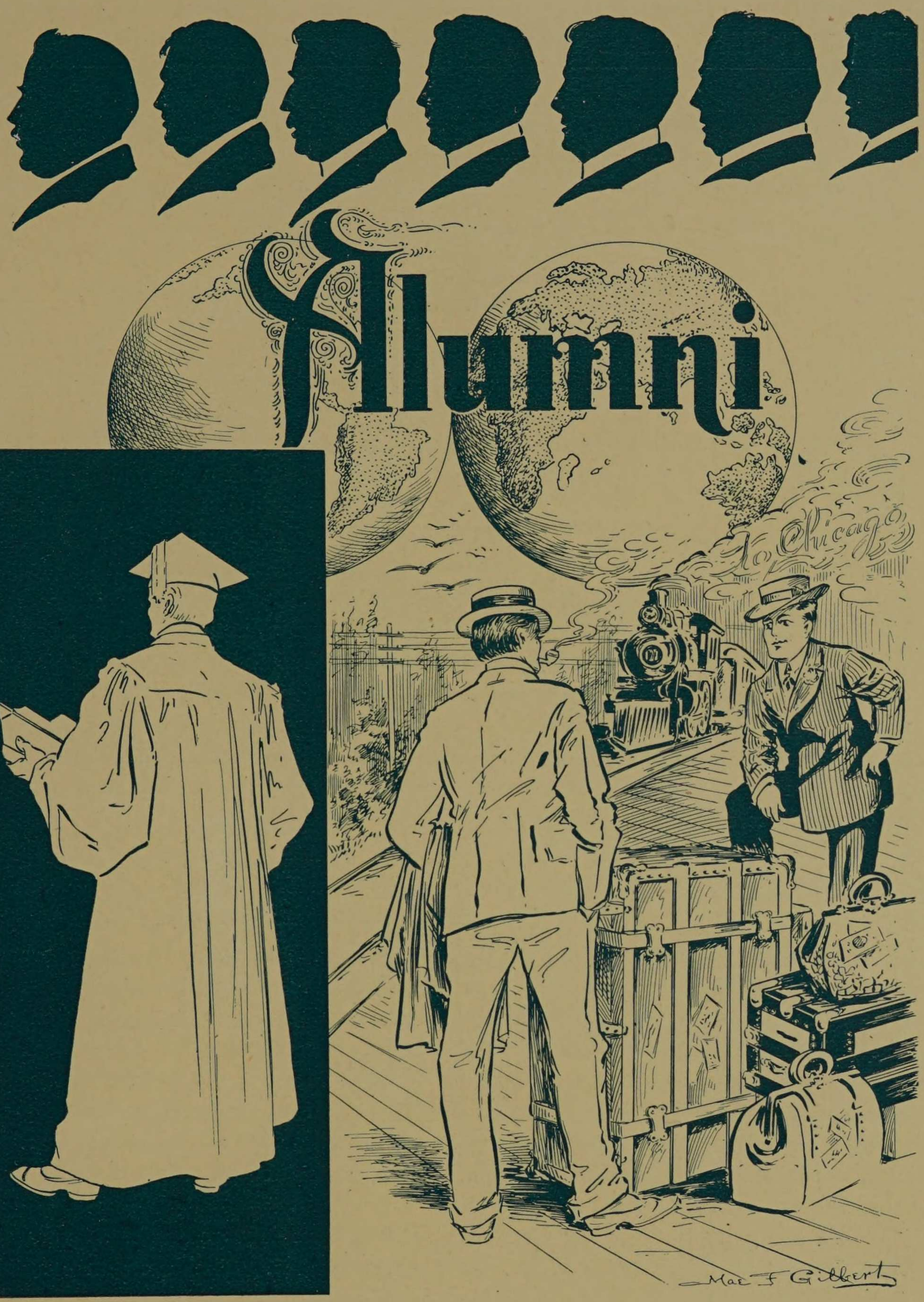
DONALD F. CAMPBELL Vice President

JAMES LITTLE Secy. & Treas.

List of Members

WILLIAM A. COLLEDGE DONALD F. CAMBELL

JAMES LITTLE


Alumni
To Chicago
Mae F Gilbert

The Alumni Association

Officers

R. H. RICE, *President*
W. D. MATTHEWS, *Vice-President*
E. S. LIBBY, *Treasurer*
A. H. ANDERSON, *Corresponding Secretary*
O. A. ROCHLITZ, *Recording Secretary*
R. M. HENDERSON, *Master of Ceremonies*

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.

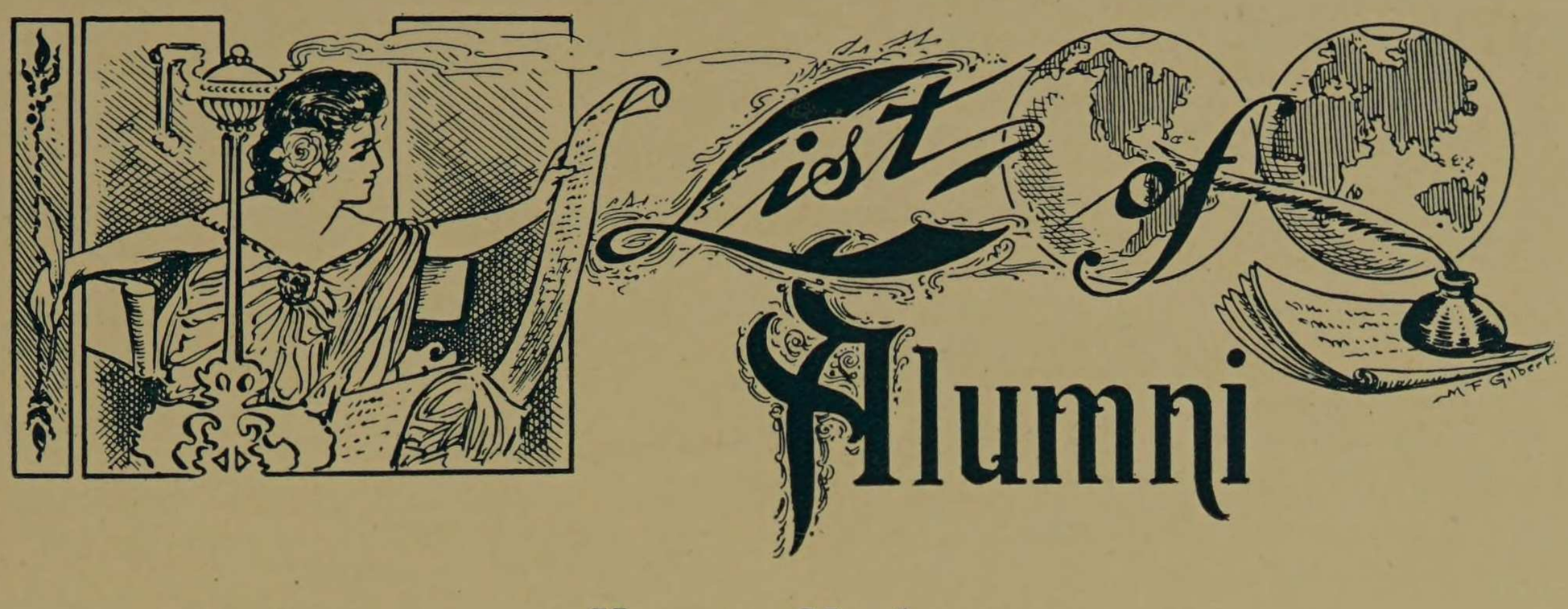
The Alumni Association is composed of three classes, active members, or those who are graduates of the technical college, associate members, or those who have completed at least two years work in the technical college, and honorary members, or those to whom the association sees fit to extend honorary membership. The members of the technical college faculty have also been admitted to associate membership.

A branch organization with a membership of fifteen, has been formed in Pittsburg, the officers of which are:

J. R. SLOAN, President
DEAN HARVEY, Secretary and Treasurer
E. F. NELSON, Master of Ceremonies

Two banquets and business meetings are held each year by the main branch, one in June, and one in December, and the officers are elected annually. At the meeting of December 22nd, 1906, an official pin of the Alumni Association was adopted. A cut of the pin appears on this page. The background is black enamel, the lettering is in gold, and the class of the owner is shown by the numerals thereon. Associate members are distinguished by the absence of the class numeral. At this meeting the Fulcrum was accepted as being the official organ of the association. A department is set aside for alumni notes. The initiation fees of the association and annual dues were each raised to one dollar.

Preceding the last business meeting, addresses were delivered by Dr. Gunsaulus, Deans Monin and Raymond, and Mr. E. V. Starkweather. The attendance at this meeting was 101, which is about one third of the total membership.



Honorary Members

F. W. GUNSAULUS,
President Armour Institute of Technology.
L. C. MONIN,
Dean of the Cultural Studies, Armour Institute of Technology.
H. M. RAYMOND,
Dean of the Engineering Studies, Armour Institute of Technology.
V. C. ALDERSON,
President Colorado School of Mines, Golden, Colorado.
J. E. SNOW,
Associate Professor of Electrical Engineering, Armour Institute of Technology.

Regular Members

NOTE:— The following notations are used to denote the course in which the graduate received his degree.

I. Civil Engineering.
II. Mechanical Engineering.
III. Electrical Engineering.
IV. Chemical Engineering.
V. Architecture.
VI. Fire Protection Engineering

ALLEN, O. T. (I —'06) Engineering Department, Lorain & West Virginia Railway, Elyria, Ohio.

ALLYN, A. J. (III —'06) Underwriters' Laboratory, Chicago, Illinois. Residence, 373 Oakwood Boulevard.

ALSCHULER, A. S. (V — '99; M. S.—'04) Architect, Treat & Alschuler, 1507 Fisher Building. Residence, 567 East 45th Street, Chicago, Illinois.

ANDERSON, A. H. (II —'02; M.E.— '02) Instructor in Mechanical Engineering, Armour Institute of Technology. Residence, 4191 Wayne Avenue, Chicago, Illinois

ARMSTRONG, J. R. (III—'05) Head of Electrical Department, Colorado College. Residence, 1720 Wood Avenue, Colorado Springs, Colorado.

ARNOLD, MARK H. (III —'01) Assistant in Sales Department, Pierson, Roeding & Company, 409 Monadnock Building, San Francisco, California. Residence, 1518 Pearl Street, Alemeda, California.

ASH, H. J. (III —'05) Residence, 221 East 47th Street, Chicago, Illinois.

AUSTIN, LULU CLARISSA (V —'02). Residence, Williamson, New York.

AXEN, C. A. V. (II —'01; M. E. '05) General Foreman, Chicago & Northwestern Railway, Ashland Division. Residence, Kaukauna, Wisconsin.

BABCOCK, F. R. (III —'03) F. R. Babcock & Company, 22 South Canal Street. Residence, 307 East 56th Street, Chicago, Illinois.

BAIRD, M. F. (III —'02) Electrical Engineer, William C. Ross, 506 The Rookery, Chicago. Residence, 899 Walnut Street, Chicago.

BAKER, C. (III —'06) Goodman Manufacturing Company, 48th Place and Halsted Street, Chicago. Residence, 1811 Garfield Boulevard, Chicago.

BAKER, EARL H. (II —'01) Mechanical Department, National Biscuit Company, 120 Michigan Street, Chicago. Residence, 285 Sunnyside Avenue, Chicago.

BANTA, J. S. (II —'03) Chief Draftsman, Works of American Steel & Wire Company. Residence, 115 4th Street, Waukegan, Illinois.

BATTEY, V. E. (III —'03) Deceased.

BEAMER, B. E. (III —'05) Assistant to Chief Engineer, Swift & Company, Kansas City, Missouri. Residence, 1820 Penn Avenue, Kansas City, Missouri.

ALUMNI — Continued

BEATTY, W. H. (III —'99) Sales Engineer, National Brake & Electric Company, 510 First National Bank Building. Residence, Western Springs, Illinois.

BENEDICT, A. B. (III —'04) Electrical Engineer, Acme Flexible Clasp Company, 2836 Archer Avenue, Chicago. Residence, 4904 Washington Avenue, Chicago.

BERNHARD, FRANK H. (III —'01) Instructor in Electrical Engineering, Armour Institute of Technology. Residence, 1534 Fulton Street, Chicago.

BIPPUS, S. E. (III —'99) Residence, Albuquerque, N. M.

BLODGETT, E. E. (III —'98) Special Agent, North British & Mercantile Company. Residence, 1112 East 58th Street, Chicago.

BORST, G. W. (III —'04) Electrical Engineer, New York Office of Erecting Department, Westinghouse Electric & Manufacturing Company. Residence, 245 39th Street, Brooklyn, New York.

BRACKETT, J. C. (III —'05) Erecting Engineer, Kohler Brothers, 1804 Fisher Building, Chicago. Residence, 1522 Belmont Avenue, Chicago.

BRADLEY, L. C. (II —'00; M. E. '05) International Harvester Company, Milwaukee, Wisconsin. Residence, 7017 Normal Avenue, Chicago.

BRASHARES, H. E. (III —'05) Illinois Central Railroad Company, Signal Engineer's Office, Chicago. Residence, 15324 Lexington Avenue, Chicago.

BREMER, H. A. (III —'06) Residence, Paxton, Illinois.

BRIGGS, MARION W. (III —'02) General Manager, Improved Construction Company, Toledo, Ohio. Residence, Delta, Ohio.

BRIMSON, C. T. (I —'03) 328 Sheidley Boulevard, Kansas City, Missouri. Residence, 528 W. 62nd Street, Chicago, Illinois.

BROCK, W. L. (II —'06) With A. M. Herring, 132 West 64th Street, New York City.

BRUBAKER, W. C. (II —'06) Mechanical Draftsman, The Pullman Company. Residence, 6542 Ellis Avenue, Chicago.

BUIE, A. (III —'04) Chicago Erection Department, Westinghouse Electric & Manufacturing Company. Residence, 535 West 60th Street, Chicago.

BURR, A. J. (III —'99) Director of Mechanical Drawing, McKinley High School, St. Louis, Missouri. Residence, St. Charles, Illinois.

BYRNE, L. J. (II —'04) Insurance Survey Department. Residence, 6544 Lafayette Avenue, Chicago.

BYRNE, W. M. (II —'03) Baldwin Locomotive Works, Philadelphia, Pennsylvania. Residence, 6544 Lafayette Avenue, Chicago.

CAMPBELL, MRS. MILDRED W. (I —'00) Location unknown.

CARR, A. L. (II —'06) Addressograph Company, Chicago. Residence, 3009 South Halsted Street, Chicago.

CARROLL, E. J. (III —'05) General Electric Company, Monadnock Block, Chicago. Residence, 4154 Ellis Avenue, Chicago.

CHAPMAN, P. R. (III —'97) Engineering Department, Chicago Edison Company. Residence, 1112 North Clark Street, Chicago.

CHARLES, W. T., PH. B.; (IV —'02). Residence, 448 Elm Street, Chicago.

CHURCH, E. S. (III —'97; M. E.—'03) Superintendent of Machinery, United States Mint, Philadelphia, Pennsylvania.

CLARK, F. C. (III —'05) Draftsman, Chicago Edison Company. Residence, 3348 Armour Avenue, Chicago.

CLAUSEN, H. W. (I —'04) Assistant Engineer, City Engineer's Office, Chicago, Illinois. Residence, 2372 North Hermitage Avenue, Chicago.

CLUCAS, G. W. (II —'06) Salesman, American Steam Pump Company, 231 East Randolph Street, Chicago. Residence, 64 East 43rd Street, Chicago.

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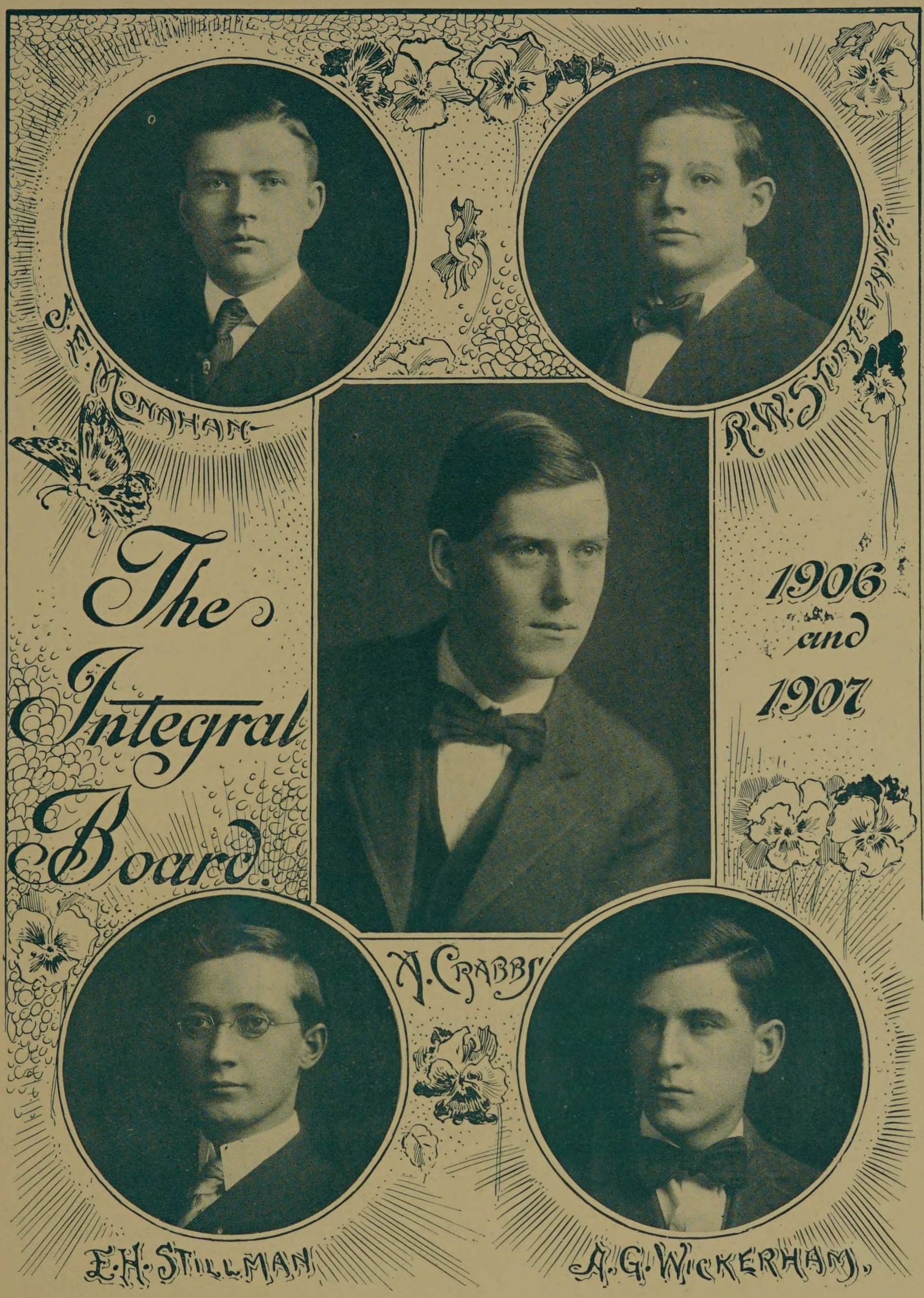
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The Integral Board.
1906 and 1907
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With all due modesty, we feel that it can safely be said that only those who have been members of an Integral Board can really appreciate the tremendousness of the task of publishing this book. That the work of getting out The Integral devolves on those four or five men so unfortunate as to be known as The Integral Board, has been uniformly decried by all previous editors without result, nor can a change in this state of affairs be expected till the very atmosphere at Armour undergoes a change.

The lack both of school spirit among the undergraduates and of loyalty for their alma mater among the alumni, can by no means be accounted for in full, either by the fact that our school is situated in a large city or by the absence of those promoters of chivalry, the girls. The main cause lies deeper than this and is to be found in those influences themselves which surround the school and which make the student indifferent to all but the educational side of his college life. These conditions are not conducive to that liberality and broad-mindedness for which an institution such as ours necessarily stands, for our motto, while intolerant of willful wrong, should call for charity and consideration in mooted questions, that those petty bickerings, which so often leave hard feelings behind, might find no place.

We hope the time may soon come, as it sooner or later surely will, when the student will have more confidence in the faculty, and when the faculty, by showing more confidence in the student, will raise patriotism and the sense of honor to the highest pitch, for it is thru perfect harmony and unity of purpose that the work so nobly conceived can best be carried out, and when this time comes, then indeed will school spirit and loyalty not be wanting.



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The Fulcrum

During the ten years of its existence "The Fulcrum" has had as many editorial policies as it has had editors. Published by the sophomore class, each year sees a new set of men in control. As a result of this arrangement the college has been given one year, a semi-literary production, and the next, a monthly newspaper. Still another staff has given a variety of science, history, fiction, and an effusion of wit, while one enterprising class published a sort of encyclopedia, printing everything from the theory of sound to something like the economic aspect of northeastern Thibet.

Believing that an engineering college should produce at least one publication, scientific in its character, it has been the aim of the staff for 1906-07 to direct its energies principally to this end. Technical papers embracing all phases of engineering have constituted the main and substantial features of volume ten. At the beginning of the year the staff found it impossible to obtain literary articles of merit. It was then decided to develop scientific literature. However, the magazine has contained some very interesting auxilliary features such as the news and athletic section, the attractive cover designs, the page or two of humor, and the editorials, all of which have been based on student opinion.

One of the unusual arrangements in the rules and regulations governing our one magazine here, is that it has to be published by one class. This is a very unwieldy system and each staff has necessarily encountered many difficulties. Under this arrangement no upperclass-man has an active voice in the management of "The Fulcrum." It follows that the members of the two upper classes do not support the magazine as they ought. Again the more mature judgement and experience of the senior or junior is lacking and this has often been the cause of missteps.

With this in mind and guided by the opinion of previous staffs the present editor-in-chief, called, during the year, a meeting of all past and present editors-in-chief and business managers in the college. It was unanimously agreed that "The Fulcrum" for 1907-08, should have a senior as editor-in-chief, a junior for managing editor, a member of any of the three upper classes for business manager, and that the rest of the staff should be drawn from the whole college. It is hoped that under the new arrangement a fixed policy will ensue and that "The Fulcrum" will be more truly representative — a thing impossible under the former restrictive conditions.



H. Ralph Badger, *President* Walter Eyers, *Secretary*

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Harold S. Ellington
Austin Crabbs
John Alfred Jones
James S. Harvey, Jr.

With the change that has been made in the government of The Fulcrum, from that by a class to one representative of the college in its entirety, a body to whom the staff of this paper might be responsible became necessary. This place has been filled heretofore by the sophomore class, but under the new conditions it can best be filled by an organization comprising all active or past executives of the paper. That is, all men who are under its responsibilities, or who have been through them. Again there is a strong need which is constantly growing for a supervising board for all the student publications of the institute. Such a board is needed to keep the different publications in harmony with each other, to bring unity of aim to their endeavors, and to arbitrate such questions as may arise between any of them. This board could best be composed of executives of all such publications. Thus these two functions have been combined in one organization—The Sphinx.

Any man in the college who holds actively a position as an executive head, that is, editor-in-chief, managing editor, business manager, or the equivalent of any of these on any recognized student publication, becomes entitled to membership in this organization. Further by unanimous vote of such entitled members, any man who has served for at least one year on any of the publications, but who has not held an executive position on the same, may be elected to membership, but the number of such elected men can never be in excess of half the number of entitled members.

Thus, in addition to its two functions stated above, The Sphinx becomes at once an honorary society, membership to which can only be had through merit of service on the different recognized student publications.

THE SPHINX

1907



McKarahan Jones Eyers Monahan Stillman Ellington
Crabbs Kelkenney Badger Dick Harvey

The Procrastinator

The second term of school would be over in a week and George Raymond had about three week's work to do in that time. George was always behindhand and, as he sat in his room pouring over his books, he vowed to himself that hereafter he would keep his studies up to date. But even as he made the vow, he knew he wouldn't keep it. Hadn't he said the same thing to himself scores of times before and hadn't he always forgotten it before a week had passed? It was nearly eleven o'clock and he still had half a report to write.

His mother opened the door on her way to bed.

"George, dear, why don't you go to bed and finish that to-morrow? You know you were up late last night and you look tired out."

"Can't do it, mother. I've got to finish writing up this physics experiment. It's got to go in to-morrow."

"Well, get up early and finish it. How much longer will it take?"

"Oh, about three hours, I guess. That is, if I don't get stalled somewhere."

Mrs. Raymond saw it was no use to argue longer and as she closed the door she fervently hoped that some day George would see the folly of his ways.

George was a smart young fellow. No one could deny that. If he had not been smart he never would have reached the junior class of one of the hardest technical schools in the country, nor having reached it, held his own. He was not at the head of his class but he stood far from the foot. George was all right. The fellows and the professors would all tell you that but how he ever kept up in his studies was a mystery to them. He seemed to have so much more time for social duties than they.

In the morning when he came down to breakfast, his eyes were heavy and he yawned at intervals.

"How late did you work, George?" questioned his mother.

"Oh, I don't know,—'bout one, I guess."

"Did you finish the experiment?"

"Sure; that's what I sat up for. I have three more to do this week."

"George," exclaimed his sister Mabel, "when on earth do you think you will do them?"

"Oh, I don't know," answered George indifferently, and the rest of his meal was eaten in silence.

He returned that evening about seven o'clock. Supper was over and the family had settled down to their evening occupations.

"Had your supper, George?" they asked him.

"No, but I haven't time to eat any. I'm in a hurry."

"What are you going to do?" asked his mother.

"There's a dance on. I've got to hurry, too. I'm on the programme committee."

"But George, what about that work you're behind in," queried Mabel.

"It'll get done. Don't you worry about that. I can't let my school work interfere with my regular college course," and off he hurried to dress.

Just after he had left the house there was a ring at the telephone. Mabel answered it.

"Hello, yes, this is Douglas 820. No, he went ten minutes ago. Is that so? I expect he will get them all right. No, I wouldn't worry if I were you. Good-bye."

"Well, of all things," she said as she hung up the receiver, "George should have had the programs at the frat last night and he forgot to get them. He told Allan Douglass he'd be there early to-night. Allan says the boys are crazy because he doesn't show up."

The boys of the fraternity were excited. Some loudly stormed at George's procrastination. Others stood up for him boldly and wanted to know if he didn't usually get there.

When he did arrive and Margaret had gone upstairs with the rest of the girls, they tackled him.

"What's the matter with you Raymond, getting down here so late," they chorused.

"Couldn't help it, boys, Prof. Bates was sore because I didn't pass in more reports this morning and I had to spend nearly an hour, giving him the jolly to make him see my way. Then on the way home, I went into the printers and he hadn't finished the programs; said he couldn't get them finished before eight."

"The deuce," burst in Douglass, "didn't you get 'em, Raymond?"

"Sure, I did," he answered, as he pulled them out of his pocket. "But I had to dig for them. Took off my coat and helped him finish them."

"Hurrah for Raymond," one of the boys shouted, and the girls coming down the stairs, wanted to know what it was all about.

Peter Carberry, the funny man of the crowd, jumped upon a chair and began; "Ladies and gentlemen, we have in our midst a great and wonderful man; a man, who not finding certain program sprinted, rushes to the rescue and prints them himself. Behold our famous printer —." He looked around the group but Raymond had disappeared and he realized the laugh was on himself.

Margeret Delano was perfectly beautiful at the dance. George could have told you so if he had wanted to. She was slender and willowy; her every movement was grace itself. Her wonderful dark hair was piled high on her head, and when her eyes met George's, he thought of the gentle deer in the forest. She wore a white dress, with pink bows in her hair, at her waist, and on her arms. George loved her more than ever to-night and he thought, as they sat on the balcony, that he would write and tell her so to-morrow. Something asked him, "why not to-night," but he paid no heed to that something. To-morrow would do just as well; he didn't want to tell her to-night.

The next day he wrote the letter but tore it up. Then school duties and that back work forced him to put her out of his mind. He worked almost night and day, but by the end of the week the reports were finished, exams were written, and he felt confident that he had got through in everything.

"Now that I have this business off my mind, I will write M—." So he seated himself at his desk and began:

My Dear Margaret: I wanted to tell you a week ago that I loved you but —"

That wouldn't do at all. He couldn't tell her that he had to get his reports in before he wrote to her. So he tore it up and began again.

My Dear Margaret:

Ever since I have known you I have loved you. You are always in my thoughts. I cannot do anything without you. I want you for my very own. I want you to tell me that you love me. If you can tell me this, let me come to you to-morrow. Write me yes or no, and I will understand. Yours forever,

GEORGE RAYMOND.

He read it through, folded it, put it in the envelope, and went out to mail it.

As he turned the corner, he met Alan Douglass. Alan looked mightily pleased about something.

"Wish me joy, old boy," he exclaimed, slapping George on the back, "I won the dearest girl in the world to-day. I have written to her three times since the dance and to-day she sent for me and gave me the answer I have been begging for. If you want anything, George, you've got to go right after it."

George interrupted him with "I suppose you and Bess are as happy as turtle-doves now."

"Bess!" exclaimed Alan, "Great Scott! you are way off. She and I broke off the night of the dance. As soon as I saw Margaret Delano, it was all up with me. I couldn't wait until I made her promise it should not be later than June. Just as soon as I graduate, we are going to take our little journey. Oh, I tell you, George, I'm as gay as a lark."

He didn't notice that his companion looked dull and downtrodden, but went down the street, whistling merrily.

George stood still, took the letter out of his pocket, tore it into small bits, and dropped them on the ground. Then he turned resolutely toward home, muttering under his breath, "Darn it, I bet I won't let three experiments accumulate again."

A month later Mrs. Raymond remarked to his sisters, "I wonder what is the matter with George. He has kept his lessons up-to-date." But they never found the reason for it even though they all questioned him. He knew the reason for he had had a practical illustration of the sins of procrastination — an illustration that had touched his heart, and his head had resolved never again to postpone important matters.

June came but there was no wedding to interest the fraternity boys. Alan has seen another face and he had broken his engagement with Margaret as easily as though the ties had been daisy chains. George was wild when he heard the news and tackled Alan on the last day of school.

"What's this I hear about you and Margaret, Alan? You ought to be shot for playing with the girls the way you do. I thought vou meant what you said this time. What has she done? Nothing but just trusted you through thick and thin. What's the matter with you, anyway?"

"Oh, George, you don't know Helen. She's great! Margaret can't hold a candle to —."

"Chuck that, Douglass," George broke in. "You've done enough without comparing those two girls before me."

"In love with Margaret, yourself?" Alan queried. "Go in and win." But George had suddenly taken his departure.

That night he rang the doorbell and asked for Miss Delano. She came out with a smile on her face but it was such a sad little smile that George longed to take her in his arms and comfort her. They talked on many subjects, while George used his utmost tact to guide their conversation into safe channels and at last he rose to go.

"Come again, won't you, George," she said. "I've had such a pleasant evening. I began to think that you had forgotten me. You stayed away so long." George promised and walked home on air.

The intimacy between them returned in time but George wanted to be quite certain that she had no thoughts for Alan. So one evening he said to her, "I had a letter from Alan Douglass to-day."

"I don't want to hear anything about him, please. I don't ever want to hear anything about him. I will ask you to never mention his name again in my presence. I hate him and his name." George was satisfied there could be no mistake in her tone or expression.

"Could you love me," he began. "I am not handsome but I would love you always. I have loved you for a long time. It was for that reason I did not come to see you after your — after I knew—," he stammered, and didn't know quite how to finish the sentence. He caught her hand and said hoarsely, "After I knew I loved you and couldn't have you. Could you love me, Margaret?"

"I don't know," she answered softly. "How do I know? How can I tell you are not the same as —? You see my faith is shaken. You all seem the same to me. Yet you have always been good to me — and not coming to see me when you say you loved me then — that ought to be proof." She spoke hesitatingly as if she did not know what to say or how to say it. "But is it? You have asked too soon, George. You should have waited. I can't tell, you know. Wait awhile."

"Dearest, I would wait forever if I knew you would come to me at last. But don't make me wait too long."

"I will try not to. But you will please not come again until I send for you." As he was saying good night, he begged her for a kiss. "No, but there's my hand."

For two weeks he lived on hope. He had not seen her nor heard from her. Then one day he broke the seal of a letter and read hastily, "Come to-night, Margaret."

All for a Co-ed

Graham Randall was very thoughtful that morning in early fall as he walked toward the institute. He was then at the beginning of his junior year at college and his finances were exhausted. Old Judge Randall, his father, had died two years before, leaving Graham barely enough money with which to complete his education. Now, at the outset of his third year his widowed mother had been taken very ill, and Graham cheerfully gave up the balance of his school money that she might go to a hospital where she could receive the expert treatment that she needed. He told her as he did so that he could easily make his expenses at school by working on the outside. "Why," he said, "lots of other fellows do it and so can I."

Still reflecting on this problem, he turned west on 33d street. He knew that it would not be "easy" though he had persuaded his mother that it would be, thinking thus to cheer her.

As he walked along he came to the "L" station and joined the throng that had just left there on their way to school. He crossed Dearborn Street and was conscious of the familiar outlines of the "flats" passing on his left, while across the street were the same old frame shanties; yet his mind was centered in himself. At the corner of Armour Avenue, he was aroused from his thoughtful mood by a cheery voice behind him, saying, "Good morning, Graham." He turned to look into the smiling face of Truth Huntington, as she and two other coeds came up to him.

"Why so thoughtful this bright morning," Truth queried. Graham hesitated a moment, then remarked that he did not think that he was more thoughtful than usual, and after exchanging greetings with the other girls, he went into the main building, while the girls went into the basement of the Mission for their first hour class in biology.

At the end of his eight-thirty lecture in economics, Graham went into the library. There he sat in the large leather settee in the southeast corner, thinking what might be best for him to do. In his hands he held an open book though his eyes were not upon it. He gazed out of the window where across Thirty-third Street he could see the new machinery Hall nearing completion. The warm sunshine of a perfect Indian summer shone on everything and the world seemed at peace, yet in his heart, Graham Randall was worried and sad. He was recalled from his reveries by the ringing of a bell and he turned his gaze back to the room where students were filing in and out. It was with a listless eye that he watched them, until a number of girls came in together, among whom was the same girl who had greeted him earlier in the morning. Their eyes met and she smiled sympathetically. "I wonder if she cares," said Graham inwardly. Then, as if he had received his answer, as she sat down near him, he opened the book in front of him and for two hours buried himself in study, for he knew that *she* was watching.

CHAPTER II.

The following week Graham was fortunate enough to obtain a position with a real estate firm near school. Here his work consisted of filing, a little bookkeeping, and miscellaneous clerical duties. It was of such a nature that he could do it at his leisure time

as long as he kept it up to date. His pay, while not great, enabled him to live and he was thankful for it; besides, he had the promise of a raise at the first of the year, if his work was satisfactory. That evening when he went over to the hospital to spend a few minutes with his mother, he told her of his position and her words of affection were so cheering that he went to work at night with high hopes.

Since the opening of the term he had been playing right end on the Tech football team and he was now afraid that he would have to give it up, yet he felt that the exercise was essential to his well-being, especially since he had so much confining mental work. He was such a strong part of the team that the fellows and coach would not hear to his stopping, so he decided to stick it out to the end of the season. This meant more hard work but Graham gave it freely, only hoping the while that *she really cared.*

November drew towards an end and the Thanksgiving game with Lewis Institute became the principal topic of conversation. Up to that time both Armour and Lewis had won a number of good games and the struggle between the two had brought out unlimited enthusiasm in both schools. The old Armour spirit came to the front and was at its height when the big day arrived. Six tallyhos, profusely decorated with yellow and black, carried part of the Armour men and co-eds, all gay and laughing, from the school to the grounds. From the window of the old football locker-room a tall, manly fellow, clad in moleskin, watched the cheery crowd as the first of the party drove away from the school where they had assembled. He then turned away with a half-murmured, "If she only cared," and, with the rest of the team, boarded the last of the tallyhos.

The ground was in excellent condition for a good game; the grand-stand and sidelines were crowded with the waving yellow and black of Armour and the fluttering blue and white of Lewis. There were co-eds in force from both schools, Lewis having brought tallyhos for the fair ones as well.

To the observers the setting was very pretty and the evenly fought game most exciting. To Graham Randall things were different. Of late he had been having a hard struggle with the facts of life. Truth Huntington had with her open, generous nature won a way into his innermost thoughts. He had worked harder at his studies because of her influence and now in this struggle which meant so much to his school, he felt that same influence. No one ever played with more concentrated interest than did Graham Randall in that game. His great defensive work on the right end of the line kept Armour's opponents from scoring three times; yet neither could the yellow and black score.

The enthusiasm and excitement were at fever heat as the second half drew to a close with no score for either side. Finally by steady plunging Armour had gotten the ball within thirty yards of the goal and the signal was given for Graham to take the ball and skirt left end. The momentary, intense silence following the snap of the ball was broken by the hoarse cheers of the Lewis rooters as their little quarter-back tripped Randall ten yards from the line. Graham fell heavily on his left arm crushing it terribly, but as he fell he caught a flash of *her* face in the grand-stand and he knew then that *she* cared. On his feet in an instant, he realized that all of his interference as well as the members of the opposing team were on the left side of the line — all save the plucky Lewis quarter-back, who lay dazed where he had missed his tackle. It was a lightning survey of the field that decided Graham not to try again by running, but to attempt a score by kicking. He fell back a

yard, the ball balanced in his right hand, and made a drop kick. It was so sudden and unexpected that all the Lewis team could do was to stand still and watch the ball sail for the goal. It passed straight between the posts and as it touched the ground Graham sank with it — the din of "Arch, Mech —" thundering in his ears;— he had won the game because *she* cared.

CHAPTER III.

The days shortened and winter was at hand. Graham's arm was mending but slowly. His mother was hardly improving, though now she had another daily caller, a certain Armour co-ed who came to cheer her each morning.

Graham could see that while he might be able to complete that year at school, his finances were dwindling so rapidly that by another fall he could not support his mother and at the same time pay his tuition. The firm for whom he worked increased his salary at the first of the year as promised, and yet that alone would not help him for the coming year. One night while walking home with Truth he told her that it had been his father's dying wish that he graduate from college and he explained to her how doubtful that seemed then.

"Well, Graham," she said, "why don't you try for a scholarship? With one for next year, and your work for the real estate company besides, you could get along very well. You deserve one and I am sure that you can win it."

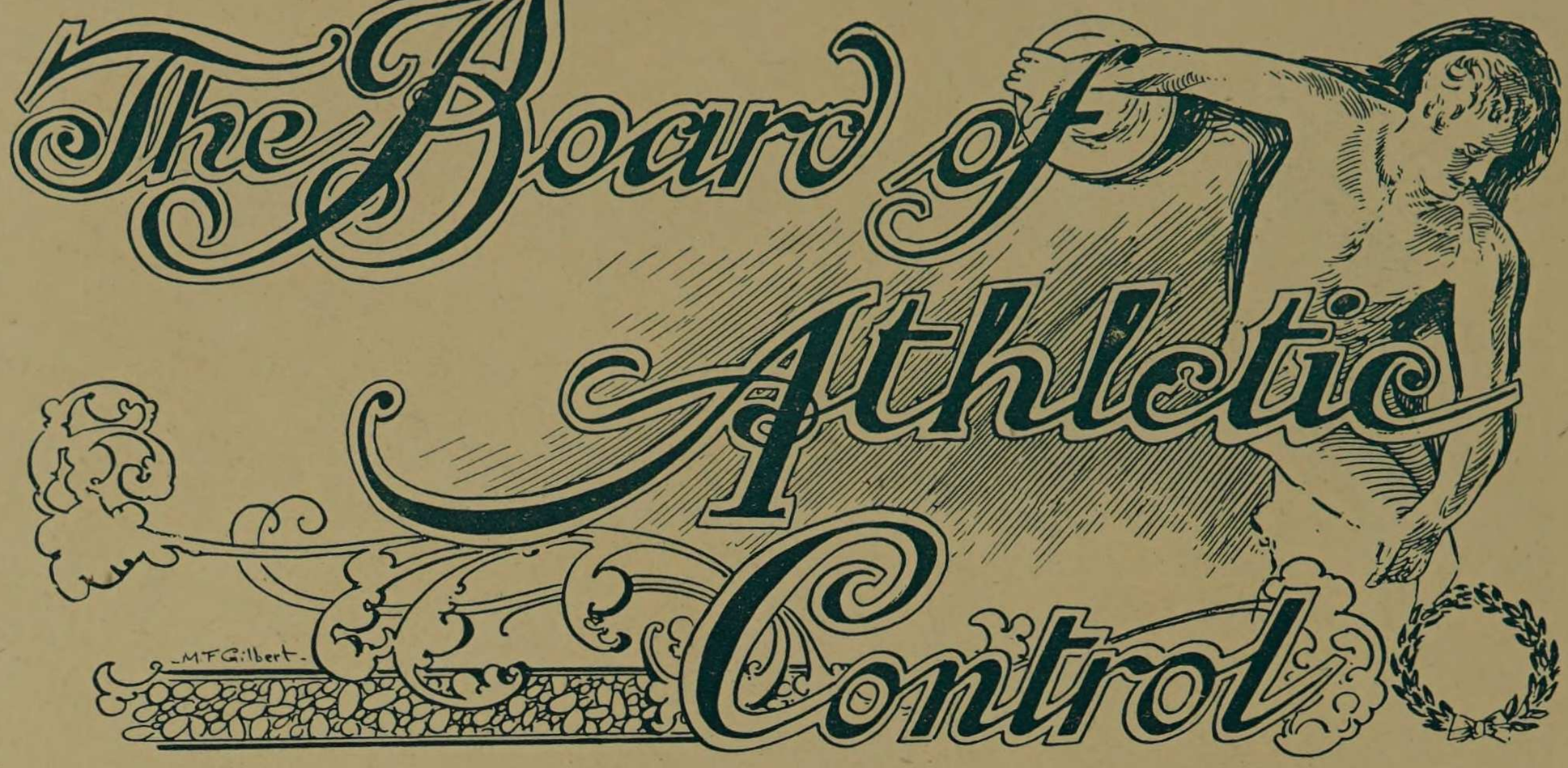
The man in him straightened slightly under the warmth of the girl's words. Here was a way for him to achieve his end. When he left Truth that evening, it was with the determination that he would win a scholarship for his last year, and that his sponsor in the struggle should be Truth Huntington.

That winter of 1900 and 1901 was one of continuous hard work for Randall. Each night found him with a day's work well done, yet with his outside position, his hours of sleep were never more than five in number. Spring came and still he labored on; his usual good health was beginning to succumb to the effects of such unrelenting work. Many times on those long months he grew weary, and his mother — then convalescent — began to fear that her son would break down. Indeed all that kept Graham Randall at his task was the refreshing influence of the girl for whom he had won the Lewis game on that long-to-be-remembered Thanksgiving. In those nights of toil when mere human physical strength seemed about to fail, a thought of her would spur him on.

June came at last and with it all of the charm and beauty of the month. Mrs. Randall had left the hospital — almost completely well again. She had tried to persuade her son to drop part of his work but he had manfully stuck it out and on one eventful evening in the old assembly hall he received his reward. The usual commencement exercises had been completed and the Dean was reading the scholarship list for the coming year. The first name on the list was that of Graham Randall. Somewhere in the audience, an old woman uttered an inarticulate sob; a girl of eighteen blushed with supreme joy, and Graham Randall smiled contentedly. He was happy because he had succeeded, but happier still because Truth Huntington was happy; for he had done it all for a co-ed.


Athletics
M. F. Gilbert

The Board of Athletic Control



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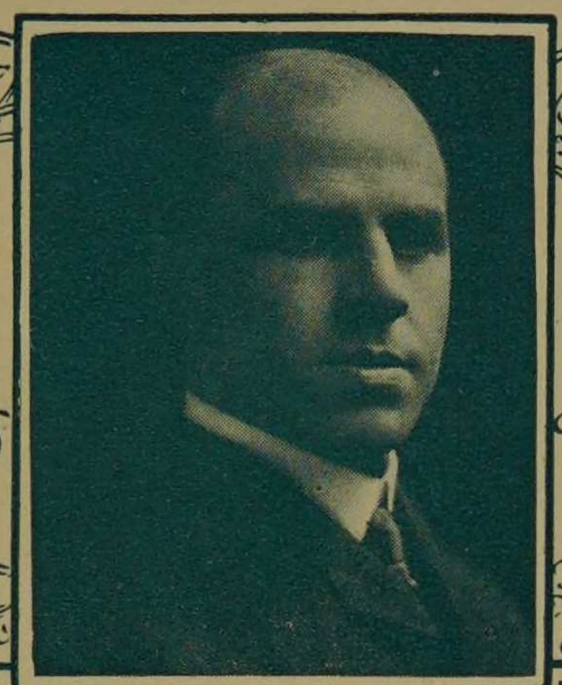
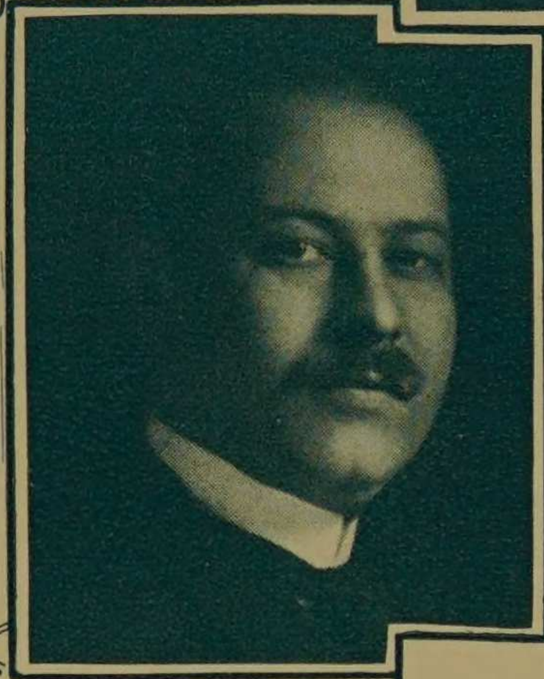




C. E. Kilgore





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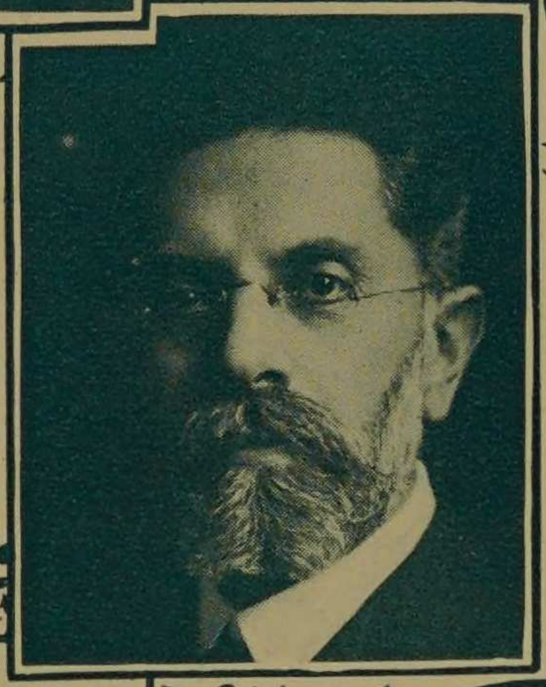


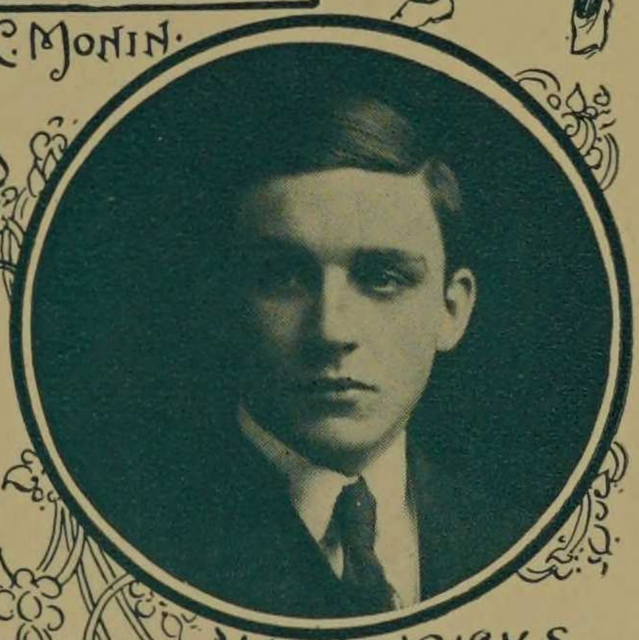


H. M. Raymond



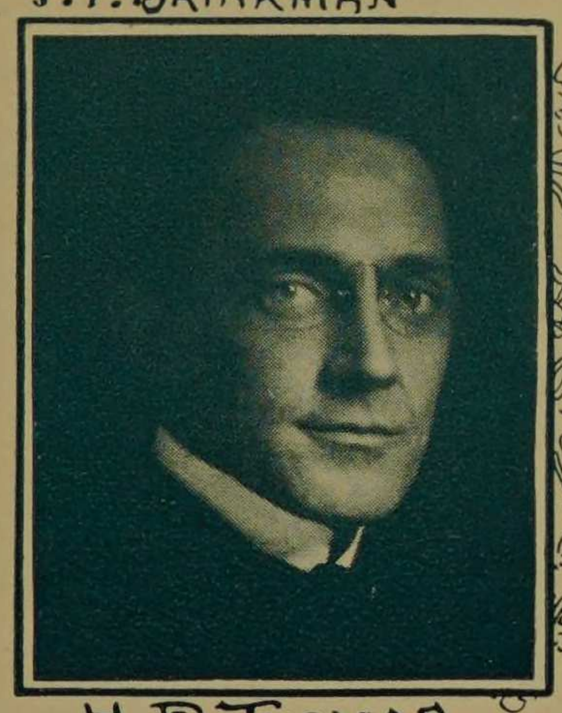


L. C. Monin.



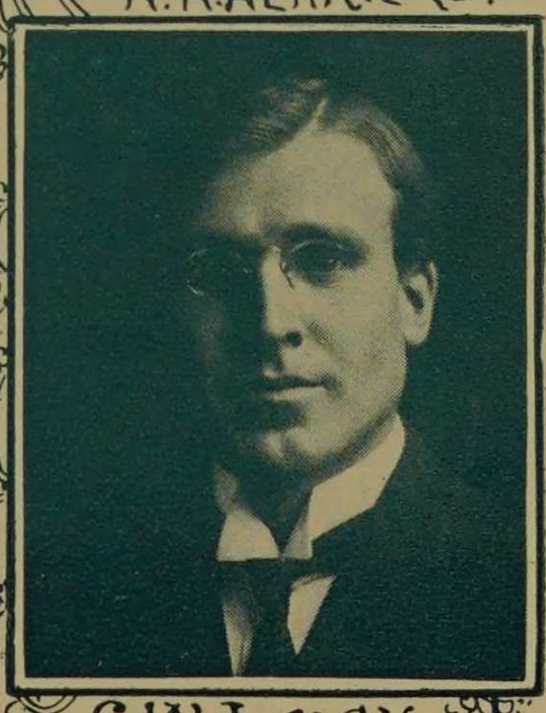
P. P. Brinkman

H. H. Henricks.



F. U. Smith

The Board of Athletic Control



H. B. Thomas.

C. W. Leigh.

Athletics

During the past year the interclass games have been made the feature in athletics at the institute. In the spring these games have always been of interest to the students and have been well supported and now that football has been dropped from athletics at Armour, they have been made the fall feature in sports.

Each year it is intended by the institute to hold a series of games in baseball, track, and basketball and the class having the best record in these three branches is awarded a banner by the Athletic Board. This innovation was first tried last fall and proved very successful. The all-around championship was won by the Class of 1909. They secured first place in basketball and track, and second place in baseball. In the preceding spring, the baseball and basketball championships were won by 1908 and the track championship by 1909.

The coöperation of the entire institute in athletics has been a long felt want at the Tech and the class games certainly offer a good means to this end.

While football is the greatest of all college games, the time for practice here at the institute is necessarily limited, as the teams are unable to start practice until five o'clock, so that it is impossible to produce a satisfactory team. Another objection to football is the expense necessary to equip and maintain a team. In other colleges, the gate receipts pay these expenses to a very large extent, but at Armour these amount to almost nothing, so that there is no help in this direction. For these reasons it is best to replace football by these class games which allow a large number of competitors and are of great interest to the entire student body.



Base Ball

Fey	'09	Niestadt	'09
Gilmore	'08	Smith	'08
McAuley	'09	Trinkaus	'08
Urson	'08		

Track

Benson	'09	Hotchkin	'08
Crabbs	'08	McKarahan	'09
Ellett	'07	Stadeker	'09
Trinkaus	'08		

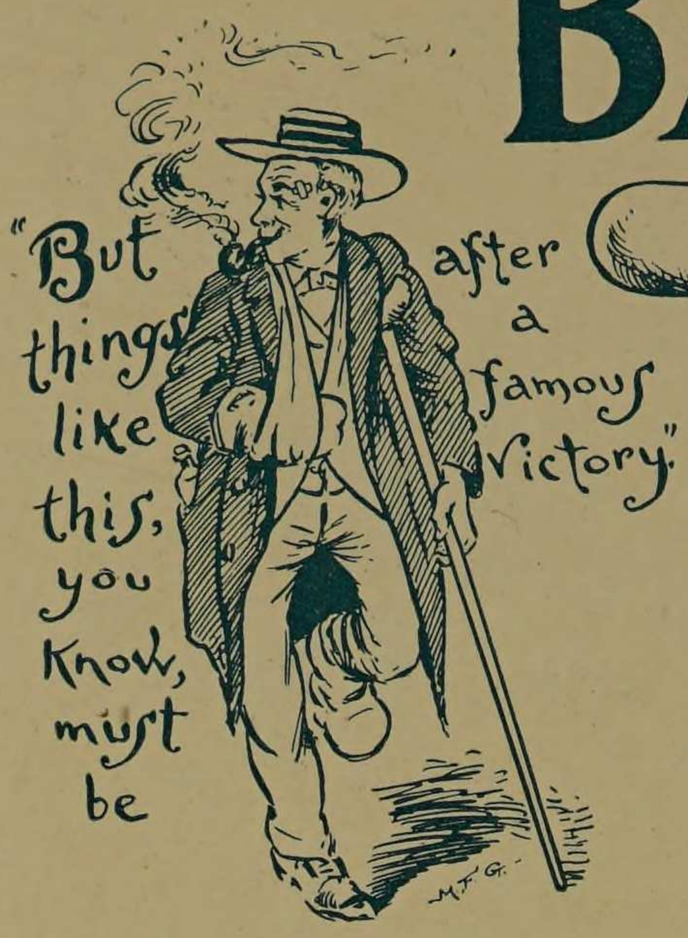
Basket Ball

Beckman	'09	Johnson	'09
Edwards	'10	Trinkaus	'08
Kilgore	'07	Uhlendorf	'09
Laubach	'07	Urson	'08

Foot Ball

Henning	'07	Mathews	'07
Hotchkin	'08	Trinkaus	'08
Macdonald	'07	Uhlendorf	'09
Walbridge	'07		

BASEBALL



Captain
A. L. Carr, '06

Manager
Grover Keeth, '06

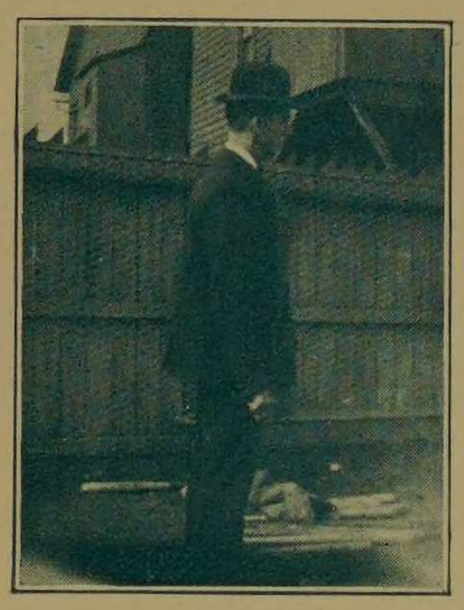
Coach
W. K. Smart

THE TEAM

Members	Class	Position
Wm. Trinkaus, Jr.	1908	Pitcher
H. C. Smith	1909	Catcher
B. F. McAuley	1909	First Base.
A. L. Carr	1906	Second Base
F. A. Niestadt	1909	Second Base
H. L. Strube	1906	Third Base
P. Harrington	1906	Shortstop
W. A Howard	1909	Left Field
W. Fey	1909	Center Field
F. J. Urson, Jr.	1908	Right Field
F. J. Hughes	1909	Substitute

SCHEDULE OF GAMES PLAYED

Date	Opponent	Place	Score	Won by
April 7	The N. K. Fairbanks Co.	Ogden Field	16–5	Armour
April 14	Austin Alumni	Austin	8–7	Armour
April 21	Northwestern College	Naperville	20–3	Armour
April 28	Lake Forest College	Lake Forest	7–1	Armour
May 2	College of P. & S.	Ogden Field	11–2	Armour
May 4	Wendell Phillips H. S.	Ogden Field	13–4	Armour
May 5	Rose Polytechnic Inst.	Ogden Field	2–0	Rose
May 9	Northwestern University	Evanston	15–4	Northwestern
May 12	St. Viateur's	Kankakee	6–4	St. Viateurs
May 16	Lake Forest College	Ogden Field	3–2	Armour
May 19	St. Ignatius	Ogden Field	7–1	Armour
May 23	Northwestern University	Ogden Field	7–1	Armour
May 30	Michigan Agricultural College	Lansing	9–4	Armour



COACH SMART

In the spring of 1906 Mr. Smart had to build up practically a new team as Carr and Trinkaus were the only old men back. However there were a good many old academy stars such as Smith, Urson, and Howard to pick from as well as some new men in the freshmen class as McAuley, Fey, and Niestadt. Mr. Smart soon had developed the best team the institute ever had. Fey was the star of the outfield and McAuley of the infield. Trinkaus pitched great ball and proved to be the best all around star of the team.

THE COLLEGE BASEBALL TEAM 1906



Smart Hughes Howard Strube Urson Niestadt Keeth
McAuley Harrington Carr Fey
Smith Trinkaus



This year Mr. Smart expects to get a good team under the leadership of Captain McAuley. Of last year's team, Fey, Urson, Niestadt, Smith, and Trinkaus are still in school, the last two being the same star battery of last year. In addition Mr. Smart has Deveney, an old academy man, Lemmon, an old Lewis star, and a number of other good men.

The Spring Interclass Games

The interclass games in the spring proved quite interesting as a means of stimulating class rivalry. There was more of this rivalry, however, than there was of baseball till later in the season, when the teams had developed sufficiently to put up some pretty good games. These games resulted as follows: '08 defeated the faculty (10-8) and defeated '09 in two games (16-4 and 11-10). '07 defeated '06 (6-0).



WATCHING THE SENIOR-FACULTY BASEBALL GAME

The Senior Faculty Game

The annual baseball game between the seniors and the faculty took place on Friday, June 8, 1906, on Ogden Field. H. L. Strube pitched for the seniors while "Pat" Crow represented the faculty in this position.



"PAT" CROW AT BAT – SENIOR FACULTY GAME

The game was close and therefore exciting at all times. Ten innings were necessary before the deciding score of 7 to 6 in favor of the seniors was reached. The play was unmarred by errors except for one bad one on the part of Smart, the former U. of C. star. The fine playing of Leigh, Coffeen, and Rochlitz was the feature of the game.

Fall Interclass Games

The fall baseball series aroused a great deal of interest among the students and was won by 1908, due chiefly to the fine pitching of Trinkaus.

On the same day that '07 defeated '10, '08 defeated the all star team of '09. On the latter team were four Tech men and two old academy men but they were unable to hit Trinkaus, who was in fine shape for this game.

The most important game of the series was played October 20, '06, between 1908 and 1907, for the class championship of the institute. The game was close, '07 being in the lead until the ninth inning when the first two men up received free transportation, Smith with a sacrifice advanced them one, and then Harger hit the ball into the west bleachers for a two bagger scoring two men and winning the championship.

The line up for this game was:

1907	Position	1908
E. J. Sigwalt	Catcher	H. C. Smith
G. S. Laubach	Pitcher	W. Trinkaus, Jr.
C. E. Kilgore	First Base	K. Harger
C. G. Dreffein	Second Base	A. J. Ebner
M. Gilmore	Short Stop	A. W. Eaton, Jr.
J. F. Mathews, Jr.	Third Base	F. J. Urson, Jr.
C. S. Henning	Left Field	G. A. Binder
E. W. Jones	Center Field	C. F. Busse
E. H. Ellett, Jr.	Right Field	R. W. Sturtevant / A. R. Webb

The Games

Date	Opponents	Won by	Score
Oct. 6, 1906	'07 vs '09	'09	9–1
Oct. 6, 1906	'08 vs '10	'08	15–12
Oct. 13, 1906	'07 vs '10	'07	10–5
Oct. 13, 1906	'08 vs '09	'08	6–3
Oct. 20, 1906	'09 vs '10	'09	13–4
Oct. 20, 1906	'08 vs '07	'08	3–2

Academy Baseball

Captain	Coach	Manager
A. C. Pay, '06	W. J. Murphy	Spencer Otis, Jr.

THE TEAM

Members	Class	Position
L. A. McElhiney	1906	Pitcher
E. W. McMullen	1906	Catcher
A. Callahan	1907	First Base
G. W. Abel	1907	Second Base
A. C. Pay	1906	Shortstop
W. J. Neville	1906	Third Base
G. C. Bristol	1907	Left Field
E. C. Johnson	1906	Right Field
J. W. Aymar	1906	Center Field
J. G. Fraser	1908	Substitute

SCHEDULE OF GAMES PLAYED

Opponents	Place	Score	Won by
R. T. Crane H. S.	Ogden Field	13–5	Armour
Northwestern Academy	Evanston	5–4	N. W. A.
University High	Ogden Field	5–2	Armour
St. Vincent	St. Vincent	10–8	Armour
Northwestern M. A.	Highland Park	11–2	Armour
Lake Forest Academy	Lake Forest	9–2	Armour
Morgan Park Academy	Morgan Park	3–2	Morgan Park
University High	Jackson Park	10–2	Armour
Northwestern Academy	Ogden Field	1–0	N. W. A.
Morgan Park Academy	Ogden Field	3–2	Armour

Last year the Academy won 70 per cent of the games they played. They had a well balanced team, all good players with no particular star. The last game of the season against Morgan Park Academy was a very hard fought game and was not decided till the end. In this game Abel distinguished himself by retiring Morgan Park in one, two, three order in the ninth inning by some fine stops.

Mr. Leigh expects great things of this year's team with Abel as captain and Dunne manager and such star battery as Torrey and Corboy.

THE ACADEMY BASEBALL TEAM
1906



Abel
Johnson
Calahan
Pay
Neville
Bristol
Murphy
McMullen
Aymar
McElhiney
Fraser



TRACK

Captain
C. O. FRARY, '08

Manager
H. J. SAWTELL, '06

Coach
E. E. JONES

THE TEAM

C. O. FRARY, '08	Hundred and Two-twenty Yard Dashes, Quarter Mile, Broad Jump
E. H. ELLETT, JR., '07	Broad Jump and High Jump
V. WHIPPLE, '09	Shot, Hammer, and Discus
E. HOTCHKIN, '08.	Hurdles and Pole Vault
E. V. MCKARAHAN, '09	Hundred and Two-twenty Yard Dashes
G. I. STADEKER, '09	High Jump and Hurdles
O. R. BENSON, '09	Hundred and Two-twenty Yard Dashes, Shot, Hammer, and Discus
R. LEWIS, '08	Quarter Mile
W. TRINKAUS, JR., '08	Pole Vault
H. J. SAWTELL, '06	Mile
W. DUNBAR, '08	Hundred and Two-twenty Yard Dashes and Quarter Mile
A. C. BUCKETT, '09	Mile
L. BEXTEN, '09	Half Mile

SCHEDULE OF MEETS

Date	Opponents	Place	Score	Won by
April 28	Northwestern U.	Northwestern	$73\frac{1}{2}$–$43\frac{1}{2}$	N. W. U.
May 5	Northwestern Coll.	Armour	68–49	N. W. C.
May 12	Lake Forest Coll.	Lake Forest	$63\frac{1}{2}$–$53\frac{1}{2}$	L. F.
May 26	Mich. Ag. Coll.	Armour	66–47	M. A. C.
June 9	Knox College	Knox	$69\frac{1}{2}$–$47\frac{1}{2}$	Knox.

The College Track Team met with an unsuccessful season in the spring of 1906, as they were unable to win any of their meets, but under the circumstances the individual members certainly deserve a great deal of credit for their hard and conscientious work. The results of the season may also be accounted for, not only by the fact that the teams which our team met were all strong and well balanced, but also by the fact that, while we had several very high-grade men, still there were some events in which we were unable to make even a respectable showing and it was just these few weak spots which led to defeat. The members of the team also experienced the usual difficulty of not being able to train consistently on account of school-work and in view of all these things it is to be wondered that the team made the showing which it did.

THE COLLEGE TRACK TEAM
1906



McKarahan Lindsay Crabbs Speer Hotchkin
Buckett Benson Ellett Stadeker Lewis



FINISH OF THE RELAY

The Spring Interclass Meet

The spring interclass meet was held April 21, 1906, on Ogden Field. The best individual work was done by Frary, '08, who won three firsts. Davis, '06, and Benson, '09, came next with twelve points each to their credit.

Summaries

Shot Put — Benson, '09; Davis, '06; Whipple, '09; distance 33 feet.

Hammer Throw — Edwards, '09; Davis, '06; Whipple, '09; distance, 82 feet.

Discus Throw — Lindsay, '09; Davis, '06; Whipple, '09; distance, 82 feet 8.

Broad Jump — Benson, '09; Ellett, '07; McKarahan, '09; distance, 19 feet 9.
High Jump — Ellett, '07; Stadeker, '09; Wanner, '06; height, 5 feet 2.
Pole Vault — Edwards, '09; Matthews, '07; Hotchkin, '08; height, 8 feet 9.
100-yd. Dash — Frary, '08; McKarahan, '09; Benson, '09; time, 10 3-5.
220-yd. Dash — Frary, '08; McKarahan, '09; Benson, '09; time, 25.
440-yd. Dash — Frary, '08; Davis, '06; Lewis, '08; time, 56.
Half Mile — Buckett, '09; Bexten, '09; Crabbs, '08; time, 5:15 2-5.
Mile — Buckett, '09; Root, '09; Bexton, '09; time, 5:16 2-5.
High Hurdles — Stadeker, '09; Ellett, '07; Hotchkin, '08; time, 12 2-5.
Low Hurdles — Hotchkin, '08; Stadeker, '09; Tregay, '09; time, 29 1-5.
Relay Race — '08, Hotchkin, Lewis, Crabbs, Frary; '09, Mayes, Van Etten, McKarahan Benson; '07, Burkholder, Badger, Matthews, Ellett.



FRARY WINNING THE 100 YARD DASH

The Fall Interclass Meet

The track work last Fall as a part substitute for the discontinued football proved quite a success and was very interesting. It was planned originally to have a series of dual meets among the classes leading up to a big inter-class meet. However, owing to the withdrawal of the Freshmen only one of these dual meets took place; '09 defeated '07 by a score of 60 to 20. The inter-class meet was held on Ogden Field October 27, 1906, and proved quite a feature of the season. The Freshman class was not represented but with the Senior Class of the academy there were four teams entered. The final score was: '09, 50; '08, 19; '07, A.S.A., 14; '07, 10.



ELLETT HIGH JUMPING

Ogden Field Track Records

Established in Competition by Armour Men

College

Event	Record	Held by
100-Yard Dash	10 2-5 seconds	Frary, '08; McKarahan, '09
220-Yard Dash	24 seconds	McKarahan, '09
Quarter Mile Run	53 1-5 seconds	Frary, '08
Half Mile Run	2 minutes 11 seconds	Parkes, '08
Mile Run	4 minutes 55 1-5 seconds	Crabbs, '08
75-Yard High Hurdles	10 1-5 seconds	Stadeker, '09
220-Yard Low Hurdles	28 1-5 seconds	Hotchkin, '08
Running Broad Jump	19 feet 9 1-2 inches	Ellett, '07
Running High Jump	5 feet 4 inches	Ellett, '07
Shot Put	35 feet 5 inches	Bangs, '07
Discus Throw	97 feet	Bangs, '07
Hammer Throw	82 feet	Edwards, '09
Pole Vault	10 feet 4 inches	Trinkaus, '08

Academy

Event	Record	Held by
100-Yard Dash	10 4-5 seconds	Flanagan, '05
220-Yard Dash	24 4-5 seconds	Bristol, '06; Flanagan, '05
Quarter Mile Run	54 3-5 seconds	Bristol, '06
Half Mile Run	2 minutes 16 3-5 seconds	O. R. Kellner, '06
Mile Run	5 minutes 12 seconds	Park, '06
75-Yard High Hurdles	12 seconds	Bristol, '06
220-Yard Low Hurdles	30 2-5 seconds	Flanagan, '05
Running Broad Jump	18 feet 4 inches	W. A. Kellner, '05
Running High Jump	5 feet 3 inches	W. A. Kellner, '05
Shot Put	39 feet 4 inches	Bettles, '06
Discus Throw	92 feet 10 inches	Torrey, '08
Hammer Throw	98 feet 5 inches	Bettles, '06
Pole Vault	9 feet 3 inches	Wilcox, '05 Mueller, '06 Wony, '06

THE ACADEMY TRACK SQUAD

1907



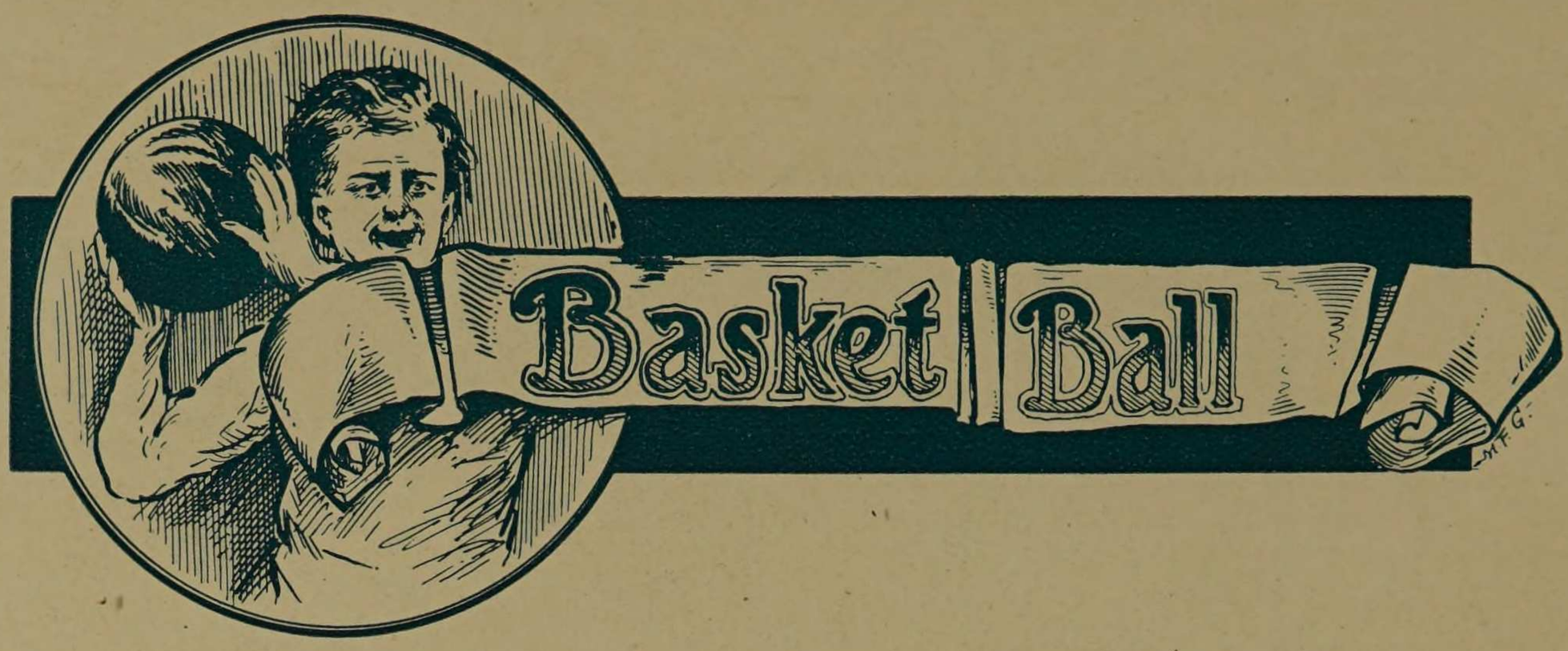
TENNIS



Last year's tennis tournament proved to be a great success. It was well arranged and managed by Mr. Fisher, '09, who succeeded in getting thirty entries. After the first three rounds had been played off, there were left in the semi-finals in the upper half Fisher and Ettenson, and in the lower half Harger and Jacobson.

Ettenson put Fisher out after a well-played match and Jacobson disposed of Harger after a hard fought three-set match. This match proved to be the best of the tournament, as Jacobson disposed of Ettenson in straight sets and won the championship of the institute.

Semi-Finals	Finals	Winner
Fisher Ettenson	Ettenson	Jacobson
Jacobson Harger	Jacobson	



Captain
C. E. KILGORE, '07

Manager
C. S. HENNING, JR., '07

Coach
T. F. CORNELL

THE TEAM

ED. UHLENDORF, '09	Right Forward
G. S. LAUBACH, '07	Left Forward
R. W. JOHNSON, '09	Center
D. S. EDWARDS, '10	Center
WM. TRINKAUS, JR., '08	Left Guard
C. E. KILGORE, '07	Right Guard

The Substitutes

F. J. URSON, JR., '08	Forward
H. E. BECKMAN, '09	Guard

THE GAMES

Date	Opponent	Place	Score	Won by
Nov. 5	Chicago Academy of Fine Arts	Armour	54-10	A. I. T.
Nov. 26	Hamilton Park	Armour	53-26	A. I. T.
Nov. 30	Wheaton College	Armour	35-28	W. C.
Dec. 3	Hamilton Park	Armour	58-24	A. I. T.
Dec. 15	Wheaton College	Wheaton	30-27	A. I. T.
Jan. 12	Michigan Agricultural College	Lansing	51-24	M. A. C.
Jan. 15	University of Chicago	U. of C.	65-16	U. of C.
Jan. 19	Northwestern College	Naperville	41-19	N. W. C.
Jan. 26	Central Cardinals	Armour	35-28	Cardinals
Feb. 9	Wilson Ave. Y. M. C. A.	Wilson Ave.	31-25	A. I. T.
Feb. 13	Lewis Institute	Lewis	25-22	Lewis
Mar. 1	Lewis Institute	Armour	45-41	A. I. T.
Mar. 8	Wilson Ave. Y. M. C. A.	Armour	37-33	A. I. T.
Mar. 16	Purdue University	Armour	26-19	Purdue

The basketball season of 1906-1907 was not as successful as we had hoped for. In the first place, an effort was made to schedule games with college teams exclusively but, failing in this, Y. M. C. A. teams were substituted. Even this did not bring us good luck as far as the schedule was concerned, for six games were cancelled after they had been finally scheduled.

Of the old men Captain Kilgore, Johnson, and Trinkaus were back. Johnson was out of the first few games on account of a sprained ankle and was again disabled in the Naperville game, and forced to quit the team. Both Kilgore and Trinkaus played a star game at guard and made trouble for all their opponents, while Trinkaus developed into one of the best free-throwers in the city. Edwards, the only freshman on the team, took Johnson's place at center and played excellent ball while Laubach and Uhlendorf as forwards were stars at basket-throwing. Urson and Beckman played in several of the games and they played first-class basketball.

THE COLLEGE BASKETBALL TEAM
1906-07



Beckman Henning Uhlendorf Cornell Laubach
Trinkaus Kilgore Edwards Urson

Coach Cornell's endeavors were to develop a team playing together rather than a collection of stars, and while most of the men were inexperienced, their team work was noted wherever they played and in the Purdue game our fellows put up the grandest exhibition of basket ball ever seen in our gymnasium. It might be interesting to note that the team won just half of their games, seven out of fourteen, and scored 464 points to their opponents' 464. They also defeated Lewis for the first time in three years.

Taken as a whole, therefore, the team was fairly successful and with Trinkaus, Johnson, Edwards, Uhlendorf, Beckman, and Urson back next year a strong team is assured. At the close of the season Trinkaus was elected captain for the season 1907—1908.

Basket Ball Statistics

Games played - -	14	Games won - -	7
Games lost - -	7	Points scored - -	464

Points scored by opponents 464.

Field Goals

Trinkaus - - -	33	Kilgore - - -	31
Uhlendorf - -	31	Laubach - -	26
Edwards - - -	26	Johnson - -	14
Urson - - - -	4	Beckman - -	1

Goals from Free Throws

Trinkaus	64	out of 116	attempts or 55%
Kilgore	12	out of 33	attempts or 36%
Laubach	5	out of 14	attempts or 36%
Uhlendorf	13	out of 42	attempts or 31%

Interclass Basket Ball

The fall basket ball series was won easily by '09. '08 expected to give them a hard rub, but just before the final game between '08 and '09, some of the '08 men were hurt in practice and were not able to play up to their regular standard. The series resulted as follows:

Games won—'09, 3,—'08, 1,—'10, 1,—'07, 0.
Games lost—'09, 0,—'08, 2,—'10, 2,—'07, 3.

Academy Basket Ball

Captain
O. S. BURKE

Manager
A. W. BUCKINGHAM

Coach
T. F. CORNELL

THE TEAM

F. C. KOESTNER	Forward
G. C. BRISTOL	Forward
J. A. LYONS	Forward
O. S. BURKE	Guard
W. C. BRUCE	Forward
A. M. VANDERKLOOT	Forward
R. G. MCGLASHEN	Guard
V. DUNNE	Guard
P. P. BRINKMAN	Guard
W. MERRITT	Center

SCHEDULE OF GAMES

Date	Opponent	Score	Won by
Nov. 2	Calumet H. S.	44–12	A. S. A.
Nov. 9	Englewood H. S.	41–12	A. S. A.
Nov. 16	Lake View H. S.	40–33	L. V. H. S.
Nov. 26	University H. S.	78–14	A. S. A.
Dec. 8	Evanston Academy	23–22	Evanston A.
Jan. 5	Harvey H. S.	32–15	Harvey H. S.
Jan. 9	St. Cyril's College	34–16	St. Cyril's
Jan. 12	Lake Forest Academy	44–16	Lake Forest
Jan. 14	St. Cyril's College	38–25	St. Cyril's
Jan. 18	Harvey H. S.	30–14	Harvey H. S.
Jan. 25	Morgan Park Academy	47–26	Morgan Park
Feb. 1	Chicago Normal School	30–17	A. S. A.
Feb. 15	Waukegan H. S.	40–30	A. S. A.
Feb. 20	Evanston Academy	25–24	Evanston A.
Feb. 22	Waukegan H. S.	56–27	Waukegan H. S.
Feb. 27	Chicago Normal School	30–25	A. S. A.
Mar. 1	Lake Forest Academy	34–32	A. S. A.
Mar. 8	Morgan Park Academy	38–24	A. S. A.
Mar. 15	Morgan Park Academy	31–27	Morgan Park

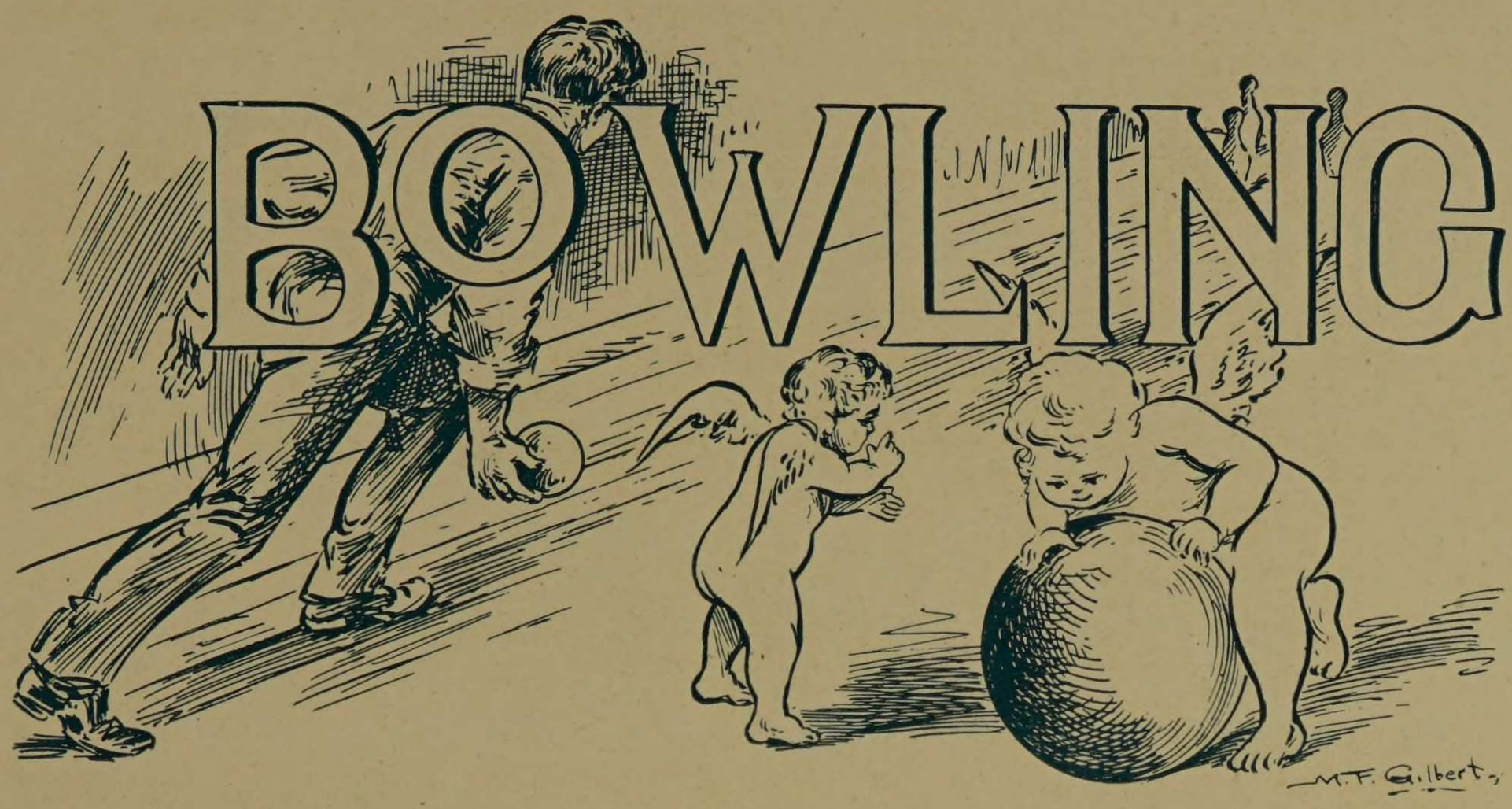
The academy team opened its season Nov. 2 by defeating Calumet High School 44-12. The lineup was practically the same as that of last season's championship five. Bristol and Bruce, forwards, and Capt. Burke and Brinkman guards, played their old time, fast, consistent game. Ingersoll at center did good work. This team played five hard games in the fall term, winning three and losing two.

At the opening of the winter term an entirely new team had to be formed. Manager Brinkman had to leave the game on account of outside work and the other four men were below in their studies. Buckingham was appointed manager and Coach Cornell, who had plenty of reserve material, soon picked a team which rounded into shape with surprising rapidity. Koestner, Vanderkloot, and Lyons at forward played a snappy game and could always be depended upon for three or more baskets. Dunne and McGlashen, guards, covered their men well and usually found time to drop the ball in the basket once or twice. Merritt at center was "right there" all the time. Later in the season Bristol came back and strengthened the team. A total of nineteen games were played, of which the academy won nine, scoring a total of 596 points to 550 for their opponents.

THE ACADEMY BASKETBALL TEAM
1906-07



Buckingham Cornell Dunne
Lyons Koestner Vanderkloot



The College Tournament

Manager
E. H. Ellett, Jr.

Class Managers

1907	1908	1909	1910
E. H. Ellett, Jr.	W. E. Holmes	E. B. Crane	L. A. Poland

The Teams

1907	1908	1909	1910
L. H. Badger	H. F. Doyle	H. E. Moyses	W. J. Neville
F. L. Burkholder	Wm. Trinkaus, Jr.	P. A. Seiler	J. J. Daly
A. Hayden, Jr.	G. J. Meyer	A. J. Baldauf	M. Lyon
G. A. Haggander	F. J. Urson, Jr.	A. C. Riker	W. Hill
F. J. Mathews, Jr.	A. J. Ebner	D. D. Dick	E. L. Goodspeed
E. H. Ellett, Jr.	W. E. Holmes	E. B. Crane	L. A. Poland

Bowling has certainly taken a firm hold at Armour. It is one of the very few student activities that flourish steadily each year by being under a responsible supervision. Each year some men feel the "spirit move them" and in January a bowling tournament arrives.

This year the sophomores showed their strength in the bowling line, not unexpectedly however, as they had won when freshmen and had a good nucleus for their team. However, it was by no means such a runaway race as last year, since it was decided by the last series, when '09 won two out of three from '08. '07 finished a fair third and '10 a poor last. The juniors or sophomores had been almost neck and neck throughout the tournament. The bowling, although not up to that in '03, '04, and '05, was somewhat better than last year.

The Individual Handicap Tournament

Soon after the close of the interclass bowling, an individual handicap tournament was run off. The "limit" men secured all the prizes. Seiler, '09, with a handicap of twenty-eight pins took first prize with a gross score of 963. Ellett, '07, with 5 pins handicap had high net score of 870, but was not in the money. Ebner, '08, rolled high game, 225.

Results of the Bowling Tournament

Team	'09	'08	'07	'10	Won	Percentage
'09	..	6	5	8	19	.704
'08	3	..	7	8	18	.667
'07	4	2	..	7	13	.481
'10	1	1	2	..	4	.148
Lost	8	9	14	23	54	

Individual Averages

	Games	High	Low	High Series	Average
Riker, '09	27	233	134	191	174
Ellett, '07	27	231	127	184	170
Trinkaus, '08	27	202	98	177	163
Crane, '09	27	203	134	180	155
Ebner, '08	24	192	125	173	155
Badger, '07	27	223	87	182	154
Lyon, '10	27	212	113	178	153
Baldauf, '09	23	205	89	163	151
Meyer, '08	21	195	105	178	150

"200" Scores

Riker, '09	233-210-227-210	Lyon, '10	212
Ellett, '07	231-203-206-212	Baldauf, '09	205
Trinkaus, '08	202	Burkholder, '07	206
Crane, '09	203	Haggander, '07	227
Badger, '07	223	Moyses, '09	203
		Urson, '08	203

Individual Handicap Tournament

High Total Scores 5 (Games)

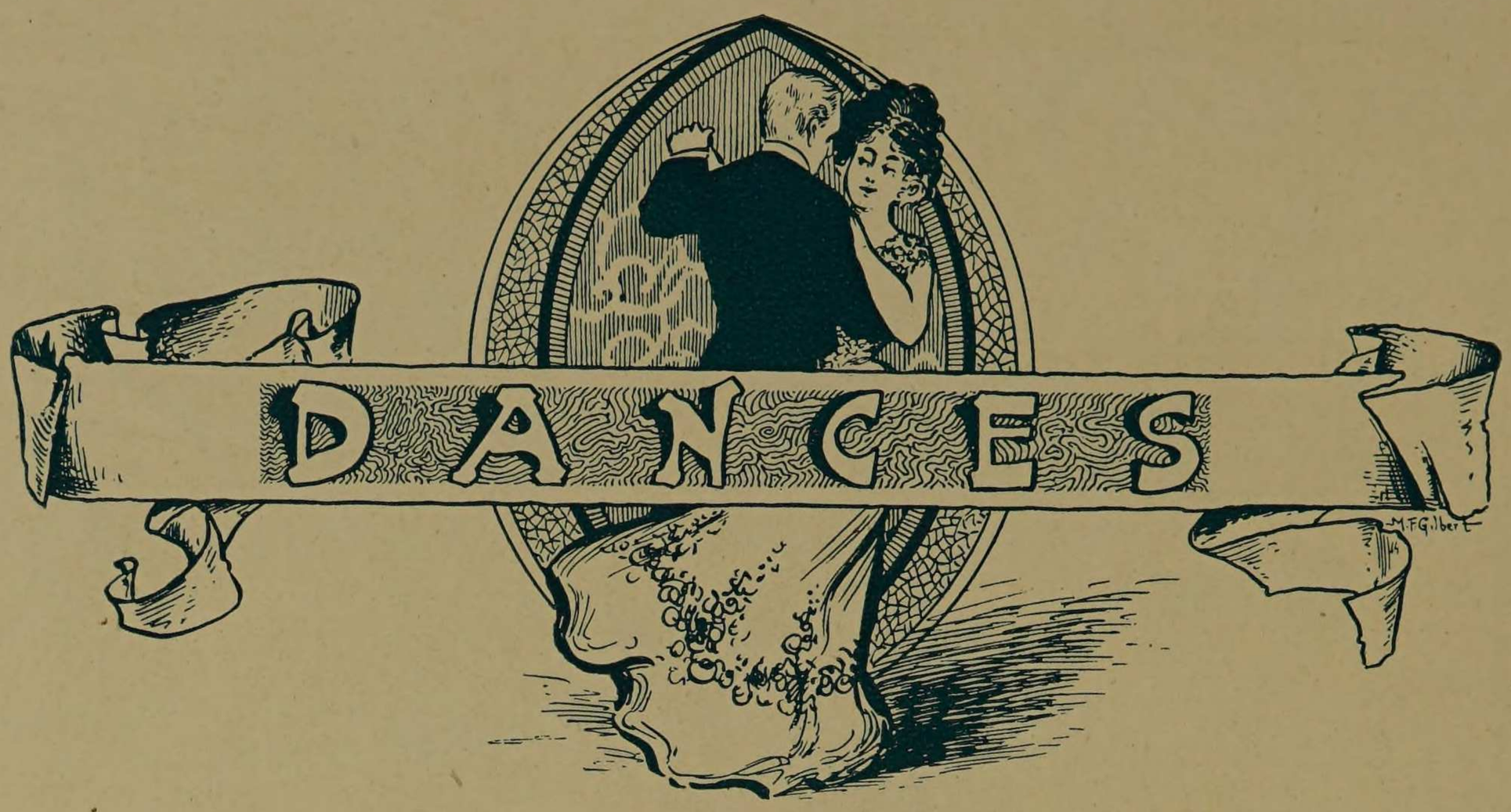
	Handicap	Net Total	Gross Total
Seiler, '09	28	823	963
Moore, '10	30	785	935
A. Hayden, Jr.	30	784	934

High Net Single Games

Ebner, '08	225
Haggander, '07	205
Ellett, '07	203

Society





The '08 Sophomore Dance

On Friday evening, April 27, 1906, the '08 class gave their Sophomore dance at the Englewood Masonic Temple, 67th and Wentworth Avenue. Ballou furnished the music while the crowd, though large, "did the rest." The committee, composed of A. A. Dittmar, Austin Crabbs, and John Selby Townsend, was exceptionally fortunate in selecting a fine evening and was justly rewarded by a dance that was enjoyed by everybody, and that did justice to the Class of '08.

The '07 Junior-Week Dance

On the evening of Friday, May 25, 1906, following the Glee and Mandolin Club Concert, an informal dance was given in the institute gymnasium. Despite the warm evening, a large crowd was present and "tripped the light fantastic toe" to the always welcome strains of the Lawrence Orchestra. For the present generation, this dance in the gymnasium was a novelty, though in the "years gone by" they were given frequently and were considered an indispensable function of Armour life.

Senior Dance

The Senior Class opened the 1906-07 dancing season with their dance given at the Lakeside Club, 42nd and Grand Boulevard, Friday, December 8, 1906. This affair was a success in every respect and was enjoyed by everybody. Aided by the pleasant evening and by Lawrence's good music, the Class of '07, through their committee, C.U. Smith, B. C. Hooper, and J. L. Schmidt, displayed their usual ability at entertaining in this line and deserve much credit.

The Freshman Dance

The Class of 1910 gave their first social function Friday, January 18, 1907, in the form of a dance. It was given at the Lakeside Club, mid the strains of Lawrence 's music. The soft refreshments, consisting of frappé and cakes, made up for the poor weather and went far in furthering the success of the evening. There was a large crowd present with a good representation from each class and the usual quota of outsiders.

The Atelier Informal

The Department of Architecture gave an informal dance at the Art Institute February 7, 1907. Although this was the first social endeavor of the Atelier, it was well attended. About forty-five couples were present, both the Atelier and Art Institute being well represented. The dining-room was used for dancing while several near-by rooms were converted into parlors. All were tastefully decorated with Japanese lanterns, the subdued light adding a pleasing charm to the scene. Ballou furnished the music and refreshments were served during the entire evening.

The Sophomore Dance

The Sophomores, when giving their dance this year, on Friday, March 8, returned to the Colonial Club which was used so much last season. This time, however, permission for the use of the elaborate parlors was obtained. These parlors, with the good floor, Lawrence's Orchestra, a fine evening, and a jolly crowd — and what more could be wanted — placed this affair among the customary "all-around-successful" Armour dances. The committee, Messrs. McKarahan, Currier, and Dick, worked hard and certainly gave a dance to be proud of.

The Radic Dance

The annual formal dance of the Radical X Club, on Friday, April 20, at the Waupanseh Club, 41st and Drexel Boulevard, was well attended and well enjoyed by a large number of ex-Radics and outsiders as well as by the active members. Lawrence's Orchestra, which is becoming a function of Armour dances, was present with the best of music which, with the jolly crowd and fine weather, put a finishing touch to the affair. Credit for this event is due to Messrs. E. H. Ellett, C. E. Kilgore, and J. T. Walbridge.



The Junior Banquet

As one of the star events of the first Junior Week at Armour, the Class of '07 treated itself to a banquet at the Union on Wednesday, May 23, 1906. For this event, about ninety members and ex-members of that class, as well as Deans Raymond, and Monin, and Mr. F. U. Smith, assembled. Mr. Henning was toastmaster and H. W. Jones, H. R. Badger, and A. A. Kelkenney replied with toasts on "Our Class," "Junior Week," and "The Integral" respectively. The guests spent a gay evening especially after 10 o'clock the time when the Deans and Mr. Smith left.

The Spring Banquet of the Alumni Association

The alumni of Armour Institute of Technology held their regular June banquet and business meeting last June on the twelfth, at the Union. As the president, Mr. Tarbell, could not be present, Prof. Rochlitz acted as master of ceremonies. At this meeting the '06 class was welcomed into the association. N. M. Loney, '97, delivered the welcoming address. The response by G. W. Smith, ex-president of the '06 class, was followed by toasts on "The Past of the Institute," "The President." and "The Future," by Dean Monin, Dean Raymond, and President Gunsaulus respectively. The meeting was brought to a close by Professor McClement's farewell address and Professor Rice's outline of the new Armour chapter of the Tau Beta Pi Association.

The Winter Banquet of the Alumni Association

On December 22nd, 1906, the Alumni Association held their annual mid-winter banquet and business meeting at the Grand Pacific Hotel. After a large and sumptuous spread, toasts were given by Dr. Gunsaulus, Dean Monin, and Dean Raymond and the assembly was treated to some vaudeville and music. The Fulcrum was adopted as the official organ of the association.

The Radic Initiation Banquet

The regular freshman initiation banquet of the Radical X Club was held February 15, at the Boston Oyster House. About fifty members were present including several alumni. After the "feed" several short talks were given by the older members. These contained certain necessary bits of advice to the freshmen to help them make their course at Armour a success. After the "doings" were over, several bowling matches took place, so that all-in-all a very pleasant evening was passed.

The Atelier Banquet

The second annual banquet of The Atelier was held at Vogelsang's Friday evening, March 1, 1907. Mr. E. F. Gillette officiated as toastmaster and introduced as speakers of the evening Dean Monin, Prof. Shattuck, Dean Raymond, Prof. Talmadge, Prof. Hammond, N. W. Cook, and Robt. Layer, all of whom gave very interesting talks along the lines of an architect's professional life. The program of the evening was closed by several good musical numbers and numerous stories.

The Nebraska Club Banquet

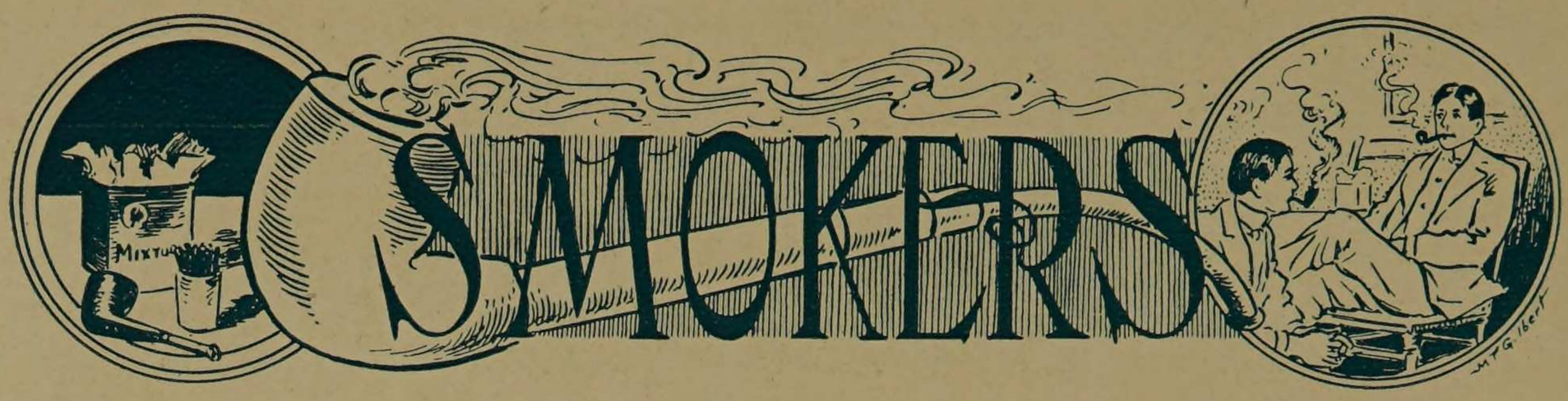
The first banquet of the Nebraska Club was held at the Union June 1, 1906. The guest of the evening was Mr. Wulpi, a former resident of the Antelope State.

Toasts were given by all the members and Mr. Wulpi gave a short talk on the great resources of Nebraska.

A meeting was held after the banquet and the following officers were elected for the ensuing year: President, A. A. Kelkenney; Vice-President, Geo. Jaquet; Secretary and Treasurer, E. M. Beaty.

THE FRESHMAN HANDSHAKE

On Friday evening, October 5th, the Armour branch of the Young Men's Christian Association opened the social season of the Tech with its annual Handshake in honor of the freshmen. The affair was held in the Refectory and was well attended. Dean Monin made the first address — one of welcome and advice mingled with his humor which pleased the "boys." Dr. Scherger told of the growth of the Y. M. C. A. and Dr. College pointed out the advantages of the Y. M. C. A. to college students. Some Scotch and other good stories, with the general informality and light refreshments completed the success of the evening.



The Freshman Smoker

Friday evening, November 2, 1906, was the date of the sixth annual Freshman Smoker, held at the South Side Turner Hall, 3143 State Street. It was eight o'clock when the fellows commenced to congregate for the jollification given by the three upper classes to the freshmen. There were present alumni, upperclassmen, freshmen, of course, and faculty. By nine-thirty, when the program started, the old assembly room of Turner Hall was indeed well filled with men and smoke.

Five hundred and fifty pouches, filled with tobacco, and pipes and match-boxes to the same number, had been distributed by the committee. This was over one hundred in excess of the "rations" doled out a year ago, but even this was insufficient to supply all present. The pouches were of buckskin, trimmed with yellow and black cloth at the top; the pipes of weichel wood with curiously carved bowls.

The program which lasted until 12:15 A. M., was an interesting one. The first number was a double quartette made up of Robinson, Otter, E. H. Ellett, Jr., and A. M. Ellett, tenors; and Kelkenney, Dick, Dittmar, and Edwards, basses. They rendered two selections, the first one, "In Merry Mood Are We," a good old Armour song; and the second, "Her Form Divine," extremely laughable. Following this "Artie" Geist entertained the audience in a very engaging manner, first by a monologue and second by singing, "My Lovin' Henry," giving this song a very original interpretation.

The third number was well appreciated, being by D. D. Dick, on his reliable violin. Dick responded to the encore to his selection by a rendering of "My Old Kentucky Home," that went to the hearts of everyone. Dean Raymond followed with a good talk, which was well punctuated with stories. After he left the stage Prof. Coffeen was loudly called for. He was presented with a huge cigar in memory of his famous "cheese story" as he came before the footlights. His 1906 stock of "Smoker Stories" contained some excellent ones and the audience showed their appreciation in a hearty manner.

President Gunsaulus, just having arrived at the hall, next spoke for a few minutes, ending with a good story, and introducing our old friend, Mr. Daniel Protheroe, who, with Mr. T. S. Lovette, as accompanist, sang some good songs in his usual good fashion. After this, a one-act sketch was presented by "Prof." Wachs and his automaton (?) (Ben Perlstein) Wachs worked the ventriloquial act in great shape. He introduced, with his automaton, a number of good parody songs and some witty dialogue.

The final number was by Harry Clinton Sawyer of "The Time, the Place, and the Girl" Company, and was well worth waiting for. Mr. Sawyer had played through the regular evening performance of the show at the LaSalle Theater and at its conclusion was driven at high speed in an automobile to the hall. His number was one of imitation in song and pose of popular actors and actresses. L. B. Smith played his accompaniments in excellent style. Each selection was roundly applauded and everyone indeed enjoyed Mr. Sawyer's entertaining impersonations. The committee presented to him, on behalf of the classes, a fine umbrella, with a silver mounted handle.

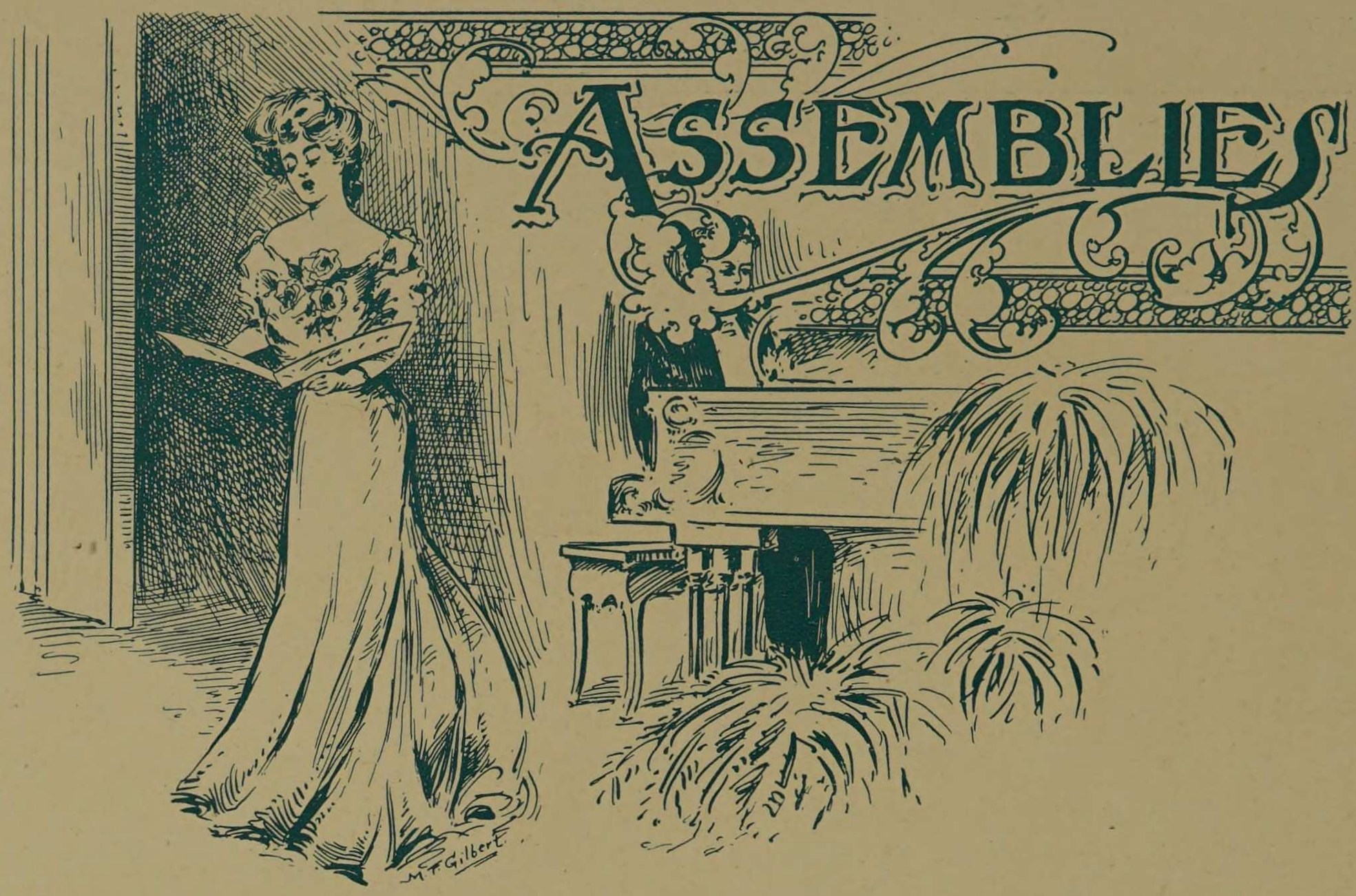
With the conclusion of this number, the 1906 Smoker ended — a jolly memory, happily added to the list that makes up our college life. The committee in charge was headed by H. Ralph Badger, as senior chairman; A. V. Eaton was sub-chairman of the junior representation and J. S. Harvey, Jr., of the sophomores.

The Radic Smoker

The Radic Smoker was held Saturday evening, March 15, 1907. About sixty Radics were present, including several of the charter members, which made the affair particularly interesting for the freshmen.

There were "smokes" in abundance and after some music and singing, a lunch was served. Particular mention may be made of the Radic steins presented to the members.

The committee was composed of "Hans" Schmidt, Roy Sturtevant, and Harold Ellington. They certainly deserve credit for their work.



SEPTEMBER 21, 1906. Dr. Gunsaulus — Opening Address of Year.

SEPTEMBER 27, 1906. Mr. Daniel Protheroe, Composer and Baritone — Song Recital, "Philadelphia," and other favorites.

NOVEMBER 28, 1906. Dorothea S. Hoaglin-Hayden of California — Recital, lyrics, dramatic selections, and humorous pieces. Mr. Calvin Cox, Tenor — Song Recital, accompanied by Dr. Scherger,—"Donny Deaver" and "Philadelphia."

JANUARY 9TH, 1907. Mr. Pearsons — Recital of Eugene Field's "The Road to Bunkville," "The Peach of Emerald Hue," "Little Boy Blue," "Winkin', Blinkin' and Nod," and "The Dear Little Bowlegged Boy."

JANUARY 5, 1907. Professor G. M. Wilcox of Armour Institute of Technology—Experimental lecture on "Liquid Air."

JANUARY 16, 1907. Rev. "Gypsey" Smith, Evangelist — Sketch of his life and work.

JANUARY 25, 1907. Dr. D. L. Hillis, Pastor Plymouth Tabernacle, Boston—"Ruskin."

FEBRUARY 1, 1907. Dr. D. F. Fox, Pastor Plymouth Congregational Church — "Dante" and "The Greatness of Florence and the Crusades."

FEBRUARY 8, 1907. Mr. Edwin D. Mead, Boston, Secretary of International Peace Commission —"The United States and the United World."

FEBRUARY 15, 1907. Mr. Isham Randolph, Chief Engineer of the Sanitary Canal — "Waterways of America."

FEBRUARY 21, 1907. Rev. Rufus A. White of the Board of Education — Illustrated Talk on "In the Footsteps of Washington."

MARCH 1, 1907. Professor Joseph R. Oldham, N. A.— Talk on "Naval Architecture."

MARCH 18, 1907. Mrs. Lulu Tyler Gates— Recital.



May 21st to 25th, 1906

Marshals

HAROLD RALPH BADGER, First Marshal CHARLES SUMNER HENNING, JR., Second Marshal
EDWIN HARDIN ELLET, JR., Third Marshal

Sub Marshals

CLARENCE URLING SMITH, EARL WESTON JONES
HAROLD W. JONES ARTHUR ALLEN KELKENNEY

Program

Monday, 10:30 A. M.
Assembly in Mission

Tuesday, 8 P. M.
Math Cremation on Ogden Field

Wednesday, 7:30 P. M.
Junior Class Banquet at the Union

Thursday, 3:30 P. M.
Baseball Game — Ogden Field

Friday, 8:15 P. M.
Glee and Mandolin Club Concert in the Mission Junior Informal dance in the Gymnasium.

Junior Week 1906

Monday. At 11:30 A. M. the institute closed down its machinery for an hour to permit of an assembly in the Mission opening the first Junior Week at Armour. The stage was decorated tastefully in blue and scarlet, the colors of the Class of 1907. Dr. Gunsaulus started the program with a short talk and then introduced Mrs. Krum, the mother of H. L. Krum, '06, who, with her son accompanying on the piano, gave a very entertaining vocal recital. The program ended with some very excellent music on the violin by Mr. Antonin Blaha.

Tuesday. At 8:00 P. M., the sad and sorrowful proceedings of "Math Cremation" were enacted by the juniors on Ogden Field, before twelve hundred spectators, students, faculty, and outsiders, the largest crowd that ever thronged the field. Temporary arc lights had been strung over the bleachers and afforded good illumination. Additional seats had been placed along the west side of the track, but even at that a majority of the spectators had to stand. In the center of the field the director of ceremonies, with the orchestra, was located, while between them and the audience was a solemn pulpit draped in black.

To the music of a funeral dirge a solemn procession, dimly lighted on its way by the glow of red tapers, emanated from the darkness of the far corner of the field. The black gowned mourners slowly followed the bier of Campbell's Calculus to the pulpit. Here G. D. Tompkins, as priest ascended the pulpit and, after the words of Anthony before the coffin of Cæsar in the market place in Rome, eulogized the Calculus. Then before the pulpit and audience the Junior Class and Church's Mechanics, personified respectively by H. R. Badger and M. Gilmore, engaged in mortal combat. The Class was downed and, falling, called loudly in King Richard's words, "A horse! A horse! My kingdom for a horse!" In response a faithful pony, the two front legs being enacted by B. C. Hooper and the complement of these by C. U. Smith, came dashing on the scene and dealt a death blow to the almost triumphant Church's Mechanics. The latter was carried from the field on a stretcher, while the Junior Class, saved from defeat, arose and in touching pathos delivered "Through Mechanics on Horseback."

At the conclusion a second funeral procession made its woeful way to the pulpit. Here a coffin containing the earthly remains of Church's Mechanics was placed on the funeral pyre at the side of the shrouded Calculus. F. G. Heuchling, a brother priest, then reverently eulogized the departed "Church."

At this point the Rt. Rev. John Alexander Dowie Perlstein delivered his forceful, though painfully sad, funeral sermon. When indeed shall such words of eloquence, of such heart-rending sentiment, be breathed again! When the long echoes of that masterful — yea, matchless — oration stretch out to generations yet unborn, then indeed will the world know the grief and despair felt by these faithful subjects for their departed friends. After the intense silence and calm had rested on the concourse for a few moments, the stalwart J. C. Hail arose and read the last will and testament of the deceased. Then, as the last act of that solemn service, three mighty Juniors, with backs bent low under the load of huge fagots of wood, came up to the pyre and placed their burden upon it. The personified Junior Class, after speaking a few benedictory words, lighted the pyre and with bowed heads the mourners circled about the flames.

Wednesday. At 7:30 P. M. the juniors both present as well as ex-members of the Class of 1907, together with their guests, Deans Monin and Raymond and comptroller Smith, gathered around the banquet board at the Union restaurant. Dr. Gunsaulus could not attend. C. S. Henning, Jr., class president, officiated as toastmaster. H. W. Jones responded to the toast of "Our Class," H. R. Badger to one on "Our First Junior Week," and A. A. Kelkenney to "The Integral," the junior publication. The Deans and Mr. Smith each gave a short talk and left early, but it was after midnight before the boys scattered from one of the times of their lives.

Thursday. The college annual was to have been issued on this day but unavoidable circumstances did not permit. In the afternoon Armour defeated Northwestern University at baseball on Ogden Field.

Friday. At 8:15 P. M., the Glee and Mandolin Clubs gave their annual home concert in the assembly hall of the Mission. The four classes of the college and the fraternities had elaborately decorated the sections allotted to them. Bunting, ribbon, and electrical effects were used in the decorative scheme, which was very pleasing. The program presented by the musical clubs was one of their best efforts and met with hearty applause. For a half hour after the conclusion of the program, the institute buildings were lighted and those who wished were shown through them. The exhibit of The Camera Club, in the main hall, attracted much attention. At 10:30 P. M. a large crowd thronged the old gymnasium for an informal dance of twelve numbers. Lawrence furnished the music.

Here ended Armour's first junior week. Fortune had smiled on it with pleasant weather and a kindly attitude from all. Though a large task, it had been carried to a successful termination by the Class of 1907.

Second Annual Junior Week

May 13 to 18, 1907

Marshals

M. A. BUEHLER, First Marshal — J. S. TOWNSEND, Second Marshal

E. W. ADAMS, Third Marshal

Sub Marshals

A. A. DITTMAR — E. E. ANDREWS — A. W. EATON

A. J. EBNER — A. R. WEBB

Program

Monday, 10:30 A. M.

Assembly in Mission. Address by D. W. Hillis

Tuesday, 8:15 P. M.

'08 versus Math.

Wednesday, 7:00 P. M.

Junior Class Banquet at "Vogelsang's"

Thursday, 3:00 P. M.

Base Ball Game — Ogden Field

Friday, 3:30 P. M.

Track Meet — Ogden Field

8:30 P. M.

Junior Dance — Lakeside Club

Saturday, 1:30 P. M.

Base Ball Game — Ogden Field

8: P. M.

Armour Night at White City



GRADUATION WEEK



Class of 1906

Sunday, June 10, 1906
Baccalaureate sermon by Dr. F. W. Gunsaulus, Auditorium
Monday, June 11, 1906
President and Faculty reception to Seniors
Tuesday, June 12, 1906
Senior banquet at the "Union"
Thursday, June 14, 1906
Evening — Armour Mission
Tenth Annual Commencement of the College of Engineering
Address by Rev. Dr. Rufus A. White

Program of Exercises

ORGAN - - - - - - - - - - - - *Selected*

PROCESSIONAL

MARCH - - - - - - - - - - - - *Selected*

Mr. Bertram Smith Webber

VOCAL SOLO - - - - - - - - - - *Selected*

Mr. Daniel Protheroe

PRAYER

Rev. William A. Colledge, D. D.

VIOLIN SOLO - - - - - - - - - - *Selected*

Mr. Antonin Blaha

THE ANNUAL COLLEGE ADDRESS

Rev. Dr. Rufus A. White, Member of the Board of Education, Chicago

VOCAL SOLO - - - - - - - - - - *Selected*

Mr. Daniel Protheroe

CONFERRING OF DEGREES

BENEDICTION

RECESSIONAL

TUG OF WAR

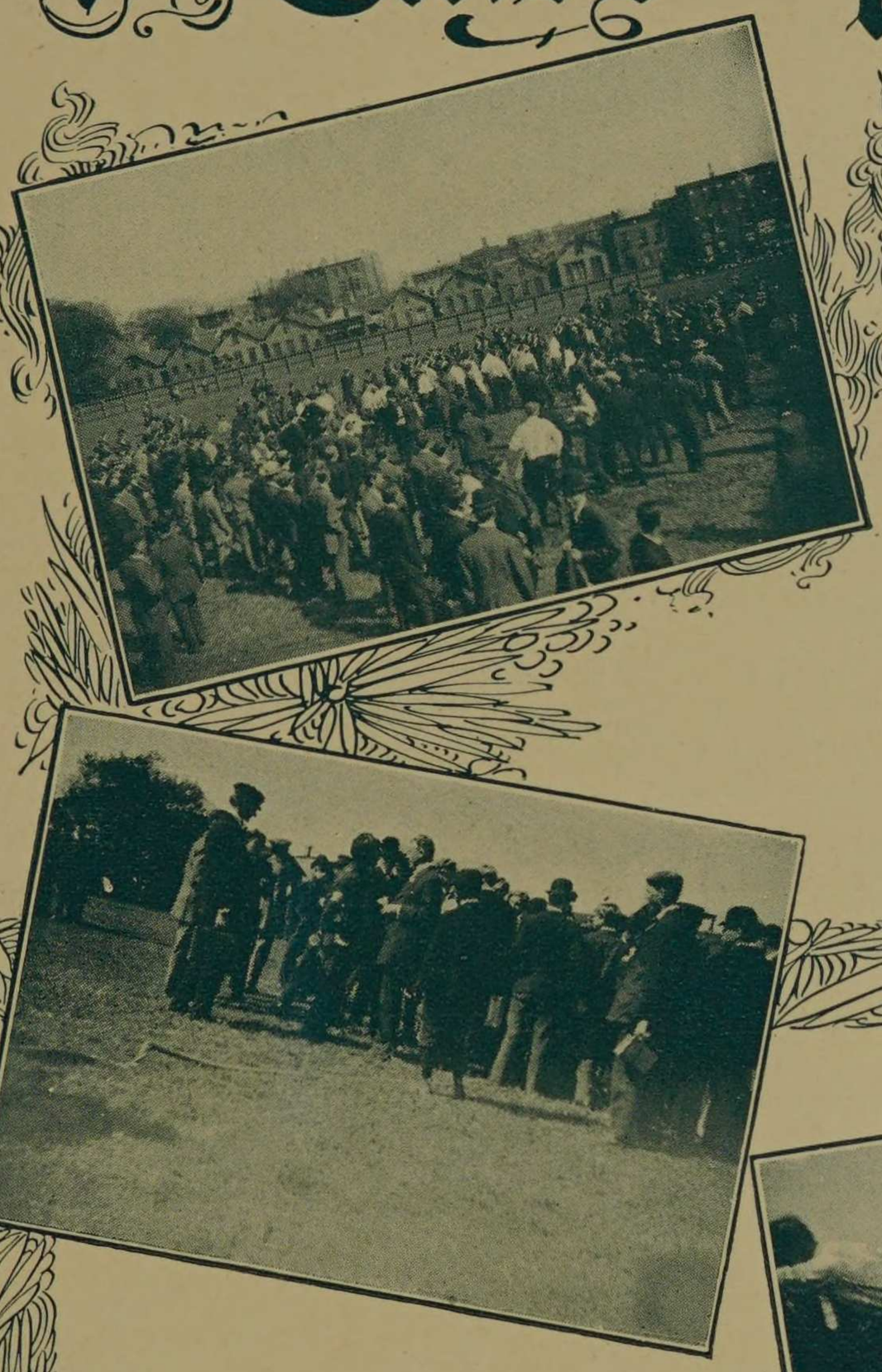


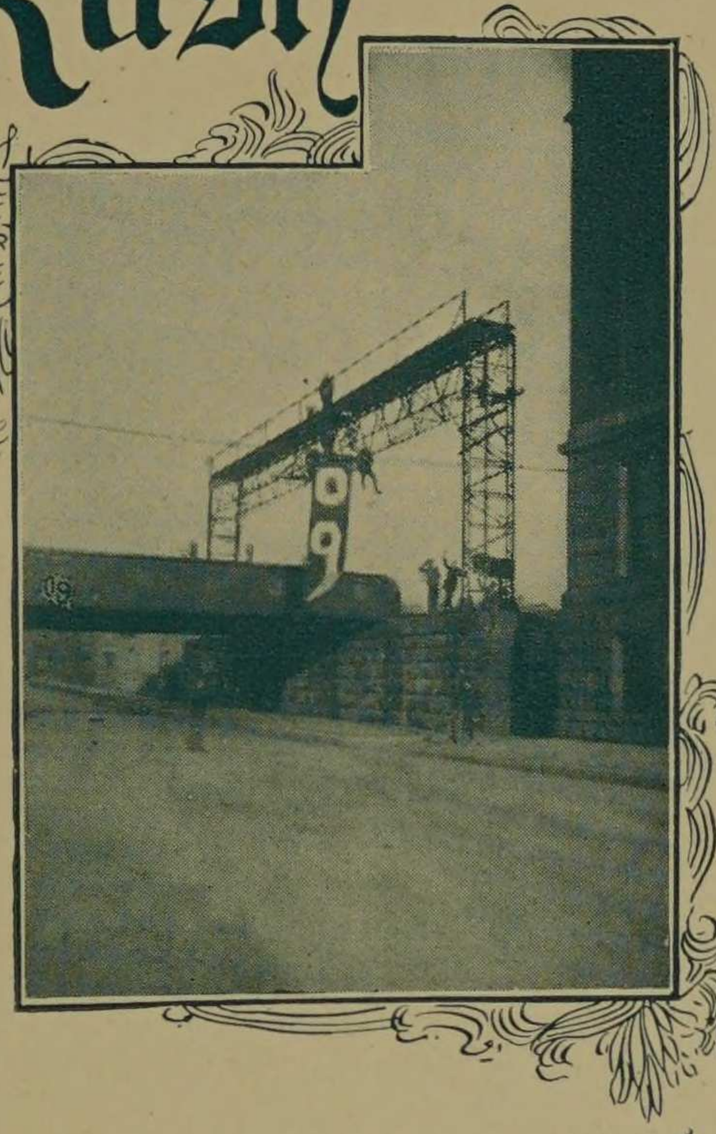
After the exciting and eventful morning of Tuesday, September 25th, 1906, the two lower classes, 1909 and 1910, lined up at 12:30 for the real event — the Rush — that was to initiate the new class into Armour life. However, the rush was not for them. The sophomores had a more gentlemanly method of rushing the freshmen than had been in vogue in the years prior to that date. As a substitute for the time-memorial rush, the gentle, parlor game, popularly known at Armour as a "Candy-pull" was instituted. This change to a tug-of-war was advocated by the faculty and adopted by the freshman and sophomore classes only after several heated meetings. The change, though not relished by the freshmen, gave that class the victory where the outcome of a rush might have been otherwise. In the tug-of-war, the sophomores would have had the advantage both of experience from the previous year and of knowing each other.

At 12:20, a three hundred and fifty foot rope, about two inches in diameter, was stretched through the middle of Ogden Field, but, while Dr. Gunsaulus was addressing the freshmen and sophomores, a few upperclassmen started down 33rd street with it. However with the heavy rope dragging after them, they were not spry enough for the wily little Scot, "Jimmy" Little, who stopped the hasty flight of the rope by wrapping one end of it around a patrol box. After its return the '09 Class made two attempts to show their superior (?) strength, but couldn't "make good." The Class of 1910 had things completely their way.

After the decision, the upper classes joined the warriors and the whole crowd played another famous parlor game, "Drop the Handkerchief." From this they progressed to the old reliable stunt of rolling hoops, but decided that that also was "too rough" and quit. As a substitute, the *men* then sat down in a circle to tell fairy tales. But after two had been told, it was decided that even fairy tales were "too rough" and as no one could think of a refined game to suggest, the party gradually broke up.

The Freshman-Sophomore Class Rush









M.F. Gilbert.



During the summer the institute offers a special session of six weeks length, for the purpose of allowing students who are deficient in certain studies, to make up the same, and also for affording an opportunity for teachers or special students to extend their knowledge along certain lines. Instruction is offered in any of the regular courses for which there are sufficient applicants. Circulars explaining the summer session in full may be obtained upon request.

The field work of the sophomore year in the Civil Engineering Department, is carried on in this summer session. This work is now required for graduation and is easily seen to have very beneficial results, as the students are better able to concentrate their minds upon some single subject which is important in their particular course. Last summer the camp was established near Waukazoo, Mich.

For the year 1906, the summer courses began upon June 25 and were closed upon August 3. Two hundred and twenty-one students attended these courses. Six foreign countries were represented by eight students and twenty-eight states of the Union were represented by two hundred and thirteen students. There were one hundred and forty-two students from the state of Illinois, while one hundred and nineteen of that number were from Chicago.

A LITTLE OF EVERYTHING

There Appears to Be Something Doing in the Windy City



Alas, My Pony

I had a little pony,
  Its color — dapple gray;
I lent it to a Senior.
  Who lived a mile away.

He liked it, he kept it,
  Which left me in the mire;
I wouldn't lend my pony now
  For all the Senior's hire.

He harnessed it so nicely
  Upon the next test day
And rode it to the race track
  Some few short blocks away.

And when the other ponies
  Assembled for the race,
They lined up in fine order
  Each one in proper place.

Their masters soon did mount them
  And at the proper sign
They darted off like arrows
  All keeping close in line.

The race was most exciting
  To all the people there,
Who did profess to know a thing
  'Bout ponies fine and rare.

But Oh, alas, my pony
  Quite startled did become;
He seemed to see a spectre,
  Which made him balk and run.

For down upon the race track
  There suddenly did come
A monster called a teacher,
  Who struck those ponies dumb.

They reeled and tottered earthward
  And all their riders grand
They cruelly dismounted,
  A mournful looking band.

N. M. M.



JUST AFTER AN ASSEMBLY

"Care to our coffin
Adds a nail, no doubt,
But every joke so merry
Draws one out."

Preparing for the Worst

Freshman (buying drawing instruments)—"What do you charge for thumb screws?"

Doubtful Doctrine for a Professor

Prof. Freeman, (to seniors)—"Series motors act much better when you have a load on."

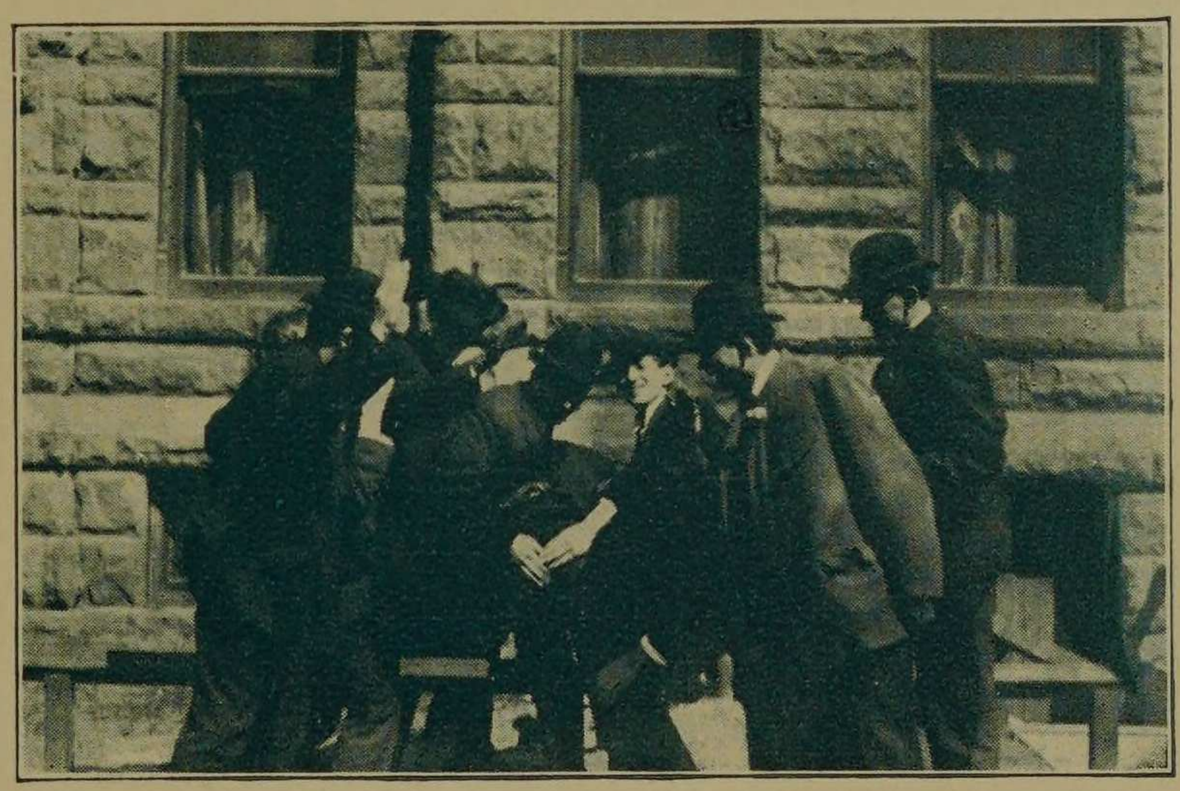
Which is Which

Prof. Sherger—"What were the good and the bad effects of the French Revolution?"

Mayes—"It abolished the worship of God and established the metric system."

Funny, Isn't It?

What would you think of such a large class as the freshman class picking such a small man as little Willie Hill for treasurer? No wonder their finances have been in such a terrible condition all year.



CELEBRATING ARONIAN'S BIRTHDAY



AFTER AN ARMOUR NIGHT AT WHITE CITY

Chance Shots at our Friends

Prof. Wilcox (in physics lecture) — "So far, gentlemen, I have told you nothing." And the class for once, agreed with him.

News has just been received that "Trink" has formed a trust at A. I. T.—A trust in God to get thru.

Did you notice Stillman? He has become an adept in wearing his hair in the theological fashion — a puff over one eye.

One of our distinguished seniors came to school with one shoe muddy and the other highly polished. It is rumored that he walked to school with one foot in the gutter to make some kind of a determination in connection with his thesis.

Friedlander smoked a cigarette the other day and, wonder of wonders, it didn't make him sick. Perhaps he was fooling us all the time.

"Chesty" Heyn now sports a pipe with a hog's head front. Don't the two faces go well together?

F. L. Thompson was discovered at a dance some time ago. Yea, verily, the '08 Fire Protects are becoming corrupted.

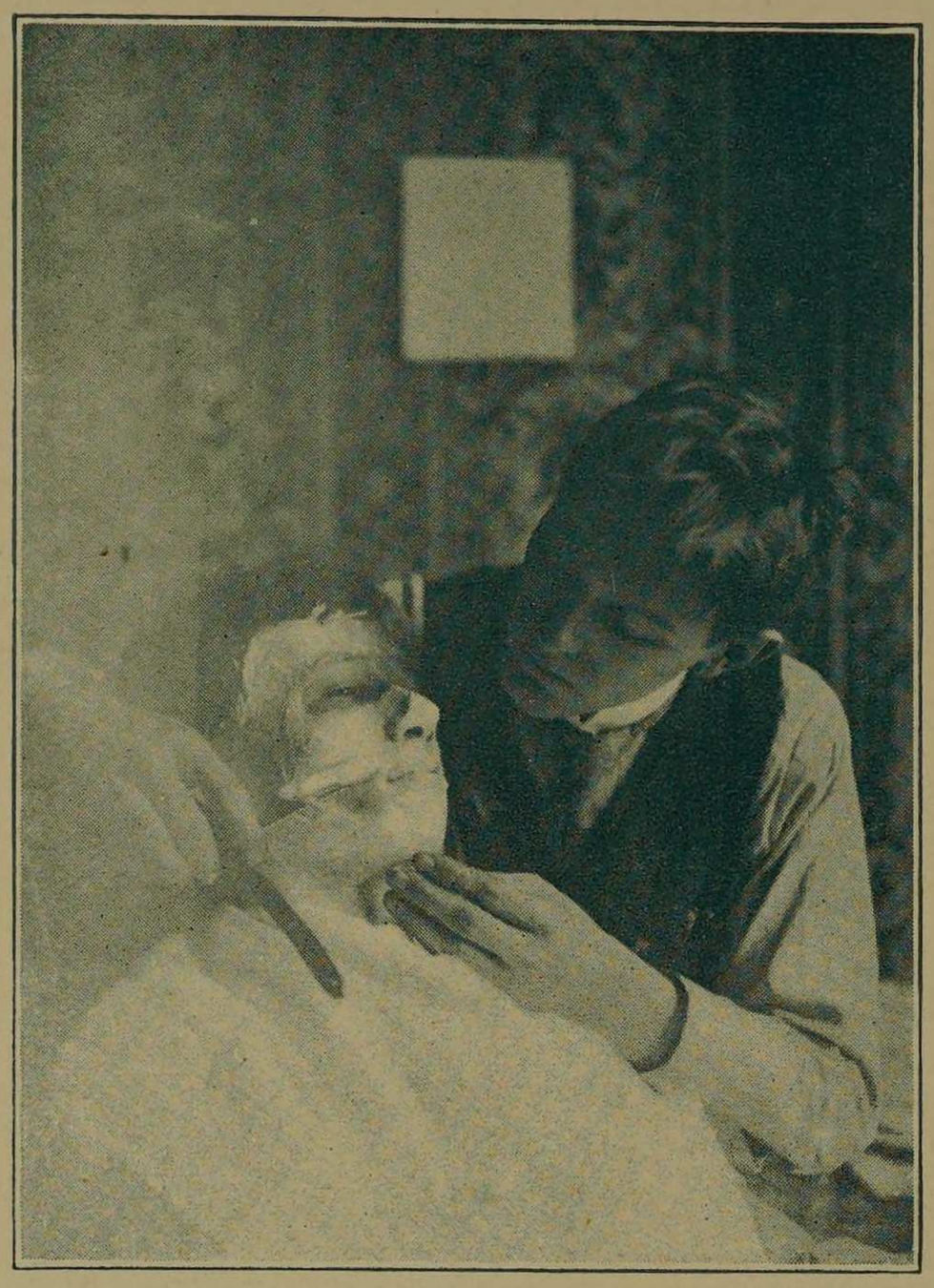
Did you ever see Chatain's shoes? Regular warships, but necessary to preserve equilibrium. However, he has been depressed lately and is now only six feet two inches high.

Master Arthur G. Geist has developed a smile which we can recommend to be the best on the market, as it surpasses even the celebrated Quaker Oats variety shown below.

Sidney James has at last shown signs of some day developing into an engineer. He was heard to say "D—" with the accent on the entire word.



THE QUAKER OATS BOYS



M. T. JONES STARTS A BARBER SHOP

He Bit

Dr. Colledge to Dr. Campbell — "I don't believe you can get any of that good old Scotch whiskey in this country."

Dr. Campbell — "Oh, yes you can."

Undeveloped Ability There

Townsend — "Mr. Leigh, I don't like this book."

Mr. Leigh — Well, why don't you write one for yourself? It certainly would be read from Towns-end to Towns-end.

An Error Corrected

Since the article on page 96 was written, it has been found that the silent "Arshetecks" have redeemed themselves. Were you at the Junior Banquet?

Depends on the Capacity

Prof. McFarland — "If I hold this end of the beam two feet from the floor, how much of a load have I?"

A New Way of Putting It

Prof. Shattuck — "Where is the frieze located?"

Seeger — "Well, I don't believe I can offer any suggestions on the subject today."

Rather Forgetful

Absent-minded Professor Coffeen
In a barber shop one day was seen
And the next hour, alas,
When he came into class
Without a collar he looked mighty green.

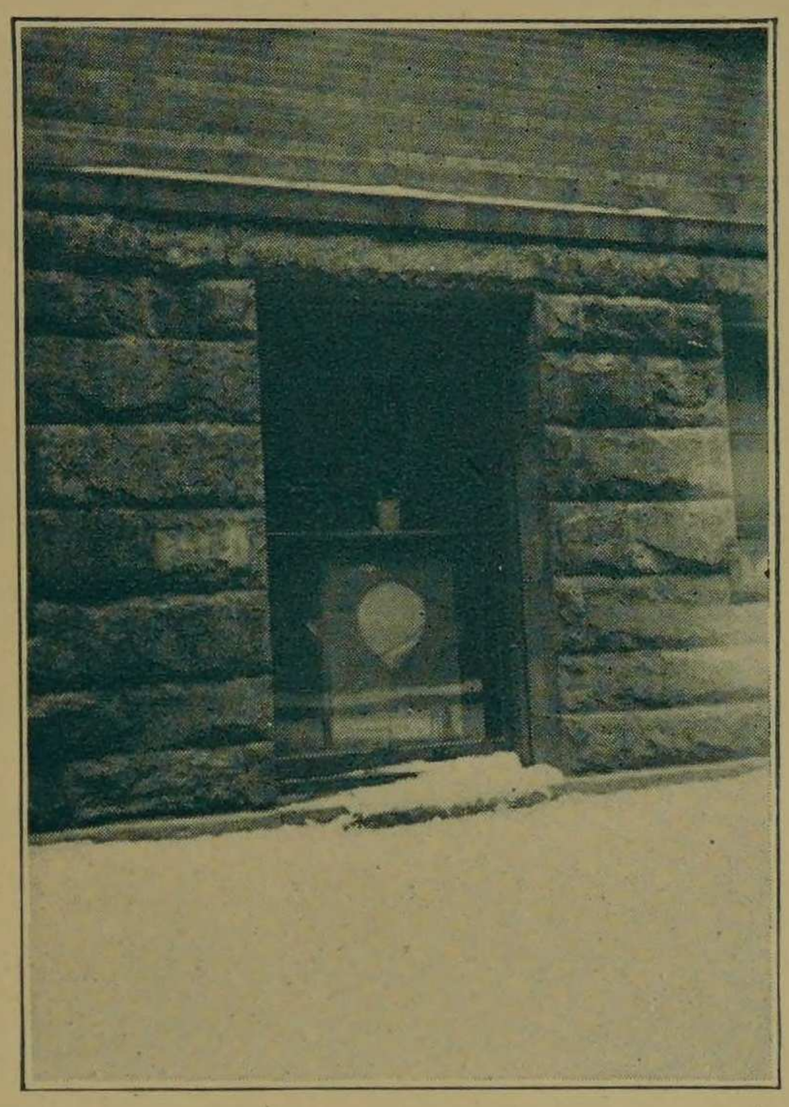
A Pocket Edition However

Clarkson — "I know the south side like a book, as far as Twenty-sixth street."

There was a young man named Chatain,
Who must have stood out in the rain,
For he grew like a weed,
And went right to seed,
And his feet grew ahead of his brain.

Undoubtedly

It is stated on the authority of the general manager of athletics that a cemetery makes a pretty stiff golf course.



FACULTY CLUB WINDOW
"THE MORNING AFTER"

Hardly

Dean Monin (to economics class) — "Is anyone present who is not here?"

Not Unlikely

Prof. Wilcox to "Ducky," '08 — "Mr. Holmes, what is work?"

Holmes — "I don't know, sir."

Perhaps Not

Trink — Well, Johnny, goin' to comb your hair this year?"

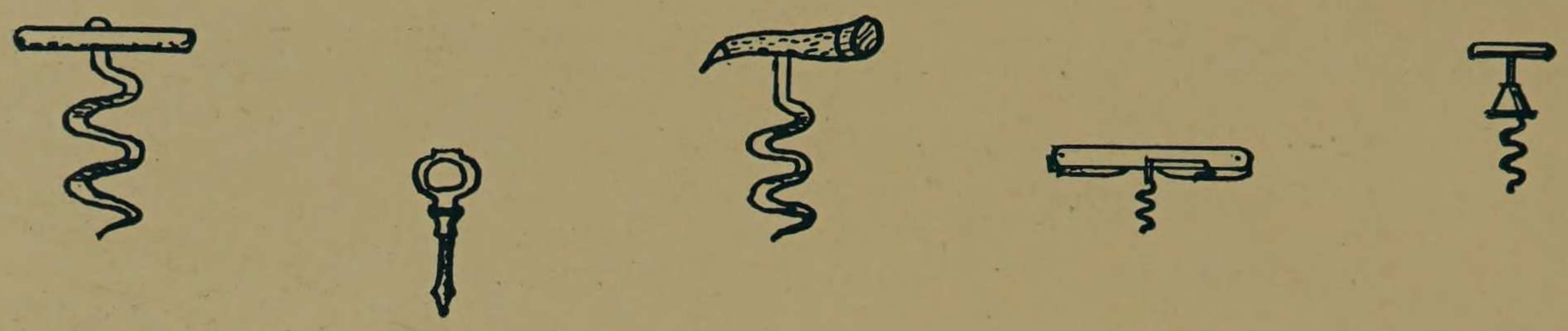
Johnny — "Nope, nothin' in it."

Quite So

Prof. Wilcox — "Devil(le) has done some excellent work in heat, in fact we always associate his name with high temperatures."



THE LEANING TOWER
OF ARMOUR



Berger's Drawing Instruments.

Adapted Quotations

"A horse, a horse. My kingdom for a horse."—Trink in Graphics.

"He that thinks so little and talks so much."—Menkin.

"'Twas ever thus in childhood hours."—Frisbie.

"He was of lean body and visage."—Parry.

"Knowledge is proud, it knows so much" (Wilcox); "wisdom is humble, it knows no more" (Monin).

"Abolish fear (Pollack) and you can accomplish whatever you wish."

"I'm a man more sinned against than sinning."—General Manager of Athletics.

"Men must endure their coming hence, as their going thither."—Freshmen and Seniors.

"A hand full of common sense is worth a bushel of learning."—The Faculty.

"Let it rest! No one will think of it again."—Calculus.

"Woman is only one of nature's agreeable blunders."—Packer.

"Work is sweet." "Sweets for the sweet." Therefore work must be meant for Joseph Monahan and John Selby Townsend.

"I'm hot on their trail."—Austin Crabbs.

"A very shower of beauty is thy earthly dower."—Stanton, '07.

"I do profess to be no less than I seem to be."—"Ted" Ellett.

"I have an eye for she that's fair."—A. C. Taylor.

"I was not so foolish even then."—"Ted" Ellett.

"Absence makes the heart grow fonder."—Armour Institute.

"There will be some as usual."—Flunks.

"Little rogues easily become great ones."—Cribbers.

"I take pleasure in singing."— Buehler.

"What's there in a name?"— Aronian.

"The hearing ear and the seeing eye."— The Faculty.

"They shout for joy, but never sing."— The Glee Club.

"Did nothing in particular and did it well."— Urson.

"Daughter of the Gods, divinely tall and most divinely fair."— Packer, '08.

"Why God should e'en permit such things."— Physics.

"It will be but a momentary pain."— Text in Calculus.

"By a route obscure and lonely."— To Civil Drafting Room.

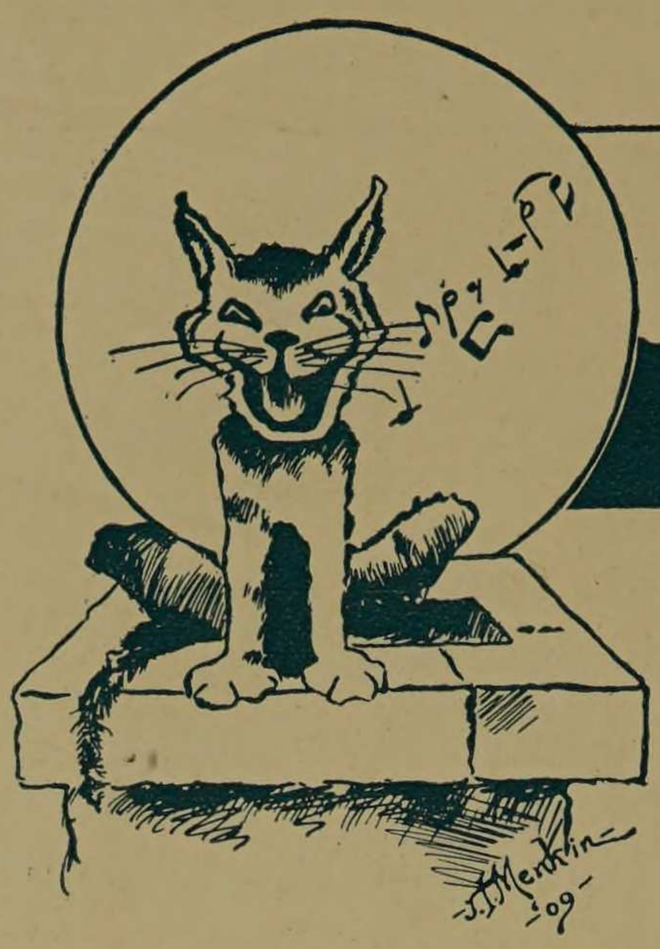
"When I had spoken half an hour I had told them all I knew in the world."
— Wilcox.

"How green you are, and fresh."— Standish, Bowman, and Fletcher.

"Ye Gods and little fishes."— Seniors and Freshmen.



MAKING UP THE SCORE BOOK IN AN INTERCLASS TRACK MEET



THE CHORAL SOCIETY

The cats which once did stroll around
Are here no longer to be found,
For what was once a nightly pest
Ranks, as a Glee Club, with the best.

"What shall I do to be forever known?"—H. Ralph Badger.
"Cut and come again."—Howard.
"As destinies decree."—Reports.
"Go little bookie! Go my little tragedie!"—Calculus.
"Vile intercourse, where virtue has no place."—'07 Class Meeting.
"Man was made to grow, not to stop."—Parry, '08.
"If at first you don't succeed, try, try again."—Physics and Calculus.
"Such as once in hell was sung."—Quartette at Freshman Smoker.
"Better late than never."—Stillman, to Classes.
"He thinketh himself marvelously clever."—Dr. Campbell.
"All the world loves a lover."—Holmboe.
"He that has no courage must have legs."—The Track Team.

"Disguise our bondage as we will,
'Tis woman, woman, rules us still."—A. C. Taylor

"But if we meet in distant years or on a foreign shore,
I well can take my Bible oath, 'I've seen that face before."—Phillips.

"'Tis an old maxim in the schools,
That flattery's the food of fools;
And if our teachers thus we nourish,
High marks for us will grow and flourish."

"It is wisdom to bear with evils we cannot remedy; but the greatest folly to clamour against them."—The $1.50 athletic fee for football.

"No ear can hear; no tongue can tell
The tortures of that inward hell."—Chem. Lab.

"'Tis remarkable that they,
Talk most, that have the least to say."—Wilcox.

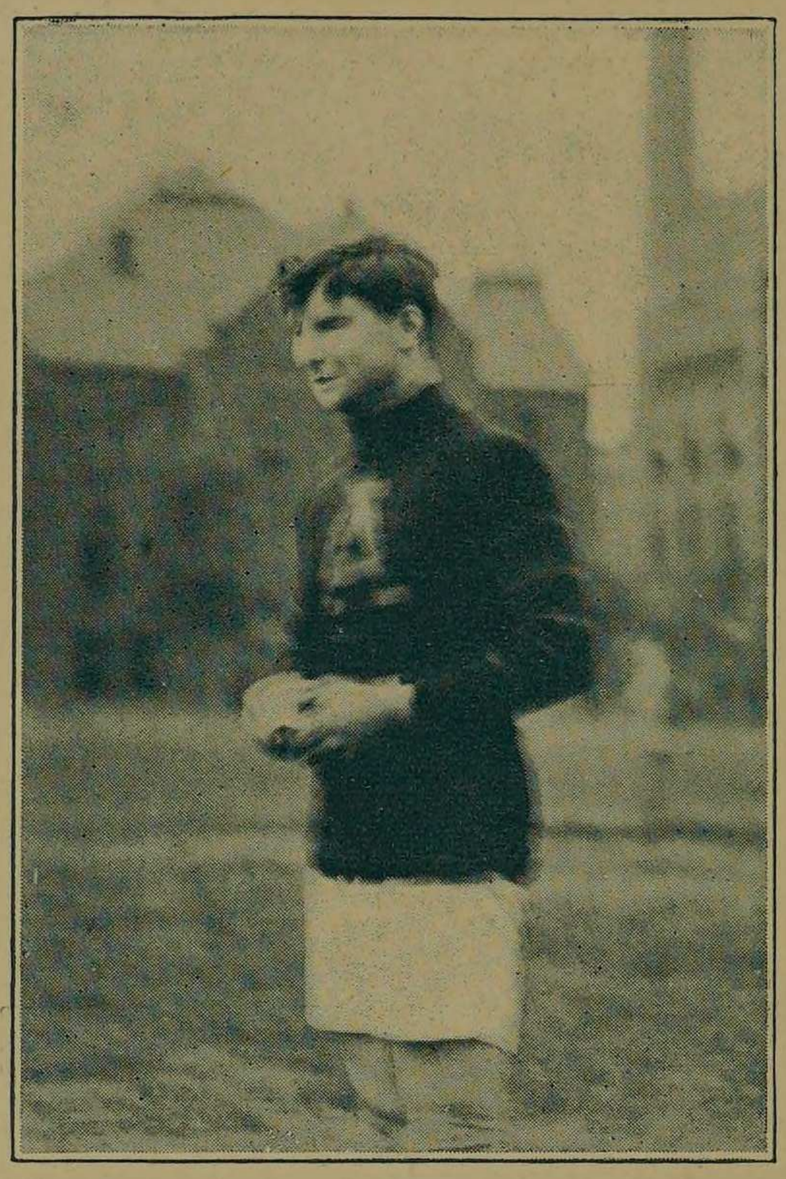
"Though this may be play to you,
'Tis death to us."—Physics.

"How few there are who really think,
Among the thinking few.
The others do not think at all.
They only think they do."

AT A COLLEGE BASE BALL GAME



SHOWING THE MANAGER OF THE TEAM AND HER ASSISTANT



FROM A RARE OLD PAINTING

On The Trail of Armour Demon Athletes

It was in the summer of 1919 that I had occasion to visit Chicago, and as I was working at that time on my since celebrated book, "Baseballists of the Past" and remembered hearing of the famous battery of 1906-07-08 at Armour's Institute, I decided to look up these two men in the hopes of getting some good material for my book. I experienced no difficulty in locating them, as the first policeman I asked was able to give me the desired information and directed me to the home of "Billy" Trinkaus, Jr.

I found him sitting on the front steps peacefully smoking while his wife was just starting out for her day's work. As soon as I had explained that I myself had been somewhat of an athlete at Prairie Grove College, I was received most cordially and offered a cigar, for which I considered myself most honored. I at once explained my mission.

"Now," said I, "if you are anxious to get to work, don't let me keep you as I can get back to talk to you a little while this evening.

"You nearly insult me, sir," he answered, "by using the term anxious in such a connection, but I will overlook the matter this time.

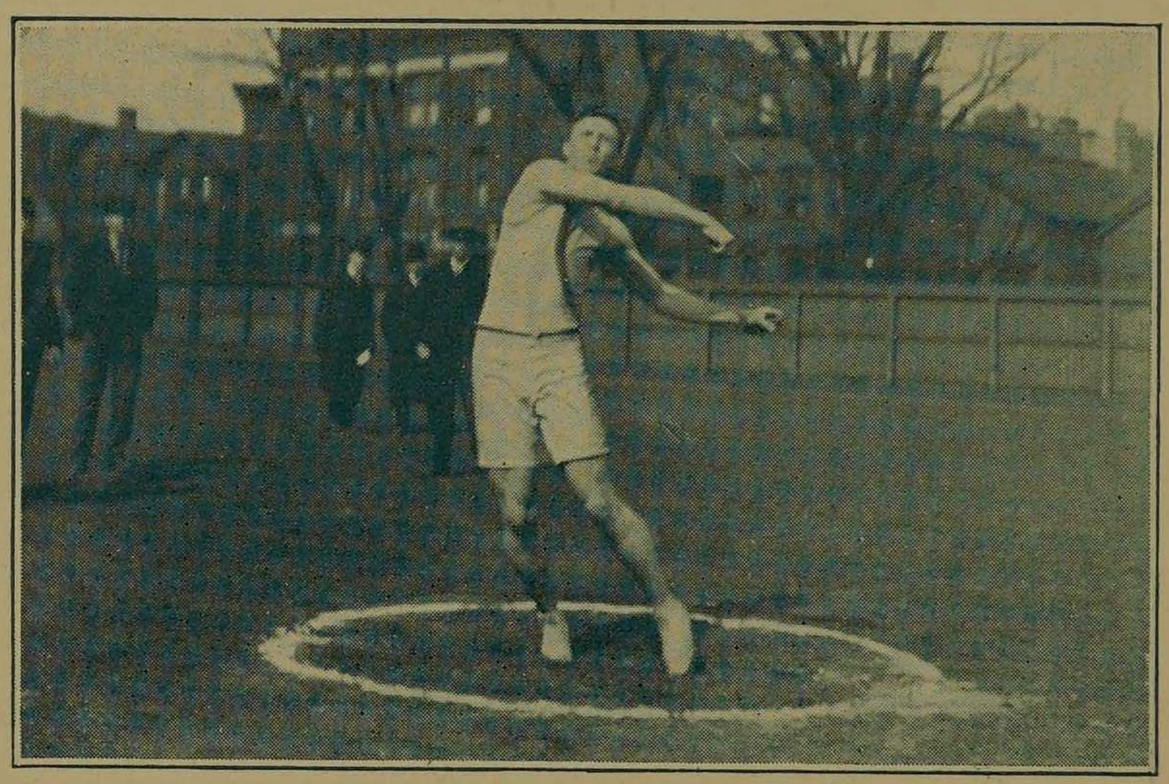
"My wife is a stenographer, and I find I can live quite comfortably on the seventy-five per which she earns."

"Do you ever think of going into base ball again?" I asked.

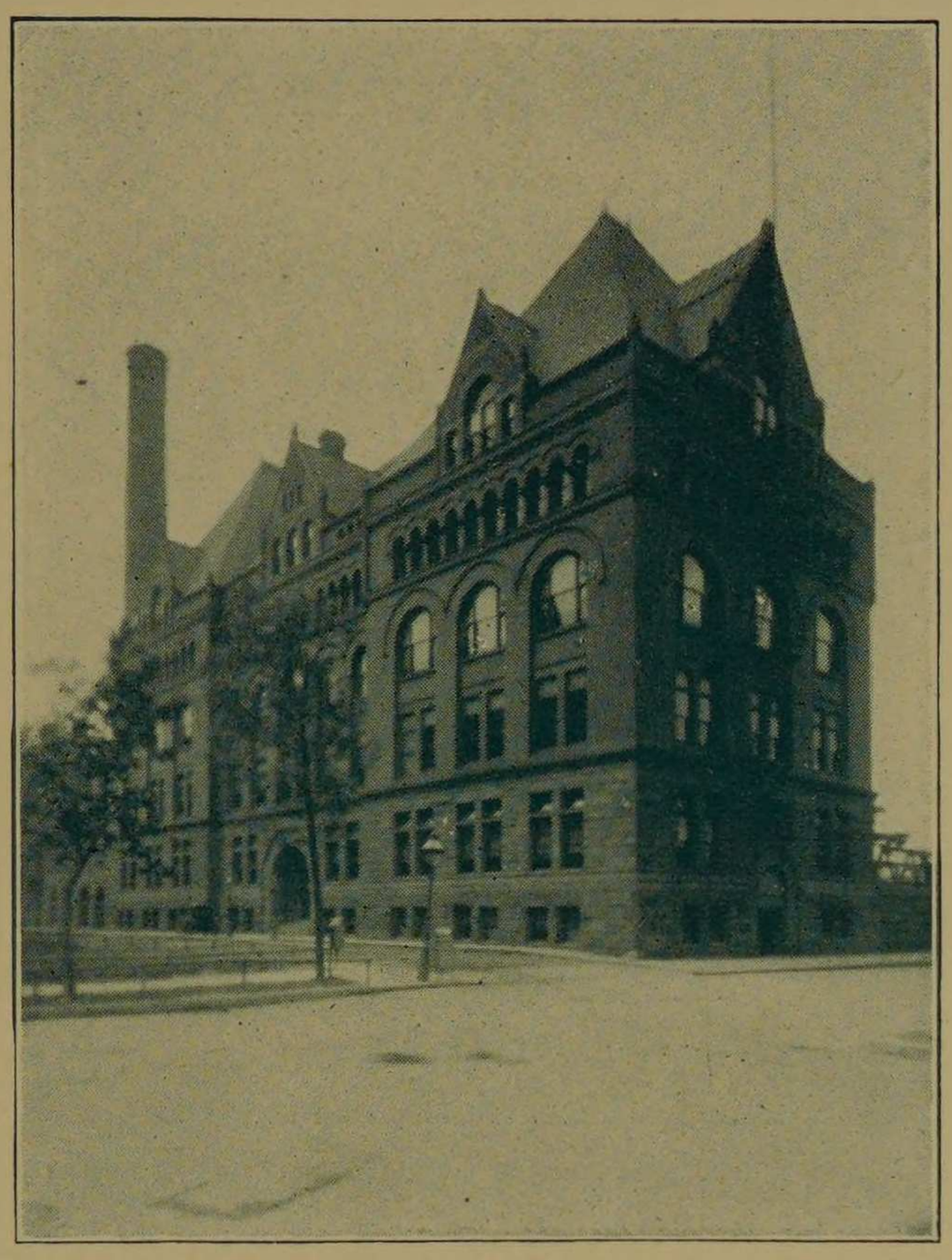
"No," he said, "I feel that I am too old for that sort of thing any more."

"Can you tell me any incidents in your career to use in my book?" was my next question.

"Well, if you really want something important," and his chest swelled out proudly, "you might mention that I earned an 'A' in all departments of athletics."



WHIPPLE THROWING THE HAMMER
INTERCLASS MEET



A PINHOLE PICTURE BY M. T. JONES
EXPOSED ONE HALF HOUR

"'A,' I suppose, stands for Armour's Institute," I remarked.

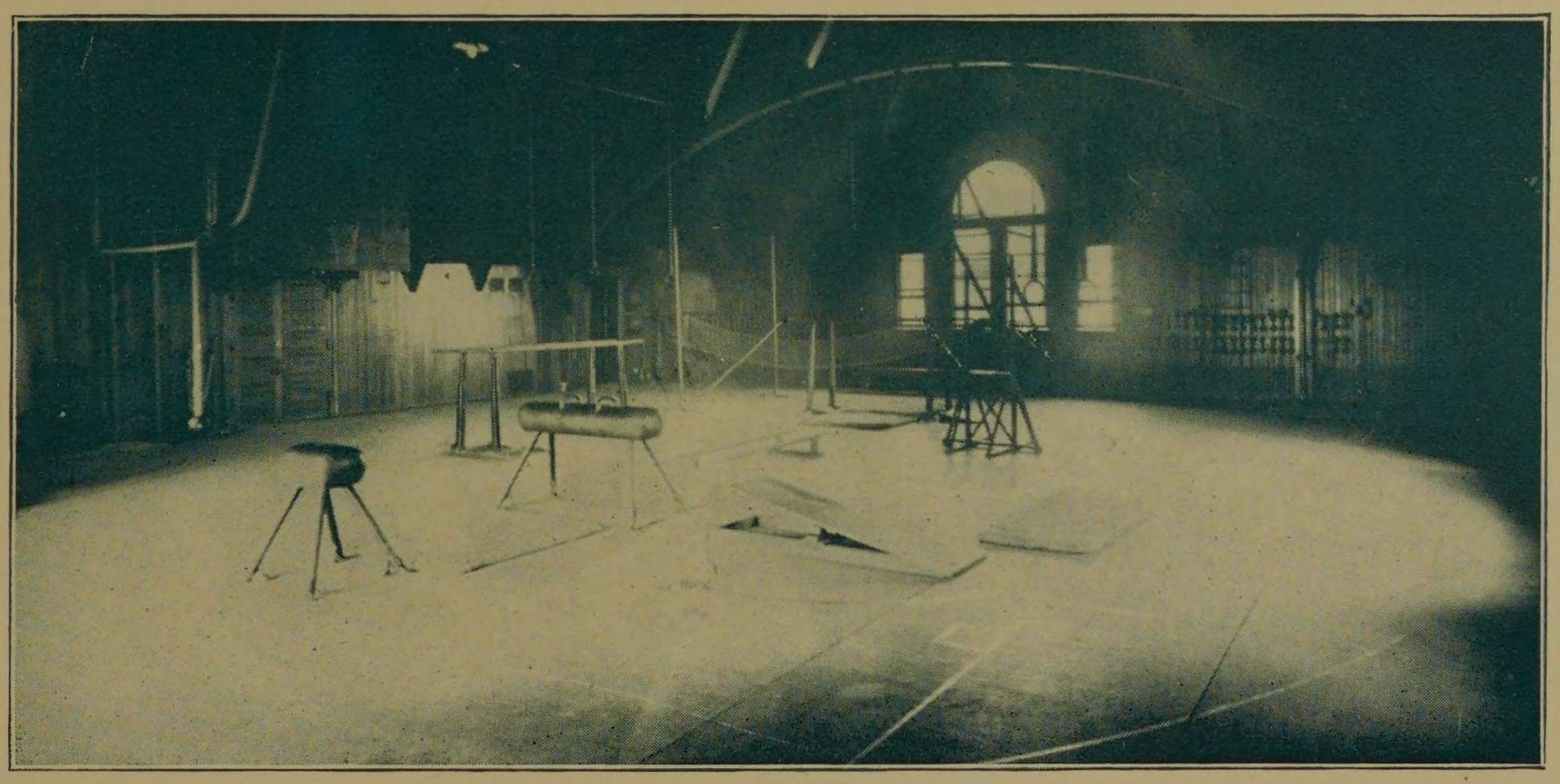
"I see," he replied, "that you make the mistake which I used to get sore at people for when I was in school. Please refer to my Alma Mater as Armour Institute of Technology without the apostrophe 's' on the first word."

I humbly begged his pardon and asked if he could direct me to the home of his famous catcher, Hallam Smith.

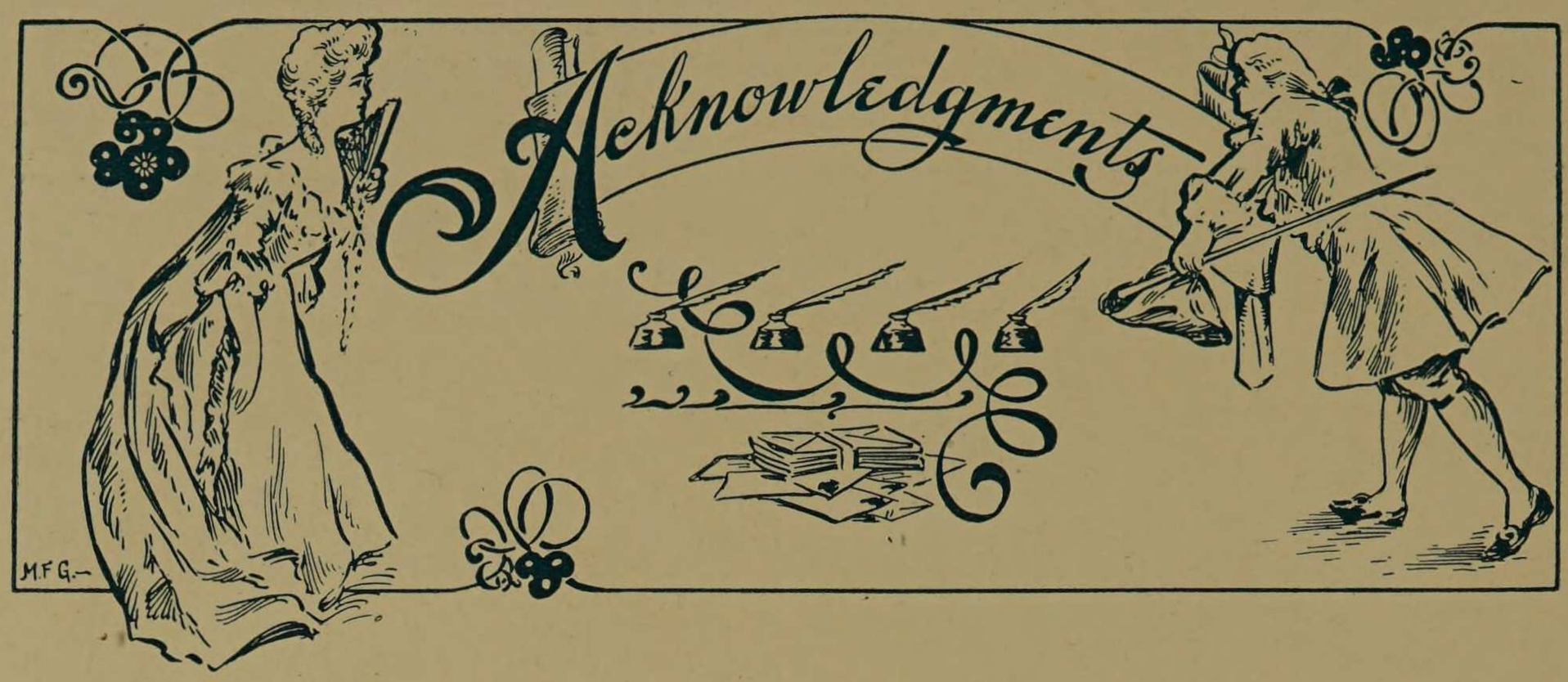
"Yes," he said, "you take the Northwestern train to Honey Glenn. He lives in the same house where he was born. The metropolis used to be called Sugar Grove but was changed to Honey Glenn as being more euphonious. However, it may take you a long time to get there as the trains sometimes run only every other day."

As I did not have much time to spend I asked Trink to tell me Hallam's greatest peculiarity.

"Well," he said, "Hal was such a funny boy that it is really hard to name his greatest peculiarity, but the thing which always seemed the strangest to me was to see him eat sweet potatoes with one hand and ice cream with the other at the same time and really enjoy them."



A CORNER OF THE GYMNASIUM



To Miss Mae F. Gilbert for her excellent work in illustrating this book, we wish to offer our sincere thanks. We wish to thank our advertisers for their kind assistance and also those who have in any way whatever helped in this work, especially the following:

Dean Raymond
Mr. F. U. Smith
Dr. Gunsaulus
Dean Monin
Mrs. J. A. Beveridge
Professor Shattuck
Professor Phillips
Professor Campbell
Dr. Colledge
Assoc. Prof. Wells
Asst. Prof. Coffeen
C. O. Frary
Kendrick Harger
H. Ralph Badger
A. A. Kelkenney
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STATISTICS



Institute Calendar

1906

Spring Term

April 2	Monday	Registration Day.
April 2	Monday	Evening Classes Begin.
April 3	Tuesday	Spring Term Begins.
May 30	Wednesday	Memorial Day, a Holiday.
June 8	Friday	Evening Classes End.
June 14	Thursday	Commencement Exercises.
June 15	Friday	College Year Ends.

Summer Term

June 18	Monday	College and Academy Entrance Examinations.
June 25	Monday	Summer Courses Begin.
August 3	Friday	Summer Courses End.

Autumn Term

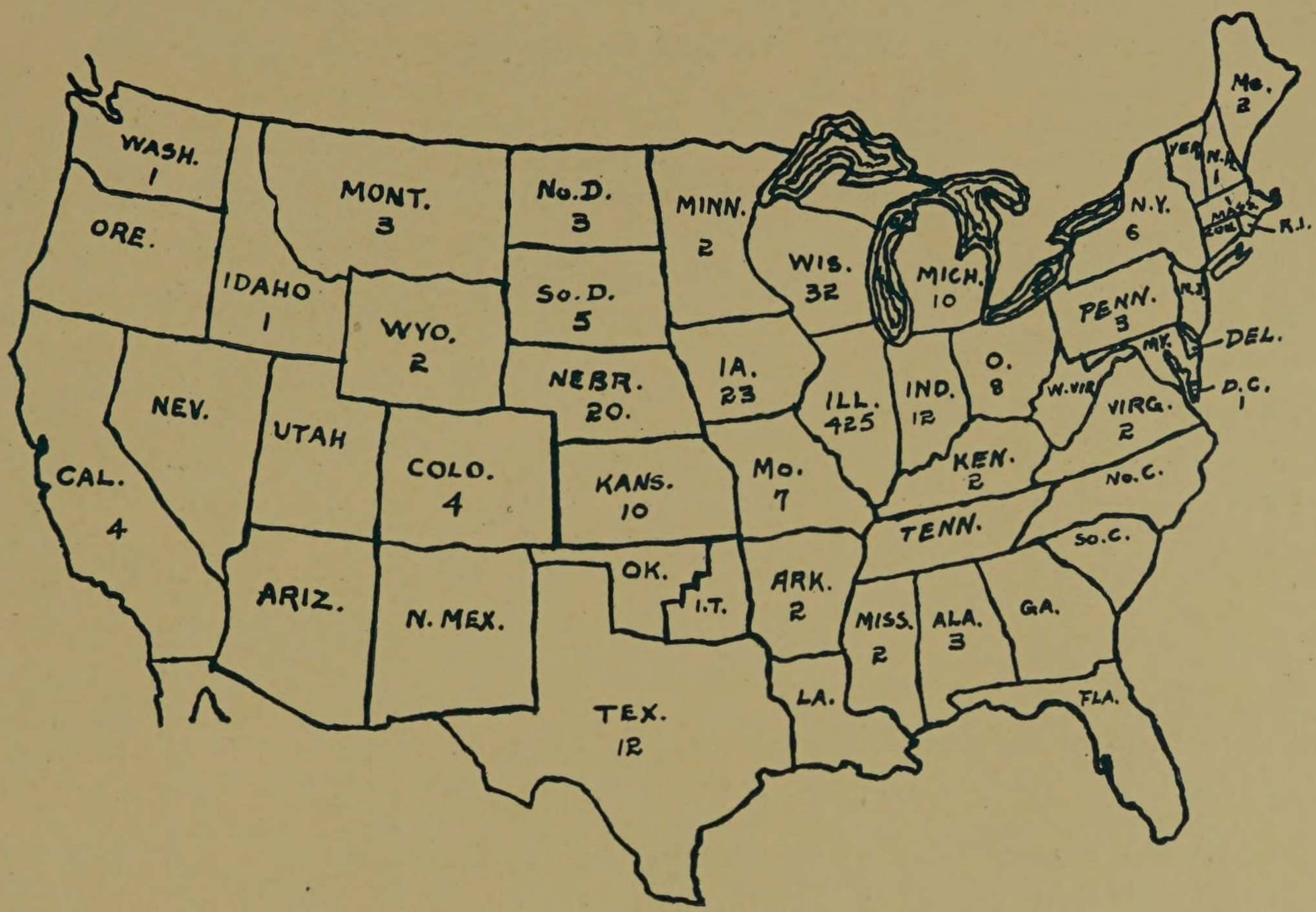
September 6	Thursday	College and Academy Entrance Examinations.
September 17	Monday	Registration Day.
September 18	Tuesday	College Year Begins.
October 1	Monday	Evening Classes Begin.
November 29-30	Thursday and Friday	Thanksgiving Holidays.
December 7	Friday	Evening Classes End.
December 14	Friday	Autumn Term Ends.

1907

Winter Term

January 2	Wednesday	Registration Day.
January 3	Thursday	Winter Term Begins.
January 7	Monday	Evening Classes Begin.
February 12	Tuesday	Lincoln's Birthday, a Holiday.
February 22	Friday	Washington's Birthday, a Holiday.
March 15	Friday	Evening Classes End.
March 22	Friday	Winter Term Ends.

Residence of Undergraduates



Students from Foreign Countries

Attending College

New Zealand	3	Canada	1
Philippine Islands	2	Sweden	1
Russia	2	Turkey	1
Australia	1	Italy	1

Nine countries represented by 13 students.
Thirty states of the United States represented by 608 students.
Total in the college, 621.

Attending Academy

England	1	Mexico	1	Russia	1

Three countries represented by three students.
Sixteen states represented by 266 students.
Total in the academy, 269.

Summary of Attendance

1906-07 College

Course	Seniors	Juniors.	Sophomores.	Freshmen	Special	Apprentices	T'l
E. E.	30	32	53	77	...	...	192
C. E	21	29	30	56	...	..	136
M. E.	20	30	23	50	...	...	124
Ch. E	13	10	11	12	...	...	46
Arch.	1	9	13	48	...	...	71
F. P. E.	3	2	3	1	...	...	9
Special	..	...	...	...	40	...	40
Apprentices	..	...	...	...	...	3	3
Totals	88	111	133	236	40	3	621

Academy

1st Year	81	3rd Year	83
2nd Year	90	Special	15

Students in the College of Engineering	621
Students in the Scientific Academy	269
Students in the Evening Classes	799
Students in the Summer Courses	221
Total	1910
Deduct Names counted Twice	41
Net Total	1869

Summary of Instructional Staff

	1904–05	1905–06	1906–07
Professors	12	14	12
Associate Professors	8	12	14
Assistant Professors	8	4	10
Instructors	27	30	21
Assistants	19	24	26
Lecturers	21	17	22
Total	95	101	105

Graduates of the College of Engineering by Courses and by Years

Class	M. E.	E. E.	C. E.	Ch. E.	F. P. E.	A. 4-yr.	A. 2-yr.	Total
1897	5	15	..	..	..	..	..	20
1898	1	12	..	..	..	2	..	15
1899	12	20	..	..	..	3	3	35
1900	3	14	1	..	..	..	4	22
1901	4	9	..	1	..	..	..	13
1902	9	17	3	2	..	2	5	37
1903	8	16	6	2	..	..	..	33
1904	11	15	6	2	..	1	..	34
1905	13	21	7	5	..	1	..	47
1906	21	18	15	8	4	4	8	78
Total	82	157	38	20	4	13	20	334

M. E.— Mechanical Engineering.
E. E.— Electrical Engineering.
C. E.— Civil Engineering.
Ch. E.— Chemical Engineering.
F. P. E.— Fire Protection Engineering.
A.— Architecture.

Summary of Registration for College

Year	Registered	Graduated	Percentage of those who entered that graduated with same class
1893	252	..	..
1894	111	..	..
1895	154	..	..
1896	158	..	..
1897	144	20	..
1898	134	15	..
1899	178	35	..
1900	228	22	..
1901	353	13	50.
1902	422	37	80.
1903	493	33	69.
1904	591	34	39.
1905	616	47	40.1
1906	621	78	
Total	4457	Total 335	Average 55.6



COLLEGE

NAME	COURSE	YEAR	ADDRESS
Abraham, Sam	Arch.	10	1637 Michigan Ave., Chicago.
Adams, E. W.	E. E.	08	Washington, D. C.
Adler, Charles	Sp.	Sp.	255 N. Franklin St. Chicago.
Adler, William S.	Sp.	Sp.	255 N. Franklin St., Chicago.
Ahern, John F.	F. P. E.	9	Kankakee, Ill.
Ahlschlager, Walter	Arch.	10	1458 N. California Ave., Chicago.
Alderson, H. B.	E. E.	8	Devils Lake, N. D.
Alling, Claude R.	F. P. E.	7	Evanston, Ill.
Ambrose, Roy	M. E.	10	6437 Starr Ave., Chicago.
Anderson, Alfred E.	Sp.	10	2088 W. Congress St., Chicago.
Anderson, C. M.	App.	Sp	Chicago Heights, Ill.
Anderson, Arthur G.	C. E.	9	428 34th St., Chicago.
Anderson, M. J.	E. E.	8	3336 Dearborn St., Chicago.
Anderson, Victor S. E.	Sp.	Sp.	7422 Noble Ct., Grand Crossing, Chicago
Andrews, Ellis E.	Ch. E.	8	3549 Prairie Ave., Chicago.
Aram, Walter	Arch.	10	Chicago.
Aronian, Zarah	E. E.	9	Smyrna, Turkey in Asia.
Aurelius, S. J.	M. E.	9	Pullman, Chicago.
Austin, John L.	M. E.	10	Corning, N. Y.
Aymar, John W.	C. E.	10	Hyde Park Hotel, Chicago.
Badger. H. Ralph	E. E.	7	Syracuse, N. Y.
Badger, L. H.	E. E.	7	Niles, Mich.
Baer, Walter J.	M. E.	10	3135 Vernon Ave., Chicago.
Bailey, Clarence C.	M. E.	10	Newton, Kas.
Baiari, William P.	Arch.	10	Calumet, Mich.
Baldauf, A. J.	Sp.	Sp.	Oskaloosa, Iowa.
Ballagh, J. C.	Ch. E.	9	Rolling Fork, Miss.
Banning, T. A., Jr.	E. E.	7	Wheaton, Ill.
Barrett, Dwight O.	M. E.	8	3619 Forest Ave., Chicago.
Barrows, Frank E.	Ch. E.	10	Augusta, Me.
Bassett, J. B.	E. E.	9	4425 Ellis Ave., Chicago.
Baughman, I. N.	M. E.	10	Marseilles, Ill.
Beaty, E. M.	E. E.	8	Blair, Neb.
Beckman, Herman E.	C. E.	9	Naperville, Ill.
Belding, Harlow H.	M. E.	10	West Chicago, Ill.
Bellas, Charles	Arch.	10	365 E. Superior St., Chicago.
Benson, O. R.	E. E.	9	Girard, Kan.
Bentley, Percy D.	Arch.	10	La Crosse, Wis.
Bergbom, Arthur L.	C. E.	10	1508 N. Talman Ave., Chicago.
Berger, L. T.	Arch.	8	2231 Calumet Ave., Chicago.
Bexton, Louis N.	E. E.	9	Omaha, Neb.
Binder, George	E. E.	8	Earlville, Ill.
Blake, Lawson	E. E.	10	2352 Lexington St., Chicago.
Bliss, Harold D.	M. E.	8	6208 Jefferson Ave., Chicago.
Bliss, William C.	App.	Sp.	3565 Grand Blvd., Chicago.
Blosser, Owen C.	Arch.	10	Ada, Ohio.
Blumenthal, E. A.	E. E.	7	301 Mohawk St., Chicago.
Blumberg, M. D.	Sp.	Sp.	Chicago.
Boal, A. D.	Ch. E.	10	Hinsdale, Ill.
Boehmer, Alex. H.	M. E.	7	Wheeling, Ill.
Bogan, William J.	Sp.	Sp.	1400 Rokeby St., Chicago.
Bolte, Edw. C.	M. E.	10	3757 Ellis Ave., Chicago.
Botteron, Clarence I.	Arch.	8	Ft. Wayne, Ind.
Boughton, N. J.	M. E.	8	Plainfield, Ill.
Bouslough, R. W.	E. E.	9	Aurora, Ill.
Bovard, Wm. Z.	Arch.	10	420 34th St., Chicago.
Bowman, Cyrus S.	M. E.	10	Omaha, Neb.
Bowman, D. W.	Arch.	10	Kearney, Mo.
Boyle, Clarence, Jr.	M. E.	10	6042 Monroe Ave., Chicago.
Brant, Paul	M. E.	10	5812 Wabash Ave., Chicago.
Bremers, H. J., Jr.	E. E.	8	Fremont, Neb.
Brinkman, P. P.	C. E.	10	Mobile, Alabama.
Bristol, G. C.	C. E.	10	11703 LaFayette Ave., Chicago.
Bristle, Joseph H.	Arch.	10	1056 Bryn Mawr Ave., Chicago.

COLLEGE—Continued.

NAME	COURSE	YEAR	ADDRESS
Bronson, F. A.	Sp.	Sp.	3236 La Salle St., Chicago.
Bruce, Wm. C.	M. E.	10	Blue Island, Ill.
Buck, Glenn W.	C. E.	10	6430 Green St., Chicago.
Buck, S. H.	C. E.	10	90 E. 22d St., Chicago.
Buckett, A. C.	Arch.	9	5333 Indiana Ave., Chicago.
Buehler, Martin A.	E. E.	8	2306 Cottage Grove Ave., Chicago.
Buell, Roy O.	M. E.	8	93 33d St., Chicago.
Bunge, Louis W.	M. E.	10	Oak Park, Ill.
Bunker, Ralph	Arch.	9	Sabetha, Kan.
Burge, G. C.	M. E.	8	Nashua N. H.
Burkholder, Fred L.	C. E.	7	Pittsburg, Pa.
Burr, C. S.	E. E.	9	9372 Longwood Ave., Chicago.
Busse, C. F.	M. E.	8	924 Rosemont Ave., Chicago.
Byers, A. A.	M. E.	10	Thornton, Ill.
Cahan, James	C. E.	8	Warsaw, Russia.
Calvin, John, Jr.	E. E.	10	Meadville, Pa.
Calhoun, James R.	E. E.	10	5729 Monroe Ave., Chicago.
Campbell, E. E.	E. E.	7	Tolar, Texas.
Carlock, Fred M.	C. E.	10	6032 Greenwood Ave., Chicago.
Carlson, J. W.	M. E.	10	258 Walnut St., Chicago.
Carmody, T. J.	E. E.	10	4619 Vernon Ave., Chicago.
Cerny, James	C. E.	8	1393 W. 22d St., Chicago.
Cayne, J. H.	Arch.	10	Chicago.
Chamberlin, E. W.	C. E.	9	348 39th St., Chicago.
Chambers, Frank A.	M. E.	7	5449 Woodlawn Ave., Chicago.
Chambers, Guy A.	E. E.	9	New Zealand.
Chambers, Harold C.	Arch.	9	Montpelier, Ind.
Chandler, Fred E.	Sp.	Sp.	Dixon, Ill.
Chapman, Ray O.	Ch. E.	10	5842 Rosalie Ct., Chicago.
Chatain, Paul E.	Ch. E.	8	4538 Lake Ave., Chicago.
Chesley, Samuel L.	M. E.	10	Fargo, N. D.
Clarke, G. L.	E. E.	10	Bessemer, Mich.
Clarke, Leslie D.	Arch.	10	Freeport, Ill.
Clarke, Fred	E. E.	7	Rock Island, Ill.
Clarkson, W. G.	Arch.	10	Texas.
Clausen, H. W.	Sp.	Sp.	Chicago.
Coddington, Charles	Arch.	10	Wisconsin.
Coddington, Roy	Arch.	10	Wisconsin.
Coen, Alban W.	Arch.	10	5035 Evans Ave., Chicago.
Cohan, Bernard M.	Sp.	Sp	451 S. Canal St., Chicago.
Cole, Victor	C. E.	10	7057 Normal Ave., Chicago.
Collins, Frank C.	E. E.	8	428 Summerdale Ave., Chicago.
Conlin, Wm. I.	M. E.	9	3533 Hermitage Ave., Chicago.
Converse, W. I.	C. E.	8	3339 Armour Ave., Chicago.
Cook, Herbert D.	M. E.	10	Hastings, Mich.
Cooper, Douglass, Jr.	E. E.	10	2725 Calumet Ave., Chicago.
Copenhaver, H. K.	C. E.	7	6338 Harvard Ave., Chicago.
Cornwell, A. B.	E. E.	8	Plattsburg, Miss.
Crabbs, Austin	M. E.	8	6805 Union Ave., Chicago.
Craig, B. J.	C. E.	10	Canon City, Colorado.
Crane, Edwin B.	E. E.	9	3708 Lake Ave., Chicago.
Crichton, H. N.	Ch. E.	10	Odebolt, Iowa.
Crocker, A. H.	M. E.	10	1676 Barry Ave., Chicago.
Curkeet, John E.	E. E.	10	Platteville, Wis.
Currier, C. E.	C. E.	9	Buffalo, N. Y.
Curtis, H. S.	E. E.	9	Stratford, New Zealand.
Cawthon, O. W.	Sp.	Sp.	Alabama.
Daly, James J.	C. E.	10	5015 Calumet Ave., Chicago.
Darison, M. H.	Sp.	Sp.	1071 W. Taylor St., Chicago.
Davies, Howard C.	M. E.	7	326 E. 41st St., Chicago.
Davis, Charles G.	Arch.	9	4115 Indiana Ave., Chicago.
Dawson, Manierre	C. E.	9	100 E. 24th St., Chicago.
Day, Robert	C. E.	10	3413 Calumet Ave., Chicago.
Dekker, Harry G.	M. E.	9	10816 Wabash Ave., Chicago.
Dennis, C. W.	E. E.	9	714 Fullerton Ave., Chicago.
Deveney, William J.	C. E.	9	3336 Wabash Ave., Chicago.
Dick, Donald D.	C. E.	9	Crabb Orchard, Ky.
Dinse, George	M. E.	10	1898 W. Carmen Ave., Chicago.
Dittmar, A. A.	C. E.	8	2413 Wentworth Ave., Chicago.
Dobbie, Ed.	E. E.	10	3354 Wabash Ave., Chicago.
Dorris, Everett E.	Tel. E.	8	3608 Prairie Ave., Chicago
Douthitt, Merton J.	C. E.	8	3626 Fifth Ave., Chicago.
Dowdell, Charles O.	C. E.	7	6044 Peoria Ave., Chicago.

COLLEGE—Continued.

NAME	COURSE	YEAR	ADDRESS
Downton, Percival G.	E. E.	9	6942 Eggleston Ave., Chicago.
Doyle, H. F.	M. E.	8	215 E. 66th Place, Chicago.
Dreffein, C. G.	M. E.	7	217 S. Lombard Ave., Oak Park, Ill.
Dunbar, William, Jr.	E. E.	8	605 Winnemac Ave., Chicago.
Dunham, Joseph L.	Ch. E.	9	634 W. 62d St., Chicago.
Dunmore, Glenn B.	M. E.	7	West Chicago, Ill.
Dunne, Richard	C. E.	10	3127 Beacon St., Chicago.
Dunning, Hugh B.	Arch.	10	6500 Monroe Ave., Chicago.
Durand, Fred A.	E. E.	9	958 Forest Ave., Chicago.
Durkee, H. B.	M. E.	10	Schofield, Wis.
Earley, F. H.	M. E.	10	Chicago.
Eaton, A. W., Jr.	C. E.	8	1336 Sheridan Rd., Chicago.
Ebert, Alfred A.	C. E.	9	2137 N. Paulina St., Chicago.
Ebner, Alfred J.	M. E.	8	2020 Harvard St., Chicago.
Eckert, John M.	M. E.	9	1634 N. Clark St., Chicago.
Ecklund. C. A.	C. E.	9	79 35th St., Chicago.
Eckstrom, Fred	Sp.	Sp.	13439 Buffalo Ave., Chicago.
Edmonds, E. W.	E. E.	10	5761 Madison Ave., Chicago.
Edwards, D. S.	E. E.	10	Glencoe, Ill.
Ehretsman, J. L.	M. E.	7	311 Stephenson Ave., Chicago.
Ehrlich, George W.	E. E.	9	2218 N. Ashland Ave., Chicago.
Eliel, Robert L. G.	E. E.	10	1325 Dakin St., Chicago.
Ellet, A. M.	M. E.	9	Chillicothe, Mo.
Ellett, E. H., Jr.	C. E.	7	3767 Ellis Ave., Chicago.
Ellington, H. S.	C. E.	8	9631 Winchester Ave., Chicago.
Elseffer, V. B.	C. E.	10	3348 Dearborn St., Chicago.
Emin, Gerson H.	C. E.	10	4924 St. Lawrence Ave., Chicago.
Ettenson, Isadore Z.	Ch. E.	8	5323 Prairie Ave., Chicago.
Eustace, Alfred L.	E. E.	7	Galena, Ill.
Evans, Robert T.	M. E.	7	254 E. 61st St., Chicago.
Eyers, Walter	F. P. E.	8	Negaunee, Mich.
Farnhain, E. A., Jr.	C. E.	10	Chicago.
Fey, Wealthey	E. E.	9	Oak Park, Ill.
Fisher, Arthur W.	M. E.	9	745 E. 51st St., Chicago.
Fitch, Joseph E.	E. E.	9	653 Winona St., Chicago.
Fletcher, Douglass P.	C. E.	10	Blue Island, Ill.
Flodin, R. C.	C. E.	8	1628 Briar Pl., Chicago.
Forbes, E. R.	E. E.	9	Stranger, Texas.
Ford, T. Cecil	Ch. E	9	6325 Jackson Ave., Chicago.
Fossum, George F.	Arch.	10	3438 Wabash Ave., Chicago.
Francis, A. L.	M. E.	8	530 62d St., Chicago.
Frary, C. O.	C. E.	8	7112 Eggleston Ave., Chicago.
Frazier, James	E. E.	10	3328 Dearborn St., Chicago.
Friedlander, Lawrence C.	M. E.	8	515 E. 44th Pl., Chicago.
Friedman, E. M.	M. E.	8	4120 Berkeley Ave., Chicago.
Frisbie, Henry C.	C. E.	9	6329 Woodlawn Ave., Chicago.
Frisbie, Howard I.	Sp.	Sp.	3350 Armour Ave., Chicago.
Fuller, Frank, Jr.	E. E.	10	Michigan City, Ind.
Furry, William	M. E.	7	698 E. 49th St., Chicago.
Gaddis, W. G.	Arch.	Sp.	3359 Wabash Ave., Chicago.
Galvin, William	M. E.	10	Ottawa, Ill.
Gault, Mark E.	E. E.	10	135 Orchard St., Chicago.
Gehrke, Fred	E. E.	10	Austin, Chicago.
Geist, Arthur C.	Ch. E.	7	3746 Wabash Ave., Chicago.
Gentry, T. E.	M. E.	10	Webb City, Mo.
Germain, S. E., Jr.	E. E.	10	1279 Perry Ave., Chicago.
Gilmore, Millard	E. E.	7	7210 Woodlawn Ave., Chicago.
Glick, Hyman D.	E. E.	10	372 W. 14th St., Chicago.
Glos, H. V.	M. E.	8	Wayne, Ill.
Godfrey, F. Ozro	E. E.	10	2232 Congress St., Chicago.
Goldfarb, S.	E. E.	10	406 S. Halsted St., Chicago.
Goodspeed, Earl	Arch.	10	6354 Ellis Ave., Chicago.
Gould, Charles J.	Sp.	Sp.	Whitewater, Wis.
Grant, W. E.	E. E.	10	Grand Rapids, Mich.
Grassby, G. A., Jr.	M. E.	9	3421 State St., Chicago.
Gravestock, Herbert	E. E.	10	3760 Indiana Ave., Chicago.
Gray, R. Leonard	E. E.	10	Gisborne, New Zealand.
Greenebaum, Samuel	Arch.	10	Newton, Kan.
Grenoble, H. S.	Sp.	Sp.	4312 Champlain Ave., Chicago.
Griswold, Perry	Sp.	Sp.	Parsons, Kan.
Guerin, James	C. E.	8	3958 Ellis Ave., Chicago.
Gugler, Erich	Arch.	10	Milwaukee, Wis.
Guthier, Roy	E. E.	10	2633 N. 67th Ave., Chicago.
Guthrie, J. F.	E. E.	9	1613 Prairie Ave., Chicago.

COLLEGE—Continued.

NAME	COURSE	YEAR	ADDRESS
Hackett, James L.	C. E.	7	1518 Michigan Ave., Chicago.
Hagerup, L. O.	Arch.	9	212 Townsend Ave., Chicago.
Haggender, G. A.	C. E.	7	619 W. 63d St., Chicago.
Hail, Joseph	E. E.	7	174 S. Peoria St., Chicago.
Haines, Henry S.	Sp.	Sp.	Decota, Cal.
Hall, A. Gage	E. E.	9	Kenilworth, Ill.
Hamilton, Edward B.	E. E.	9	Elgin, Ill.
Hammond, Edward K.	Ch. E.	9	9620 Hoyne Ave., Chicago.
Hand, Henry	C. E.	10	945 Warner Ave., Chicago.
Hardy, Silas S.	Arch.	10	Chicago.
Harger, Kendrick	C. E.	8	304 49th St., Chicago.
Harmon, A. M.	E. E.	9	5740 Monroe Ave., Chicago.
Harvey, James S., Jr.	M. E.	9	269 W. Adams St., Chicago.
Hasberg, William M.	M. E.	10	4406 Vincennes Ave., Chicago.
Hatman, Julius G.	E. E.	10	Milwaukee, Wis.
Haven, H. E.	Sp.	Sp.	6115 Woodlawn Ave., Chicago.
Havill, Fred B.	M. E.	10	7414 Princeton Ave., Chicago.
Hayden, Albert Jr.	C. E.	7	3155 Michigan Ave., Chicago.
Hayden, Julian	C. E.	7	3155 Michigan Ave., Chicago.
Haydon, W. E.	Sp.	Sp.	Texarkana, Ark.
Haynes, Pierre E.	Sp.	Sp.	3025 Calumet Ave., Chicago.
Heaps, Roy	Arch.	10	Chicago.
Heath, C. S.	Ch. E.	7	28 N. Oakley Ave., Chicago.
Heim, Karl	E. E.	9	3241 N. Paulina St., Chicago.
Heinsen, George M.	C. E.	7	8926 Exchange Ave., Chicago.
Heitner, Walter	E. E.	10	9750 Longwood Blvd., Chicago.
Henning, C. S., Jr.	E. E.	7	El Paso, Texas.
Henwood, Proctor E.	M. E.	10	Hancock, Mich.
Heuchling, Fred G.	Ch. E.	7	153 Evanston Ave., Chicago.
Hill, Harvey J.	Ch. E.	Sp.	Chicago.
Hill, William	C. E.	10	129 E. 35th St., Chicago.
Hills, George B.	E. E.	10	Des Plaines, Ill.
Hirschfeld, George	E. E.	9	9838 Avenue L, Chicago.
Hoffman, Balthasar	Ch. E.	7	3331 Armour Ave., Chicago.
Hoffmann, Balthasar, Jr.	M. E.	10	729 Polk St., Chicago.
Hoffman, R. J.	E. E.	7	Milwaukee, Wis.
Holmboe, Harold	E. E.	10	6127 Madison Ave., Chicago.
Holmboe, R.	C. E	8	6127 Madison Ave., Chicago.
Holmes, W. E.	M. E.	8	6447 Monroe Ave., Chicago.
Hooper, Blake C.	M. E.	7	261 E. 61st St., Chicago.
Hooper, S. L.	Arch.	10	Mass.
Hopkins, R. H.	E. E.	8	418 34th St., Chicago.
Hotchkin, E. W.	E. E.	8	127 N. 51st Court, Chicago.
Hough, H. R.	C. E.	10	4560 Michigan Ave., Chicago.
Houghton, Earle W.	M. E.	8	5016 Michigan Ave., Chicago.
Howard, R. V.	E. E.	8	3622 Forest Ave., Chicago.
Howard, W. A.	Ch. E.	9	10133 Avenue L., Chicago.
Howenstein, W. K.	Arch.	10	1059 Sherwin Ave., Chicago.
Hunt, Chas.	M. E.	10	4206 Michigan Ave., Chicago.
Hunt, Lisle	C. E.	10	3314 Dearborn St., Chicago.
Hunter, E. M.	E. E.	10	North Waco, Texas.
Hurd, Charles G.	M. E.	8	5015 Calumet Ave., Chicago.
Hurwitz, Harry K.	C. E.	10	4544 State St., Chicago.
Hyde, R. M.	Arch.	10	1199 Douglas Blvd., Morgan Pk.
Ingersoll, Harold	C. E.	10	6918 Normal Ave., Chicago.
Ivison, George E.	C. E.	10	139 Gladys Ave., Chicago.
Jackson, I. F.	M. E.	7	Hollywood, Cal.
Jacobson, Joseph H.	E. E.	6	4461 Ellis Ave., Chicago.
Jaeger, Neil M.	E. E.	8	Zillah, Wash.
James, Sydney V.	M. E.	7	3259 Groveland Ave., Chicago.
Jennings, E. F.	Ch. E.	10	2485 Armitage Ave., Chicago.
Jens, Walter G.	C. E.	10	Rock Island, Ill.
Jensen, Herbert	E. E.	10	Rock Island, Ill.
Jewell, William M.	C. E.	10	Park Ridge, Ill.
Johnson, A. Roy	E. E.	8	Sioux Falls, S. D.
Johnson, Chester	E. E.	10	3241 Prairie Ave., Chicago.
Johnson, Edmund C.	Ch. E.	10	400 N. Pine Ave., Chicago.
Johnson, R. W.	C. E.	9	1111 George St., Chicago.
Johnston, C. A. P.	E. E.	8	Tuyler, N. D.
Jones, Charles H.	E. E.	9	629 N. Campbell Ave., Chicago.
Jones, E. W.	E. E.	7	Pratt, Kan.
Jones, H. W.	Ch. E.	7	Mabel, Minn.
Jones, J. Alfred	Arch.	9	9040 Escanaba Ave., Chicago.
Jones, L. B.	E. E.	7	Pratt, Kan.

COLLEGE—Continued.

NAME	COURSE	YEAR	ADDRESS
Jones, Morris E.	C. E.	10	304 E. 53d St., Chicago.
Kacin, Auton C.	E. E.	8	821 Garfield Blvd., Chicago.
Kahn, Lamos	E. E.	9	7850 Bond Ave., Chicago.
Kallis, Maurice	E. E.	10	525 Winchester Ave., Chicago.
Keely, Howel B.	E. E.	10	5525 Monroe Ave., Chicago.
Kelkenney, A. A	E. E.	7	Cheyenne, Wyo.
Kellner, O. R.	C. E.	10	744 Sedgwick St., Chicago.
Kellner, W. A.	C. E.	10	744 Sedgwick St., Chicago.
Kern, Walter S.	Ch. E.	Sp.	Leavenworth Kan.
Kies, Christopher	M. E.	10	4834 Champlain Ave., Chicago.
Kilbourne, D. B.	Sp.	Sp.	3921 Prairie Ave., Chicago.
Kilgore, Clarence	M. E.	7	533 Englewood Ave., Chicago.
Kimball, Norman	M. E.	10	Oshkosh, Wis.
Kinzel, Arthur J.	M. E.	9	217 Sunnyside Ave., Chicago.
Kirkpatrick, C.	Arch.	10	The Hampden, 39th St. and Langley Ave., Chicago.
Kloman, Chas.	C. E.	10	3255 Calumet Ave., Chicago.
Kramer, Robert E.	E. E.	9	Madison, S. D.
Krill, Henry	M. E.	9	Aurora, Ill.
Kubitz, Alfred L.	E. E.	7	Oak Park, Ill.
Kuehne, J. H.	E. E.	10	Gownada, N. Y.
Langstaff, Chas. R.	E. E.	8	Blair, Nebr.
Larson, R. Lawrence	C. E.	8	535 Melrose St., Chicago.
Latta, Smith H.	M. E.	8	Oak Park, Ill.
Laubach, G. S.	C. E.	7	Omaha, Neb.
Laurence, V. E.	E. E.	8	Paxton, Ill.
Lawson, M. C.	C. E.	10	Hastings, Neb.
Layer, Robert	Arch.	7	1327 Millard Ave., Chicago.
Leavell, Richard	M. E.	10	1339 Garfield Blvd., Chicago.
Ledlie, J. B.	E. E.	10	Nevada, Mo.
Lehman, B. W.	Sp.	10	4742 Grand Blvd., Chicago.
Lemmon, C. C.	C. E.	9	5819 Ohio St., Chicago.
de Lemon, Hugo	Ch. E.	8	3536 Western Ave., Chicago.
Lesage, H. A. T.	Sp.	Sp.	321 41st St., Chicago.
Lessel, Ralph	E. E.	9	Perry, Ia.
Letterman, G. D.	C. E.	9	3342 Dearborn Ave., Chicago.
Levering, Rosier W.	F. P. E.	10	399 E. 33d St., Chicago.
Levitan, S. C.	E. E.	9	454 S. Wood St., Chicago.
Lewis, Raymond	M. E.	8	Evanston, Ill.
Leydon, Thos. J.	C. E.	9	2958 S. Loomis St., Chicago.
Lichtner, Wm. O.	C. E.	7	6633 Yale Ave., Chicago.
Liebenstein, Harold	C. E.	10	3956 Michigan Ave., Chicago.
Lindsay, A. F.	Arch.	10	Grayville, Ill.
Lindsay, Curtis M.	E. E.	9	Omaha, Neb
Livermore, Joseph D.	Arch.	10	Madison, Wis.
Lockwood, W. C.	E. E.	9	5111 Wabash Ave., Chicago.
Lohse, A. W.	M. E.	10	Davenport, Iowa.
Loofburrow, J. D.	M. E.	8	3310 Forest Ave., Chicago.
Losey, Howard	Ch. E.	10	603 W. 69th St., Chicago.
Lovett, Thomas	App.	8	722 33d St., Chicago.
Lowe, J. O.	E. E.	10	618 Englewood Ave., Chicago.
Lunak, S. E.	Ch. E.	8	657 Loomis St., Chicago.
Lurvey, D.	E. E.	7	273 Blue Island Ave., Chicago.
Lynch, Harold	E. E.	10	4559 Halsted St., Chicago.
Lyon, Morton	E. E.	10	Perry, Iowa.
Lyon, Ray V.	C. E.	10	30 E. 29th St., Chicago.
McAuley, B. F.	M. E.	9	269 S. Lincoln St., Chicago.
McCormick, Raymond	E. E.	10	Toluca, Ill.
McCullough, Fred	Arch.	10	3322 Dearborn St., Chicago.
McCune, S. Walker	E. E.	10	6612 La Fayette Ave., Chicago.
McDermott, John A.	Ch. E.	7	5750 Madison Ave., Chicago.
McEldowney, George R.	Arch.	8	6542 Perry Ave., Chicago.
McEwing, Eugene	E. E.	10	6644 Normal Ave., Chicago.
McKarahan, E. V.	F. P. E.	9	Audubon, Ia.
McMinn, R. H.	E. E.	9	6106 Stewart Ave., Chicago.
McMullen, E. W.	Ch. E.	9	Picton, Ontario, Canada.
McQuaid, D.	Sp.	Sp.	209 E. 62d St., Chicago.
Maas, Herbert I.	E. E.	9	4433 Indiana Ave., Chicago.
Mabbs, J. Kenneth	E. E.	9	2367 Kenmore Ave., Chicago.
MacDonald, Malcolm S.	M. E.	7	1250 Washington Blvd., Chicago.
MacKenzie, John A.	C. E.	10	6033 Prairie Ave., Chicago.
Mackey, Verne W.	E. E.	10	Portland, Ind.
Mackie, H. E.	Arch.	10	2603 N. Paulina St., Chicago.
MacKnight, James R.	C. E.	10	1641 Sheridan Road, Chicago.
Macomber, D. M.	Sp.	Sp.	3048 Kenmore Ave., Chicago.

COLLEGE—Continued.

NAME	COURSE	YEAR	ADDRESS
Maguire, F. V.	C. E.	10	3623 Wabash Ave., Chicago.
Mahler, H.	M. E.	9	3159 Forest Ave., Chicago.
Manning, John C.	E. E.	10	Perry, Ia.
Matchett, James C.	M. E.	7	6940 Wentworth Ave., Chicago.
Mather, Lewis V.	Sp.	Sp.	213 33d St., Chicago.
Mathews, G. W.	Sp.	Sp.	Sioux City, Ia.
Mathews, J. F., Jr.	C. E.	7	4613 Champlain Ave., Chicago.
Mathis, J. F.	Arch.	10	Sorento, Ill.
Matthay, H. P. L.	C. E.	10	3820 State St., Chicago.
Matthei, H. R.	C. E.	8	1414 Rokeby St., Chicago.
Mattison, C. L.	M. E.	9	Beloit, Wis.
Mayes, Frank H.	M. E.	9	421 W. 75th St., Chicago.
Meek, A. R.	M. E.	10	6351 Parnell Ave., Chicago.
Megahy, J. A.	C. E.	8	Bridgetown, Barbadoes, W. I.
Menkin, Jesse I.	M. E.	9	282 Flournoy St., Chicago.
Meyer, Fred C.	C. E.	9	3312 Dearborn St., Chicago
Meyer, Grover J.	C. E.	8	34 E. 29th Pl., Chicago.
Millard, Chancey S.	C. E.	7	2269 N. 42d Court, Chicago.
Miller, Earl F.	Arch.	9	Manitowoc, Wis.
Miller, Philip W.	C. E.	9	Algona, Ia.
Monahan, J. E.	M. E.	8	3435 Wabash Ave., Chicago.
Moore, Howard J.	M E.	10	Cleveland, O.
Morey, Clive R.	E. E.	8	Hastings, Neb.
Morgan, W. C.	M. E.	8	3122 S. Park Ave., Chicago.
Morrison, R. A.	E. E.	7	533 N. Taylor St., Chicago.
Mott, H. J.	E. E.	9	2421 Indiana Ave., Chicago.
Moyses, Harry	E. E.	9	4814 Michigan Ave., Chicago.
Mulloy, George B.	M. E.	8	6912 Vernon Ave., Chicago.
Munoz, Frederico J.	C. E.	10	Washington, D. C.
Nadler, Herbert B.	M. E.	8	Peru, Ill.
Narozny, Joseph	C. E.	10	4829 S. Wood St., Chicago.
Nelson, C. J.	C. E.	7	Oakland, Neb.
Nelson, E. D., Jr.	E. E.	9	Ironwood, Mich.
Nelson, G. W.	E. E.	10	Lena, Ill.
Neu, Matthew	Arch.	9	151 93d St., Chicago.
Neville, W. J.	E. E.	10	6426 Sangamon St., Chicago.
Newman, O. R.	E. E.	8	Canadian, Texas.
Niestadt, Fred A.	C. E.	9	365 Hoyne Ave., Chicago.
Nitchke, P. H.	C. E.	8	575 E. 26th St., Chicago.
Noble, James B.	Sp.	Sp.	Eau Claire, Wis.
Norris, Joseph C.	M. E.	10	2407 Harrison St., Chicago.
O'Neill, W. J.	Arch.	10	Australia.
Oberfelder, N.	F. P. E.	9	4619 Ellis Ave., Chicago.
Oehne, Theodore C., Jr.	E. E.	8	5401 Ellis Ave., Chicago.
Olsen, Benjamin T.	C. E.	10	299 Humboldt Blvd., Chicago.
Osmena, M. V.	C. E.	10	Washington, D. C.
Ostergren, Harry	E. E.	9	3265 Cottage Grove Ave., Chicago.
Ostergren, Robert C.	Arch.	8	2939 Vernon Ave., Chicago.
Otis, Spencer, Jr.	M. E.	10	1449 Sheridan Road, Chicago.
Otter, W. D.	M. E.	10	6220 Madison Ave., Chicago.
Overstreet, R. N.	C. E.	9	Oak Park, Ill.
Packer, Charles S.	C. E.	8	3361 Calumet Ave., Chicago.
Pacyna, Arnold	Ch. E.	7	3509 Wabash Ave., Chicago.
Pahlman, Paul J.	M. E.	8	343 E. 42d St., Chicago.
Parker, R. M.	Ch. E.	9	5000 Washington Ave., Chicago.
Parker, S. R.	Arch.	10	Chicago.
Parkins, Frank E.	E. E.	10	5532 Jefferson Ave., Chicago.
Parry, Guerdon G., Jr.	M. E.	8	3410 Indiana Ave., Chicago.
Pashley, Erwin S.	Arch.	10	5700 Randolph St., Chicago.
Paterson, James E.	Arch.	10	415 W. 67th St., Chicago.
Patrick, W. W.	Ch. E.	8	600 E. 51st St., Chicago.
Paul, Harry J.	M. E.	8	1414 Roscoe St., Chicago.
Pearce, George C.	M. E.	9	167 E. Madison St., Chicago.
Pearce, Roswell P.	C. E.	10	248 E. 66th St., Chicago.
Perkins, E. R.	M. E.	10	Chicago.
Perkins, Robert A.	M. E.	8	5417 Washington Ave., Chicago.
Perlstein, Benjamin	Ch. E.	7	419 La Salle St., Chicago.
Peters, William H.	E. E.	9	West Bend, Wis.
Peterson, Ivan	C. E.	9	1324 Osgood St., Chicago.
Petterson, George R.	Sp.	Sp.	4357 Calumet Ave., Chicago.
Petty, E. W.	E. E.	8	43 Grand Ave., Chicago.
Peyton, Frank	Arch.	9	Danville, Ill.
Pfaelzer, F. M.	E. E.	10	4926 Washington Pk. Pl., Chicago.
Pfanstiehl, Carl	E. E.	10	4357 Calumet Ave., Chicago.

COLLEGE—Continued.

NAME	COURSE	YEAR	ADDRESS
Pinkerton, Elwood	E. E.	9	Inland, Neb.
Poland, Lester A.	C. E.	10	Eureka, Cal.
Pollak, Ernest	C. E.	8	1551 Michigan Ave., Chicago.
Pratt, E. A.	C. E.	7	3405 Prairie Ave., Chicago.
Preston, Harry F.	E. E.	9	Rhyolite, Nev.
Quackenbush, A. D.	E. E.	7	842 Pine Grove Ave., Chicago.
Quinn, Joseph B.	E. E.	10	287 65th Pl., Chicago.
Rahr, Niels	M. E.	9	Manitowoc, Wis.
Rasmussen, Edwin H.	E. E.	8	Omaha, Neb.
Raymond, Archie B.	Sp.	Sp.	360 E. Erie St., Chicago.
Raymond, A. W.	M. E.	10	919 Jackson Blvd., Chicago.
Reker, W. H.	E. E.	7	5124 Halsted St., Chicago.
Reynolds, J. C.	C. E.	10	Harlan, Ia.
Reynolds, Robert L.	C. E.	9	Harlan, Ia.
Richards, T. E.	C. E.	9	6510 Madison Ave., Chicago.
Richards, W. A.	E. E.	9	2826 Indiana Ave., Chicago.
Richardson, J. R.	E. E.	8	1752 Balmoral Ave., Chicago.
Riesenberg, W. E.	E. E.	10	3555 Cottage Grove Ave.
Riker, A. C.	E. E.	9	Blair, Neb.
Ringler, Charles C.	Ch. E.	9	Fort Worth, Texas.
Robinson, F. H.	Ch. E.	7	Aurora, Ill.
Rodgers, Thomas T.	Ch. E.	9	Milwaukee, Wis.
Rogers, H. J.	E. E.	10	Beloit, Wis.
Root, Hinman R.	C. E.	9	Kennilworth, Ill.
Rose, Herbert	E. E.	9	5732 Prairie Ave., Chicago.
Rosenblatt, Arthur	E. E.	9	Oskaloosa, Ia.
Rosenthal, Henry	M. E.	10	3223 Vernon Ave., Chicago.
Rothwell, P. A.	E. E.	10	Buffalo, Wyo.
Roush, Leroy C.	F. P. E.	7	7411 Monroe Ave., Chicago.
Rowe, Hugh I.	E. E.	7	423 Jackson Blvd., Chicago.
Rowe, Lindley P.	Arch.	10	5932 Indiana Ave., Chicago.
Saam, Karl F.	Arch.	10	Lansing, Ia.
Salisbury, Robert H.	Arch.	10	982 Adams St., Chicago.
Saloman, M. J.	E. E.	10	311 E. Division St., Chicago.
Sampson, Stacy	Ch. E.	10	844 W. 71st St., Chicago.
Sandahl, Carl A.	C. E.	10	2295 W. Dakin Ave., Chicago.
Sanders, Walter	E. E.	7	23 Aldine Sq., Chicago.
Saunders, J. Earl	E. E.	7	Chillicothe, Ill.
Scharle, L. M.	C. E.	7	976 W. Harrison St., Chicago.
Schewel, A. M.	M. E.	9	3440 Vernon Ave., Chicago.
Schlinz, H. W.	C. E.	9	681 Lincoln Ave., Chicago.
Schmidt, J. Lorenz	F. P. E.	7	Indianapolis, Ind.
Schnabel, Fred	M. E.	10	6818 Morgan St., Chicago.
Schram, Irwin H.	C. E.	8	3426 Calumet Ave., Chicago.
Schueler, William	E. E.	9	3248 Indiana Ave., Chicago.
Schwinn, F. S.	C. E.	10	1275 Winthrop Ave., Chicago.
Scott, Frank J., Jr.	M. E.	10	609 W. 60th St., Chicago.
Seeger, Ralph E.	Arch.	10	Manitowoc ,Wis.
Seiler, Robert A.	C. E.	9	312 Webster Ave., Chicago.
Shafer, Glenn A.	C. E.	10	5463 Jefferson Ave., Chicago.
Shapiro, Benjamin	C. E.	10	420 S. Paulina St., Chicago.
Shaw, H. D.	Sp.	Sp.	3328 Wabash Ave., Chicago.
Shedd, Milton C.	M. E.	9	El Paso, Texas.
Sherman, R. F.	Ch. E.	8	276 Fremont St. Chicago.
Sherwin, Edward	E. E.	10	North Chicago, Ill.
Sigwalt, Elmer J.	E. E.	7	Wheeling, Ill.
da Silva, C. J.	C. E.	10	1144 S. Ridgeway Ave., Chicago.
Simmons, Lesley E.	E. E.	8	Oak Park, Ill.
Simpson, Tracy W.	E. E.	9	5432 Lexington Ave., Chicago.
Singer, Sidney C.	M. E.	7	Omaha, Neb.
Slaughter, Raymond	C. E.	10	Waterloo, Ia.
Sleezer, Frank W.	E. E.	7	Yorkville, Ill.
Sleeper, Fred L.	C. E.	10	5400 Lexington Ave., Chicago.
Smalley, J. S.	E. E.	7	Muscatine, Ia.
Smith, C. U.	M. E.	7	399 33d St., Chicago.
Smith, Hallam C.	Ch. E.	9	Sugar Grove, Ill.
Smith, L. B.	Ch. E.	7	Aurora, Ill.
Smith, Monroe A.	C. E.	10	688 North Park Ave., Chicago.
Snow, Charles H.	Arch.	10	Bloomington, Ill.
Solomon, W. W.	C. E.	9	1289 Washington, Blvd., Chicago.
SoRell, Arthur W.	E. E.	10	Clarendon, Texas.
Souther, S. A.	E. E.	8	7644 Emerald Ave., Chicago.
Speer, J. T.	C. E.	9	6148 Green St., Chicago.
Spierling, A. O.	E. E.	10	6421 Lexington Ave., Chicago.

COLLEGE—Continued.

NAME	COURSE	YEAR	ADDRESS
Spitzglass, Jacob	M. E.	9	633 N. Roby St., Chicago.
Squair, Francis R.	Ch. E.	10	5546 So. Park Ave., Chicago.
Stadeker, G. I.	E. E.	9	4807 Champlain Ave., Chicago.
Stagg, Milton V.	E. E.	7	245 Swan St., Chicago.
Standish, Myles	E. E.	10	Omaha, Neb.
Stanton, G. A.	C. E.	7	964 Balmoral Ave., Chicago.
Starin, Louis D.	M. E.	8	Sarasota, Fla.
Stark, David H.	E. E.	10	5209 Ellis Ave., Chicago.
Starmann, George, Jr.	Ch. E.	10	Quincy, Ill.
Steigely, Arthur C.	Arch.	10	La Port, Ind.
Steiner, Irving W.	E. E.	10	Independence, Wis.
Stephens, Charles W.	Sp.	Sp.	Orange, N. J.
Stevens, Roe L.	C. E.	8	4835 Forrestville Ave., Chicago.
Stevens, Schuyler	Sp.	Sp.	Neenah, Wis.
Stevens, Wirt A.	C. E.	10	2631 Wabash Ave., Chicago.
Steward, A. W.	Sp.	Sp.	385 E. Ontario St., Chicago.
Steward, R. F.	Ch. E.	7	6461 Monroe Ave., Chicago.
Steward, William, Jr.	M. E.	9	Louisville, Ky.
Stillman, Edwin H.	M. E.	8	5408 Monroe Ave., Chicago.
Stockley, Marx A.	M. E.	10	1305 Maple St., Evanston.
Stoddard, Hubert H., Jr.	Arch.	10	366 Claremont Ave., Chicago.
Strong, A. P.	E. E.	9	Oak Park, Ill.
Sturgess, Fred M.	E. E.	7	Buffalo, N. Y.
Sturtevant, Roy W.	C. E.	8	2950 Calumet Ave., Chicago.
Sumkowski, Alfonse J.	E. E.	9	3315 S. Morgan St., Chicago.
Sweet, A. B.	Arch.	10	3647 Prairie Ave., Chicago.
Sweet, Frank D.	E. E.	10	5951 Michigan Ave., Chicago.
Sweney, C. H.	Sp.	Sp.	Valparaiso, Ind.
Sullivan, E. B.	Sp.	Sp.	93 33d St., Chicago.
Taylor, A. C.	C. E.	8	Leavenworth, Kan.
Taylor, Thomas C.	M. E.	10	3225 Groveland Ave., Chicago.
Taylor, F. Ward	E. E.	10	Sioux Falls, N. D.
Tearney, Roscoe	E. E.	10	4614 Archer Ave., Chicago.
Teesdale, C. H.	Ch. E.	8	6949 Prairie Ave., Chicago.
Tenney, Fred H.	M. E.	10	389 33d St., Chicago.
Thatcher, E. A.	Ch. E.	10	Dallas, Texas.
Thatcher, Walter C.	E. E.	10	586 E. 46th St., Chicago.
Thomas, Percy W.	C. E.	10	9621 S. Seeley Ave., Chicago.
Thomas, W. E.	M. E.	9	6420 Greenwood Ave., Chicago.
Thompson, Macy G.	Arch.	10	386 Oakenwald Blvd., Chicago.
Thompson, Morris	C. E.	7	Blair, Wis.
Thompson, M. L.	Arch.	8	Muscatine, Ia.
Thomson, Frank L.	F. P. E.	8	Eureka, Cal.
Tippey, W.	Sp.	Sp.	Havana, Ill.
Tobias, W. Ray	C. E.	10	9235 Pleasant Ave., Chicago.
Todd, Samuel R.	E. E.	10	Arcola, Ill.
Thompkins, G. Dwight	C. E.	7	Spencerport, N. Y.
Townsend, John Selby	M. E.	8	El Paso, Texas.
Traver, Albert A.	Arch.	9	564 E. 42d St., Chicago.
Tregay, John	E. E.	9	307 Walnut St., Chicago.
Trinkaus, William, Jr.	C. E.	8	252 N. May St., Chicago.
Turnbull, I. J.	M. E.	7	Downers Grove, Ill.
Turner, Mac	Arch.	10	Hammond, Ind.
Uhlendorf, E.	C. E.	9	Chicago.
Urson, Frank J., Jr.	C. E.	8	1738 Humboldt Blvd., Chicago.
Vacek, V. F.	E. E.	8	S. Omaha, Neb.
Valerio, J. M.	E. E.	8	Hull House, Chicago.
Van, L. R.	Arch.	10	365 E. Superior St., Chicago.
Van Etten, F. C.	E. E.	9	4806 Indiana Ave., Chicago.
Van Vliet, Paul I.	E. E.	10	Oak Park, Ill.
Venn, Harry L.	M. E.	10	547 Milwaukee Ave., Chicago.
Vial, L. W.	M. E.	10	Monrovia, Ind.
Vial, Solon C.	E. E.	10	Monrovia, Ind.
Von Gunten, Orland	Arch.	9	Conneaut, O.
Von Gunten, Tillman	Arch.	10	Conneaut, O.
Vore, Milton P., Jr.,	E. E.	8	6413 Lexington Ave., Chicago.
Vynne, E.	C. E.	10	3249 Groveland Ave., Chicago.
Wachs, Theodore	M. E.	7	1842 Oakdale Ave., Chicago.
Wadley, Calvin P.	M. E.	10	7918 Lowe Ave., Chicago.
Walbridge, John T.	C. E.	7	7603 Lowe Ave., Chicago.
Waldo, Alfred T.	Arch.	9	Columbus, Wis.
Wallen, Fred E.	E. E.	10	11573 Michigan Ave., Chicago.
Walsh, W. H.	E. E.	10	422 34th St., Chicago.
Walther, Ralph A.	C. E.	9	6436 Lowe Ave., Chicago.

COLLEGE—Continued.

NAME	COURSE	YEAR	ADDRESS
Wappler, E.	C. E.	9	470 E. 45th St., Chicago.
Warszewski, Frank S.	Ch. E.	7	620 Noble St., Chicago.
Waters, G. M.	E. E.	9	Miller, S. D.
Watson, James	E. E.	10	1226 Winthrop Ave., Chicago.
Watterson, E. R.	M. E.	10	Kalida, O.
Watts, Frank	E. E.	10	3415 Wabash Ave., Chicago.
Weathers, Armada T.	Ch. E.	10	440 35th St., Chicago.
Webb, Alex. R.	C. E.	8	724 Flournoy St., Chicago.
Wells, Frederick D.	Arch.	8	La Salle, Ill.
Wells, J. Barnard	M. E.	7	536 N. Normal Parkway, Chicago.
Wendell, R. B.	E. E.	7	6530 Lexington Ave., Chicago.
Wernick, F. E.	M. E.	10	Hillsboro, Wis.
Wheeler, Harley T.	M. E.	10	Western Springs, Ill.
Wheeler, H. M.	E. E.	7	7749 Emerald Ave., Chicago.
White, V. A.	E. E.	10	3341 Armour Ave., Chicago.
Whitmore, C. M.	E. E.	10	Superior, Wis.
Whitmore, Ray	E. E.	10	S. Milwaukee, Wis.
Wiard, W. H.	Ch. E.	9	Waukegan, Ill.
Wickerham, A. G.	Arch.	8	Homestead, Pa.
Wight, Robert A.	Ch. E.	7	Lakeville, Ia.
Wilber, Charles	Sp.	Sp.	3343 Indiana Ave., Chicago.
Williams, Duvall	C. E.	10	151 E. 36th St., Chicago.
Williams, Guy E.	E. E.	10	Duluth, Minn.
Wiliams, L. L.	E. E.	10	271 Oakwood Blvd.
Williams, Wallace	E. E.	7	Vellesca, Ia.
Wilsey, G. H.	C. E.	8	Lena, Ill.
Wilsnack, George W.	Ch. E.	8	11745 State St., Chicago.
Wilson, R. C.	E. E.	10	34th St. and State St., Chicago.
Winser, Roy A.	Ch. E.	8	Aurora, Ill.
Wistrom, F. E.	E. E.	9	6150 Aberdeen St., Chicago.
Wolfe, Edward J.	E. E.	7	4219 Wabash Ave., Chicago.
Wolfe, Jesse B.	M. E.	10	389 33d St., Chicago.
Wolters, George F.	Arch.	8	Omaha, Nebr.
Wuehrmann, William G.	Arch.	8	5324 S. Ashland Ave., Chicago.
Young, A. G.	M. E.	9	Menominee Falls, Wis.
Young, Donald	M. E.	10	Tabasco, Colo.
Young, L. B.	C. E.	7	364 91st St., Chicago.
Youngberg, Harry W.	C. E.	9	1182 Maplewood Ave., Chicago.
Yule, Clarence L.	Arch.	9	Somers, Wis.
Zanzig, F. C.	E. E.	9	Milwaukee, Wis.
Zeisler, Louis	E. E.	10	La Crosse, Wis.
Zimmerman, S. L.	C. E.	8	151 Lytle St., Chicago.

ACADEMY

Abel, George W.
Admiral, Donald
Ahern, Arthur A.
Almlof, Woodruff
Amend, Fred W.
Anderson, George
Anderson, Leonard C.
Babbitt, B. K.
Babcock, H. A.
Baldwin, Martin E.
Banbury, Ray
Bartusek, Joseph
Basch, Ralph J.
Bates, Richard
Bauman, Harry W.
Baumberger, C. A.
Beck, C. E.
Beech, Crowell
Bernstein, Jule I.
Blackburn, John
Boetter, Carl
Booth, Lauce E.
Bose, Wilfred
Bowen, Gerald A.
Boylston, John
Bradley, H. C.
Bright, Orville T., Jr.
Buckingham, Arthur W.
Burke, O. S.
Burling, H. D.
Burr, Roy
Burson, W. W.
Byers, C.
Buchanan, J.
Callahan, Andrew J.
Canman, Elmer
Casey, Martin J.
Chandler, M. G.
Cheney, L. M.
Cohn, Abe
Cooper, Charles H.
Cooper, Warren
Corboy, R.
Corboy, W. J.
Crawford, E. H.
Cullen, George P.
Cuthbert, Wm. C.
Da Costa, Harold
Deniston, Albert
Dickerson, J. C.
Donnelly, John C.
Douglass, M. W.
Driver, Joseph
Drozeski, Donald A.
Dunne, V.
Eder, Peter
Eisendrath, D. B.
Ellbogen, Albert L.
Eubanks, C. W.
Fenn, Edward
Fenno, Sylvan
Ferderber, Leo
Fishel, Robert
Fitzgibbon, James C.
Ford, Martin D.
Fors, Adolph F.
Fowler, Lee
Fraser, Ernest C.
Fraser, J. G.
French, Henry H.
Freund, H.
Froehling, Arthur
Furrey, John J.
Folkhsrd, G. S.
Gage, John N.
Gage, Kinney
Gehring, Fred
Gehring, Henry Jr.
Geisler, Rupert J.
Goldberg, Herman
Goldberg, Milton
Gonsalez, Alfredo L.
Goold, Charles R.
Gougler, Judson

ACADEMY—Continued.

Graff, Walter
Grant, Clair R.
Grant, James E.
Gray, Walter
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The Senior

When evening shades are falling
O'er all the world so dear,
When the twilight soft is gleaming
And the stars shine cold and clear.

The weary Senior homeward turns
To seek his kingdom fair,
His palace halls, his crested walls,
His treasures rich and rare.

And there enthroned no king so grand
Can e'er with him compare,
He rules the monarch and the lord
And none his rights forswear.

For at his bidding subjects all
Do bow before his will,
His books, his pipe, his violin,
His every wish fulfill.

And round about his castle walls
Are hung in splendor grand,
Fair forms and faces that he loves,
Sweet maidens of the land.

While hung in every corner,
Every nook, however small,
Bright posters, flags, and pennants
Do gayly deck the wall.

And in a heap upon the floor
Are pillows, books, and shoes,
While decking all the chandeliers
Are ties he ought to lose.

Beside him is his trusted friend,
A fine old graphophone,
That teaches him the improved way
Of getting French "alone."

His problems in old calculus
Are wonders in their line,
He gets them in the grafting room,
In mechanics he does shine.

And lined up in fine order,
All ready for the race,
Are ponies small, but daring,
That could keep up any pace.

But as the long hours lengthen
And the midnight oil burns low
And the bright and fair dream angels
Do softly come and go,

The weary Senior falls to sleep
Within his mansion blest
And dreams the dream of love and
By angel hands caressed.

And as the years roll onwards
And the Senior's dreams are o'er,
When life is stern and bitter,
In dreams he sees once more

His palace halls, and crested walls
His youthful visions fair,
His dreams ahead — the path he'd tread
Crowned with success so rare.

N. M. M.

Funeral Oration on the Death of Math

Delivered by Benjamin Perlstein on Ogden Field

May 22, 1906

Woe is me, woe is me, thrice woe is me. Whence are we and why are we? Of what scene the actors and spectators? For what doleful duty are we here assembled? We are convened, afflicted fellow sufferers, to perform the duties which we acknowledge and fulfill to our illustrious dead, to present to our departed excellence an oblation of gratitude for its departure, to describe its virtues and to inscribe them on the urn which is to contain its ashes. And so, if on this sad, this solemn, this most mournful occasion, I should endeavor to move your commiseration it would be doing an injustice to that sensibility which has been so generally and so justly manifested. Far from attempting to excite your emotions I must try and repress my own, and yet, I fear that instead of the language of a public speaker you will hear only the tearful lamentations of a wailing friend. But I will struggle with my bursting heart and endeavor to portray to you the virtues of our departed friends: Church's Mechanics, Campbell's Calculus, and Freshman Pamphlets.

A vision comes to me, over all and above all, methinks I can see the Presiding Genius of Mathematics in despair at the fate of his three children. Behold, there he sits on a throne of hyperboles and arching parabolas circumscribed by spherical fiends and seg-

ments of oblique angled demons, while his great right hand is grasping the tangent and cycloidal curves which compose his Mathematical thunderbolt. There at his feet, with the hydraulic drops in a steady flow down his cheeks sits Burnham Willie. There also sit Simpson and Agnesi, vibrating and gyrating under the strain of their emotions. There they sit, waiting for the words of praise and eulogy of our farewell to Mathematics.

But alas, alas; that at this supreme moment both memory and words fail me. How can I, how shall I say farewell? What expressoin is there that will convey my feelings over the demise of Mathematics. Shall I, in the language of Cicero, say, "Vale?" No. Shall I say, as the Frenchman, "Adieu?" No. Shall I descend to plain everyday English and say, "Good-bye?" No. These are all too cold in the light of what is going to happen to-night. We have terms more picturesque than these; terms more in symmetry with the beautiful form of Mathematics. Shall I say, "Fade away?" No. For you all are determined that the light of Mathematics shall not fade to-night. Shall I say, "Skidoo?" No. I am certain that the profundity and deep philosophy of that eloquent word is beyond the comprehension of your cerebellum. Shall I get down to plain figuers and say, "tw ——." If I must say it let me say it in the language of our departed friend: The mean of 22 and 24, the square of 529, the tangent of 87.51°. But no, even these words, expressive and solicitous as they seem, will not do justice to my feelings; they are too obsolete to be applied to one so progressive and advanced as Mathematics. Oh, for a word. Oh, for an inspiration!

Superb! Magnificent! Behold "Bunkidoodle!" What a wealth of lofty thought there lies in that simple expression, "Bunkidoodle." What a world of golden ideas it

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conveys. What a multitude of gentle pathos and caring tenderness it exhibits. How expressive of the sweet sorrow of parting. So "Bunkidoodle Mathematics!" say I, and echo answers, "Bunkidoodle."

Good people, kind people, gentle people, understand; we are not here to bury Mathematics, but to cremate it; I have not come to praise Mathematics, but to roast it. If then, in the heat of my ardor, I say anything unseemly, I pray you, abide with me, for it is my burning feelings that must find a vent in their utterance.

Where is the revolt of the elements which, according to Shakespeare, should occur to-night? Where are the manifestations of Nature that should accompany the passing of Mathematics? When Cæsar died the Heavens blazed, graves yawned, ghosts shrieked, horses neighed. When William of Orange died the little children cried in the streets, strong men wept, his countrymen trembled and the State itself tottered. And now Math is dead, but there is no grief in Armour. In the words of Milton, "No one is here for tears; none to wail or knock the breast." Mathematics is no more, but all is quiet at Armour. Everything is as before. The Glee Club continues in its even tenor, the grass on Ogden Field is growing luxuriantly, the moon is shining, the stars keep on their twinkling, the air is balmy, the night is dry, though the year is at the spring. The night is beautiful! Ah, it is a fine night for a cremation.

And why should you not grieve? Has not Mathematics been your constant companion? Have you not shared its joys and sorrows, mostly its sorrows? And still you mourn not. The night is fast going, but there is no sign of mourning. As I look through the assembled populace I see but three tiers. But oh, I must weep for Mathematics, for

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it is dead. Oh, let us all weep for Mathematics, determined that our fiery tears shall, this very night, make Mathematics an echo and a light to posterity.

Most musical of mourners weep now. Oh, weep for Church's Mechanics. Not all to that bright station should climb and happier they who knew him not, nor burned tapers for him through the night. Oh, weep with me for Church's Mechanics, yet wherefore weep, for he is seen to go where all things wise and good descend and are soon forgotten. But if I should live a thousand years I could never forget you. Oh, Church, to live up to your name you have put many to sleep. Oh, Church's Mechanics, 'tis hard to believe that one with a name so holy should inspire expressions unholy. Oh Church's Mechanics, a creature to conjure with. We swear by thee, oh, how we swear by thee. The oath of the Musselman by Mohammed's beard is not so terrible as the oaths you have provoked. Weep, weep for Church's Mechanics, for Church's Mechanics is enough to make anyone weep.

Most musical of mourners weep again. Lament now for Campbell's Calculus. And thou, oh Campbell's Calculus, has thou come to this pass? We, your former companions, were satisfied to pass any old way, but you, you are to pass in a blaze of glory, amidst the admiring gaze of the cheering multitude. Oh, thou producer of infinite trouble. You are fast approaching your limit. Before the night has passed you will have disintegrated. From a maximum of body the only derivative will be a minimum of ashes. Oh, Campbells' Calculus, born in a spirit of inspiration thou has brought naught but perspiration.

Most musical of mourners weep anew. Sound the dead beat of the muffled drum for Freshman pamphlets, for the youngest one of all has perished. Thou most paradoxical

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of this triad of Mathematics. At once a stepping stone and a stumbling block. A stepping stone for those who forsake the downy pillow to keep the vigils of the midnight lamp. And to what purpose? I know you cannot pass Freshman Mathematics with E's. But what prospects are there? The mediæval Palmer who traveled o'er the Leigh, returned with a palm leaf as a reward and mark of his pilgrimage, but after a year of traveling the rocky road of Mathematics, after a year of pushin', scramblin', fightin', strugglin', and Joslyn, he whom we saw in Autumn so gay, so fresh, so green, so full of spirit, comes forth in the spring full of spirit, but no longer gay, no longer fresh, no longer green, but wearing the colors of the Down and Out Club, the black and the blue.

But there is no rest for the weary wanderer. He Riggs out another expedition for the Desert Calculus, with only a Campbell for a companion. But how different he who lies still in dewy sleep. Awake him not; let him sleep; let him take his fill of deep and liquid rest, forgetting all that is ill. Such a one is undismayed by the Joslyn, he goes through and comes out feeling E'sy and full of hope for the future, and he is on hand the next year to repeat the journey.

I see I have made you weep. As I look into your eyes I can see the lumps in your throats. The attentive gravity of your countenances show me that you have suffered while I have been speaking. But wait, wait until you hear Mathematics' last testament and will, then will your sorrow know no bounds. Mathematics has left you, but wait until you hear what he has left you, then you will suffer of agonies as I suffer when I think of all that he did for me during his life. But let not our sorrow make us forget the duty we owe to our departed friend. His last wish was that he be cremated, so put on a smiling face and bring in the fagots, the fateful hour has come!

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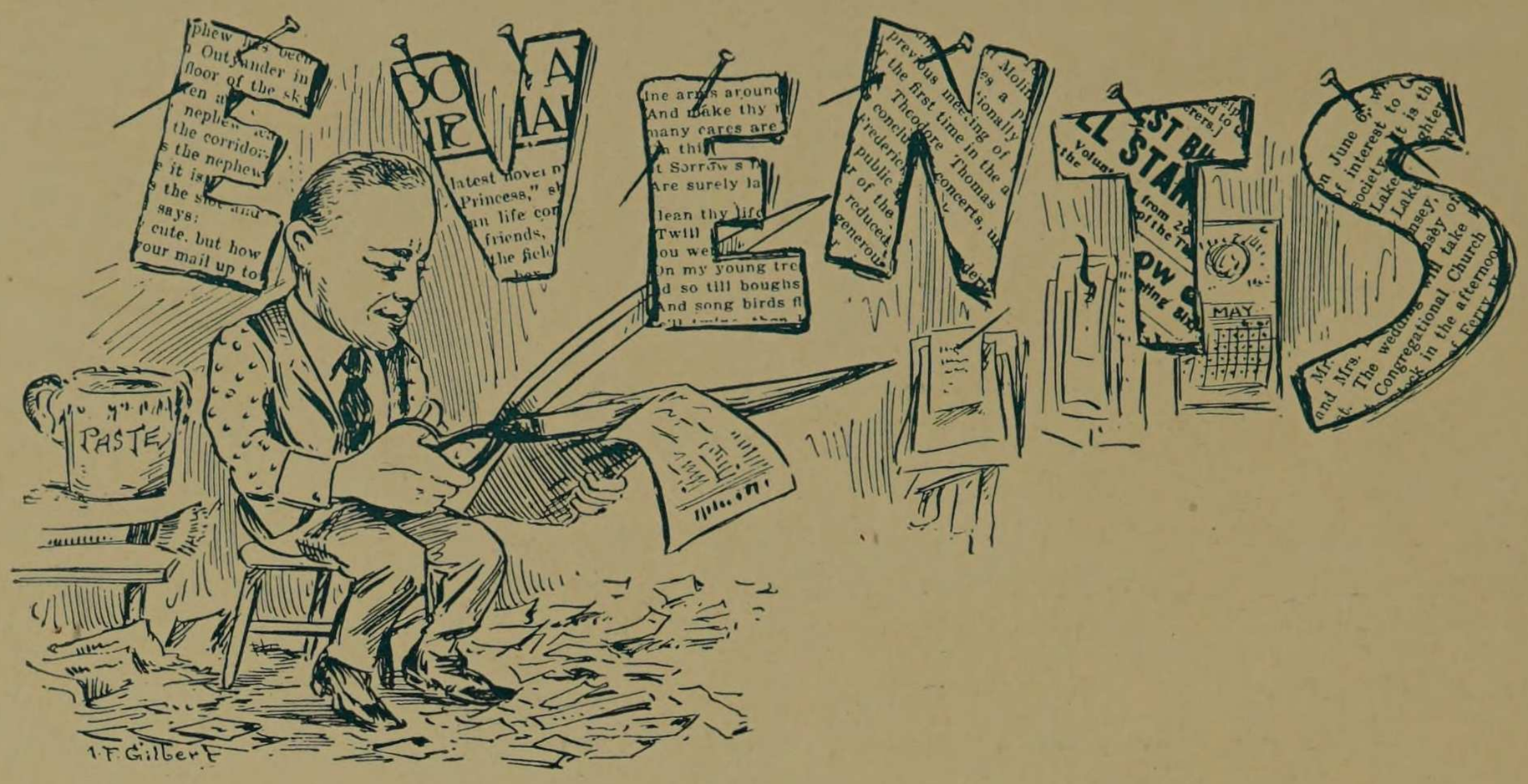


1906

September 17. Registration Day; Fulcrum "on deck"; Starin appears with a Kaiser Wilhelm mustache; two juniors seen arranging programs so as to have "Mech Lab" come on Thursday and thereby get benefit of Thanksgiving holiday; O. R. Newman gets married.

September 18. School begins; classes are thin; nobody at drafting.

September 21. First assembly; Dr. Gunsaulus welcomes the Freshmen.

September 24. Sophomores vote to substitute the candy-pull for the rush.

September 25. Juniors and seniors "take sides"; great doings; no classes; etc.

September 27. Second assembly; Mr. Protheroe sings "Danny Deaver," "Philadelphia," and others of his popular songs; Choral Society suggested.

September 28. First Fulcrum out; it gets ahead of the first number of the previous year in announcing marriages by a score of 7-4.

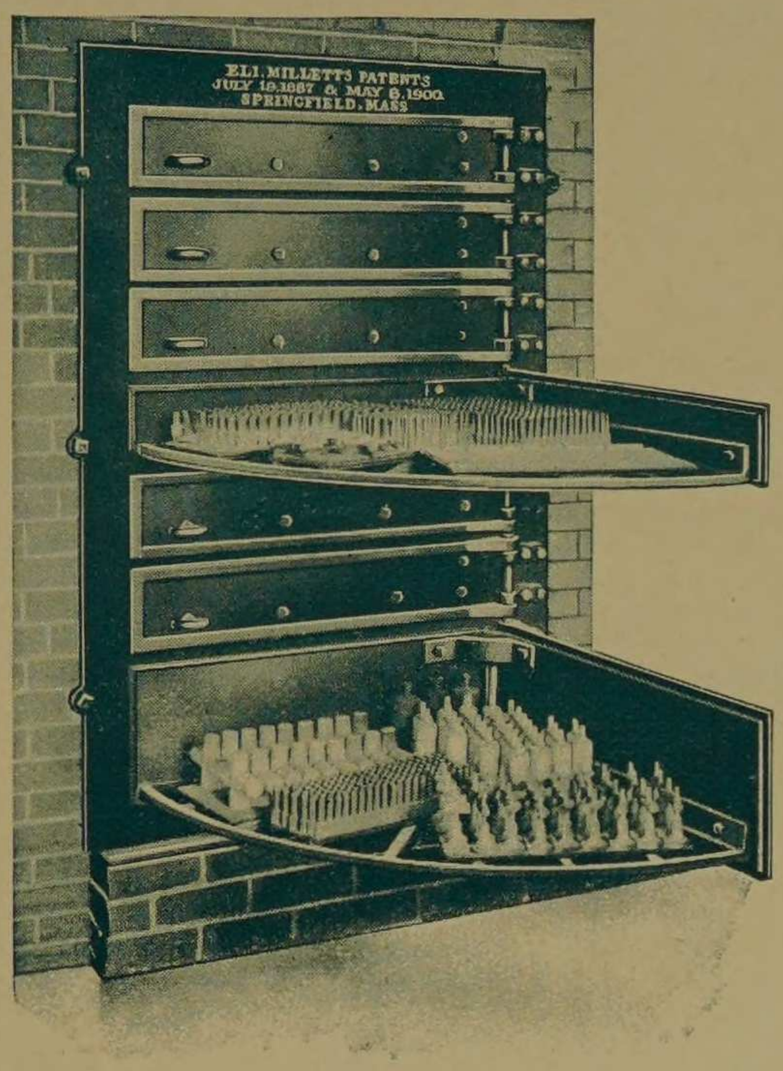
October 1. Two weeks gone — but "O My."

October 3. Y. M. C. A. starts meetings — Dr. Scherger addresses the organization.

October 4. The Nebraska Club holds its first meeting.

October 5. Freshman Handshake; first Choral Society rehearsal.

October 6. Juniors defeat freshmen at baseball 15-12. Sophomores do the same to the seniors 9-1.



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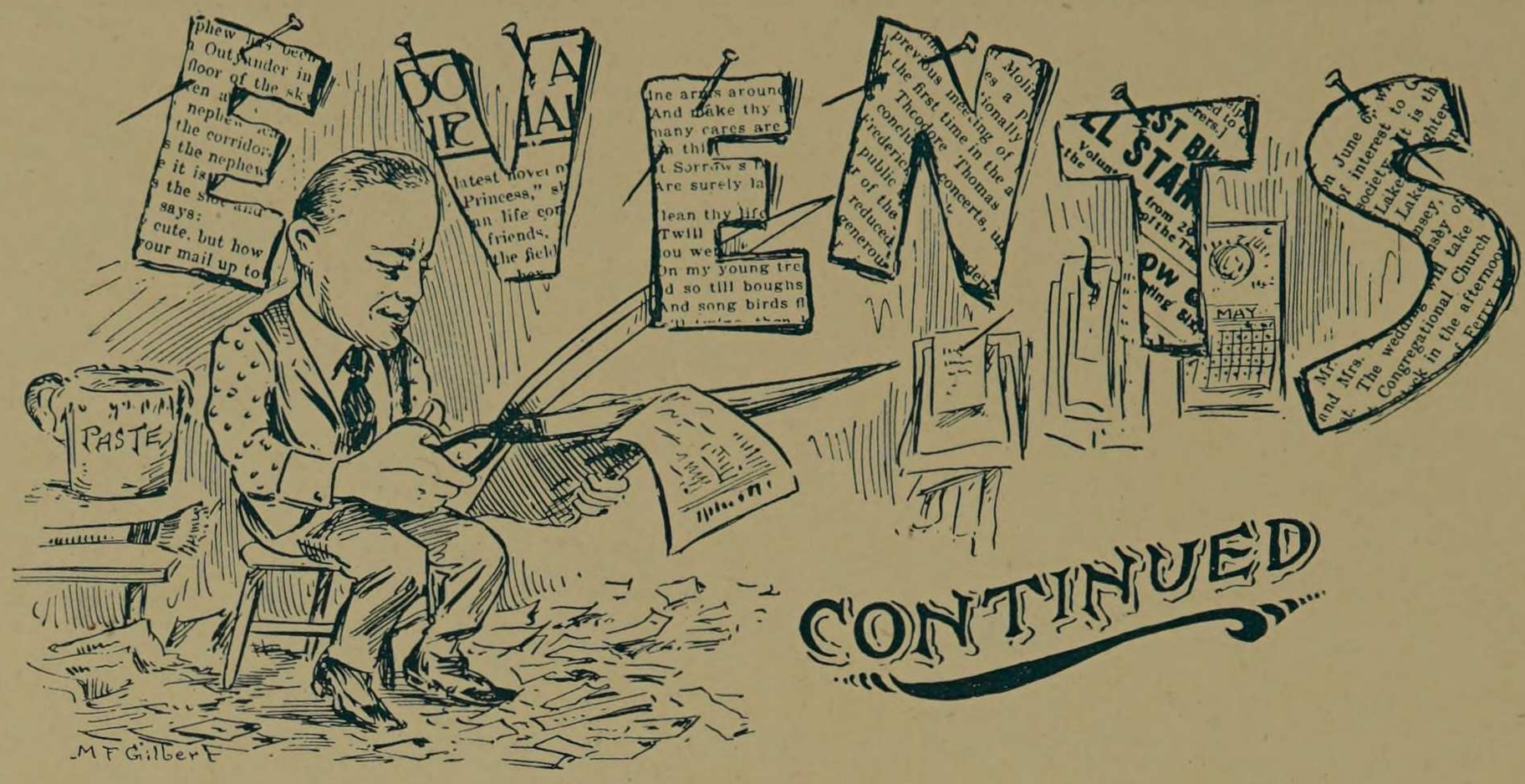

1906

October 8. (Friday) No assembly so can't get out of the 11 : 30 class.

October 9. Valerio writes article for "Mothers' Magazine."

October 10. Civils spend day getting seats and watching the "White Sox" and "Cubs" play.

October 11. Dr. Thomas talks to freshmen; first meeting of Mandolin Club; (who says the clubs at Armour are dead?); sophomores defeat seniors at basketball 39-18.

October 12. Camera Club takes the cob-webs off of its walls and gets busy; Choral Society rehearsal and try-out for Glee Club. Freshmen and juniors "tie" in a game of basketball at 25-25.

October 13. Double header at baseball; '07 defeats '10 by score of 10-6; '09 defeats '10 by score of 6-3.

October 15. Perkins says "Gol" right in front of some boys, too.

October 16. Drafting rooms are beginning to be populated.

October 17. How we miss the assemblies.

October 18. Friedman gets a cigar from Coffeen by saying, "I don't care for one" when "H. C." offered one to another instructor.

October 19. Crabbs picks his art editor. She is young and beautiful.

October 21. Something is wrong. Perry dismisses his Valve Gear class on time.



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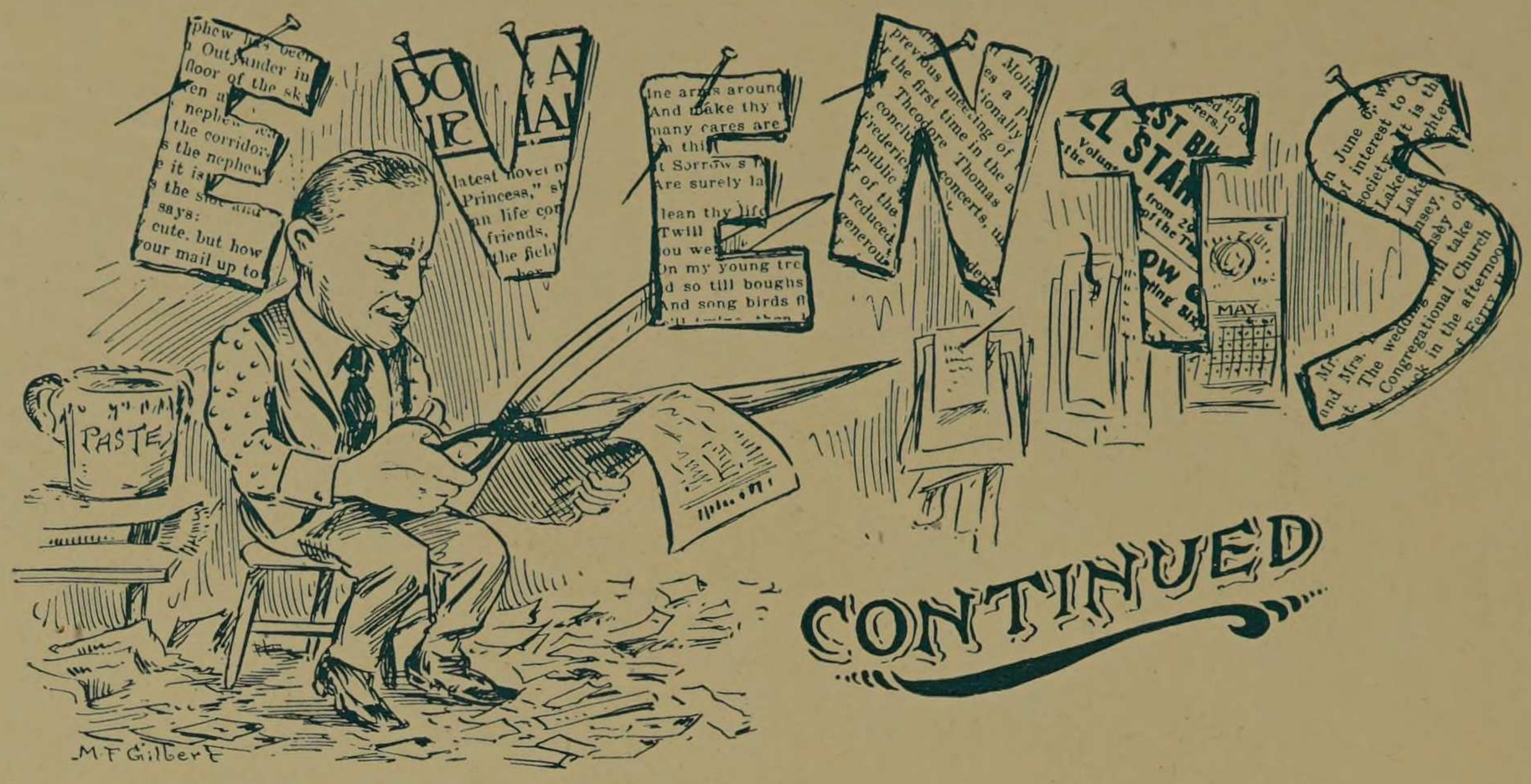

1906

October 23. Pat Crow gives this class in Roads, Streets, and Pavements, one of their many holidays.

October 24. Wilcox forgets himself and gives a holiday. Two in two days — is the school or the world coming to an end?

October 25. Second Fulcrum appears, containing an Electrical article, written by a junior would-be mechanical.

October 26. Glos remarks that bangs are becoming to Prof. Perry.

October 29. H. R. Badger lies awake all night planning for the "Smoker."

October 30. Great celebration of '08 winning the baseball championship.

November 1. Burge goes to sleep on train and rides four miles beyond his burg when going home.

November 2. The Tech defeats Academy of Fine Arts at basketball, 54-10; "Smoker" with following "Promenade," "Police, Help."

November 3. Delinquents return from "Smoker."

November 5. Nothing doing to-day.

November 6. "My Kingdom" for an assembly.

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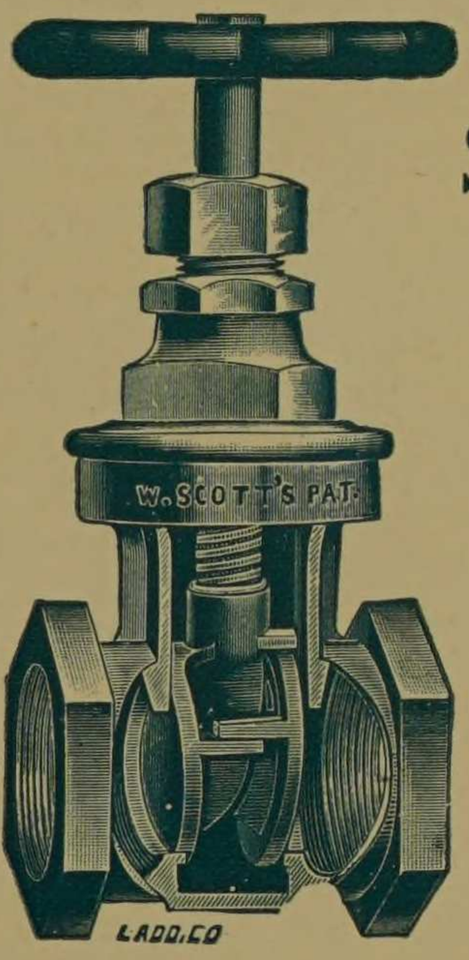

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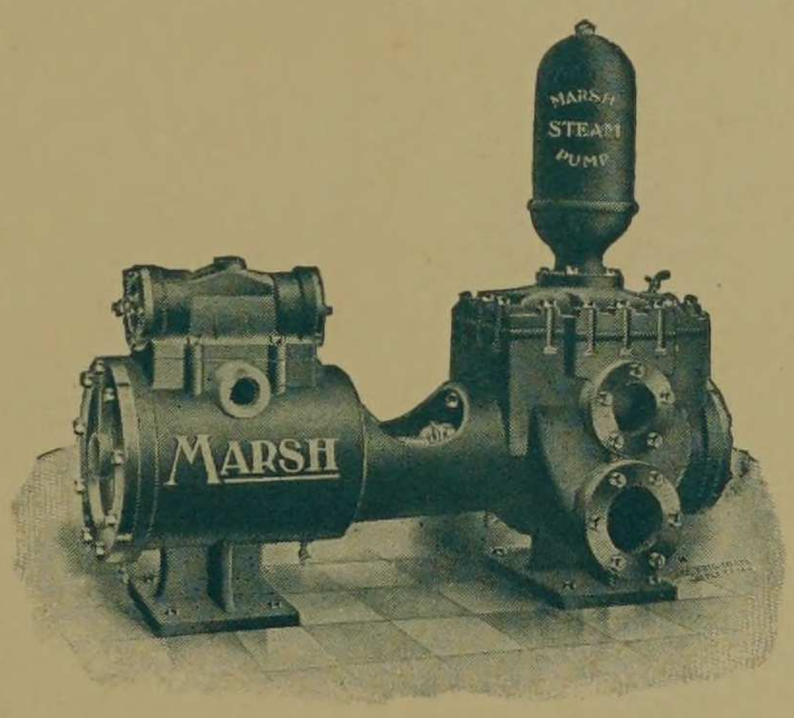

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1906

November 7. Perry sees Ebner hesitating about coming into drafting an hour late, so goes out after him — Eb. came.

November 8. Another one of Packer's girls turns him down — he only has an even dozen left.

November 9. Sturtevant went out to the University for lunch again.

November 12. Perry uses his famous expression, "Well, Man Alive," six times, to the amusement of the Valve Gear class.

November 13. Wilcox says we are all gentlemen except those that sit in the back row.

November 14. Trinkaus makes a recitation??? Hurrah!!!

November 15. Jones threw one of his many fits to-day.

November 16. Urson stars to-day and recites in Electricity; he sits in the back row now, side of Hooper.

November 19. Holmboe says his girl turned him down.

November 20. Holmboe has his smile on to-day. I guess the phone was working over-time last night.

November 21. Faculty Club entertains. The best Hydrox was used.

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1906

November 22. Joe Howard said his morning class had increased in members (if possible) since the store was put in.

November 23. (Friday) Skidoo for this week. Third Fulcrum out, containing a long-winded extract from August Fry's thesis.

November 26. Riggs says if Urson passes Calculus he will give the class a holiday.

November 27. Urson got a 40 over 40 quiz to-day. Maybe the class will have a holiday this time.

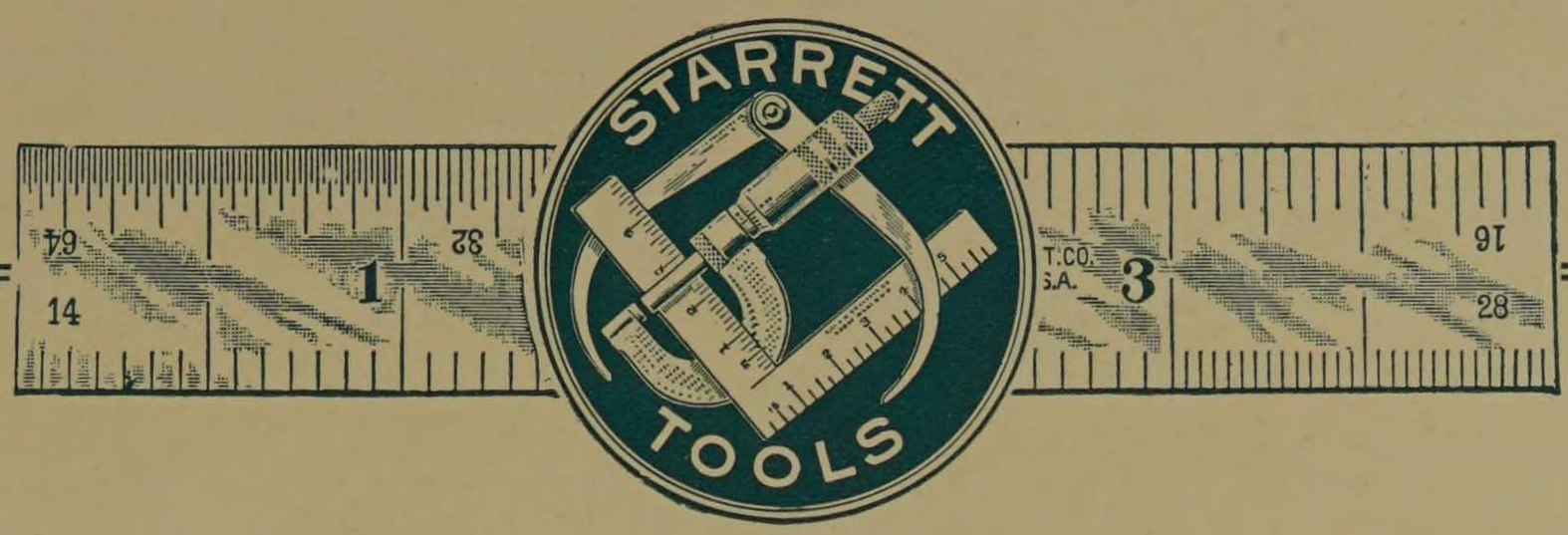
November 28. Assembly — Dorothea S. Hoaglin reads, and Calvin Cox, tenor, sings. Dick resigns from Fulcrum staff and Harvey is elected to fill his place; drafting boards begin to find their way to the students' homes. Business dull in the "Beanery"; inference, Thanksgiving dinner to-morrow.

November 29. Holiday.

November 30. Still holiday; Wheaton defeats Tech at basketball, 35-28.

December 3. Shops, drafting rooms, chem and physics labs., electrical lab., etc., overworked.

December 4. Senior dance programs appear in numbers.



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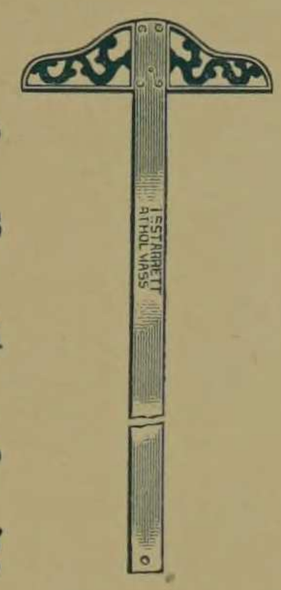



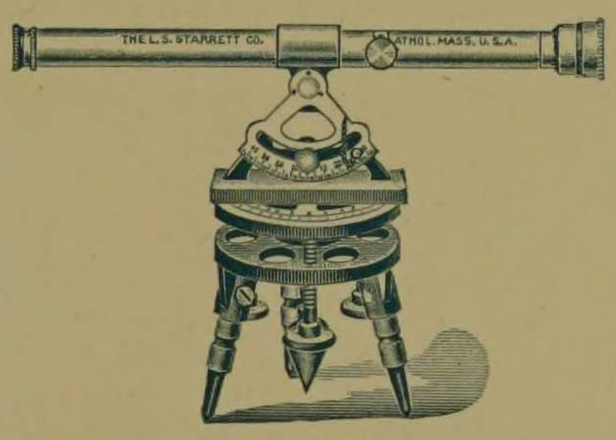

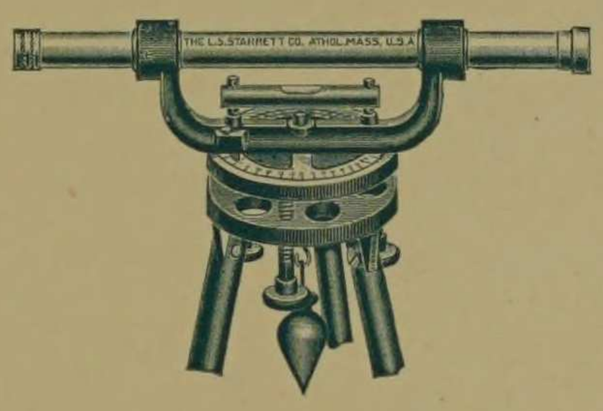



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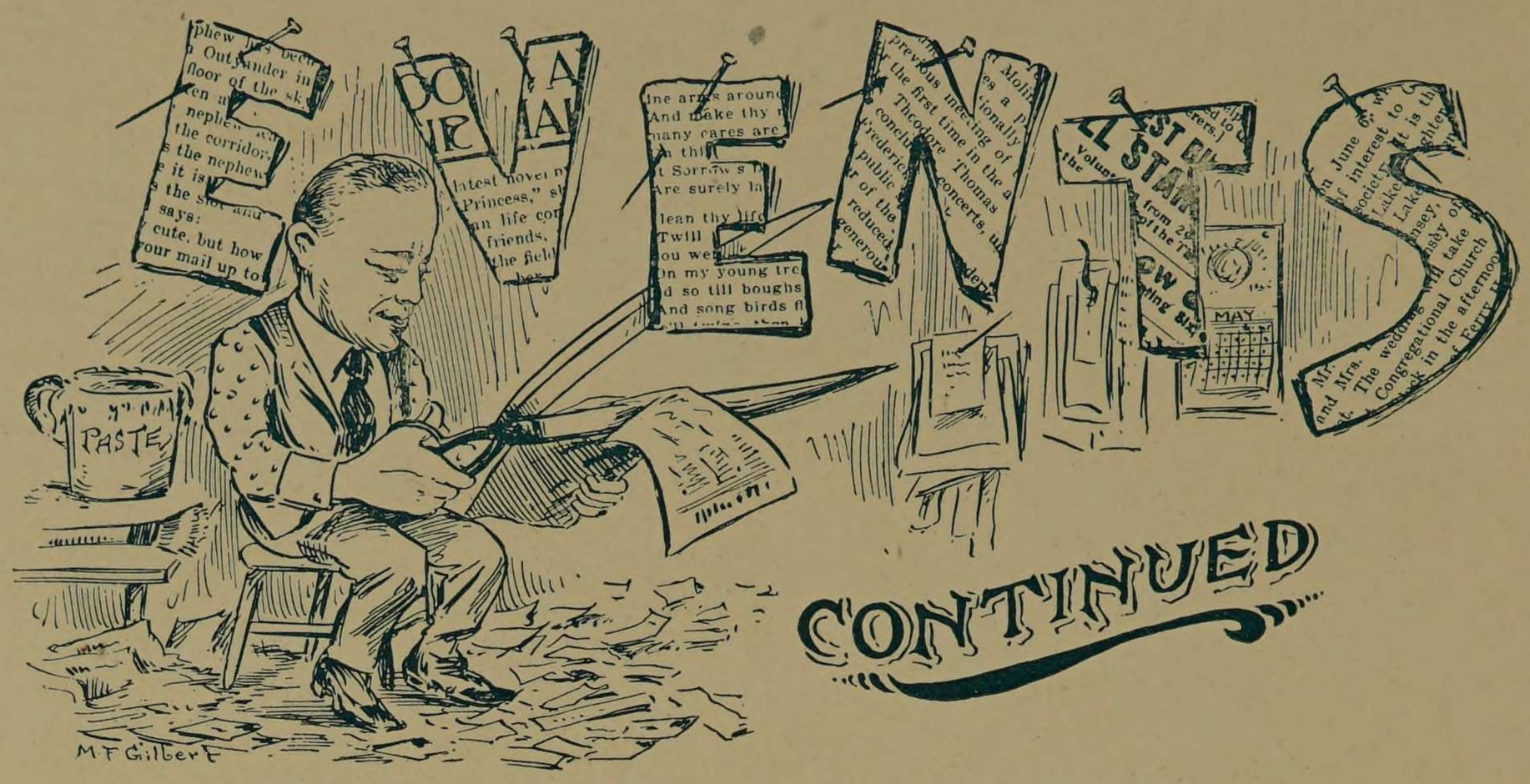

1906

December 5. Standard Oil doing a big business at midnight; exams ten days off.

December 6. The senior dance committee have money to burn.

December 7. Last day for physics lab.; everybody busy; senior dance, a grand success.

December 10. Physics lab reports appear in numbers.

December 11. We all get jobs, selling toys, etc., for holidays.

December 12. A few strange faces noticed in the halls; final exams start.

December 13. Botteron gets instructions to put his drawing in the sink and turn on the water.

December 22. Mid-winter banquet and business meeting of the Alumni Association at the Grand Pacific; Fulcrum made the official organ of the association.

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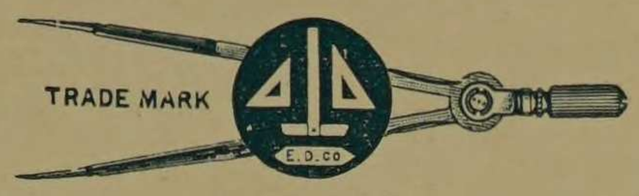

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January 2. Registration day; subscriptions taken for our Integral.

January 3. We start to burn the money we made yesterday.

January 4. The fire is out.

January 5. Harvey defeats A. S. A. in first basketball game of the term, 32-15.

January 7. Junior fire-protects, Eyers & Thomson, banquet; a very enjoyable time was had.

January 8. Stillman gets to school in time for an 11:30 class.

January 9. Mr. Pearsons gives first talk and recital of winter term; recitations are taken from works of Eugene Field.

January 10. The Checker and Chess Club forms and begins action in the Y. M. C. A.

January 11. Professor Wilcox delivers an experimental lecture with Liquid Air for the three upper classes.

January 12. Lake Forest Academy defeats the academy at basketball, 44-16.



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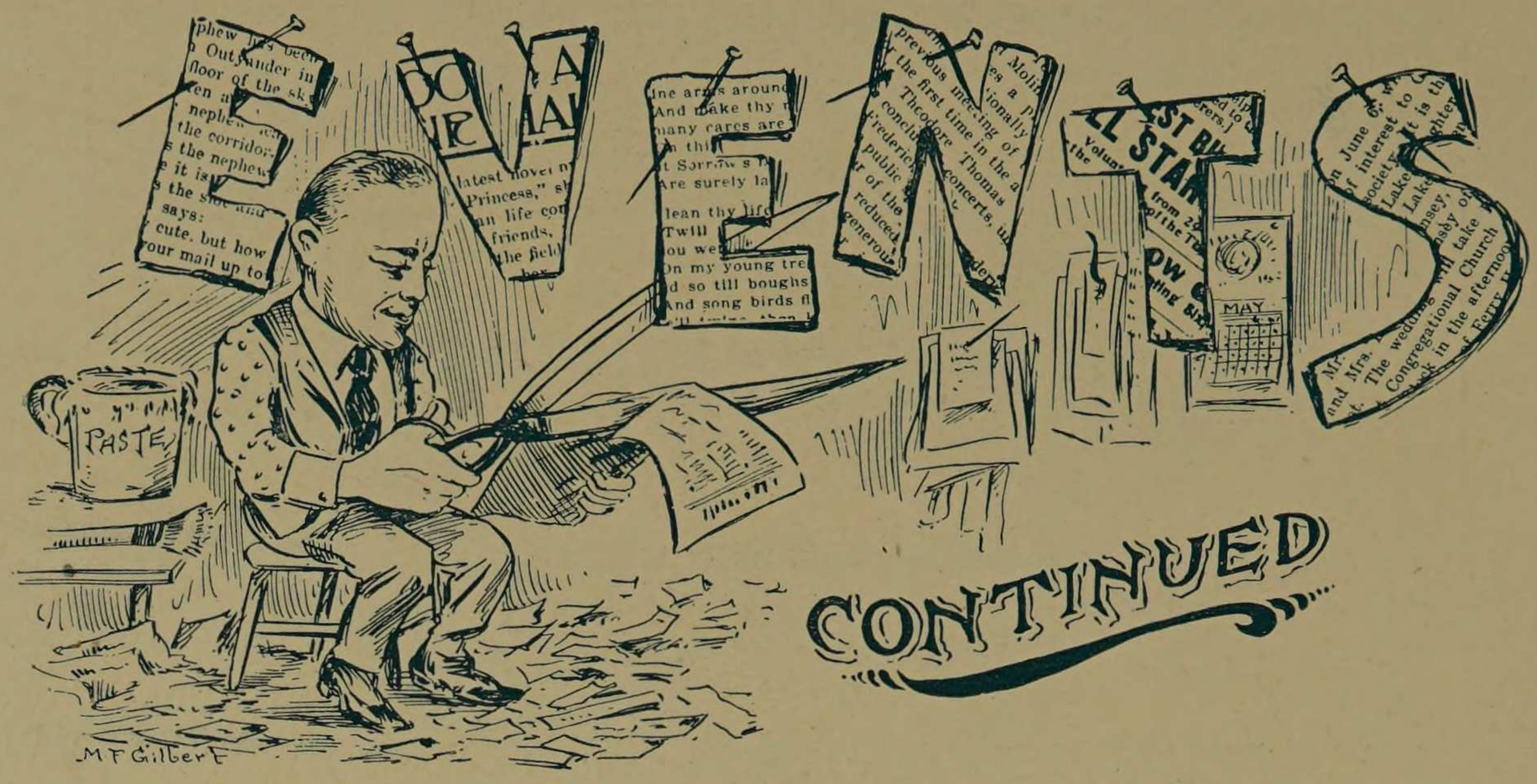


1907

January 14. St. Cyril College "puts it over" the academy in basketball, 38 to 25.

January 15. "Double Header": U. of C. defeats the Tech at basketball in Bartlett Gym., 65 to 16. A. I. T. also defeated by Cardinals of Central Y. M. C. A., 35-28.

January 16. Another assembly —"Gypsy Smith" delivers an address. He announces that "anybody can be a Doctor," and glances at Dr. Gunsaulus. Applause.

January 17. College election for members of Board of Athletic Control — Trinkaus, '08, secures this position. In its second basketball game with Harvey, the academy "turned the tables" and won, 30 to 13. Freshman dance — a grand success — real frappe served —Lakeside.

January 19. Northwestern defeated A. I. T. in basketball at Naperville, 41 to 19.

January 21. Sturtevant still in physics class, the con exam has not taken place.

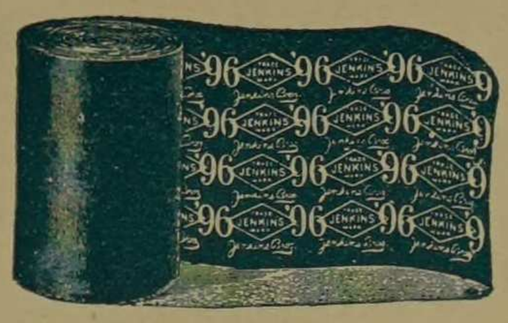
January 22. Stevens is rumored a sure Tau Beta Pi.

January 23. After several heated meetings Ballagh is elected manager of the Annual Photo Exhibit of the Camera Club.

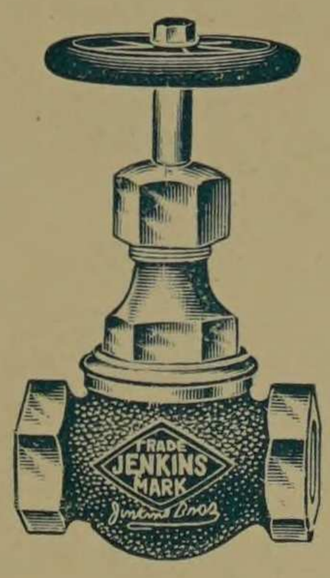
January 24. Rumors that Glee Club will take several trips.

January 25. Still another assembly. Dr. D. L. Hillis delivers a lecture on Ruskin.









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January 26. Morgan Park defeats A. I. T. at basketball, 47-30.

January 28. Packer decides to pass calculus this time—maybe.

January 29. Leininger, '06 gets, married.

January 31. January Fulcrum appears.

February 1. Dr. D. F. Fox delivers lecture on "Dante" and "The Greatness of Florence and the Crusades." Academy defeats Chicago Normal, 30 to 17, in basketball.

February 2. Faculty Club gives a smoker. Who would have thunk it?

February 3. Shedd falls out of bed and collects accident insurance.

February 4. The flunkers flunk physics again.

February 5. Radical X Club meeting. Freshmen elected. Hayden starts the Phi Beta Tau fraternity. Only those eligible who have flunked a subject at least four times.

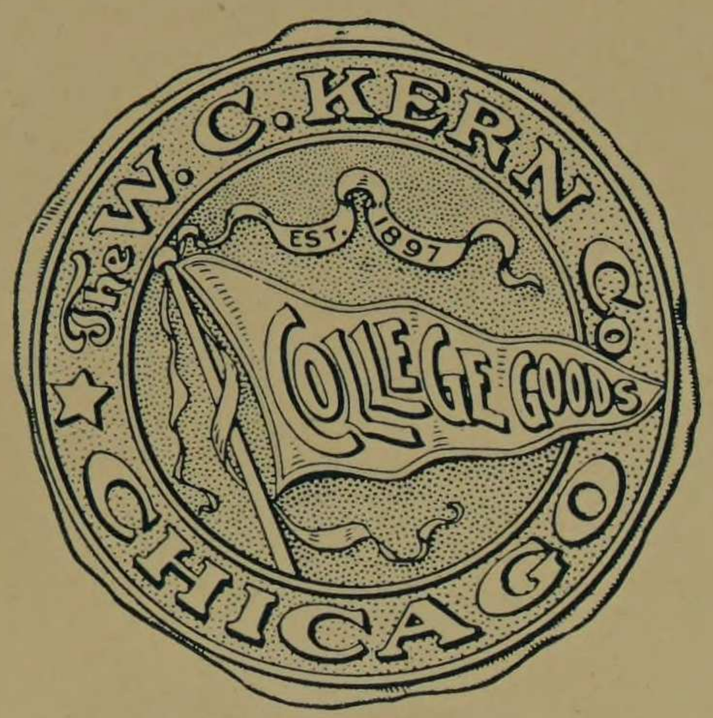
February 6. Urson and Paul made charter members.

February 7. The architects give a dance.

February 8. Mr. Edwin D. Mead, Secretary of the International Peace Commission, addresses the students on "The United States and the United World."

February 9. The Tech defeats Wilson Ave. Y. M. C. A. at basketball, 31 to 25.

February 11. Monahan surprises Leigh and recites in calculus.



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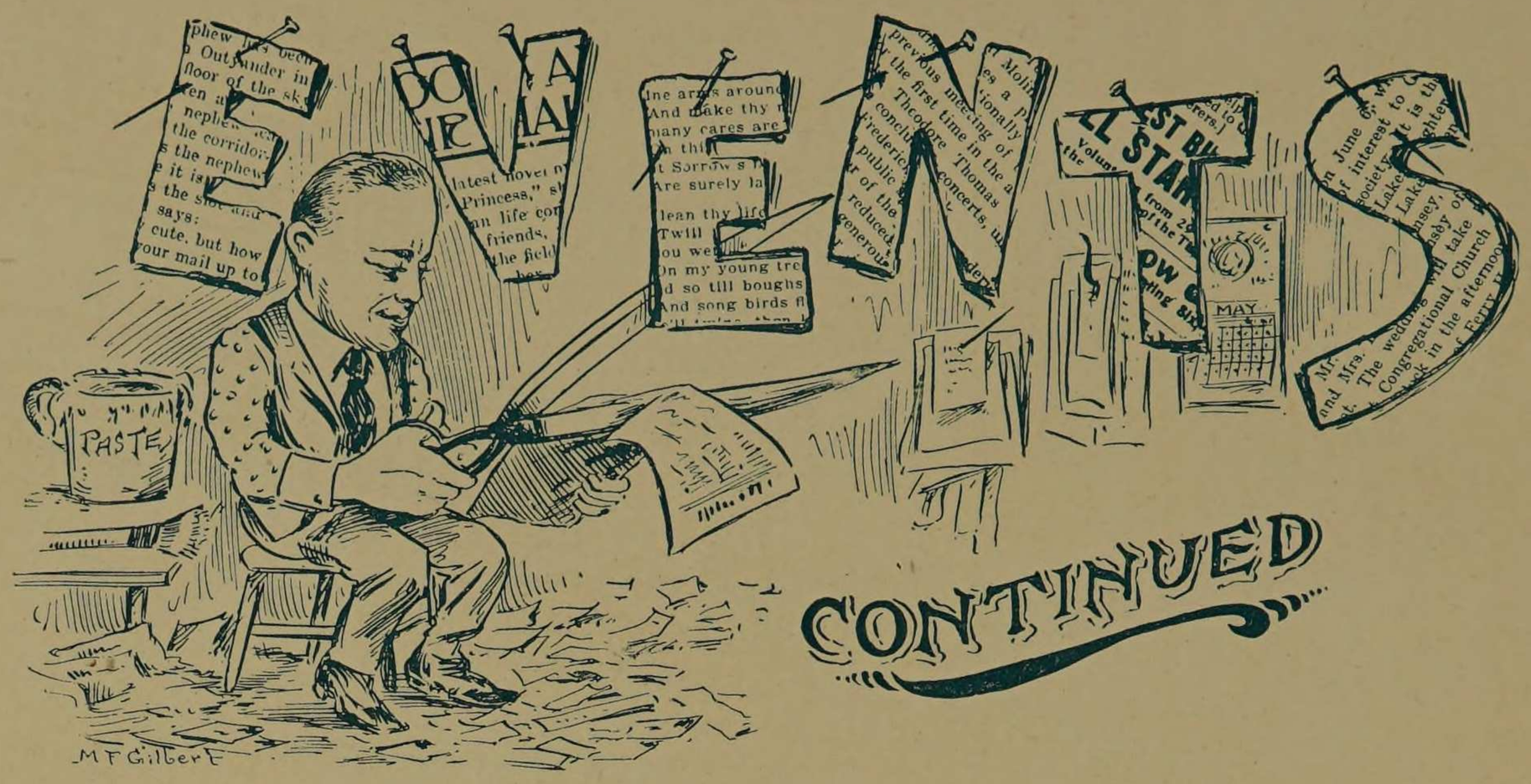

1907

February 12. Shedd fills the bath tub and pulls out the plug, and thinks he has had a bath.

February 13. Lewis defeats A. I. T. at basketball, 25 to 22. A large number of Armour rooters accompany the team to the West Side.

February 14. Eyers attends a Valentine party and meets the lady "of his own heart."

February 15. A. I. T. defeats Waukegan at basketball, 40 to 30. Mr. Isham Randolph, Chief Engineer of the Sanitary Canal, addresses the students on "The Waterways of America," and speaks about the Panama Canal.
The '10 Radics are given a welcoming banquet by the upper class Radics.

February 17. (Sunday) Eyers calls on his new "lady friend."

February 18. Getting tired looking at bulletin board for news. Nothing new.

February 19. Forgot to look to-day. Don't think I missed anything. At least, Perkins says not.

February 20. Eyers finds his new friend has a big brother.

February 21. Rev. Rufus A. White, of the Board of Education, gives an illustrated (colored slides) talk on "The Footsteps of George Washington."
A. S. A. wins banner in relay and other points at an indoor track meet held in First Regiment Armory.

February 22. Holiday.

February 24. (Sunday) Ditto last Sunday.
Holmboe announces his engagement.

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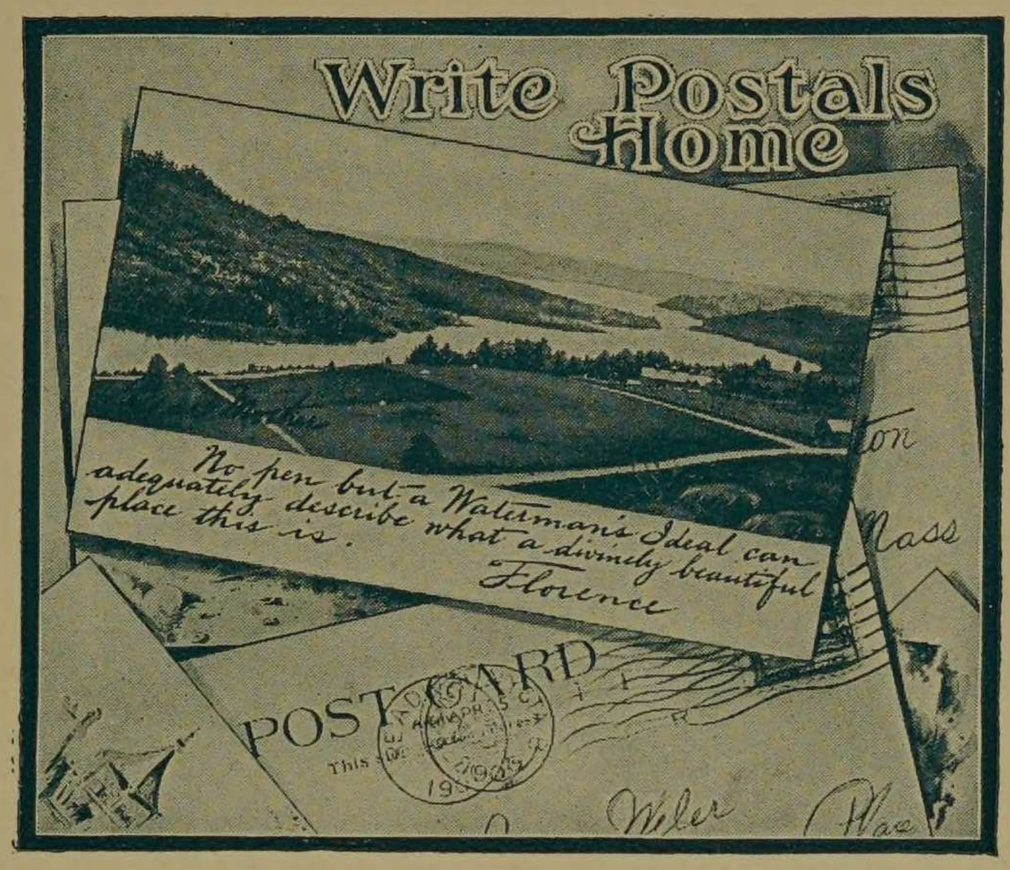

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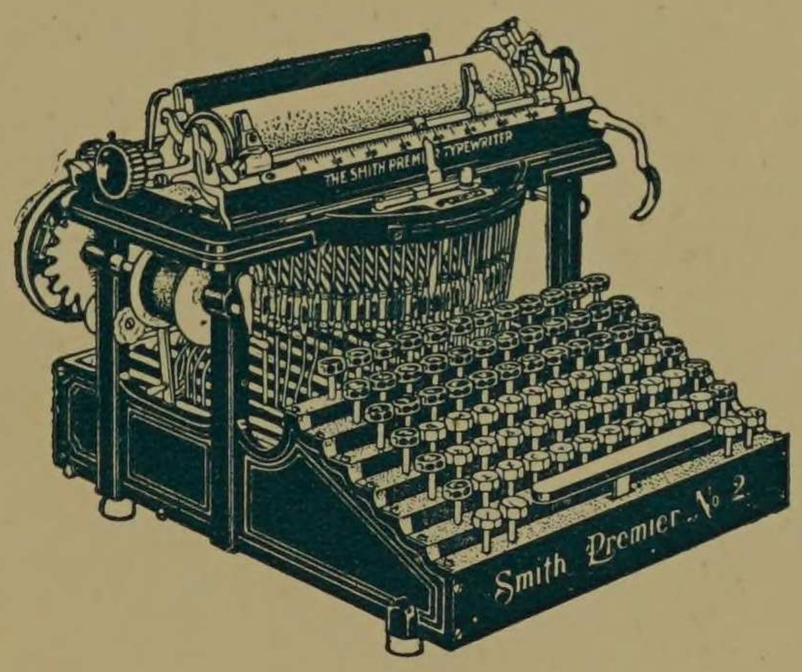

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February 25. Another rumor of trips for Glee and Mandolin Clubs — but none of the real articles.

February 26. Coffeen comes around to R. A. Perkins, who sings at church every Sunday and says, "Well, Perkins, you're quite a singist."

February 27. Another one of Coffeen's jokes.

February 28. February Fulcrum out — best yet. It defines "Faculty" as "a trouble-some organization that interferes with student enterprises." In return game with Lewis, the Tech wins, 45 to 41. "That helps some."

March 1. Academy defeats Lake Forest basketball, 34 to 32. Architects banquet-rather frivolous.

March 3. (Sunday) Ditto last Sunday and henceforth on Sundays.

March 4. A. S. A. track team try out at Bartlett "Gym."

March 5. The Tech again defeats the Wilson Ave. Y. M. C. A. at basketball, 37 to 33.

March 6. Prof. Wilcox expounds on a "wedge-shaped piece of air."

March 7. Prof. Wilcox lets off a few wedge-shaped pieces of hot air.

March 8. Sophomore dance at Colonial — fine crowd, fine music, and fine time, despite lack of frappe. A. S. A. defeats Morgan Park, 38 to 24, basket-ball.

March 11. No Glee and Mandolin Club trip yet.

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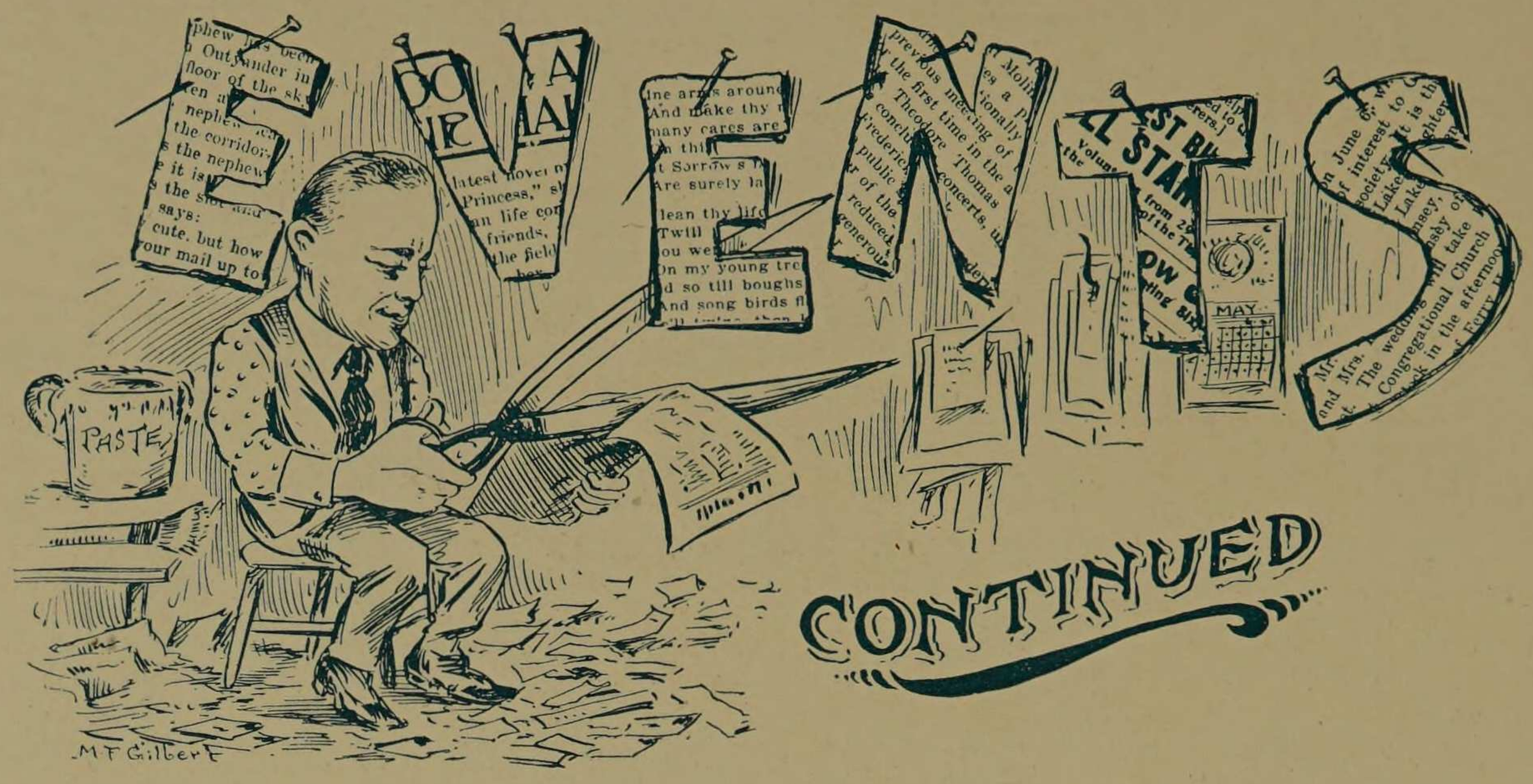

1907

March 12. Eyers-Thompson Company formed.

March 13. A new game started at Joe's.

March 14. Eyers-Thompson Company disband (See Prof. Finnegan).

March 15. Academy loses to Morgan Park Academy at basketball, 28 to 25.

March 16. Purdue defeats A. I. T. at basketball, 26 to 16.

March 18. Mrs. Lulu Tyler Gates gives several recitations and wins applause, laughter, and tears.

March 19. June weather begins but ends before vacation has progressed very far —just our luck.

March 20. Examinations begin. Oh, my!

March 21. Temperature 86°. Activity shown in baseball practice.

March 22. School closes.

March 23. Packer starts on his round of social calls.

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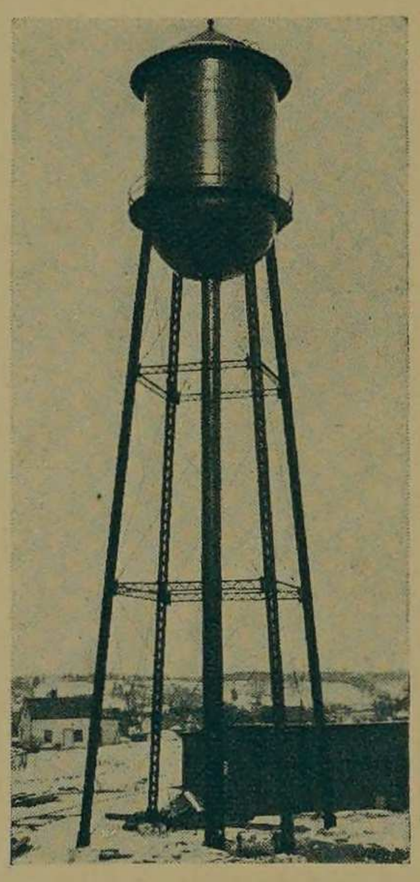

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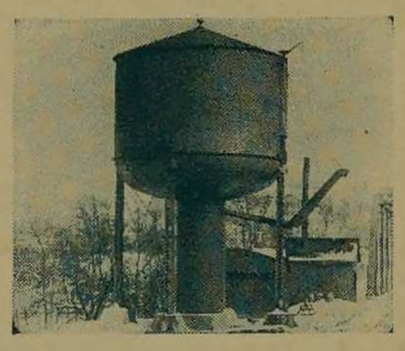

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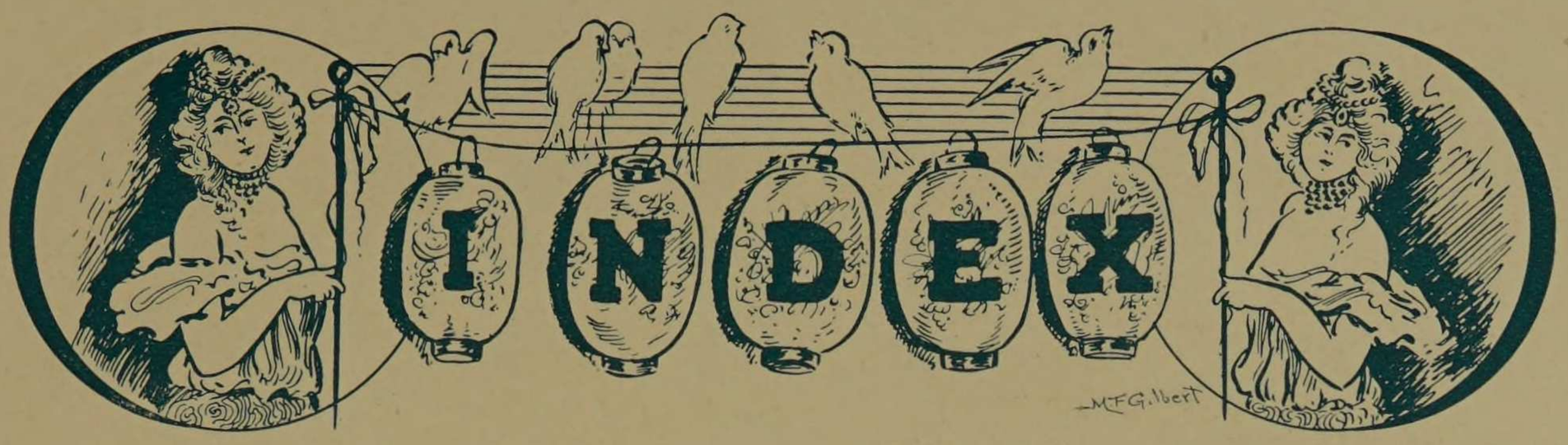

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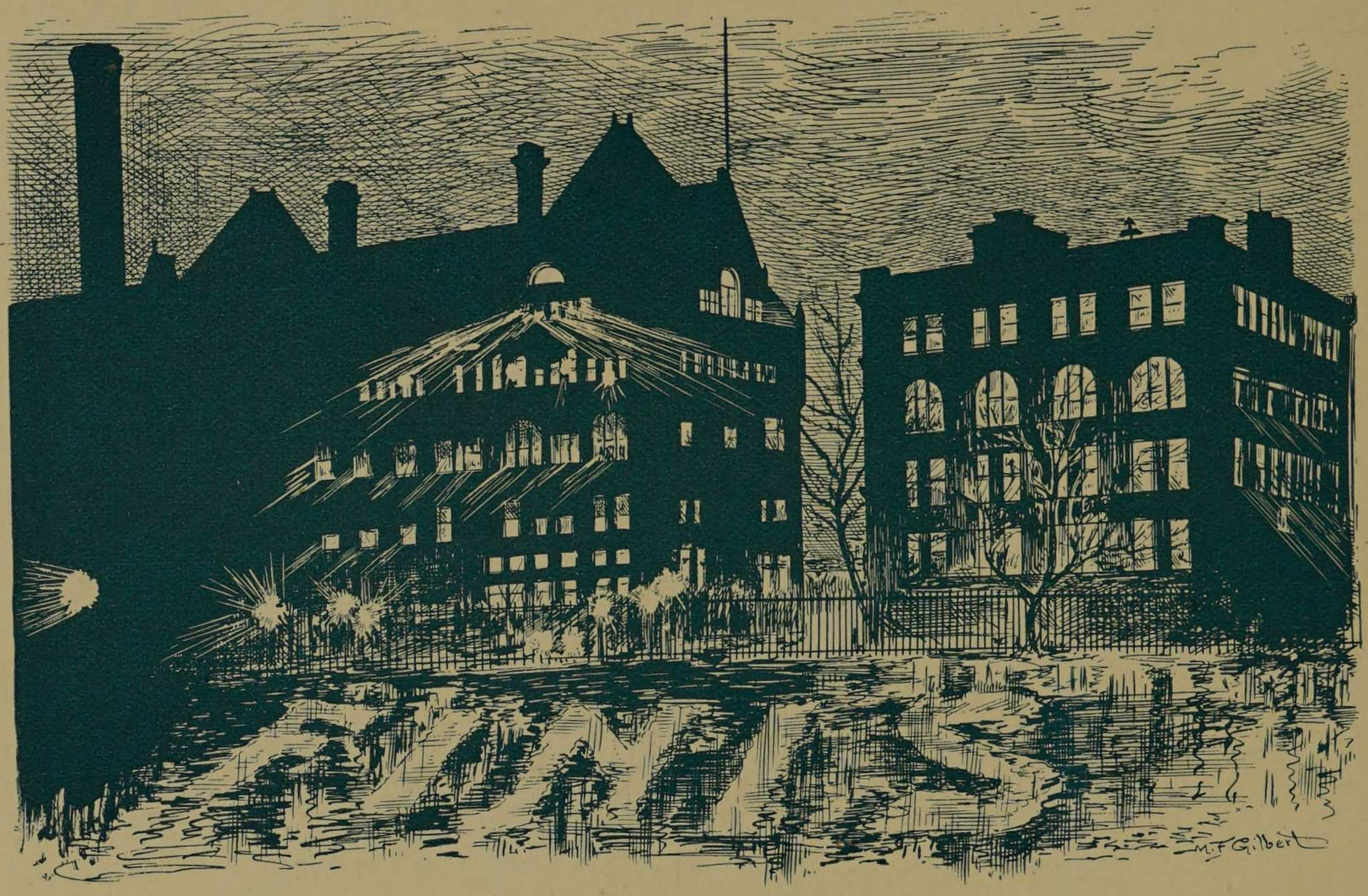
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