1915



THE A-I-T CYCLE


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The Cycle

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ANNUAL OF

Armour Institute of Technology

CHICAGO
ILLINOIS

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of the College of Engineering

Volume Three: Nineteen Hundred and Fifteen

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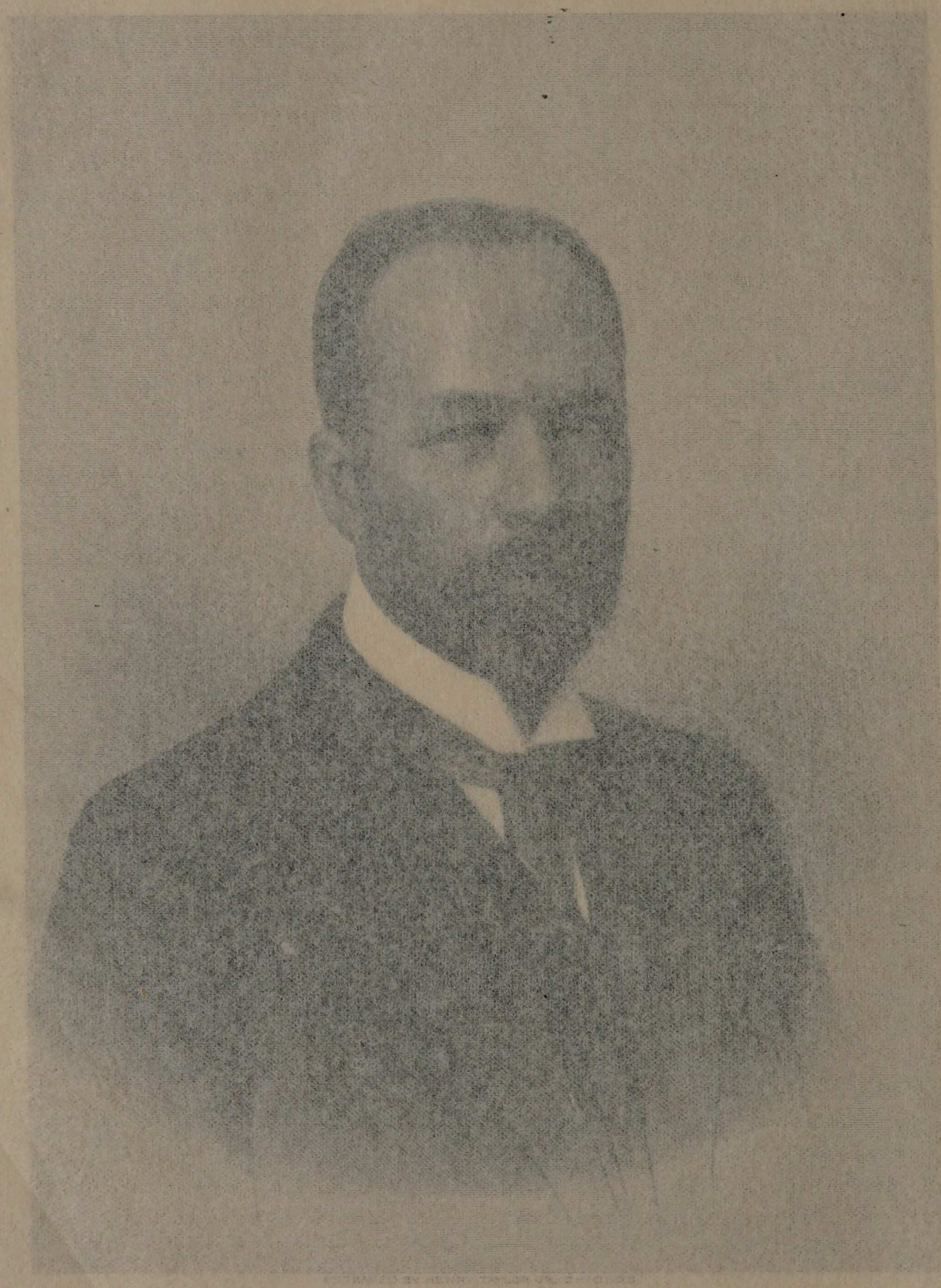


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The editors of the Cycle 1916
respectfully dedicate this volume
to

Guy Maurice Wilcox

During all these golden, glowing years men in under-graduate life have toiled and fought: have won renown or have suffered disappointment. It is in those disappointing moments that we confide in one who will understand us and whose sympathetic disposition and loyal friendship will inspire us. And so in appreciation of this well lasting inspiration the class of 1916 dedicate this volume to Guy Maurice Wilcox.



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In Memoriam

Howard Byers Stafford
Class of 1917

Phi Kappa Sigma
Atelier

Clifford D. Wight
Class of 1915

Sigma Kappa Delta
A. S. M. E.
Y. M. C. A.
Glee Club
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MEMORIES



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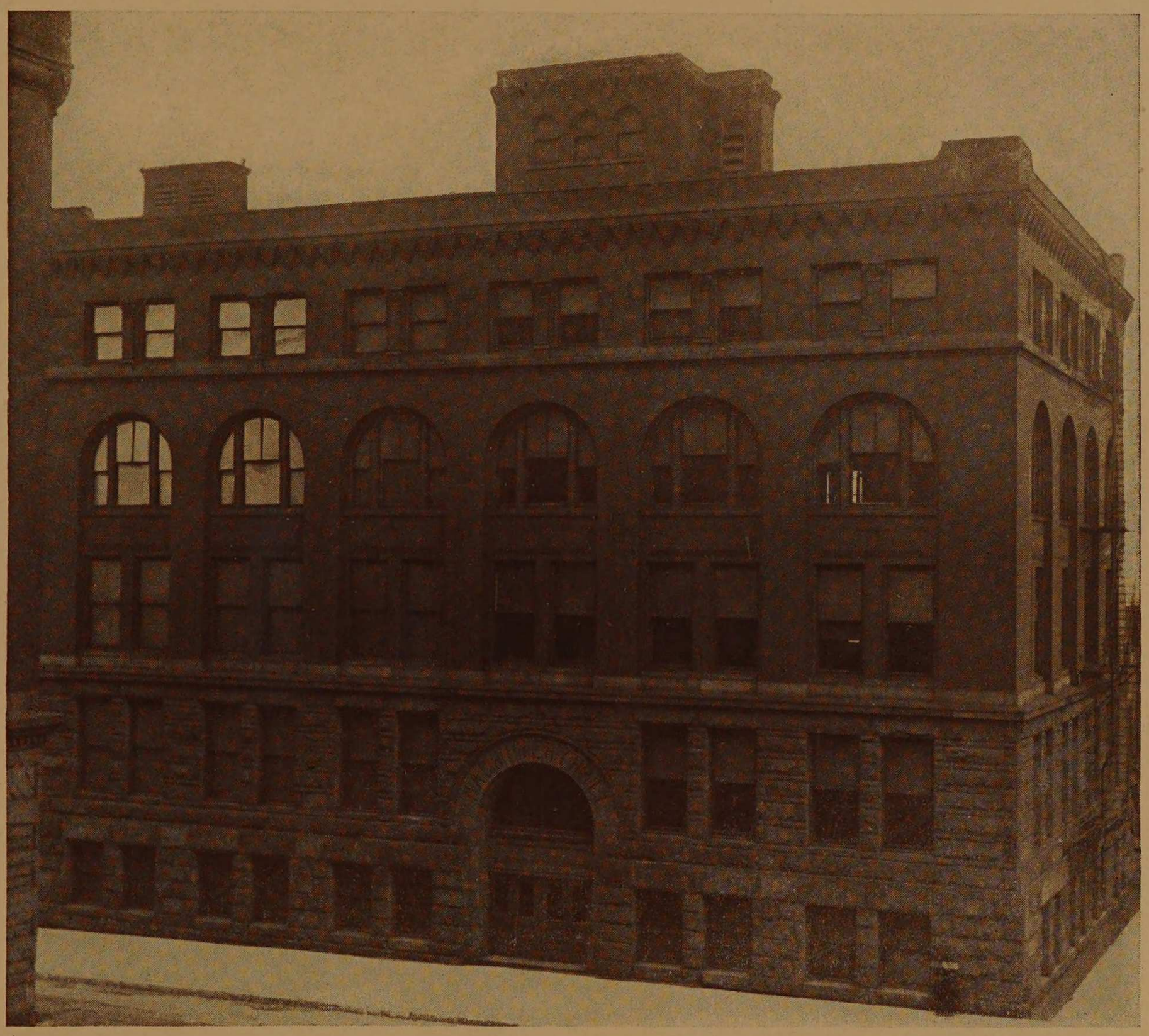
On Our Way to the "L"



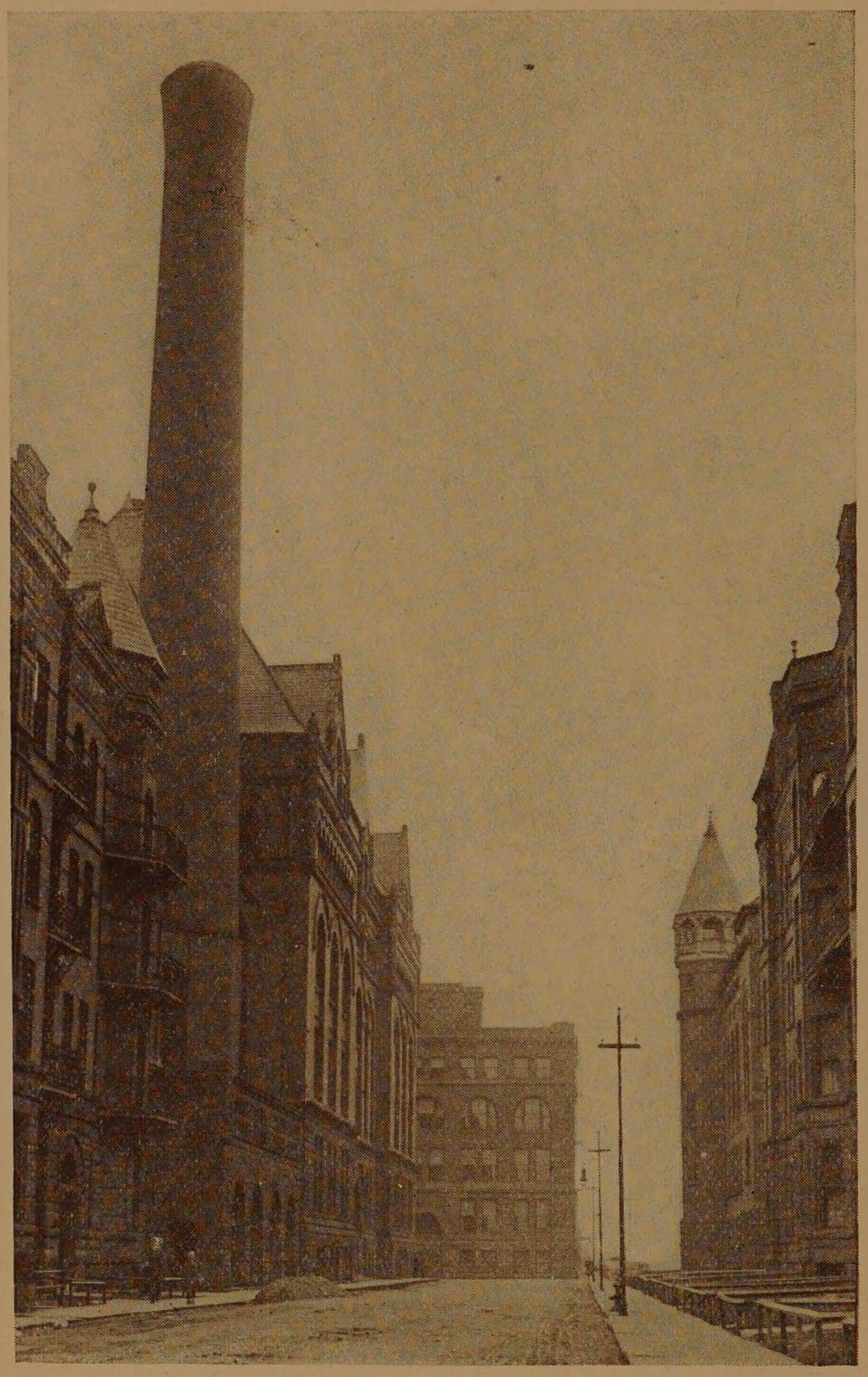
As We Look South on Federal Street



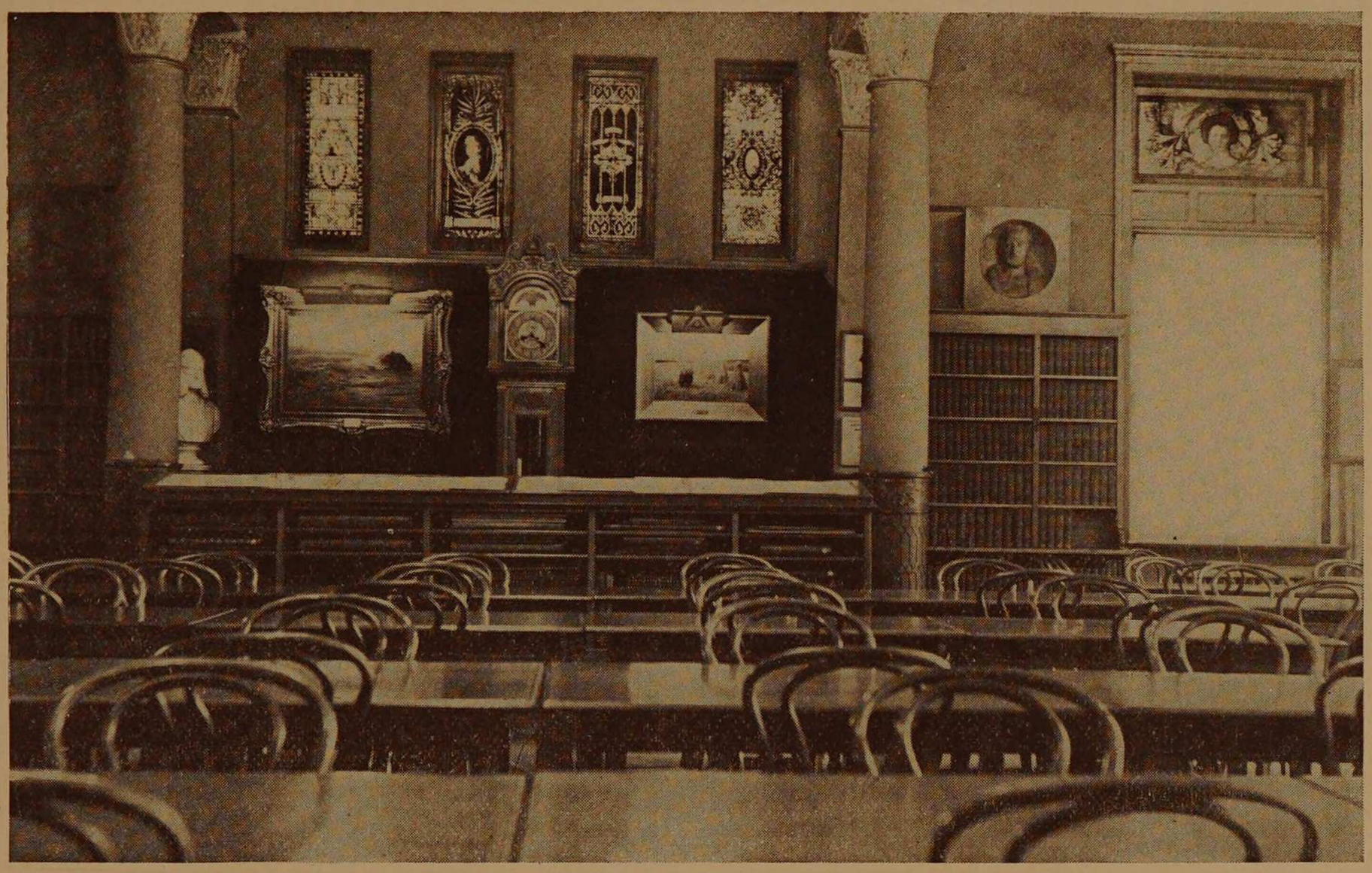
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Machinery Hall



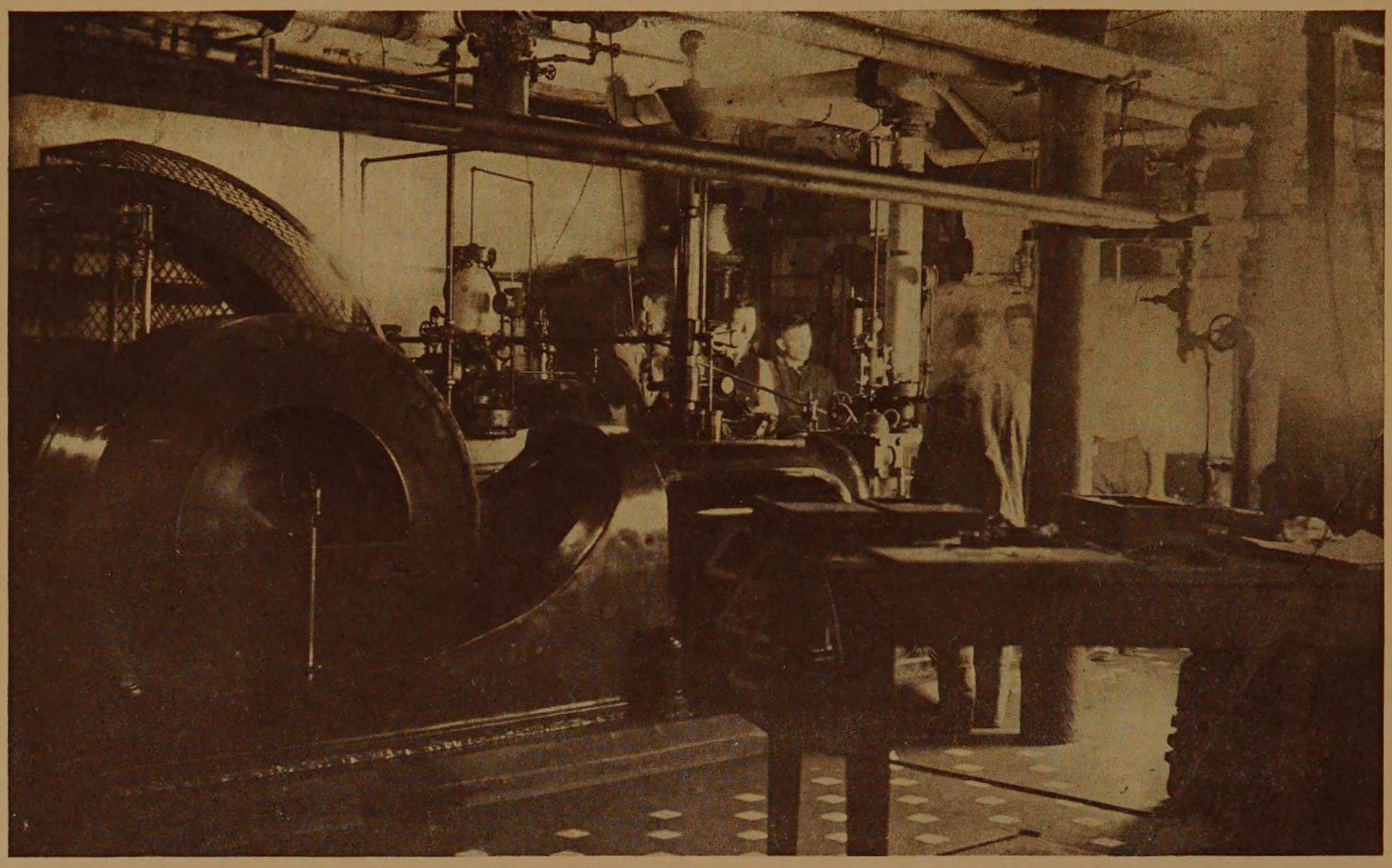
Approaching from the South on Federal Street



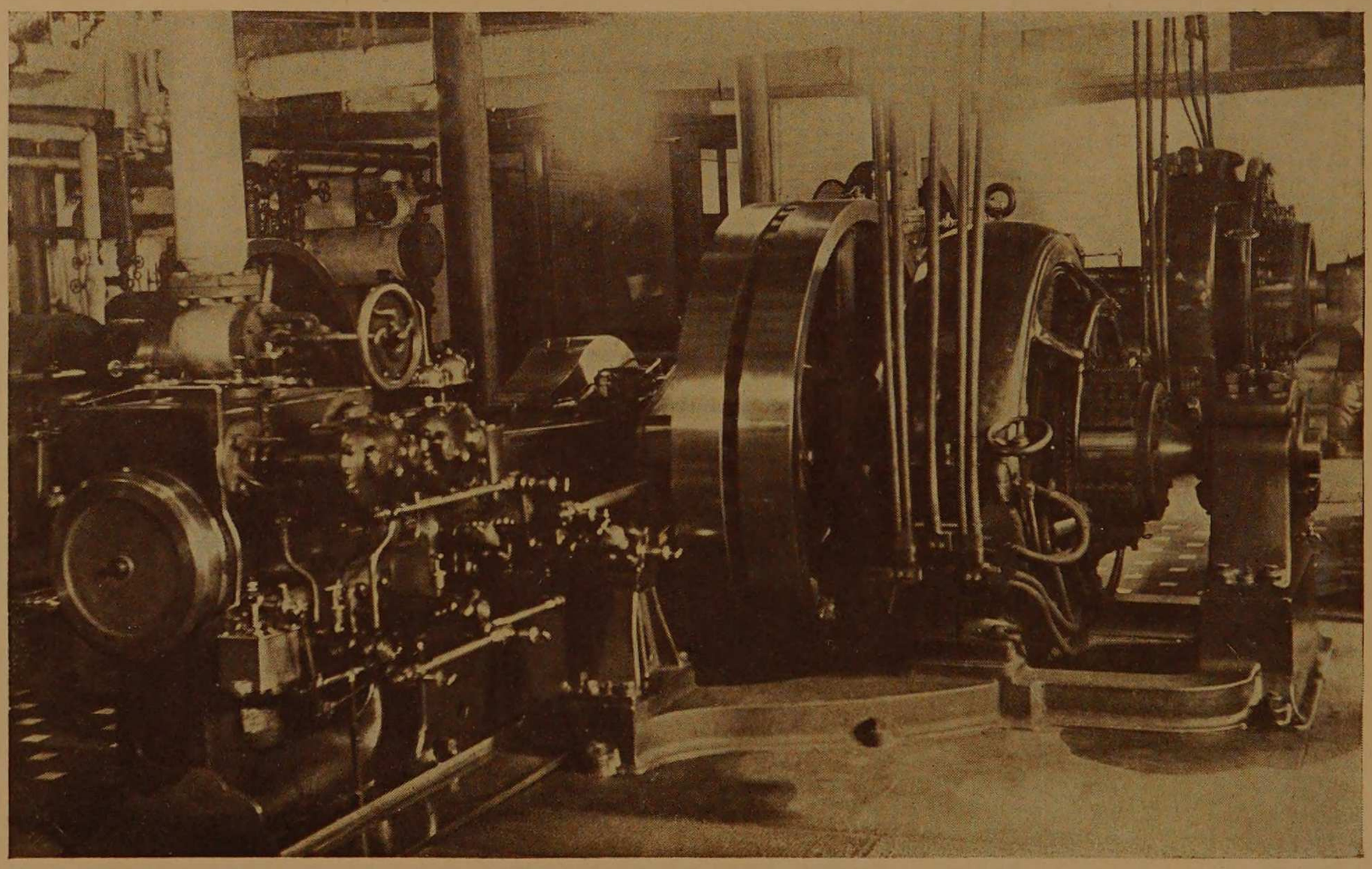
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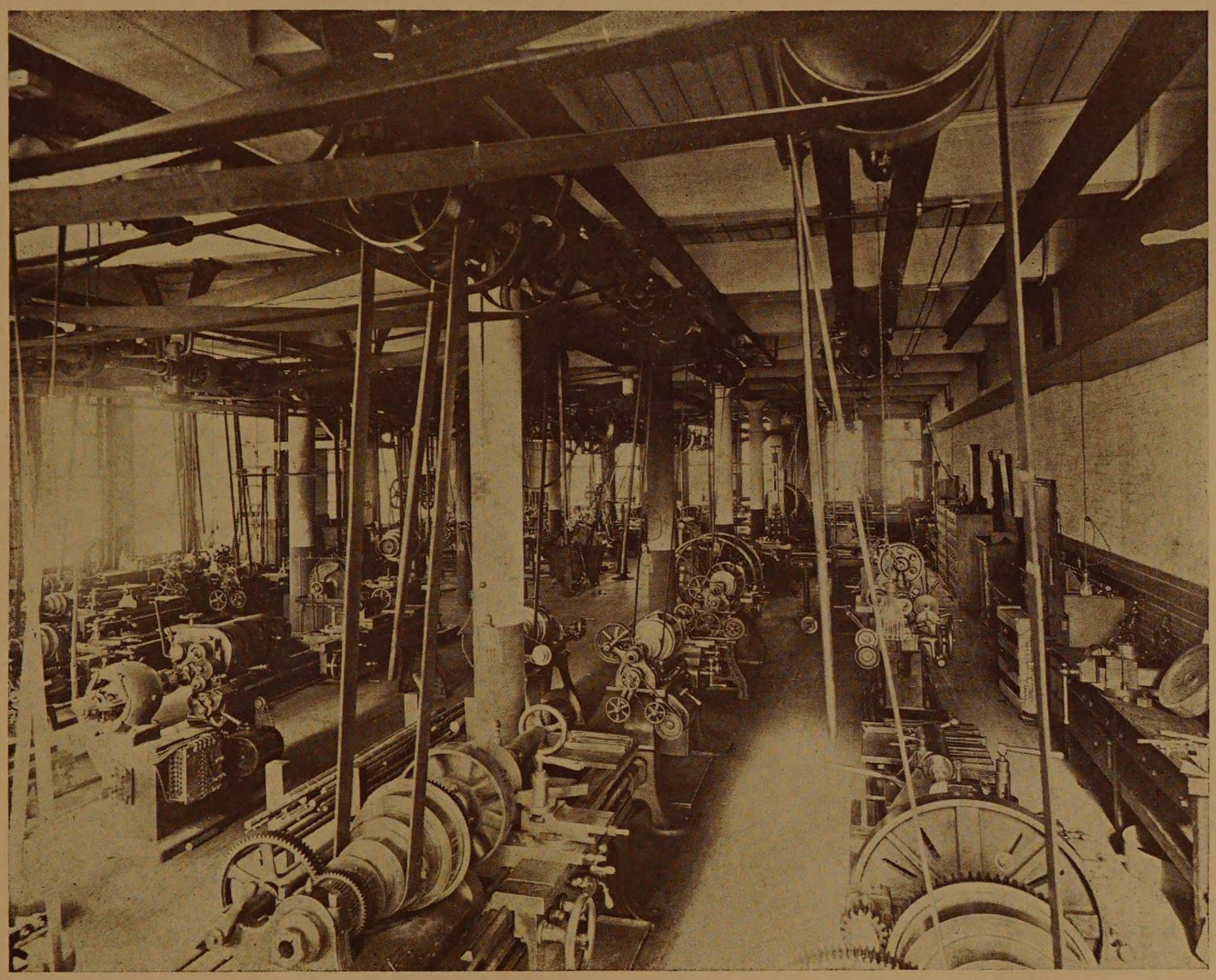
The Memorial Window



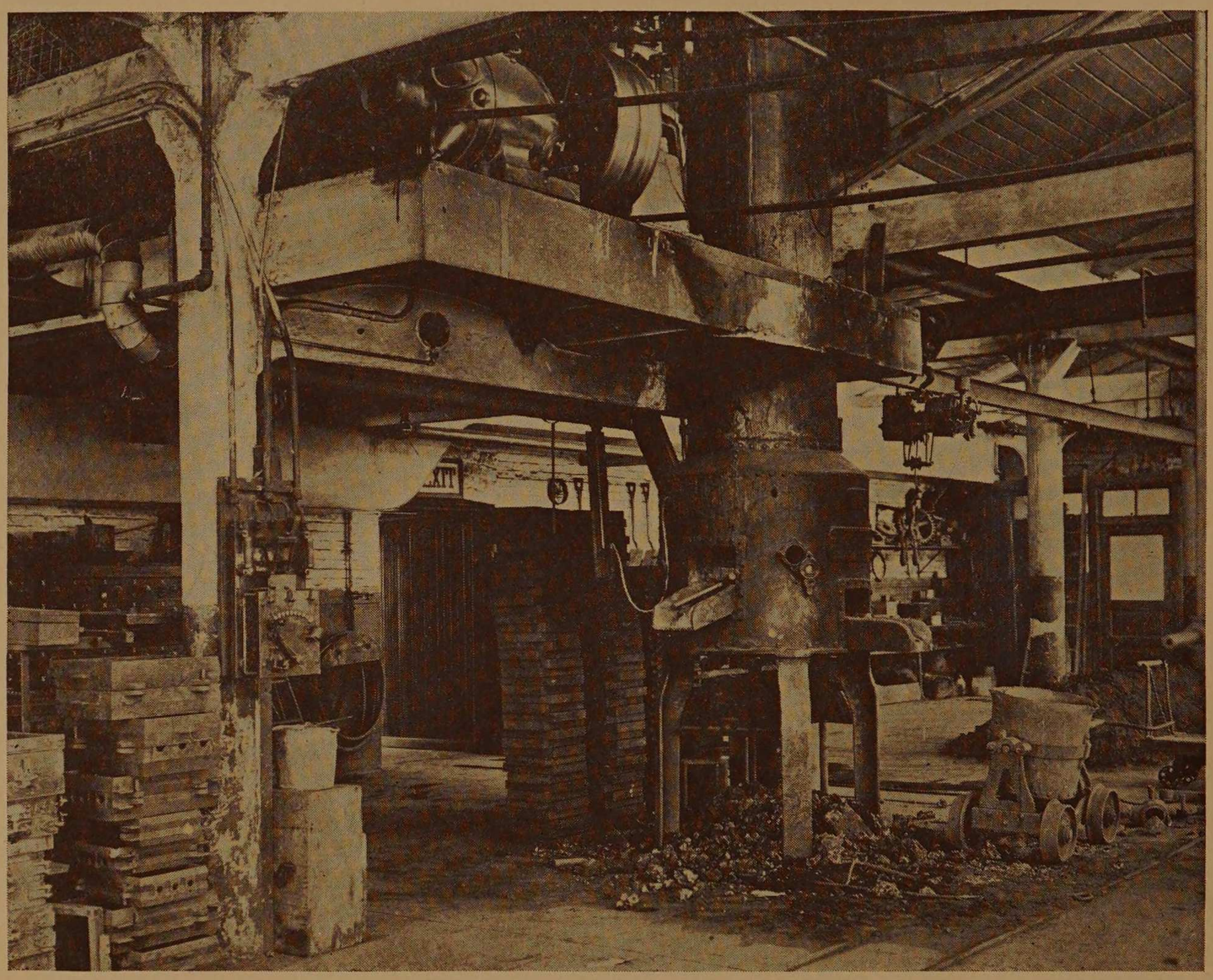
In the Mechanical Laboratory



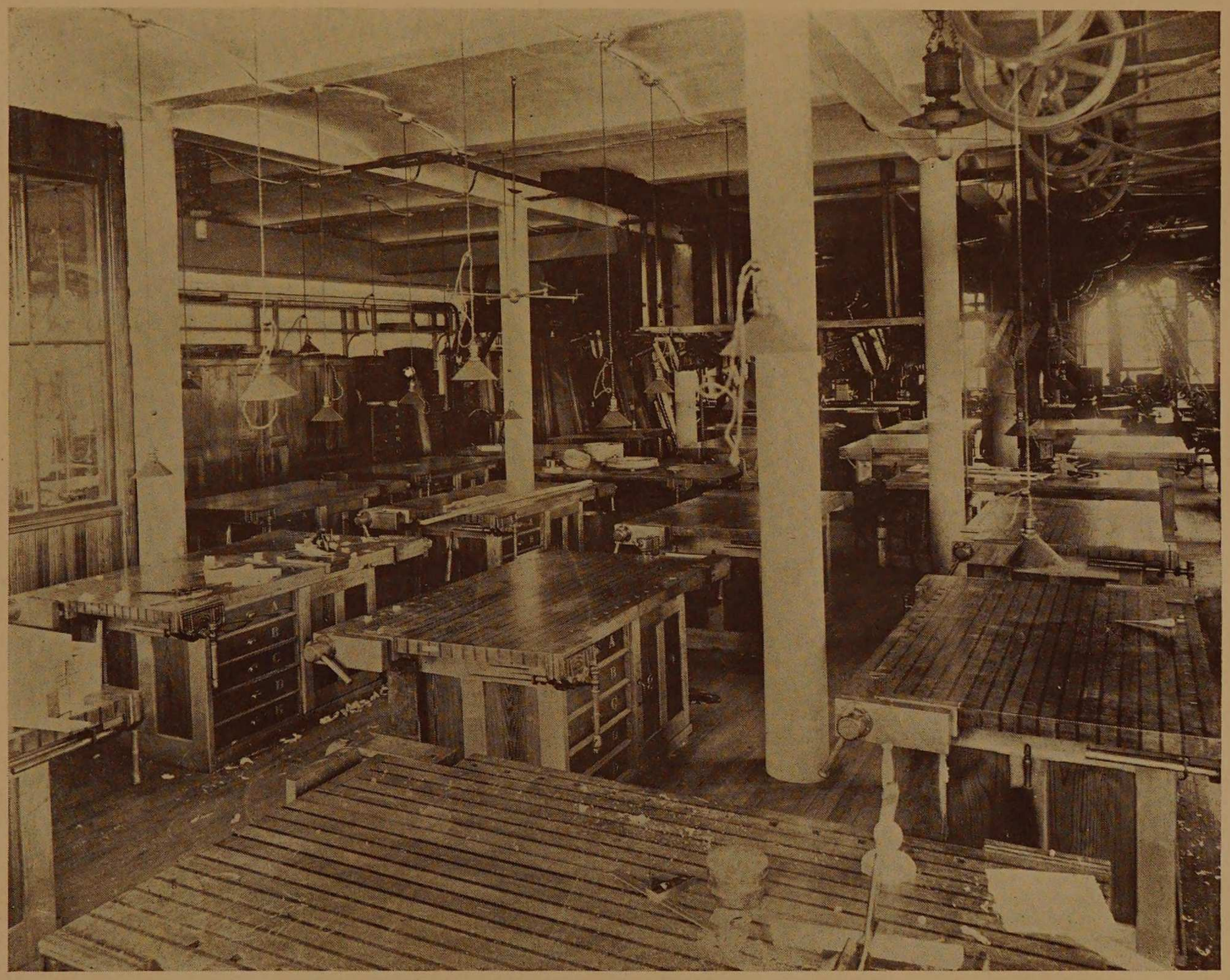
The Dynamo Laboratory



The Machine Shop

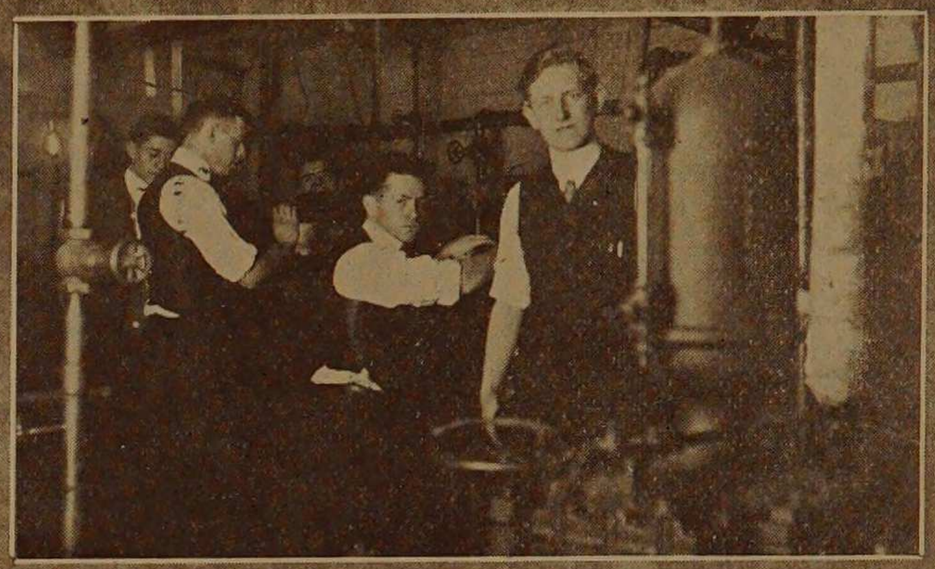


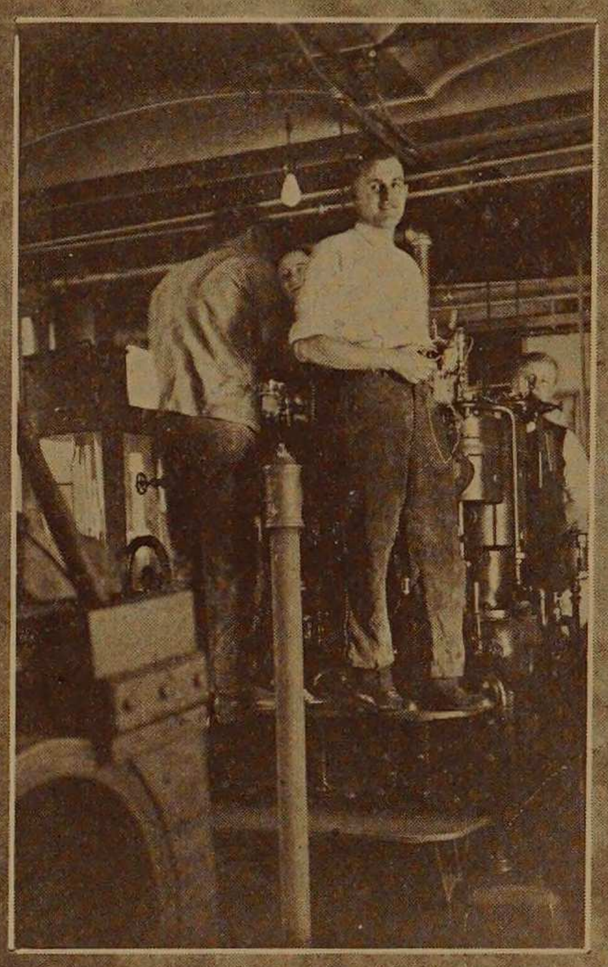
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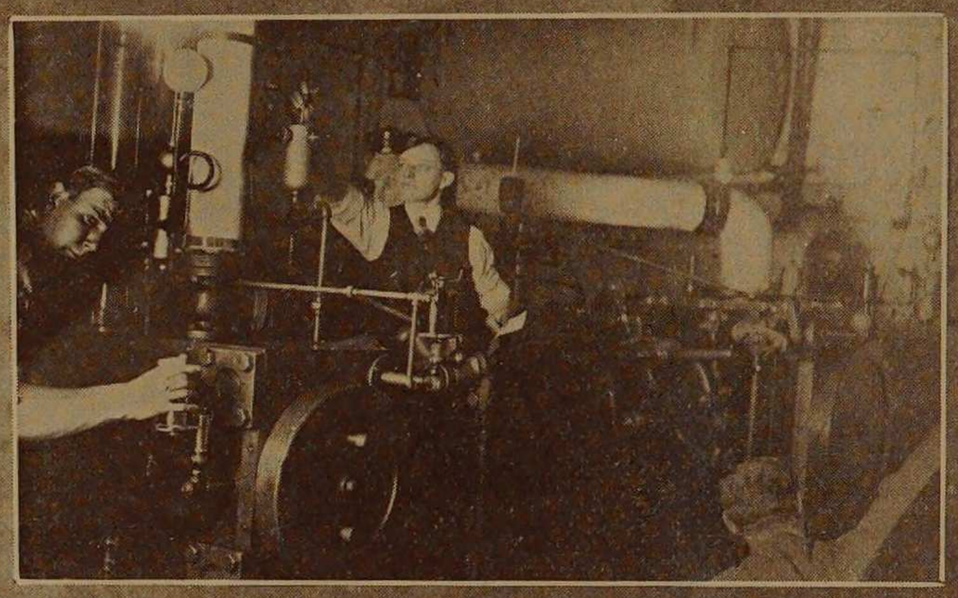


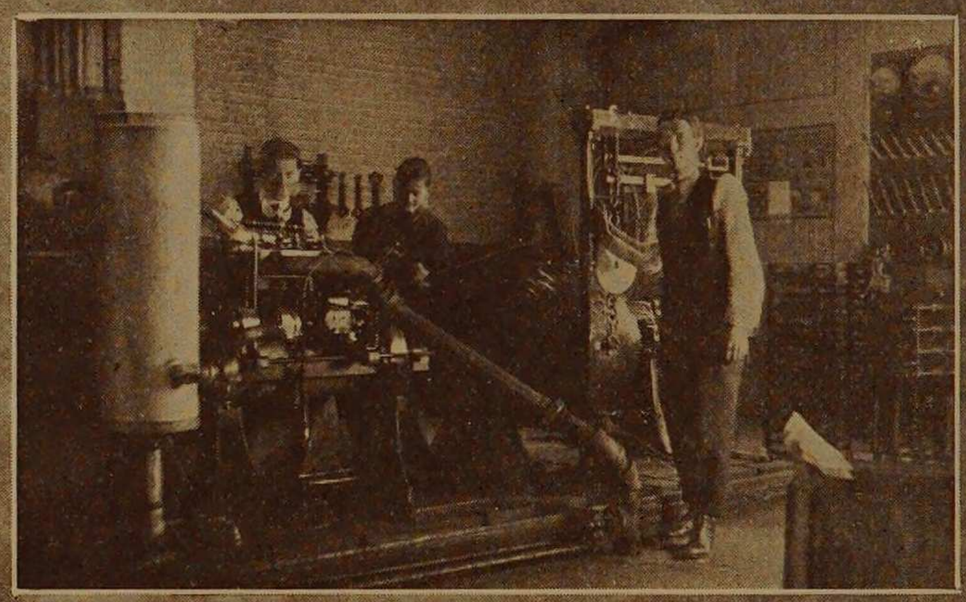
The Carpenter Shop

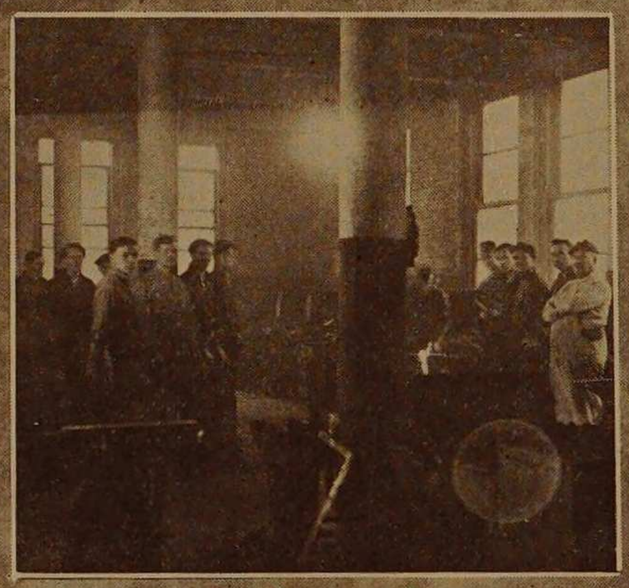


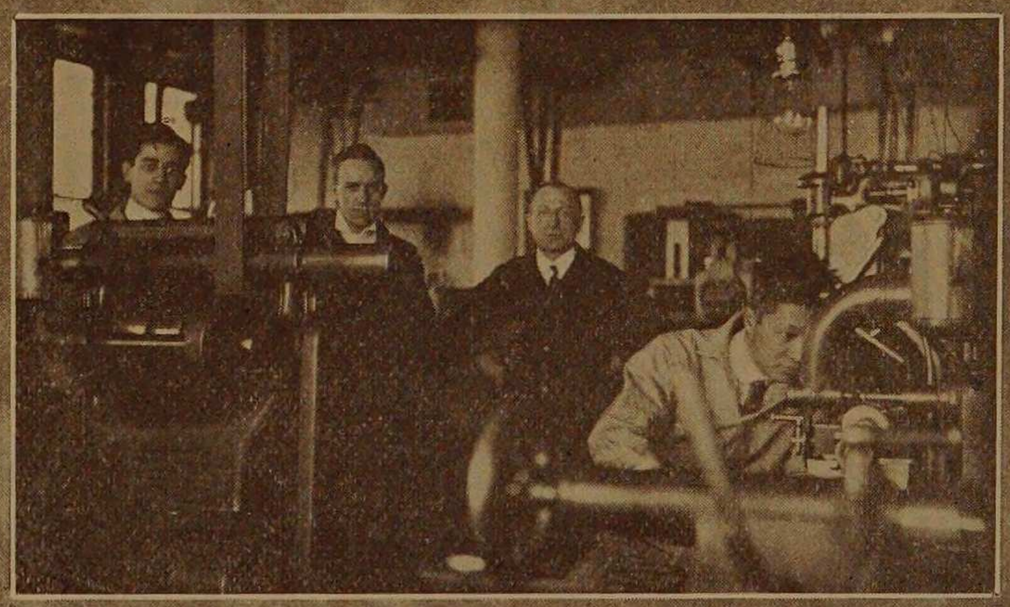


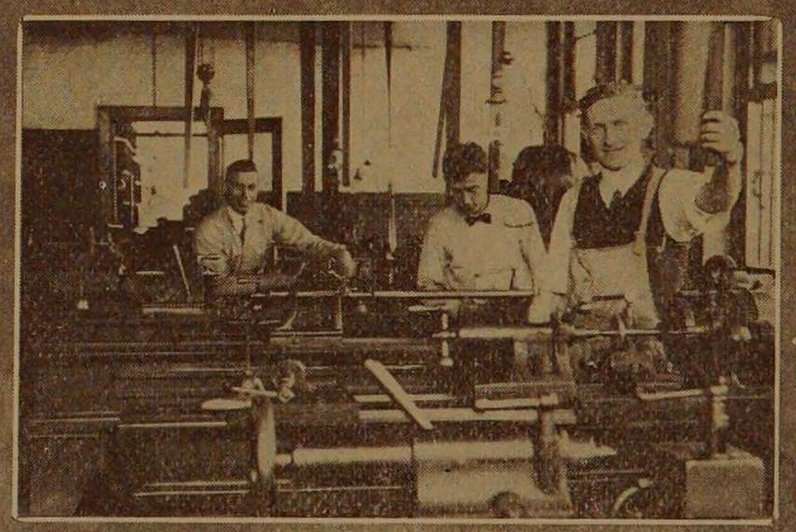












Busy Days in the Labs



J. Ogden Armour

Mrs. Phillip D. Armour

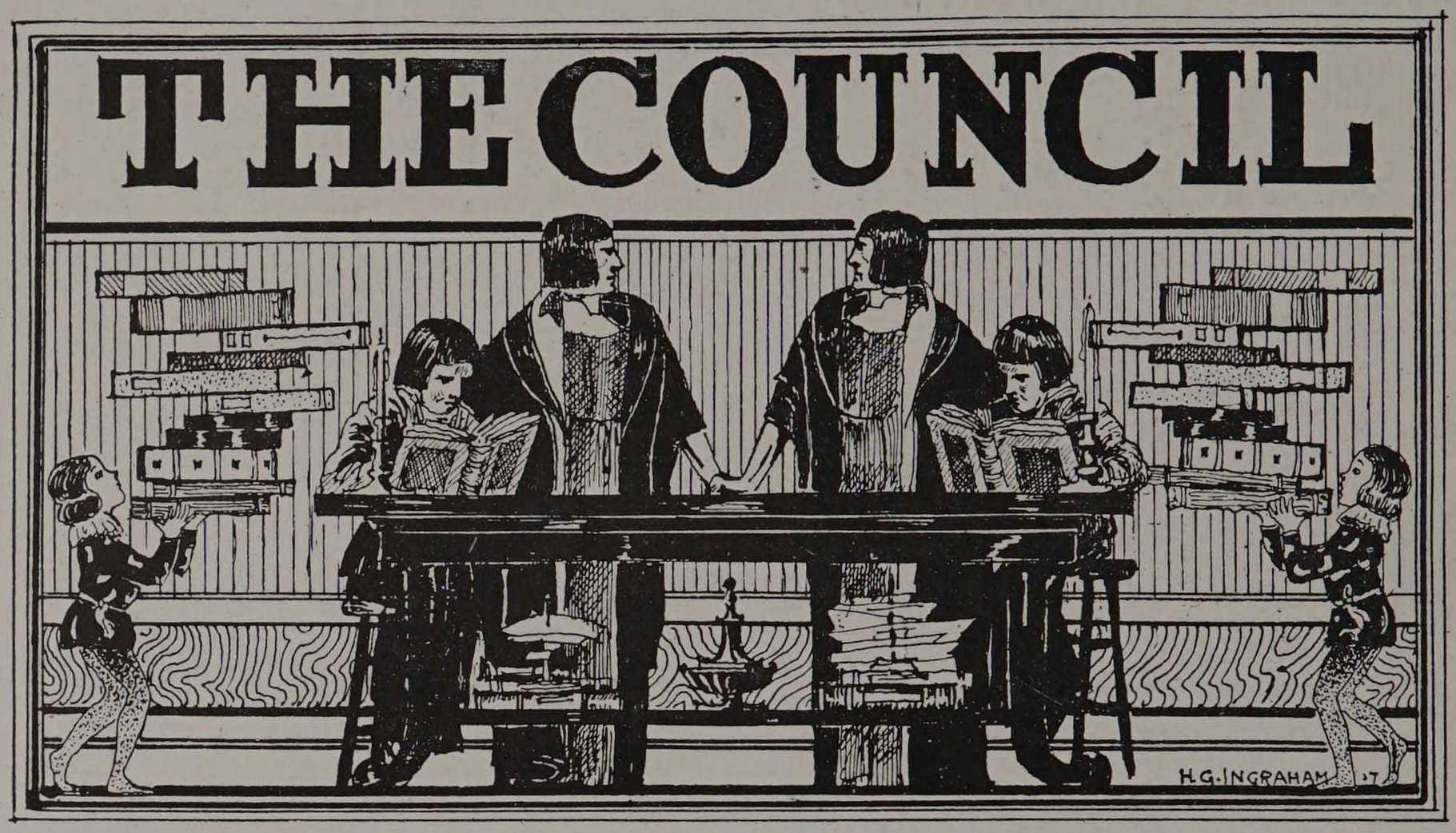
Mrs. J. Ogden Armour

Simeon B. Chapin

John C. Black

Frank W. Gunsaulus

Robert J. Dunham



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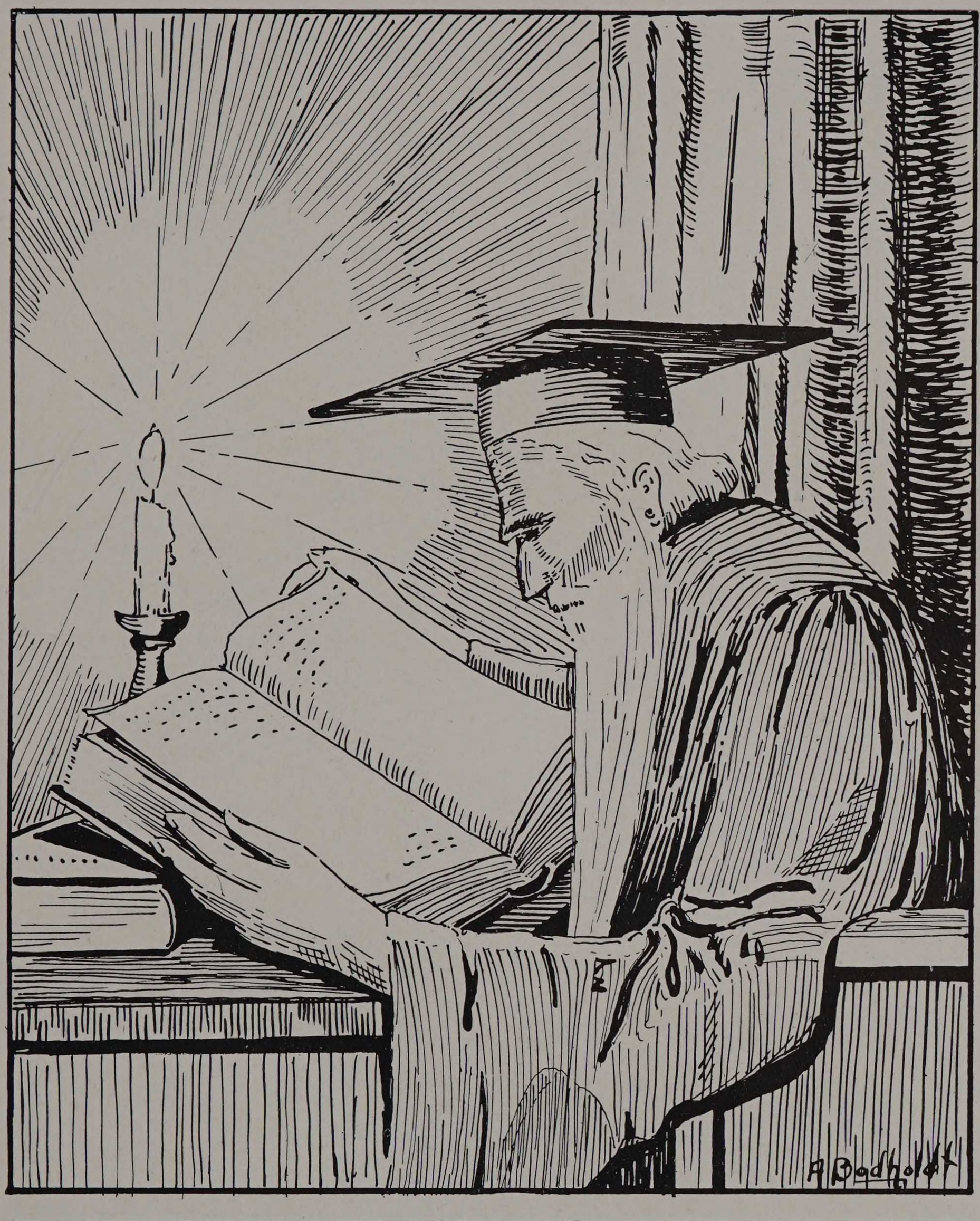
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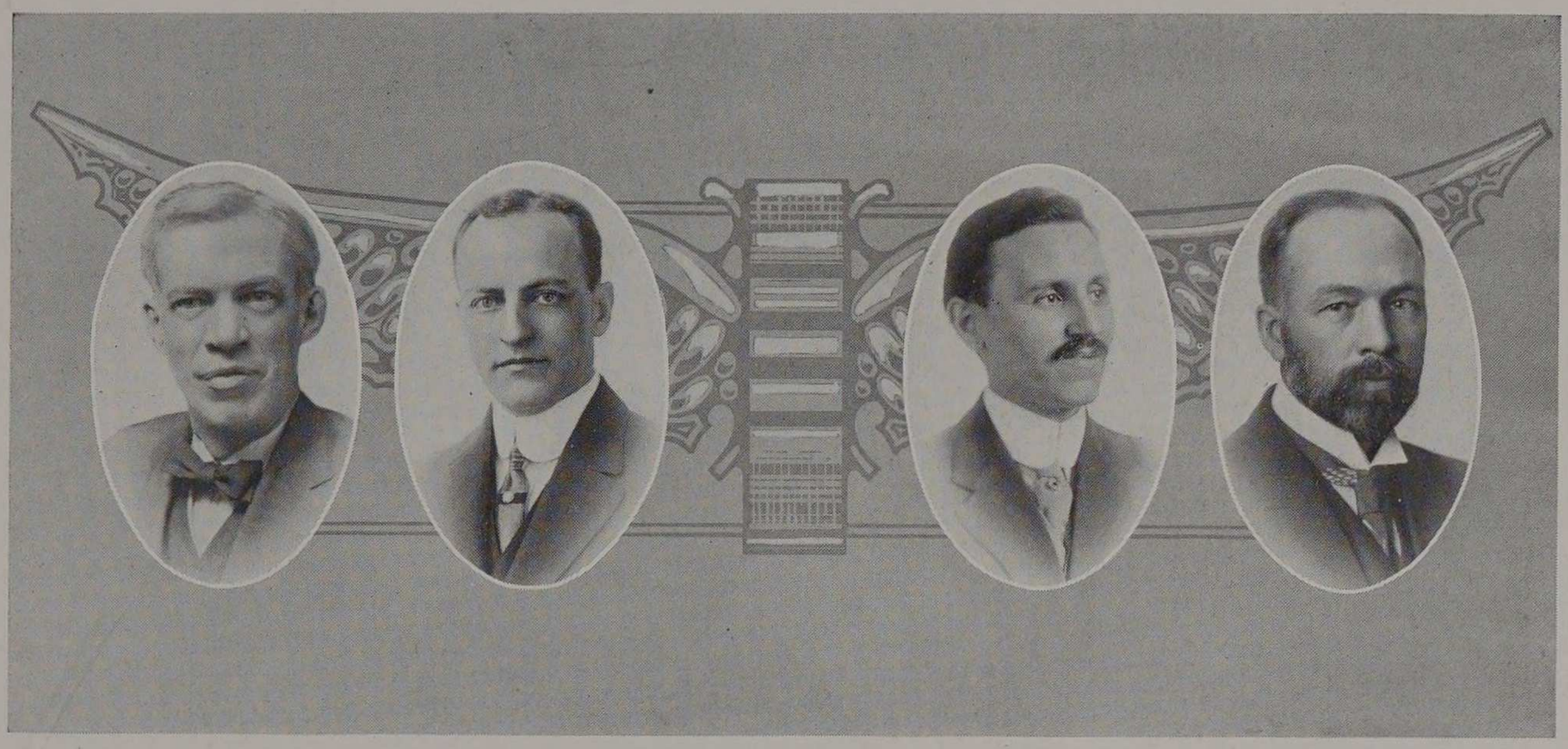




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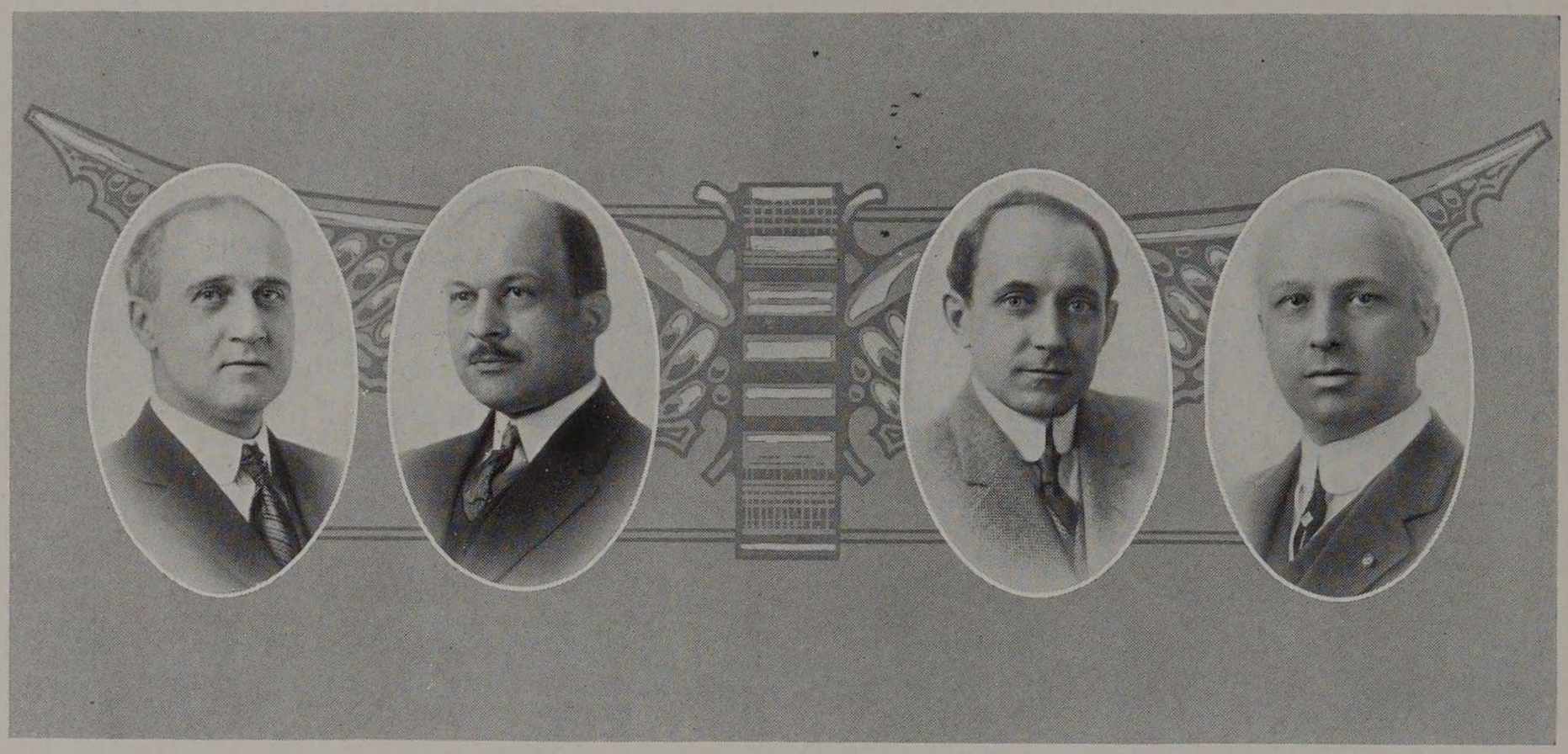


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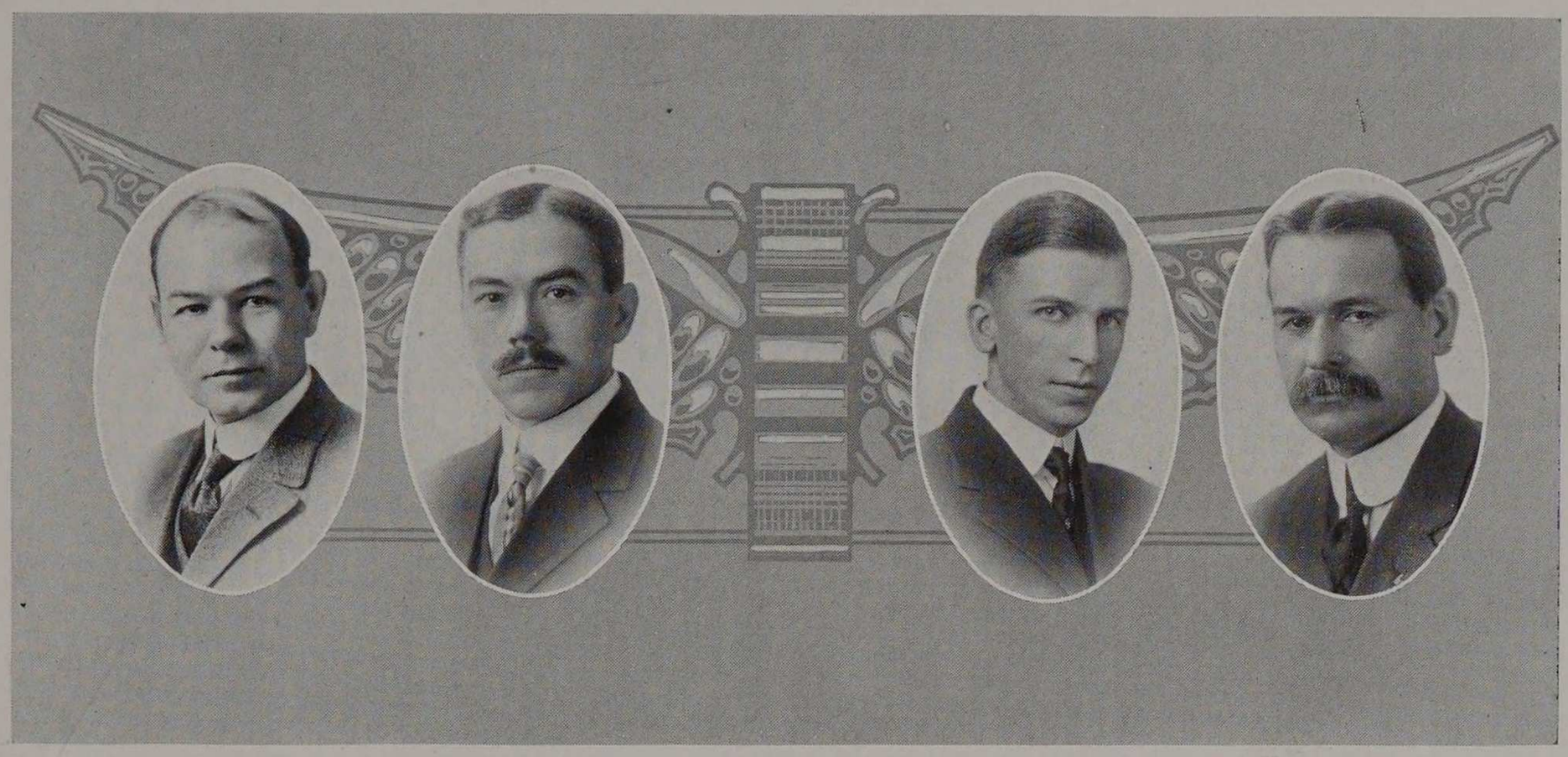


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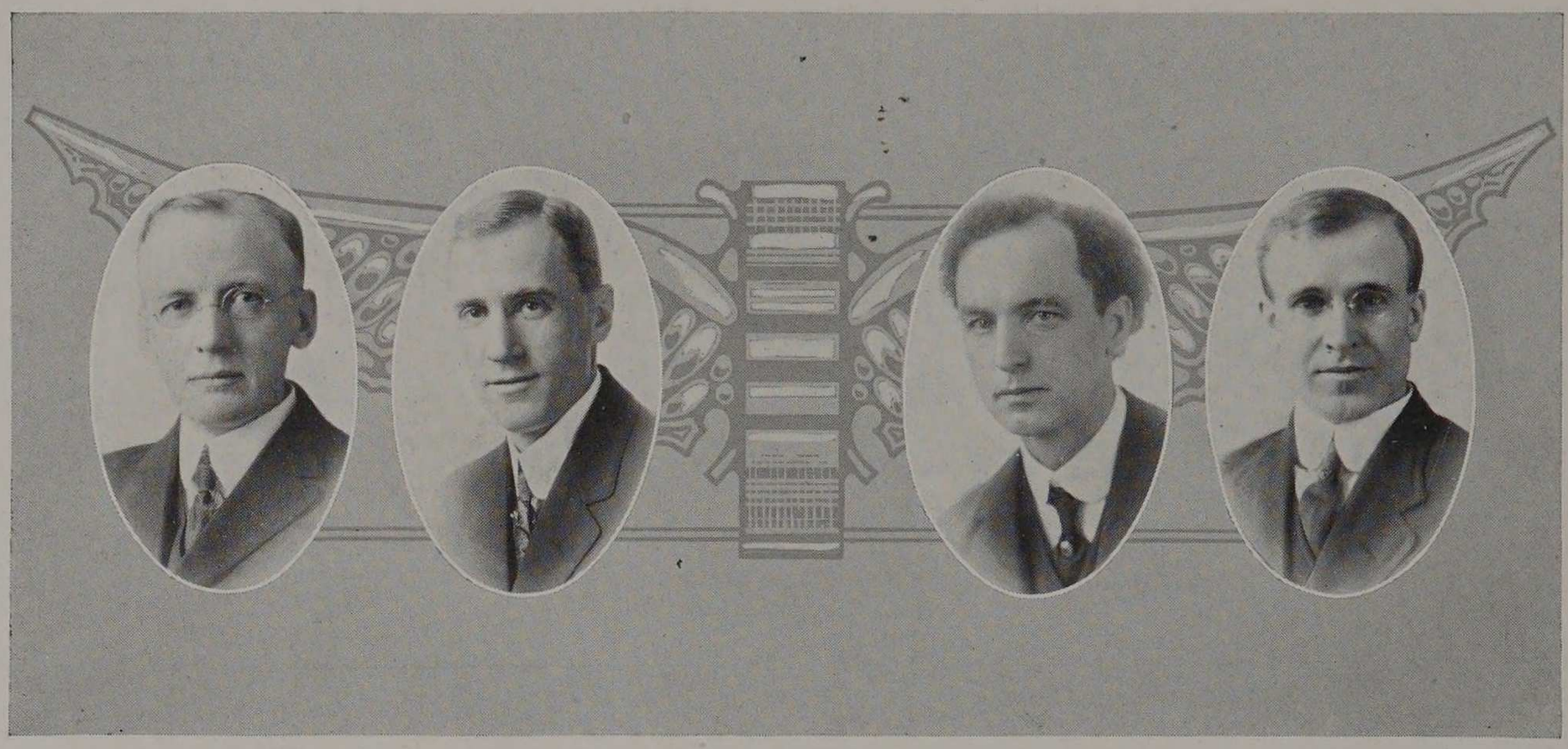


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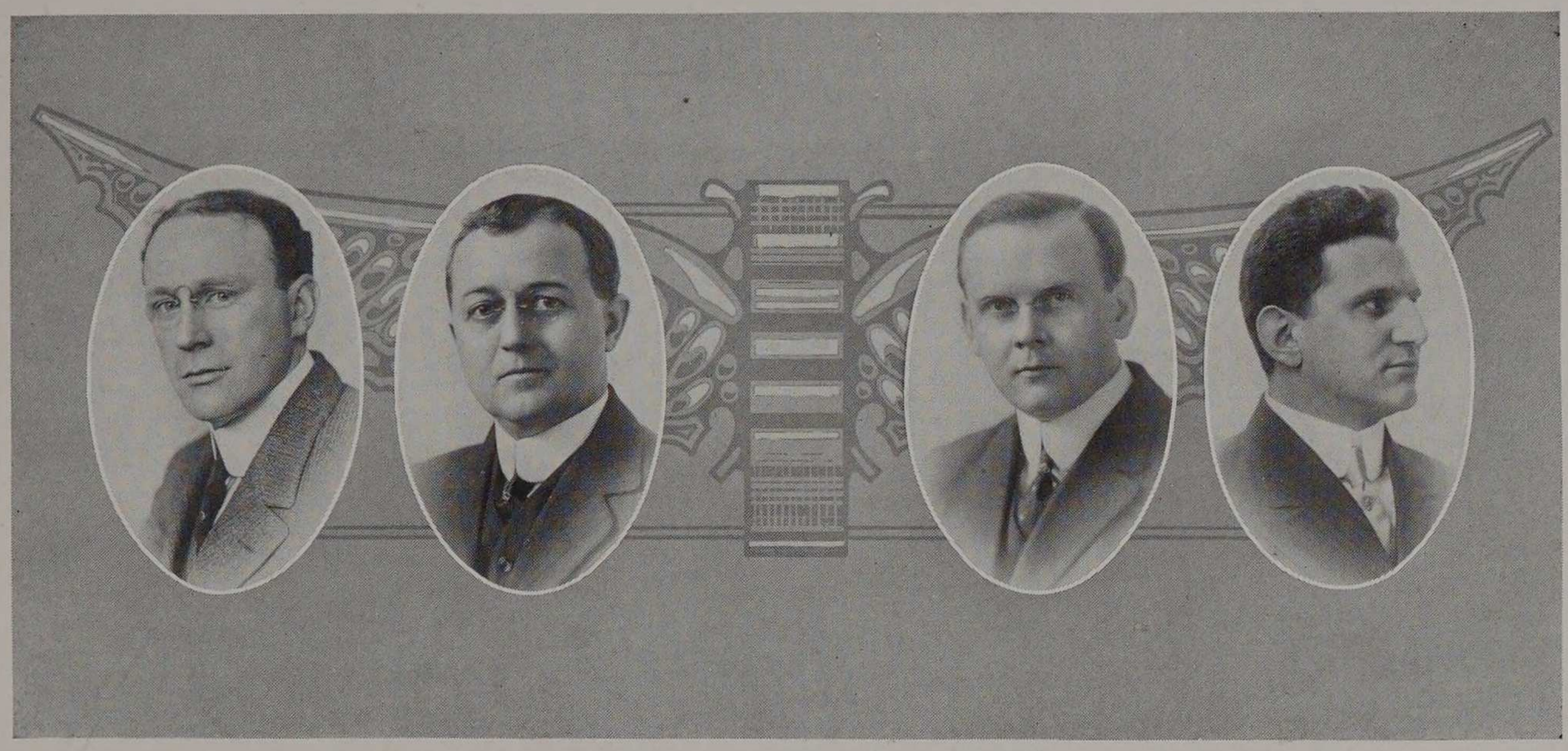


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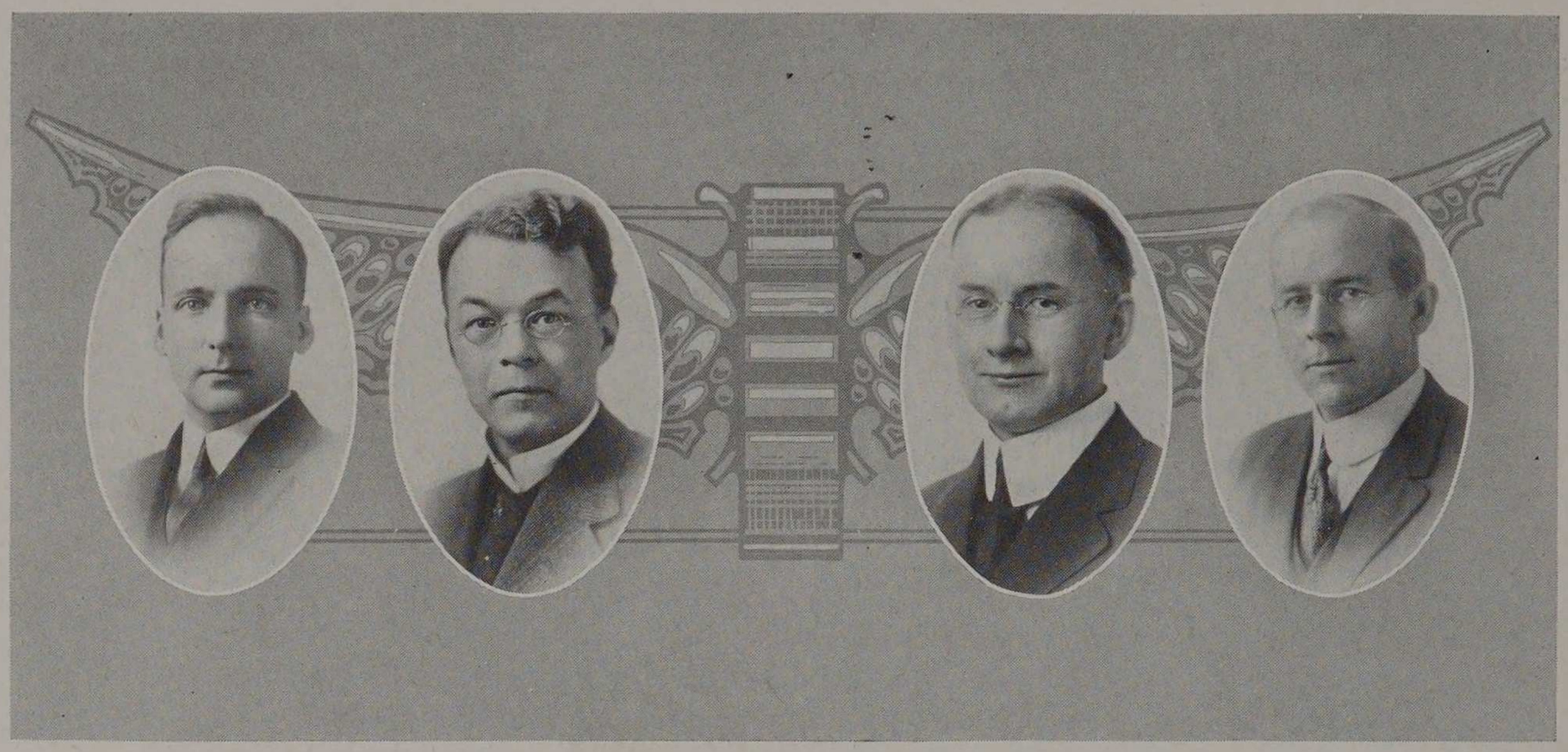


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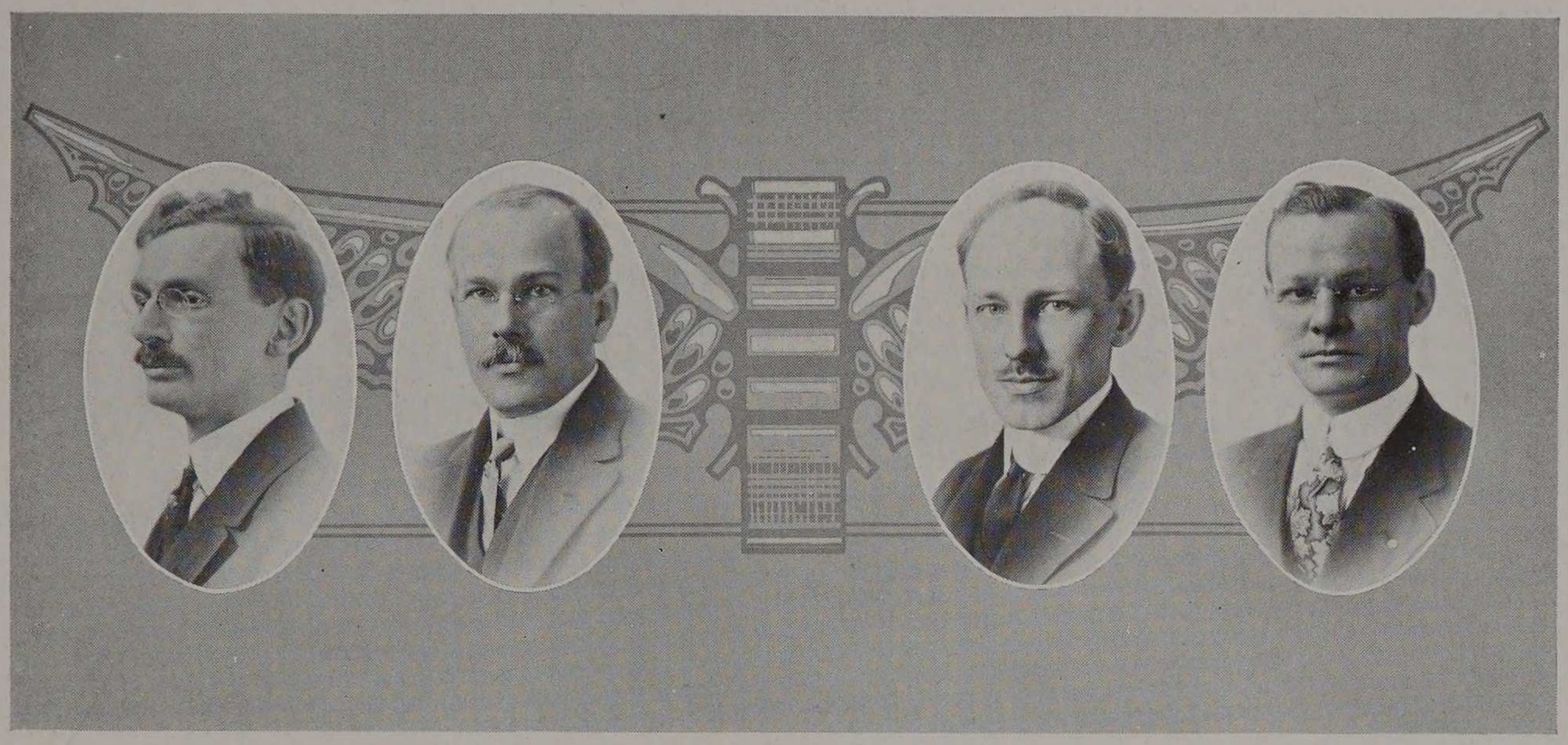


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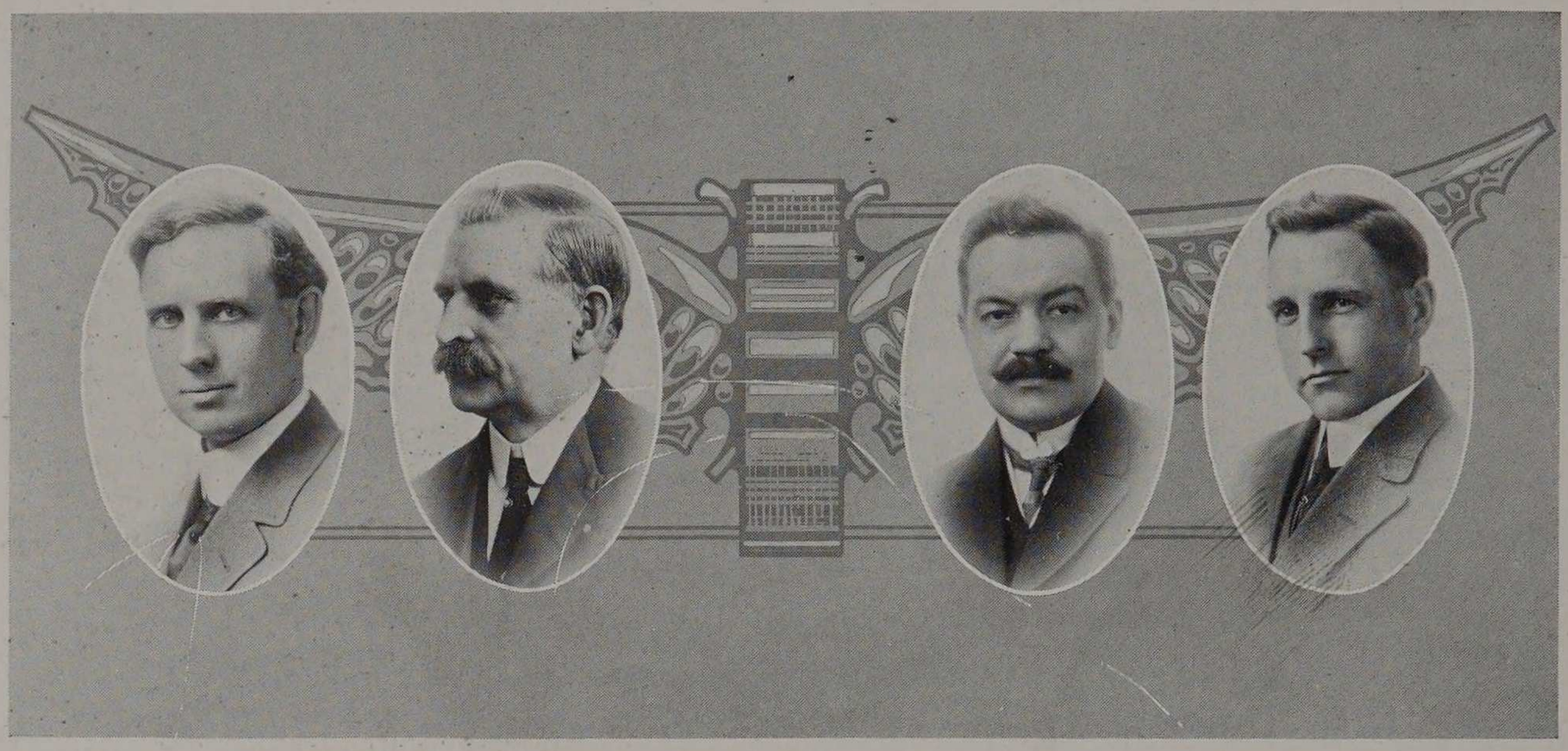


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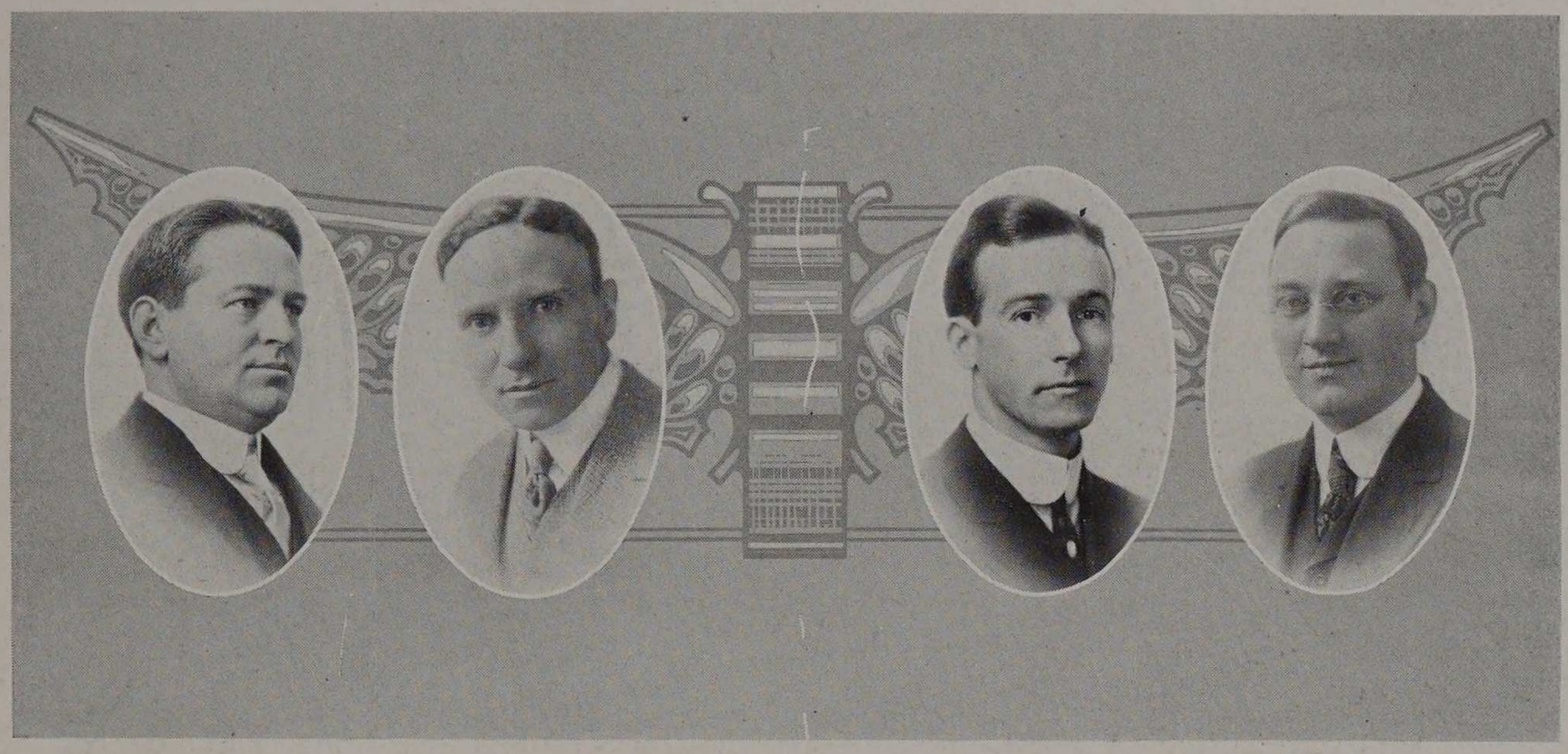


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B.S., Armour Institute of Technology, 1908.
Tau Beta Pi.
Member of Chicago Architectural Business Men's Association.
Residence, 2939 Vernon Avenue.

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

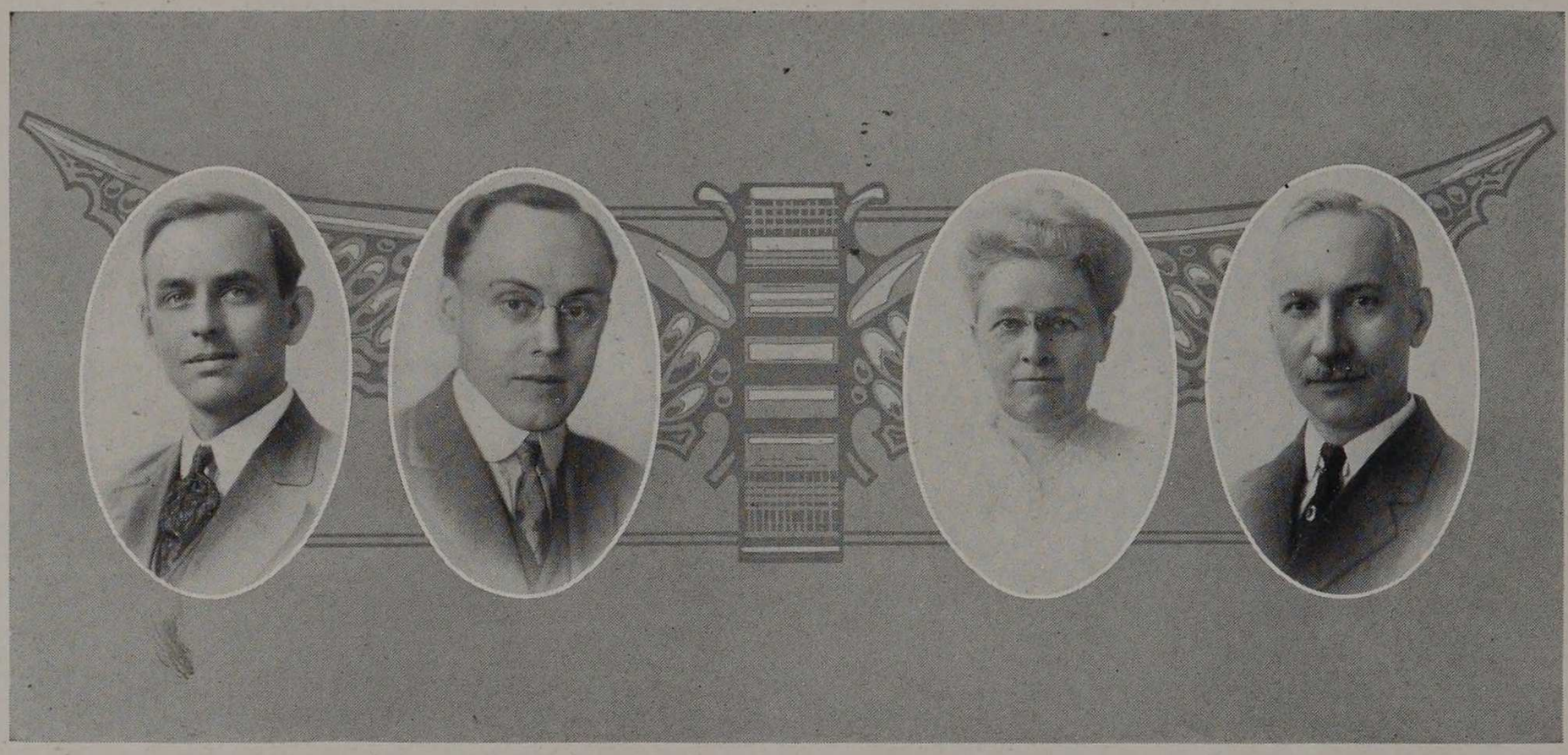


EUGENE EDWARD GILL.
Assistant Professor of General Chemistry.
Birthplace, Boring, Maryland.
Ph.B., Dickinson College, 1897. Ph.D., Johns Hopkins University, 1909.
Phi Beta Kappa.
Member of American Chemical Society.
Research Work on the "Determination of Osmotic Pressure of Cane Sugar Solutions."
Residence,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

GEORGE EVERETT MARSH.
Assistant Professor of Electrical Engineering.
Birthplace, Georgetown, Colorado.
S.B., Massachusetts Institute of Technology, 1902. E.E., Armour Institute of Technology, 1912.
Member of American Institute of Electrical Engineers and American Electro-Chemical Society.
Residence, 445 East 34th Street.

JAMES CLINTON PEEBLES.
Assistant Professor in Experimental Engineering.
Birthplace, Dreghorn, Scotland.
B.S., Armour Institute of Technology, 1904; E.E., 1908; M.M.E., Cornell University, 1908.
Gamma Alpha, Sigma Xi, Tau Beta Pi, Sigma Kappa Delta.
Research Work on "An Oscillograph Study of Commutation."
Residence, 436 West 72nd Street.

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

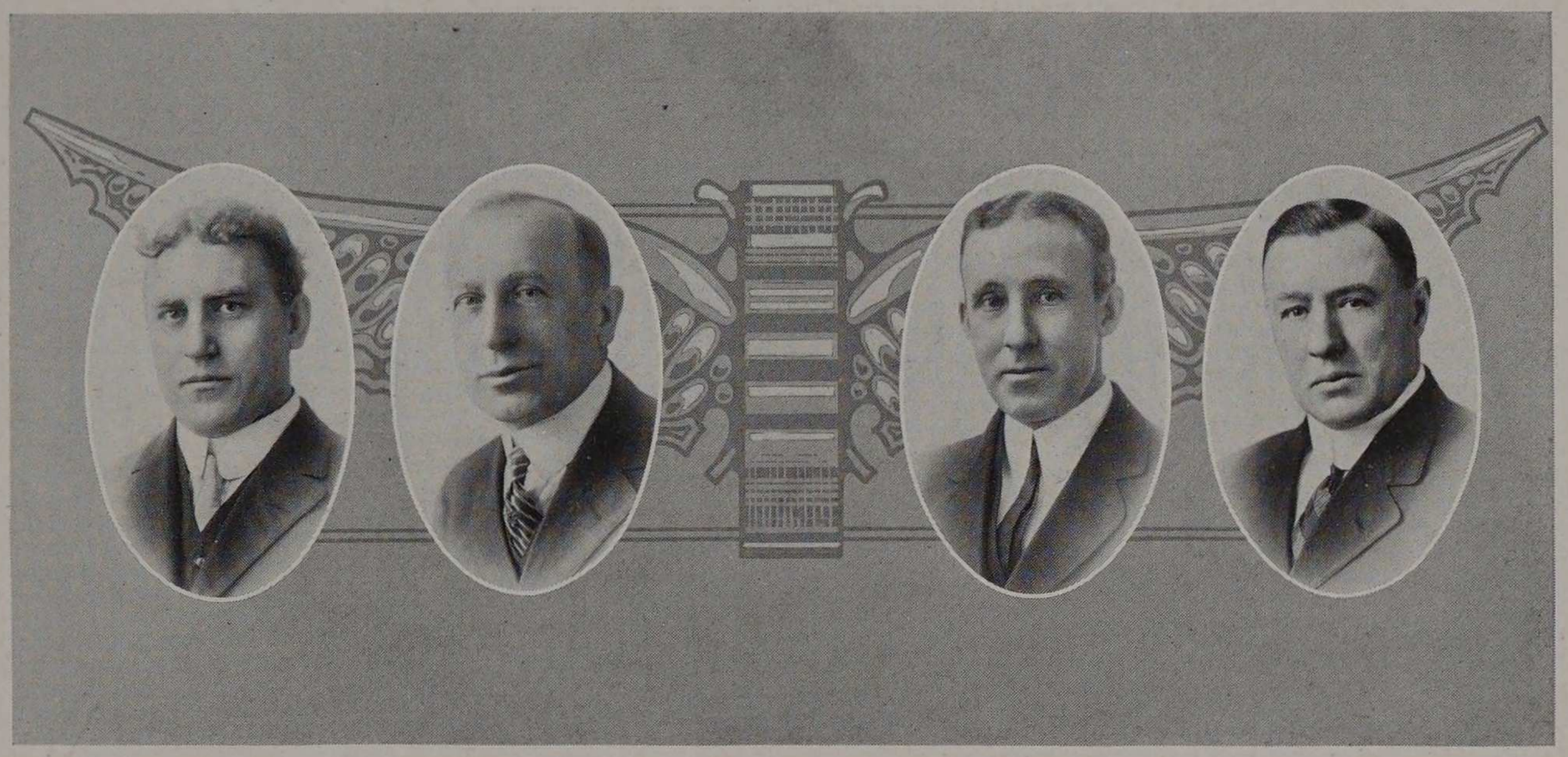


Daniel Roesch.
Assistant Professor of Experimental Engineering.
Birthplace,Aurora, Illinois.
B.S., Armour Institute of Technology, 1898; M.E., 1908.
Tau Beta Pi, Beta Phi.
Member of American Society for Testing Materials; American Gas Institute; Natural Gas Association of America. Society of Automobile Engineers.
Residence, 6157 St. Lawrence Avenue.

William Charles Krathwohl
Assistant Professor of Mathematics.
Birthplace, Buffalo, New York.
A.B., Harvard College 1907; M.A., Columbia, 1910; Ph.D., Chicago University, 1913.
Research Work on Modular Invariants.
Residence, 6128 UniversityAvenue.

Mrs. Julia A. Beveridge.
Librarian and Instructor in Bibliography.
Birthplace, Beloit, Wisconsin.
University of Wisconsin.
Residence, 933 44th Street.

Edward Diehl Agle.
Superintendent of Shops and Instructor in Machine Tool Work.
Birthplace, Greencastle, Pennsylvania.
Residence, 635 East 41st Street.

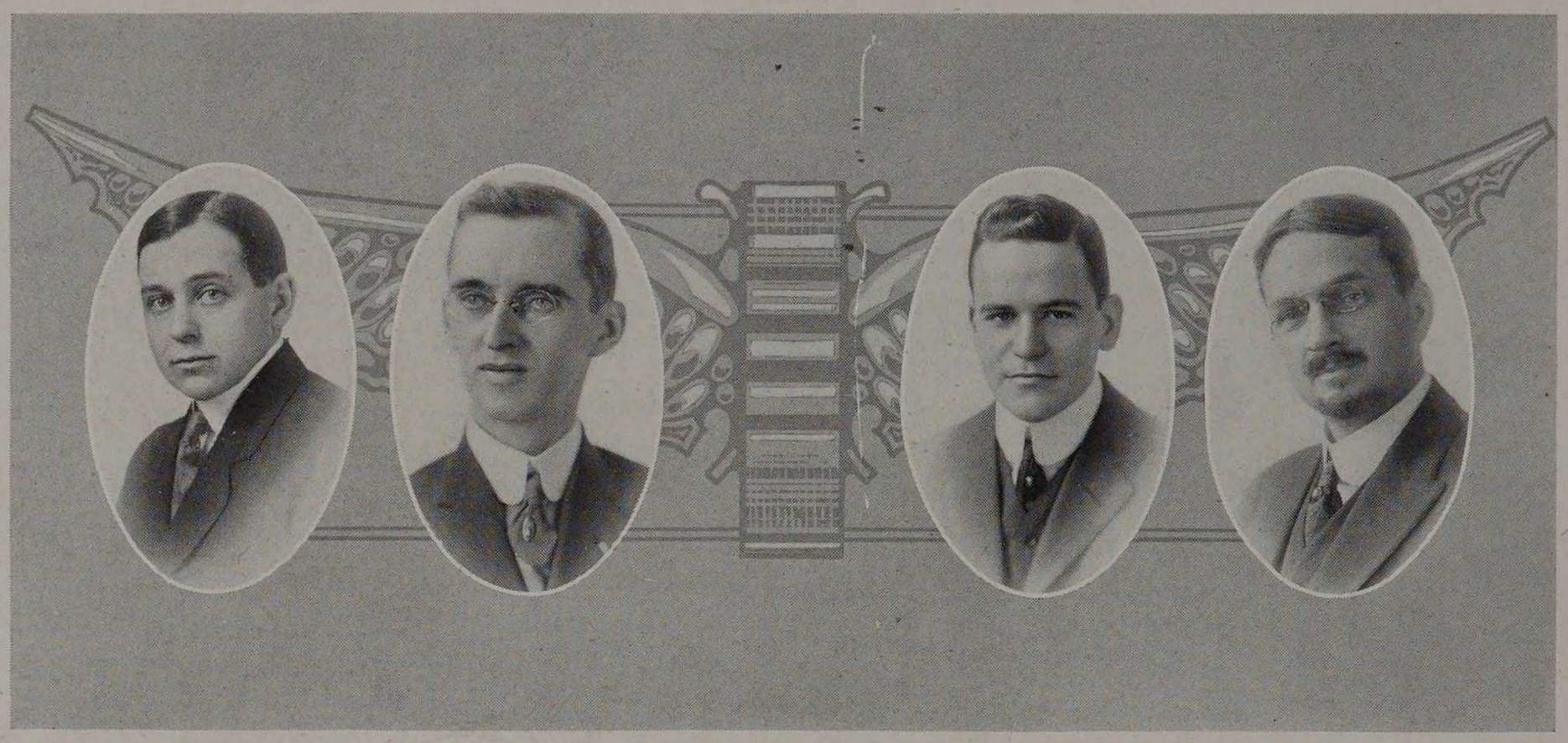


Nels Peter Peterson.
Instructor in Woodworking.
Birthplace, Hoganas, Sweden.
Residence, 1534 North Leavitt Street.

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

Joseph Patrick Kennedy.
Instructor in Forging.
Birthplace, Chicago, Illinois.
Residence, 6333 Marshfield Avenue.

Charles Larsen.
Instructor in Founding.
Birthplace, Chicago, Illinois.
Residence, 1101 North Humboldt Street.

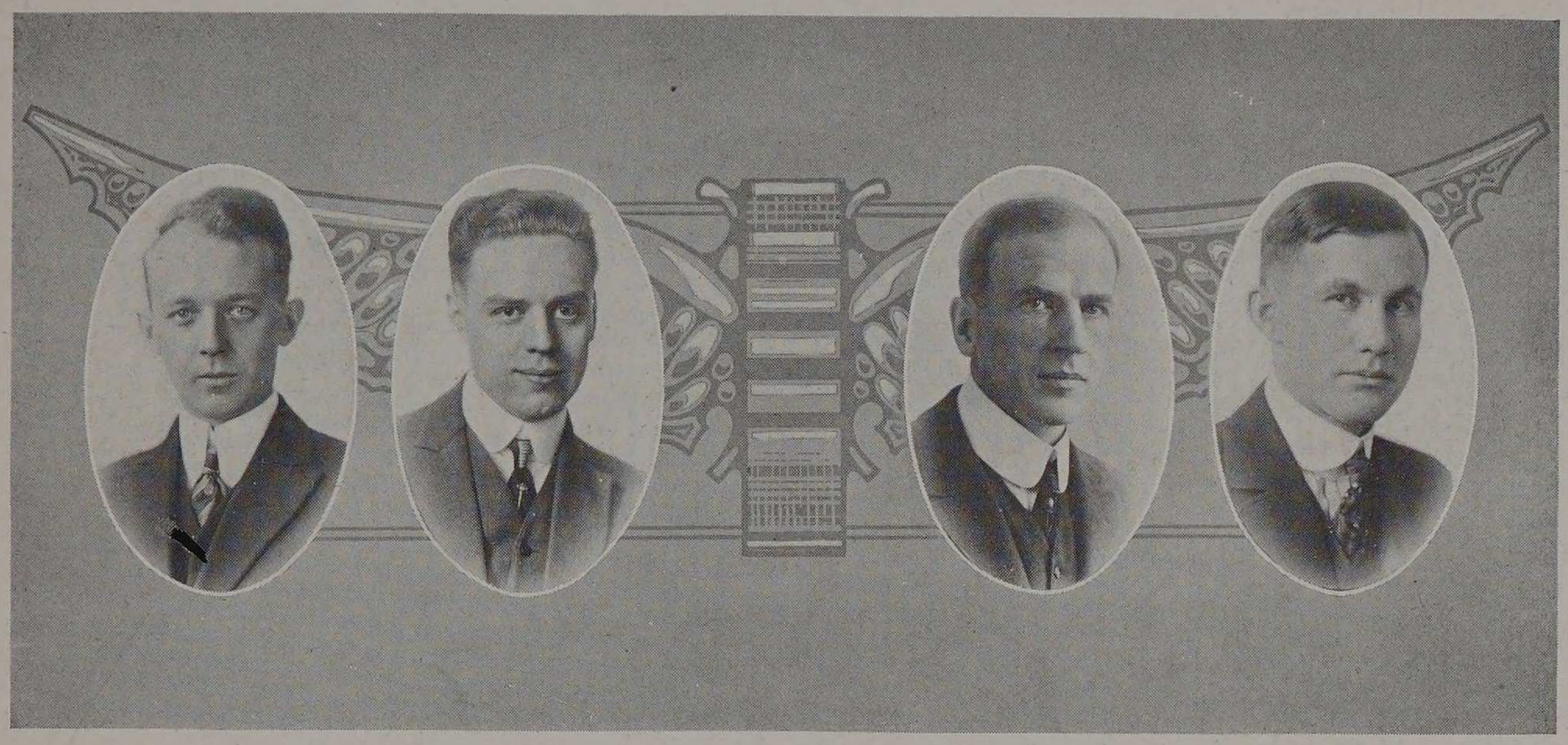


HARRIE BRIDGMAN PULSIFER.
Instructor in Metallurgy.
Birthplace, Lebanon, New Hampshire.
S.B., Massachusetts Institute of Technology, 1903.
Member of American Institute of Mining Engineers;American Chemical Society; American Association for the Advancement of Science.
Residence, 511 East 33rd Street.

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

JOHN J. GILBERT.
Instructor in Electrical Engineering.
Birthplace, Philadelphia, Pennsylvania.
A.B., University of Pennsylvania, 1909.
Sigma Kappa Delta, Sigma Xi, Eta Kappa Nu.
Member American Physical Society.
Member American Institute of Electrical Engineers.
Residence, 5731 Kenwood Avenue.

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

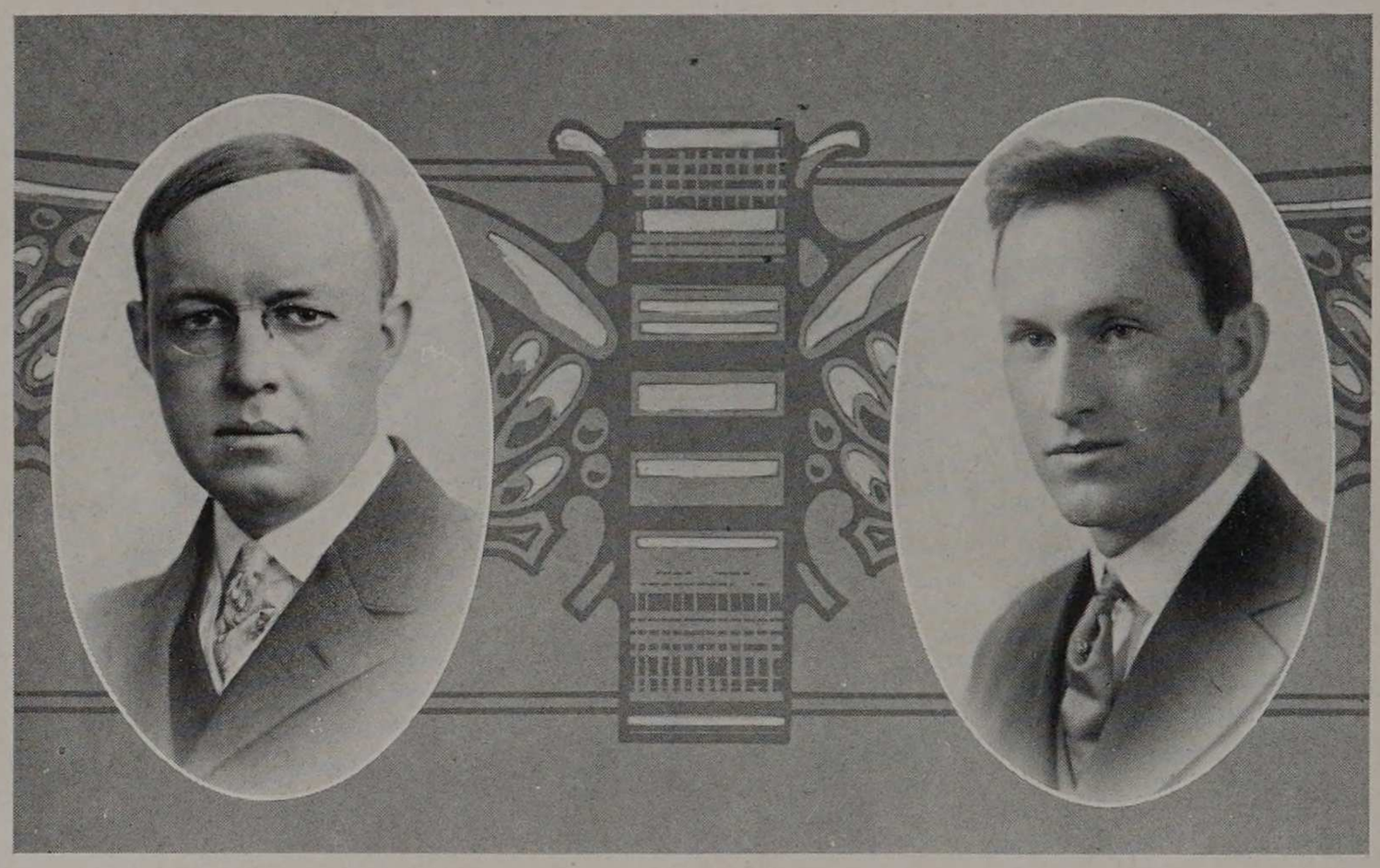


George C. Wilsnack.
Instructor in Industrial Chemistry.
Birthplace, Berlin, Germany.
B.S., Armour Institute of Technology, 1908; Ch.E., 1912.
Residence, 7454 Steward Avenue.

William H. Lautz, Jr.
Instructor in Architecture.
Birthplace, Chicago, Illinois.
B.S., Armour Institute of Technology, 1913
Tau Beta Pi, Sigma Kappa Delta.
Residence, 7925 S. Green Avenue.

Albee Lovejoy Ladd.
Assistant Professor of Mechanics.
Birthplace, Minneapolis, Minnesota.
B.S., University of Michigan, 1908
Sigma Xi.
Residence, 6024 Woodlawn Avenue.

Philip C. Huntly.
Assistant Professor of Experimental Engineering.
Birthplace, Camdem, Arkansas.
B.S., Arkansas University, 1909.
Sigma Chi.
Residence 4013 Ellis Avenue.



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

CHARLES ANSON NASH.
Instructor in Electrical Engineering
Birthplace, Elizabeth, Illinois.
Sigma Xi. University of Illinois, B. S. 1909
Associate Member of American Institute of Electrical Engineers.
Member of Society for the Promotion of Engineering Education.
Residence, 6103 Kimbark Avenue.

EDMUND S. CAMPBELL.
Assistant Professor of Architectural Design.
B.S., Massachusetts Institute of Technology, 1906. M.S., 1907.
Assistant Professor of Architecture, Carnegie Institute of Technology.

FRANK HALL CHILDS.
Lecturer on Business Law.
Birthplace, Findley, Ohio.
Columbia University, Union College of Law, Kent Law School. LL.B.
Admitted to the bar in 1884.
Member of the American Bar Association; The Illinois State Bar Association; The Chicago Bar Association.


ALMANI
BOOK

OFFICERS OF THE ARMOUR ALUMNI ASSOCIATION
For 1914-1915

F. G. Heuchling, '07 - - - - - - - - - - *President*
F. R. Babcock, '03 - - - - - - - - - - *Vice-President*
Stanley Dean, '06 - - - - - - - - - - *Cor. Secretary*
P. F. Griffenhagen, '13 - - - - - - - - - - *Rec. Secretary*
Tracy W. Simpson, '09 - - - - - - - - - - *Treasurer*
Thomas A. Banning Jr., '07 - - - - - *Master of Ceremonies*

Board of Managers

Retiring in 1915	Retiring in 1916	Retiring in 1917
F. M. de Beers, '05	H. A. Durr, '05	F. T. Bangs, '13
E. F. Hiller, '06	E. O. Griffenhagen, '06	H. W. Clausen, '04
J. B. Swift, '01	E. A. Lindberg, '01	W. B. Pavey, '99

The Spring Meeting of 1914

The success of the previous spring meeting and reunion, the first to be held at the Institute, was so manifest that similar arrangements were made for the last meeting held Saturday, May 23, 1914. Rivalled with the desire to again meet, shake hands and mingle with old classmates was a drawing card that consisted of nothing less than $40,000 worth of radium, with the result that the largest-ever gathering of Alumni was welcomed back to Alma Mater at this meeting.

The program began at 3 o'clock in the afternoon with an Alumni-Alumni baseball game, instead of the scheduled Alumni-Tech encounter. A pickup team from the different classes played another pickup team from the different classes. It did look like a Faculty-Alumni game, with "Doc" McMullen pitching for one side, and as customary we suppose his side won, though it didn't make much difference. It was all in fun—reunion.

The banquet was served in the gymnasium (all gatherings in the "gym" are not finals). There were 125 Alumni present, together with a majority of the graduating class. We need not say the banquet was good—it is becoming legion that A. A. A. banquets always are— and this one was no exception. After cigars were lighted President Clausen made a few appropriate remarks and then introduced him we know so well, our friend, Dean Monin, who gave hearty welcome to all, spoke to each collectively, and gave of himself to all, adding more firmly to our regard for him. President Clausen called upon the president of the graduating class, C. C. Heritage, who represented one of the largest classes graduating from Armour Institute, and who voiced the willingness of his class to aid in Alumni Association affairs. Professor Phillips, in his best vein, made the boys good listeners to a few remarks appropriate to the occasion.

The cup donated by President Clausen and Vice-President Banning was presented to the class of 1899 in recognition of their having the largest percentage of paid-up resident members in the Association. The deBeers cup also was presented to the class of 1899 for having the largest percentage of attendance at the banquet.

The Alumnus

At a recent meeting of the Board of Managers of the Armour Alumni Association a resolution was passed authorizing the appointment of a publication committee, the duty of this committee being to conduct The Alumnus department of The Armour Engineer. In this manner the work is placed in definite hands and fixes the responsibility for it. Also, the proper opportunity is given to alumni who may wish to make suggestions for the betterment of the department, make criticisms as to its present makeup, or contribute personal items or short articles of interest to alumni.

The co-operation of the Alumni Association with this publication has been mutually beneficial, and it is desired that your co-operation be with both. Your interest will create interest.



Top Row: Swift, Durr, Hiller, Lindberg. *Second Row:* Bangs, Babcock, Huechling, P. Griffenhagen, de Beers. *Bottom Row:* Dean, Simpson, Clausen, E. O. Griffenhagen, Banning

The Passing of '15

When we go out, When we go out
It seems to me, That none there'll be
To sing, to laugh, to shout
Of the wonderful ways, and the happiest haze,
And the glory of college days;
For there's none that have lived,
And none that can live
In this same old silvery maze.
For there is no race that can take the place
And can set the pace we've known
And there's never a class that can ever surpass
The glories we have shown;
And it makes me muse, oh mates of mine,
Who'll nurse the seeds we've sown,
When we go out.

When we go out, When we go out,
On either hand, The records stand
Of a thousand there about
From other gay years, who have shed the same tears
And left these old halls in tears
That the college would fall, as it could not but fall
When they should withdraw their spears;
Who with anguished eye and with deep drawn sigh,
Have bid this same old goodbye,
And wondered how long before things would go wrong
And the spirit old would die,
For each class must be an idol grand
(With the accent on the "I")
When it goes out.

When we go out, When we go out,
It strikes me I wean, Those of Sixteen
Will come with a lusty shout,
With the deep disdain they did long restrain,
Which will never be had again;
And the place they'll fill, that we think we fill,
And they'll fill it with might and main.
For the deeds we've done and the ways we've won
They'll think are but stories spun,
And as our heads swell, so will theirs as well,
Till their hats will not rest thereon,
For they only wait to show us
Just the way things should be run,
When we go out.

J. C. Dolan, '16


ZOOK

Class Officers



CLAUDE A. KNUEPFER

A Study of the Effect on Cement Produced by the Addition of Various Percentages of Hydrated Lime.

Born June 21, 1892, at Chicago, Illinois.

Lane Technical High School, Chicago, '11.

Phi Kappa Sigma; Sphinx Club; A.C.E.S.; Polemics; Y.M.C.A.; Editor-in-Chief, The Armour Engineer, '14-'15; Business Manager, 1915 Cycle; Class President, '14-'15; Class Cheer Leader, '12-'13.

"String" has probably done more for the class than any one else, and this was shown by his election as "First Senior". He is one of the standbys of the Summer Camp, having been assistant to "Pa" Phillips for the past two years. For a real good friend and good fellow, it would be hard to find one to fill his place in the hearts of his friends and of the class, and he belongs in the lineup of "Regular Armour Men."

LEONARD D. HOOK

A Study of the Effect on Cement Produced by the Addition of Various Percentages of Hydrated Lime.

Born December 15, 1893, at Grayslake, Illinois.

Grayslake High School, '09.

Omega Lambda; A.C.E.S.; "A" Club; Class Baseball, '11-'15; Class Basketball, '11-'14; College Baseball, '11-'14, Captain, '13-'14; Class Vice-President, '14-'15; Social Committee, '13-'14.

Hook is one of the best athletes of the class, and has made a name for himself in that line at Armour, especially in baseball, He was a member of the championship team of '12-'13, and one of the leading hitters. But in addition to the honors he has won in athletics, he is a good student and a man who has gained the esteem of the entire class by his good fellowship.

LESTER SMALL DOWNEY

Comparative Test of Wilsey and Blouck Efficiency Meters as Applied to a 350-h.p. Sterling Boiler.

Born November 23, 1887, at Chicago, Illinois.

Armour Scientific Academy, '06.

Omega Lambda; A.S.M.E.; Social Committee, '12-'13; First Marshall 1915 Junior Week; Cycle Staff, 1915 Cycle; Class Secretary, '14-'15.

Downey is one of the members of the class who has had a great deal of practical work before entering Armour, as he worked several years as a machinist. His principal diversion is in operating boats on the lake, but that does not hinder him from getting high grades at school and in taking part in all the school activities. He is one of the popular men of the class.

GEORGE WILLIAM SPROESSER

Design of a Concrete Recreation Pier.

Born May 14, 1891, at Sioux Falls, South Dakota.

Sioux Falls High School, '09.

Phi Kappa Sigma; Tau Beta Pi; A.C.E.S.; Polemics; Second Marshall, 1915 Junior Week; Junior Play; President Polemics; President, A.C.E.S.; Class Treasurer, '14-'15.

George is another "Regular Armour Man", one of the most popular men in the school and also one of the best students. "The Kaiser" ranks among the best in nearly every side of the school life, and has at all times been ready to sacrifice himself for the good of the class. He is one of those who are bound to make good in later life, for he possesses every requirement that leads to success.

The Class of 1915

The story of the class of 1915 can best be told by a fable in which the youth of the fable typifies the class:

Once upon a time, so the fable runs, there was a Small Boy in a Small Town in the Middle West. This was a Regular Small Boy with Regular Parents, who from the day he was born, had destined Their Offspring for a Glorious Future, the destiny, of course, being entirely aside from The Wishes of The Boy. But, as time wore on, and as he gravitated thru the Grade Schools, and finally managed to boost himself thru the High School of The Town, he gradually became imbued with an Infinitesimal Part of the Hope and Ambition for his Future, which was his Parents'. So when he saw his Chums of High School Days venturing forth to various Colleges and Universities, he was seized with a Spirit of Unrest, and desired to do likewise. This Spirit was further increased by the Desire to shine in the Eyes of a Certain Girl of the Same Town. Yes, by this time there was a Girl, The Girl, The Only Girl in The World, as has been for Time Immemorial and always will be. And as a True Knight would, when The Girl confided that she also had High Ambitions for him, it was a Sure Thing that he should go to Some Good School, where His Ambitions, and Her's, and His Parents', would be realized.

Therefore, we behold Our Hero, one beautiful Autumn Morning, boarding the Fast Train, which passed thru the Home Town once each day. Our Hero had a Ticket to Chicago, a Small Fortune in Cash (so He and His Parents thought at the time), Tears in His Eyes and an Ache in His Heart. And the Ache in His Heart was like unto the Ache in the Hearts of His Parents, who for a while, wished that their Wishes had been unfulfilled. And it was also like unto the Ache in the Heart of The Girl, as always will be. But the Train sped on, and the Ache in His Heart abated to some extent, as Our Hero beheld Things new to His Eyes, which, heretofore, had existed only to him in Dreams and in Books. As the train drew nigh to the City of Perpetual Grime, High and Noble Feelings filled the Breast of The Youth, as they did the Breast of The Mighty Lancelot when he first beheld the Glorious Camelot. Dreams of The Future, when he should return to the Town of His Birth, steeped in Wisdom and The Ways of the World, to fill The Hearts of His Loved Ones with Joy at having known him, chased themselves thru His Mind.

But when the Train backed itself into The Station, so unlike the Small Red Depot in his Home Town, and when he beheld People hurrying to and fro in numbers of which, to this time, he had had not the Least Comprehension, even in His Wildest Dreams, the Wonderful Dreams chased themselves away, even to the Last One, and left an Immense Vacuum and a Feeling of Emptiness where they had been. As he wended His Way to the Vicinity of Thirty-Third and The Tracks, which was to be the Scene of His Future Labors, through Immense Canyons of Buildings and through Masses of Strange Human Beings, all acting in the Strange and Uncouth Manner, which he later found to be a Peculiarity of The People of The Windy City, he gradually shrunk smaller and smaller in His Own Estimation of Himself, until by the time he reached The Institute of Armour, he was in a Fit Condition to be impressed with The School.

We will not dwell upon The Life of Our Hero to any great extent for The Next Three Years, Suffice it to say that he absorbed, to a Greater or Less Degree, Various Subjects of Instruction forced upon him by The Requirements of His Course, and aside from that, developed greatly in His Views and Ideas of The World as represented in The City of Chicago. As he was a Youth somewhat endowed by Nature and

Heredity with Good Morals and a Strong Constitution, he remained untarnished by The Wickedness of The City, and faithful, in the main, to The Girl at Home, whom he heard from regularly once each week. He was an Ardent Booster for The School and The Class, and as he was good-looking and had a Sufficiency of "Kale," he had acquired popularity among His Classmates, and had gained a Few Real Friends.

So when The Time finally came for him to graduate with The Class, The Good Old Class of 1915 by the way, he was up to The Standard of The Rest of The Graduates of The School, fit to take care of himself in any of The Walks of Life in which he should be thrown. And while he had, in fact, accomplished but a Small Part of the things which were possible to have been done, he had The Feeling of Satisfaction which comes only to Those Who Have Done their Best, given of The Best that is in Them so far as it is in Their Power, and are thus made able to do Their Small Share in The Life of The Great World of Strife and Struggle in which they are destined to play a Part.

And The Youth returned again to his Home Town. And the Dreams that had filled his Mind on his Entrance into The City, were strangely lacking, for in The Short Space of Time in which he had dwelt in The City of His Dreams, his Ambition had changed. Instead of The Dreams of Vast Success, there had come into his Life a New Idea, which had been implanted in him, partly by his Observation of The Lives of The People of The City, but to a Greater Extent, by the Teachings of his Professors. And the Grand Idea, without which his College Course would have been wasted, was this; To do His Best at All Times, no matter whither or where the Path of Life should lead, and in The Doing Thereof would be Happiness, and in The End Thereof would be The Glorious Success. And in this One Idea was the Essence of his College Course, without which it would have been Nothing, and without which his Life would have been a Failure and a Disappointment. And as he had obtained The Grand Idea, he felt repaid for The Four Long Years which he had labored, and when His Parents and The Girl discovered that he had obtained it, they rejoiced and felt repaid a Thousand-Fold for the Lonesome Ache that had remained in Their Hearts during The Four Years that The Youth had gone from out Their Lives.

* * * * * * *

B.S. in M.E.

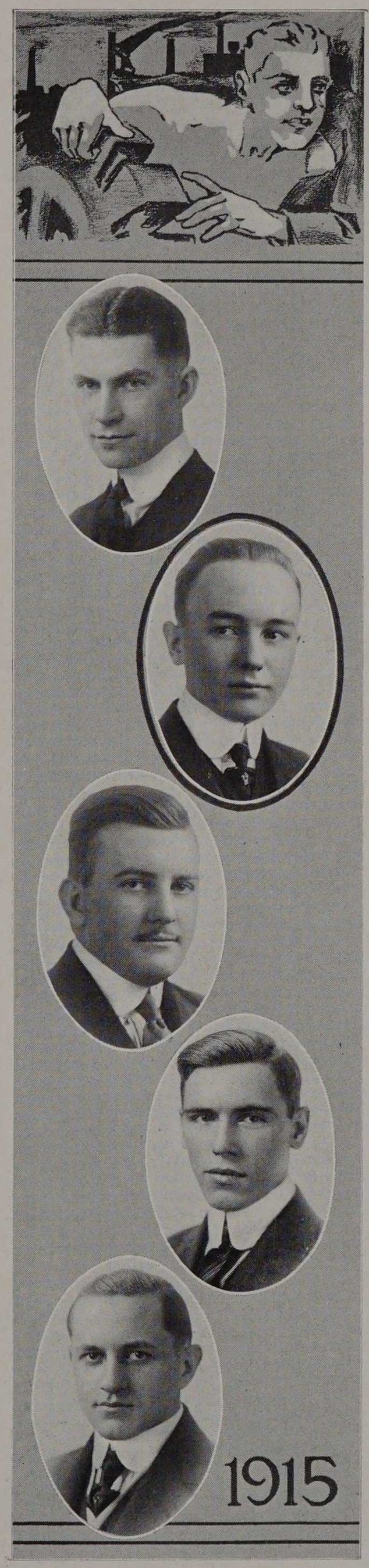
FRANK G. COOBAN
Volumetric Efficiency of a Packard Six-Cylinder Motor.
Born May 6, 1893, at Chicago, Illinois.
Armour Scientific Academy, '10.
Delta Tau Delta; Skull and Chain; Radical X; "A" Club; A.S.M.E; College Baseball, '11-'13; Class Baseball, '11-'14; Social Committee, '11-'12; Ass't. Manager Glee Club, '11 '12; Business Manager, '12-'13; Senior Marshall, '13-'14; Board of Athletic Control, '13-'14, Secretary, '14-'15.
"Duke" has always been prominent in the social activities of the class, and in addition, has come to be known as one of the real students among the Mechanicals. His popularity in the school is shown by the above record, which is one to be proud of.

CLIFFORD D. WIGHT
Effect of Varying Compression on Efficiency and Fuel Consumption of a Gas Engine.
Born May 18, 1893, at Trinidad, Colorado. Died March 17, 1915.
Hyde Park High School, Chicago, '11.
Sigma Kappa Delta, A.S.M.E.; Y.M.C.A.; Armour Glee Club, 14-'15; Polemics; Junior Play; Class Secretary, '13-'14.
After trying several colleges, Wight decided to finish his college work at Armour, and has done so with much credit to himself. He is a conscientious student, and has not permitted his studies to keep him from participating in the various activities of school life, where he has made his presence felt.

JOHN R. LEVALLY
Relation Between Rate of Combustion and Draft Pressure for Chain Grate Stoker Applied to 350-H.P. Sterling Boiler.
Born July 6, 1892, at Chicago, Illinois.
University High School, Chicago, '09.
Tau Beta Pi; Radical X; A.S.M.E.; Y.M.C.A.; Glee Club, '13-'14; Leader Glee Club, '14-'15; Senior Fulcrum Representative, '14-'15.
John is one of the most popular fellows in Armour, as well as a fine student. He is one of the "Regular Armour Men" and is a leader in school affairs. He is one of those who have had practical work before entering school, having worked for the Rumeley Company, Wisconsin Steel Company and Crane Company at various times before and since he has entered Armour.

WILLIAM M. BREADY
Construction of Rear-Wheel Dynamometer and Horse-Power Meter and Test of Halladay Chassis.
Born September 20, 1894, at Chicago, Illinois.
Lake High School, Chicago, '11.
A.S.M.E.; Y.M.C.A.; Polemics; Class Baseball, '11-'14; Class Basketball, '11-'14; College Basketball, '14-'15; Athletic Editor, 1915 Cycle; Class Cheer Leader, '13-'15.
"Bill" is one of the youngest of the Mechanical class, and is a booster every minute. He always finds time to turn out posters or other art work whenever it is needed. How he does it is a mystery, as he does enough outside work to kill an ordinary man.

FRED L. BREWER, JR.
Comparative Tests of Multi-vane Blower Impellers.
Born December 12, 1892, at Chicago, Illinois.
Armour Scientific Academy, '10.
Phi Kappa Sigma; Radical X; A.S.M.E.; Mandolin Club; Y.M.C.A.; Polemics; Wrestling Squad, '13-'14; Class Baseball, '11-'14; Class Basketball, '11-'15; Class Track, '12-'14; 1914 Cycle Staff; President A.R.A., '13-'14; Chairman Song Contest Committee.
"Doc" is a typical Armour man, equally at home in overalls or full dress, a gentleman and a real man, and a good student besides





B.S. in M.F.

FREDERICK L. CHIPMAN
Effect of Varying Compression on Efficiency and Fuel Consumption of a Gas Engine.
Born February 2, 1889, at Anamosa, Iowa.
Armour Scientific Academy, '10.
Sigma Kappa Delta; Sphinx Club; A.S.M.E.; Polemics: Y.M.C.A.; College Wrestling, '13-'14; Ass't. Business Manager, 1915 Cycle; Chairman, Senior Pin Committee.
"Equanimity," so named by Dean Monin, is one of the quite,slow sort of fellows who accomplish things. His unfailing good nature and kind-heartedness have made him well liked at Armour, and will do the same for him in later life.

LUDWIG W. A. BUNGE
Thermodynamic Analysis of Westinghouse 8x10, 3-Cylinder Gas Engine as Affected by Cam Design.
Born July 29, 1886, at Chicago, Illinois.
Armour Scientific Academy, '07.
Radical X; Y.M.C.A.; Class Treasurer, '13-'14; Auditor 1915 Cycle.
"Ludwig" is one of the married men of the class, but he doesn't let that keep him from taking part in all the class affairs, and Mr. and Mrs. Bunge are always present at the Armour social affairs. Bunge is one of the dependable men of the class and a hard worker.

HERBERT P. SHERWOOD
Efficiency and Capacity Test of a Small Absorption Refrigerating Machine.
Born December 1, 1891, at Paterson, New Jersey.
Paterson High School.
Delta Tau Delta; Radical X; A.S.M.E.; Social Committee, '12-'14; Chairman Social Committee, '12-'13.
"Pinky" came all the way from New Jersey to attend Armour, which shows his far-sightedness and sound judgment. He is one of the hard workers of the class, although golf and the fair sex take up much of his time.

JESS A. AGEE
Efficiency and Capacity Test of a Small Absorption Refrigerating Machine.
Born October 13, 1893, at Springfield, Illinois.
Wendell Park High School; Armour Scientific Academy, "11.
Tau Beta Pi; Radical X; A.S.M.E., Secretary, A.S.M.E.
"Jess" is a fine student and one of the best fellows we have had occasion to run across. We look for him to make a big success after graduation, as he has done in his school work.

FRED LEWIS FAULKNER
Factors Influencing the Strength of Tapped Holes. A.A.E. Research.
Born November 15, 1893, at Aurora, Missouri.
Aurora High School, '11.
Beta Phi; A.S.M.E.; Polemics; Y.M.C.A.; Band, '12-'15, Leader, '13-'14; Orchestra, '12-'15; Glee Club, '12-'15; College Track, '11-'14; Class Track, '11-'13.
"Freddie" is always full of life and school spirit, as is shown by the above list, even if he is from Missouri. His chief pastime is in driving and repairing automobiles, and he has had considerable experience with motor boats.

B.S. in M.E.

JAMES L. MAYER
Design and Construction of an Exhaust Gas Calorimeter for an Automobile Engine.
Born October 13, 1893, at Mitchell, South Dakota.
Englewood High School, Chicago.
A.S.M.E.; Polemics.
Mayer is one of the most enthusiastic boosters in school, when it comes to working for the Rooters Association. His ideas did more for the success of Circus Day last year than anything else.

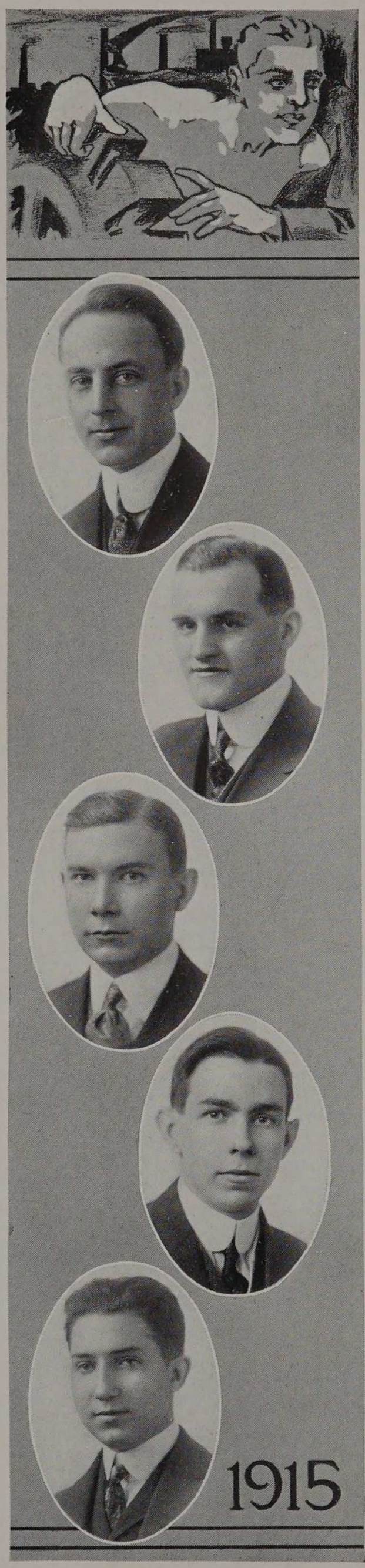
OSCAR A. ANDERSON
Comparative Tests of Multi-Valve Blower Impellors.
Born August 12, 1894, at Chicago, Illinois.
Englewood High School, Chicago, '11.
Sigma Kappa Delta; A.S.M.E.; Polemics; Y.M.C.A.; Glee Club, '11-'12; Class Track, '12; Rec. Sec., Y.M.C.A.; Vice Pres., A.S.M.E.
"Andy" is one of the hard workers of the school, but still finds time to take part in all the school affairs. He has put more painstaking effort into the development of his "mustache," with less result, than anyone else in school.

WILLIAM PATERSON
Design, Installation and Operation of Cams for the Valve Gear of a Three-Cylinder, 8x10, Westinghouse Gas Engine.
Born October 1, 1885, in Edinburgh, Scotland.
Whipple Academy, Jacksonville, Illinois.
A.S.M.E.; Polemics.
Paterson came to us at the beginning of the Sophomore year, after having tried various schools, among them Illinois College and the University of Illinois, but decided to graduate at Armour.

EMIL STEPANEK
Volumetric Efficiency Test of a Six-Cylinder Packard Motor.
Born December 23, 1893, at Chicago, Illinois.
Lake High School, Chicago, '11.
Tau Beta Pi; A.S.M.E.
"Step" is one of our best students, having started the work in high school and kept it up ever since. He is one of the humorists of the class, and is always good natured and pleasant to meet.

HAROLD J. BARTLETT
Construction of Rear-Wheel Dynamometer and Horse-Power Meter and Test of Halladay Chassis.
Born October 17, 1893, at Chicago, Illinois.
Lane Technical High School, Chicago, '11.
A.S.M.E.; Y.M.C.A.
Bartlett is a fellow who will make good one of these days, as he is studious and industrious, and has attended school under difficulties that would have daunted anyone but an Armour man.





B.S. in M.E.

WALTER L. JUTTEMEYER
Relation Between Rate of Combustion and Draft Pressure for a Chain Grate Stoker Applied to a 350 H. P. Sterling Boiler.
Born October 2, 1887, at Alton, Illinois.
Alton High School, '05.
A.S.M.E.; Treasurer, '14-'15.
"Jutte" is the decimal point in size in the mechanical class, but although small in size, his presence is always felt. He is a hard worker and belongs to the list of "Regular Armour Men".

WALTER W. SIR
Economy and Capacity Test of a York Three-Ton Ice Plant.
Born October 25, 1892, at Chicago, Illinois.
Lake High School, Chicago.
A.S.M.E.; Class Track, '13-'14.
Sir is one of the real mechanics of the class, having built an automobile of his own. He has been an assistant in Dr. Gunsaulus' office for four years, and is well-liked by everyone with whom he comes in contact.

HARLAN C. SKINNER
Factors Influencing the Strength of Tapped Holes. S.A.E. Research.
Born July 31, 1890, at Forrest, Illinois.
Forrest High School, '09.
Beta Phi; A.S.M.E.; Y.M.C.A.
Skinner is a quiet, reserved sort of fellow, but once understood, is the kind of man that one likes to call a friend. His main hobby is carburetors, a new type of which he is now developing, and no doubt he will make a success of this work, as he is successful in everything he attempts.

ROGER C. PALMER
Volumetric Efficiency of a Packard Gasoline Motor.
Born September 24, 1892, at Chicago, Illinois.
Armour Scientific Academy, '11.
A.S.M.E.; Y.M.C.A.; Chairman Membership Committee, '14-'15.
The "Jolly Roger," as he is known, is one of those quiet, industrious fellows, who has gone through school with a minimum amount of noise and a maximum of work.

LEWIS E. HIBBARD
Design and Construction of an Exhaust Gas Calorimeter for an Automobile Engine.
Born September 9, 1892, at Chicago, Illinois.
Lane Technical High School, Chicago, '10.
A.S.M.E.; Polemics; Y.M.C.A.
Hibbard is always present when there is anything doing at Armour. He is a good worker, and a pleasant fellow to know. He was out of school a year, having enrolled with the class of 1914.

B.S. in M.E.

HUBERT ELMORE WILLSON
Relation between Rate of Combustion and Draft Pressure for a Chain-Grate Stoker as Applied to a 350 H.P. Sterling Boiler.
Born September 7, 1890, at Decatur, Illinois.
Kearney Military Academy, Kearney, Nebraska, '09.
Phi Kappa Sigma; Radical X; Nebraska Club; A.S.M.E.; Band.
"Woodrow," as he is known, has that rare quality—personality. It has given him the power that always stamps him as a leader wherever he may be.

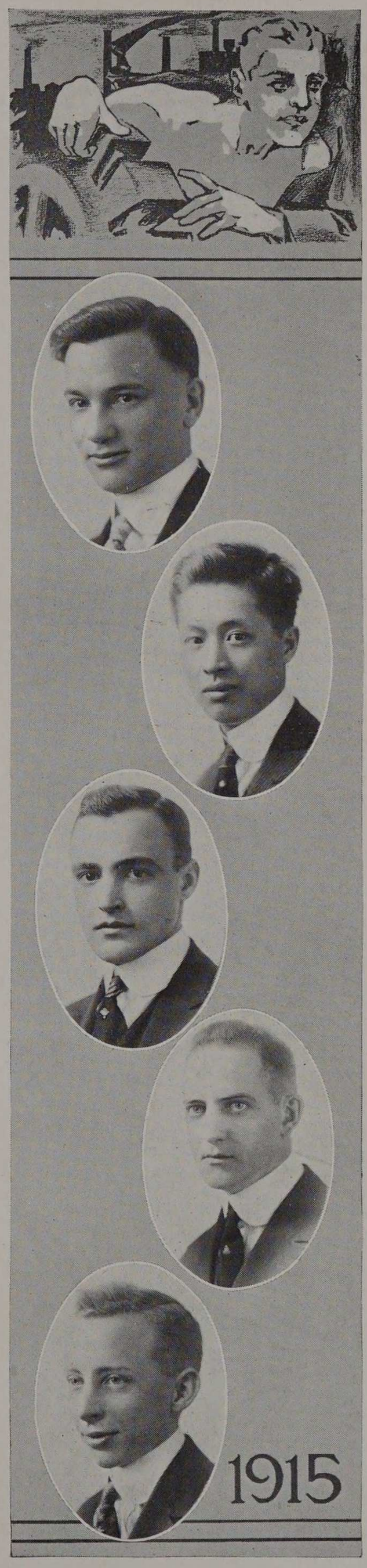
JEE KWUN WONG
Efficiency and Capacity Tests of a Small Absorption Refrigerating Machine.
Born February 12, 1892, at San Francisco, California.
Tangshan Engineering College, North China, '14.
A.S.M.E.
Work and persistency are the twin secrets of Wong's success. Though he has been with us but a short time, he has won many friends. It is reported that he aspires to a professor's "job".

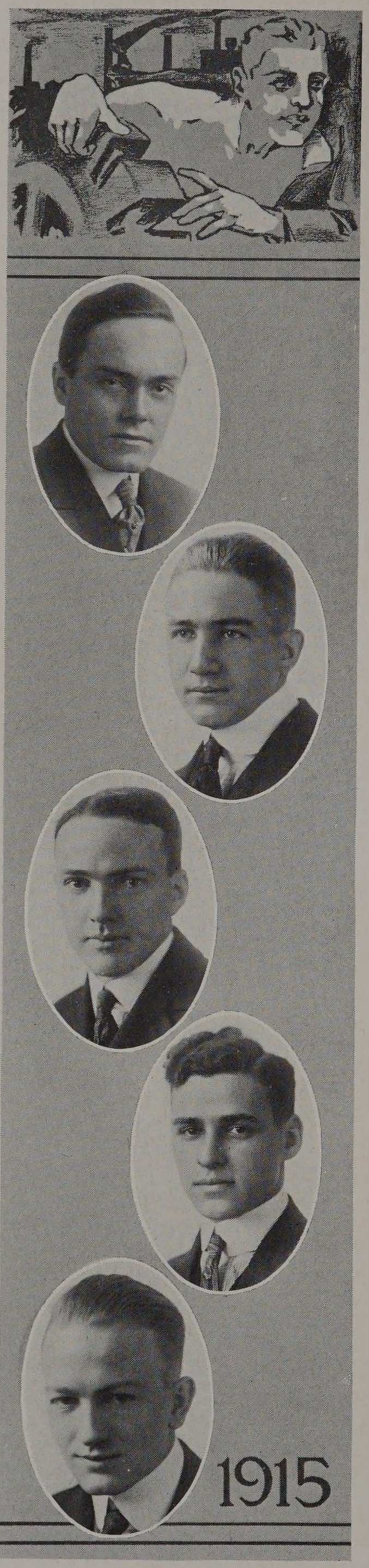
EUGENE S. HARMAN
Study of Spray Nozzles for Oil Engines.
Born November 28, 1892, at Chicago, Illinois.
Lane Technical High School, Chicago.
Delta Tau Delta; Radical X; A.S.M.E.
Harmon first came to Armour with the class of 1914, but we were glad when he decided to become a member of the class of '15. Before entering Armour, he had two years at De Paul University.

CHARLES EGBERT GLEASON
Comparative Tests of Blonck and Wilsey Efficiency Meters as Applied to a 350 H.P. Sterling Boiler.
Born November 25, 1889, at Kalamazoo, Michigan.
Kalamazoo High School, '09.
Phi Kappa Sigma; Radical X; A.S.M.E.; College Baseball, '11-'12; Class Baseball, '11-'14.
Gleason, more often known as "Rip," devotes a great deal of his time to sleep, but when he is awake, is always up and coming.

B.S. in E.E.

WALTER BORROUGHS
Indirect Illumination with Nitrogen Filled Lamps.
Born September 15, 1893, at Toronto, Canada.
Calumet High School, Chicago, '11.
Sigma Kappa Delta; Tau Beta Pi; Eta Kappa Nu; A.I.E.E.; Y.M.C.A.; Class Basketball, '13; Chairman, A.I.E.E., '14, '15; Pres. Y.M.C.A., '14; Chairman Smoker Committee, '14.
Walter is one who gets things done without the accompaniment of a brass band. In spite of the fact that he is a "shark" in his studies, he is mighty well liked by his schoolmates.





B.S. in E.E.

J. Friece Adamson
Indirect Illumination with Nitrogen Filled Lamps
Born November 1, 1890, at Correctionville, Iowa.
Correctionville High School, '09.
Sigma Kappa Delta; Eta Kappa Nu; A.I.E.E.; Y.M.C.A.; Treas. A.I.E.E., '14-'15.
"Ad's" ambition, next to being an electrical engineer, of course, is to go back to the farm and live "the life." He is a master of that most necessary art—self control.

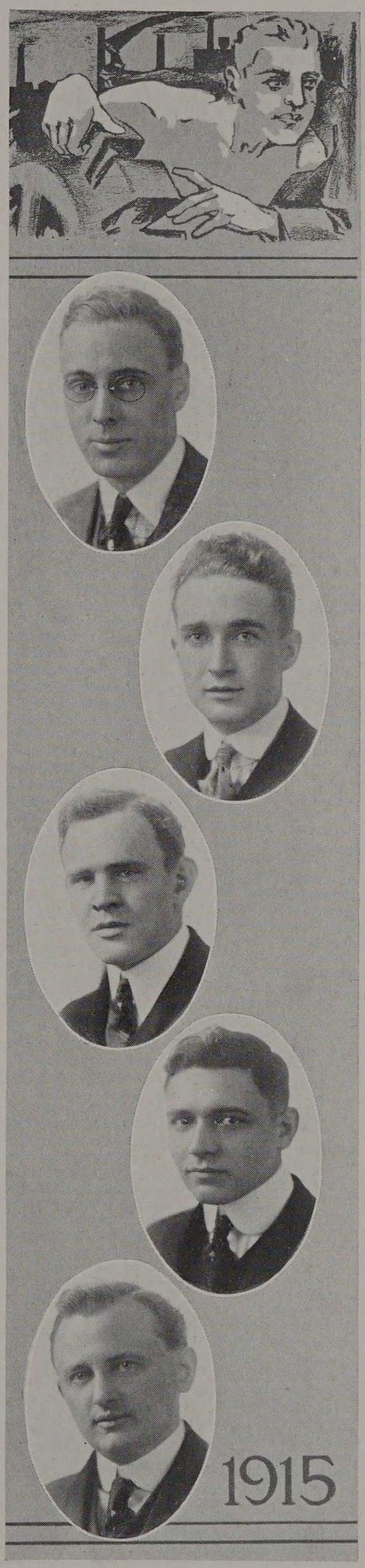
Roy Hupp
Steam Power Plant Design.
Born March 18, 1892, at Slater, Missouri.
Slater High School, '09; Central College.
Omega Lambda; Eta Kappa Nu; Glee Club, '14-'15.
Roy is one of the fellows who are putting in their nights working, while attending school at Armour and making good in his classes. Take our word for it, that requires "pep."

John Deering
Design of Hocking Valley Power and Transmission System.
Born July 31, 1887, at Highland Park, Illinois.
Deerfield Twp. High School, Chicago; University of Arizona.
A.I.E.E.
John says that in search of a good thing, one may well go a long way. Witness the fact that he has gone to Arizona and returned to graduate from Armour. In addition to that, he travels from Highland Park every day to attend his classes.

Sidney Shaffer
Diversity Factor.
Born January 15, 1893, at Chicago, Illinois.
Wendell Phillips High School, Chicago, '10.
Beta Phi; A.I.E.E.; Y.M.C.A;. Class Track, '11-'13; College Track, '11-'12; Fulcrum Representative, '13-'14; Humor Editor 1915 Cycle; Junior Play, '14.
"Sid" came into his own when he was appointed Humor Editor of the Cycle. He has something in him, however, besides humor and athletics, for he stands near the top in his studies, and is well liked by everyone who knows him.

Walter Pfeiffer
Design of a High Voltage Transmission Line.
Born January 1, 1893, at Kewaskum, Wisconsin.
Sheboygan Falls High School, Wisconsin.
Omega Lambda; Tau Beta Pi; Eta Kappa Nu; A.I.E.E.; College Track, '11-'12; Class Secretary, '12-'13.
Pfeiffer's wavy golden hair is at once the pride and despair of the Electricals. He is an easy winner in a beauty contest and a good student.

B.S. in E.E.



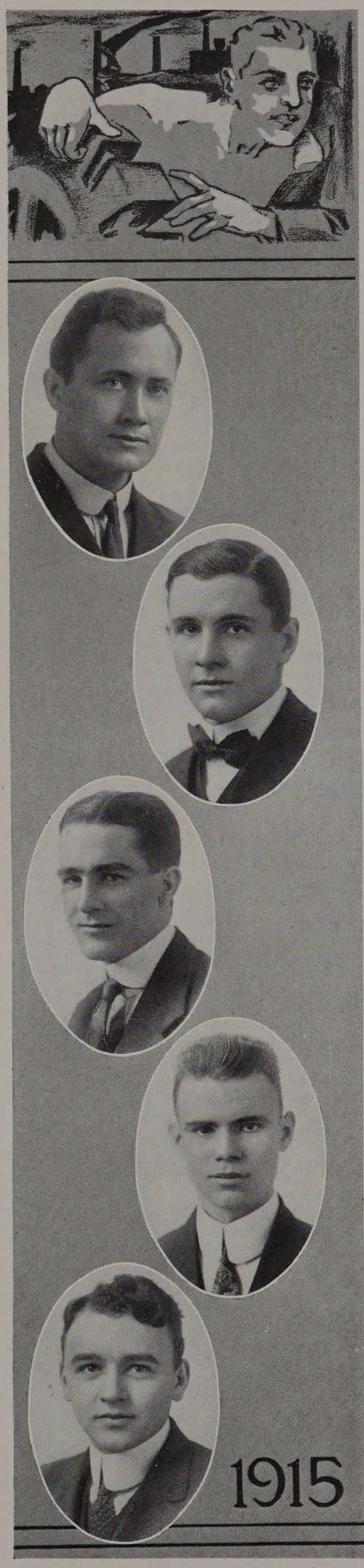
CHESTER F. WRIGHT
Indirect Illumination with Nitrogen Filled Lamps.
Born July 21, 1892, at Waterloo, Iowa.
Armour Scientific Academy, '11.
Sigma Kappa Delta; Eta Kappa Nu; Sphinx Club, Y.M.C.A.; A.I.E.E.; Secretary, A.I.E.E., '14-'15; Cycle Staff, 1915 Cycle.
"Ches" is one of the few who have come up from the Armour Academy. Although busy with his studies, he has taken his share in Armour affairs. He is a man worth knowing, and one who will always "lend a hand."

THOMAS SULLIVAN
Design of Hocking Valley Power and Transmission System.
Born February 24, 1894, at Chicago, Illinois.
Wendell Phillips High School, Chicago, '11.
Delta Tau Delta; Radical X; Eta Kappa Nu; "A" Club; A.I.E.E.; Y.M.C.A.; Baseball, '12-'15; Captain, '15; Basketball, '14-'15; Class Baseball, '14-'15; Class Basketball, '12-'15; Board of Athletic Control, '12-'13; Rooters Association, '13-'14; Social Committee, '14-'15.
"Tom's" wit and smile are as well known as his prowess in athletics. And there are those who envy his class record when they consider the amount of time he has bestowed on this branch of school life.

EDWARD J. BURRIS
Design of Hocking Valley Power and Transmission System.
Born January 23, 1889, at Aurora, Illinois.
Armour Scientific Academy, '11.
A.I.E.E.
"Irish," as he is affectionately called by his friends, is one of the "early settlers," having prepared at the Armour Academy. He can tell about anybody or anything of interest connected with Armour for some time back.

HARRY F. SEEBURGER
Design of an 8000 K. W. Electric Power Plant.
Born September 12, 1893, at Chicago, Illinois.
Armour Scientific Academy, '11.
A.I.E.E.; Y.M.C.A.
Seeburger represents that very necessary type of fellow, the one with a ready smile and a placid temperament. He will always laugh at your jokes, and enjoys one on himself as well as on another.

T. MIECZKOWSKI
Design of an 8000 K. W. Electric Power Plant.
Born May 12, 1885, at Warsaw, Poland.
Warsaw Gymnasia, '05; Lewis Institute.
A.I.E.E.
"Miss," as he is known to us, early recognized the superiority of Armour, and has pursued his studies here in the face of obstacles that would have daunted the most of us, and has the respect of all who know him.



B.S. in E.E.

HARRY A. MAMMES

Design of Hocking Valley Power and Transmission System.
Born September 6, 1887, at Springfield, Ohio.
Springfield High School, '05.
A.I.E.E.; Class Baseball, '11-'13; Class Basketball, '11-'15, Class Basketball Manager, '12-'15.
Mammes is one of the biggest men in school physically, and ranks among the highest in his studies. He is always a good booster for the class athletic teams, and is one of the popular fellows of the school.

GLEN A. BARRER

Diversity Factor.
Born November 1, 1891, at Victoria, Illinois.
Galesburg High School, Illinois, '08; Knox College, '12.
Beta Phi; A.I.E.E.; Y.M.C.A.
A B.S. degree will be no novelty for Glen, as he holds one already from Knox College. He feels, no doubt, that he has spent enough time in higher education, and will welcome a change.

B.S. in C.E.

JOHN JUCKER, JR.

Design of a Sanitary Sewer System for the Village of Barrington, Illinois.
Born February 16, 1893, at Fond du Lac, Wisconsin.
Hyde Park High School, Chicago, '10
Phi Kappa Sigma; Skull and Chain; Sphinx Club; A.C.E.S.; Radical X; Y.M.C.A.; Polemics; Business Manager Glee and Mandolin Club, '13-'15; Business Manager, Fulcrum, '14-'15; Class Representative, A.R.A.; Class Pin Committee, '14-'15.
Such a record, which fortunately speaks for itself, leaves us little enough space in which to eulogize, but we need only say that in the time "Buz" has been at Armour, he has obtained the high regard of those who know him, and this means the entire school.

CHARLES R. SIMMONS

Layout of an Industrial Town at Black Lake, Michigan.
Born October 12, 1892, at Milwaukee, Wisconsin.
A.C.E.S.; Polemics; Y.M.C.A.; Class Vice-President, '13-'14; President, Polemics, '13; Fulcrum Staff, '13-'14; 1915 Cycle Staff; Junior Play.
"Archimedes," as he has been dubbed by his classmates, is one of those rare combinations, a genius and a perfect gentleman. Socially and scholastically, he is the kind of a man that would be a credit to any school.

FAYE N. COMPTON

Design of a Reinforced Concrete Coalyard.
Born November 11, 1890, at Paris, Illinois.
Austin High School, '10.
Sigma Kappa Delta; A.C.E.S.; Title Role in Junior Play, 1913; Junior Play, '14.
"Comp" is one of those who came back to us from the class of '14. He is a fellow who is at home anywhere, at summer camp or on a dancing floor. He is always present at Armour functions, and always just the same wherever he may be found.

B.S. in C.E.



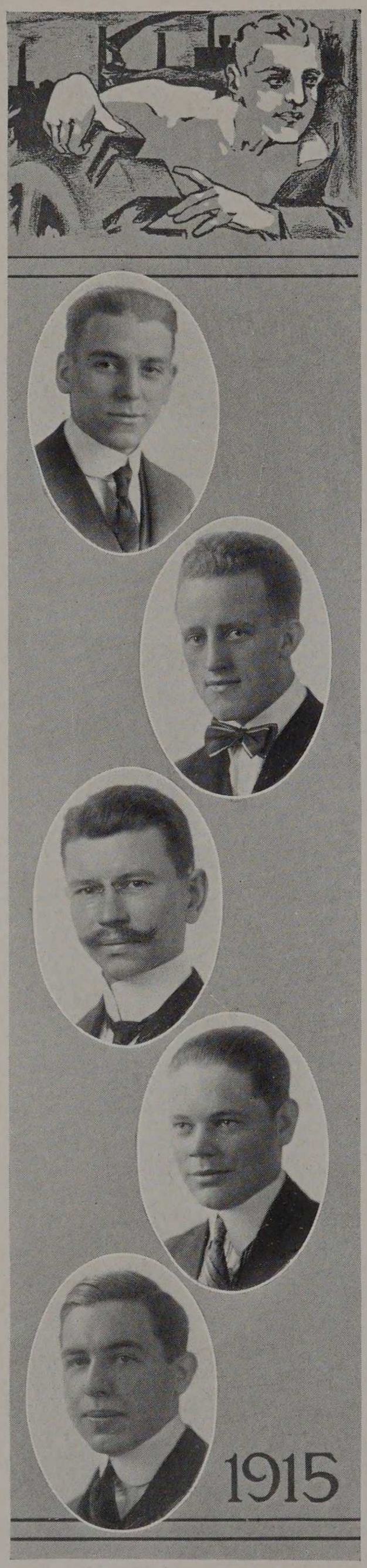
THEODORE J. KIENE
Design of a Reinforced Concrete Recreation Pier.
Born October 5, 1891, at Omaha, Nebraska.
Omaha, High School, '11.
Tau Beta Pi; A.C.E.S.; Polemics; Nebraska Club; Y.M.C.A.; Class Baseball, '12-'14; Senior Representative A.R.A.; Senior Picture Committee, Cor. Sec. A.C.E.S.; Secretary, Polemics.
"Ted" is a scholarship man, having come to Armour on the Rosewater Scholarship offered at the Omaha High School. He is one of the Cornhusker bunch, and proud of it. He is one of the best liked fellows in the class, also one of the best students.

EMMET R. MARX
Layout of an Industrial Town on Black Lake, Michigan.
Born October 13, 1894, at Chicago, Illinois.
Wendell Phillips High School, Chicago, '11.
A.C.E.S.; Polemics; Y.M.C.A.; Glee Club, '12-'15; Rec. Sec., A.C.E.S.; Fulcrum Staff, '14-'15.
Emmet is the kind of a fellow one is proud to call a friend. He is clean-minded level-headed, a consistent worker, and moreover, has a keen sense of humor.

JOSEPH L. DUFFY
Design of a Reinforced Concrete Arch Highway Bridge Over the Fox River, Montgomery Twp., Kane County, Illinois.
Born July 12, 1890, at Chicago, Illinois.
Crane Technical High School, Chicago, '10.
A.S.M.E.
"Duff" is one of the steady, conscientious workers of the class, and a fine fellow in the bargain. He is always just the same whenever you meet him, a characteristic that will be a big asset to him in later life.

MORRIS GRODSKY
A Sewer System for Crete, Illinois.
Born September 20, 1891, at Odessa, Russia.
Polemics, Vice-President, '14-'15.
Grodsky is one of those men who acquire a comprehensive grasp on every subject they undertake. His activities are not confined to technical subjects alone, for he is a fine musician, is familiar with several foreign languages, and is an all-round student.

M. A. SHERMAN
A Sewerage System for Crete, Illinois.
Born December 23, 1892, at Chicago, Illinois.
Medill High School, Chicago, '08.
A.C.E.S.; Polemics; Y.M.C.A.
Sherman is a live, ambitious sort of a chap. His fondness for music and other recreations is well known, but that does not prevent him from making an excellent record in his studies during the four years.



B.S. in C.E.

GEORGE J. TRINKAUS
Sewer System for Barrington, Illinois.
Born July 31, 1893, at Chicago, Illinois.
Tuley High School, Chicago; Redlands High School, California, '11.
A.C.E.S., Vice Pres., '14-15; Sphinx Club; "A" Club; Polemics; Glee Club; Tech Baseball, '12-'15; Tech Track, '11-'15; Class Baseball, Basketball, Track, '11-'15; College Wrestling; 1915 Cycle Staff; Fulcrum Editor "Exhaust", '13-'15.
"Trink" is a "Regular Armour Man," and one of the finest fellows it has ever been our pleasure to meet. He is a hard worker, a good student and a real humorist, a combination hard to beat.

HAROLD E. ANNING
Born December 8, 1892, at Sterling, Illinois.
Lane High School, Chicago, '11.
Phi Kappa Sigma; A.C.E.S.; Y.M.C.A.; Social Committee, '12-'15; Chairman Social Committee, '13-'14.
To have a friend in "Dewey" Anning is to have a cheerful, jolly, true one. Though not at all a grind, Harold has managed to get through his studies in an acceptable manner, besides being one of the popular fellows of the class.

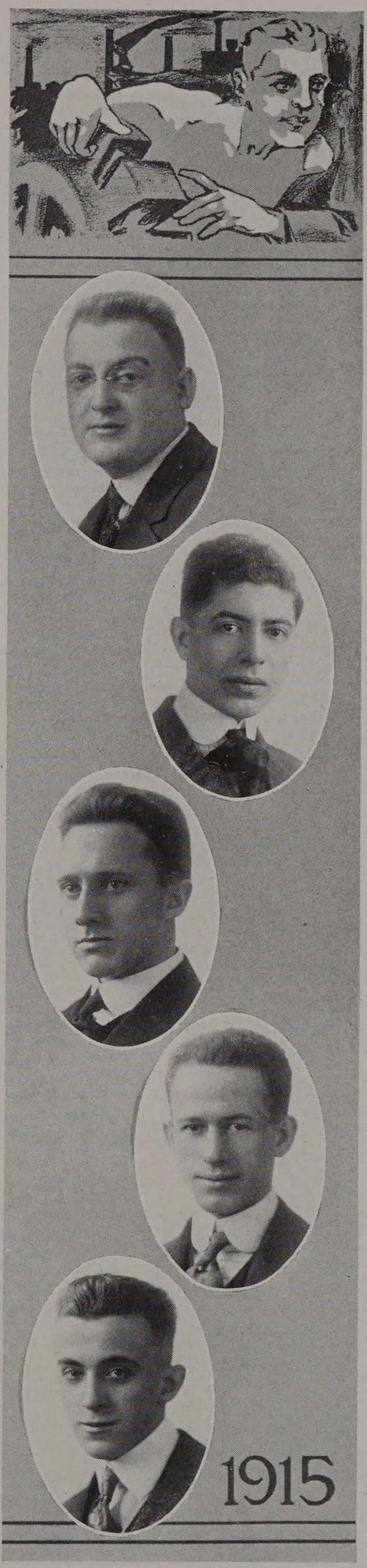
MAX DEITENBECK
A Direct Lift Bridge.
Born March 19, 1883, at Hohenlimburg, Germany.
Attended various schools in Germany and Belgium.
Pres. Polemics, '12-'15; Chapin Club, '12-'13; A.C.E.S.; Glee Club '11-'12; Fulcrum Representative; Financial Committee.
To overcome the difficulties in one's way and to overcome them in the way that Max has done, is indeed a credit to any man. His efforts have been untiring, even since he was "captured by Ireland". Yes, Max, in addition to attending Armour, became a benedict in his Junior year.

M. V. AHLVIN
Concrete.
Born April 25, 1892, at Joliet, Illinois.
Joliet Technical High School, '09.
Ahlvin is one of the fellows who have had considerable experience in engineering, having worked several years for engineering firms. He is an all-round good fellow and well liked at Armour.

B.S. in Ch.E.

ROBERT L. WILSON
Preparation of Thoria.
Born August 27, 1893, at Chicago, Illinois.
University High School, Chicago, Illinois.
A.Ch.E.S.; Y.M.C.A.
"Woodrow's" chief occupation, outside of his studies, has been the elimination of ambitious tennis players in the early rounds of the tennis tournaments.

B.S. in Ch.E.



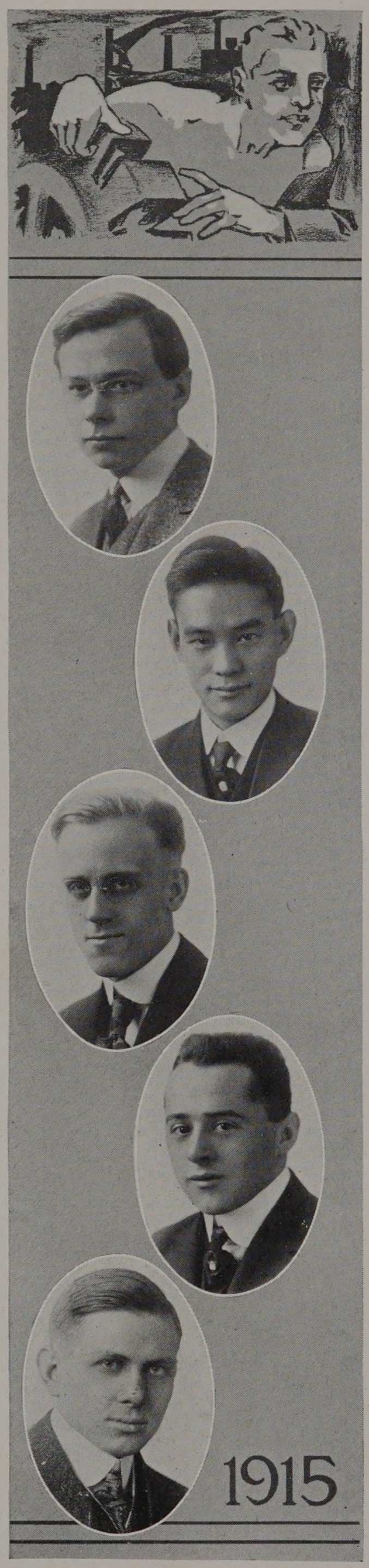
ALEX N. GROSSMAN
The Study and Production of Magnesium by Electrolysis.
Born June 7, 1892, at Chicago, Illinois.
Medill High School, Chicago, '08.
The Ohr; Sphinx Club; A.Ch.E.S., Treasurer; Y.M.C.A.; 1914 Cycle Staff; 1915 Cycle Staff, Advertising Manager; Business Manager, The Armour Engineer, '14-'15; Junior Play.
An all-round good fellow with lots of executive ability and plenty of pep. Shows considerable promise in the business line, and has a weakness for talking about "her".

JOSEPH LAULETTA
Extraction of Thoria.
Born February 4, 1892, at Chicago, Illinois.
Tuley High School, Chicago, '11.
A.Ch.E.S.; Y.M.C.A.
The most comical of the "Comical Chemicals of 1915" is the way that we know Joe best. In addition to being a natural comedian, he is a good student and a good fellow.

RAYMOND D. PARROTT
Recovery of Glycerol from Soap Lye.
Born June 11, 1893, at Chicago, Illinois.
Armour Scientific Academy, '11.
A.Ch.E.S., President, '14-'15.
Parrott is a quiet sort of fellow, something out of the ordinary among the Chemicals. He is a good student and a man who is able to take care of himself anywhere, and at all times.

CHARLES C. CONGDON
Study of the Corrosion of Boiler Tubes.
Born March 10, 1892, at Bristol, Indiana.
Bristol High School, '10
A.Ch.E.S., Secretary, '14-'15; Y. M.C.A.
"C.C.C." is a Hoosier, but in spite of that fact, has never publicly committed any poetry, which, in itself, marks him as unusual. He does his share in the "doings" of the Chemicals.

ERNST SIECK
Neutralization of Edible Oils.
Born June 27, 1892, at Chicago, Illinois.
A.Ch.E.S.; Y.M.C.A.; Class Track, '11-'14; Manager 1915 Circus Day.
P. T. Barnum used to be the world's greatest circus manager until Sieck stepped in and showed us how a circus should be run. He has also always been on hand when any other school activities needed boosting.



B.S. in Ch.E.

CURT W. C. DIEMICKE
Test of a Vacuum Evaporator.
Born January 30, 1894, at Chicago, Illinois.
Lake View High School, Chicago, '11.
A.Ch.E.S.; Y.M.C.A.; Class Track, '11-'12; Class Baseball, '11-'12.
Curt was unanimously elected as the "goat "of the '15 Chemicals, but has succeeded in completely wearing out his tormentors by his unfailing good nature.

I. YAMAMOTO
Test of a New Evaporator.
Born December 14, 1887, at Wakayama, Japan.
Foreign Language School of Osaka; University High School, Chicago.
A.Ch.E.S.; Y.M.C.A.
Yamamoto had the advantage of attending schools in both Japan and the United States, and they have made a real man out of him. He is a fine student, and in the few years that he has been with us, we have come to respect him a great deal.

B.S. in F.P.E.

STANLEY W. ANDERSON
The Thermal Conductivity of Various Forms of Tile and Their Value as Fireproofing Materials.
Born August 8, 1894, at Chicago, Illinois.
Bowen High School, Chicago, '11.
Phi Kappa Sigma; Glee Club, '12-'15, Ass't. Manager, '14-'15; Junior Quartette; Y.M.C.A.; A.F.P.E.S., Treasurer, '13-'14; Winner Prize Song Contest; Social Committee, '13-'15; Secretary, A.R.A. '14-'15.
Knowing "Andy" as we do, it is safe to predict a brilliant and useful career for him. Dame Rumor has it that there is a "reason" for all of his strenuous efforts, but we are inclined to believe that it is only his natural ability for doing things.

WALTER H. RIETZ
The Design and Application of a Method for Determining the Distribution of Water from Sprinkler Heads.
Born November 13, 1893, at Chicago, Illinois.
Crane High School, Chicago; Lane High School, Chicago, '11.
Delta Tau Delta; Tau Beta Pi; Sphinx Club; Radical X; F.P.E.S. Polemics; Y.M.C.A.; Senior Pin Committee; Ass't. Business Manager, Armour Engineer, '14-'15; 1915 Cycle Staff, Advertising Manager; Fulcrum Representative, '11-'12; Social Committee, '13-'15; President, F.P.E.S., '13-'14, Vice Pres., '13-'14.
Rietz is another "Regular Armour Man" who has taken part in almost every branch of school activity since he has been with us. He is one of the best liked fellows in school and in addition to that, is one of the best students.

L. V. SOMERS
Retaining Power of Wood Screws for Use on Automatic Sprinkler Hangers.
Born May 18, 1890, at Rapid City, South Dakota.
Rapid City High School, '06; Grinnell College, Grinnell, Iowa, '11.
F.P.E.S.; "A" Club; Glee Club; College Track.
Somers has been a member of the class only a part of the four years, but in the time he has been with us, he has been willing to do his share in all the class activities.

B.S. in F.P.E.

THEODORE K. PFAFFLIN
Design and Application of a Method for Determining the Distribution of Water from Sprinkler Heads.
Born September 3, 1893, at Evansville, Indiana.
Calumet High School, Chicago, '11.
Tau Beta Pi; F.P.E.S.;Y.M.C.A., Vice-President, '14.
"Ted" is noted for his congeniality and good nature. He is "some" pianist and is always ready to give a selection. We have no doubt as to his future, as he has always proven to be sincere, honest and straightforward.

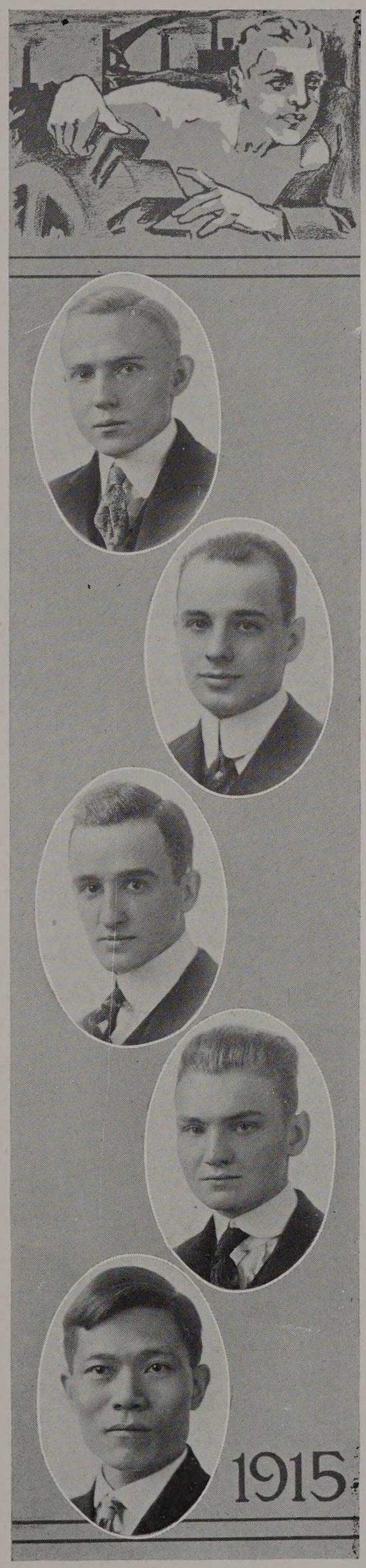
JOSEPH F. CHAMBERLIN
The Thermal Conductivity of Varicus Forms of Tile and Their Value as Fireproofing Materials.
Born September 16, 1890, at Chicago, Illinois.
Howe School, Howe, Indiana, '11.
Delta Tau Delta; Radical X; Y.M.C.A.; F.P.E.S.; Class Treas., '11-'12; Class Baseball, '11-'15;College Baseball, '11-'15; Class Basketball, '11-'13.
Chamberlin is one of the athletes of the class and is a good student as well. He was captain of our baseball and basketball teams in the Freshman year.

EDWARD M. KRATZ
Delta Tau Delta; Radical X; Y.M.C.A.; F.P.E.S.; Class Baseball; Class President, '13-'14; Social Committee, '11-'15; Social Editor 1915 Cycle; Social Editor Fulcrum.
Kratz was one of the most active men in the class, and we regret that he left Armour in his Senior year to graduate from Chicago University. He is a good manager and politician, and we predict that some day he will be mayor of Chicago.

B.S. in A.

E. ALBERT SCHIFFERS
A Parish Church.
Born September 18, 1893, at San Antonio, Texas.
St. Louis College, San Antonio, Texas, '11.
Sigma Kappa Delta; Alpha Delta Tau; Atelier; Radical X; Polemics Glee Club, '13-'15; Massier of Atelier, '14-'15; Class Massier, '13-'14; Social Committee, Atelier, '12-'13.
"Butch" is one of the contingent from the Lone Star state. He is one of the popular men of the architectural department and of the school, and his prospects for success are bright.

Y. HIROSE
A Hotel in Japan.
Born April 4, 1886, at Nagasaki, Japan.
High School, Japan.
Atelier.
Hirose has been with us for four years, and in that time has obtained the honor and respect of the entire class. He is a good student and an accommodating, good-hearted fellow at all times.





B.S. in A.

EARL W. PORTER
A Masonic Temple.
Born October 20, 1888, at Atlantic, Iowa.
Atlantic High School, '07; Simpson College, Indianola, Iowa.
Sigma Kappa Delta; Sphinx Club; Atelier; Polemics; Class Basketball, '12-'15; Managing Editor, Fulcrum, '12-'13; Editor-in-Chief 1915 Cycle; Smoker Committee, '12-'13; Cycle Staff, 1916 Cycle; Class Picture Committee.
"Baldy" is a man who is distinctively individual, and his ability to overcome all obstacles has made a name for him at Armour.

E. FRED SCHREIBER
A City Hall.
Born November 17, 1889, at Hammond, Indiana.
Hammond High School, '08.
Sigma Kappa Delta; Atelier; Purchasing Agent, '14-'15; Polemics.
"Dutch" is the business man of the Atelier, a natural born salesman for Keuffel and Esser, and besides that, is a good designer and one of the best liked men in the class.

ARNE BODHOLDT
A Modern Hotel.
Born April 12, 1892, at Waterloo, Iowa.
East Waterloo High School, '08.
Omega Lambda; Alpha Delta Tau; Atelier; Polemics; Glee club '12-'15; Art Editor 1915 Cycle.
"Bottles," as he is known to the architects, is one of the best designers in the class, and is also an artist of ability. He is made of the stuff that makes good.

ARCHIE B. GRIFFITH
An Athletic Club for a Small City.
Born September 14, 1888, at Evanston, Illinois.
Randolph Macon Academy, Front Royal, Virginia, '00.
Tau Beta Pi; Alpha Delta Tau; Atelier; Nebraska Club; Polemics; Assistant Editor 1915 Cycle; Class Vice-President and President, '11-'12.
"Grif" is noted for his good nature and his willingness to take part in everything that comes up. His frequent trips to Omaha have no effect on the excellence of his school work.

STANLEY MOYER PETERSON
A Small College Group.
Born October 28, 1889, at Boone, Iowa.
Fond du Lac, Wisconsin, High School, '08, Ripon College, Ripon, Wisconsin.
Sigma Kappa Delta; Tau Beta Pi; Alpha Delta Tau; Atelier; Y.M.C.A.; Polemics; Treasurer, Atelier, '14-'15.
"Pete" is one of the hardest workers of the Atelier, as is shown from the fact that he completed his course in three years, and still made Tau Beta Pi.

B.S. in A.



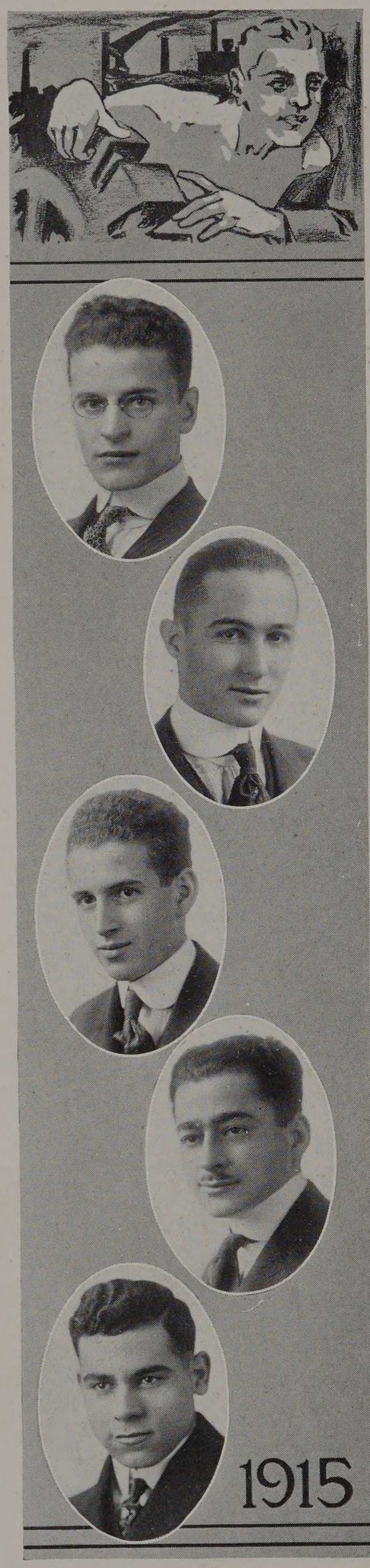
CHARLES P. SCHULZE
A.U.S. Post-office for a City of 150,000.
Born October 31, 1892, at San Antonio, Texas.
St. Mary's College, San Antonio, Texas, '10.
Sigma Kappa Delta; Atelier; Band, '13-'14.
"Texas Bill" is the highest man in the class—in inches—and also ranks high in his studies. He is one of the most popular men in the Atelier, because of his unfailing good nature and generosity.

SIDNEY H. MINCHIN
The Municipal Opera House of Chicago.
Born October 7, 1891, at Berlin, Germany.
Lewis Institute, Chicago, '11.
Atelier.
"Sid," altho born in a warlike nation, is quite the contrary in nature. He started his architectural course at the University of Illinois, but came to Armour to finish his course with the class of '15.

EDWARD DIENHART JOSEPH PIERRE
Civic Plan for Fort Wayne, Indiana.
Born May 22, 1890, at Fort Wayne, Indiana.
Valparaiso, University, '11.
Omega Lambda; Alpha Delta Tau; Atelier; Radical X; President Freshman Class of 1916.
"Ed" is one of the few architects who have had practical work. His pet idea is to rebuild Fort Wayne, and he has the "pep" and ability to do it. Our "Ed" also was the winner of the Home Traveling Scholarship.

IVAR R. SWANSON
A Schoolhouse.
Born September 7, 1892, at Chicago, Illinois.
University of Illinois Academy, '11.
Phi Kappa Sigma; Atelier; Radical X; Manager Architects Baseball Team; Social Representative, Atelier, '14-'15.
"Swede" is one of those fellows who are always ready for a good time, and can get better grades without study than any one else. He is always just the same wherever you may meet him, and is one of the best-liked fellows in the Architectural department.

ANDREW GORDON STARK
A Lord Roberts Memorial.
Born June 20, 1887, at Peterboro, Ontario, Canada.
Cutler Academy, Colorado Springs, Colorado, '11.
Atelier; Y.M.C.A.; Representative on A.R.A., '12-'13; 1915 Cycle Staff; Winner of Northwestern Terra Cotta Competition, '12-'13.
Stark deserves a great deal of credit, for he has worked his way through Armour, and at the same time done good work in all his studies. He is one of the chief debators in the Senior Architects room.



B.S. in A.

LEO S. HIRSHFIELD
An Architectural Club.
Born September 26, 1882 at Chicago, Illinois.
Crane Technical High School, Chcago, '11.
Atelier; College Track, '13-'15; Athletic Representative of Atelier.
"Hirsh" left us for a year to attend the University of Illinois, but returned to graduate with the class of '15, in a real school. He puts in his spare time taking civil service examinations.

FRED H. WAGNER
An Automobile Club.
Born July 10, 1892, at San Antonio, Texas.
St. Louis College, San Antonio, Texas,'11.
Phi Kappa Sigma; Atelier; Radical X; Glee Club, '13-'14; Junior Play; Architects Baseball Team.
"Fritz" is another of those shining lights from the Lone Star State. He was the "Beau Brummel" of the Junior Play of '15, and aside from that, is a good fellow.

HOWARD G. ARCUS
A Summer Hotel in Southern California.
Born May 23, 1894, at Chicago, Illinois.
Calumet High School, Chicago, '11.
Atelier; Architects Baseball Team.
"Tilly," an offspring of Beverly Hills, is the dark horse of the Architects class. He has a habit of doing a drawing on the last day that will carry off a mention. He is also an authority on moving pictures and the stars thereof.

MAURICE B. RISSMAN
A School of Architecture in Connection with an Art Gallery.
Born November 1, 1893, at New York City, New York.
Crane Technical High School, Chicago, '10.
Atelier; Architects Play.
"Riss" is the originator of that famous "baseball" third eyebrow. He is always ambitious and full of "pep," and one for whom the Architects of '15 have the highest regard and respect.

LOUIS LURVEY
A Sanitarium in Southern California.
Born October 1, 1893, at Chicago, Illinois.
Crane Technical High School, Chicago '11.
Atelier.
Lurvey works longer hours than anyone else in the class. He is always the first one at the drafting room in the morning and the last one to leave at night.

B.S. in A.

STANLEY WOLFRUM
A Combination Grammar and High School for a Small Town.
Born August 29, 1888, at Chicago, Illinois.
Crane Technical High School, Chicago, '08.
Atelier.
Wolfrum was out of school for several years, but finally came back and will graduate with the class of 1915. He is one of the hard workers of the constructionists.

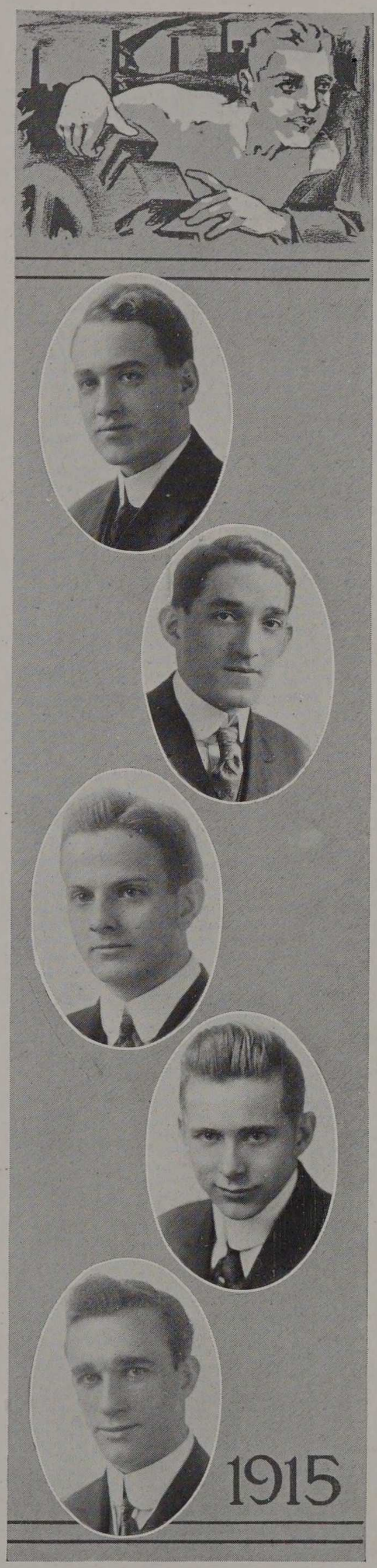
JACOB LEWIS
A Trades Union Building.
Born November 5, 1892, at Chicago, Illinois.
Wendell Phillips High School, Chicago, '11.
Atelier; Treasurer, '14-'15.
"Jake" is an all-round man—golf player, moving picture machine operator, clothing salesman, and draftsman, and a good fellow besides. He has had his troubles all at once as treasurer of the Atelier.

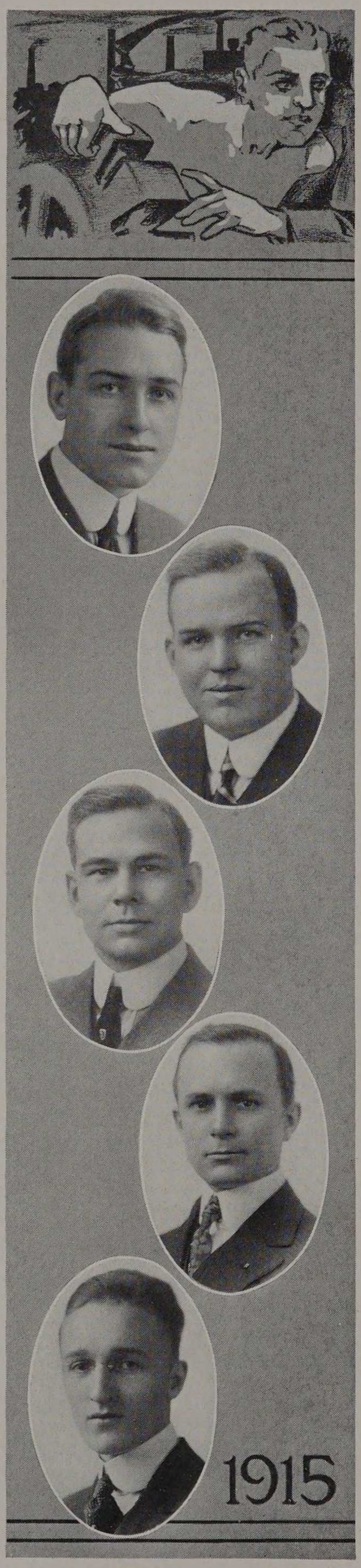
B.S. in I.A.

BRADLEY SAYRE CARR
Thesis—Teaching Experience.
Born April 28, 1890, at Chicago, Illinios.
Lane High School, Chicago, '09.
Sigma Kappa Delta; Tau Beta Pi, Sphinx Club; Managing Editor, Armour Engineer, '14-'15.
To obtain one's degree after several years of night studying and one year of day school work, places "Brad" at the front of the "get ahead" list. In addition to that, he is a fine fellow and well liked at Armour.

SEYMOUR E. B. HOLMAN
Thesis—Teaching Experience.
Born May 23, 1888, at Chicago, Illinois.
Crane High School, Chicago, '06; Chicago Teachers College, '08.
Holman is another of those who have had good experience in teaching and is rounding out his education by taking a course at Armour. He is at present an Instructor in the Tuley High School.

EMIL W. PFEIL
Thesis—Teaching Experience.
Born April 11, 1889, at DeLand, Florida.
Lane High School, Chicago, '09; Chicago Normal College, '11.
Pfeil is at present an instructor in the Franklin Vocational School, while attending school at Armour.





B.S. in I.A.

GUY F. WETZEL
Thesis—Teaching Experience.
Born November 13, 1890, at Chicago, Illinois.
Lane High School, Chicago, '09; Chicago Teachers' College, '11.
Sigma Kappa Delta; A.S.M.E.
Wetzel is one of the few who have obtained practical experience along with the technical education he has secured at Armour. With such an array of fighting material, he is bound to succeed.

EDWIN S. YOUNGBERG
Thesis—Teaching Experience.
Born June 27, 1886, at Chicago, Illinois,
Crane High School, Chicago, '05; Chicago Teachers' College, '07.
Youngberg was the winner of the Crane Scholarship at high school, and since then has had valuable experience in teaching in various high schools of Chicago.

EDWARD T. TAYLOR
Thesis—Teaching Experience.
Born June 12, 1872, at Millburn, Illinois.
Beloit Academy, '92; Northern Indiana Normal College, '94.
Taylor is at present an instructor at Lane Technical High School, and several of the Armourites have taken manual training under "Prof." Taylor in the past.

E. PRICE
Thesis—Teaching Experience
Born January 8, 1880, at Galion, Ohio.
South Chicago High School, '98; Chicago Normal, '99.
Price has at various times taught in all grades of the Chicago schools and is at present an instructor in joinery, pattern and cabinet work at Bowen High School.

B.S. in C.E.

VICTOR E. JOHNSON
Design of a Modern Coal Yard of Concrete Construction.
Born May 15, 1893, at Chicago, Illinois.
Englewood High School, Chicago, 1910.
Y.M.C.A.
Quite a persistent chap is "Victor" and one who attends strickly to his work. This persistency combined with a neat sense of humor will distinguish him in the future and we expect to see him as a most successful engineer.









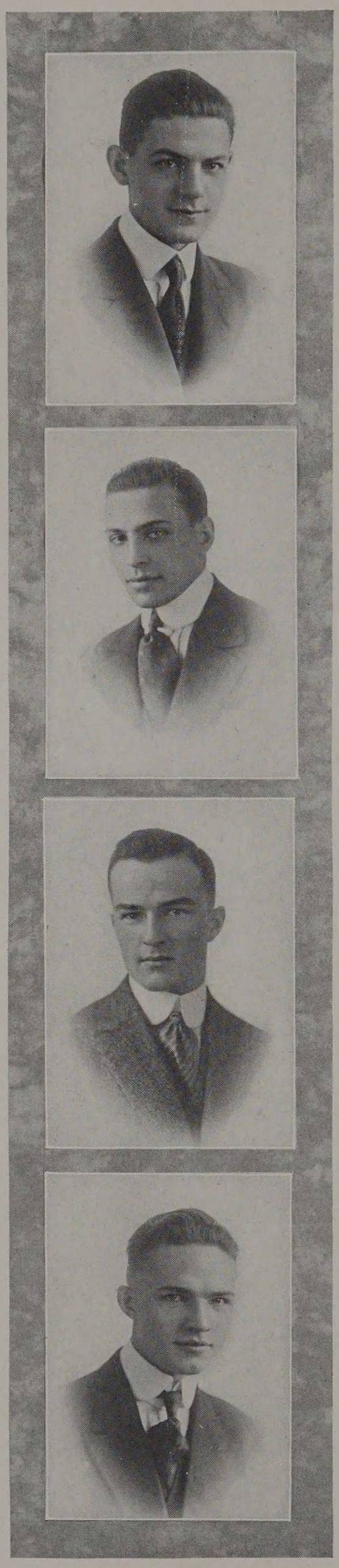












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Vice-President
Arthur Katzinger

Secretary
James F. Hillock

Treasurer
John M. Byanskas

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Junior Week

1st Marshall
J. E. Sullivan

2nd Marshall
V. E. Marx

social

E. Echlin, *Chairman*
H. L. Wallbrecht
M. L. Wilcox
A. S. Alter
S. Sosna

Board of Athletic Control Representative
A. S. Katzinger

Junior Class History

History relates that back in the bright crisp days of September 1912 "the class" was born. That our path to the *Land* of the *Diploma* would not be a rosy one was early predicted by the despised Sophs of '15, and the snares and pit-falls laid by agents of the Fulcrum, Cycle, and the Y.M. made the Sophs' prediction loom up large. But, even then, our secret egotism told us that we were better than anything that Armour had ever seen; pride surged in our breasts; and the babbling gossip of the air was early perfumed with our precocious titterings, laudatory of the famous and to be more famous Nineteen-Sixteen.

In a spicy contest and by prearrangement with the Architects, "Ed" Pierre, now incorporated in the ranks of the Seniors, was chosen to lead us through our infant days. To see our beautiful '16 in the concrete was our first hope and desire, and it was not long before, well suffice to say that our first eventful scene led straight to an early conquest (also over fences and gates) and we succeeded in erasing any stigma the sophomoric superstition attached to our own '16. Our aggregation of athletic stars captured second places in the baseball, track, and basket-ball series and showed that they were "comers". Coach John saw many a welcome face for the varsity teams, and we see the class well represented in the athletic Sports. Our dance was the most gorgeous and grandest dance ever given by an Armour class, and although it gorgeously clipped some odd $$ from the treasury, we agree with the fickle Goddess of Fussdom—"It was just simply wonderful". Being freshmen, our capacity for attending fraternity smokers was taxed and "the class" mixed pretty well. Some studied. Bading a freshman banquet farewell and dressing up in a nobby English suit, we tangoed back as Sophomores.

"Sully" Sullivan was our next leader and lead us he did. Our basket-ball and track teams looked good from the start, and bore out our hope by winning the class championships. "Sully," "Art" Alter, "Art" Katzinger, "Long John" Broman won their "A" emblems. Our sophomoric advancement carried with it a broadening out into other fields. "Mac" McHugh was appointed managing editor of the Fulcrum, C. Lawrence Bolte ably led the Mandolin Club, and the Glee Club saw us with no small representation. "Art" Katzinger was secretary of the Board of Athletic Control, and Sullivan and Katzinger were elected to captain the varsity track and basketball teams.

Our Junior year sees us among the bright lights as every true and naughty Junior should. The Hon. "General"Grasse was selected to light the new mantle of upperclassmanship and we began to make things hum. Our Social Committee worked with a vengeance and gave us two wonderful dances at which to perfect the Fox Trot, etc. Through the efforts of Katzinger, members of the winning class teams were presented with bronze fobs. Thus spurred on, "the Class" captured the basket-ball and baseball championships, and were nosed out by one point, in the track meet. The Tech basket-ball team saw new faces, in addition to Sullivan, Katzinger, and Wilcox, in the persons of Abrams, Broman, and the irrepressible "Rabbit" Mouat. The Cycle, the Fulcrum, the Mandolin Club, and the Rooters' Association have been successfully managed by certain members of "the Class," and with this, in line with our other achievements, we have so developed ourselves that upon our return next year, the cloak of imposing Seniorism will fit perfectly.

Class of Nineteen Hundred Sixteen

Students in Mechanical Engineering

Alter, Arthur S.
Armacost, Wilber
Broman, John G.
Byanskas, John M.
Echlin, Ellis S.
Homan, Lintner
Hill, Claude
Katzinger, Arthur
Luckow, Lincoln
Mouat, Harry G.
Miller, Joseph
Pimstein, Sidney
Siebenaler, George
Willett, James

Students in Electrical Engineering

Abrams, Samuel N.
Alender, Walter
Bland, Henry
Enzler, Leroy J.
Goe, G. M.
Hupp, Vernon E.
Katz, Harry S.
Kinnally, R. W.
Lanning, Hazen B.
Oswald, Arthur A.
Ott, Konrad Louis
Pond, F. L.
Prochazka, Rudolph
Renaud, W.
Robbins ,C. E.
Smith, B. M.
Shapiro, Hyman
Wengel, Arthur M.

Students in Civil Engineering

Armstrong, F. C.
Cooney, James G.
Dolan, Joseph C.
Edelstein, Erwin
Foy, Edgar A.
Hahn, Herbert
Hemple, Henry
Kucera, Charles J.
McHugh, Lawrence J.
O'Grady, Omar G.
Rook, H. A.
Simpson, Herman N.
Sosna, Samuel F.
Sostheim, Benno B.
Sullivan, Joseph E.
Wermuth, Alfred C.

Students in Chemical Engineering

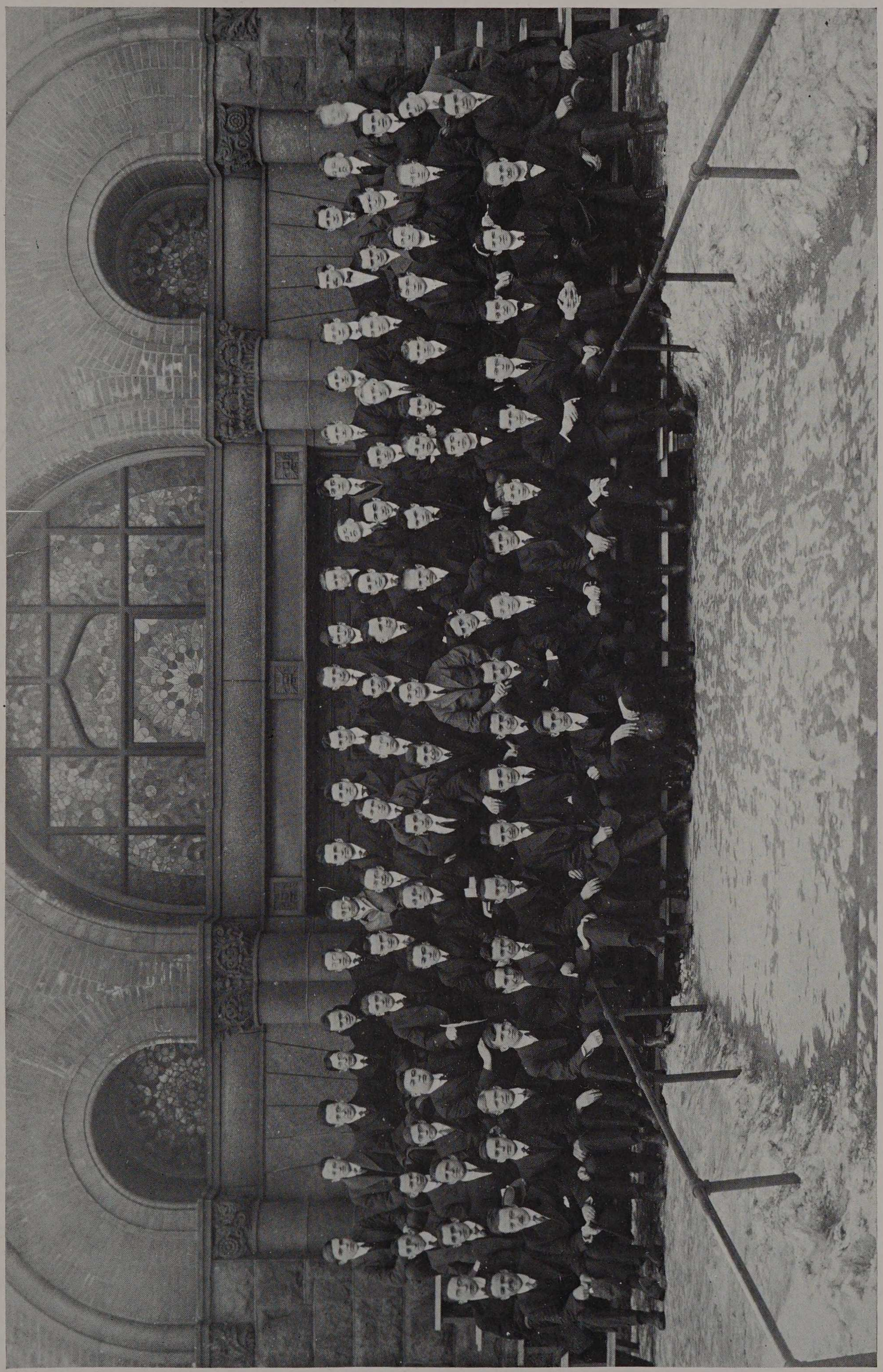
Boand, Jules F.
Bolte, C. L.
Butterman, Samuel
Durant, Richard F.
Dougherty, Gerald T.
Isenberg, Nathan
Kendall, Sidney W.
Luckow, William
Marx, V. E.
Perlstein, George B.

Students in Fire Protection Engineering

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

Students in Architecture

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

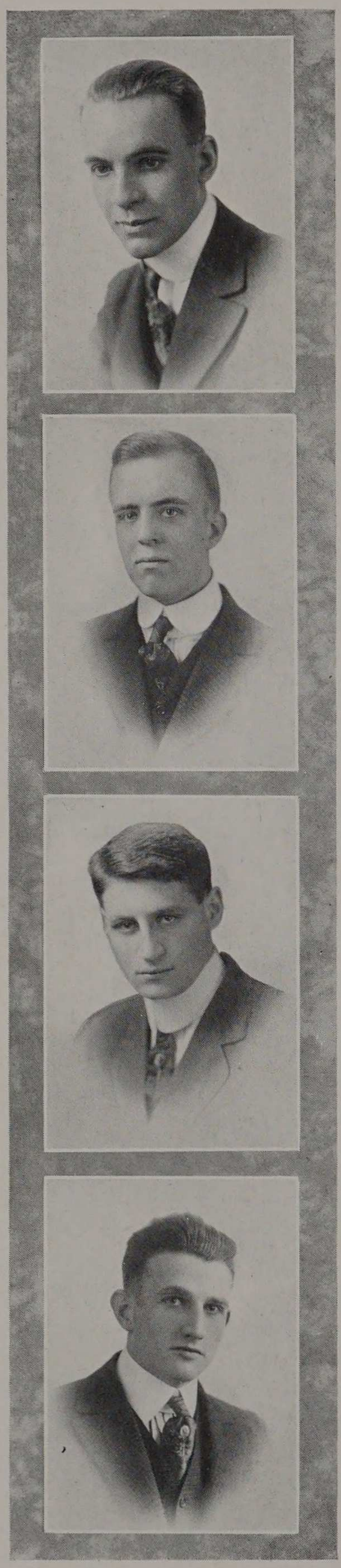









A
Zook



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C. DRYDEN
H. INGRAHAM

LITERARY

R. WATT, *Cycle*
W. TRONVIG, *Fulcrum*

Board of Athletic Control Representative
LAWRENCE A. KING

CLASS YELL

Ki-yi, ki-yi
Ki yippidy yippidy yi
Bomeracker, bomeracker
Zis-boom-bah
Seventeen-Rah.

Sophomore Class History

Although somewhat depleted in numbers, the class of 1917 returned to Armour Institute September 8, 1914 to continue their memorable career. They threw off the cognomen, now repulsive to their ears, of "Freshmen" and donned the much more imposing title of "Sophomores," won by a year's earnest endeavor. Early in the year, the Sophomores got together and chose their officers for the year. There were two candidates for president, W. Wollaston and H. Ingraham. Wollaston was elected on the first ballot. E. P. Strandberg was the successful candidate for vice-president. E. A. Zack was re-elected secretary and L. E. Hayes won the election for treasurer. A second meeting was necessary to elect the social committee for the first election disclosed several "stuffed" ballots. In the second election, G. L. Andre, our last years' president was elected Chairman of the social committee. The other members were: A. N. Dryden, L. R. Starkel, H. G. Ingraham, and R. L. Paskill. T. P. Strauch was elected cheer leader and G. W. Cloidt member of the freshman smoker committee.

The "Sophs" soon had their attention called to the impudence of the freshmen who attempted to beautify A.I.T. with some crudely painted 18's. The Sophomores decided that something must be done to curb the boldness of these unsophisticated "frosh" but they patiently waited until the night of the Freshman Smoker, November 20. Then they spirited away the two leaders of the freshman band and made them appear at the smoker, the "Sophs" administered a further setback to the brazenness of their rivals.

Her duty to the "frosh" accomplished, the wearers of the "17" returned to struggle with their Physics and "Math". Some devoted their energy in other lines. On the Fulcrum there are Paskill, Ingraham, and Tronvig. In the field of athletics, "17" eclipses them all. The "Sophs" began to show their athletic prowess early in the year. At the Freshman Handshake, September 18, the "Sophs" swamped the freshmen in a basket ball game by the score of 10 to 0. Then they took on the seniors, who had defeated the juniors and cleaned them up 4 to 0. Again, in the interclass track meet, October 30, the Sophomores showed up the other classes, winning out with a total of 50 points. Tierney and King were the two individual stars. Tierney won the 100 yard dash, the 220 yard dash and the 440 yard run. King won the 100 yard high hurdles and the 220 yard low hurdles. Marvin won the high jump and Williams the half mile. The other point winners were Morse and Schreiber. Last year "17" boasted of three men on the varsity base-ball team. All three, Paskill, Bruce and Hall, are with us again this year. In interclass basketball the "Sophs" were represented by Stafford, Pomeroy, King, Ingraham, Paskill and Shriner. "17" can also boast of the school golf champion, Maguire.

An important sophomore class meeting was held Monday, January 11, 1915, at which a class dance was discussed. Last year "17" gave such an elaborate dance that many hesitated about giving another this year. But so many pledged themselves to go to the dance this year that the most skeptical admitted that we should make it a success. The social committee has secured the Colonial Club for Feb. 26 and indications are that it will be one of the best attended dances this year. At any rate there is the true "17" spirit back of it, a spirit that will make "17" one of the most memorable classes at A. I. T.

Class of Nineteen Hundred Seventeen

Students in Mechanical Engineering

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

Students in Electrical Engineering

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

Students in Civil Engineering

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

Students in Chemical Engineering

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

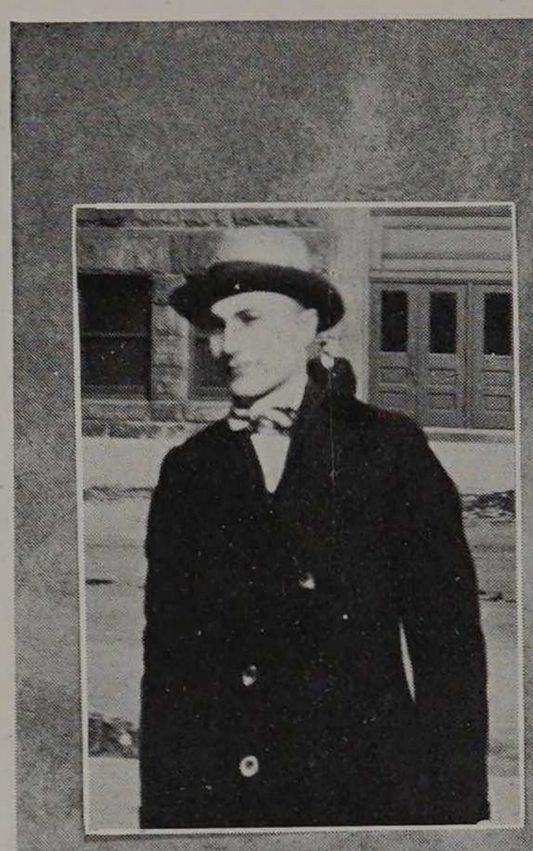
Students in Fire Protection Engineering

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

Students in Architecture

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













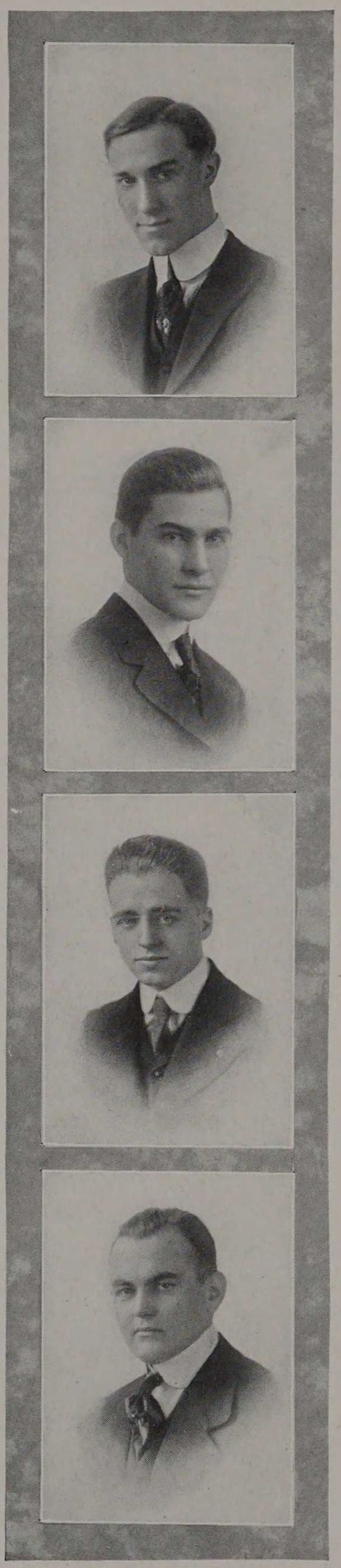









TO FRESHIES
LOOK!
1918
P A
TOB



Freshmen Officers

President
E. Beaumont

Vice-President
W. H. Bretting

Secretary
S. L. Evans

Treasurer
B. P. Royce

COMMITTEES

Constitutional

S. D. Nothelfer, *Chairman*

A. H. Brown
F. J. Quinn
A. R. Crist
F. R. Kingsley

Social

H. Wilson, *Chairman*

E. F. Quinn
H. H. Shotwell
W. H. Bretting
W. J. Wignall

Freshmen Class History

It was a clear September morning; to be exact, it was Tuesday, September the eighth, nineteen fourteen, when the sleepy inhabitants of the neighborhood were reminded by the stream of youths who passed their doors that this was the day set for the commencement of another year's college work at Armour. It was on this memorable day the Freshmen of the "Class of '18" enrolled, and prepared for four years of activity here as a preliminary to their becoming shining lights in the engineering world.

The boys settled down to work very quickly, and after two weeks had passed we were ready to organize. Accordingly, we did not wait for an upper class to start us, as did the classes before us, but Nothelfer, one of our own number, arranged for the meeting. On September twenty-second the class of '18 came together for the first time, and elected for its officers; Beaumont, President; Bretting, Vice-President; Evans, Secretary, and Royce, Treasurer. Committees were appointed at once; the class colors, purple and gold, were selected at the meeting the following week; and class affairs were shortly well under way.

A few days later we were privileged to hear the opening address of the school year by President Gunsaulus. He warned us of the ease with which we might become a successful failure, and told us so forcibly of the tendencies which lead to that result that only the most heedless can drift in the wrong direction.

The first social event was the Y. M. C. A. Handshake, at which the Armourites were well entertained. All the privileges of the Hyde Park Department, the scene of the handshake, were extended, and we Freshmen could not help but feel at home.

Soon after this, a self-appointed committee of Freshman Decorators executed their first job, and it was a masterpiece. (Ask any Soph.) Even such an authority as Professor Reid declared the lettering on the girder to be perfect, and offered a grade of "A" to the artist, but the latter, it seems, was too bashful to claim his reward. Wilson, of the Social Committee, called his band together, and they decided that the Freshmen would keep the social ball rolling. Arrangements were accordingly made for the Freshman Mixer, the first dance of the year, which was held at the Oakland Music Hall on November sixth. The purpose of the dance was to bring the Freshmen into closer contact with each other, and in this it was decidedly successful. There were many rumors afloat as to what some mysterious individuals would do on this occasion, and although these individuals were seen in the streets surrounding the hall, and one was so careless as to be caught in the act of smuggling in a hydrogen sulphide generator in his vest pocket, affairs went off as per schedule with no interruptions.

The Freshman Smoker was staged next, and here, too, there was an abundance of rumors as to what a certain clan would do; but now, as before, these came to naught. The Soph(ists), even Dr. Scherger has no use for them, behaved very nicely; their only misdemeanor was the kidnapping episode.

The Freshmen showed themselves to be the coming Regular Armour Men by their turnout for Tech Night. Nearly all of the Freshmen were there to enjoy the good program that was offered, and we helped add to it with the Armour cheers.

We are in good practice with those yells, too, ready for the spring athletic work. Our Freshmen athletes are only just beginning to come to the front. Our boys let the baseball and track laurels slip away before they began to show their worth. In basketball we trimmed the Sophs, and played the final with the Juniors, who supply three members of the regular team. Although we have two stars in Sandroff and Cooper, and other good material, the Juniors managed to annex the inter-class title. The two men mentioned, however, are working with the varsity, and they never fail to make a good showing.

Class of Nineteen Hundred Eighteen

Students in Mechanical Engineering

Aitchison, P.
Beaumont, E.
Bretting, H. W.
Ellis, C. G.
Guslafson, H.
McFarlane, H.
Marks, R. E.
Olson, H. O.
Powlowski, W. S.
Royce, B. P.
Gasche, R. T.
Russel, P. N. B.
Rykert, G. L.
Schriver, B. H.
Taylor, K. A.
Thom, G. W.
Windesheim, P. A.

Students in Electrical Engineering

Anthony, R.
Barr, E.
Bigelow, O. M.
Brown, A. H.
Busch, I. B.
Cooper, E. C.
Dayton, D. C.
Davison, F. M.
Erickson, R.
Estell, L. W.
Ferguson, A. H.
Forbes, J. E.
Forney, R.
Geldmeier, H. F.
Goldstein, J. N.
Hammer, G. O.
Hullinger, M.
Hunt, J. J.
Herman, M. D.
Jackson, R.
Kubaugh, K. D.
Lau, T.
Liu, A. S.
Mathews, A. H. G.
Maynard, A.
Moore, E. A.
Newlander, S. W.
Rice, A. J.
Schreiber, H.
Shotwell, H. H.
Stevers, H. D.
Scheuer, E.
Tripp, J.
Veremis, M.
Vodges, F. B.
Weston, W. H.
Yedor, S.
Zimbelman, F. A.

Students in Civil Engineering

Anderson, G. E.
Bereman, C.
Brown, J. H.
Busch, L. C.
Ensminger, M. L.
Eisenberg, D. B.
Nitka, J.
Nothelfer, S. D.
Schwartz, F. H.
Senescall, C.
Shaw, C. L.
Wignall, W. J.
Willet, C. J.
Wilson, C. E.
Weiss, L.

Students in Chemical Engineering

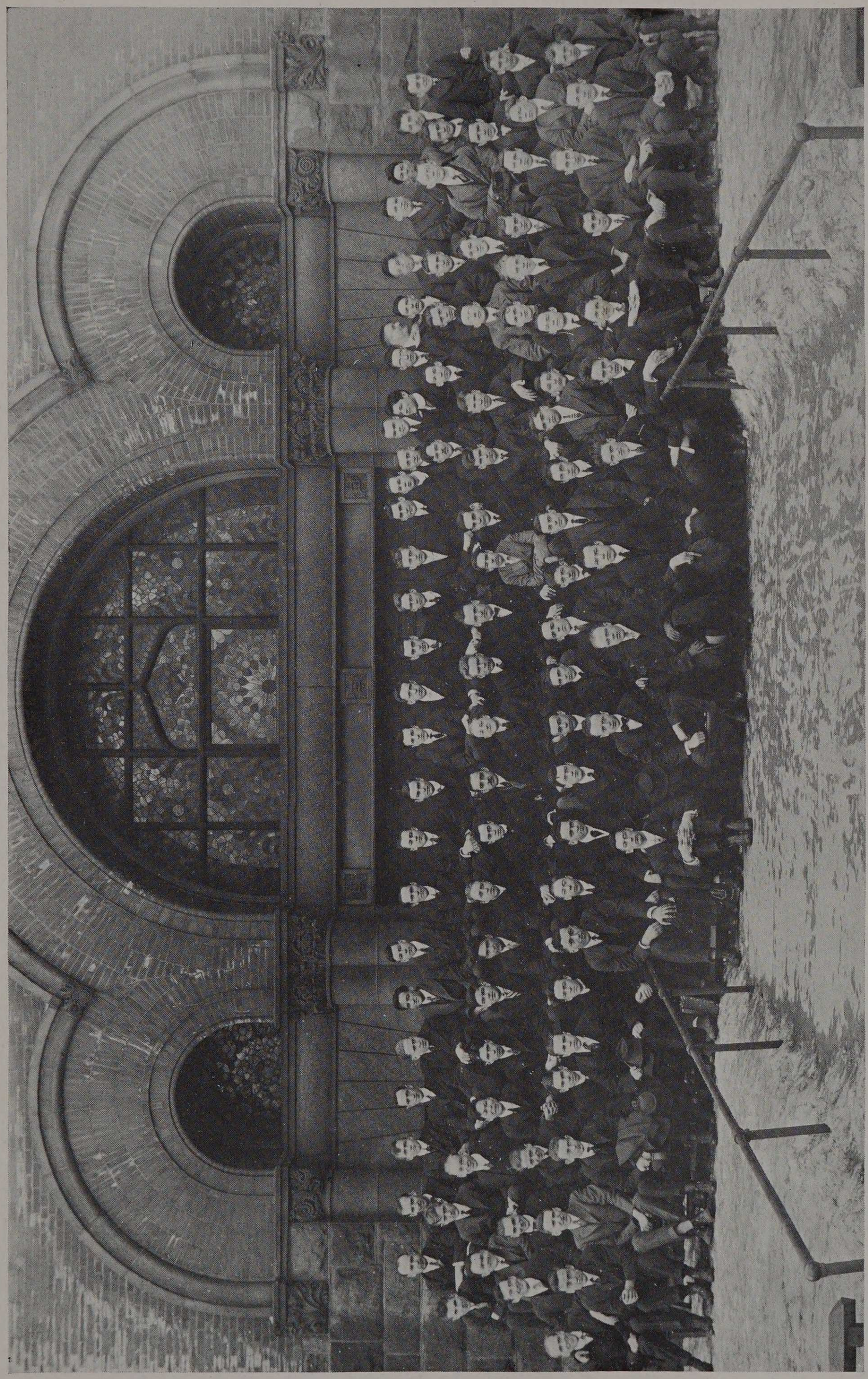
Dean, R. L.
Dittlinger, B.
Flower, J. M.
Finkl, W.
Finklestein, V.
Goldsmith, H. J.
Johnson, F. R.
Kelly, B. J.
Kerner, W. R.
Klemm, H. F.
Koehler, W.W.
Lewis, J. R.
McClung, E.
Ward, R. R.

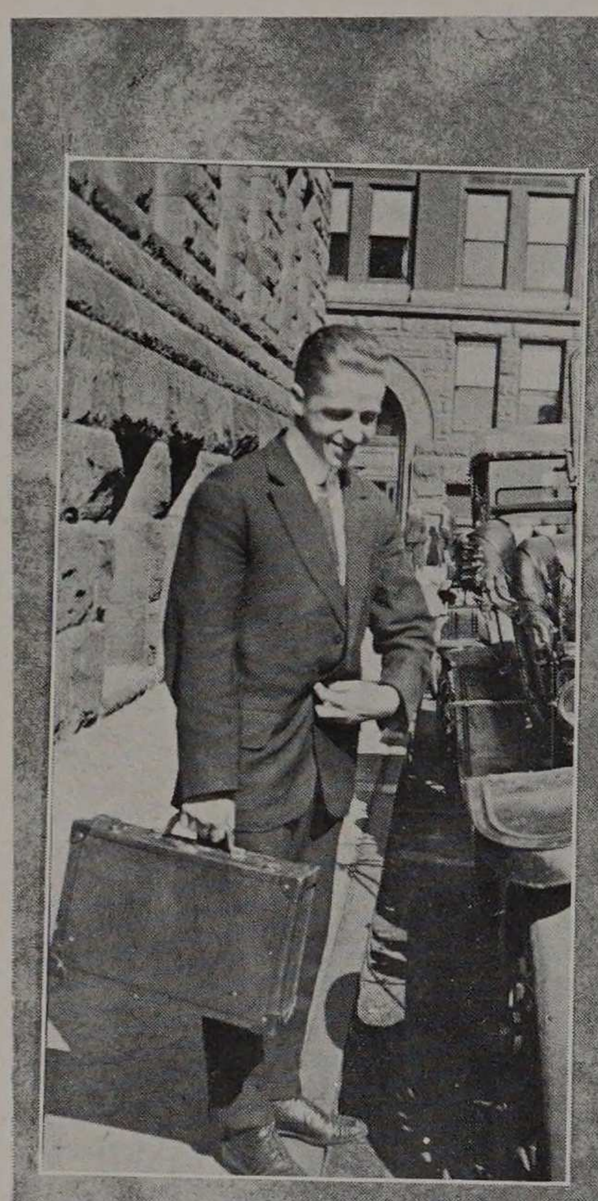
Students in Fire Protection Engineering

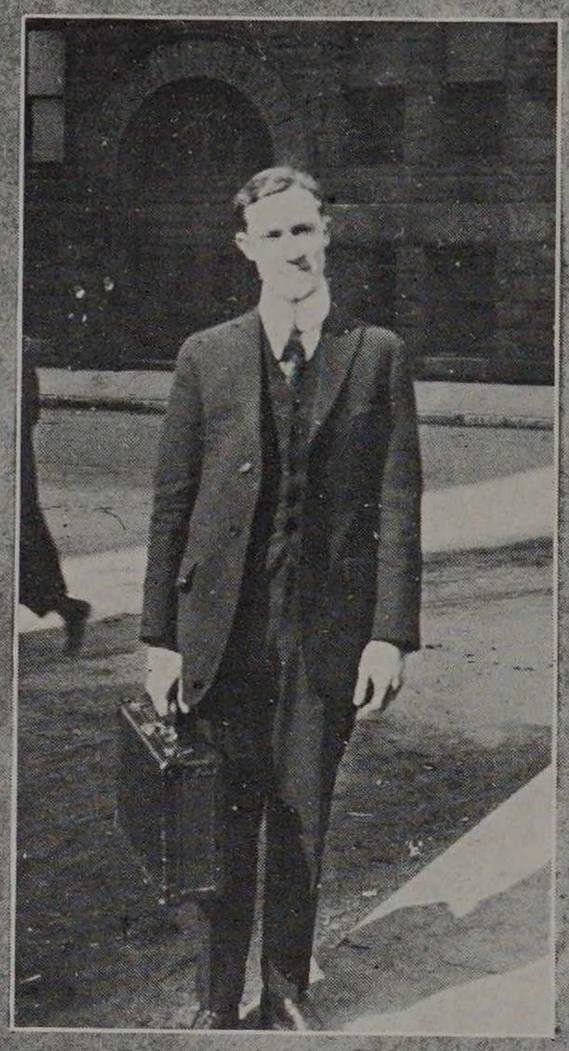
Cole, E. R.
Crist, A. R.
Evans, S. L.
Hahn, H.
Heath, S. G.
Houseman, R. B.
Kuttnauer, L. V.
Mann, R. M.
Marx, F. E.
Morrison, J. W.
Puschell, H. W.
Sabiston, K. M.
Sandroff, W. M.
Schrupp, O. G.

Students in Architecture

Belmont, H. L.
Boltz, F. A.
Bultman, W.
Bemen, R. J.
Chamberlain, V. K.
Cohen, C. J.
Chappell, R. A.
Davidson, M.
Eifrig, E. R. G.
Eller, W. C.
Florman, B.
Fries, F.
Glube, H.
Grammas, P.
Hachnea, R. J.
Hanes, N. B.
Hamden, H. B
Harris, A. B.
Klajda, E. F.
Kleine, W. G.
Kuehn, W. K.
Larson, E. O.
MacEldowney, H. B.
Morse, H. L.
O'Neill, T. J.
Pareira, D. A.
Pearson, F. O.
Quinn, E. F.
Raymond, W. A.
Sosna, I. N.
Stevens, W. H.
Twery, L. E.
Warren, W. W.
Wilson, H. C.
Wright, W. C.



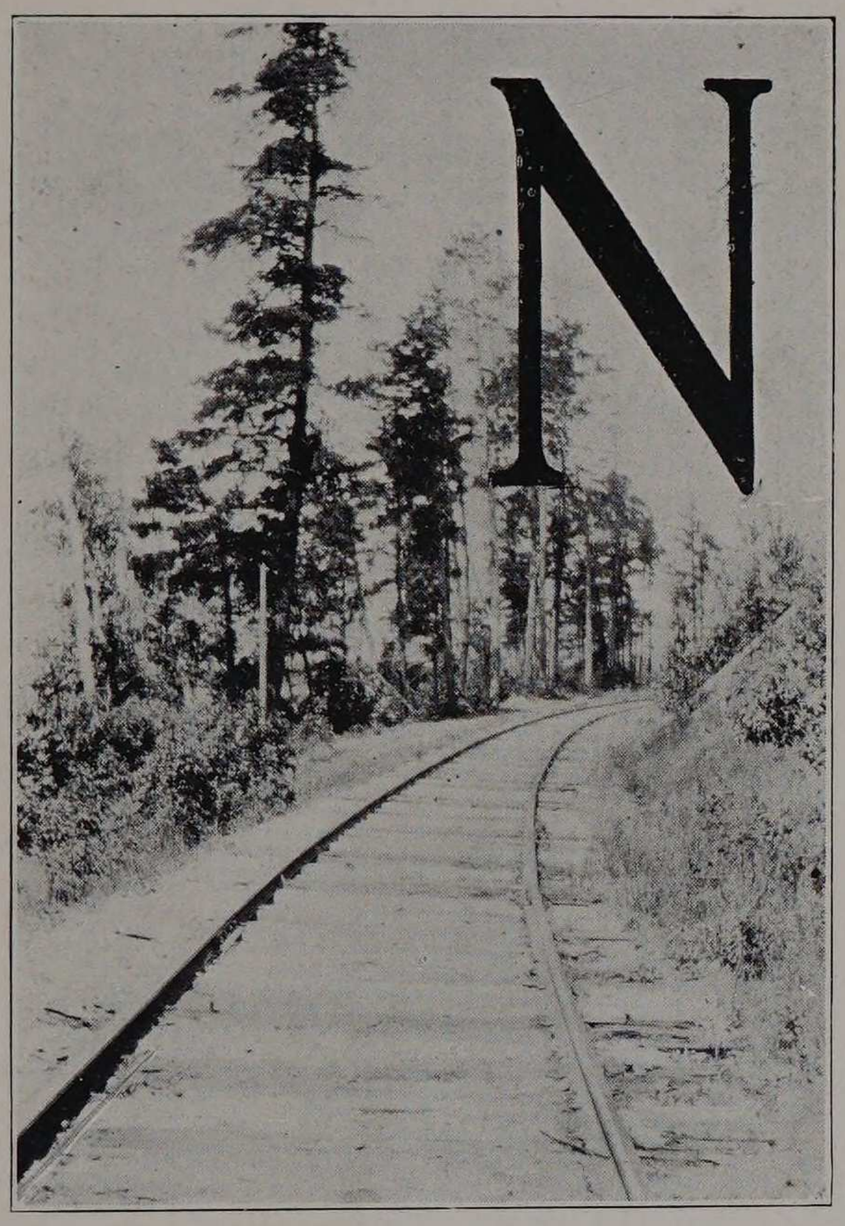






FRESHMAN '18

With the Civils Camp, 1914



O doubt the usual way to start a write-up of this kind is to start in with a happy bunch, but this story will start with a gloomy crowd. What you ask, a gloomy crowd starting out for Summer Camp? Yes, that was the fact. The cause was simply a delay in starting. You see, in moving some of last year's camp paraphernalia from Tomahawk Lake to Trout Lake, the train had to travel over approximately one-half of the United States to cover a distance of less than fifteen miles. At any rate when "Pa" Phillips announced to an expectant young bunch of prospective surveyors that the trip would have to be delayed for a couple of days, gloom reigned supreme.

By Monday morning, June 28th, however, the crowd which gathered at the Union Depot, consisted of a mob of grinning, happy faces, with a lot of pep and "ambish," which even the sandwiches at Milwaukee and the long, dreary wait at New Albin could not destroy.

The following day, we reached Minocqua, Wisconsin and were it not for the young lady in the Post-Office, we would, doubtless, have left the town, uneventfully. As it was, the sight of the aforementioned rather good-looking young lady, was sufficient to cause certain of our "lady-killers" to lag behind and it needed some tall hustling to make the train again.

The cheery "All out for Trout Lake" was a pleasant interruption to our happy anticipations and then Mr. Penn's announcement that dinner was all ready and set, capped the climax of joy. Immediately after dinner, tents were put up, tent-mates chosen and the place was hurriedly given the "o.o."

The same day while we were at supper we were invited to play baseball with the nearby Rangers and the invitation was thoughtlessly accepted. Under the "able" leadership of "General" Sherman the game was a hopeless rout. Armour, due to lack of sleep could not score, but the Rangers attended to that minor detail of the game and after the second inning the umpire's register broke down on account of being over-taxed. The following day we played the Rangers a return game and this





some locket, which was purchased of Mr. Penn and the boys at camp.

time, owing to re-inforcements in the way of sleep and grub did better and scored two runs, the Rangers slightly exceeded this by getting 21 over the home-tree stump. After a few days the camp settled down to a fairly routine life, consisting, principally, of three meals per day, eight hours of so-called "work," and generally a ball game with the Rangers after supper. These ball games developed some of the pitching talent that was more or less dormant at Armour. Among the batteries upholding the camp's honor were "Heine" Rook, "Texas" Kiene, Duffy, and "Rusty" Bowen (Pure as Ivory Soap), as pitchers and "Schreib" and "Looseye" as Catchers.

About the nearest place of amusement was Whitebeck's Resort. Here the fellows generally rowed over on a Saturday or Sunday and their amusement generally consisted of purchasing candy or trying to win it by means of a game. Later in the Summer, however, Whitbeck developed some surprisingly pretty girls and with the aid of these quite a successful dance was held at the resort. This was followed by more select dances later on and only some of our budding engineers were honored with invitations.

During our stay, "Pa" Phillips celebrated his birthday and was presented with a hand- by our librarian, Mrs. Beveridge with the aid

Quite a successful snipe hunt was held and although "Charlie" Brittan reported that he was unable to catch any snipe, yet he was satisfied, for as he triumphantly remarked, the following day at dinner, "It took fifteen of us to catch one."

Towards the end of our stay at camp a successful siege was made on "Knobby Palace," situated on Knobby Heights, resulting in a partial demolishing of the "Palace" and the capture of "General" Sherman, who fainted away during the battle and was revived by a couple of pails of Trout Lake, administered by the too willing hands of a few Freshmen. What was done with the prisoner remains up to this day, an unsolvable mystery, as both he and the victors refuse to tell.



The weather, with a few exceptions, was delightful in the day-time although rather cool during the nights. During the few rainy days we stayed in and either made instrument adjustments, figured D. M. D.'s or wrote books. Some of the evenings were too chilly to play baseball and under the guidance of Cook Davis, some dandy camp fires were built. Everybody sat or lounged around and 'twas on these occasions that Doc "Yak" otherwise known as Cook Davis, would

be in his glory. He was a fine cook, however, and if the 1915 camp will also have him, the bunch will have a treat in store for them.

Carr, Bradley and "Texas" Kiene, were employed in building for the 1915 camp and when they left this Summer, they had put up the Boat-house, Ice-house and had made good headway on the rest of houses.

The tents and their occupants were as follows:

"Eiffel Inn":—"Charlie" Kucera, card wizard assisted by "Ray" Kinnaly; "Fat" Brower, whose yodelling inspired in (Pure-as-Ivory) "Rusty" a desire to fight with battle axes; Erwin Edelstein and "Heine" Hemple, who was observed to sing and laugh on at least two different occasions.

"Knobby Palace":—(Pure-as-Ivory) "Rusty" Bowen; "Sos" Sosna; "Bill" Mundt, the bearded lady, and last but not least "General" Sherman, whose famous charge against the attacking party of "Knobby Palace" included articles of value belonging to his unfortunate tentmates, not to him, due to his being intrenched under everybody's trunk but his own.

"Marble Hall":—"Charlie" Brittan of snipe-hunt fame; "Doc" Edlund who doctored fillums; "Schreib" Schreiber, whose claim to fame is due to his birth in California; and "Looseye" Goldberg, who is some reliable little boy behind the batter.

"Yakee Bissel Lodge":—"Stew" Miller, "Mac" McCausland, "Buck" Newman and "Len" Starkel.

"Lake-View Inn":—Roberts; Duffy, of baseball fame; Sproesser, the handsome boy; Carr, and Wetzel.

"Seldom Inn":—"Hank" Rook; "Texas" Kiene, and Claude Knuepfer.

Most Handsome Fellow	George Sproesser
Possessor of the best mustache	Chas. W. Brittan
Possessor of the best beard	"Bill" Mundt
Best Spanish Athlete	"General" Sherman
Wisest Guy in camp	"General Sherman"
Biggest "fusser"	"Claude" Knuepfer
Biggest pest	"General" Sherman



ORGANIZATIONS

















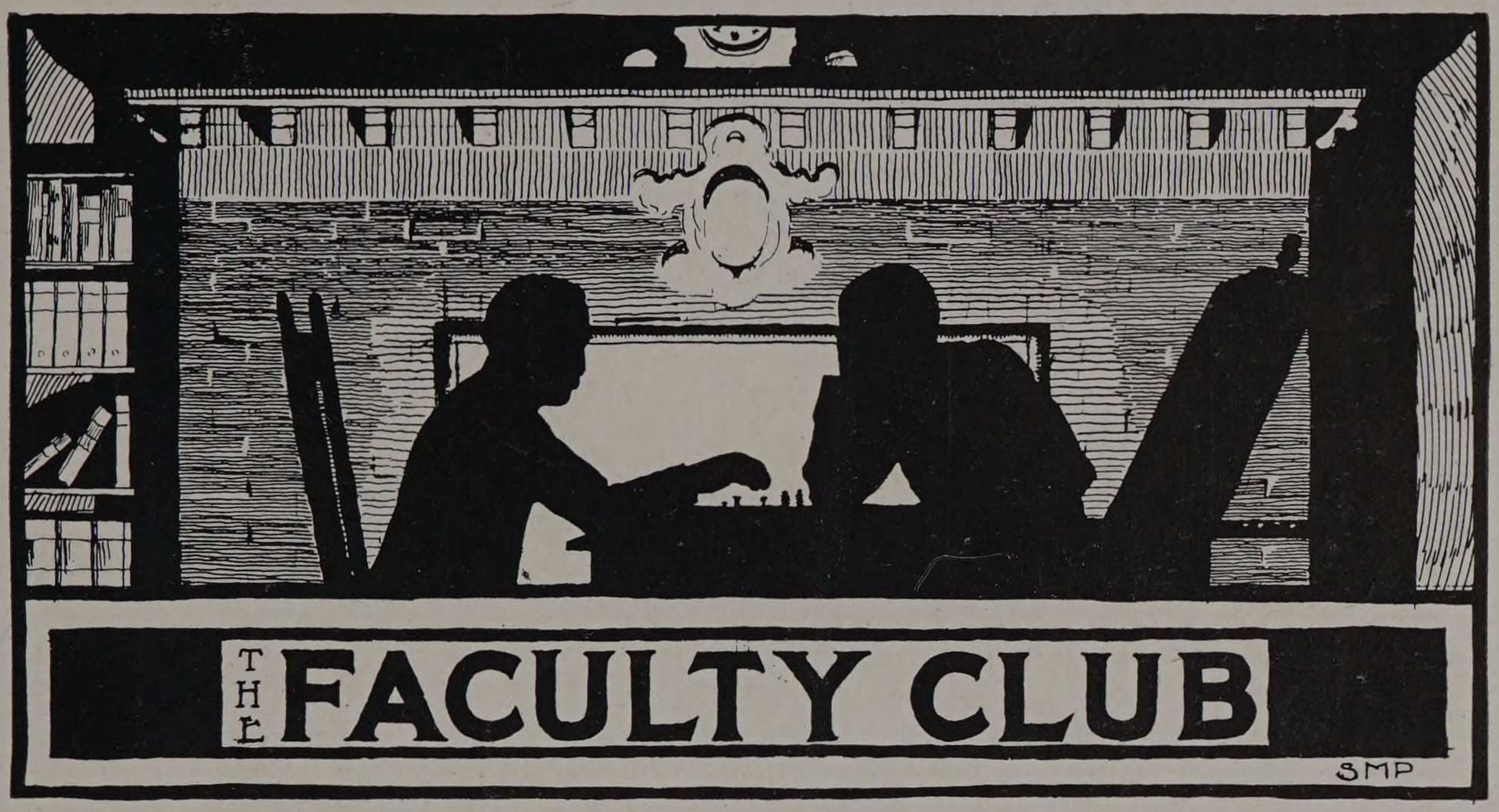








ORGANIZATIONS
F.C.
R.A.
M.E.
C.E.
F.E.
FX
YMCA
LE TOURET



President . . . . . Prof. G. L. Scherger

Vice-President . . . . . Prof. C. W. Leigh

Vice-President . . . . . Prof. W. G. Smith

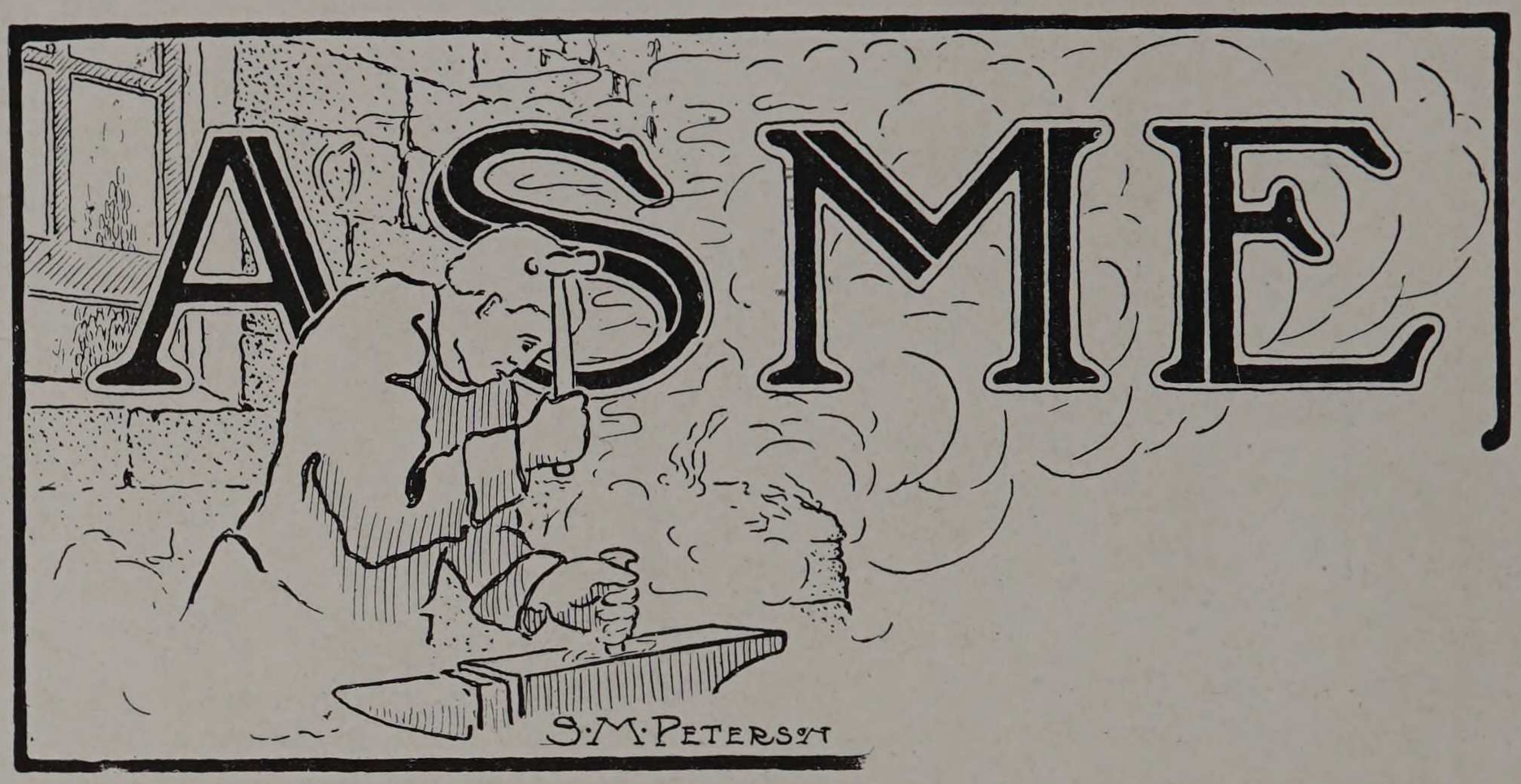
Secretary . . . . . Prof. J. C. Penn

Treasurer . . . . . Mr. C. H. Fornhof

The Faculty Club rooms are on the ground-floor of the Mission Bldg. and contain rooms for lounging, reading, billiards, chess, checkers, etc.

All of the faculty are members of the Club and the rooms furnish a pleasant place for relaxation.

The Club is essentially one for recreation for the faculty, between classes and at odd moments, during which time many determined tournaments have been held.



Armour Student Branch
American Society of Mechanical Engineers

OFFICERS

Honorary Chairman	G. F. Gebhardt
President	F. L. Brewer, Jr.
Vice-President	O. A. Anderson
Secretary	J. A. Agee
Treasurer	W. L. Juttemeyer

In accordance to custom, the first meeting of the Society was a smoker, held in the Armour Lunch Room on Thursday, October 8, 1914.

Mr. C. W. Naylor, Chief Engineer for Marshall Field & Company, spoke on the advantages derived from active membership in an engineering society. The talk was exceedingly interesting and came from a worthy source, for Mr. Naylor attributes his success in the engineering world to his connection with engineering societies. Professors Gebhardt, Peebles, Libby, Anderson, and Roesch responded with short talks, after which refreshments were served.

At the meeting on December 2, the announcement and details were read concerning prizes offered by Henry Hess, member of the A.S.M.E., for the best technical papers presented before the Branches by student members. Mr. Frederick Purdy, engineer with the Rayfield Carburetor Co., spoke on "Carburetion," outlining the development which has taken place along this line.

Meetings:

Oct. 8, 1914—Smoker—C. W. Naylor, Speaker.
Nov. 4, 1914—L. D. Kiley '12 on "Patents and Patent Law."
Dec. 2, 1914—Frederick Purdy on "Carburetion."
Feb. 4, 1915—F. L. Faulkner '15 on "Adaptability of the 8 Cyl. V-Type Motor to the Automobile."
Mar. 11, 1915—Mr. Abbot on "Cement Manufacture."



Top Row—LeVally, Sherwood, Palmer, Skinner, Hall, L. Luckow, Bready, Broman, Agee. *Second Row*—Paterson, Mayer, Byanskas, Gleason, Carr, Willson, Cooban, Alter, Wilcox. *Third Row*—Willett, Miller, Siebenaler, Perry, Libby, Peebles, Anderson, Stepanek, Brewer. *Fourth Row*—Moehle, Armacost, Chipman, Bartlett, Faulkner, Strauch, Wetzel, Ward. *Bottom Row*—Katzinger, Juttemeyer, Harmon, Anderson, Pimstein, Wong, Wight.



Armour Institute of Technology Branch of the American Institute of Electrical Engineers

Chairman . . . . W. L. Borroughs
Secretary . . . . . C. F. Wright
Treasurer . . . . . J. F. Adamson

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

Many notable papers were presented to the Society during the year, and the attendance at all meetings proved very gratifying. The high attendance mark was reached on February 18, 1915, there being 129 present when Professor Freeman called the meeting to order. Mr. Henry A. Morse, of the Simplex Wire and Cable Company, spoke on the manufacture of rubber covered wire and cable. The lecture was illustrated by motion pictures and stereopticon slides. As a whole, the meeting may be voted as being the best of the year.

The meetings and speakers for the year were as follows:

Oct. 1, 1914—Opening meeting and Smoker.
Nov. 4, 1914—Mr. W. G. Martin, '12, on "The Scientific and Artistic Lighting of Interiors"
Dec. 3, 1914—Mr. Seeberger, '15, on "The operation of the Automatic Telephone"
Mr. Adamson, '15, on "Electricity Applied to Agriculture"
Feb. 18, 1915—Mr. Henry A. Morse, on "The Manufacture of Rubber Covered Wires and Cables"



Top Row—Goe, Wright, Mammes, Katz, Barrer, Wolfson. *Second Row*—Oswald, Adamson, Enzler, Marsh, Gilbert, Mieczkowski, Deering. *Third Row*—Pfeifer, Hillock, Abrams, Edlund, Bland, Shaffer. *Bottom Row*—Harvey, Earle, Borroughs, Seeberger.



Armour Civil Engineering Society

OFFICERS

President	G. W. Sproesser
Vice-President	G. J. Trinkaus
Treasurer	L. D. Hook
Recording Secretary	E. R. Marx
Corresponding Secretary	T. J. Kiene

The first meeting of the year was called to order on October 8, 1914. Mr. E. F. Hiller, '06, gave a very interesting talk on his work as efficiency engineer for the City of Chicago, and of the methods of examining applicants for civil service positions. Professors Penn and Phillips responded with short talks on civil service and much valuable information was gathered and appreciated. As per custom, smokes and eats were in order and so, needless to mention, the first meeting was well attended.

"Straight from the Shoulder" or "Down with Guggenheim" by Wirt A. Stevens, '11, occasioned our next treat. Stevens as a mining prospector in the Clear Creek region certainly gave us the information in a most concise and forceful form, and did not mince his words.

The various speakers and meetings of the Society during the year are here given:

Oct. 8, 1914—Mr. E. F. Hiller, '06—"Efficiency in the City Service"
Oct. 27, 1914—Prof. Wells—"Construction of a Car Ferry Dock at Kewanee, Wisconsin"
Nov. 10, 1914—Prof. Penn—"My Observations of the Construction of the Panama Canal"
Nov. 24, 1914—Mr. Tenney S. Ford, '06—"The City of Chicago's Sewage Disposal"
Dec. 14, 1914—Mr. Wirt A. Stevens, '06,—"Prospecting"
Feb. 9, 1915—Election of Officers for 1915-1916.
Feb. 23, 1915—Mr. Kelleher, of the Universal Portland Cement Co., on "Modern Concrete Road Construction"
Mar. 23, 1915—Mr. C. I. Holcomb, '05—"The Chicago City Railway's Method of Construction"



Top Row—Hemple, Dietenbeck, Sproesser, Knuepfer, Hahn, Hook, Armstrong. *Second Row*—Adams, Dean, Armstrong, Phillips, Penn, Wells, Kiene, Anning. *Third Row*—O'Grady, Sherman, Simmons, Altman, Trinkaus, McHugh, Dolan. *Bottom Row*—Foy, Marx, Brower, Jucker, Compton, Duffy, Wermuth, Rook.



The Armour Chemical Engineering Society

President	R. D. Parrott
Vice-President	G. B. Perlstein
Secretary	C. Congdon
Treasurer	A. N. Grossman

The first meeting of The Armour Chemical Engineering Society for the year 1914-1915 was held on September 25, at which the future policy of the society was discussed. After a warm discussion, it was decided that all speakers before the society should be our professors, alumni in chemical engineering work or professional men in their respective field of chemical work, rather than have the students engaged in chemical or any engineering work in the summer give their experiences. Great enthusiasm was shown by all members in an endeavor to make this year's work one of genuine social as well as educational benefit to all.

In line, therefore, with our new policy, at the second meeting on October 15, 1914, Prof. McCormack spoke on "Reasons for the Non-Development of the American Chemical Industries". This is a matter of vital interest to those concerned with the chemical and allied industries, and has been a puzzle to those not acquainted with the conditions involved. Informal discussions which have been made a feature of the meetings, brought out many interesting facts.

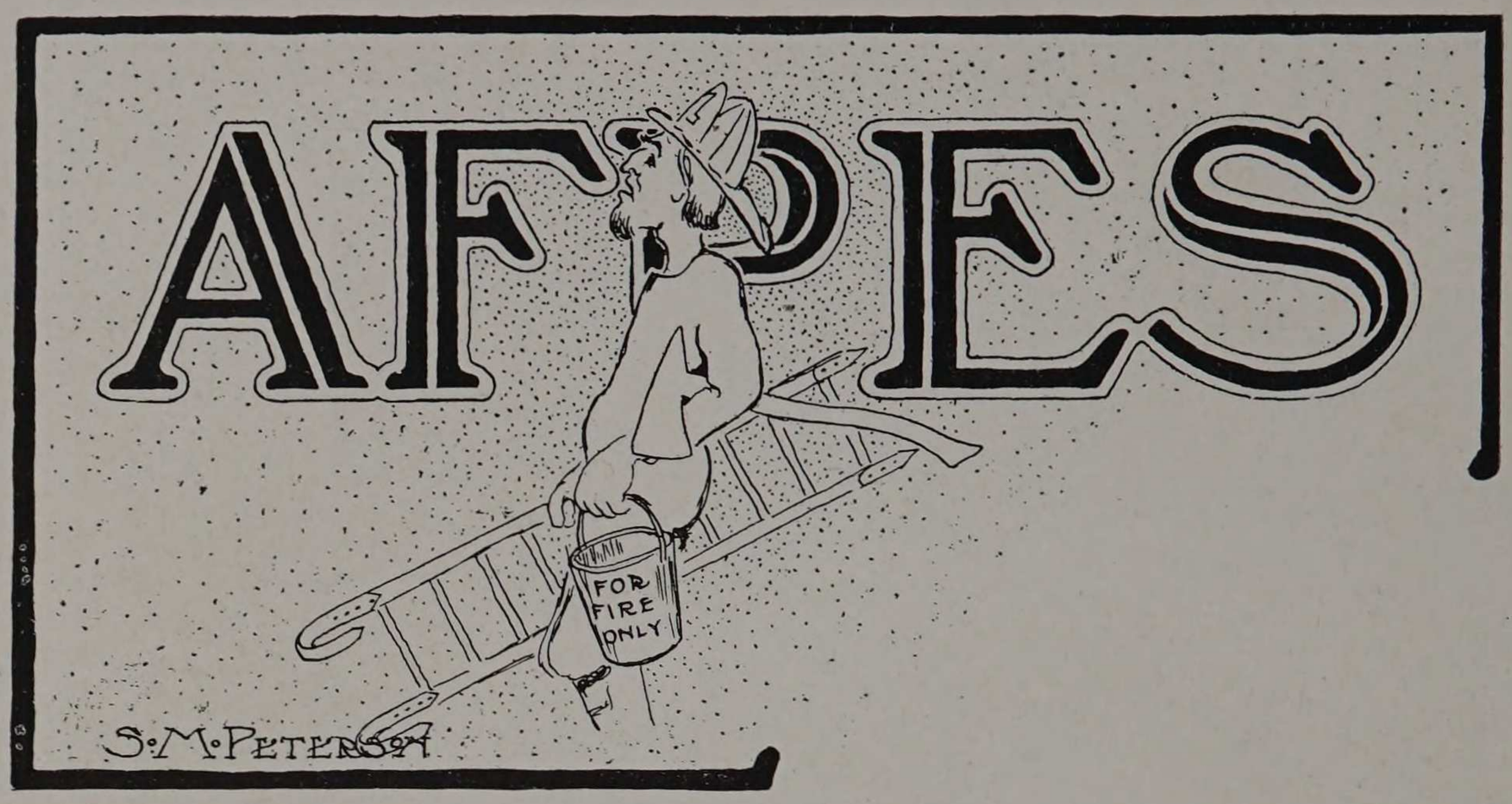
In the following meetings, Profs. Freud and Tibbals presented papers, and we are much indebted for the new ideas and data obtained from them. Much interest has been shown at all meetings, especially among the Sophomores.

Our meetings and their speakers were:

Sept. 25, 1914—Business Meeting.
Oct. 25, 1914—Prof. McCormack on "Reasons for the Non-Development of the American Chemical Industries."
Nov. 11, 1914—Prof. Freud on "New Ideas in Organic Chemistry"
Dec. 9, 1914—Prof. Tibbals on "The Rare Gases of the Atmosphere"
Jan. 23, 1915—Semi-annual banquet, Hotel Morrison. Speaker, Mr. Chas. C. Kawin, of the Kawin Laboratories.



Top Row—Sieck, Hahn, Wilkins, Diemecke, Dougherty, Linendoll, Durant. *Second Row*—Lauletta, Wilson, Congdon, Parrott, Perlstein, Grossman, Bolte. *Third Row*—Gill, Wilsnack, Tibbals, McCormack, Pulsifer, Freud, Yamamoto. *Fourth Row*—Finklestein, Marx, Pierce, Eisenberg, Butterman, Newmark, Lucklow. *Bottom Row*—Burda, Markham, Friedman, Kendall, Evans, Wollaston, Smith, Hankan.



Armour Fire Protection Engineering Society

OFFICERS

W. H. Rietz	President
C. A. Grasse	Vice-President
E. M. Kratz	Secretary
L. Peterson	Treasurer

HONORARY MEMBERS

Professor Fitzhugh Taylor
Professor J. B. Finnegan

The Armour Fire Protection Engineering Society was founded in the year 1913. The Juniors and Seniors in the Fire Protection Department saw the need of organizing in order to have talks on the various phases of Fire Protection and Fire Prevention by men out in the work. By means of these talks the students are able to see the wide field open to them and to better appreciate the need for this work.

The following program for the year carries out this idea:

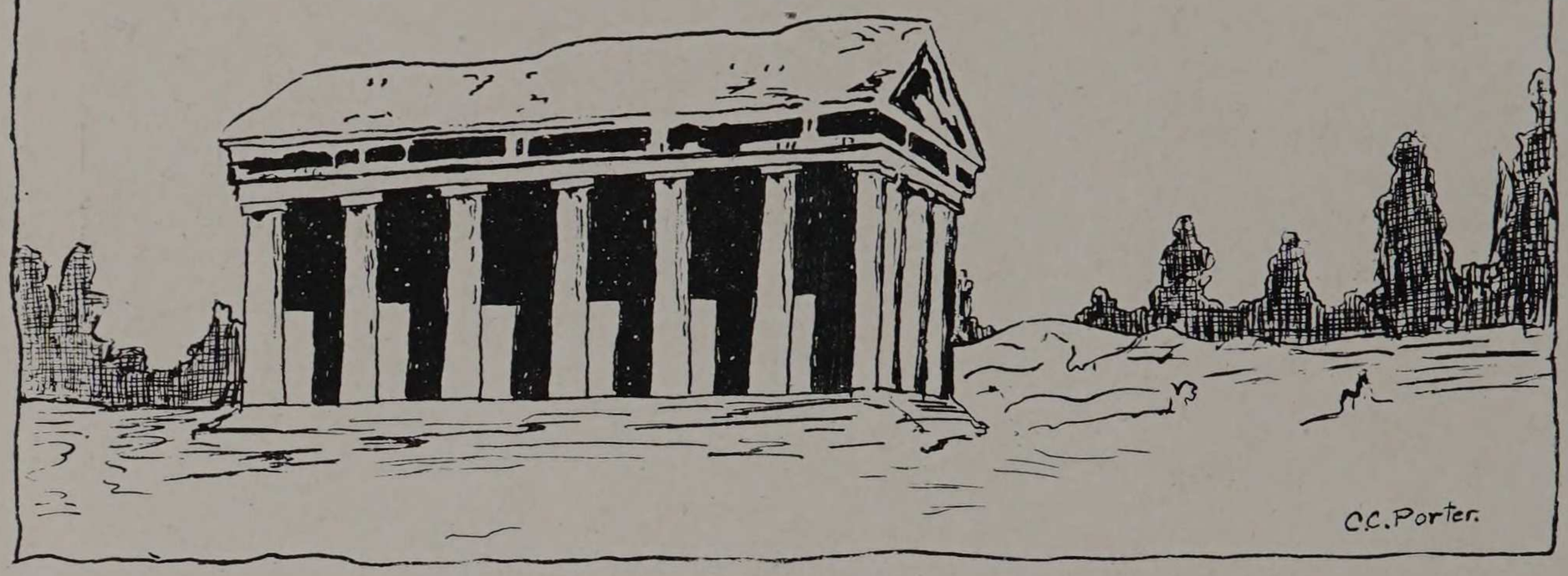
November talk—Prof. Finnegan—"Insurance Inspection"
December talk—Mr. Riddle, of Underwriters Lab.—"Building Material Construction"
January talk—Mr Banash of Underwriters Lab.—"Hazards of Appliances"
February talk—Mr. Smith, Head of Gas & Oils Department, Underwriters Lab.—"First Aid Extinguishing Appliances."
March talk—Mr. Knuckles, Head of Chemical Department, Underwriters Lab.—"Matches"

The above lectures were well attended not only by members of the society, but by others interested in Fire Prevention work. The membership of the society has more than doubled in the last year. The society is planning to become an associate member of the "National Fire Prevention Association" in order to keep a closer watch on the nation wide movement for Fire Prevention.



Top Row—Kula, Hill, Marx, Anderson, Maguire, Mattern, Hahn, Heath. *Second Row*—Chamberlain, Shreiner, Roser, Taylor, Roberts, Burns, Cloidt, Foschinbauer. *Third Row*—Schrup, Mann, Evans, Wegwart, Peterson, Rietz, Grasse, Bower, Pfafflin. *Bottom Row*—Corman, Crist, Rice, Gopplschroeder, MacDiarmid, Tronvig, Puschel, Cole.

ARCHITECTURE



Massier . . E. A. SCHIFFERS Treasurer . . J. LEWIS
Secretary . . E. W. PORTER Social Representative I. R. SWANSON
Steward . . . . . E. D. PIERRE

As the school year draws to a close, nearly every one in the department is buckling down to work. This is more evident than in former years, for with the advent of several new instructors, a different spirit has come over the school. The Seniors are working on the Traveling Scholarship problem, "A Cardinal's Palace," which is due on April 3rd. This is the last problem of the year, with the exception of the thesis. The Juniors are working on the sketches for their new problem. Their last problem, "A Soldiers' and Sailors' Monument," was handed in last week, but has not yet been judged. The Sophomores are preparing the final drawings for "An Administration Building for a Terra Cotta Company," and the Freshmen have nearly completed their design, "A Shelter for a Fountain."

On February 8, Mr. Fleming, of the American Sheet and Tin Plate Company, gave an interesting and instructive talk to the Juniors and Seniors on the manufacture of sheet metal and of copper alloyed steel. The latter had not been used to any great extent until a few years ago, when the American Sheet and Tin Plate Company experimented with it and found it to be of sufficient value to builders to manufacture it extensively and push its sales along this line.

The Junior class recently made a trip to the drafting rooms of Graham, Burnham and Company, and on May 12 the Seniors inspected the offices of Holabird and Roche in the Monroe Building. These inspection visits are very instructive.

Mr. Shattuck has very generously given his help to the education committee of the Atelier in obtaining a number of interesting speakers for the Atelier Smoker, to be held in the near future. Among those who have already been obtained for talks are Mr. Jensen, of the firm of Jennie, Mundie and Jensen, who will talk on "Hospitals," and Mr. Fellows, of Perkins, Fellows and Hamilton, who will tell us of some of his impressions during his recent trip to Japan.

This year the architects have been unusually fortunate in having the Scanlon lectures, which are held in Fullerton Hall, wholly dedicated to architectural subjects, with such men as Ralph Adams Cram, Claude Bragdon and Thomas Hastings as the speakers. Their addresses, so far, have been interesting, in that they have given the ideas and ideals of men who have made their lives a success by the following of these very details.

Mr. Campbell had the honor of having quite a number of his water color sketches hung in the exhibition of the Association of Chicago Artists, which was recently held in the Art Institute.





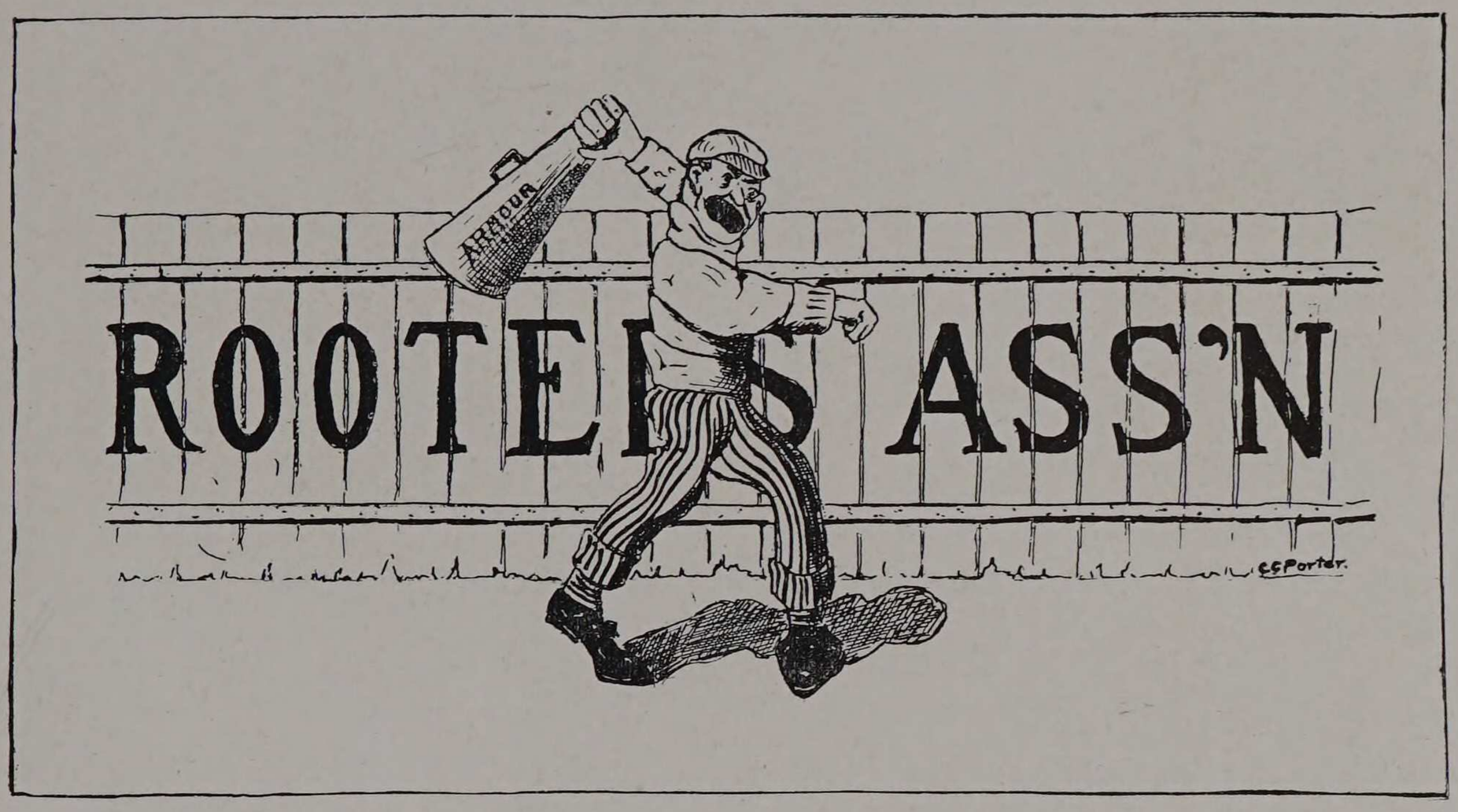
KIENE WILCOX VOLLBRECHT EVANS
KATZINGER SULLIVAN ANDERSON

Armour Rooters Association

President	J. E. SULLIVAN
Vice-President and Treasurer	A. KATZINGER
Secretary	S. W. ANDERSON
College Cheer Leader	W. C. VOLLBRECHT

Class Representatives

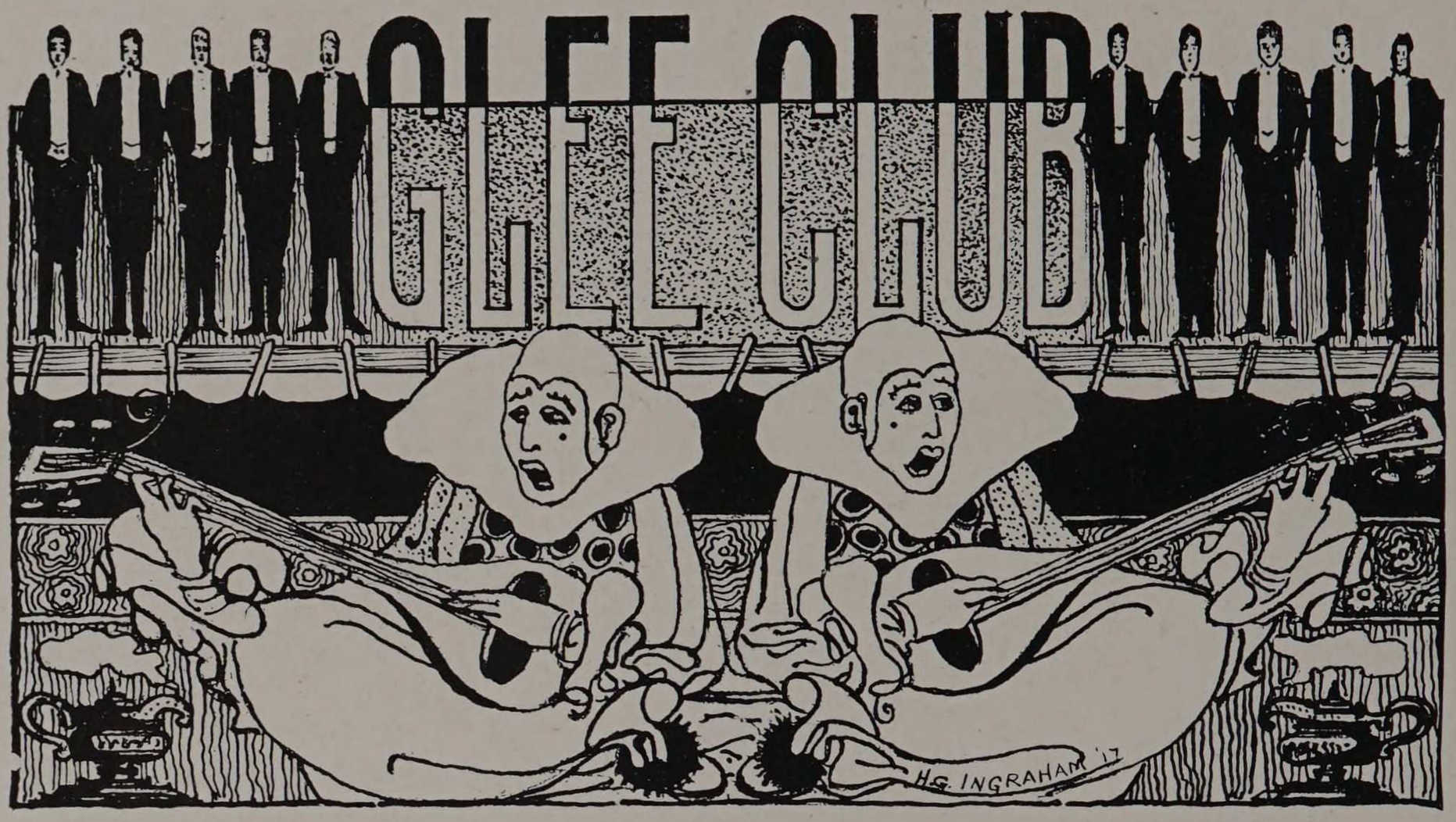
T. J. KIENE	Class of 1915
M. L. WILCOX	Class of 1916
W. C. VOLLBRECHT	Class of 1917
S. L. EVANS	Class of 1918



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

This year has been a particularly active one and under the leadership of the dynamic Joe Sullivan much interest has been shown. Bronze fobs were presented to the winners of the champion inter-class teams and an inter-fraternity series has been started.

The main social functions promoted by the association have succeeded with a bang and we thank the association for the best and most enjoyable Circus held at Armour.



JOHN JUCKER, JR.—Business Manager
STANLEY W. ANDERSON—Assistant Business Manager
Leader—J. R. LE VALLY
Director— W. G. SMITH

FIRST TENOR		SECOND TENOR	
Hillock, J. F.	Olson, H.	Anderson, S. W.	Dryden, A. N.
Hanchette, H. W.	Greenman, R. A.	Le Vally, J. R.	Harvey, J. D.
Ingraham, H. G.	Smith, W. G.	Marx, E. R.	Simpson, H. N.
Mellor, L. E.		Trinkaus, G. J.	Wight, C. D.
FIRST BASS		**SECOND BASS**	
Edlund, L. L.	Mann, R. N.	Schiffers, E. A.	Strauch, F. P.
Evans, S. R.	Marx, F. E.	Bolte, C. L.	Fritze, G.
Wegwart, G. H.	Wignall, W. J.	Byanskas, J.	Quinn, E. F.
Somers, L. V.			

Piano: Byanskas, J.



LEVALLY JUCKER ANDERSON



Top Row—Quinn, Wignall, Mellor, Mann, Byanskas, Hanchette. *Second Row*—Marx, Anderson, LeVally, Smith, Jucker, E. Marx. *Third Row*—Simpson, Schiffers, Hillock, Ingraham, Strauch, Somers, Bolte. *Bottom Row*—Trinkaus, Dryden, Wegwart, Evans, Harvey, Wight



KUBAUGH JUCKER SIMPSON BOLTE
PIMSTEIN McGRATH BERGMAN

Mandolin Club

Leader—C. L. BOLTE
Director—C. D. SMITH

FIRST MANDOLIN

Bolte, C. L. McGrath, P. J.
Simpson, H. N. Marks, R. E.

SECOND MANDOLIN

Linendoll, H. A. Bergman, L. J.

FIRST VIOLIN

Kubaugh, K. D. Windesheim, H.

SECOND VIOLIN

Geldmeier, H. F.

GUITAR

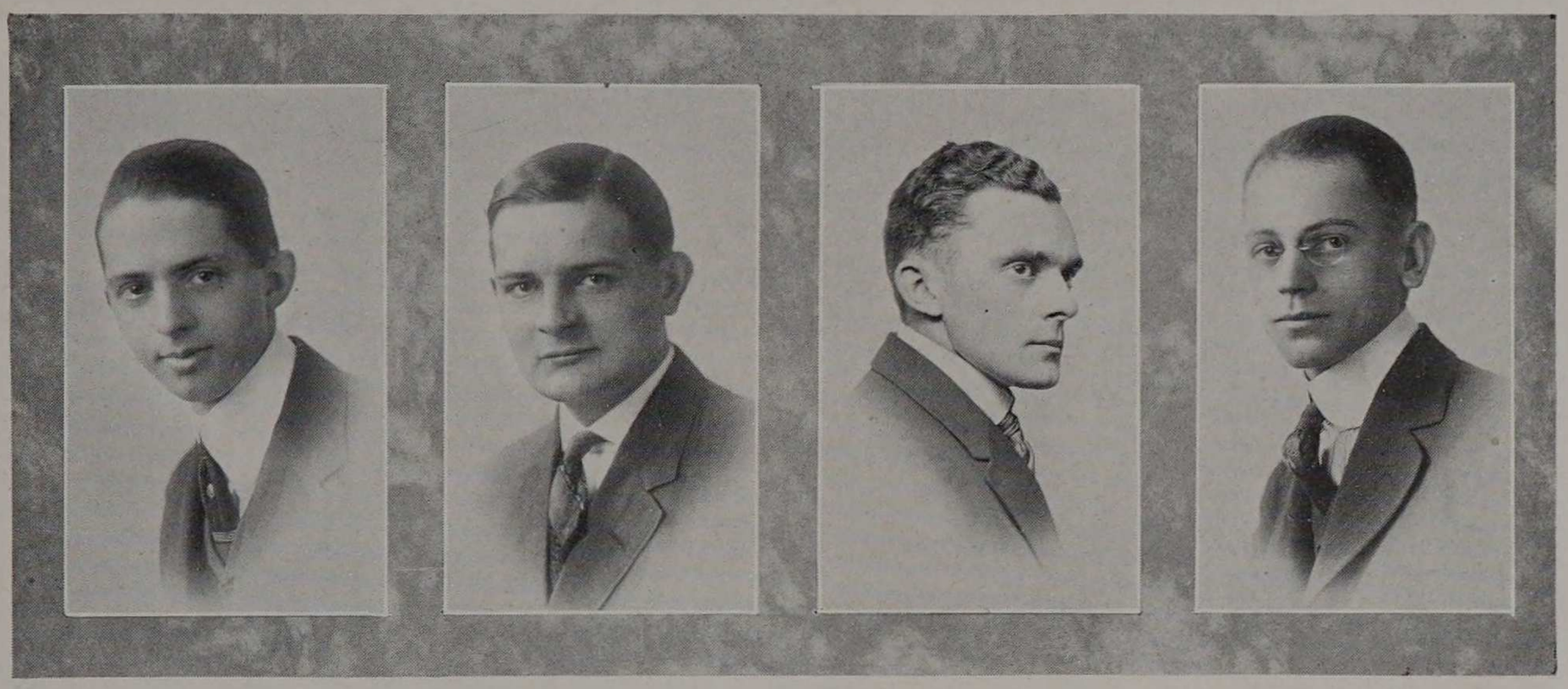
Dern, K. L.

CLARINET

Pimstein, S.

PIANO

Dougherty, G. L.



ARMSTRONG HEMPLE KUCERA EDLUND

Young Men's Christian Association

Officers

FRED C. ARMSTRONG	President
CHARLES J. KUCERA	Vice-President
HENRY W. HEMPLE	Secretary
LAWRENCE L. EDLUND	Department Secretary

Committee Chairman

J. BYANSKAS	Membership
H. SIMPSON	Meetings
H. A. ROOK	Social
E. W. MCDIARMID	Social Service

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PROF. C. W. LEIGH
PROF. G. L. SCHERGER
PROF. T. E. DOUBT
PROF. M. B. WELLS
MR. F. U. SMITH
MR. N. P. PETERSON
MR. F. C. ARMSTRONG
MR. H. W. HEMPLE
MR. L. L. EDLUND

A man who hopes to become truly educated should develop the social and moral, as well as the intellectual, sides of his nature. It was with the view of supplying a means for the development of the body and soul that the department at the Institute was organized. Membership is open to any of the student body, regardless of sect. A membership in this department entitles the holder to house privileges at any of the large city-departments. Upon payment of a nominal fee, the student is extended the full privileges in any one of the departments of the city.

The affairs of the department are controlled by an Advisory board, composed of seven faculty and three student members. Three of the officers of the Association are elected by the student members; the fourth officer, the General Secretary, is appointed by the Board of Managers. With the exception of the Vice-President, all of the officers are members of the Advisory Board.

The Association occupies rooms on the third floor of Chapin Hall, 3321, Federal Street. These rooms are nicely decorated and among other things, contain a billiard table and a piano. A supply of current magazines is kept on hand. Ample facilities are thus given the student for rest and recreation.

A hand-book, highly prized by the students, is issued by the Y. M. C. A. at the beginning of each school year. This serves as a memorandum book, and also contains various items and information of interest and use to the student.

The first event of the school year, the Freshman Handshake, is held under the direction of the Y. M. C. A. This gathering is held to enable the new students to become acquainted amongst themselves, and with the members of the upper classes. In previous years it had been the custom to hold the handshake in the Institute lunch room. Due, however, to cramped quarters, it was decided to hold this years' handshake in the Hyde Park Y. M. C. A. Building. The result was a handshake that was undoubtedly the most successful ever held.



The Y.M.C.A. Parlor

Polemics

The Polemics is an outgrowth of Prof. Cooper's public speaking class. Some of the present seniors, naturally inclined to harangue, had to have some place at the Institute where they could obtain relief before a sympathizing audience. Thus the spring of 1913 saw the organization of the Polemics. The object is the practise of public speaking and parliamentary law and usage. All members in turn preside over meetings, take the minutes, and present a subject for discussion. Visitors are always welcome.

Armour needed such an organization. It is shown by the fact that from the original membership of eleven, the Polemics at present number forty. The critical year will be the next, when the founders have left, but it is hoped that enough interest has been awakened among all students to see that the strongest organization at Armour is the Polemics.

Honorary Members

Louis Celestin Monin, Dean of the Cultural Studies.

George Lawrence Scherger, Prof. of History and Pol. Science.

Walter Kay Smart, Professor of English.

Clyde Barnes Cooper, Associate Professor of English.

Charter Menbers

Max Deitenback
Chester G. Hanson
Claude A. Knuepfer
William V. Lindblom
Emmet R. Marx
Herman C. Nebel
Charles R. Simmons
Theodore J. Kiene
George W. Sproesser
George J .Trinkaus
Clifford D. Wight

Polemic's Roll of Members

First Semester		*Second Semester*
Max Deitenbeck	*President*	Walter H. Rietz
Archie B. Griffith	*Vice-President*	Victor E. Marx
M. Grodsky	*Vice-President*	. . . . .
William M. Bready	*Sec'y-Treas.*	Stanley M. Peterson

Active Members

Seniors

Oscar A. Anderson
Harold E. Anning
Arne Bodholdt
William M. Bready
Fred L. Brewer
Ludwig W. A. Bunge
F. L. Chipman
Max Deitenbeck
Fred L. Faulkner
Archie B. Griffith
M. Grodsky
Louis E. Hibbard
John J. Jucker, Jr.
Theodore J. Kiene
Claude A. Knuepfer
Emmet R. Marx
James Leo Mayer
William Patterson Jr.
Stanley M. Peterson
Theodore K. Pfafflin
Earl W. Porter
Walter H. Rietz
Emil A. Schiffers
Ernest F. Schreiber
Sidney Shaffer
M. A. Sherman
Ernst Sieck
Charles R. Simmons
George W. Sproesser
George J. Trinkaus
Fred L. Ward
Clifford D. Wight

Juniors

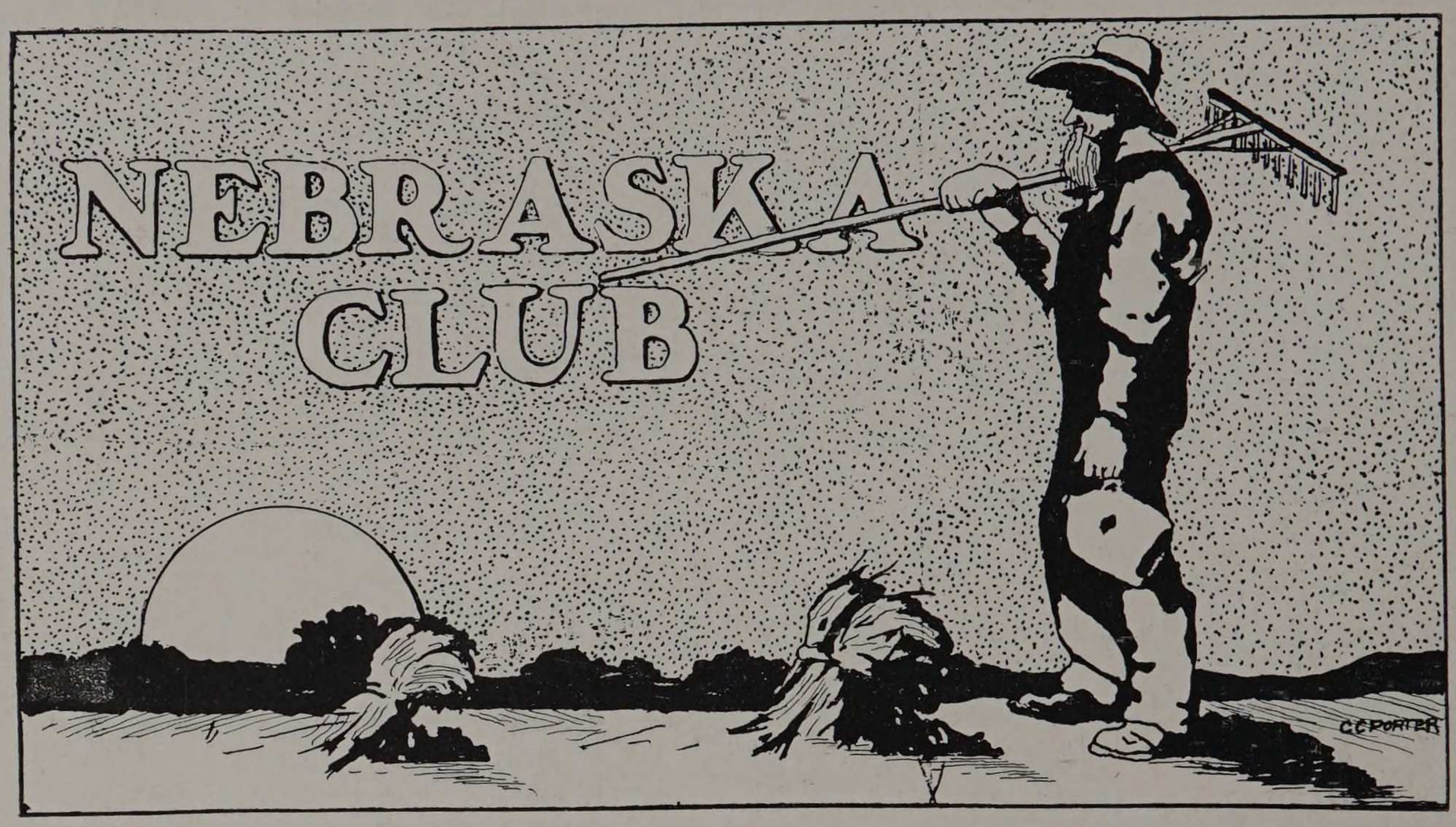
Victor E. Marx
George Perlstein
Henry A. Rook

Freshmen

M. L. Ensminger
E. W. Mann
Fred E. Marx
H. W. Puschel
H. D. Stevers



Top Row—Jucker, Brewer, Sherman, Shaffer, Stevers, Puschel. *Second Row*—Marx, Sproesser, Rook, Mann, Bunge. *Third Row*—Mayer, Chipman, Trinkaus, Bready, Schiffers, Peterson. *Fourth Row*—Simmons, Griffith, Deitenbeck, Grodsky, Hibbard. *Bottom Row*—Rietz, Faulkner, Knuepfer, Porter, Bodholdt, Kiene.



ORGANIZED 1906

Officers

T. J. KIENE . . . . . President
E. P. WEETH . . . . . Vice-President
A. B. GRIFFITH . . . . Secretary and Treasurer

Honorary Members

H. C. STANLEY
G. F. BROWN
E. G. ZACK
R. G. BOHN
R. ZACK

Members

A. B. GRIFFITH, '15
H. E. WILLSON, '15
T. J. KIENE, '15
E. P. WEETH, '16
R. PROCHAZKA, '16
E. A. ZACK, '17
K. L. DERN, '17
O. ZACK, '18
H. WILSON, '18

Nebraska Club



Kiene — Dern — E. Zack — Zack
Weeth — Griffith — Willson
Wilson — Prochazka



SHOTWELL
ZIMBELMAN
KAUTNAUER
SCHEUER
ANTHONY
STEVERS
DAVIDSON
PEPPERMANN
GOLDSTEIN
MATHEWS

Armour Radio Association

Officers

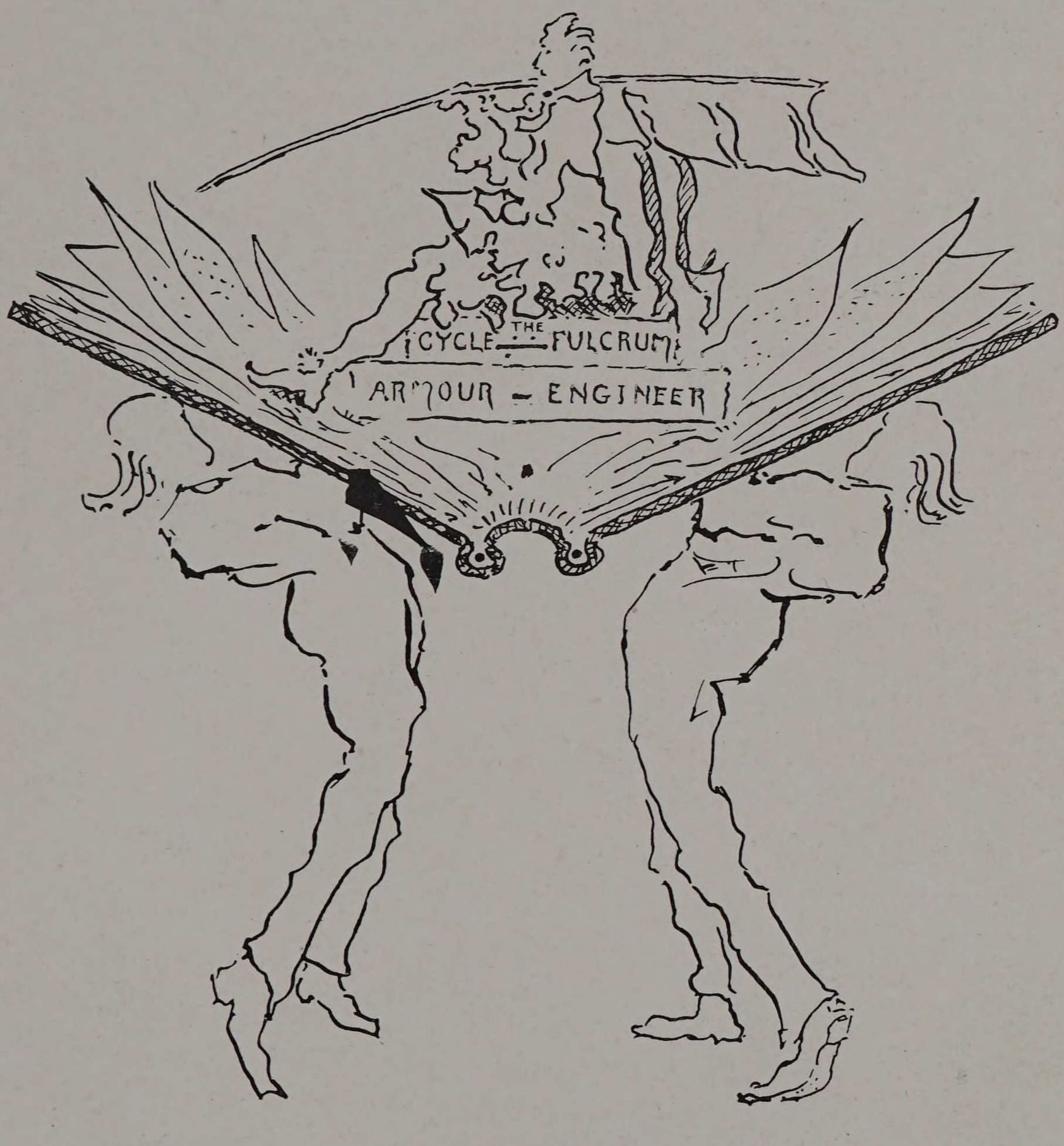
President	H. D. STEVERS
Vice-President	H. H. SHOTWELL
Secretary and Treasurer . .	R. H. MATHEWS

The Armour Radio Association was organized during the second semester of this school year for the furtherance of the knowledge of the theory and practice of radio-telegraphy and telephony.

It is the intention of the association to have a course of lectures starting with the elementary theory of wireless, and continuing until as much as possible of the field has been covered. The lectures are to be given by members of the association, starting with those who are licensed operators and have active sets. The three officers of the club are all possessors of commercial operators' licenses and so will deliver the majority of the lectures. Two lectures have already been given; the first, by Mr. Stevers, and the second by Mr. Mathews.

It is also the intention of the club to erect and maintain a radio-telegraph station at the Institute.

THE



PRESS

VADER

The Cycle, 1915



FRED C. ARMSTRONG
Managing Editor

LAWRENCE J. McHUGH
Editor-in-Chief

HENRY A. ROOK
Business Manager

Associate Editors



Evans, S. L. — Katzinger — Bolte — Sosna
Porter, C. — Dolan — Porter, E.
Beaumont — Miller — Alter — Watt

The Cycle, 1915

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BUSINESS MANAGER

HENRY A. ROOK

MANAGING EDITOR

FRED C. ARMSTRONG

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C. LAWRENCE BOLTE	Social
JOSEPH C. DOLAN	Satire
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EARL PORTER	Senior Class
ROLAND M. WATT	Sophomore Class
ERNEST BEAUMONT	Freshman Class
S. L. EVANS	Freshman Class
ARTHUR S. ALTER	Asst. Business Manager

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JOSEPH MILLER

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WILLIAM PATERSON
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CHARLES R. SIMMONS

Art

STANLEY M. PETERSON
LLOYD MELLOR
HAROLD INGRAHAM
E. W. MANN
ARNE BODHOLDT
ROSCOE H. ZOOK
L. W. TWERY
H. W. VADER

The Cycle, 1915

To serve as a reminder of past incidents, and render a just tribute of renown to the great and wonderful accomplishments of the Founder, the Faculty and the students of Armour, this third volume of the Cycle is presented to you.

In a little while those classmates—who serve as tottering monuments to the memories of our Alma Mater, will be scattered as the chaf before the wind and engrossed in the empty pleasures or insignificant transactions of the age—will search in vain for the memorials of college days. Determined to avert, if possible, this threatened misfortune, all instances of interest have been recorded; the life at Armour has been presented as fairly and justly as possible and it has been our aim to make this volume a well written story of good, old Armour. As such, the Cycle is before you.

That we have been able to express in terms of the printer's art, to a certain degree, the advancement of our institution, we are indebted to the Rogers Printing Company; and to Mr. Boothby, of the Jahn-Ollier Engraving Company, and to Miss Sanborn of the Koehne Studio for their manifest interest in the creation of this volume. To the entire Cycle Board, we desire to express our appreciation.

To the following men the Class of 1916, should extend their appreciation for their work on the 1915 Cycle.

Dr. F. W. Gunsaulus	Prof. J. C. Penn	T. J. Kiene
Dean H. M. Raymond	Mrs. J. Beveridge	C. A. Knuepfer
Dean L. C. Monin	Mr. F. U. Smith	E. W. Porter

Thanks, then, to those members of the faculty, who helped and to the host of students and personal friends, whose interest and co-operation served to make our work one of joy and contentment.

Lawrence J. McHugh
Henry A. Rook
Fred C. Armstrong
Joseph C. Dolan

The Fulcrum, 1914-15

The year has seen the successful publication of the usual nine numbers of "The Fulcrum," despite the unusual advertising difficulties, which, due to the European War, similar publications throughout the country have experienced. The caliber of the paper has been maintained, although marked improvements have been made. In place of the monotonous and unimpressing standard cover of previous years, a new cover design has made its appearance each month, and the reception accorded by the readers truly warranted the additional time and expense. New headings for the different departments were forthcoming, and half-tones were reasonably plentiful. Two members of the Senior Class were written up for the "Who's Who and Why" Department, instead of one as in former years. Thus twice the number of men received recognition for the work they have done in behalf of the college and the student body. The leading articles have been of diverse character, as they should in such a publication, and have been both interesting and instructive.

"The Fulcrum" is essentially the organ of the student body, and it is its duty to chronicle the events in the college year, to give credit to those who figure in student activities, and, in general, to fill in the many gaps which occur in such a college as Armour. It is the aim of the staff to endear the paper to the hearts of the students and to make it a part, essential and indispensable, of the life of the Armour man. "The Fulcrum" merits the loyal support of the entire student body, not only in a financial but also in a contributory way. During the past year the circulation has been particularly good, amounting to about sixty per cent. of the student enrollment, exclusive of exchanges, complimentary copies, etc. This circulation has been confined almost entirely to the student body and the faculty of the college.

THE STAFF

Editor-in-Chief - - - C. Lawrence Bolte, '16
Business Manager - - John Jucker, Jr., '15
Managing Editor - - - - David M. Goe, '16
Advisory Editor - - Prof. G. L. Scherger.
Engineer's Column - - - R. F. Durant, '16
Just News - - - - Emmet R. Marx, '15
Athletics - - - { Arthur Katzinger, '16
P. L. Paskill, '17
Who's Who and Why - - Henry Bland, '16
Exhaust - - - - George J. Trinkaus, '15
Art - - - - { Estes W. Mann, '16
Harold G. Ingraham, '17
Architecture - - - - L. J. Bergman, '16
Locals - - - - - Victor Marx, '16

J. R. LeVally, '15 — W. P. Tronvig, '17
G. T. Dougherty, '16 — H. W. Puschel, '18

The Fulcrum, 1914-1915



Bolte
Marx, E.
Mann
Le Vally

Jucker
Katzinger
Ingraham
Dougherty

Goe
Paskill
Bergman
Tronvig

Durant
Trinkaus
Marx, V.
Puschel

The Armour Engineer, 1914-15

Each preceding issue of THE CYCLE has found this page devoted largely to a history of THE ARMOUR ENGINEER. This year we shall, however, be contented with one short paragraph on this phase of the ENGINEER's life, and will deal rather of the present year activities and of future possibilities.

Volume one, number one of THE ARMOUR ENGINEER was issued in January, 1909. Its appearance was the outburst of many a discussion as to whether or not a strictly technical magazine could exist at the Institute. Its successful appearance year after year decided this question without a doubt. The publication of the four numbers of Volume Seven closes what is hoped to be one of the early chapters of a most successful book.

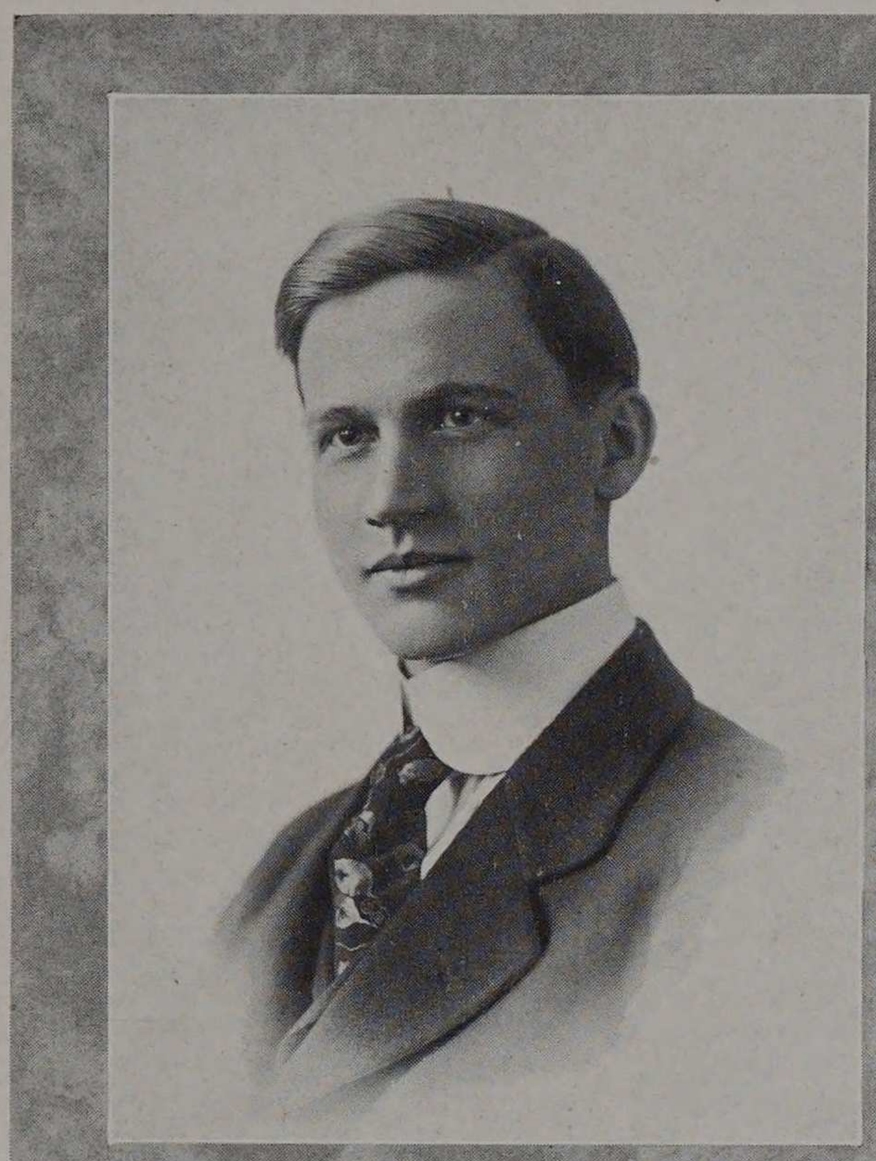
The past year has proven an exceptionally successful one. In spite of the incessant "hard time" yelpings, the advertising has been well established by the Business Department, while the Editorial Department has lived up to expectations in securing valuable contributions.

One of the most promising features of the year's work is the efficient co-operation between the Armour Alumni Association and THE ARMOUR ENGINEER Under the present system, every active member of the ARMOUR ALUMNI ASSOCIATION receives a copy of each issue of THE ARMOUR ENGINEER. Articles of interest to members of the Alumni Association are placed in "THE ALUMNUS,""Being that part of THE ARMOUR ENGINEER devoted to personal mention of the graduates of the Armour Institute of Technology and to the affairs of the Armour Alumni Association." The Officers of the Armour Alumni Association realize the benefits of co-operation with THE ARMOUR ENGINEER while the Staff of the Engineer owe many thanks for the invaluable help and backing given them by the officers and directors of the Alumni Association.

The publication of the May issue will bring forth what is hoped to be a book complying in all respects with the system of standards as laid out by the Editors of Volume Seven. The object of these standards is to make a uniform appearing book so that it may be recognized on sight. Consistant with a neat appearing page, particular attention was given to the use of type which would eliminate the expense of hand-set work. A minimum of expense will undoubtedly lead to a maximum of quality and quantity of articles, and by adoption of these standards the uniformity of matter will go to make the most pleasing appearance of the book.

To-day, THE ARMOUR ENGINEER ranks with the best of technical publications of colleges thruout the country. By continual development for the better, as has been accomplished in past years, there is no doubt that soon THE ARMOUR ENGINEER will be known as the *best* technical periodical in the country.

The Armour Engineer, 1914-1915

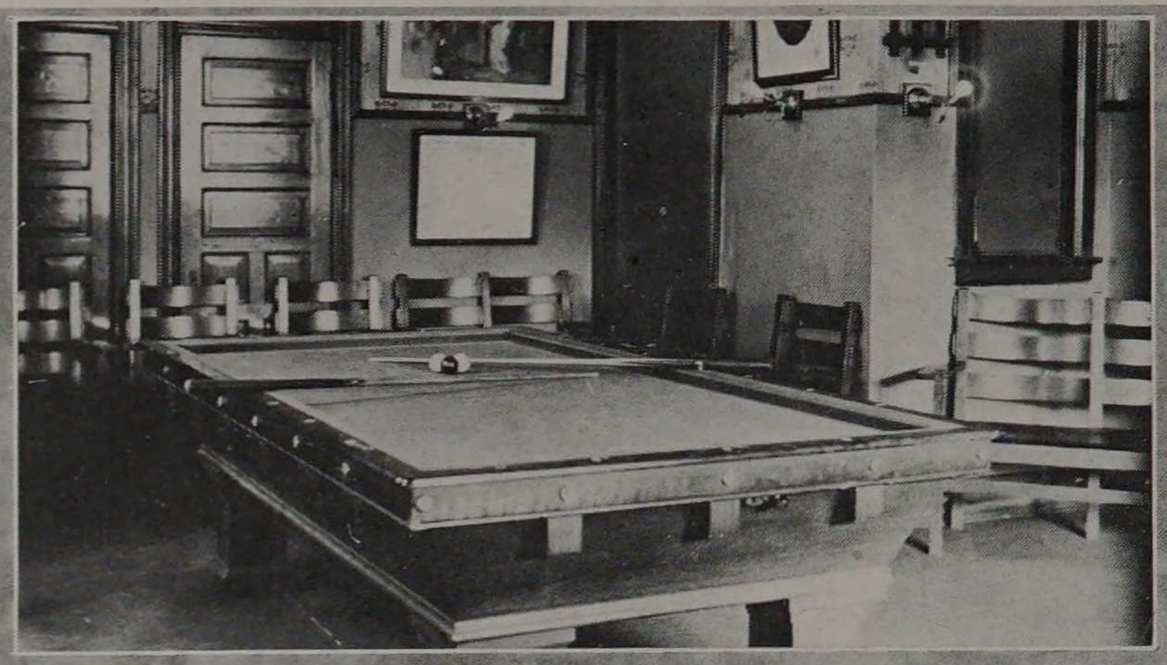


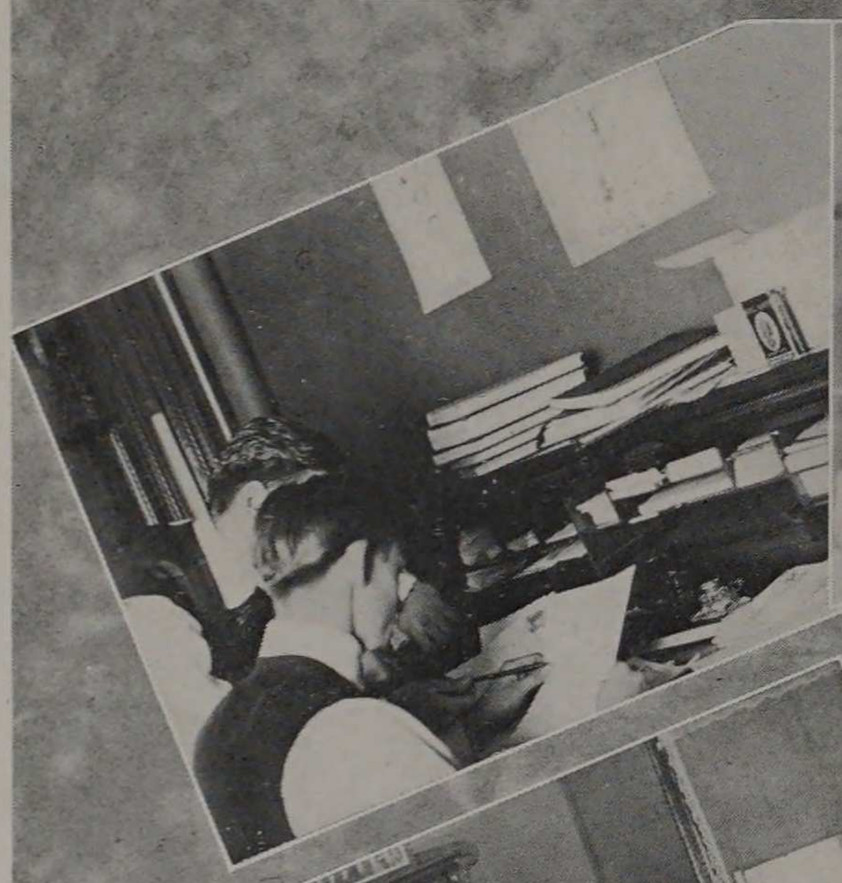
KNUEPFER
CARR

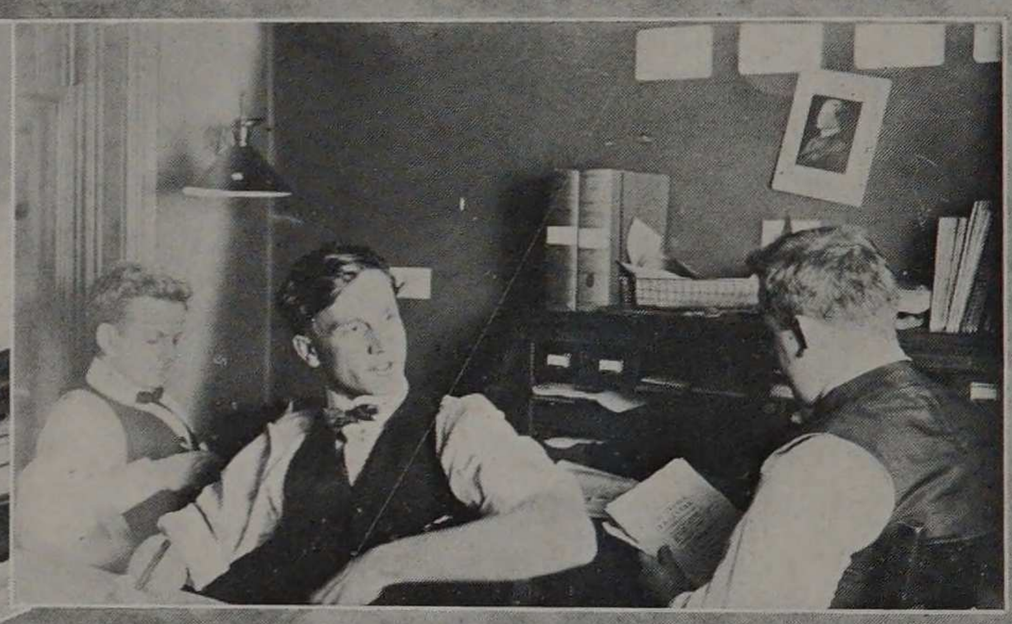


GROSSMAN
RIETZ

ORGANIZATIONS



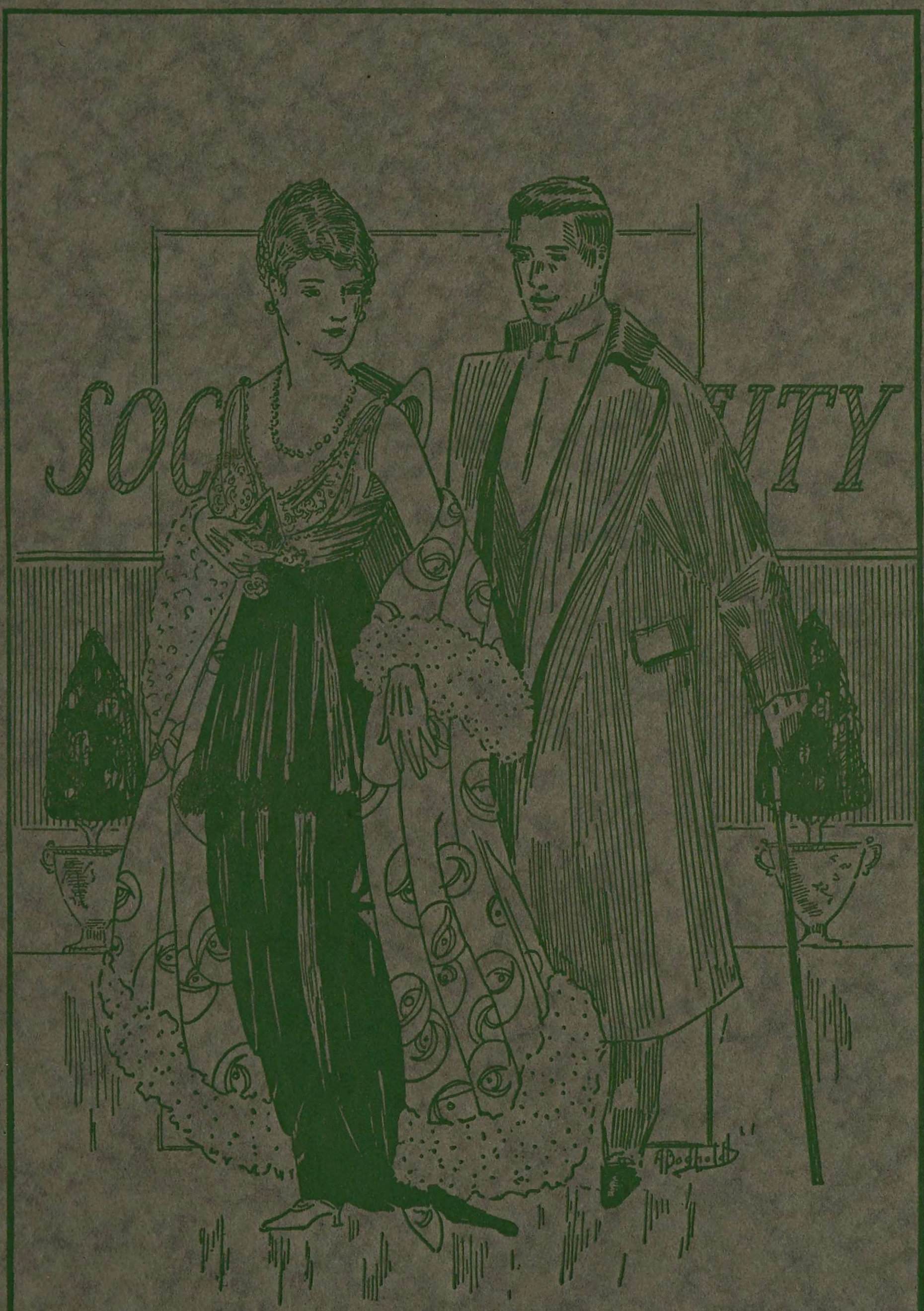


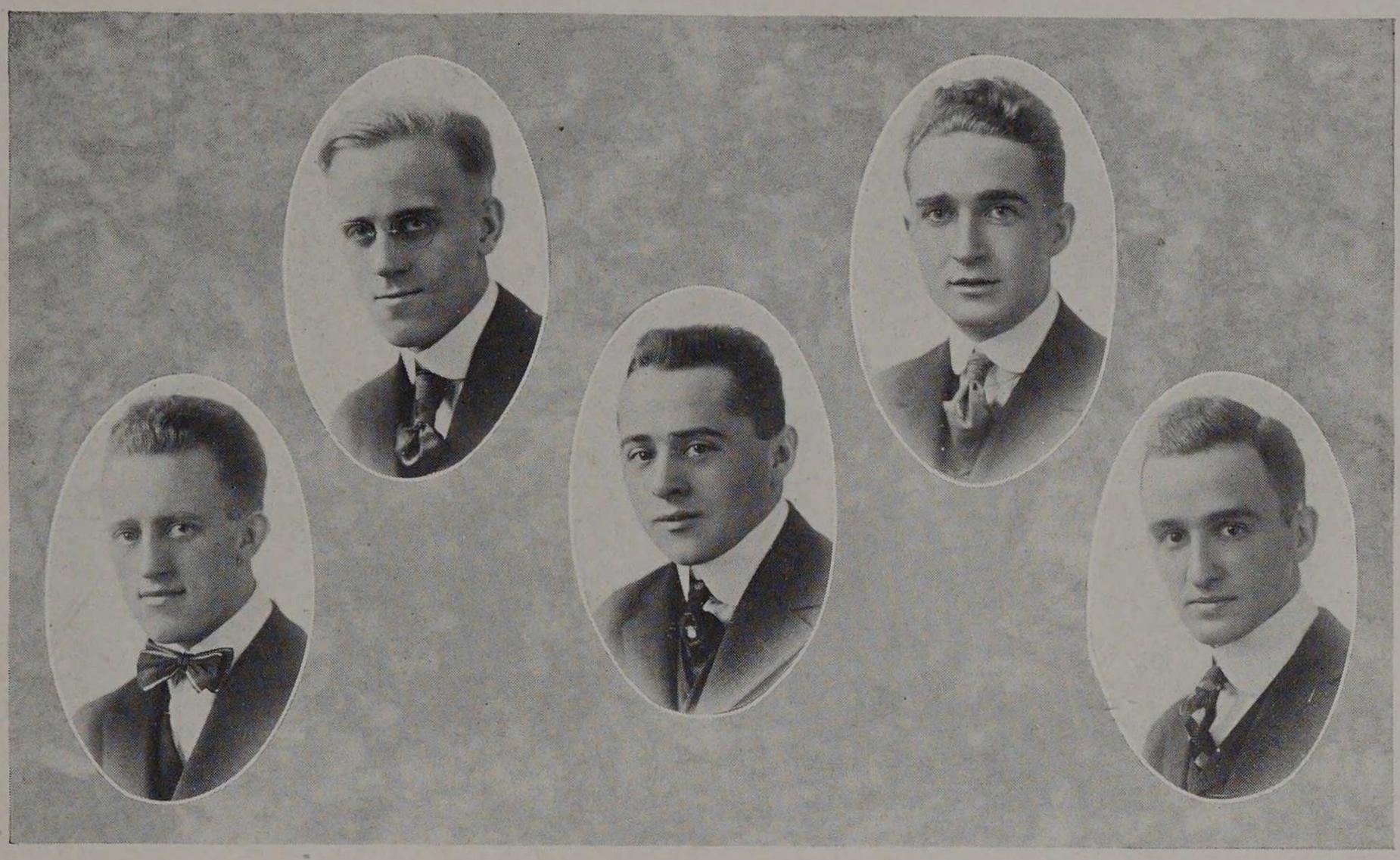









SOC ITY



ANNING ANDERSON RIETZ SULLIVAN KRATZ

The Senior Dance

The Annual Senior Dance was held Friday Evening, November 13th, at the Colonial Club. In spite of the supposed superstition that Friday the 13th, was an unlucky day, the dance turned out to be one of the most enjoyable ever given by an Armour Class. As this was the first dance of the season, the social committee of the Class of 1915 decided that it would require an extra fine feature to make it a big success. The feature was Krell's Banjo Orchestra, and as a Banjo Orchestra was the very latest fad at the time of the dance and Krell's was the very best, the success was assured.

The Colonial Club had been redecorated and looked like a fairy-land. The Patronesses for the evening were:

MR. and MRS. H. M. RAYMOND

MR. and MRS. L. C. MONIN

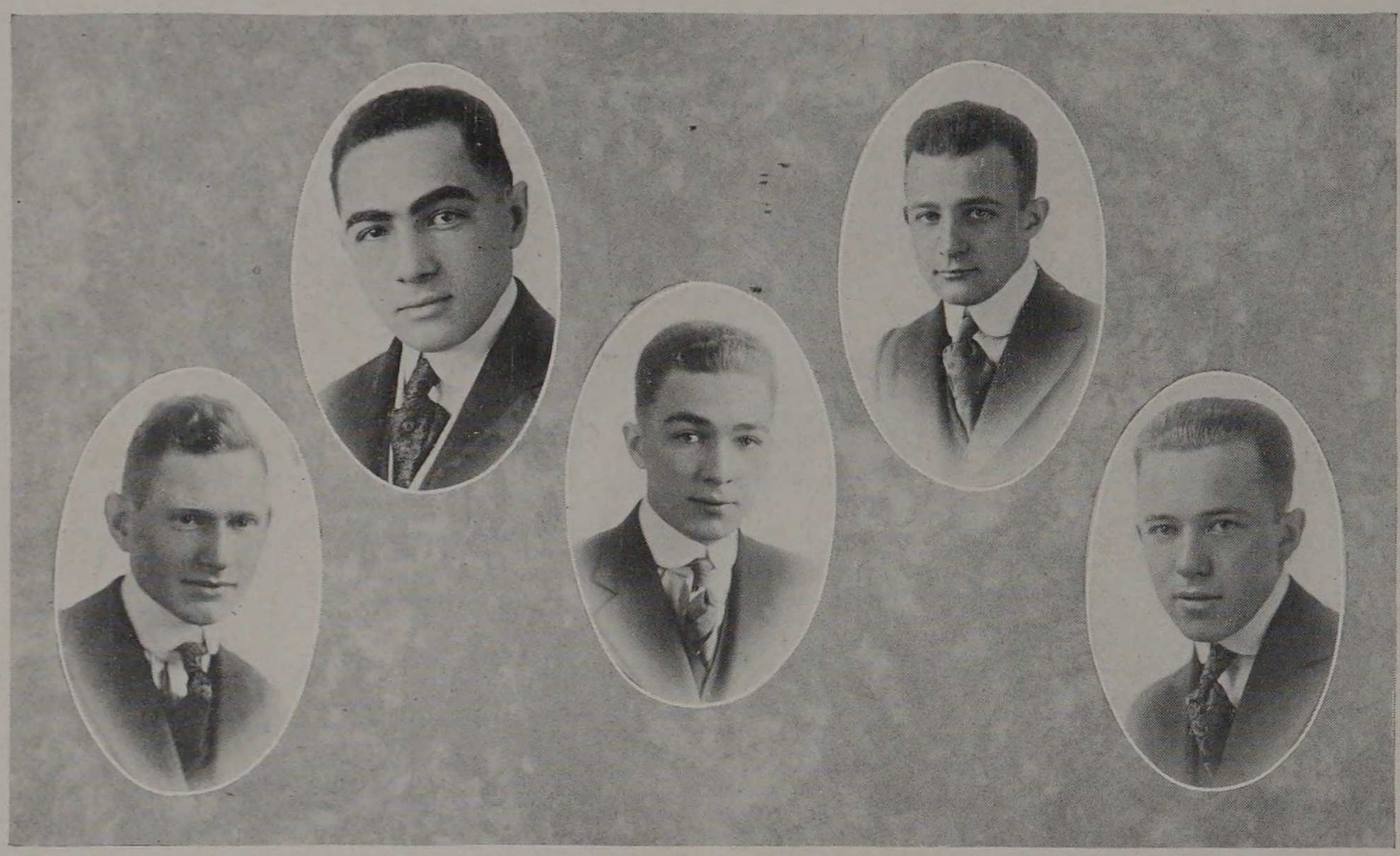
MR. and MRS. C. W. LEIGH

MR. and MRS. C. A. TIBBALS

MR. and MRS. W. G. SMITH

MR. and MRS. G. WILSNACK

The committee in charge were W. H. Rietz, Chairman, H. E. Anning, E. M. Kratz, S. W. Anderson and T. F. Sullivan.



WALLBRECHT SOSNA ECHLIN ALTER WILCOX

The Junior Dance

On January twenty-ninth, 1915, all of the Armourites who attend such functions as class dances put on their "glad rags" and betook themselves to the Colonial Club, the scene of so many enjoyable Armour dances. The reason for their going was very apparent, as one could tell from the talk one overheard. They were going to the Junior Dance, the first dance of the new year, and they all knew that they were going to have a grand good time. At the hall everything was in a bustle, and no one was sitting around. Those there couldn't very well do so with such music in the air. It simply made their feet ache to dance, and even those who didn't care a great deal for dancing, or at least professed to be indifferent and said that they were only there as a matter of loyalty, were out on the floor with the rest, enjoying themselves to the utmost.

When one first entered the club a very pleasant surprise was presented in the form of programs. Inside the pretty cover with its many stripes over an Armour seal that was just visible underneath, was the program, neatly engraved upon very heavy paper. All was bound together with a brass ring, to which was fastened a cord of gold and black. After this one expected more surprises, and surely they were forthcoming.

The music was simply great. The Delos Owen Orchestra presided over everything, and they certainly did a good job of it. They seemed to run the dances a little fast at first, but before the evening was over, everyone found out why this was done, and was glad, for every dance was included, and the program finished in the time allotted.

One thing that was noticeable at this dance was the fact that there were a large number of Armourites present who had heretofore not been among those who loyally support Armour dances, a fact that was quite pleasing to the hosts. The crowd was not so large as to make it difficult to dance, but was just big enough to make it comfortable. There is a great deal of satisfaction in having "just the right crowd" at a dance. On the whole, the Junior Dance was a grand success, and the Junior Social Committee, composed of Chairman Echlin, Wilcox, Wallbrecht, Alter, and Sosna, deserved much credit for the enjoyment they afforded those who attended.

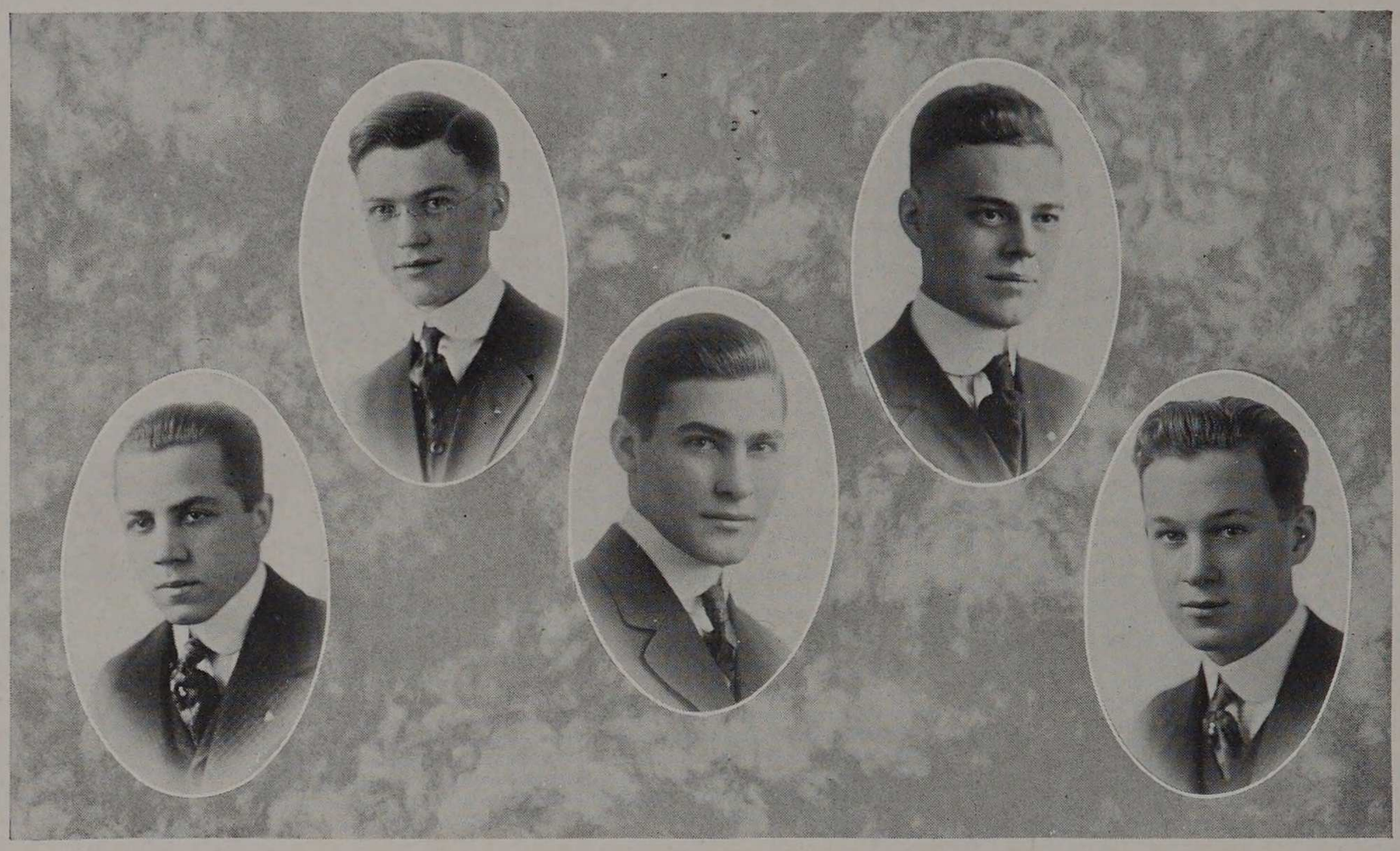


INGRAHAM
DRYDEN ANDRE PASKILL STARKEL

The Sophomore Dance

On Saturday evening, March 6th, a goodly number of Armour's terpsichorean enthusiasts gathered at the Colonial Club, the scene of so many similarly pleasant Armour functions. The event was the annual dance given by the Sophomore Class, and nineteen-seventeen, in her position as hostess was no mean contender for record honors. Each class, when it entertains like this, vies with the others in giving the pleasantest entertainment, not out of rivalry of course, but rather on account of a desire to afford pleasure to those who attend the dance, and the Sophomores certainly have the sincere thanks of all who were wise and fortunate enough to attend, for a most enjoyable evening.

This is not the right place or time to harp upon the time-worn and threadbare subject of support of such student activities, and yet there is a question as to whether it is advisable to neglect the slightest opportunity that presents itself, to press home to those who may by chance read these words, the fact that student affairs, to be successful, must be supported by students. If a class decides to give a dance, by voting so in meeting, then that class should support that dance by going. If the class votes no on the question, then we deplore the present standard of loyalty shown, but nevertheless we realize that the class is wise in voting no, if it believes that the dance would be a financial failure. Student support is essential, and if it is not present to a sufficient degree, then the holding of class dances should be abandoned.



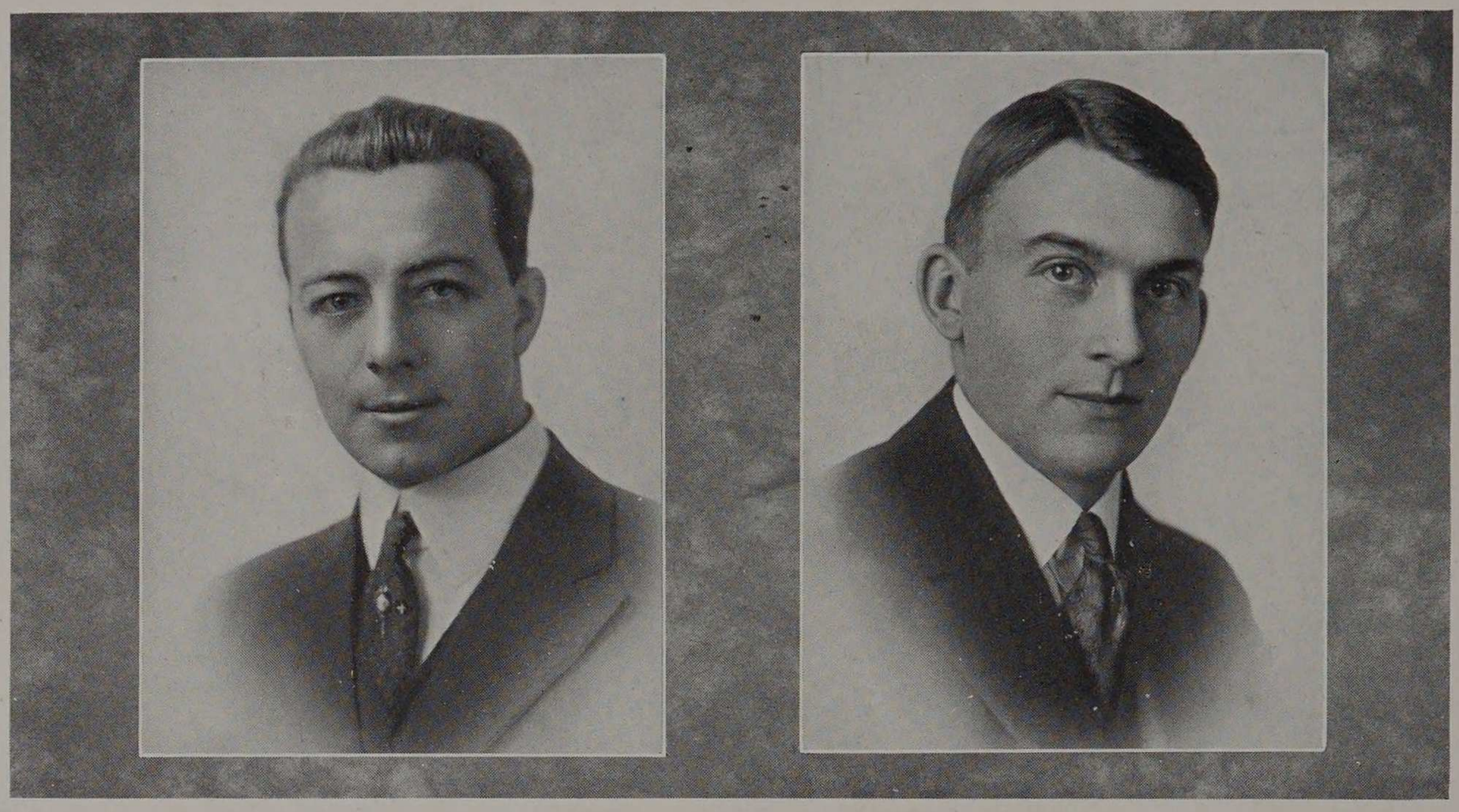
QUINN
WILSON BRETTING WIGNALL
SHOTWELL

The Freshman Dance

The Florentine Room of the Congress Hotel was the scene of the first dance at which the Class of Nineteen-eighteen were the hosts, barring their novel "Mixer Dance" in the fall, which may be properly neglected by the remainder of the college, inasmuch as it was for Freshmen only. It was on the evening of April 9th that the Freshmen made their début into Armour's social limelight, and let it be said that their introduction was pleasantly and unembarrassedly carried out, as those who were present can well certify. For a Freshman Class to execute such a deep dive into the "social swim" is a remarkable thing, and must have required the taking of several deep breaths on the part of the class social committee, composed of Chairman Wilson, and Messes. Shotwell, Bretting, Wignall, and Quinn.

To say that the evening was an enjoyable one would be putting it rather mildly, but then it would be quite an objectless proceeding for us to describe the function in detail, as all those who are at all interested in such affairs were present. Suffice it to say that a motion to hold the dance over again would be seconded and unanimously passed by all who attended. The programs were indicative of the good taste of the Committee, and the music left nothing to be desired in the way of melody, harmony, and rythm. A hearty vote of thanks is due those whose labors and loyalty made the dance a possibility, and to the Freshman Class as a whole for a very enjoyable evening.


JUNIOR
WEEK
A Godhold



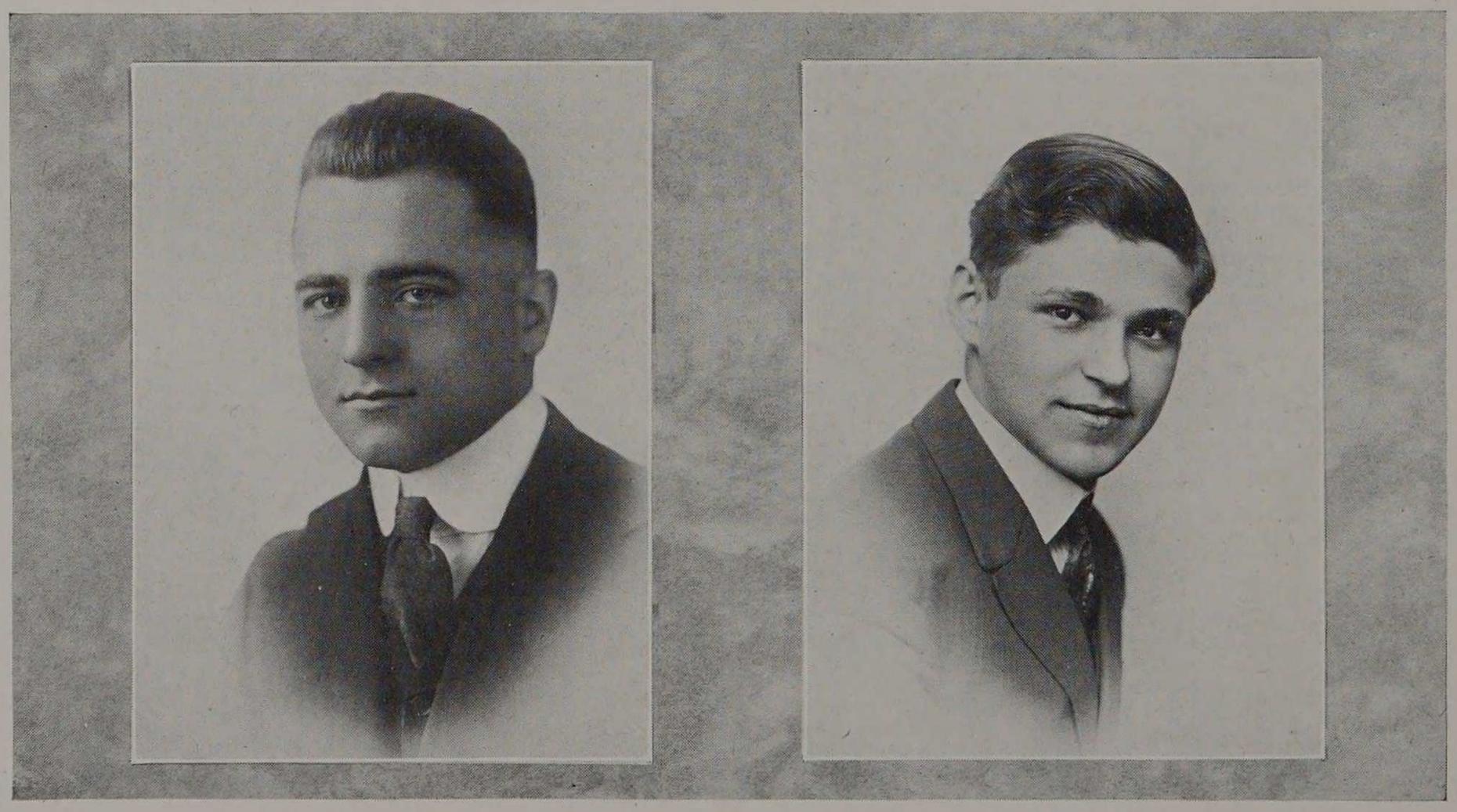
DOWNEY SPROESSER

Junior Week Marshalls, 1914

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

Program 1915 Week of May 10th

Monday - - - - - - - - - Golf Finals
Tuesday - - - - Senior Faculty Baseball Game, 2:30
Wednesday - - - - - - Junior Class Play, 8:15
Thursday - - - - Circus Day, 1:30. Cycle issued
Friday - - - - - Junior Dance, 8:30. Tennis Finals
Saturday - - - - - - - - Class Banquets.



SULLIVAN MARX

Circus Day, 1914



H, Circus Day,

Just see that mule dressed up
in pants,
See Salome do the hoochee
dance.

From a forenoon of disappointment and depression to an afternoon of contentment and joyfulness was the change everyone experienced, May 8th.

Extensively advertised, this big "Circus" was to take place Thursday, May 7th. But somehow our staff photographer forgot to take a picture of old Sol Pluvius and as a result his picture was left out of the Cycle. This made him so mad he turned on all the faucets and to say that it rained Thursday would be putting it mild. Hence the postponement till Friday and when Friday closely resembled Thursday we had that depression spoke of at the beginning. The Cycle Board, however, was not depressed and set 10:30 as the time for the distribution of Cycles. And my what a crowd at the front entrance of the Mission at 10:30.

The Cycle was very enthusiastically received and certainly eclisped any annual published to date. At 12:30 the supply of Cycles was almost gone and the rain stopped and a high wind blowing, chances for the Circus looked good. At 1 o'clock the Circus was announced for 1:30 and immediate preparations were begun. The tents were pitched—pitched out of a window maybe—the "Wallop Your Professor for a Nickel" stand was assembled; the animals (sure, animals) were brought in and at 1:30 everything was in readiness. The bleachers were filled and the costumes of the fair fannettes added color to the occasion. The "Knock your Professor Down" stand held the attention for about an half-hour during which time we noticed several members of the baseball team wallop Schommer while a certain math Prof. seemed particularly anxious to bounce Campbell. The menagerie was next visited. Of interest was an elephant, a giraffe and a couple of bears. This part was contributed by the pledges of the different fraternities and we must say that the fraternities picked a nice bunch of animals in their pledges. The band then led the parade around the field after which the three ring stuff was staged. The animals cut up their capers, the clowns and rubes pulled off a baseball game, while the middle ring contained a slack wire performer. Yes, he is a freshman. The inter-department relay was run off, the Electricals winning the flag from the Civils. And then—"Say ain't the mosquitoes awful." Sure mosquitoes, regular circus, pink lemonade, ice cream cones and marshmallows. But here listen—"The batteries for to-day's game—Leyden and Leigh for the Faculty; Goetz and Carnahan for the Seniors. And the battle royal was on. For six innings they fought, neither with the advantage, but history was due to repeat and when "Long John" hit one a mile with two on the bases it was good-bye Seniors. Therefore the Score Faculty, 9; Seniors, 8. And thus ended Armour's most enjoyable Circus.











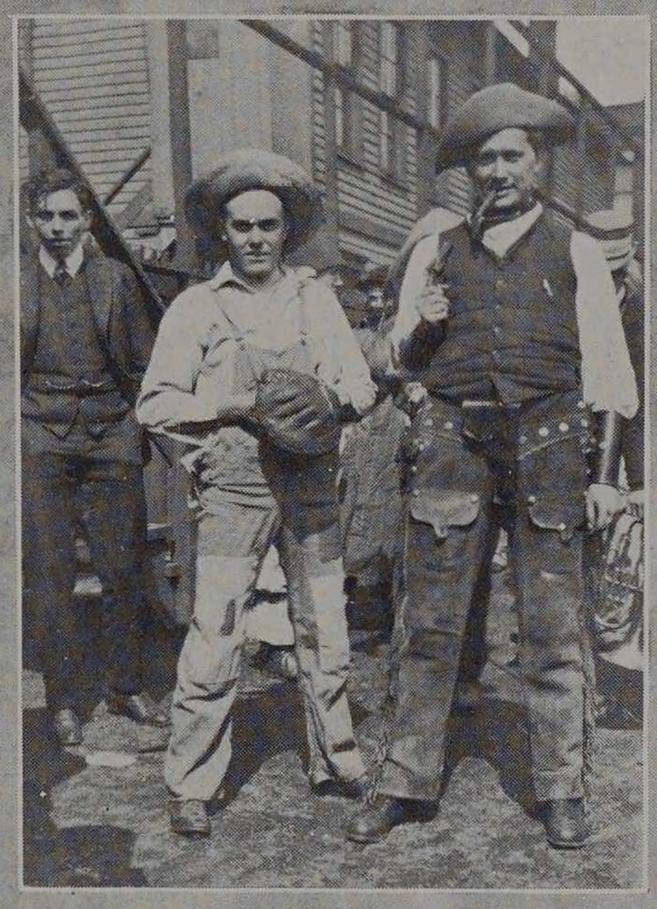




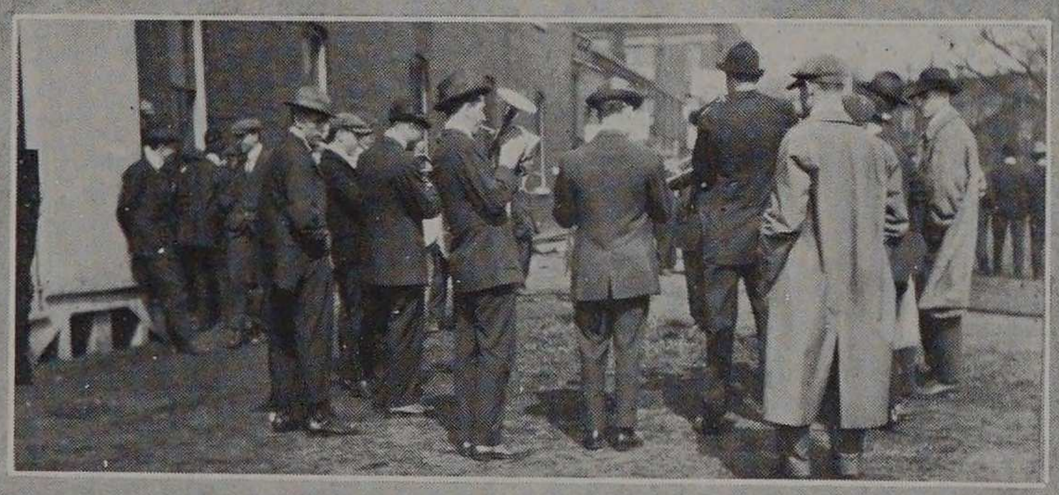


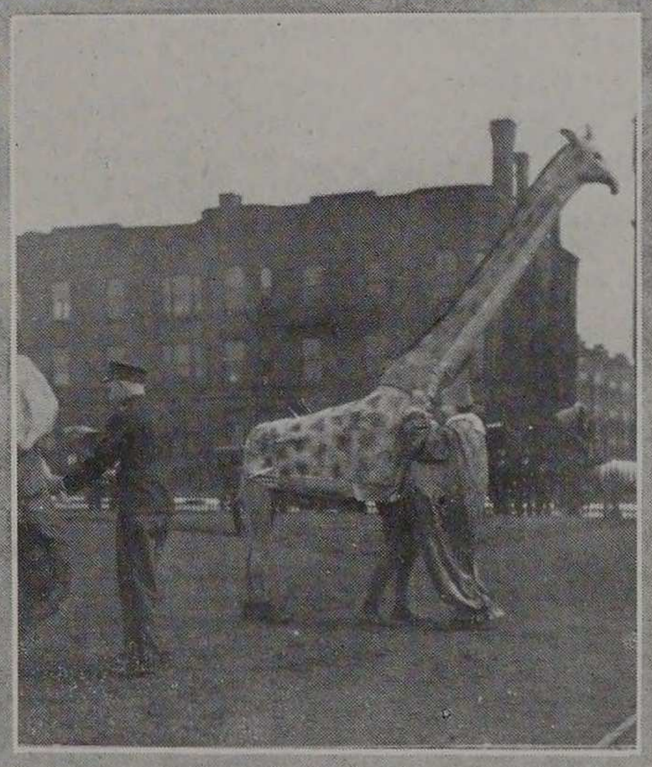







Cracker Jack







The Fascinating Fanny Brown

Say fellows, jever have a girl of your dreams? One that you had seen only in the smoke from your pipe, but never in real life, and when you thought you had found her in real life you were stung. Such a creation of the imagination was Fanny Brown who appeared at the mission on May 5, in the Junior play. The plot was something like this: Billy Pearson was madly in love with Dorothy Dudley, a guest at Percival Gale's summer hotel, but thought that she was only lukewarm in the return of his love. He told his troubles to Gale who advised him to create a fascinating Fanny Brown in Omaha with whom he should correspond and then tell Dorothy about it and make her jealous. Dorothy gets wise to the scheme and double crosses them when her brother, Henry, comes to "Idle-wild." He dresses up in woman's apparel and makes things exciting for a while. When Billy has been sufficiently chastised the disguise is dropped and they live happily ever after.

G. W. Sprosser, as Percival Gale, made a hit as a successful and dashing young hotel proprietor. He came dangerously close to losing his own beloved when he proposed to help out his friend. Billy Pearson, the only young man at the hotel, was carried to the clouds by F. H. Wagner. Old Texas Hans just had to be natural, and he is some fusser, too. Fred copped the berries all right. Henry Dudley was the boy who took the part of the Fascinating Fanny Brown, and he took it with style. His indiscretionate remarks from the bedroom when it was supposedly occupied by a young lady caused much merriment to the audience. He was a typical College Junior. Around Armour we call him J. J. Windsor. L. S. Downey came and took a turn at a dance in the role of Chas. Baxter. Syd Shaffer did credit to the environment in which he has been for the last three years, more or less. Syd was a colored man-of-all-work. A. N. Grossman was well suited to his part, as the boisterous Dr. Spaltenstein and took it well. Amongst the fair ones at the hotel were Dorothy Dudley, Florence Howe, and Audrey Caldwell, which parts were taken by G. T. Clarke, C. D. Wight, and F. N. Compton respectively. To see Charlie Simmons about the school one would not take him for an actress ordinarily, but that's where we do not detect genius. As the superstitious, credulous and irritable Mrs. Moffet, Charles made an exceptionally good interpretation.



JUNIOR PLAY CAST

Shaffer — Wight — Sproesser
Compton — Windsor — Grossman — Simmons — Clarke
Downey — Bagg — Wagner

The Fascinating Fanny Brown

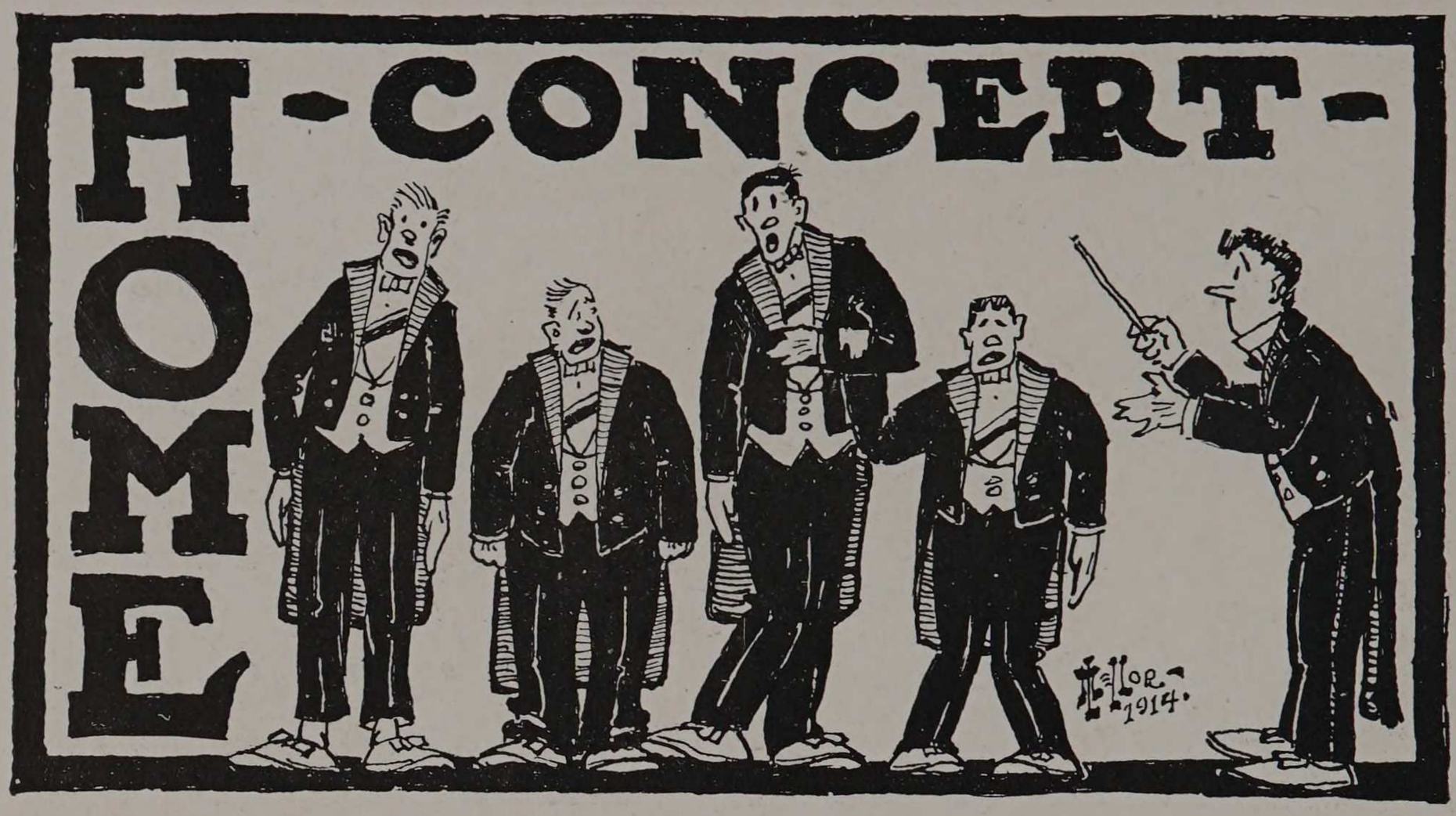
A Farce — By Helen Bagg

Persons in the Play

Percival Gale, who keeps a summer hotel		G. W. Sproesser
Billy Pearson, the only young man at the hotel		F. H. Wagner
Henry Dudley, a college Junior		J. J. Windsor
Charley Baxter, who lives in town		L. S. Downey
Joe, the man of all work		Sydney Schaffer
Dr. Spaltenstein, who writes for the newspapers		Al. N. Grossman
Dorothy Dudley	*Guests at the hotel*	G. T. Clarke
Florence Howe	*Guests at the hotel*	C. D. Wight
Audrey Caldwell	*Guests at the hotel*	F. N. Compton
Mrs. Moffett, a neighboring cottager		C. R. Simmons

Act 1. Afternoon, The living room at "Idlewild," a summer hotel.

Act 2. Evening. Same scene.



Glee and Mandolin Club Concerts

One of the most successful concerts on the musical record of Armour Institute, was given on Friday evening, December eleventh, 1914, in the Auditorium of the Armour Mission. A joint program was rendered by the Glee Club of the University of Chicago and the Glee and Mandolin Clubs of Armour Institute. This was the first concert in which Chicago and Armour appeared together, and the results were so pleasing and satisfactory that it is to be hoped that many such concerts will follow. Indeed, according to those who were present, it would be a splendid thing if the joint concert were made an annual affair, the two institutions alternating as hosts. This was the first concert of the year for the Armour Clubs, although Chicago had appeared before, and the work done was indicative of the time and labor that the men had expended in preparing the program.

Included in the program were several novel numbers, which were greatly appreciated by the audience. The Armour singers opened the program with two new Armour songs, "Upward and Onward, Armour," by I. H. Sevin, '14, which took second prize in the Rooters' Association Contest last year, and "Yea Armour," by W. G. Smith. Among the Chicago Club's numbers were "Night Witchery" and "Rockin' in de Wind," which were very well executed. The Mandolin Club presented a very good interpretation of Offenbach's Barcarolle from "The Tales of Hoffman," and also two stirring marches, disproving the supposition that the Mandolin Club was on the decline. The program was very well balanced, the Chicago Club tending more toward the serious and heavier music, and the Armour Clubs rendering lighter selections running in a rather comic vein. Such numbers as "Little Cotton Dolly," "The Math Profs at Armour," and "A Footlight Fancy," seem to take very well with the audiences that assemble at Armour Concerts. Among the specialties were a negro exhortation by Mr. George of Chicago, a "Song Without Music" by two of the Chicago men, and "Good Night," a very well executed number by the combined Glee Clubs.



The Freshman Handshake is another of the fixed Armour events toward which we all look forward with pleasure each year. For a long time it has been the first social event of the school year and has fulfilled the function of bringing together all of the men, both new and old, for a good, jolly social time of getting acquainted. The "Handshake" is held under the auspices of the Armour Department of the Young Men's Christian Association.

The "Handshake" this year was held on Friday, September 18th and was without doubt the best ever given. Instead of being held at the Armour lunch room as in previous years, arrangements were made with the Hyde Park Department of the Y. M. C. A. to hold it in their building and thence the Armour men came over three hundred strong to enjoy a good time together and get better acquainted. The entire Hyde Park building with its equipment was turned over to the Armour men during the evening and if anyone did not have a good time it was his own fault.

The first part of the evening was spent in getting acquainted. Each man was tagged with a letter signifying his class when he entered the building and the large lobby gave ample room for the fellows to mix thoroughly. Following this, a short program was given in the auditorium. The speakers were Mr. L. Wilbur Messer, General Secretary of the Chicago Y. M. C. A. and Dr. George L. Scherger. The Armour Glee Club sang a number of their "hits" and were well received as usual.

The program was made short purposely in order to give plenty of time for the events which were to follow. The first stunt was a series of inter-class basketball games in the gym. Teams had been previously picked to represent each class and ten-minute games were played, the defeated teams being eliminated each time. The prize for this contest went to the Sophomore Class.

Following these basket ball games were contests in swimming and in fancy diving. There was a large number of entrees for these events, and they were very closely contested. Professors Wilcox and Smart acted as judges. Awards were won by Claude Hill, Maurice Wilcox and Trinkhaus. In all these events, the prizes consisted of Armour pennants.

While these games were going on, those who were not watching them, were busy at the billiard or pool tables, or in "feeding".

In everything, the men showed the true Armour spirit, and so thoroughly did they enjoy themselves that it seemed for a while that they had forgotten about going home. "The Handshake" was without doubt the best ever held and the way in which it was appreciated by the fellows makes us hope that similar events may be in store for us in future years.



Friday evening, the fifth of February, saw another Tech Night come into existence and die out. To the outside world it is all over, but to us who had looked forward throughout the whole year to the coming of Tech Night, it was another big time to put in our calendar and never forget. Characterized by the carefree abandon and general good fellowship that is the primary virtue of such events, when college men, no matter from what institution they come, get together, Tech Night is a night to be remembered.

Owing to the difficulty in getting reservations, (the theater managements seemed to have a peculiar and inexplicable aversion to entertaining a bunch of Armour men), we were forced to be content with accomodations in the balcony of the Palace theater. This fact offended some, but toward the end of the evening the disgruntled ones found that the view from the balcony was very good. Along this line we would like to know just what it was the Joe Sullivan carried around under his arm for a week before this wonderful night. It had something to do with the program for the night, but only a select few knew what it was.

There were about two hundred loyal Armourites in the balcony that night, waiting for something to happen. It did. All was quiet until some Sophomore (how do we know that it was a Soph?) started applauding everything that was said or done. All soon followed his example, and made the old place ring, whether they liked the bill or not. Ah! but then we awoke from our dream, only to see another??? We certainly did like Dainty Marie. She may not have been what she seemed, but we did not care. Besides other things, she was very clever on the rings and swinging rope. Well, it is a sad story, but Marie had to leave us. We didn't care for any more, and so we left also, but not before we had given the good old Armour yell. Here's to another Tech Night, fellows, bigger, better, and full of pep!



"Smoker Snap"

The Freshman Smoker, November 20, 1914

That my readers may more fully comprehend the extent of the dire calamity which befalls every college each fall, it is necessary that I give a description of the horde of barbarians entering college in September. A certain race of young imps being very much given to indulge their own opinions on all manner of subjects (a presumption extremely offensive to your free government in college) do most presumptuously dare to think for themselves in matters of personal conduct, exercising what they consider a natural and unextinguishable right: viz. the liberty of conscience. As, however, they possess that ingenious habit of mind which always thinks aloud, which rides cock-a-loop on the tongue and is forever galloping into other people's ears and not giving their own any chance, it naturally follows that liberty of conscience leads to liberty of speech which being exercised soon puts the college in a hubbub and invokes the wrath of President and Dean. The usual methods are adopted to reclaim them, which are considered efficacious in bringing back stray sheep—they are coaxed, admonished, menaced and they are buffeted, line upon line, precept upon precept, lash upon lash, here a little, there a great deal, but, however, without success. But it seems no one thing can subdue that invincible spirit of independence which ever distinguishes this strange type, so rather than submit to such horrible tyranny they annually embark to the smoker, where by fistic combat they hope to persevere in order that they might enjoy unmolested the inestimable luxury of talking and associating with their fellow students on an equal footing.

It is early in the year and immediately after the arrival of a bounteous check from home that the final arrangements are made for the smoker. The smoker itself is typical of such affairs; humdrum, dry poor pipers and tobacco along with poorer entertainment. But it is not of the smoker I am to write, it is of the Rush which takes place in the hideous glare of arc lights and in the less frequented parks. And in this I shall be guided by the spirit of truth and impartiality and a regard to immortal fame, for I would not dishonor my work with a single falsehood, prejudice or misrepresentation though it gained for all students for all time the unmolested privilege of fighting out their grievances.

I am extremely sorry that I have not the advantages of Levy Thueydide, Plutarch and others of my predecessors who were furnished, I am told, with the speeches of all their great orators, generals, and emperors, taken down in shorthand by the most accurate stenographers of the time, whereby they were enabled to wonderfully enrich their histories and delight their readers with sublime strains of eloquence. Therefore, not knowing, I cannot say what the tenor of the various speeches were on the night of this particular smoker. Suffice it to say that there was tremendous shouting, whistling and preparation for a bloody battle. Recruiting parties ran hither and yon calling lustily on all scrubs, runagates and tatter damalious to come out for the cause of glory. But notwithstanding all this martial rout, the ranks of honor were but scantily supplied.

At this point, as a guardian of their fame, it behooves me to do the sophomores justice and if I happen to be a little hard on the freshmen I give free leave to any of their descendents who may write of the Sophs to be as hard as they please.

Therefore, stand by for broken heads and bloody noses. No sooner do the classes reach the field than they take their positions, but no word of surrender is asked. An upper classman announces the nature of the battle and the various leaders exhort their men to furious combat. The signal being given, the rush for the mid field made earth tremble. The Sophs and Frosh met—the Frosh falling on the Sophs tooth and nail and with furious outcries. And now the combat thickened, each side pressing forward with many a flustering oath. The din became horrid: the struggle desperate; the ferocity maddening; the desperation frantic; and the confusion and self-abandonment that of war. Frosh and Soph comingled, tugged, panted, and blowed blows, kicks, cuffs, scratches, blackeyes, and bloody noses swelled the horror of the scene. Thwick, thwack, cut and hack, helter skelter, heggledy piggledy, hurly burly, head over heals, rough and tumble, dunder and blixen swore the Sophs. Splitter and splutter cried the Frosh until all voices became unintelligible, grunts of pain, yells of fury, shouts of triumph, comingled in one hideous clamor.

Long hung the contest doubtful till finally the nearly upper classmen perched on a nearly knoll perceived the trend of battle, called a halt and gave the victory to the Frosh and suggested chop suey as a fitting close to the horrid fight.

I have to quit here but the reader cannot imagine how mortifying it is to the writer to have in this manner his hands tied. Many were the opportunities I had to wink at, where I might have made as fine a hero as any recorded in history or song.



ATHLETICS
L.E.TWEEDY '19

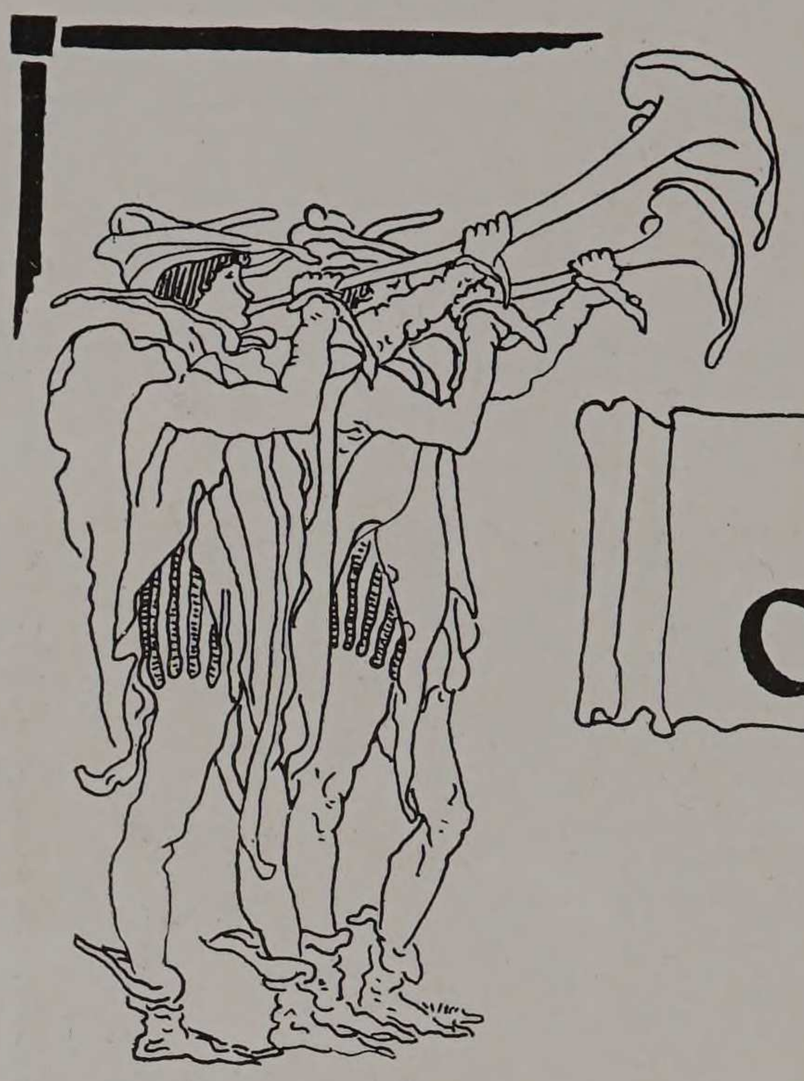
Board of Athletic Control



H. W. Raymond
F. U. Smith
A. S. Katzinger '16

F. G. Cooban, '14
W. K. Smart
C. W. Leigh

L. C. Monin
H. B. Thomas
L. A. King, '17



WEARERS OF THE ·A·

H·V·Vader

ALTER
Track—1913, 1914

BRUCE
Baseball—1914

BROMAN
Baseball—1914

COOBAN
Baseball—1912, 1913

CHAMBERLAIN
Baseball—1912

HOOK
Baseball—1912, 1913, 1914

HIRSCHFIELD
Track—1912

HILL
Baseball—1914

HALL
Baseball—1914

MOUAT
Basketball—1915

KING
Basketball—1914, Track—1914

KATZINGER
Basketball—1913, 1914, 1915
Baseball—1913, 1914, Track—1913-14.

PASKILL
Baseball—1914

SULLIVAN J. E.
Basektball—1913, 1914, 1915
Track—1913, 1914

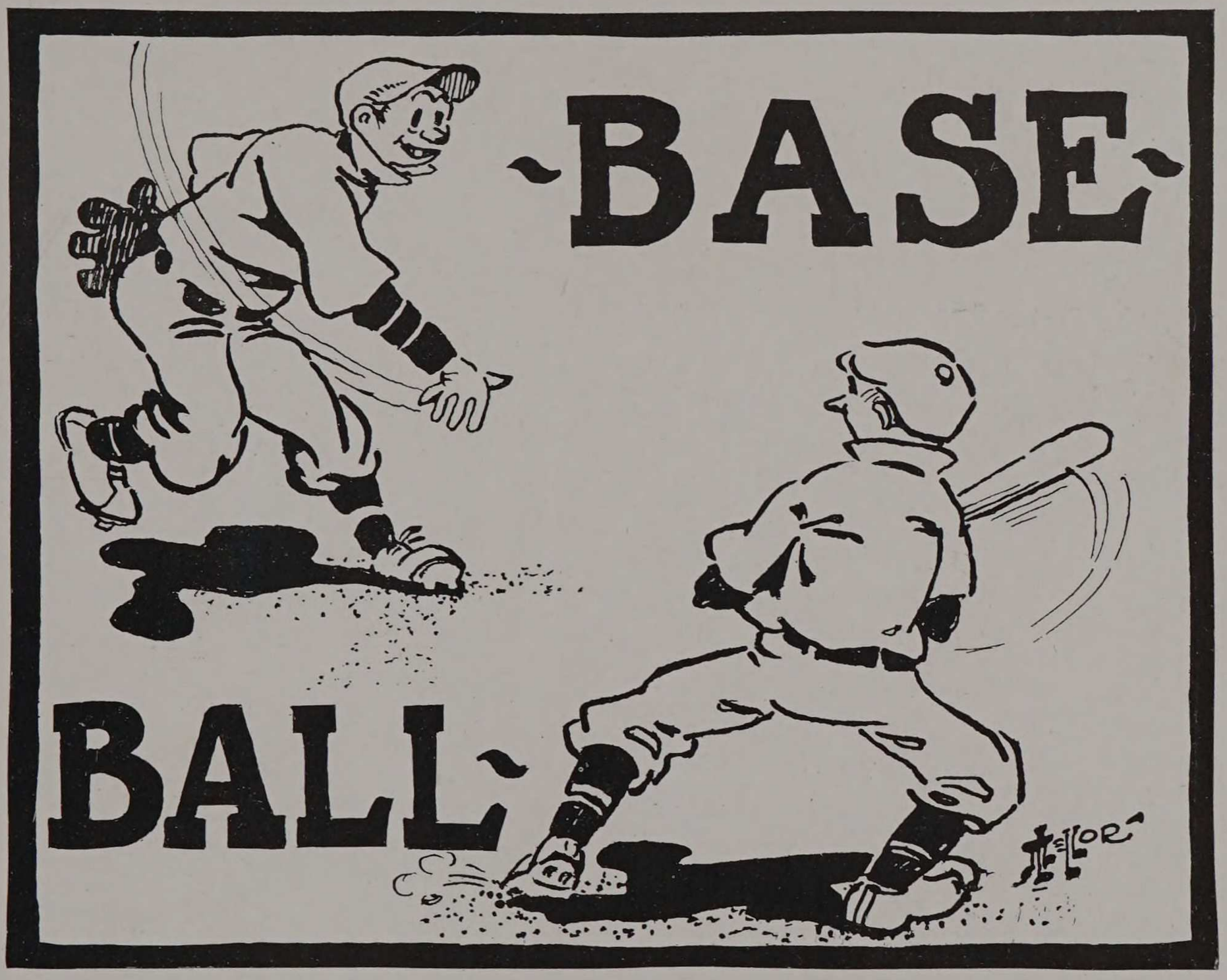
SULLIVAN
Baseball—1912, 1913, 1914

SOMERS
Track—1913

TRINKAUS
Baseball—1913, 1914
Track—1913, 1914

TIERNEY
Track—1914

SANDROFF
Basketball—1915


BASE
BALL
SELLOR

The Baseball Team, 1914

John Schommer	*Coach*
Leonard D. Hook, Captain	*Center Field*
George Trinkaus	*Right Field*
B. Herman	*Left Field*
Reuben Paskill	*First Base*
Arthur Katzinger	*Second Base*
Thomas Sullivan	*Shortstop*
Howard Bruce	*Third Base*
Claude Hill	*Catcher*
Allan Carver	*Pitcher*
John Broman	*Pitcher*
John Clay	*Pitcher*
Kenneth Hall	*Utility*

THE TEAM

Behold! Ladies and gentlemen, we have with us today Captain Leonard Hook, of the Armour Institute baseball team. Look upon him in wonder; look upon him with pride, you denizens of Gray's Lake, Illinois, from whence he bloomed forth; look upon him with such satisfaction as we have in naming him the successful captain of our successful team.



The foregoing may have only whetted your curiosity, so we shall have to tell you a few things about this regular Armour man. Hook won his "A" playing baseball during his Freshman year, and since that time we have christened him the Ty Cobb of the Little Five Conference. When it comes to fielding, he is our pride and joy for he never fails to bring them down, be they easy flies or hard hit liners. For three successive seasons he has won his "A" playing baseball. So let's give nine rahs for Hook, fellows; we all like him and we certainly shall miss him next season, for he graduates this May.



Thomas Jerry Sullivan—gaze at his countenance, dear reader, and then at his full name as written above. Does it not suggest something to you; don't you feel that spring-feverish baseball thrill run up and down your spine when you allow its suggestiveness to grip you? Was there ever anything any more Irish and baseball-like to look upon and to dream of. Yes, and our own Tommy Sullivan fulfills your wildest dreams in that respect. He is a king among shortstops, and for three seasons we have had the pleasure of seeing him digging them out of the dirt between second and third bases. His fast rushing pickups and quick underhand snap throws over to first in time to put the runner out have given him the title of "speed boy." And he bats them out some, too. Many a time have we seen him push one over the center field fence. He is now playing his fourth year, and is Captain of the team. We figure that it will be a long time before we will get someone to fill his position.

George Trinkaus is another Senior whom we shall miss after this season is past. "Brainy little Georgy" is what we call him around the Institute, and a brainier little outfielder never played. He has led off the batting list for two years, now, since he broke into our big league. He never failed to get on the first sack a few times in each game, and he always finished up the season with a good batting average. As for base running and clean clever fielding; he had no equal. An all-round good fellow as well as a good athlete, we certainly shall miss him when he graduates.

A poor hard working, terribly overworked Senior is this fellow, Cooban, in fact, his work was so heavy that after he won his letter during his Freshman year playing on our ball team, he had to stop and confine himself to school work only. And a pity it was, because we certainly could have used "Duke" Cooban. He alternated between catching Don Hamilton's fast ones and playing in the far garden.

And, by the way, did you ever hear of the reason he was called "Duke"? The fair sex, when they came out to the field to watch the Tech win games, always spoke of him as being the prince among ball players, so they named him Duke. But whatever his name, we wish that he had been able to continue his career as a ball player for he was always there when needed to drive in the winning run.

The fifth member of our ball team whom we lose by graduation is Chamberlain. He unfortunately became sick after his first year of playing, when he succeeded in winning his "A". It was a sorry day for Armour when he was forced to give up athletics, for he was one of the finest infielders that ever wore a cleat. During the year that he played for the Institute he put up the classiest brand of ball seen on Ogden Field for a decade. We take off our hats to Chamberlain and assure him of our sorrow to see him leave.



Yes, that's the reason, he says he looks better with his cap off so we just had to let him have his way. And we should all, everyone of us, doff our caps to our own "King" Katzinger. A considerable king, and in more ways than one, is this man Katzinger and right here let ye Ed remark that is considerable task to rightly eulogize his achievements.

Katzinger is our "Keystone King" and his style and grace around the 2nd sack most likens him to the peerless Napoleon Lajoie. A strong batter is Katzinger and the placing of him in the lineup, in his freshman year, rounded out the Tech's Championship Team. Katzinger has won his "A," the first two years; we expect and earnestly hope to see him cavort around the middle sack the next two years and so we leave "King" Katzinger as a ball player but to return and in another division tell of Katzinger as Captain of our Basket-ball team and as holder of the Conference record in the broad jump, etc.

Four years ago, next September, there wandered into our halls of fame a shy little stranger by the name of Herman. He looked, and, we guess, felt out of place surrounded by walls of learning. But it did not take him long to find a place to camp, for he was a baseball player. So from then on he was a made man, nick-named "Dutch" because of his Irish face. He played in the outfield for the Tech that year, and every year since then; a maker of wonderful stops and a yearly batting average of .350. We are thankful that Dutch has a few more years to be with us (he finds difficulty with mathematics) for we need him in our lineup.

No doubt there are many of the Armour men still in school who remember Joe Lindquist and incidentally the way he used to play ball. If any of these men should go out and watch the varsity team in action, they will undoubtedly agree that a second Joe Lindquist is picking off the hard ones around first base. Then, if they stay around until batting practice and watch that boy Paskill hit over the right field fence, they will think even better things than that.

Paskill played on the varsity during his Freshman year, and had no trouble locating there permanently. A hard-hitting, fast-fielding player; always in the game, he has won the hearts of baseball rooters. All that he has to do is to continue playing the brand of ball that he put up for his first year and we will rest assured that the right side of the infield will be impregnable.

Bruce is another man who played and won his letter during his first year at the Institute. He holds down third base and all the territory around there in great style. Having a world of experience when he came to Armour, the moment he stepped into the batters' box and started punishing the rawhide he made our Coach sit up and take notice. He more than filled the boots of Charlie Spencer, since, in addition to brilliant work as a fielder, he is a slugger from the word go.

Official backstop, fence buster and filibuster is Claude Hill, and let us say here that he is the only one of his kind in captivity. What we mean is that Hill is one of the best catchers in the colleges, in fact, the best in the conference, and we claim that as sufficient reason for stating that he is the only one of his kind in captivity. Rest assured that we shall keep him thus for his remaining season. He is a corking good batter, and that accounts for the fence buster. We call him filibuster because we know that he steals the hearts away from the fair sex. But at any rate, we know Claude's ability as a ball player, and we hope that he plays as good ball in the future as he has in the past. That will satisfy us perfectly.

Did you ever happen to look out on Ogden Field during the baseball season and wonder who that small dainty creature was; the one who stands about six feet, two, in his stockings? Well, his name is Long John Broman, and he is the official varsity twirler. An ungainly figure, his, but a tower of strength in the pitcher's box. He has a world of speed and endurance, and, with a little more help from Coach Schommer, has the makings of a big league pitcher. His curves are of the fast-breaking variety, and he certainly retires the batters fast. He has two more years to go, and we predict great things for him.

Hall is another Freshman who won his letter during his first year at Armour. He acted as general utility man and pinch hitter. The feature of Hall's work was that when called upon to hit in a pinch he really did so; something rare in pinch hitters. He has four more years to go, and if he improves a little each year, he should be invaluable to the team.



We have written up our athletes in glowing terms, and let us assure our readers that all that is said is real and not fiction. Each player may have his faults, but our readers should remember that our book is a volume of good things, and the pleasant thoughts which are here penned should be accepted in a spirit of good will toward all. The men have their faults, we have said, but their good qualities more than compensate for their failings. They are all good clean sportsmen, fighters, every one of them, we all know. They have gone through victory and defeat. As victors we see them as quiet unobtrusive gentlemen, and as the latter, good losers. So why not give them what they deserve for serving our dear Alma Mater in the fields of contest? Give them cheers; give them praise, fellow students; give them honor, and the fruits of their labors, the love of their fellow-students.

Baseball Season, 1914

Losing the last game of the season by a narrow margin, the team finished fourth instead of second in the Little Five Conference race. Lake Forest, by winning six games and losing two, finished first, with Beloit, and Knox tied for second, each having won four and lost three. Monmouth finished last, losing all of her games.

To start the season, Coach John Schommer had four big holes to fill, having lost Capt. Spencer, first baseman Joe Lindquist, pitcher Hamilton, and catcher Kann, through graduation. Claude Hill succeeded in developing into a first-class catcher, while from the Freshman, Paskill was selected to take Joe Lindquist's place, and Bruce made the third base position. The hole left by Don Hamilton was never filled, and this is probably the reason why the team did not annex another championship.

Schommer had Captain-elect Hook and six veterans to start the season with, and a very good quantity of Freshman material. "Bugs" Carver, our star pitcher, was back in school, while Katzinger and Sullivan, at second and short, had seen service before. In the outfield he and his full strength in Hook, Trinkaus, and Herman. Hill as catcher, Paskill as first baseman, Bruce as third baseman, Hall a utility infielder, Broman as pitcher, and Clay as pitcher and outfielder were the new men to earn their "A".

Practice started about March 1, when Schommer issued a call for all candidates for the team to report for practice in the gymnasium, and about forty men reported. When the warm weather set in, the men were in fairly good condition.

On April 9, the team journeyed to Northwestern University to play the first game. The weather was cold and the wet field made good baseball almost impossible. Armour was beaten 10 to 9, after a great ninth inning rally which tied up the score. Broman started the pitching, but was yanked when he began to "blow up," and Carver sent in.

The next game was with the University of Wisconsin at Ogden Field on April 11. Carver had a comparatively easy time beating them 4 to 2. Paskill was the leading batter, with three safe ones, while Trinkaus was next with two. Bruce, Sullivan, Hook, Hill, and Carver each produced one.

Hanneman College came down to play the team on April 13, and the game resulted in a runaway for Armour. The score at the finish was 18 to 5. Almost everybody hit the ball for us while Clay and Broman held down our opponents.

On April 15 we again tackled Northwestern University, this time on Ogden Field, and were beaten, 10 to 8. Broman's pitching was poorly supported by his team mates, both in the field and at bat.

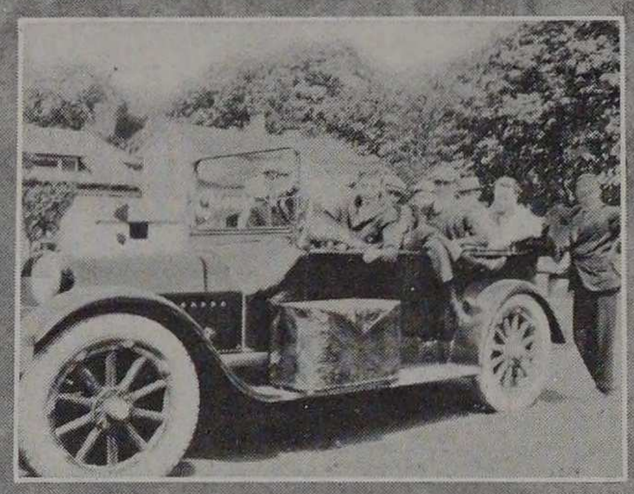
The team went down to South Bend, Indiana, on April 18, to play Notre Dame. The games was played in a Kansas blizzard and, being opposed by Kelly, the big leaguer, we were defeated, 5 to 1. Carver and Kelly staged a pretty pitching duel after Carver got used to conditions. Notre Dame scored their runs in the first two innings. Kelly retired in the sixth in favor of Berger, off whom we made our one run. With the bases full in the eighth inning, Bruce spoiled a budding rally by being caught asleep off third base.

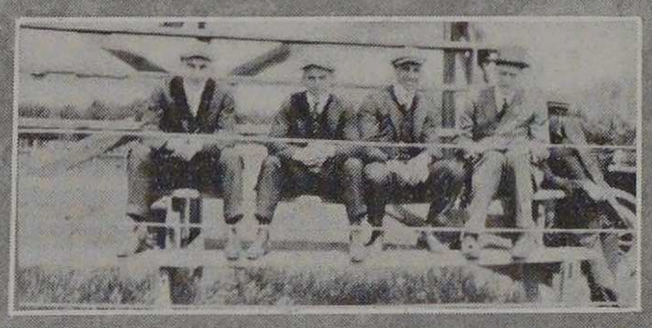
The team opened the Little Five Conference season by defeating Lake Forest, 9 to 3, at Ogden Field on April 28. The game was rather one-sided, Carver holding his opponents to three hits while we made thirteen off Ralph Krueger. Carver did not allow a man to reach first base until the eighth inning. Paskill, with four hits, Katzinger, with three, and Trinkaus, with two, were the sluggers.

We next went down to Monmouth on May 1, and put another game in the win column, this time 3 to 0 in eleven innings. Carver and Wasson staged a pretty

ATHLETICS

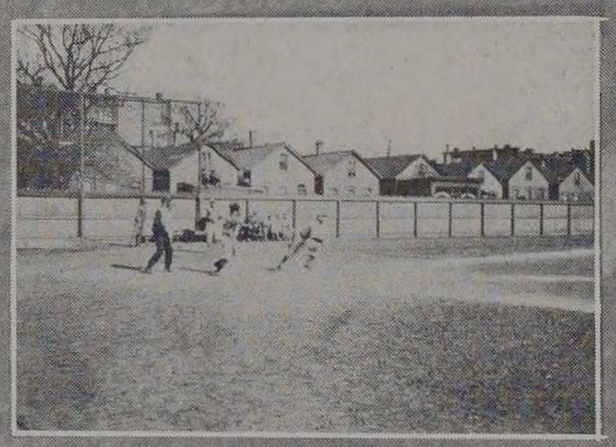


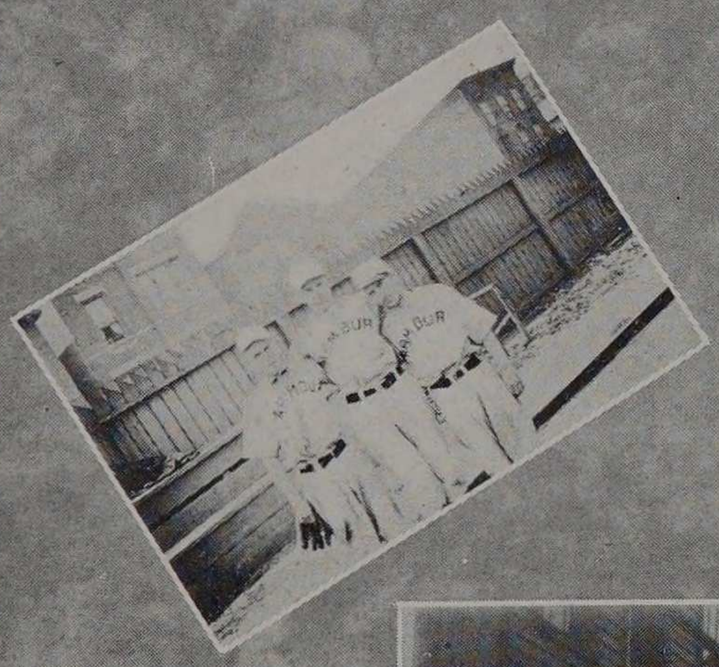




















shutout battle until Sullivan hit a double to left, scoring Hall and Bruce. He then stole third and scored on an error. Carver allowed Monmouth but four hits, while we made nine off Wasson.

From Monmouth, we went over to Galesburg to play Knox College the next day and just as things were looking bright for another championship we were beaten, 7 to 5, in a poorly played game. Each team made six hits, but Armour contributed ten errors, which lost the game. Carver started the game and was relieved by Broman.

Our old enemy, Northwestern College of Naperville, came down to play us on Ogden Field on May 6, and beat us, 4 to 2. They made all their runs in the first inning and Armour could not catch up to them. Bruce featured the game by stealing two bases.

Monmouth came down here on May 16 with full intentions of trimming us, and had Wasson primed for the fray. He did not last long, however, and we won, 7 to 2. Trinkaus, Paskill and Katzinger were the ones who made life miserable for Wasson. The team fielded in faultless style behind the great pitching of Carver.

Our pennant hopes were again beginning to ascend when we went up to Lake Forest and played the worst game of baseball ever played. The score on both sides was so large that the exact number of runs will never be known, but from the score book we figured out that it was about 26 to 12. Three Professors from the Institute went up to see the game but left during the fourth inning, disgusted. Everybody made errors, including Sullivan, who made so many that they could not get them all on the score book. Schommer put up the flag of truce in the seventh inning and went home.

The team ended the season by going down to defeat before Beloit College at Beloit, May 20. Carver got into a hole in the first inning, and a couple of errors lost the game. The final score was 10 to 8. We staged a big rally in the ninth inning, scoring five runs but could not get the other three.

We had games scheduled with both Knox and Beloit at Ogden Field but, owing to some misunderstanding, they were called off. If we had played these two teams we would probably have finished second instead of fourth.

Nearly every game which the team lost was lost in the first inning. If we could have left out those first innings we would have won the championship, hands down. That is our only alibi.

SCHEDULE OF GAMES

April 9—Armour vs. Northwestern University	9–10
April 11—Armour vs. University of Wisconsin	4–2
April 13—Armour vs. Hanneman College	18–5
April 15—Armour vs. Northwestern University	8–10
April 18—Armour vs. Notre Dame	1–5
April 28—Armour vs. Lake Forest	9–3
May 1—Armour vs. Monmouth	3–0
May 2—Armour vs. Knox	5–7
May 6—Armour vs. Northwestern College	2–4
May 16—Armour vs. Monmouth	7–2
May 18—Armour vs. Lake Forest	12–26
May 20—Armour vs. Beloit	8–10

Games Won

Armour 6; Opponents 6

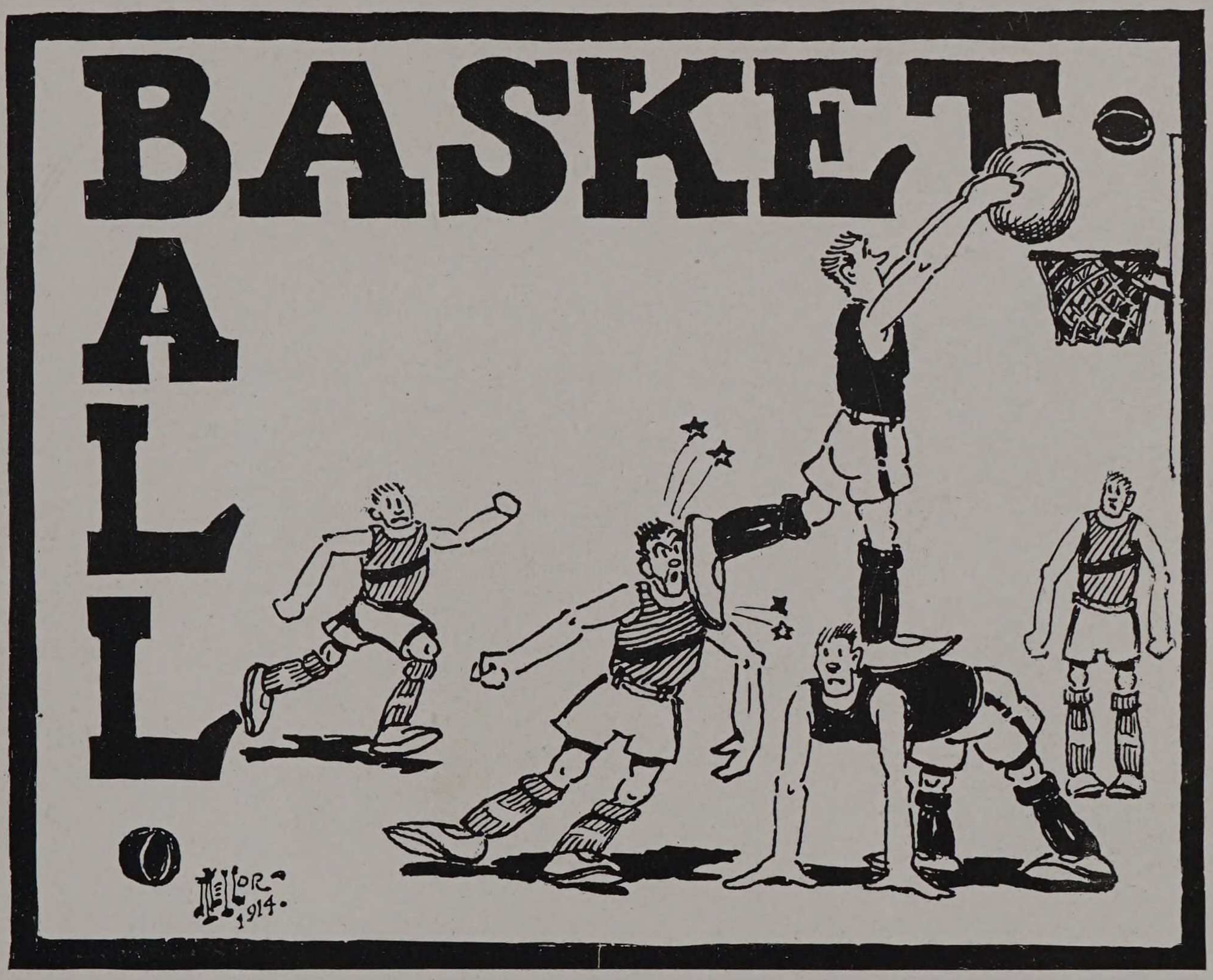
Baseball Team, 1914



Coach Schommer, Herman, Paskill, Hall, Hook, Trinkaus, Broman
Hill, Clay, Bruce, Sullivan, Katzinger, Leyden

Conference Games of 1914---Averages

	P	AB	H	R	BB	HP	SH	OP	TP	HR	BA
Katzinger	3	10	6	5	5	0	0	2	0	1	.600
Trinkaus	6	25	5	5	1	4	0	1	0	0	.200
Paskill	6	28	8	4	2	0	1	1	0	0	.285
Bruce	6	25	4	4	1	0	2	0	0	0	.120
Sullivan	6	24	3	4	0	3	2	1	0	0	.125
Hook	6	21	9	2	3	1	2	4	1	0	.381
Herman	5	22	5	5	1	0	0	1	1	1	.227
Hall	4	15	5	5	0	0	0	1	1	0	.333
Carver	5	19	5	4	1	1	0	1	0	0	.263
Hill	6	20	5	2	3	1	2	0	0	0	.250
Broman	2	5	2	1	0	1	0	1	0	0	.400
Clay	2	4	0	0	0	0	0	0	0	0	.000


BASKET
BALL
MELLOR
1914.

The Basketball Team, 1915

A. Katzinger, Captain	*Guard*
T. Sullivan	*Guard*
S. Abrams	*Guard*
W. Bready	*Guard*
W. Sandroff	*Center*
J. Broman	*Center*
J. E. Sullivan	*Forward*
H. Mouat	*Forward*
M. Wilcox	*Forward*

SUBSTITUTES

Cooper
Taylor
Rice

Armour	36	First National Bank	24
Armour	30	First National Bank	26
Armour	20	Northwestern University	32
Armour	22	Northwestern College	19
Armour	28	Northwestern University	19
Armour	37	Northwestern University	39
Armour	17	University of Chicago	30
Armour	13	Beloit	22
Armour	20	Lake Forest	44
Armour	20	Beloit	15
Armour	12	Knox	30
Armour	18	Monmouth	32
Armour	20	Northwestern College	37
Armour	15	Lake Forest	48
Armour	53	Moody Bible Institute	9
Armour	31	Knox	22
Armour	26	Monmouth	25

POINTS

Armour 378; Opponents 480



KATZINGER

Aha, again enter Ye Ed. Now before we tell more about "King" Katzinger, we would like to explain our entering upon the scene. Referring to the staff members you notice Katzinger as being our able Athletic editor. Now being a very modest chap, Katzinger as an editor refused to have anything to do with Katzinger as an athlete and so we are very grateful to be able to tell more about Armour's greatest Athlete.

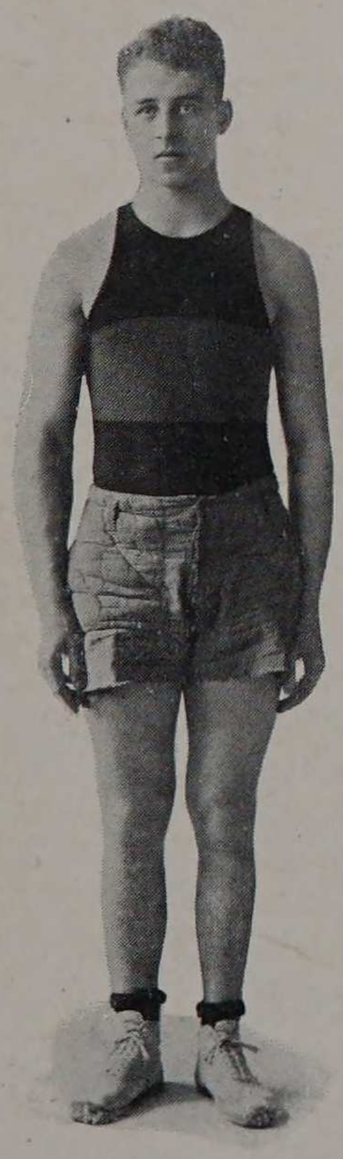
"Katz" captained and played right guard on our Tech team and a glance at his picture will almost serve to prove his capability. But to watch Katzinger perform will certainly give a standard by which to judge other guards and to name him the best guard in the Conference. A strong defensive player; clean and aggressive with a tendency to sneak down and "shoot a couple" just to break the monotony, is our partial description of Katzinger.

Katzinger's spirit has been prevalent on the team for three years, a regular "get-into-it" spirit that he injected in his freshman year and we extend to him our hearty congratulations on the success of our basketball team.



J. SULLIVAN

Joe Sullivan is this fellow's name, and it seems that he and his "brother" Tom Sullivan rather run the athletics at Armour. It is hard to forgive them for it because when the Irish take hold they never let loose. But the fact of the matter is that this member of the family is so good an athlete that we must of necessity forgive him. "Sully" has played on the Tech basketball team since he came here as a freshman, and in that time he has won his "A" three times. That is quite some record for such a little fellow and we are all proud of him. We call him little because he does not stand very high, but a glance at his picture shows that what he lacks in height he makes up in breadth. Rest assured that he uses all of that huskiness when he tears down the floor to make baskets. At the rate at which he has improved from year to year, we can hardly imagine what he will do next season.



SANDROFF

When the season started and we found that Lamb had not returned to school prospects were not very bright, considering the fact that the center position is always hard to fill at Armour. But when Schommer issued a call for candidates for the team there came out on the floor a green-suited individual who said that he had played center at Lane High School. That was just a little encouragement, but when the Coach saw this six-foot, 190 pounder handle a basketball, he rejoiced and blessed the gods for sending to the Tech such a center. All you have to do is to glance at his picture and you will admit that Sandroff is some basketball material. He proved to be one of the best on the team; a fast floor man, an excellent jumper, and an accurate basket shooter. He played a great game throughout the entire season and we can all rejoice that he has still three more years to play for the Tech.



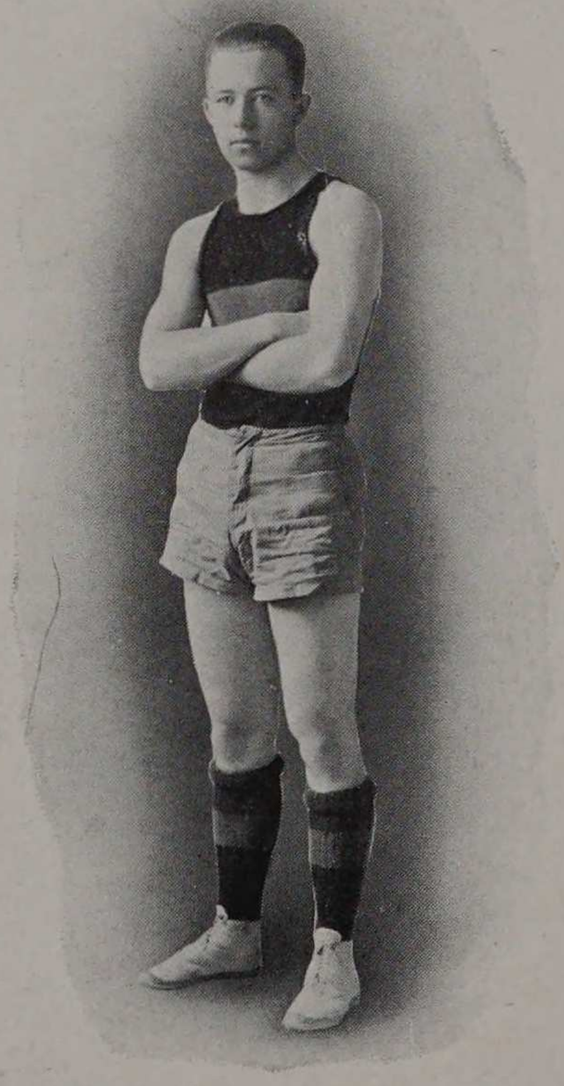
MOUAT

Harry Mouat is the name of this diminutive basketball player. He has been at Armour for three years, and during the last season he succeeded in winning the cherished emblem. During his first two years at the Tech he did not try out for the varsity team, thinking that his size was against him, but this year, there being a dearth of good forward material, he decided to come out. It was lucky for us that he did so, for he proved to be a star. He started the season as the running mate of Sullivan, and he proved himself well worthy of the position. His fast speedy floor work and accurate basket shooting brought him praise from the spectators at every game. He is one of that type of player who can stand all sorts of rough treatment and then come back stronger than ever,and drop the ball in the basket. He weighs only 115 pounds, but each of those pounds is equal to two of the average player.



T. SULLIVAN

Tom Sullivan is another Senior whom we shall lose by graduation. He played the guard position, alternating with Bready. This season was the first time that Tommy won his "A" as a member of the basketball team. He must have been overlooked in the preceding years for he certainly did show up well on this year's team. He is a good defensive guard; one of this kind who plays a fast snappy game on the defence, and once in a while sneaks up and throws a basket. Considering the fact that these few of his qualities make him a highly desirable addition to our team, we shall be sorry to see him go.



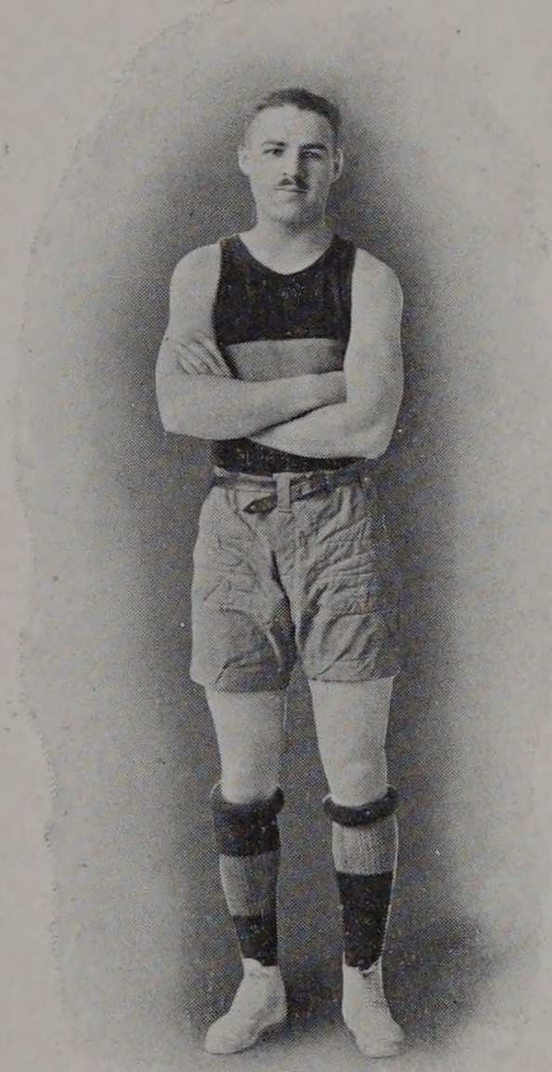
WILCOX

Wilcox is another one of these fellows who deserve the highest kind of praise for the winning of the "A." He played as a substitute for the first two years of his stay at Armour and always missed winning his emblem by a slight margin. But this year "Willy" decided that it was high time for him to be wearing an emblem so he started to play such good basket ball that he was alternated with Mouat as the running mate of Sullivan for the entire season. He was by far the most accurate basket shooter on the team; when he once got loose with the ball he invariably dropped it in. He has one more year to play and with an improvement comparable with last year's he should win his "A" again.



BREADY

We are glad, and we consider ourselves fortunate that we are able to write this man up as a wearer of the "A". Of all the "A" men in school, Bready is the one whom we should pick out as the most deserving of the honor. Some fellows come to Armour, and because of their high school training in athletics are fit for college competition. But things were decidedly different with Bready. He had to work to complete his high school course; when he came to Armour he made up his mind to win his "A" in some sport. Let us congratulate him upon his success in so doing. He tried out for all the teams at the Tech, and practiced especially hard at basketball. He did not prove an exception to the rule that 'practice makes perfect' for he came out this year as a corking good guard. He played a fine game throughout the season and, though he did not get in every game, he played a sufficient number to win his "A." He will be lost to us by graduation and we shall feel the loss.



ABRAMS

Abrams won his "A" for the first time during the last basketball season because, during the 1914 season, a severe operation kept him out of the game after he had just about earned a berth on the team. He played this year as a guard, and his good work earned for him the praise of the entire school. His playing ranked up with that of Bready and T. Sullivan, and for that reason he always played a part of each game at the left guard position. He has one more year to play and his success is assured.

When we wrote a few words about Broman's ability as a baseball pitcher, we mentioned the fact that he stood over six feet in his stockings, so our reader does not have to be told that Broman played center on their varsity team. His great size and reach placed him head and shoulders above the rest of the men, and when he played he proved to be a tower of strength on the defence, and of great assistance to the small men of the team on offense. While he did not play as first string center, he did perform in enough games to win his "A" in a most satisfactory manner.

Review of the Basketball Season

The basketball season of 1914-1915 was a decided improvement over that of last year. Of the eight conference games played, we won three and lost five, thus giving us a tie for second place. On the face of it, this may not seem an accomplishment, but, considering the fact that Lake Forest, the Conference Champion, was the only team which went through the season without the loss of a game, it will be seen that the Tech was well up in the percentage column.

At the beginning of the season the prospects were not very bright for we had but two out of last year's regulars back; Joe Sullivan and Katzinger. As practice progressed, however, it was found that there was not only valuable Freshman material available, but also men from the other classes who were able to try out for the team for the first time. One of these latter was "Rabbit" Mouat, who won praise and admiration from every audience attending our games. Of the Freshman material, Sandroff may be considered the best. With a little more help from Coach Schommer, he has possibilities for developing into one of the best centers in the Conference. The squad finally thinned out to Wilcox, Bready, Cooper, and Abrams who were out to fill the forward position; and Trinkaus, Weiss, T. Sullivan, and Taylor, for the guard position; and Broman, for center.

Name	Baskets	Free Throws	Total Points	Personal Fouls	Technical Fouls	Games Played in
J. Sullivan	31	15	77	24	6	17
H. Mouat	46	10	102	19	3	17
W. Sandroff	35	48	118	18	3	17
A. Katzinger	11	1	23	18	6	15
Broman	14		28	8	3	11
M. Wilcox	15	3	33	3	3	11
Cooper	3		6	4	1	8
T. Sullivan	6		12	14	5	12
S. Abrams	1		2	4		9
W. Bready	1		2	5	1	6
Taylor	6		12	1	1	5
Rice	2		4			1


A
A
TRACK
Miller
1914

Track Season

The track season of 1914 was a success from every point of view and, considering the fact that we have had a track team at Armour for only three years, we can congratulate the team, the captain, and the coach on their success.

We competed in four meets during the season; two dual meets with Northwestern College; a triangular meet with Lake Forest and Northwestern College; and the Little Five Conference Meet. In the last named we did not do very well, a little hard luck cropping up on the day of the meet which caused the failure of some of our stars to win their points. In the triangular meet we placed second to Lake Forest, and were victorious in the two dual meets. In these latter our team showed up in great style, winning from a team recognized as being a leader. The scores in both meets were close; 64 to 61 and 68 to 58.

The Conference meet was held at Monmouth on May 23, and resulted in an easy victory for Lake Forest. Tierney and Barr were the point winners for Armour. Tierney took first in the 100 and 220 yard dashes, defeating Martin, the Beloit star, in both events. He was disqualified, however, in the hundred because of an imaginary infringement of the starting rule; in other words, the opposing coaches talked the judge into disqualifying him.

To Walter Hallstein, captain of the team, we credit much of the success of the season. The other men who won the yellow "A" are Sullivan, Katzinger, Tierney, Alter, Trinkaus, Barr, King, and Farrar.

The Track Team, 1914



Coach Schommer — Farrar — Sullivan — Mouat — Katzinger
Leyden — Alter — Hallstein — King — Tierney



SULLIVAN

Joe Sullivan is the Captain of this year's track team, and the individual star of the team for the past two years. He started his career as a track man during his Freshman year, when he was star of the inter-class meet and the backbone of the varsity team. All that he does is the hundred, two-twenty, low hurdles, and pole vault; when he gets through with these events in one of our track meets, he gaily chirps, "Nothing to do 'till tomorrow". That is just the way he talks and feels for he is without doubt the huskiest little athlete in the business. His best events are the hundred and the low hurdles, and his time in both events make him a winner. During his first year, he ran the century in 10.2 and the low hurdles in 26.2, whereas during his second year he showed decided improvement, running his events in 10.1 and 26.1, which is good enough to place him in any meet.

Because of his brilliant and steady work, he was unanimously elected Captain of the team for 1915. He certainly deserves the honor which his team-mates gave him, and the good wishes of the whole student body are with him.



TRINKAUS

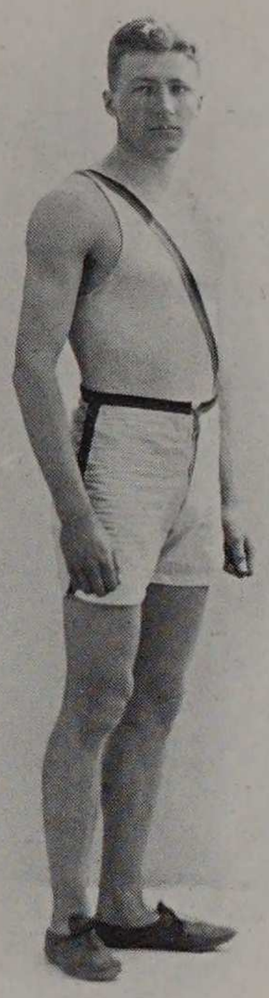
Those who have been out for the home meets can't help but recognize in this picture our diminutive star, George Trinkaus. Beginning with his Sophomore year he has been the star pole vaulter of the Tech track squad. In 1911-12, during his first season on the team, he was second pole vaulter and for that reason did not win his "A." The following year he showed a decided improvement and was steadily vaulting in the neighborhood of eleven feet, a height which easily made him one of the best men in the Conference in that line. Last season he took first place in several of the dual meets but, unfortunately for Armour, he hurt his ankle on the day of the Conference Meet, and could not compete, thereby losing us a sure three points or a possible four. This year we hope that his jinx will be lost for he will certainly score for us in every meet in which he enters. "Trink" is graduating this year and when he gets his degree his loss to the team will be felt keenly by his host of admirers.



KATZINGER

Yes, we all are and you should now be acquainted with "Art" Katzinger. Katzinger as a track man has been our pride and joy. A consistent point winner and the man who in his freshman year broke the Conference broad jump record with a leap of 21 feet, 7 inches. His track activities are not confined to the broad jump, however, for in glancing thru the scores we see Katzinger as winner in the broad jump, the shot put and the low hurdles. Thus we have Katzinger's record as a track-man.

Katzinger has won his "A" in baseball, track, and basket ball for three successive years, making a total of nine A's and we hail to him as Armour's Greatest Athlete. To Katzinger as an athlete with honors won and to the man he has proven to be we extend our heartiest wishes, and hope his name will grace the rolls of all our teams the next year, which will be his last year.



TIERNEY

When Tierney entered Armour, he came with the reputation of being the star dash man of St. Ignatius Academy, and great things were expected of him. John had a big reputation to live up to, and he not only did so, but made it much bigger. His marvelous stride and easy form made his first appearance on Ogden Field during the class meets a source of wonder to the students. Since that memorable day, our long speedster has taken first in practically all of the events in which he has entered. By easily defeating Martin, the star dash man of the Conference for several years, Tierney added more laurels to those already won. He makes up the third of the trio of dash men who will be able to compete for two more years at Armour, and, with all three of them running the hundred and two-twenty in record time, we are able to forecast many victories for the Tech. His time of 10.0 flat in the hundred and 23.0 flat in the two-twenty will assure him of a large collection of prizes before he leaves the Institute, which, luckily, is three years away.

SOMERS

"Jock" Somers, our star quarter-miler and 220 man, although not with us last year, has returned, and expects to take his old place on "Capt. Sully's" aggregation of stars for '15. "Jock" worked hard during his first two years on the team, showing a wonderful improvement each year, but he did not strike his real stride until his second year, when he won several places in the dual meets. As a point winner, he could be relied upon to do what is known as "bringing home the bacon". It was during his second season on the team that he won his "A."

He is a tall rangy built fellow, the ideal build for a quarter-miler, and he sure can tear up the cinders when someone is chasing him. He graduates this year, and will leave a large gap in the track team lineup.





ALTER

Arthur S. Alter is his name, gentlemen; a name that sounds well tacked in with the list of point winners of the hundred and two-twenty yard dashes of every meet. He is a slender athlete with a long stride and a world of speed. The manner in which he leaves the rest of the field behind him in the dash events is most satisfactory to behold. "Art" is what he is called around the Institute, and he is one of the best liked men in school. He won his "A" during his first year, and has succeeded in duplicating that performance ever since. His best mark for the century is 10.2, and for the two-twenty, 23.4. Luckily, he has two more seasons to compete, so along with our other two dash men, Art should help a good deal toward bringing home the championship cup.



KING

Lawrence King is the track team's high hurdler and, though he did not place in the Conference last year, he won first place in several dual meets, which entitled him to his "A". At the start of last year's season he had never run the hurdles but because of the dearth of material for that event, he decided to try to make up the deficiency on the team. He started in, and his improvement was rapid. His speed, along with his ideal build for the event, won for him a position on the team. An improvement such as we witnessed last year should make him a point winner in the Conference long before he graduates. Considering the fact that he is only in his second year at the Tech, we should be well supplied with points resulting from the high hurdles.



HIRSHFIELD

Hirshfield has been an Armour track man for three years now, and during his second year on the squad, he won his "A" in the high hurdles. Since that year his school work has been so heavy that it made it impossible for him to compete for the team.

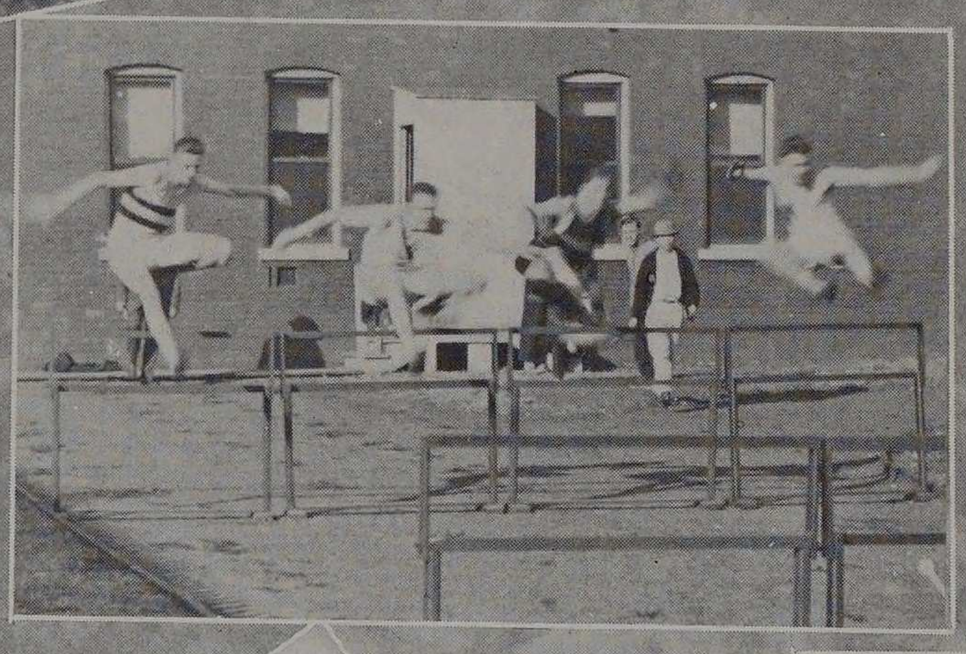
We missed his sure points in every meet, more especially during last season when we were lacking a hurdler at the beginning of the season.

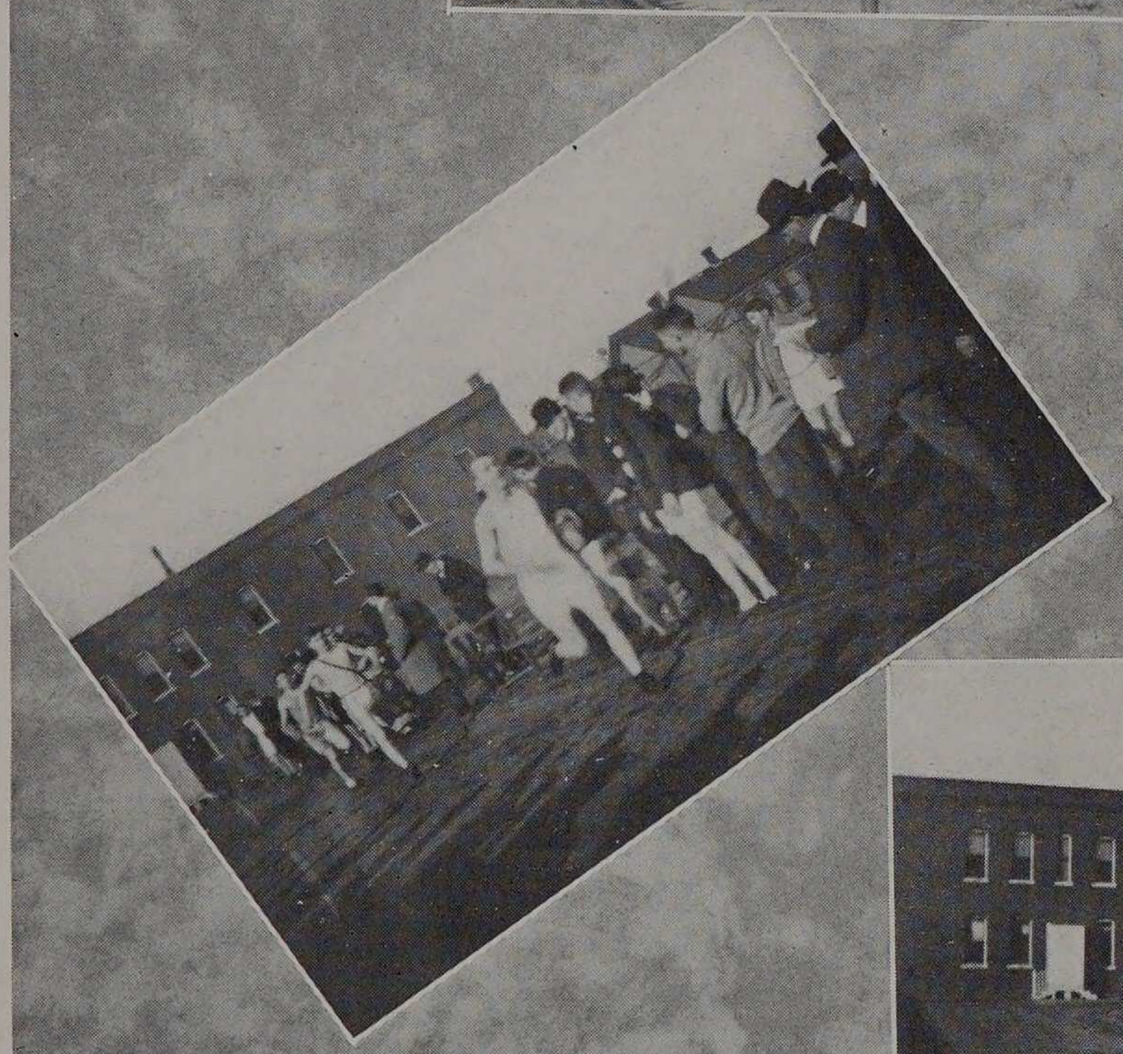
He is a small man with a beautiful manner of hurdling, which, accompanied by a world of speed, always brought home the bacon. He is graduating this year and his work being a little easier, we will see him perform in all our spring track meets.

ATHLETICS

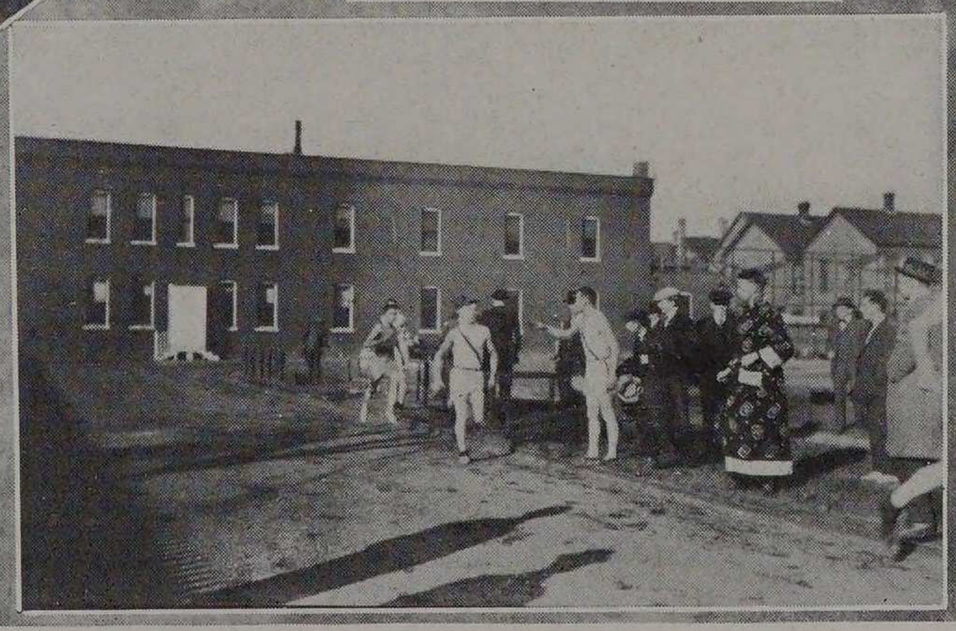














TIERNEY WINNING THE CONFERENCE 220
(JOHNNY MARTIN AND KELLY IN THE REAR)

Inter-Class Athletics

The Junior Class, the class of 1916, won two out of the three interclass championships and came within a hair of making a clean sweep of the entire interclass athletics for the year of 1914. At the start of the semester, hardly before the registration was over, the Juniors were out on the field practicing for the annual fall baseball game of the classes. Their endeavors brought them good, for they came off with the Championship, defeating all comers. Not satisfied with this victory, they came right back and carried off the basketball honors with the greatest of ease. In the interval between the basketball games and the baseball fiasco, the Sophomores took the measure of the "Bear Cats," on the track, for on the eventful day of October 30th, they won the meet by one point and thus spoiled a record of three straight for 1916.

In the fall interclass baseball series, captains were elected and lots drawn for the first game; the Juniors met the Freshmen and the Seniors met the Sophomores. On Oct. 1st the Juniors locked horns with the Freshmen and after some superb battling, in the early part of the game, broke loose and "wolloped" the Freshies to the tune of 7 to 2. Wilcox did the hurling for the Juniors, and Alender was his battery mate, while Weiss tossed for the Froshes and Liu wore the big mitt. "Willy" pitched a fine game allowing only two hits and whiffing eleven men. Weiss was hit hard in spots and "Rabbit "Mouat and Katzinger kept him worried with their club while at bat and on the coaching line when they had nothing else to do. The Seniors met the Sophomores on Oct. 5th and handed them an 8 to 2 trouncing in seven innings. Kiene and Cooban were the battery for the Seniors and King and Andre worked for the Sophs. The Sophomores out hit the Seniors almost two to one, but the hits came at a time when they were practically useless.

The results of these two games left the Championship between the two upper classes. This final game was played off on Oct. 13, on which day the Juniors sadly mistreated and disrespected their upper classmen. They played but five innings, but that was a great sufficiency, for at that time the score stood 13 to 3 against the Seniors, and was therefore called off on account of darkness, at the unanimous vote of the entire Senior team. Score.

Innings—	1	2	3	4	5	6	7	R.	H.	E.
Juniors	0	0	2	2	0	3	*	7	3	3
Freshmen	0	1	1	0	0	0	0	2	2	2

Batteries—Juniors, Wilcox and Alender; Freshmen, Weiss and Liu.

Innings—	1	2	3	4	5	6	7	R.	H.	E.
Seniors	2	0	1	0	3	2	0	8	6	2
Sophomores	0	1	1	0	0	0	0	2	11	1

Batteries—Seniors: Kiene and Cooban. Sophs. King, Shriner and Andre.

Innings—	1	2	3	4	5	R.	H.	E.
Seniors	0	1	0	0	2	3	5	3
Juniors	3	2	0	8	0	13	9	3

Batteries—Seniors; Kiene, Trinkaus and Cooban. Juniors; Wilcox and Alender.

Inter-class Track Meet

The biggest surprise of the year, in the interclass athletics, was the defeat of the Juniors on the track, at the hands of the Sophomores. Although not an overwhelming defeat, but by one of the closest scores possible, it stopped the successful march of the Juniors. The final score after all arguing had ceased ,was:—Sophomores 50; Juniors 49; Freshmen 21; Seniors 5.

The stars of the meet were Tierney and King for the Sophs and Katzinger for the Juniors. The Sophs carried off seven first prizes and three seconds, while the Juniors got but three firsts and took eleven seconds.

The entire meet was slow, the fellows not being in the best of condition. The weather was not at all at its best for an outdoor track meet, but considering everything it was a success. Some new material developed which brought joy to the Coach as well as the bunch of loyal rooters that turned out to cheer their classmates on. Sandroff, a Freshman showed up well in the weights and in the broad jump, and he will be a decided help to the varsity team. The Seniors made a very poor showing, only securing five points in all, a first place in the pole vault by Trinkaus. The lack of track men in the class of 1915 is the cause for the poor showing, "Trink" being the only available one of his kind in the entire combination. Most of the Seniors are baseball players, seven of them having received their "A" in that sport.

Inter-class Basketball

Once again the Juniors "copped" an Interclass Championship in basketball, thus making the second consecutive year they have turned the trick, and from present outlook they are liable to do so again if half of their outfit don't die or drop out. With six basketball "A" men on their team, Sully, Katz, Mouat, Abrams, Wilcox and Broman, they certainly have some squad to pick from.

In the drawing lots for games, the Juniors were pitted against the Seniors for the first game and the Sophomores against the Freshmen for the second game. In the first game the Juniors had a great deal of fun, for they took the Seniors into camp and gave them a merry lacing by a score of 20 to 7. "Rabbit" Mouat led the attack with five goals from the field while J. "Sully" caged four. The second game was a fine scrap between the two lower classes. The Freshies came from behind and trounced the Sophomores by a score of 17 to 8. In this Freshmen team there was some good material showed up which proved very beneficial to Coach Schommer for his "Tech" team. Sandroff made a regular job on the team, while Taylor and Cooper earned reserve emblems for their work, and Weiss, although not rewarded for his services, showed up well and will eventually get his emblem.

The results of these two games left the Championship between the last year's Champs and the Freshmen. In the final game the Juniors got their combination working to perfection and fairly smothered the Freshies with a 47 to 9 score.

In the final game our regular forward of the Tech team, Mouat, bagged eight goals from the fields while Joe got five ringers. The game was a walk away for the Juniors, and with Katzinger and Sully playing the guard positions, the Freshmen had little chance to score.

Juniors (20)		Seniors (7)
Katzinger	Left Guard	Summers
Wilcox	Right Guard	Tronvig
Broman	Center	Mammes
Mouat	Right Forward	Porter
J. Sullivan	Left Forward	T. Sullivan

Field Goals—Mouat (5), J. Sullivan (4), Broman (3), Wilcox, Katzinger, T. Sullivan, Tronvig. Free Throws—Mouat, T. Sullivan (3). Substitutions—Abrahams for Wilcox, Rook for Mouat.

Sophs (8)		Freshmen (17)
Stafford	Right Forward	Northelfer
Pomeroy	Left Forward	Cooper
King	Center	Taylor
Ingraham	Right Guard	Weiss
Paskill	Left Guard	Sandroff

Field Goals—Cooper (3), Weiss (3), Taylor, Northelfer, Pomeroy, King, Ingraham, Paskill. Free Throws—Sandroff. Substitutions—Shriner for Paskill, Paskill for Shriner.

Juniors (47)		Freshmen (9)
Katzinger	Right Guard	Sandroff
Sullivan	Left Guard	Weiss
Broman	Center	Taylor
Mouat	Right Forward	Cooper
Wilcox	Left Forward	Northelfer

Field Goals—Mouat (8), Sullivan (5), Broman (5), Wilcox (2), Cooper (2), Katz, Taylor, Sandroff. Free Throws—Wilcox, 5 in 5 chances; Weiss, 1 in 2 chances; Sandroff, 0 in 1 chance; Cooper, 0 in 1 chance. Substitutions—Abrahams for Wilcox. Rook for Abrahams, Chapin for Northelfer.

INTERCLASS SERIES STANDINGS

Results of Class Basketball Series

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

Results of Class Baseball Series

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

Results of Class Track Meet

Class	Score	1sts	2nds	3rds
Sophomores	50	7	3	7
Juniors	49	3	11	7
Freshmen	21	3	1	3
Seniors	5	1	0	0

Spring Golf Tournament

The annual spring golf tournament was won by Maurice L. Wilcox. As shown by the scores, he had a fairly easy time of it. As in previous tournaments, he had to buck up against his dad, but this time it was in the finals. A Wilcox was bound to be the winner, and, as it turned out, M. L. did the trick.

About spring-fever time the golfing contingent of the Institute began to "paste the pill" out in Jackson Park, and so a tournament was arranged for which fifteen men signed up and were paired off. The first week in May was set for the playing of the first round so that a few weeks practice could be had by those who thought that they needed it. The faculty golfers must have done most of this practicing for, after the smoke of the first round had cleared away, all but three of the victors were "Profs". As luck would have it, they were paired so as to kill off each other, leaving only two in the semi-finals. In the second round, G. M. Wilcox and C. W. Leigh indulged in one of their old-time, hard-fought matches which went almost the full route. Wilcox won, 3 up and 1 to play. Smith and Wilsnack played an even match, W. G. showing up a trifle better and conquering, 3 up and 2 to play. M. L. Wilcox gained his way to the semi-finals by a default. E. M. Kratz was forced to drop out because he was pressed with work. Jesse Agee and "Prof" Tibbals played a see-saw affair with the student on top after the last hole had been played. However, Agee was soon disposed of by G. M. Wilcox, to the tune of 6 up and 4 to play. M. L. Wilcox triumphed over "William Griswold" and so earned the right to play his dad for the championship of the school. According to the score card a 36-hole final was to be played and so an all-day match was scheduled for some Saturday at Jackson Park. As it happened, G. M. Wilcox was entirely off his game while Maurice played fairly well, getting a 78 for the first round. Under these conditions, it was not hard for him to win the majority of the holes and decide the match early in the day. The score was 16 up and 15 to play.

Fall Golf Tournament

It was decided to run the fall tournament on a handicap basis. Although this style of play does not bring the best player to the fore in all cases, it nevertheless gives the rest of the field a fighting chance. Lack of time prevented the playing of qualifying rounds to properly determine the handicaps so the entrants were rated according to their performances in past tournaments. This placed H. B. Maguire and M. L. Wilcox on scratch, and C. W. Leigh, G. M. Wilcox, and W. G. Smith at 5 strokes apiece. The handicaps of the remainder of the field ranged from 5 to 10 strokes apiece.

Maguire and Wilcox hooked up in the second round and, although both were somewhat off form, an interesting match resulted, Maguire finally turning the trick on the seventeenth hole. The score was 3 up and 1 to play.

Jesse Agee, the dark horse of the Tournament, aided by his five-stroke advantage over W. G. Smith, easily came out ahead in their match.

Agee had a tough time disposing of C. A. Tibbals, barely nosing him out by the score of 1 up. He also took C. W. Leigh into camp, using his five-stroke handicap to advantage. This brought him up to the finals.

In the top half of the score card, Lawrence King was fighting his way to the semi-finals. He won his match from G. M. Wilcox by holing out in three on the last hole, making an exciting finish to an exciting match. Lawrence did not get into the finals, however, for Maguire's superior playing was too much for him, even with his seven-stroke handicap. The "Sleepless Wonder" of the City Tournament did not play up to his best form when he met Agee for the championship and, although he fought stubbornly to overcome the lead of ten strokes, the match ended on the seventeenth green with Agee as the winner, 2 up and 1 to play.

Agee has the honor of beating the man who was about to acquire fame at the indoor game, for Howard Bruce Maguire, in other words, "Shorty" Maguire, has since taken into camp "Chick" Evans and other notables.

Golf Tournament Results

2nd Round	Semi-Finals	Finals	Champion
Agee *5 and 4*			
Tibbals *6 and 5*	Agee *2 up*		
G. M. Wilcox *8 and 7*		G. M. Wilcox *6 and 4*	
Leigh *Bye*	G. M. Wilcox *3 and 1*		M. L. Wilcox *16 and 15*
Smith *7 and 6*			
Wilsnack *4 and 3*	Smith *3 and 2*		
Kratz *Default*		M. L. Wilcox *5 and 4*	
M. L. Wilcox *9 and 8*	M. L. Wilcox *Default*		

2nd Round	Semi-Finals	Finals	Champion
King *Bye*			
G. M. Wilcox *4 and 2*	King *1 up*		
Maguire *Bye*		Maguire *3 and 2*	
M. L. Wilcox *Bye*	Maguire *3 and 1*		
Anderson *1 up*			Agee *2 and 1*
Leigh *3 and 1*	Leigh *9 and 7*		
Tibbals *5 and 4*		Agee *3 and 2*	
Agee *5 and 3*	Agee *1 up*		

Tennis

The annual fall tennis tournament of the Institute was won by S. N. Abrams. The original number of contestants was forty-six, this number dwindling down to Professor Wilsnack and the winner. In one of the closest fought matches of the tournament Abrams emerged victorious by a score of 2-6, 6-1, 9-7. Professor Wilsnack seemed to have things his own way during the first set, but Abrams came back strong in the following set, winning easily. The final set was to see-saw affair, and it was only by the greater endurance of the younger athlete that he managed to nose out Professor Wilsnack.

The semi-final match was also very closely contested by M. L. Wilcox. Wilcox played brilliant tennis, and had the score tied at 4-4 when the first set was called on account of darkness. In the play-off, the longest set of the tournament was finally won by Abrams by a 13-11 score. Wilcox gamely came back, winning the second set after an uphill battle by barely nosing out his opponent-score 6-4. Displaying the same endurance as he did in the finals, Abrams won the next and final set of this series, entitling him to meet Wilsnack in the final match for the Championship.

Wilsnack showed his remarkable skill as a tennis star by "wading" through the entire tournament up to the finals without losing a set. Abrams found the path to the Championship much harder, being forced to defeat six players and losing one set to each of the following contestants: V. Johnson, W. Borroughs, M. L. Wilcox, and Professor Wilsnack.

The first round of the tournament was marred by a number of defaults. Porges, who was expected to be one of the strongest men in the tournament, gave up his chance to win the laurels by defaulting in the first round on account of being hard pressed for time. The other rounds were more closely contested; the third round being played on merits only; no one defaulting.

Armour to Hold Tennis Conference

For the first time in the history of the school, Armour will hold the Little Five Conference, staging the conflicts at Evanston. Entries are expected from Lake Forest, Beloit, Monmouth, and Knox. The matches are to be played on Friday and Saturday; May 21 and 22, 1915.

After some deliberation, the Executive Council of the Institute decided to officially recognize the sport, and will authorize an expenditure for "A's" if our team should return victorious from the conference.

The prospect for the Conference Championship seems very bright. The Captain chosen is last year's tournament winner, S. N. Abrams, while Professor Wilsnack was elected Manager. The following men will be permitted tryouts, and the team will probably be chosen from them: Wilcox, Burroughs, Porges, Anthony, Johnson, King, Robechek, Wilson, Rosenberg, Bready, and Somers. Of these men, the only one unknown in collegiate tennis is Anthony. He comes from the Case School of Applied Science, and was considered one of the school's stars. We hope that he will live up to his reputation by helping us take the Conference Championship.

On the whole, the past school year has been very successful in tennis and, should we take the Conference Championship, tennis will become more strongly established at Armour.

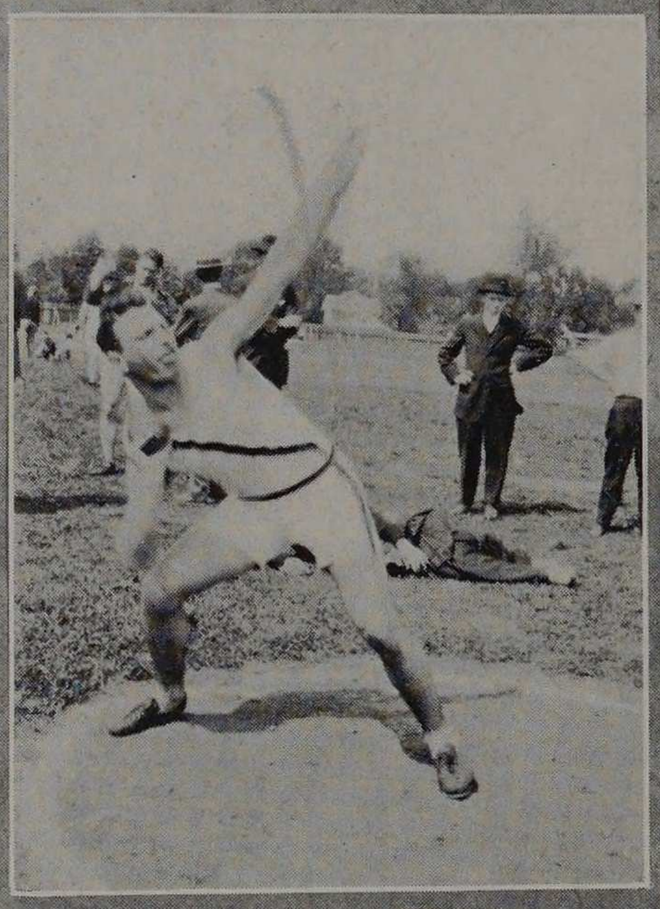
Fall Tennis Tournament

CHAMPIONSHIP ARMOUR INSTITUTE OF TECHNOLOGY, 1914

2ND ROUND	3RD ROUND	SEMI-FINALS	FINALS	CHAMPION
GOLDBERG (*Default*)				
BORROUGHS *6-1, 6-0*	BORROUGHS *6-1, 6-4*			
ABRAMS *6-2, 6-0*		ABRAMS *6-1, 1-6, 6-3*		
JOHNSON (*Default*)	ABRAMS *2-9, 6-4, 6-4*			
ROSER (*Default*)			ABRAMS *13-11, 4-6, 6-2*	
WILCOX *6-3, 6-3*	WILCOX *6-0, 6-0*			
ROSENBERG *6-3, 6-4*		WILCOX *6-3, 6-1*		
TRINKAUS *6-1, 4-6, 6-4*	ROSENBERG *6-2, 6-1*			ABRAMS *2-6, 6-1, 9-7*
WILSNACK *6-2, 6-2*				
KING *6-2, 6-4*	WILSNACK *6-3, 6-4*			
WILSON (*Default*)		WILSNACK *6-1, 6-1*	WILSNACK *6-1, 6-1*	
KUPSHAS (*Default*)	WILSON *6-4, 6-2*			



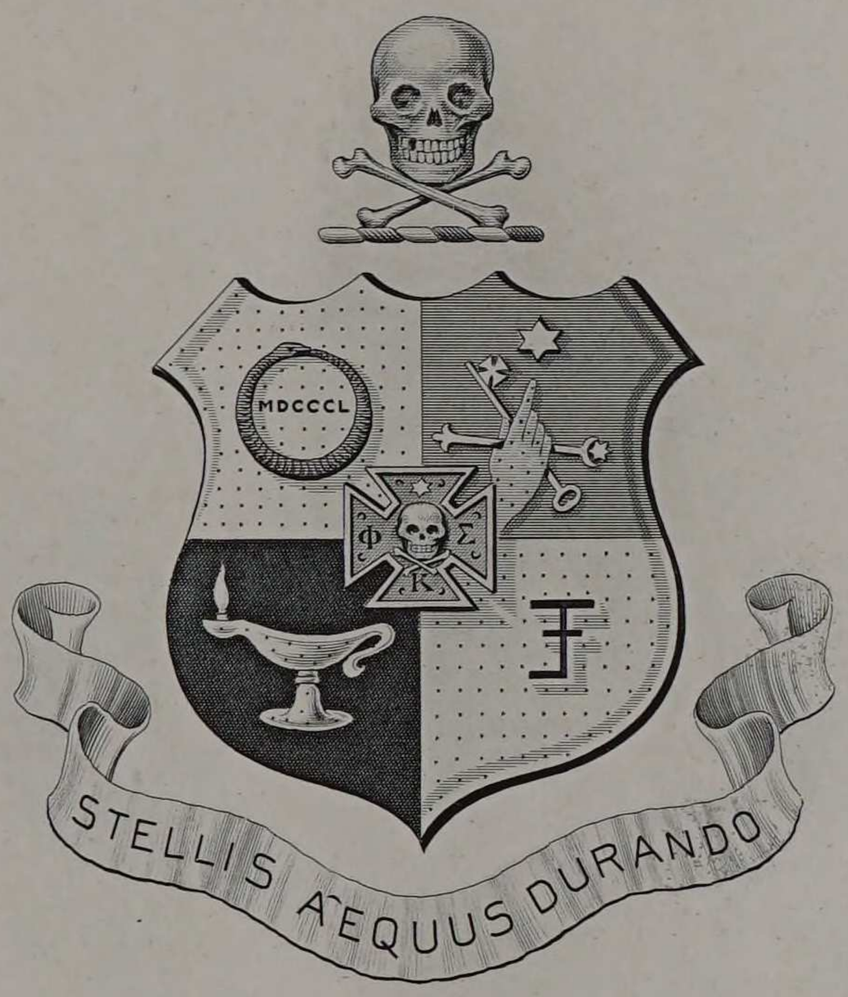









THE AFFLICTIONS



Dreka, Phila.
Design Patent applied for

Phi Kappa Sigma

CHAPTER ROLL

FOUNDED AT THE UNIVERSITY OF PENNSYLVANIA, 1850

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

Phi Kappa Sigma

ALPHA EPSILON CHAPTER

Chartered June 8th, 1898

Faculty

JOHN J. SCHOMMER, CHICAGO, '10

1915

HUBERT ELMORE WILSON
CHARLES EGBERT GLEASON
JOHN JUCKER, JR.
FREDERICK LUCIUS BREWER
GEORGE WILLIAM SPROESSER
HAROLD EDMUND ANNING
IVAR ROY SWANSON
FRED LINDSAY WARD
LINTER HOMAN
STANLEY WILLIAM ANDERSON
FREDERICK HARRY WAGNER
CLAUDE ALBERT KNUEPFER

1916

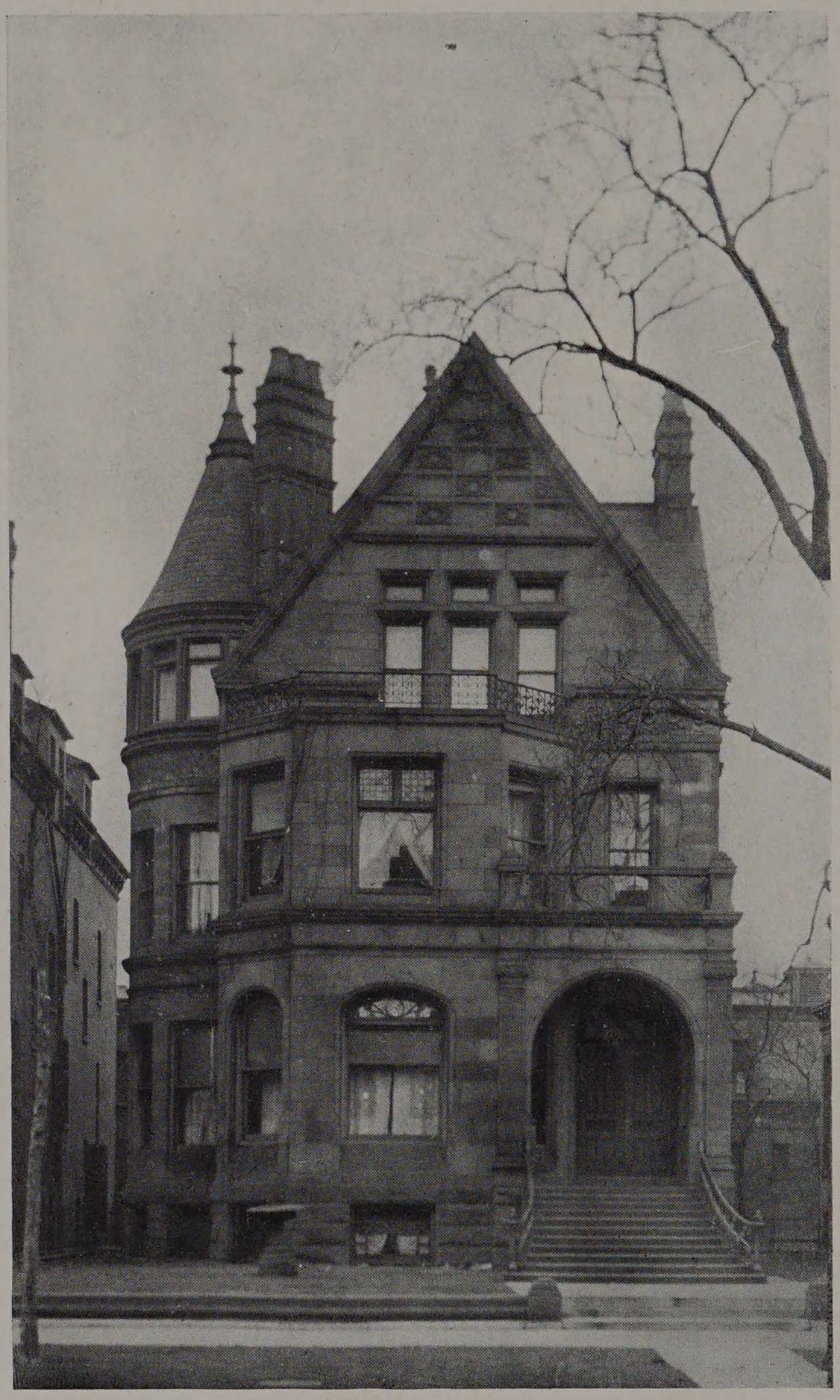
CHARLES LAWRENCE BOLTE
RICHARD FULLER DURANT
EMERSON REXFORD EAMES
ARTHUR MATSON WENGEL
CLAUDE HILL
HENRY ARNOLD ROOK

1917

JEAN PIERRE BECHAUD
HOWARD BYERS STAFFORD
LEONARD ALEX. FOSCHENBAUER
LEONARD ELGAR STARKEL
LAWRENCE KENNETH FRITTS
ROLAND MCKINLEY WATT
GEORGE T. BURNS
EARL H. SMITH
LESLIE EDWARD HAYES
MELVERNE CLARK COLE

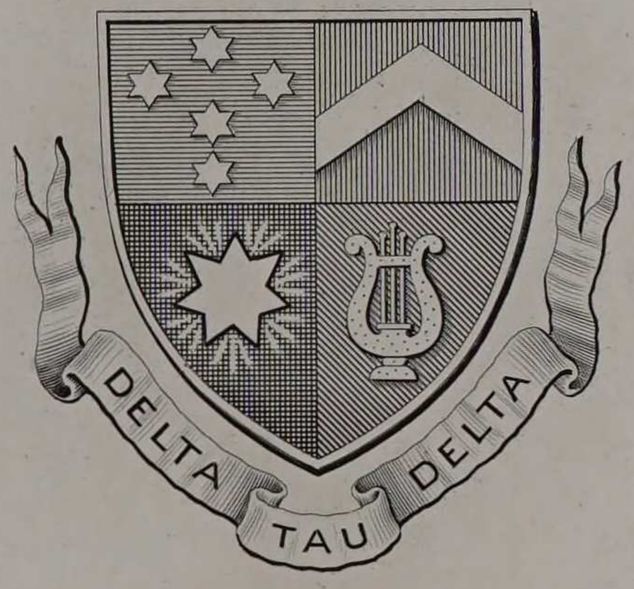


Top Row—Hill, Cole, Wagner, Anderson, Knuepfer, Foschinbauer, Starkel, Brewer. *Second Row*—Anning, Bechaud, Hayes, Jucker, Sproesser, Bolte, Durant, Willson. *Bottom Row*——Stafford, Burns, Watt, Smith, Rook, Fritts, Swanson.



PHI KAPPA SIGMA HOUSE





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Frank F. Rogers
1908

Dreka, Phila.

Delta Tau Delta

FOUNDED AT BETHANY COLLEGE IN 1859

CHAPTER ROLL

SOUTHERN DIVISION

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

WESTERN DIVISION

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

NORTHERN DIVISION

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

EASTERN DIVISION

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

Delta Tau Delta

GAMMA BETA CHAPTER

Chartered May 10th, 1901

1915

JOSEPH FREDERICK CHAMBERLAIN
FRANK G. COOBAN
HERBERT PATTERSON SHERWOOD
WALTER HENRY RIETZ
THOMAS FRANCIS SULLIVAN
EUGENE HARMON
HAROLD NERTNEY

1916

WARREN HASTINGS HAMILTON
HENRY BLAND
ESTES WILSON MANN
JOSEPH EDWARD SULLIVAN
HOWARD L. WALBRECHT
CLARENCE WINFIELD FARRIER
GEORGE RICE

1917

HARRY ROBERTS
ERICK P. STRANBERG
HAROLD INGRAHAM
LYOD MELLOR
HAROLD HANCHETTE
HOWARD BRUCE MAGUIRE

Pledged

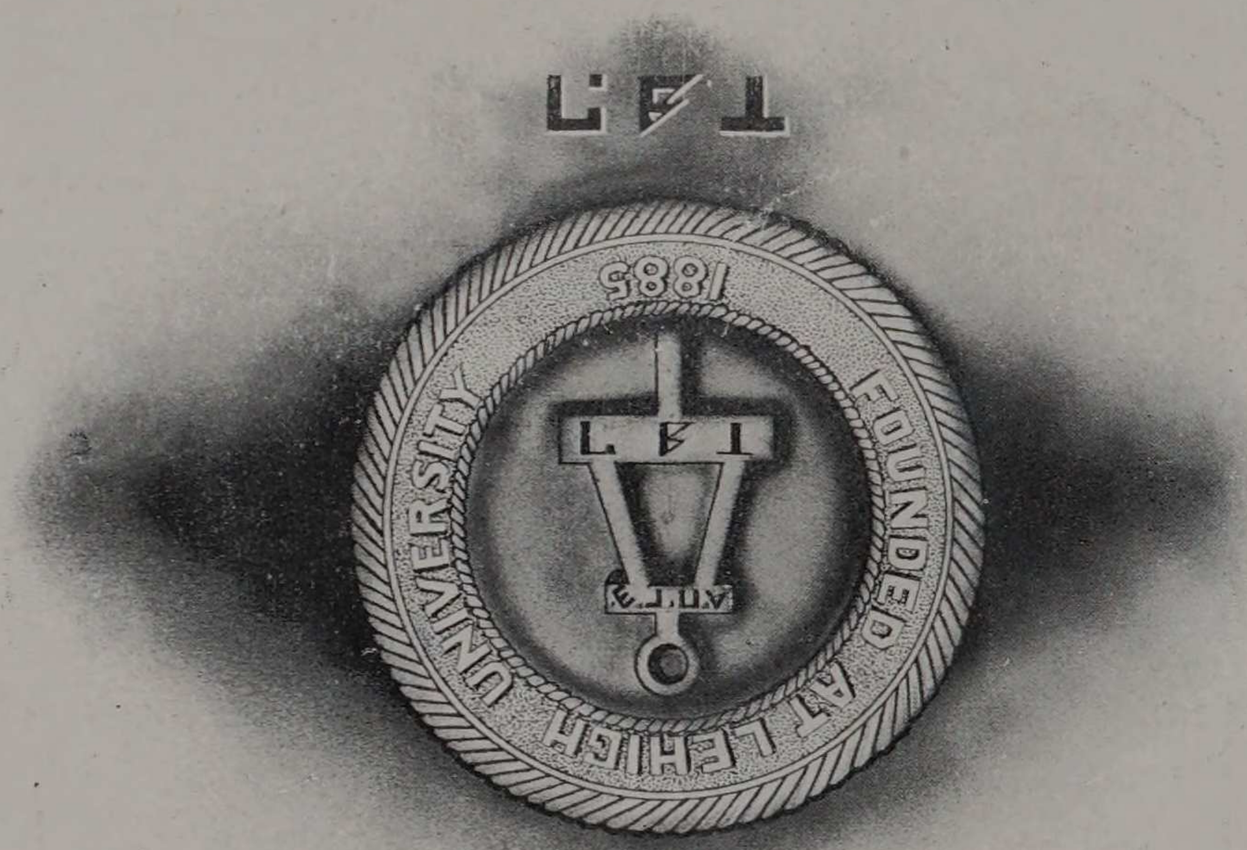
THOMAS J. O'NEIL
A. R. CRIST
W. HOWARD BRETTING
WM. J. WIGNALL
E. F. QUINN
FRANK J. CONWAY



Top Row—Roberts, Mellor, Maguire, Stranberg, Hamilton. *Second Row*—Burnham, Kratz, Chamberlin, Bland, Rietz, Harman. *Third Row*—Goe, Hanchette, Sullivan, Nertney, Sullivan, J. E. Sherwood, Mann. *Bottom Row*—Farrier, Wallbrecht, Ingraham, Rice, Cooban.



Delta Tau Delta House


LEHIGH UNIVERSITY
FOUNDED AT LEHIGH
1865
1867

Tau Beta Pi

BETA CHAPTER OF ILLINOIS

Chartered April 6th, 1906

Faculty Members

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

Honorary Members

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

1915

Jesse Agee
Walter L. Borroughs
A. B. Griffith
Theodore J. Kiene
John R. LeVally
Theodore K. Pfafflin
Stanley M. Peterson
Walter S. Pfeifer
Walter H. Rietz
George W. Sproesser
Emil Stepanek

1916

John M. Byanskas
Bradley S. Carr
Archi T. Newson
Henry A. Rook



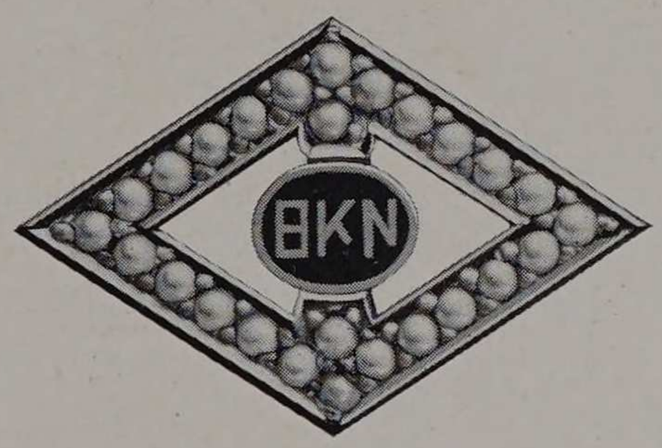
Agee
Peterson
Pfafflin
Pfeifer
Nachman
Sproesser
Byanskas
Leigh
Raymond
LeVally
Phillips
Penn
Freeman
Borroughs
Wells
Rietz
Stepanek
Griffith
Kiene

Tau Beta Pi

CHAPTER ROLL

FOUNDED AT LEHIGH UNIVERSITY IN 1885

Lehigh University 1885	ALPHA OF PENNSYLVANIA
Michigan Agricultural College 1892	ALPHA OF MICHIGAN
Purdue University 1893	ALPHA OF INDIANA
Stevens Institute of Technology 1896	ALPHA OF NEW JERSEY
University of Illinois 1897	ALPHA OF ILLINOIS
University of Wisconsin 1899	ALPHA OF WISCONSIN
Case School of Applied Science 1900	ALPHA OF OHIO
University of Kentucky 1902	ALPHA OF KENTUCKY
Columbia University 1902	ALPHA OF NEW YORK
University of Missouri 1902	ALPHA OF MISSOURI
Michigan College of Mines 1904	BETA OF MICHIGAN
Colorado School of Mines 1905	ALPHA OF COLORADO
University of Colorado 1905	BETA OF COLORADO
Armour Institute of Technology 1906	BETA OF ILLINOIS
Syracuse University 1906	BETA OF NEW YORK
University of Michigan 1906	GAMMA OF MICHIGAN
Missouri School of Mines 1906	BETA OF MISSOURI
University of California 1906	ALPHA OF CALIFORNIA
Iowa State College 1907	ALPHA OF IOWA
Rensselaer Polytechnic Institute 1908	GAMMA OF NEW YORK
University of Iowa 1908	BETA OF IOWA
University of Minnesota 1909	ALPHA OF MINNESOTA
Cornell University 1910	DELTA OF NEW YORK
Worchester Polytechnic Institute 1910	ALPHA OF MASSACHUSETTS
University of Maine 1911	ALPHA OF MAINE
Pennsylvania State College 1912	BETA OF PENNSYLVANIA
University of Washington 1912	ALPHA OF WISCONSIN


BKN

Eta Kappa Nu

Honorary Electrical

DELTA CHAPTER

Chartered 1909

Faculty

Professor J. J. Gilbert
Professor G. E. Marsh

1915

J. Friece Adamson
Roy Hupp
Walter L. Borroughs
Walter S. Pfeifer
Chester Wright

1916

Clifford L. Burnham
Leroy J. Enzler
David M. Goe
James F. Hillock
Vernon E. Hupp



Borroughs Wright Hillock
Enzler Pfeifer Adamson R. Hupp
Burnham V. Hupp Goe

Eta Kappa Nu

HONORARY ELECTRICAL

FOUNDED AT THE UNIVERSITY OF ILLINOIS, 1904

CHAPTER ROLL

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

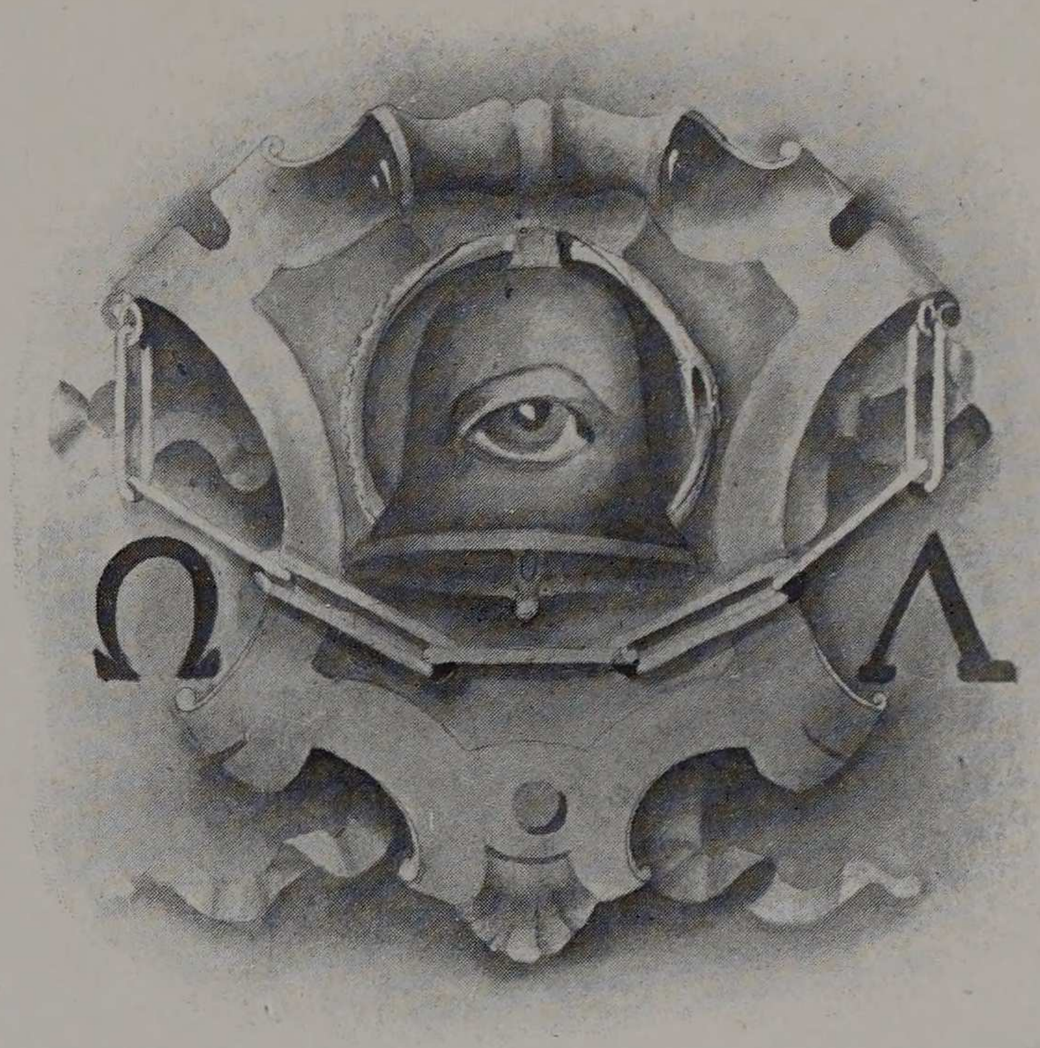
PITTSBURG ALUMNI CHAPTER, PITTSBURG, PA.

CHICAGO ALUMNI CHAPTER, CHICAGO, ILL.

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

SCHENECTADY ALUMNI CHAPTER, SCHENECTADY, N. Y.

MILWAUKEE ALUMNI CHAPTER, MILWAUKEE, WIS.



Omega Lambda

LOCAL

Organized October 21st, 1908

Faculty

ROBERT V. PERRY, Armour '97
JOHN C. PENN, Armour '05

1915

ARNE BODHOLDT
LESTER S. DOWNEY
LEONARD D. HOOK
ROY HUPP
CECIL E. PATERSON
WALTER S. PFEIFER
EDWARD D. PIERRE
LESLIE V. SOMERS

1916

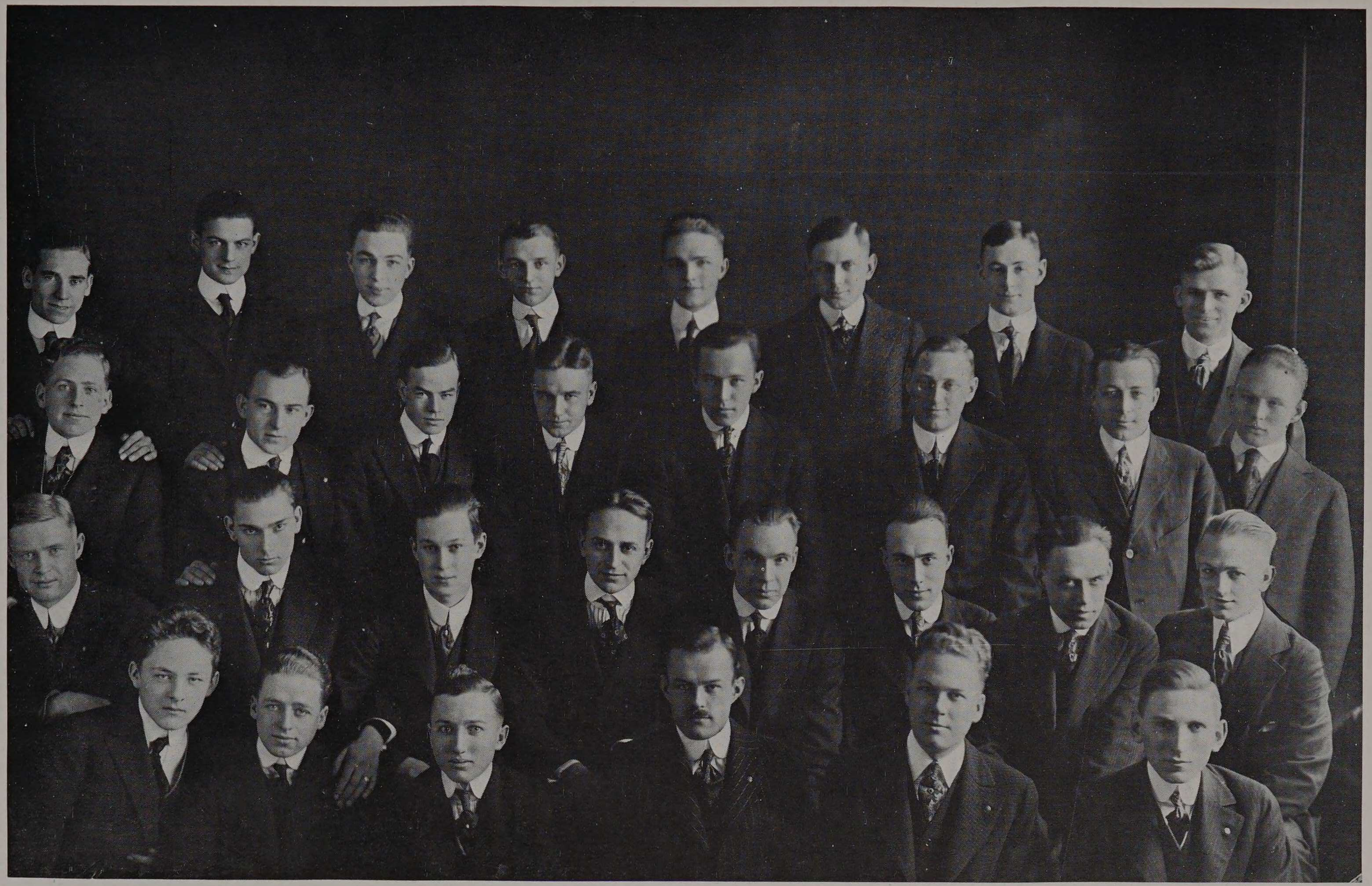
JOHN BYANSKAS
ELLIS S. ECHLIN
C. ARNOLD GRASSE
VERNON E. HUPP
C. HASSE
CLIFFORD C. PORTER
FRANKLIN L. POND
ALFRED C. WERMUTH
MAURICE L. WILCOX
LAWRENCE J. MCHUGH

1917

STUART R. EVANS
WILLIAM C. VOLLBRECHT
REUBEN PASKILL
RALPH HOUSEMAN
GORDON WEGWART
WALTER WOLLASTON

Pledged

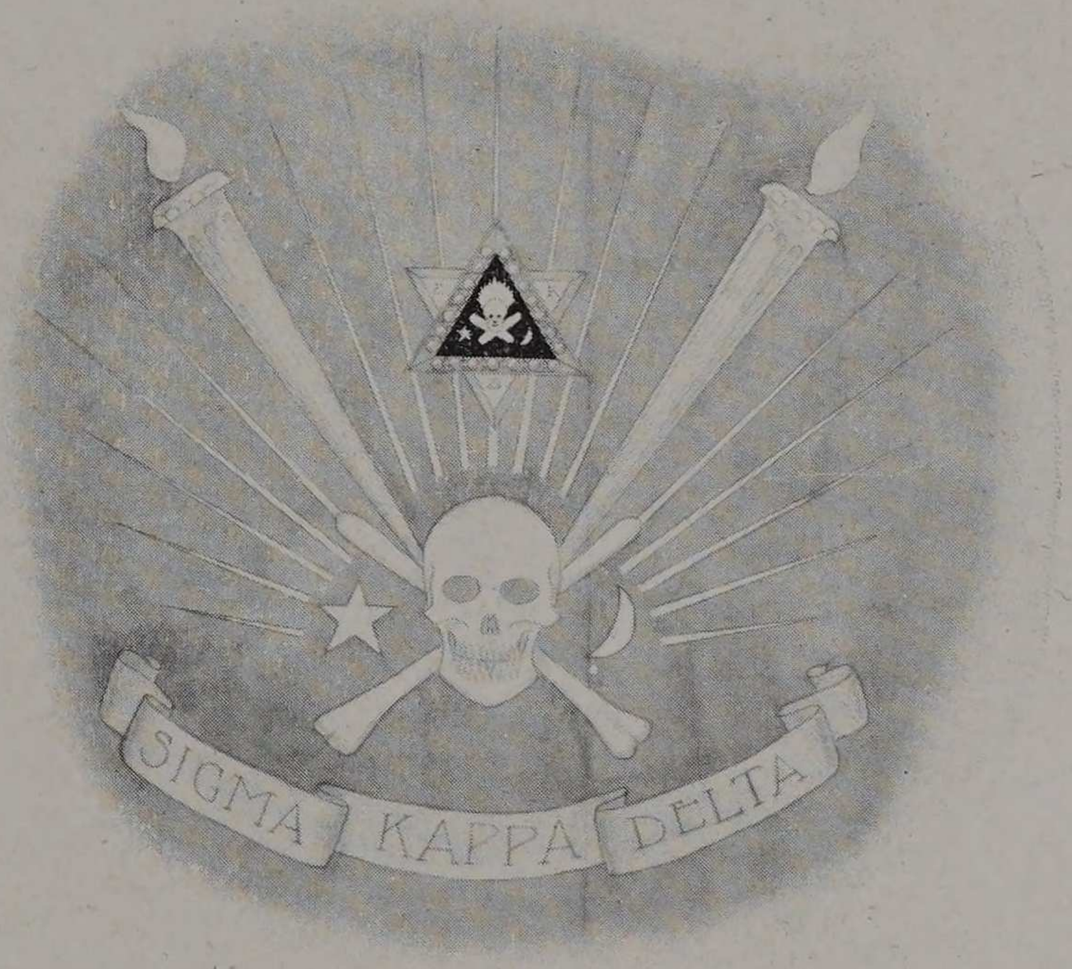
R. S. ADAMS
STANLEY L. EVANS
KARL D. KUBAUGH
L. NOTHELFER
HAROLD H. SHOTWELL
MARION ENSMINGER
BYRON ROYCE
M. HULLINGER
R. N. MANN
G. RYKERT
FRED FRIES
K. SEBASTIAN



Top Row—McHugh, Grasse, Echlin, Hook, Byanskas, Somers, Paterson, Wermuth. *Second Row*—Kubaugh, Pierre, Conklin V. Hupp, Wilcox, Penn, Downey, Vollbrecht. *Third Row*—Adams, Nothelfer, Shotwell, Pond, Wollaston, Porter, Bodholdt, Pfeifer. *Fourth Row*—Mann, Evans, Wegwart, Hasse, Houseman, Hullinger.



Omega Lambda House


SIGMA KAPPA DELTA

Sigma Kappa Delta

ALPHA CHAPTER

Organized September 20th, 1912

Faculty Members

STANLEY DEAN, Armour '05
JOHN J. GILBERT, Pennsylvania '06
JAMES C. PEEBLES, Armour '04
WILLIAM G. SMITH, Cornell '92

1915

J. FRIECE ADAMSON
WALTER L. BORROUGHS
OSCAR A. ANDERSON
BRADLEY S. CARR
FREDERICK L. CHIPMAN
FAYE N. COMPTON
ARTHUR MOELLER
STANLEY M. PETERSON
EARL W. PORTER
E. ALBERT SCHIFFERS
E. FRED SCHREIBER
CHARLES P. SCHULTZE
GUY F. WETZEL
CLIFFORD D. WIGHT
CHESTER F. WRIGHT

1916

WILBUR H. ARMACOST
FRED C. ARMSTRONG
FLOYD T. BOWER
JOSEPH C. DOLAN
GERALD T. DOUGHERTY
LAWRENCE L. EDLUND
LEROY J. ENZLER
JOHN K. MOWRY
OMAR G. O'GRADY

1917

RALPH H. EARLE
GEORGE M. FRITZE
FREDERICK P. STRAUCH
JAMES D. HARVEY
WILLIAM P. TRONVIG

Pledged

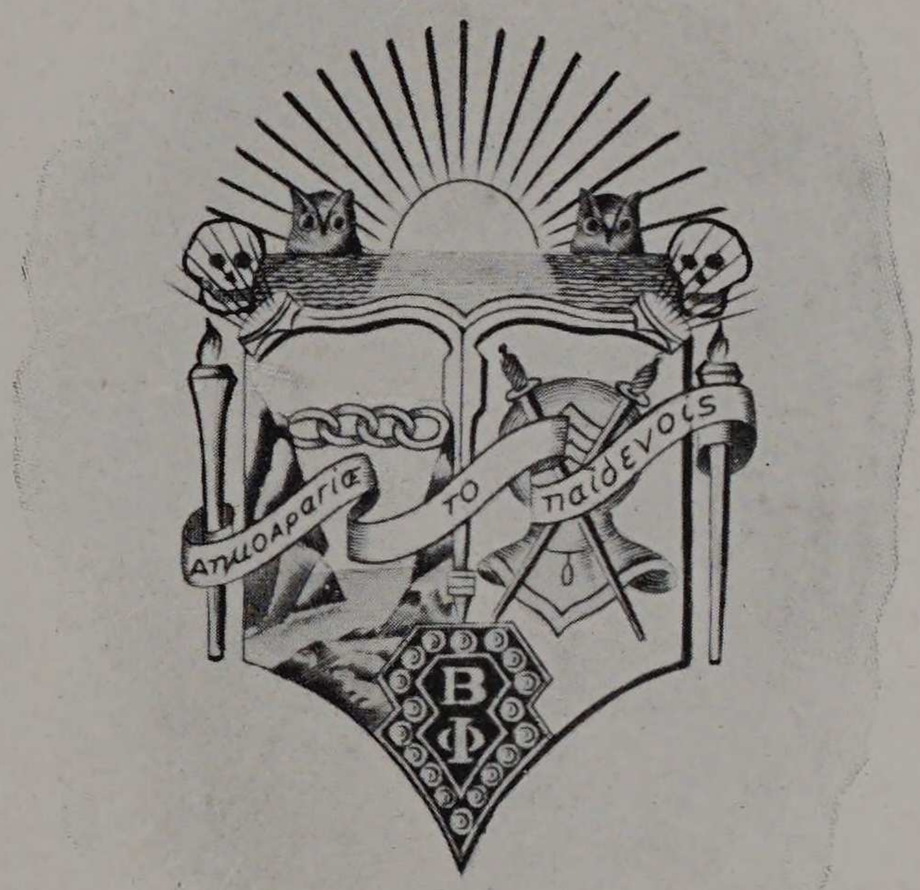
ARMIN L. SCHREIBER
D. C. DAYTON
HERBERT O. OLSON
O. L. HAILEY
H. W. PUSCHEL
HOWARD C. WILSON
P. A. WINDESHEIM
HUGH MCFARLANE



Top Row—Schreiber, Earle, Adamson, Anderson, Porter, Strauch. *Second Row*—Dolan, Schiffers, Dougherty, Schulze, Wright, Peterson. *Third Row*—Wetzel, Chipman, Mowry, Peebles, Lautz, Compton, Wight. *Fourth Row*—O'Grady, Enzler, Harvey, Edlund, Bower, Fritze, Armacost. *Bottom Row*—Carr, Dayton, Schreiber, Tronvig, Armstrong, Puschell, Olson.



Sigma Kappa Delta House


ΑΠΛΟΑΡΙΑΣ
ΤΟ
ΠΑΙΔΕΥΟΙΣ
Β
Φ

Beta Phi

FOUNDED AT UNIVERSITY OF CHICAGO, 1911

CHAPTER ROLL

Alpha	UNIVERSITY OF CHICAGO
Beta	NORTHWESTERN UNIVERSITY
Gamma	ARMOUR INSTITUTE OF TECHNOLOGY
Delta	UNIVERSITY OF ILLINOIS
Epsilon	UNIVERSITY OF IOWA
Zeta	UNIVERSITY OF MICHIGAN

GAMMA CHAPTER

Chartered March, 1913

Faculty

H. L. NACHMAN, Armour, '03 DANIEL ROESCH, Armour, '04

1915

F. L. FAULKNER HARLAN C. SKINNER
GLEN A. BARRAR SIDNEY SHAFFER

1916

LEONARD PETERSON GEORGE B. PERLSTEIN
JAMES F. HILLOCK HYMEN SHAPIRO
ERWIN EDELSTEIN CHARLES I. KUCERA
E. WALLACE MCDIARMID HENRY WILKENS
WILLIAM D. WORKS

1917

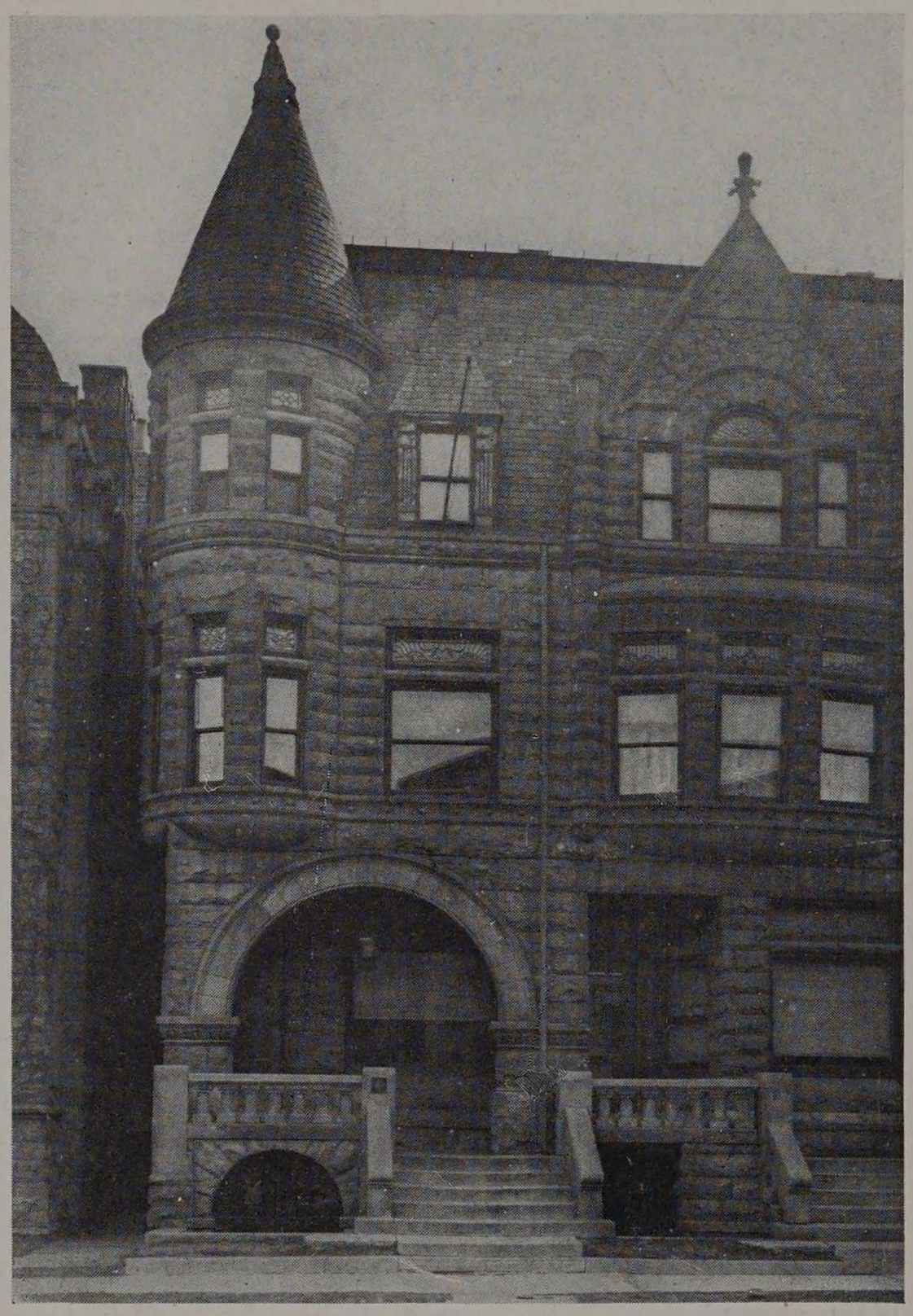
ALEXANDER E. NEWMARK ABRAHAM C. CORRNAN
ROBERT SCHREINER FRED DIERSTEIN

Pledged

GUY L. ANDRE ROBERT T. GASCHE
OTTO W. ARMSPAUGH HAROLD THURBER
ROY GOPPLESCHROEDER R. BERNARD KURZON
JOHN W. BEARING LESLIE WEISS
LORENZ MATTERN JAMES FLOWER
KENNATH TAYLOR



Top Row—Twery, Edlestein, Skinner, Wilkins, Kucera, Shapiro. *Second Row*—Peterson, MacDiarmid, Nachman, Faulkner, Hillock, Barrer, Perlstein. *Third Row*—Shreiner, Works, Newmark, Dierstein, Shaffer, Corman. *Bottom Row*—Kurzon, Weiss, Huber, Gopplschroeder, Armspah, Gasche, Bearing.



Beta Phi House


CLASSOCIETY


A I T

The Sphinx Society

The Sphinx Society, the honorary literary society of the Armour Institute of Technology was organized with the object stated as follows:—

"*Object.*—First, to constitute a board, well fitted by experience, to advise and in a general way supervise all student publications of the Armour Institute of Technology; particularly to arbitrate such questions as may arise, either between them and outside parties. Second, to constitute an honor society, providing a means of just recognition for services—such as are herein specified—rendered on student publications. Third, as a representative body of men of the college, to lend actively its influence and aid to every student enterprise or movement which is conducive to the best interests and welfare of the Institute.

"*Members.*—Each member of the College who has held, or who at any time holds, a position as an executive head (Editor-in-Chief, Managing Editor, Business Manager, or the equivalent of any of these) on any of the recognized student publications of the Institute—such men shall be entitled to membership in this organization. Further, by a unanimous vote of these men, any man not having held an executive position, but who has served for at least one year on any of the student publications, may be elected to membership, until the number of such elected men is not in excess of half the number of entitled members."

The Sphinx have been particularly active throughout the last year and have succeeded in bringing the publications to a really high standard.

Sphinx

Officers

EARL W. PORTER . . . . . *President*
CLAUDE A. KNUEPFER . . . . *Secretary and Treasurer*

Faculty Member

Dean L. C. MONIN

Members in College

C. LAWRENCE BOLTE
BRADLEY S. CARR
F. L. CHIPMAN
CLAUDE A. KNUEPFER
DAVID M. GOE
AL. N. GROSSMAN
J. J. JUCKER, JR.
LAWRENCE J. MCHUGH
EARL W. PORTER
WALTER H. RIETZ
CHESTER F. WRIGHT

Sphinx Society



WRIGHT KNUEPFER GOE ROOK
TRINKAUS GROSSMAN PORTER BOLTE JUCKER
RIETZ CHIPMAN CARR



The Honor "A" Society

The Honor A Society was organized in the spring of 1914 by the active athletes.

The fundamental idea back of the formation of the Society was that of bettering athletics in general at Armour, in that the organization would serve as an aid in bringing out material and would stimulate competition for places on the various teams.

To get things started, a petition was submitted to the Executive Council, who O.K'd the idea at once, and authorized the "A" man to carry out their plans accordingly. At the first meeting of the active athletes, a constitution was drawn up and officers elected. It would be too lengthy to include the entire constitution in this space, but a few of the articles given below will define the societies' purpose.

Article 2. Section 1. To serve as a working unit for all "A" men in discussion of athletic questions.

Section 2. To procure and preserve all records of Athletic Teams.

Article 3. Section 1. Any student of Armour Institute of Technology who has won a letter in any of the three major sports; Baseball, Basketball, or Track, is eligible to membership.

Article 5. Section 1. There shall be no regular meetings, except the annual banquet. Other meetings shall be called by the President.

Article 7. Section 1. The emblem shall be a 14 K gold block A, with stars engraved as follows:—A star for every letter won.

Letter won through Baseball shall be placed on the right side.

Letter won through Basket Ball shall be placed on the left side.

Letter won through Track shall be placed on each leg. One star for each captaincy on cross-bar.

The Honor "A" Society

Honorary Members

JOHN J. SCHOMMER
DR. H. B. THOMAS

Members in College

L. D. HOOK	*President*
A. S. ALTER	*Secretary and Treasurer*
L. A. KING	*Statistician*

A. S. ALTER
J. G. BROMAN
H. A. BRUCE
J. F. CHAMBERLAIN
F. G. COOBAN
K. V. HALL
B. J. HERMAN
C. HILL
A. KATZINGER
R. L. PASKILL
L. V. SOMERS
J. E. SULLIVAN
T. J. SULLIVAN
T. W. TIERNEY
G. G. TRINKAUS

"A" Society



KING SCHOMMER T. SULLIVAN HOOK HILL
BRUCE CHAMBERLIN SOMERS COOBAN HALL PASKILL
TRINKAUS SULLIVAN ALTER TIERNEY

The Radical Fx Society

Founded April 1900

Members

1915

J. A. Agee
F. L. Brewer
J. F. Chamberlain
F. G. Cooban
C. Gleason
L. D. Hook
J. J. Jucker, Jr.
C. A. Knuepfer
J. R. LeVally
E. D. Pierre
W. H. Rietz
E. A. Schiffers
H. P. Sherwood
T. Sullivan
I. R. Swanson
F. H. Wagner
H. E. Willson

1916

C. L. Bolte
R. F. Durant
E. Echlin
L. Enzler
C. Hill
E. R. Eames
D. M. Goe
E. W. Mann
L. J. McHugh
F. L. Pond
J. Sullivan
H. L. Wallbrecht

1917

G. L. Andre
G. Burns
H. W. Hanchette
E. S. Harmon
S. Evans
L. K. Fritts
H. G. Ingraham
L. E. Mellor
P. J. McGrath
W. F. Roberts
E. H. Smith
E. P. Stranberg
W. H. Stubing
G. H. Rice
William Vollbrecht
W. Wollaston

1918

H. W. Bretting
S. L. Evans
R. N. Mann
F. J. Quinn
H. H. Shotwell
W. J. Wignall

Senior Radics



Schiffers Wagner Goe Sullivan Hook
Pierre Willson Brewer Cooban Rietz Jucker
Kratz Chamberlain Agee Conklin Sherwood Knuepfer

Junior Radics



Echlin Pond Wallbrecht Mann Sullivan Hill
Mowry Enzler McHugh Durant Dougherty

Sophomore Radics

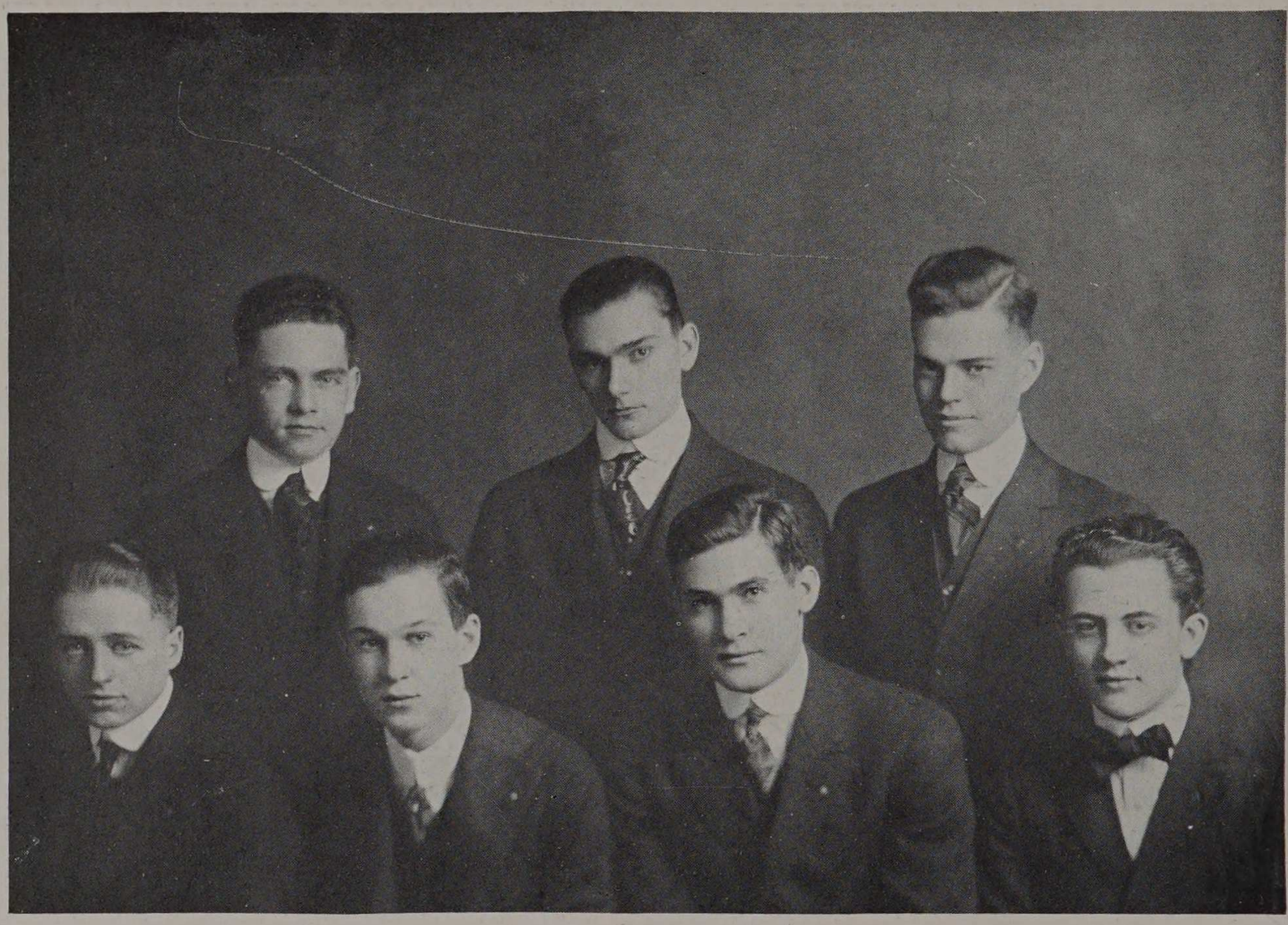


STRANBERG
INGRAHAM
BURNS

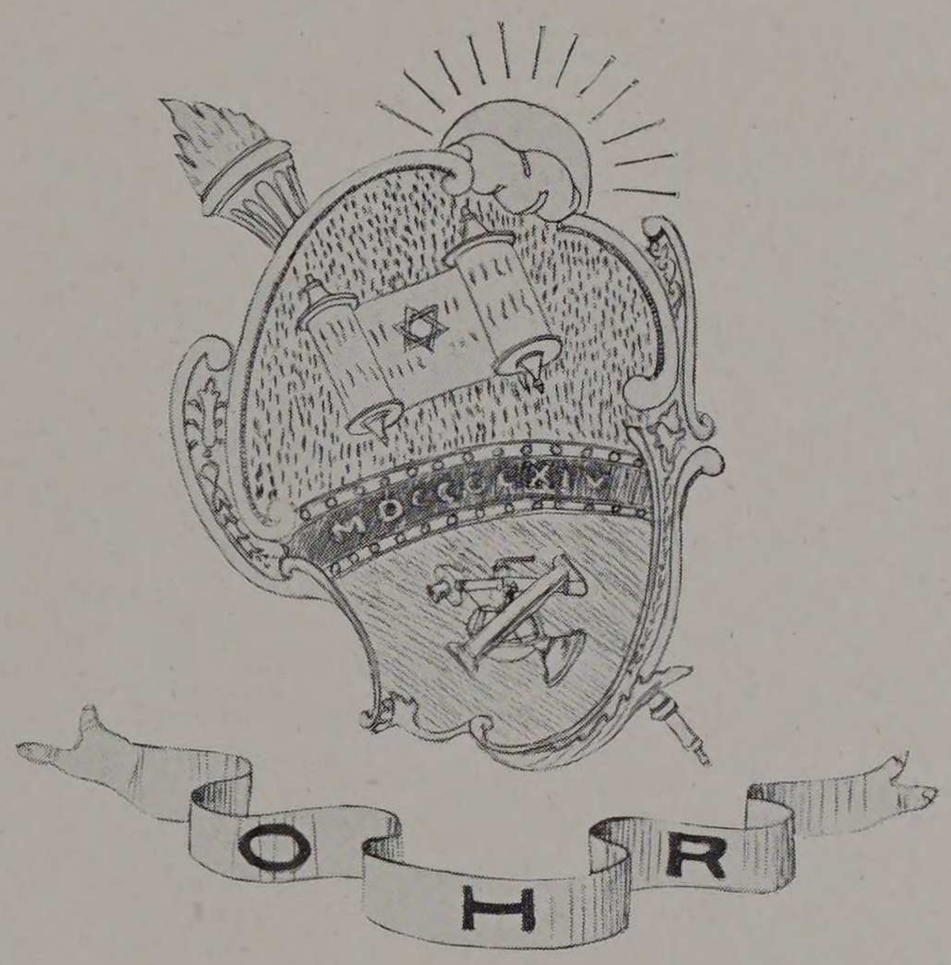
MELLOR
HANCHETTE
SMITH

MCGRATH
FRITTS
ANDRE

Freshman Radics



O'Neil Nothelfer Wignall
Evans Shotwell Bretting Puschel


MDCCCXIV
O
H
R

The Ohr

Organized November 16, 1914

1915

Alex. N. Grossman

1916

Samuel N. Abrams
Sidney C. Finkelstein
William Hankan
Harry S. Katz
Samuel E. Sosna
Benno B. Sostheim

1917

Edward Friedman
Herbert J. Goldsmith
Julius Goodman
Bertram Robechek
Myron Summerfield
Nathan Steindler

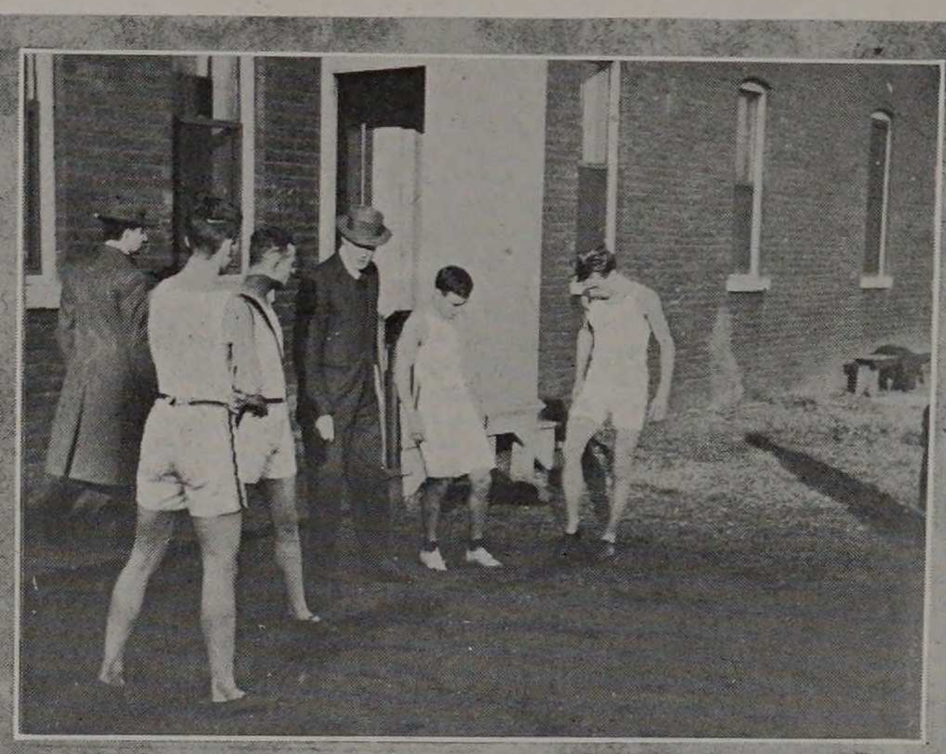
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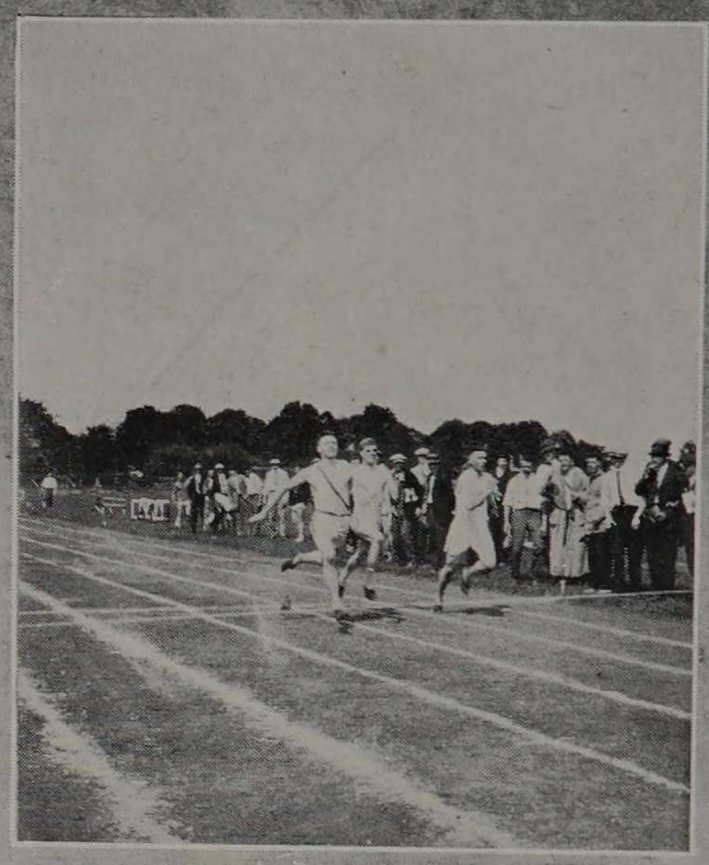
Raymond Anthony

The Ohr Society



Finkelstein — Summerfield — Katz — Sosna
Sostheim — Abrams — Grossman — Hankan — Robechek
Goldsmith — Steindler — Friedman — Goodman













SNIPS & SNAPS

SNIPS & SNAPS
CAMPBELL CALCULUS.
CHEM LAB.
ELEMENTS OF ELECTRICITY
DUFFS. PHYSICS.
ASTRONOMY.
MECHANICS.
THEORY OF LIGHT
KIDDER
HEATING & VENTILATION
TRIGNOMETRY
STRENGTH - MATERIAL
MECHANICS CHURCH
BUSINESS LAW

Snips and Snaps

Begin a History of the Year 1914-1915, at the Armour Institute of Technology.

Pardon us, dear reader, for intruding upon these pages but we certainly think this is some book. That we have not written a better book is not our fault—had any others been written as well we would not have attempted one at all. That many will hereafter spring up and probably surpass us in excellence, we have very little doubt and still less care; knowing full well that after one book is written a thousand others could do much better. If your name, dear reader, is not enrolled in these presents we congratulate you. Should any reader find matter of offence we would heartily grieve, though we would on no account question his penetration by telling him he was mistaken—his good nature by telling him he is capticus—or his pure conscience by telling him he is startled at a shadow. Surely if he is so ingenious as to find offence where none is intended, it were a thousand pities he should not be suffered to enjoy the benefit of his discovery.

THE EDITOR

If aught of what you read below
Should stir your anger, hurt your pride,
Be wise, and learn what you should know,
We aim to aid, not to deride.
Every knock is a boost
For the people who roost
Too high in their own estimation.
Every slam in the book,
Tho' it may seem unfair,
Tends to lessen cerebral inflation.

The Senior's Dream

Old Armour, by the railroad line,
That rocks and trembles every time
A passing train's swift undulations
Sends tremors through its deep foundations.

We who are leaving in the spring
Now to thy feet our tribute bring.
To lay upon thy murky shrine.
"All honor and respect be thine."

In times, when from the busy mills,
Or running lines across the hills,
Or rearing buildings to the sky,
Our thoughts shall turn to days gone by.

And, carried swift in memory's dream,
Return to thee, and we will seem
To sit again before the dons
To crib our books and stifle yawns.

And, in our fancies, see once more
Faces of friends known here of yore,
And wander through thy smoky halls
Enclosed within thy blackened walls.

Here, through the "Mech Lab," first we stroll;
A crowded, greasy, gloomy hole,
And see again where we went through
The mystic rites, x r and q.

And flow of air, hydraulic head,
Friction of oil and centers dead,
And all the wise concatenations
Of theory's considerations.

Into the wash room, too, we go
And see the tanks there in a row,
And think of the recorded fakes
To cover up our raw mistakes.

Then up the stairs where dynamos
And motors stand in even rows.
Where E and I and R conspire
To send their thrills through tangled wire.

Across the hall, where tier on tier
The myriad volumes gathered here
Awe us to silence as of yore
When struggling with their complex lore.

And still in silence we pass by
That room with door and windows high
Wherein, in thoughtful pose, is seen
To work and plan, the learned dean.

And yet another stair ascend
Where through the stained glass doth descend
The light whereby a youth may walk
Unless he destiny would balk.

And on the floor above we find
Sights that of agonies remind.
The Physics Lecture Room is here
That cramps the heart with nameless fear.

And other rooms wherein we sought
To grasp the things Professors taught,
Of Chemistry, Design, and Statics,
And mysteries of Mathematics.

"dx of y" and integration,
Here filled our souls with consternation,
And on the slated walls around
Cosines and sines may still be found.

Here in this hall, in days of old,
The Dean his wisdom would unfold,
And tell of all the wondrous beauties
Outside of engineering duties.

Above, the well-appointed gym,
Where athletes keep in perfect trim
And daily exercise and train
Old "Armour's" honor to maintain.

Across the street, in deepest gloom,
The Physics Lab still scarce finds room
For ancient apparatus prized
Like Archimedes, fossilized.

And here, beyond another street,
The shops, with lathes and forges, greet
Our gaze, remembering well the time
We labored here in sweat in grime.

Behind its fence of iron rods
The athletic field and —O, ye gods—
Fit complement of noble scenery,
An artifice sublime, "the beanery."

And in the Mission, last of all
We come to the Assembly Hall
Where prex would better our condition
With eloquence and erudition.

At length outside we come again
Into the world of busy men;
Back to the world of toil and grime
Leaving our memories behind.

All honor to thee, Institute,
Old "Armour," midst thy dust and soot,
This thought will fill our bosoms then;
"Ah, to be back there once again."

William Paterson, '15.



Sixteen—the only Class

The Retort Courteous

"Wars, conflagrations, deluge," says Aristotle, "destroy, nations and with them, all their monuments, their discoveries, and their vanities. The torch of science has more than once been extinguished and rekindled, a few individuals who have escaped by accident reunite the tread of generations."

The same sad misfortune which has happened to so many cities will happen again, but, in the case of the professions, most of them will never be extinguished for their early history has been recorded; their origin, their foundation, together with the eventful period of their youth has been filed on the shelves of libraries for the use of future generations. This, however, would not have been the case with Civil Engineering if I had not snatched it from obscurity in the very nick of time; in the moment that these facts herein recorded were about to enter into the insatiable maw of oblivion.

Just as the tender suckling saps the strength of the parent stalk, or the malignant parasite the vigor of the mighty oak, so the various forms of engineering-Chemical, Electrical, Mechanical, Fire Protection, and, horror of horrors, finally Architectural, have attempted to undermine and outshine the glorious past of Civil Engineering; the progenitor of all engineering professions as I will show farther on.

Fortunate, therefore, is the Civil Engineering profession to have me begin in this little essay a history to serve as a foundation on which other historians may hereafter raise a noble superstructure, swelling in the process of time until this history will be equally voluminous with Gibbon's "Rome".

Harking back to the origin of man, we find him in the Garden of Eden, depending and inclining to the seduction of woman as he will until the end of time. In peace and quiet, without a thought of the morrow, he rests at ease, but, unfortunately for himself and all future generations, by one act all this is changed and the edict of banishment is passed. (These facts are taken from authentic records of the time and the reference may be obtained from the author upon application.) Suffice it to say that the lease was broken and there was no chance of a renewal. (Historians are inclined to set the date as May first.)

Now comes the first point in our argument to show the antiquity of Civil Engineering. Adam was ordered to leave the Garden of Eden. In order to leave there had to be a road. Now, as the Latins playfully remarked in times past, "Ergo stat difficultas," but for a true historian no difficulty exists that cannot be surmounted. So if we consider that Adam was the first man as well as the only one in existence, the difficulty is easily circumvented. All we have to do is to have Adam build a road; very simple, is it not? Since he had to have one, that is exactly what he did. Therefore, since Adam built a road to leave Eden he became at once a Highway Engineer. But a Highway Engineer is a Civil Engineer. Therefore, since Adam was the first man, he was also the first Civil Engineer.

Thus we establish the antiquity of the profession and, since there is no record of a boulevard lighting system, we must necessarily drop the electricals at this point and incarcerate their hopes for fame in one of their own arcs.

Passing over the many and glorious feats of engineering performed by those following Adam, and allowing the reader to seek through the records for his own satisfaction, we come to Noah, who built the Ark. (No hope for the electricals to horn in here because Noah's Ark is distinct from the electric arc, as may be seen from the spelling.) This piece of magnificent work was not one of architectural beauty, but was necessarily massive and substantial. As only a Civil Engineer could design such a vessel, Noah was, therefore, a Structural Engineer, and was one without the aid of an architect. Thus we have eliminated the architects from any claim to antiquity, and have advanced the shining star of the Civil. Nor can the mechanical claim any glory at this point of our argument, for the motive power of the ark was a negative quantity. It was allowed to drift, not at will, but guided by One in Whose hands is the destiny of all.

We might continue citing examples "ad infinitum," but we think that our work is completed as we have absolutely proven in a logical unassailable argument that Civil Engineering is the oldest known profession and as such should be given its place in the niche of time, and proper steps should be taken to prevent the encroachment upon her fame and good name by any popinjay upstart.

N.B.—We do not consider the chemicals worthy of our notice.

It's a Long Way Home

Scene—A railway car bringing the tech team home from Galesburg May 2nd, 1913, where the tech lost mainly by their fielding, a total of ten errors being made.

Players lounging around on seats: Coach Schommer walking up and down the aisle.

Schommer—Trinkaus where were you on that hit and run signal Hook gave you in the third?

Trinkaus—Where was I, Why Coach the minute Hook gave me the signal their whole team had it.

Schommer—Did you know what the signal was?

Trinkaus—Why sure, but what could I do?

Schommer—Why didn't you give another signal?

Trinkaus—I'm not running the team.

Schommer—When you boys get in there you forget everything thats ever been taught you.

Trinkaus—The luck was against us.

Schommer—The luck was no such a thing, you could have had ten runs just like that, it wasn't the lucks fault or Knox's fault, it wasn't anybodys fault but your own fault.

Trinkaus—I gave you the best I had coach.

Schommer—I know it Trinkaus, but its a dag gone shame to have the game in your hands and throw it away—what are you doin there Hall?

Hall—Just lookin at a paper.

Schommer—You'd better get out the signals and plays and look at em, that's what I want you to do all week study those signals and plays, if you could carry the signals around in your pocket during the game you'd be all right. But instead of that you get on the field and the signals are in the dressing room and you can't look at em. The place for the signals to be is in your head instead of that you leave em in the dressing room on a piece of paper.

Hall—Uh-Uh.

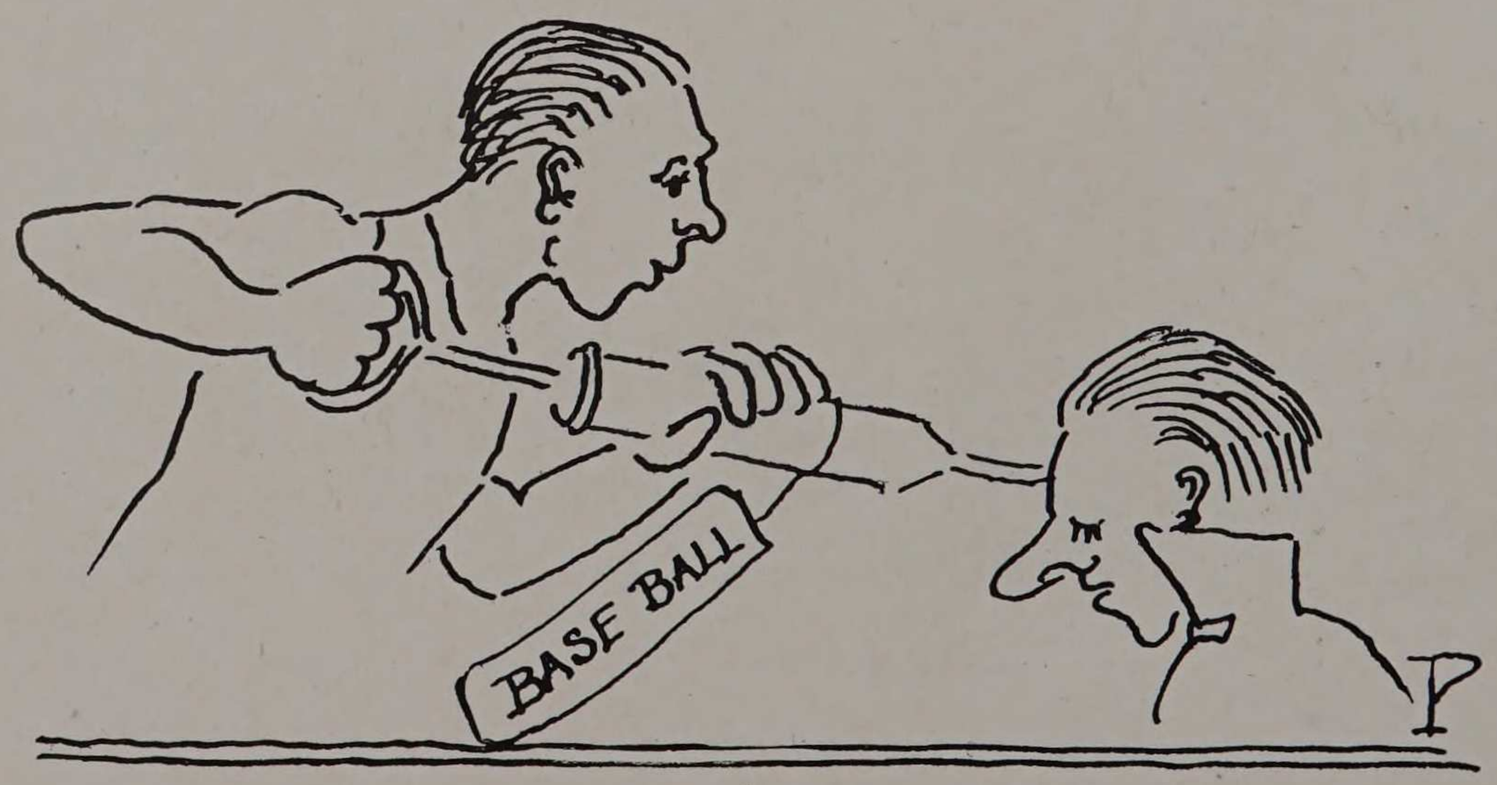
Schommer—What were you doin thinkin up a new play.

Hall—I couldn't get over there, that ball was out of my territory anyway.

Schommer—Of course it was out of your territory but if you'd a been where you should have been you'd a been where the ball was hit. (Coach pulls out pencil and paper) You should have been right here, instead of that you were right here. No wonder it was out of your territory.

What were you thinkin of "Dutch"?

Herman—I guessed I pulled a boner coach.





Schommer—You must have been afraid we would have beat them too bad.

Herman—I pulled a boner.

Schommer—What have I been telling you all spring with a man on third and a ball hit like that you were to come in and take the throw at third and Hall was to come up and Sullivan cover second.

Herman—It was my fault coach.

Schommer—It wasn't all your fault "Dutch." Why didn't some of those infielders tell you when they knew you were doing the wrong thing? Were all you fellows dumb? And when Hook saw Hall was in the wrong place what did he let you throw the ball for? Why didn't some of those infielders holler? Were all you fellows dumb? Why didn't you say something Sullivan?

Sullivan—I had all I could do to handle my own work.

Schommer—Well if you had all handled your work right they couldn't have beat us even with our bone head playing.

Fulcrum reporter—We'll get em next game.

Schommer—Yes next game, Mebbe we'll get em next game and maybe we wont. But we had em this game and all we had to do was use a little common sense. It didn't take any brains. All you fellows had to do was keep your eyes open and remember the signals. The whole game could have been won just like that.

A Rooter—We outplayed em at that.

Schommer—It doesn't get us anything to out play em, they got seven scores and we got five. Thats all there is to it. Those seven scores are a whole lot better than out playing them, but if you fellows hadn't been unconscious we'd a had ten scores and they'd had about four, then we wouldn't have to be talkin' about out playing them.

Trinkaus—I gave you all I had Coach.

Schommer—I know you did Trinkaus.

Trinkaus—I did all I could.

Schommer—I know you did but what was you waitin for on that bunt in the fourth.

Trinkaus—I was waitin for the hit and run I thought I caught the signal.

Schommer—Yes and you waited till Hill threw a mile over Paschals head instead of backing up first base. The trouble is you boys forget all you've been taught the minute you get out there. What was the matter with you Broman? I thought I told you to cut out that half balk motion. Who do you think you are? Ed Walsh or some other big leaguer.

Broman—I did—

Schommer—I know you did make it and got caught and had a balk called on you.

Broman—I mean I cut it out but just as I was ready Hill crossed signals on me.

Schommer—That's no way to do pull a boner and blame somebody else for it.

Hill—It was my fault Coach I thought Hook was playing too far over for the

batter. He might have hit a curve and got a fly so I wanted Broman to dish up a spitter and mebbe the guy would have hit a roller to Bruce and he was playing in close and could have got it easy.

Schommer—Yes that's the trouble with you fellows every one wants to think for the captain, Hook is captain and he has played against these teams for two years and knows where to play em or at least he ought to and I think he does because at times he shows flashes of intelligence.

Hook—I was playing that guy right. He couldn't hit a balloon and even if he did and got on it,wouldn't do him any good because he runs like a sewing machine, up and down all in one place.

Schommer—That's another trouble with you men. You underestimate your opponents. You shouldn't do that. They have some brains and get pretty near as good coaching as you fellows do.

Trinkaus—I gave you all I had Coach.

Schommer—I know you did Trinkaus. But what you boys need is to have your heads examined. A little common sense would have won a baseball game and mebbe the Little Five Championship. We could have won it just like that and that. Huh?



"Charity"

Charity begins at home but she doesn't stay there. At all the social affairs we have attended she has been present and at these we have heard of her exploits at others to which we could not go for lack of time.

The way she has been preempted by eligible Armourites one would think she was a regular government homestead.

She says "Marriage is not for me, I have a life work, I must advance women's cause in the world and I choose as a means architecture."

That's what they all say but I notice they are building new school houses every day.

Co-ed—noun—improper, feminine, objective case. The latter because numerous students have a case with the coed as the object of their affections.

"Fond Memories"

CO-EDUCATION

The student looketh to his purse and sayeth, "I will upon me get a most extraordinary hump, and bone and grind, and will take unto myself a prize or two; for lo, my purse is very low." And so he doth; he grindeth, and he boneth, and he humpeth himself most mightily. Yea, verily, he buyeth himself a horse and troteth; and behold, he useth that horse very hardily.

And lo, when he bringeth forth his purse to take a prize or two, behold, there cometh a young woman who doth take them all, and his name has become a mockery and a byword.

"IN THE LAND OF FUSSDOM"

Having His Way

She: But what good would one little kiss do you?

He: Oh, it would establish a precedent.

The Sunday nights when the fire burned low—and the lamp too—hold a hallowed place in the memories of every normal life.

The low fire and the low light have cast a softened glow that reaches all the way to the grave.

They who are grown old and heart hardened may sneer at it now and think that young hearts should be calloused as old ones are; but time was with all of us when we looked forward through the six days of the week to Sunday night as the golden time of the week.

The man whose youth was never mellowed by a Sunday night kiss, stolen from not too unwilling lips, has missed half his life.

And our fathers did it, and our grandfathers, and our greatgrand fathers. It is an ancient custom that did not originate, with our own youth or fare with it: the children do it in spite of frowns, and our grand children will, and our great grand children. Generations come and go but Sunday night sparking remains.



At the Colonial Club

She: But we can't dance upon this carpet.

He: But this is a rag carpet.



Prof. Campbell's (Architect) Smoker Interpretation.

Diplomas

I intend to say a few words on a subject of greatest interest to all of you, viz-Diplomas. The diploma is a mysterious bird, found in almost all parts of the world where young people are tolerated. It is generally seen in college yards during the month of June, and large bodies of students engage in the exciting pastime of chasing it. However it is a very wary bird, and only after years of practice and study can it be safely bagged. When a student has bagged a diploma he is likely to become rather vain, and that reminds me of an incident that occurred to a friend of mine. After a number of years spent in pursuing a diploma in the midst of dark class rooms, over deserted campuses, and among wild tribes of college frats and societies, he finally brought one to earth with a seventy five average gun. Proud of his conquest he carried his quarry to a friend, the president of a bank. "Behold my diploma," he cried, "resign forthwith that I may take your place." The president spent several moments in admiring the beautiful scroll work, for he had never received a diploma himself, and then read the signatures that certified to Willie's having scaled the college walls. At last he said, "Now Willie, if you promise to be good and forget you have a diploma I'll let you work in my bank for $10 per."



The lesson of all this is that a diploma is a certificate to prove that the recipient is now competent to go out in the world and learn something.

That's Us-Like all his Kind

"Let me see," said the editor to a new acquisition, a graduate of the college of journalism. "I hardly know what to put you at."

"Until you decide," replied the grad., "I'll sit down and write a few leading editorials."

NOT ENOUGH

He: I'd like to propose a little toast.
She: Nothin' doin,' kid! I want a regular meal.

As Dean Monin tells them

At a dinner given by Booker T. Washington, there were as guests a negro and a southern colonel. Being prejudiced against the negro, the colonel was greatly embarrassed throughout the dinner. The following day, the colonel, when asked about the dinner, gave the reply, "I didn't know just how to treat the negro. In addressing him, I did not wan to call him 'nigger' for fear of offending my host, so I just called him 'professar.'

Advice from the Dean

Freshmen: Isn't it possible to take less than the regular course.

Dean: Sure, it all depends on what you want to make of yourself. When God wants to make an oak He takes one hundred years, but He only takes two months to make a squash.

Poor Father

Dean to Prospective Student: What is your father's business?

Prospective Student: He doesn't live with us, my mother supports me.

Dean: Well then what does she do?

P. S.: Oh, she gets paid for staying away from father.

Selecting His Course

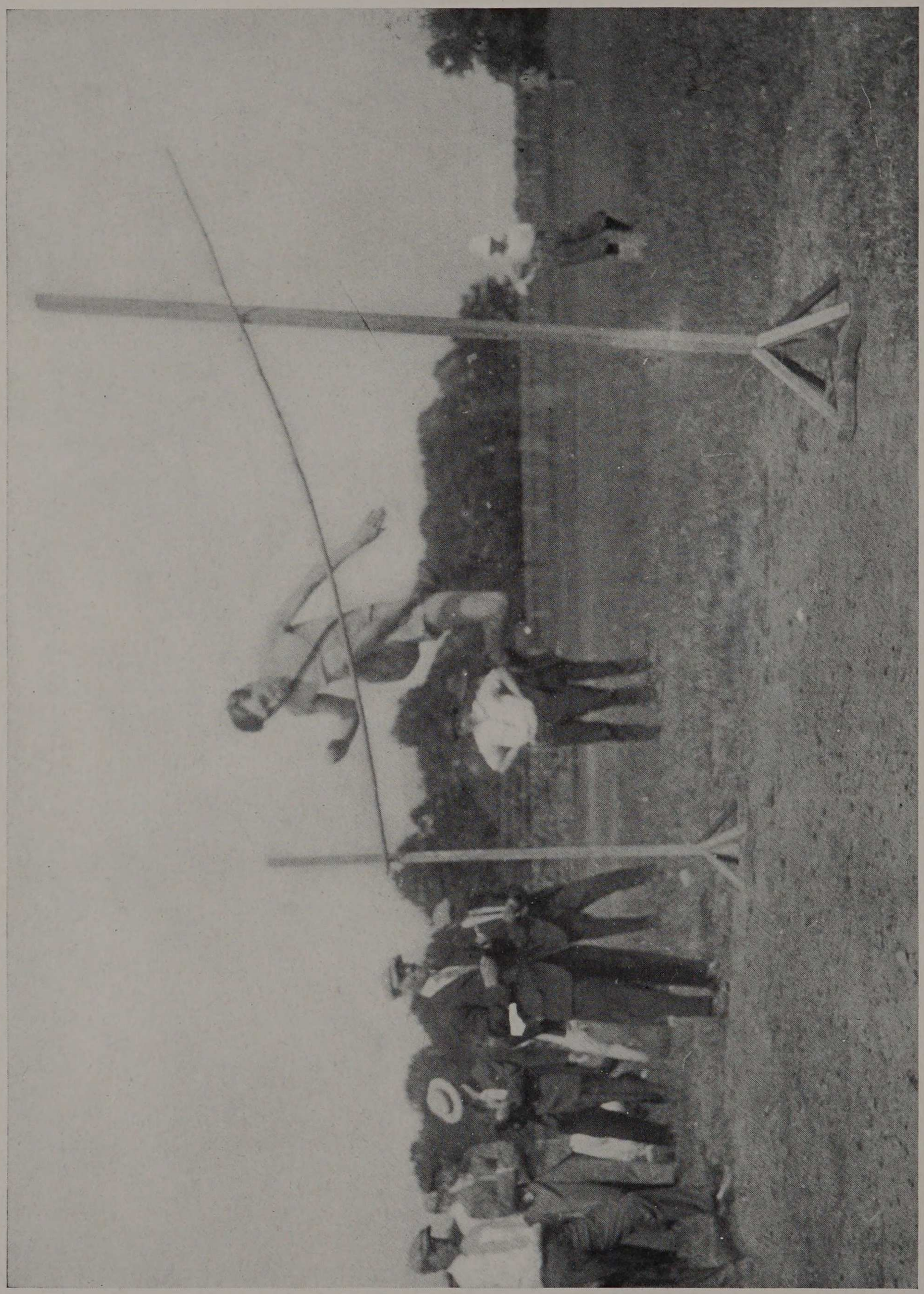
Dean to Sophomore: What course do you intend to graduate in?
Wise Sophomore: In the course of time.

You can lead a man to college but you cannot make him think.

That's the Way it Looks to Us

"Well Dad?"

"Did you pick out that suit of clothes of your own accord, or is it a part of the hazing you have to go through with?"

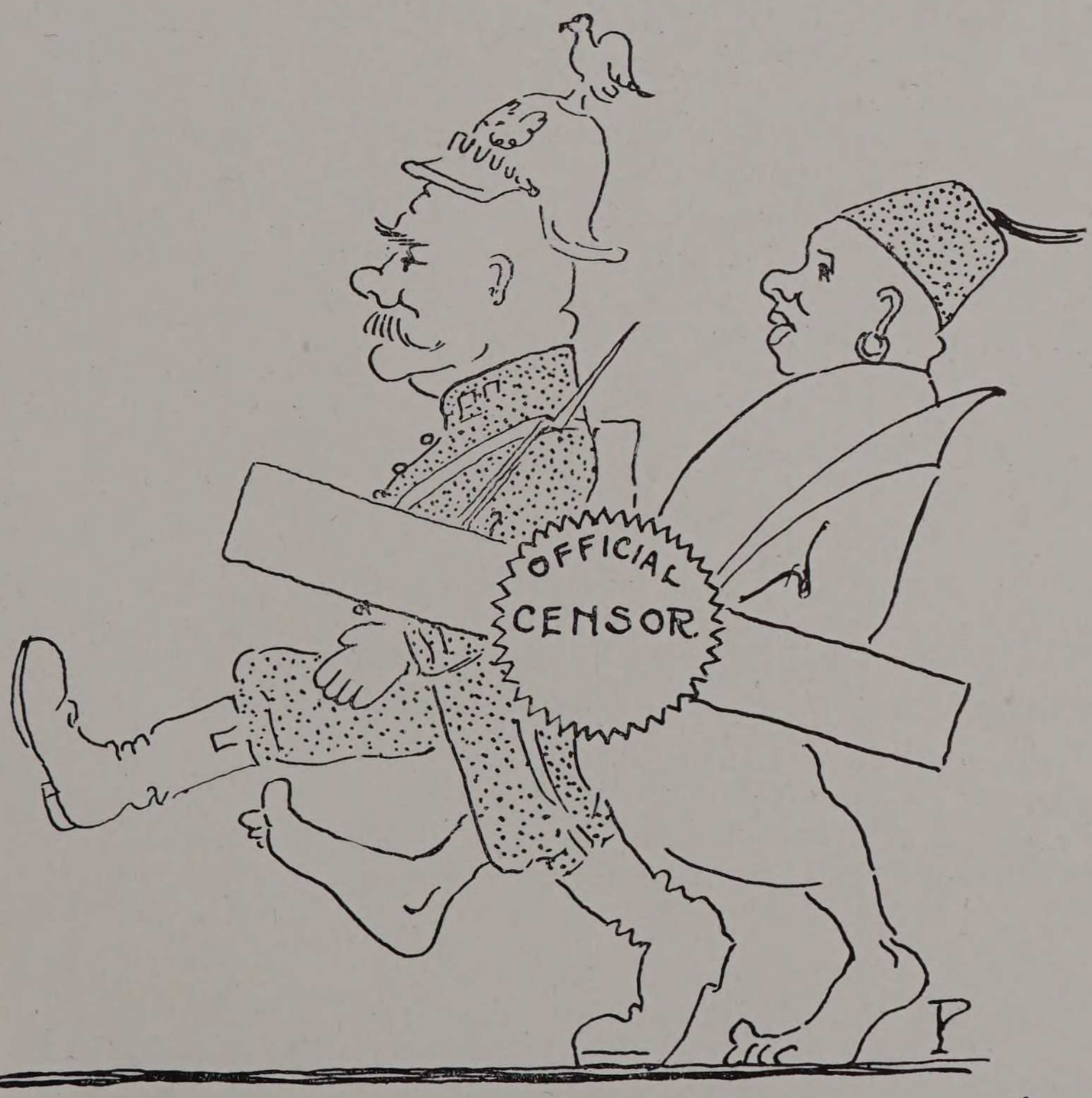


BARF '14 BREAKING CONFERENCE RECORD AT 5 FEET 8 INCHES

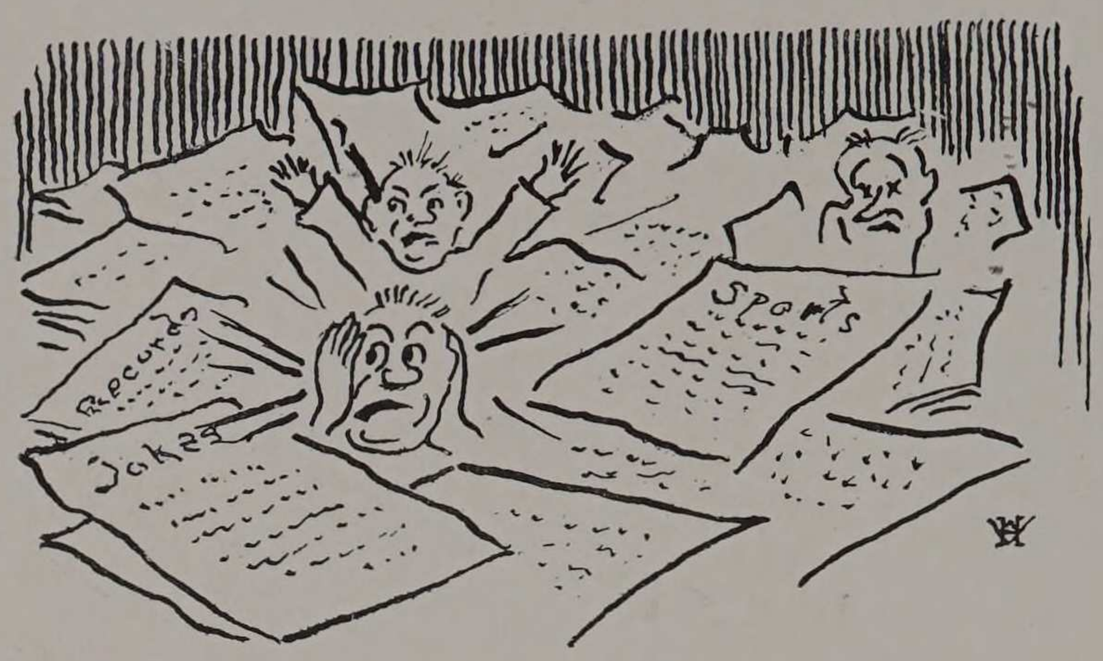
TECH CHAMPIONS

Following the custom set by previous volumes, we herewith present our 1914 list of Champions.

Champion Bluffer	Joe Sullivan
Champion Knocker	Nach (Knock) Man
Champion Spanish Athlete	Grossman
Champion Money Collector	J. J. Jucker, Jr.
Champion Sleeper in Class	Deitenbeck.
Champion Disturbers	Those Senior Chemicals.
Champion Grower of Mustaches	LeVally
Champion Members of Societies	Borroughs & Pfeifer
Champion Dance Attender	This title is reserved for Charity
Champion Dropper of Subjects	Gillidette
Champion Speller	Gillidette
Champion Lender of Makin's	J. C. Dolan
Champion Wise Man	Altman
Champion Politician	J. C. Dolan
Champion Lady	Summerfield
Champion Busy Man	Knuepfer
Champion Reducer of Relative Sizes	"Pa" Phillips
Champion Visitor to Dean's Office	McHugh



"ES IST SEHR WEIT ZU TIPPERARY"



Unlucky he whom duty calls
To serve upon the "roasts"
committee;
'Tis not the victim of the pen,
But he who writes deserves
the pity.
If you are one of the many
Who don't receive any,
You're plainly unworthy to
share it.
If your blunders and breaks
Get a knock, Goodness sakes!
Just try to be patient and
bear it.

The Student

I will not call him a dig or a grind, lest he fit the appellation to someone else; he thinks of himself simply as a student. If, after an afternoon at an exciting ball game, you break into his room and demand why he was not out to see the fun and help "whoop her up," he will look up at you through his glasses in mild surprise and say, "I hadn't the time to spare. I have been working all the afternoon on my theme, and I haven't it done yet."

And, as you hurry off to your room to scribble off your theme in about fifteen minutes, to the accompaniment of an excited discussion of the game, you pity from the depths of your heart the poor fellow who has "wasted" so much time on his. But when, in class, his theme is read as a specimen of good work, and yours as an awful example you begin to wonder whether you or the student derived the most pleasure from the afternoon.

A Study in Class

His attitude expressed desire
Of hearing, learning, knowing more.
His very eyes lit up with fire
At the Professor's learned lore.

"A modern David, it is sure"
Cried I, and craned my neck to note
What, with reflective look demure,
He, in his college notebook wrote.

To the next man he passed his book,
And this is what the message said:
While he resumed his David's look,
"Yes, I *will* take the girl in red."



The Professor was Willing

The Gushing Young Thing---Oh! Professor! you must come to our affair to-morrow. All my friends are coming though they say they haven't a rag to wear.

He: I shall be delighted.

Some professors were once students themselves but we don't know what that gets them, or us.

Any Sophomore: What is your honest opinion of this exam. paper?

Prof. Wilcox: It is worthless.

Sophomore: I know but tell me anyway.

Wells (entering late): I was caught on the telephone with a conversation."

Prof Reid and another man came out of a store. Mr. Reid is Scotch and the other man hadn't bought anything either.

He'd Raise Them

Math Prof.: How do you make V equal X?

Sporty Stude: If I only knew, I would'nt be broke so often.

Prof. Dean (Hydraulics): "I am not an expert on fire hose or *fire water*!"

Grind: Fine sunrise this morning.

Stoode: I don't know, I always get in before that.

Prof.: What do you intend to do after you finish school?
Student: Nothing definite the first year, but to come back for the class reunion.

Cohen: How did your son get through his examination?
Isaacs: Splendid, Mr. Cohen, he failed.

At the Sigma Kappa Delta Party

Fair maiden to Porter: What a finely chiseled mouth you have, it should be on a girl's face.

Porter: Well I never miss an opportunity.

An Appreciation

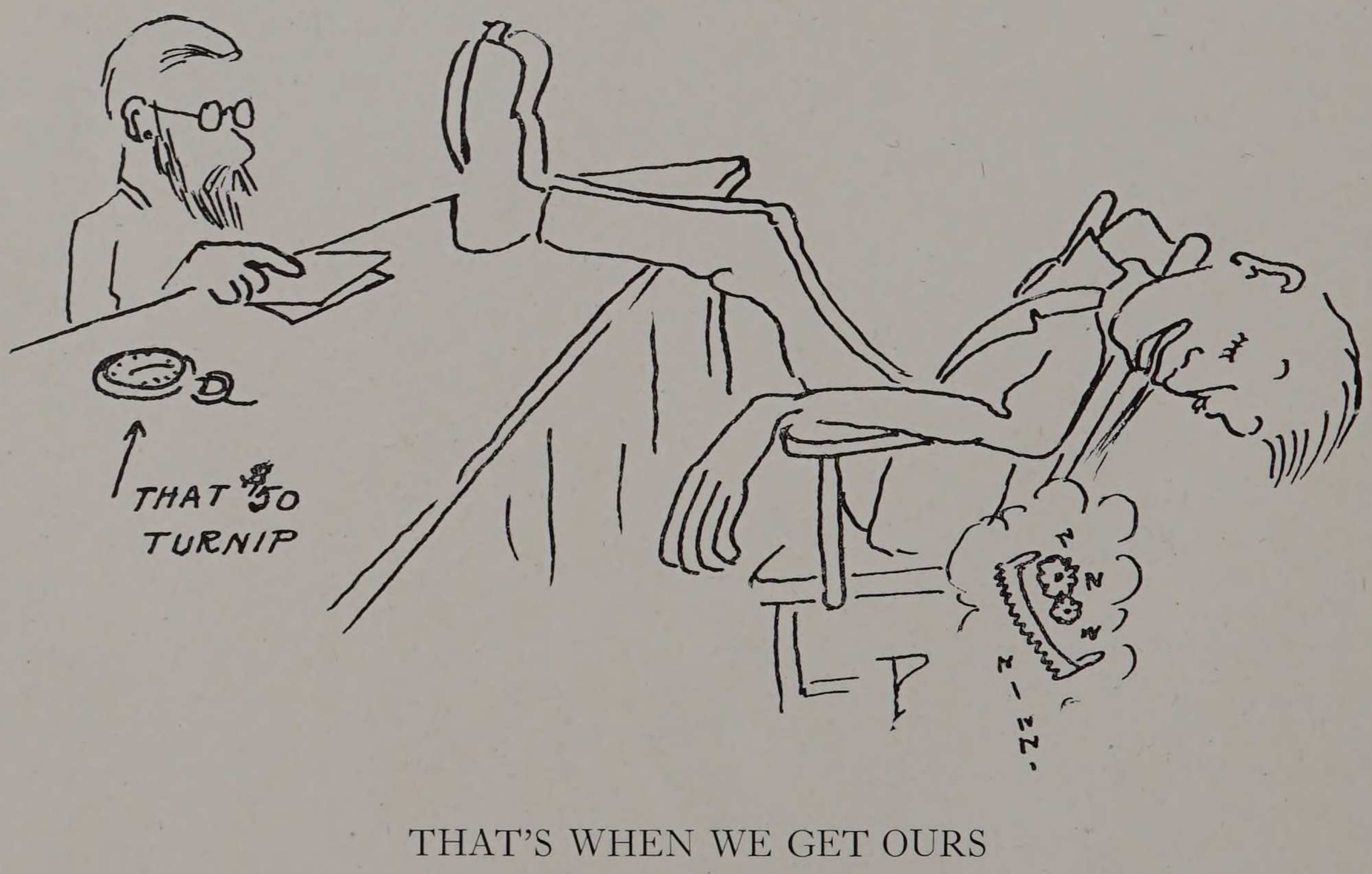
(To Geo. W. Trinkaus, who has so ably edited the "Exhaust" Column of the Fulcrum for the past two years)

You've laid away the cap and bells
To don the cap and gown.
You've dropped your smile, which pleasure spells,
To wear a solemn frown.
A sheepskin takes your baubles' place;
A speech supplants a song;
No puns your dignity disgrace,
While jests are sadly wrong.

You've laid away your youth and mirth
To shoulder weighty care;
The time has come to prove your worth,
And manhood's task to bear.
And though I fain a manner gay,
A tear-drop trickles down,
As cap and bells you've laid away
To don the cap and gown.

Student in Biology: That is a garter snake.

Co-ed: That little thing? Why it is ever so much too small.



THAT'S WHEN WE GET OURS

Fond Mother: But John when do you have time to sleep?

John: Oh, I'm taking four lecture courses a week.

College Men

When Jack and I to college went
  I thought I'd lead the way;
I thought I could with good intent
  Bring everything my way.

Now, Jack, he was an awful grind,
  He studied night and day,
And gathered crumbs of every kind
  That lay in "learning's way".

But I, so ran my youthful dream,
  Went in for athletics,
And, while I played upon the team,
  Jack played with cold kinetics.

The story's told. I got my place,
  Jack ran the college papers.
He used up all the paper's space
  In writing up my capers.



33rd & de Tracks

In Twenty Years

A lot of things will have occured,
In twenty years from now.
How many wonders we'll have heard,
In twenty years from now.

No doubt we'll ride in flying cars,
We'll hold communion with the stars,
And spend our summer months in Mars,
In twenty years from now.

Trinkaus by some paradox,
In twenty years from now,
May root his loudest for the Sox,
In twenty years from now.

Who know that time will not confer,
On Borroughs the title, orator,
While Grodsky's talk may cause a stir,
In twenty years from now.

And Dietenbeck may cease to dream,
In twenty years from now,
And Bready's pictures be a scream,
In twenty years from now.

Will Compton's ponies win a race,
Or can they keep their present pace,
Will Jucker admire a colored face,
In twenty years from now.

Will Simmons love of books give out,
In twenty years from now,
Who knows that Schultze will be quite stout,
In twenty years from now.

Though stores of knowledge you'll amass,
And host of changes come to pass,
Let's hope you'll be the same old class,
In twenty years from now.



"A Study In Feet"

How Would They Look

"Pa" Phillips	Hurrying
Grossman	Telling the Truth
Trinkaus	Not dolled up
Brower	Without his pompadour
Jucker	Without his society pins
Sullivan	Being Serious
Dean Monin	Without his beard
Borroughs	Being grouchy
Lauletta	Attending church
Hook	With his hair mussed up
Knuepfer	Taking his time
Summerfield	A hundred pounds lighter
Wilcox	Wearing a low collar
Katzinger	On the side lines
Chipman	Angry
Rietz	Not being serious
Altman	Without his books and civil service questions
Porter	With all his hair
LeVally	Without a mustache

Freshman: Does Wilcox talk much when he plays golf?

Senior: Yes, but his conversation is mostly about persons I have been taught to hold sacred.

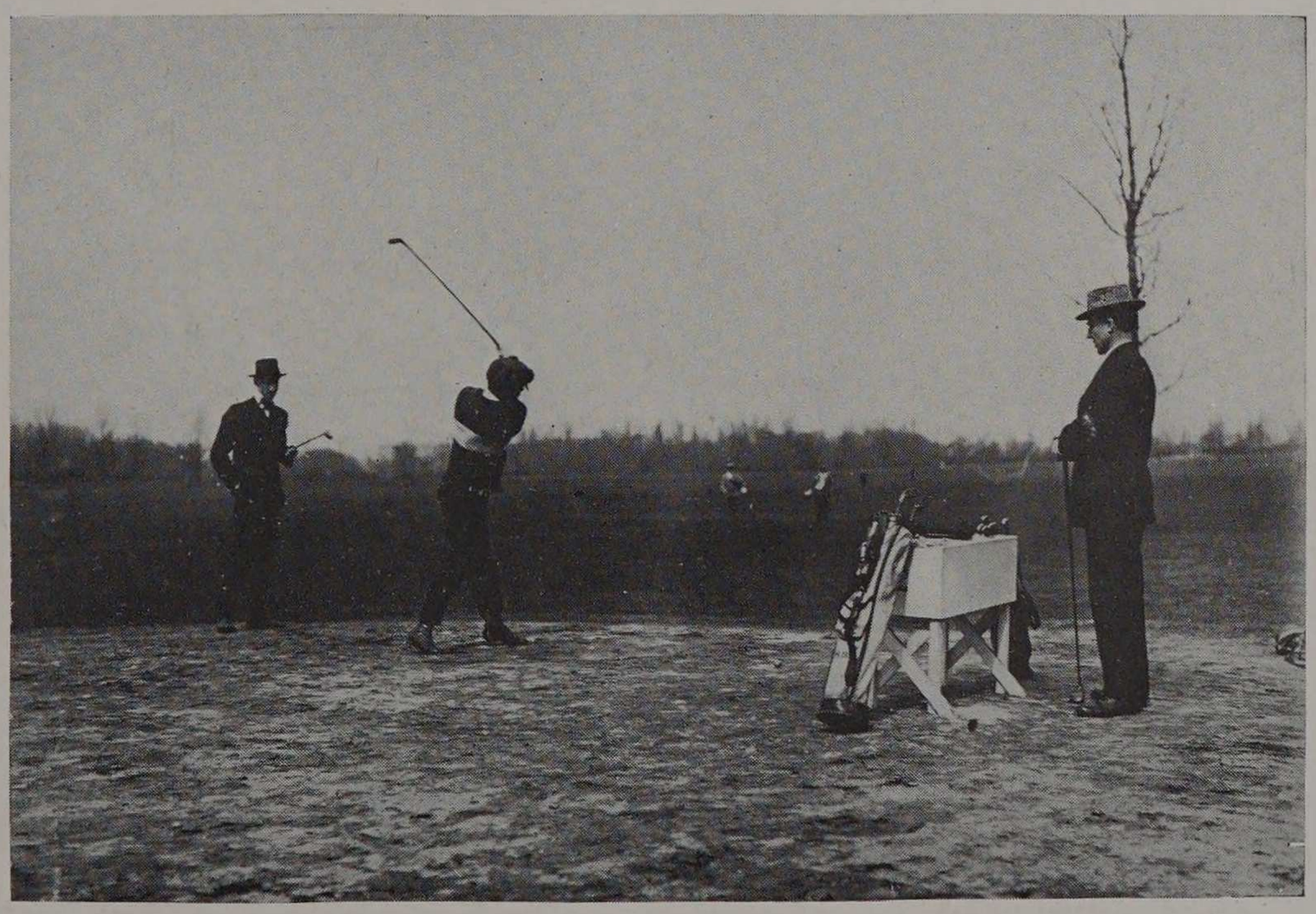
Good Astronomy

She: I wonder what becomes of the stars in the day time.

Marx (with grand opera experience): Well I know a lot of them that sleep till noon.

"Have you ever had any experience with children."
"No ma'am, I always worked in the best families."

GOLF ENTHUSIASTS



MAGUIRE WILCOX LEIGH

The Broken Fountain Pen

The race is run; my mission o're,
The virgin page I'll mar no more.
With winged point no more I'll trace
The fleeting words that leap apace,
Nor jumble ciphers at his will
On paper block, or better still,
On handy cuff, no more for me,
Save sweet and soothing memory.

It seems as yesterday, the ink
Again I feel within me shrink
And trickle through my slender throat,
As, guided by his hand, I wrote
His themes and exercises all.
Then came that memorable fall
When, plunging headlong to the floor,
My labors ceased; I write no more.

Alas! My sun of joy has set.
But, be it so, I'll ne'er forget
How oft I trembled at the touch
Of fevered fingers as he'd clutch
My frame, and nervously confide
That I must help him stem the tide
Of work undone. I say no more.
The race is run; my mission done.

Some Editor

Mac to Janitress: What became of that paper that was on my desk last night?

Janitress: Why, I threw it away.

Mac: You know it was not waste paper, I hadn't written anything on it yet.

ON CIRCUS DAY



"The Band"



Prof. Huntly: What is the quickest way to get to the hospital.

Rook: Get over near Dolan and holler "Three Cheers for Germany."

Mr. Penn had just finished a talk to the Seniors in which he advised an early marriage. Being ready to answer questions this one was put to him by a Senior. "Have you ever thought seriously of marriage?" to which Mr. Penn replied, "Yes, so seriously that I am still single."

Sieck: Everything is getting higher.

Laulete: Oh, I don't know. There's my opinion of you, your opinion of me and the Prof's opinion of us both.

Fashion Hints

Janitors should wear shaker flannels.
Architects to wear blouses with drawing strings.
Ladies hats to be trimmed with Skunk's fir. That's scensible.
Yeller will be the predominating color for infants.
Skin will be worn very close to the body by young ladies.
Bags at the knees will unpopular among the young men.

Coming Back

Sosna: I lost my head entirely yesterday when Pa Phillips had me reciting.

Sostheim: Don't you worry, it will be of no use to anyone, so you'll get it back.



Junior Play Scene

Letters of a Sophomore

Dear "Mac"

As I said I'd write you I will of course I couldnt do it sooner because I have been awful busy. Well we had registrashun day and they separated us from lots of coin. They say this is a charitable institooshun but that must be what Dean Monin calls a mental reservashun which is you say one thing and mean another.

We had to make out our daily programs & then go & see our profs & get put down in their books. It was awful hard for some to get there programs made out but I had no truble, Lots of fellows have 30 & 32 hours on their programs but I only got 20 & thats enuf I aint going to work my head off anyway I can do as much in 20 hours as these birds can in 30, You know me Mac, I guess I wasn't strong in that little old high school stuff Dean Monin asked me when I was going to make up some stuff that the Profs that dont like me failed me in last year, I told him I would when they got some new profs that knew something & that he shouldnt ought to worry about me that he had enuf to worry about in his offis, Then he asked to see my program which I showed him & he asked me if I was going to make Armour my permanent home & that I would'nt get thru in a 100 years at that rate, I guess he meant to be sarkastic but I'll show em you know me Mac:

You heard me speak about this guy Shomer that coaches the basket ball & base-ball team didnt you? well he came up to me & asked me if I was going out for the team this year I said no I wouldnt play on their old team anyway, He said that he might need a guy to do the rubbin down & I might get the job cause that didnt take any brains, I told him he didnt know no baseball & he showed poor judgement when he took my suit away last spring. You know he said he wanted it for a mascot cause the mascot had to stay on the bench & couldnt get out & loose the games like I could, He didnt give me no show I only played in one game & he got sore cause I struck out three times when men was on second & third & lost a fly which let in 2 runs but I cudnt help that everybody has bad days & any way I aint no Ty Cobb my position is on third base like you know Mac, I got sore at him & told him he wasnt such a much & I dont know what I'd a done if the bell hadn't rung just then & I had to go to class but he cant kid me.

We got a prof in Kinematies his name is Smith they call him Worlds Greatest cause his nitials is W. G. He has lots of jokes some are good the other day he told me I should ought to get a good mark cause it didn't take any brains to do the problems but you could do em by brute force everybody laffed but I cudent see the joke mebbe he was kidding me if he was he better look out cause Ill get him mebbe I ought to laffed too cause if you laff at their jokes you get a stand in with the profs but I dont need no stand in you know me Mac.

We'll mebbe have a exam in Phisics pretty soon all the fellows think it is hard but I dont it is easy but I think its foolish, We have about six (6) problems a week to hand in. I havn't done any so far but thats not my fault, I was goin to do em but I missed the first couple of times & the prof started to ball me out asked me where I thought I was in a kindergarten I guess you know I have out grew that kindergarten stuff. I got sore & thought I'll show you I wont do em eny at all so I have kep my word to myself, I kno this stuff & they cant fool me on eny exams.

Oh, I pretty near forgot there is about a dozen frats after me to join em, You

know frat is short for fraternity which is latin for brotherly love, A bunch of fellows get together & rent a house & live there, they have a cook & a piana & all that stuff & have lots of fun mebbe a pool table to. They have parties & dances & smokers all the time, Im goin to be careful which one I join cause I dont want to get in with the wrong bunch. I might get one where theres lots of profs cause then they got to show you brotherly love when they mark your exam papers, If the one I join has a pool table Ill show them guys some pool playin. I guess Im the poorest little Kelly pool player at home you know, Ill let you know which one I join. Tell Dad I'll be writin him soon cause I may need some money being short now. It costs an awful lot to live here I had to get some garters the other day you cant get the 10 cent kind here you have to pay 25 cents which is foolish I think & you cant ware rubber collars or 5 cent sox eether or the fellows would kid you, we get lots of war news here pretty near every day there is a telegram from Urope about battles I dont see how they do it.

I got a girl she is some swell kid on Wabash ave. where all the swells live & she is crazy about civil engineers says they have such a romantic life whatever that is.

There goes the bell I must go & hear Dr. Gunsaulus talk about Shakespeare who has benn dead over a 100 years we should worry. Will write soon agen & tell you about my girl & the frats she wants me to promise to let her wear my pin I dont know our English Prof told me I should aught to learn to spell before I came to college he said I never ought to have got out of the 8th grade but you know better than that he must have been kiddin me who ever heard of a fellow 21 years old in the 8th grade I didn't.

More about my girl next time & these profs better not get too gay you know me Mac.

J. C. D.



A Bunch of Civils



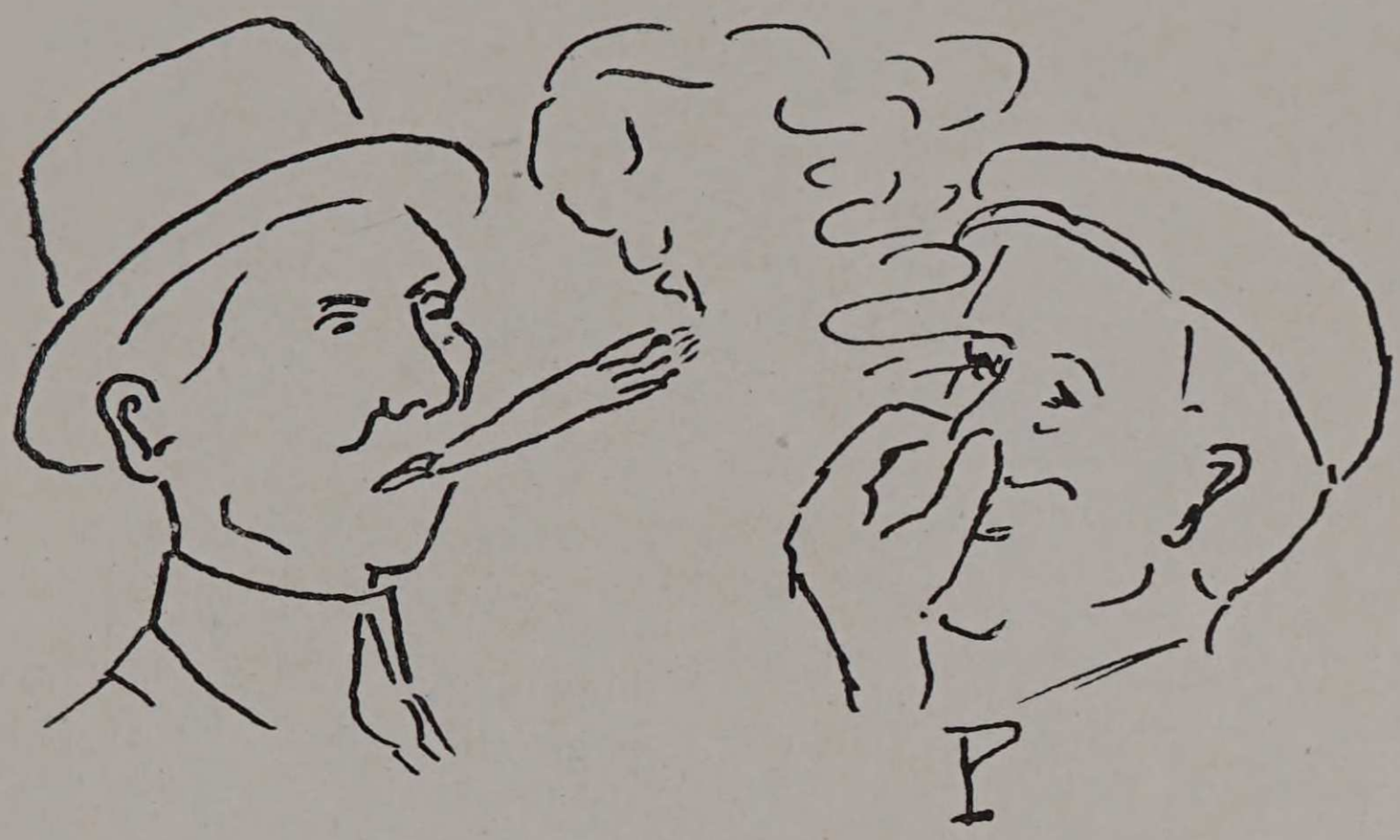
The Athlete

His first act on entering the world is to *bawl;* his whole career is spent on the *ball* field, and his last words are; "*Four balls*, I guess I start from home." His diet consisted solely of meat, and potato *balls*, his favorite flower is the *snow-ball*, and he never rode on a car without first inquiring whether it was *ball* bearing. Lets hear from him.

I was never possessed of a very large brain,
So instead I developed my brawn;
And the family declared my remarks were insane,
But I always developed my brawn.
So I toyed with the weights and parallel bars,
And, I hastened to hire a professor who spars,
While I boycotted drinks and the deadly cigars,
And I strove to develop my brawn.

So I practiced each game as much as I could,
And I quickly developed my brawn;
Be it football or golf, I was equally good,
For I always developed my brawn.
And at tennis a racquet I cleverly raised,
While my batting and fielding in baseball were praised;
And my rowing and running all enemies fazed;
For I developed my brawn.

So when I decided to college I'd go,
Since I'd always developed my brawn;
'Twas "Hail to our college; Thrice welcome;" you know
They had heard I'd developed my brawn.
And the girls made me pillows and helped me to pass.
My tuition was paid, I was seldom in class,
But I studied the rules of the new forward pass,
And I always developed my brawn.



Kiene: I'm smokin a terrible lot of cigars lately

Trinkaus: If that's one of them, I would say they are a terrible lot.

Well! Well!

A gay young Stude from Quebec,
His thirst for Gin Fiz couldn't check,
He loved it so well,
That now sad to tell,
The poor Stude's a Physical wreck.



Pa Phillips: "If I want to read your figures, Adams, I'd better make a requisition for a microscope."

In College Days

In college days how swiftly goes
The four brief years. One seldom knows
That they are gone until, behold!
We see the seniors smiling bold,
Bringing their short careers to close.

How free, how full, how fast all flows,
To see us now, one would suppose
The universe were round us rolled;
In college days.

O Vanity! The vision glows
With colors of the blushing rose,
And roses fade, We, too, grow old
And memories alone unfold
The joys that pen could not disclose;
In college days.



Pick out the Freshman



The Rooters Association

A mighty band of rooters we,

Who quite sustain the dignity

Of College land the gayest land on earth

Our banners floating in the air

Denote our hearts are free from care;

Whenever there's a battle we

Are in the bleachers merrily

Uproaring for the champions who claim us.

No matter if they win or lose

The loudest echo we abuse,

And give the cheer that made our college famous.

We never fight with sword or gun,

Or battle ships that weigh a ton;

And yet we soon surpress a rash attach.

For when the enemy we see

We summon our ferocity,

And led by cheer men quickly shout them back.

With leather lungs and megaphones

We bellow forth in clarion tones

The cheer that made our Alma Mater famous.

Some very old stories with new endings

Stung

He was a guide, old and grim, and he eyed the "tenderfoot" with disdain.

"So you've come out West to hunt?" he inquired.

"I have," replied the tenderfoot.

"Well, I'll guide you, if that's what you want," he said and looked the newcomer over from head to foot, taking in at a glance the fashionable hunting clothes, his natty guncase and the camera strapped on his back. "I guess I might as well take a chance now at getting shot as any time."

It was on the second day out that they spied their first deer. The guide pointed out the wary animal, and hastened to the shelter of a neighboring tree. The hunter took aim and his gun began slowly to describe a semicircle, until, to the guide's horror, it was almost on a level with the tree behind which he had hidden. There was a sharp report, and at almost the same instant, the guide felt a stinging sensation in the calf of his left leg. There was a wild yell from both the hunter and the Guide; the former tore up the hill in the direction in which he had fired, while the latter rolled over and over on the ground.

Yes, inquisitive reader, the hunter had shot the deer, but the guide was writhing in agony with a hornet's sting in his leg.



In Astromony

Hook: This neighborhood always reminds me of trigonometry,
Kneupper: Why?
Hook: Because I see so many *tan-gents*.
Can Kneupper see the joke? No of co-secant.

A stranger at the Junior Circus last year, seeing Bill Schultze asked him if he ever had dropsy. "No," said Bill, "what make you ask such a foolish quetsion."
"Why," replied the stranger, "If you had, I was going to say that you were the best cured man I ever saw."

Get a Club

Waiter: Are you a German?
Customer: No, but I'm Hungary.
Waiter: Then I cannot Serbia.

Freshman: Why does Broman make all those motion before he pitches?
Senior: Those are signals to his catcher, they work in concert.
Freshman: Oh, that must be the concert pitch, Prof, Smith was telling about in the Glee Club rehearsal last night.





Vaudeville

"Mac, where did ye get such a dhirrty face?"

"Begarry, Oi just washed mesilf in the basement toilet room".

"Can ye till me what the difference is betchune a dead Swede an a dead Oirish-man?"

"No, what's the difference?"

"Will, whin a Swede dies he's dead, but whin an Oirsihman dies they has to shtay up three nogiths to make shure he's dead."

"What is this eefishensy I hear so much about?"

"Eefishency is ut. Will if a geeny bruke his shuvul by leanin' on ut, he wuld be ineefishunt but if he bruk it by shuvellin' dhirt he wuld be eefishunt even tho they had to buy him a new shuvel.

The Pony

The pony is my helper; I shall not flunk.

He maketh me to sit quietly in mine own seat.

He leadeth me in the paths of diligent students for my grades sake; he restoreth my confidence.

Yea, though I walk thru the valley of hard exams., I will fear no Prof., for thou art ever in my pocket.

Thou helpest me thru integrations; thou comfortest me; thou preparest a paper before me, in the presence of mine enemy, the Prof.; thou brushest my pompadour with praise; my grades runneth high.

Surely, honor and good grades shall follow me all the days of my college life; for I will ride on the back of my pony forever.

Helen: Why I never could marry that man.

Hazel: Mercy! Why not?

Helen: Why he wears a wig, and then the dear creature took off a rat, some puffs, a coronet, a braid, a pompadour and a switch and sat down to read a novel.

SCENE—THE SHADES: TIME—1915

Personal—Cicero and Cataline.

Cicero: "Say Cat this Armour Institute is a pretty new thing."

Cataline: Right you are, Kick.

Cic: And they have gone so far as to throw out those four good old orations that gave you and me our rep.

Cat: Right again Kick.

Cic: You remember how I first delivered them, how the people melted and froze at my will; how in a voice of thunder, I proclaimed, O tempora!O Mares!senatus hacc intelligit, counsul videt.

Cat: Hastily—Oh yes, I remember it, as a speaker you were ex conspectu, only you never seemed to know it, (aside) I don't think.

Cic: Well Cat, old boy we've got to get up something new. Now you become a Chicago alderman, and I will—lets see—well, I will drop into the skin of a righteous Chicago politician.

Cat: What?

Cic: Well I know it will be hard to find him but why discourage a fellow at the start? Cat, as an inspiration you were always non compis mentis.

Cat: Well what next old man? CLAUDE your face and go on.

Cicero: Well I'll get up some new orations on the lines of the old. How soundeth this—Oh temperance; Oh Morality! "Harrison haec intellexit, Swietzer videt."

Cat: They do? Well they can see more than I can.

Cic: Well I did slip a little there, I admit. I guess I'll get down off my perch, and we'll go and tell Cez, that he better get out some new Commentaries.

(*Exeunt, arm in arm*)



"MATH. PROF. DIRECTING CLASS"

MY PART

If all were kings or sages grave,
Please whisper, sir, to me,
Where'd be our laughter and our song?
Where would our jesters be?

And so into this little book,
To coax a smile I'll try;
My task is but to play, the fool
And thus waylay a sigh.

Let others play their parts so sad
Upon this stage of life;
But let my part be comedy
With joy instead of strife.

MY LORD, THE CARRIAGE WAITS

"The carriage waits without, my lord."
"Without what, gentle sir?"
"Without the left hand running board,
Without the French Chauffeur,

Without a drop of gasoline,
Six nuts, a can of oil,
Four pinions and the limousine,
The spark plug and the coil.

Without the break, the horn, the clutch
Without the running gear,
One cylinder—It beats the Dutch
How much there isn't here!

The car has been repaired, in fact
And you may be right glad
To find there is so much intact
Of what your lordship had.

The garage sent it back, my lord,
In perfect shape throughout,
And so you'll understand, my lord,
Your carriage waits without.



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The use of CHICAGO-AA, and good sand and gravel, assure good concrete.

Chicago Portland Cement Co.

30 N. LaSalle Street CHICAGO

One Good Turn Deserves Another

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AS WE HEAR THEM

PORTER—"Well, I'll tell you, last year—

KNUEPFER—"Last year we had: let me see—"

LAULETTA—"I'll tell you, fellows—"

MARX—"Let's see that last one."

RIETZ—"How is the CYCLE coming?"

SIMMONS—"They don't do it that way on the north side."

DURANT—"Isn't she a doll?"

BOLTE—"Avaunt-Get thee behind me, Satan."

ECHLIN—"Haw! Haw! Haw!"

GRASSE—"We will have order."

? ? ?—"Let the lights be omitted."

HILLOCK—"Well, I ought to know."

McHUGH—"Well ugh, you see ugh, ugh—"

O'GRADY—"Hello, "Pit."

OTT—"My schedule won't allow it."

ROOK—"It's easy to get advertising."

SOSNA—"What did you get for this, Sostheim?"

SULLIVAN—"I wish you fellows would come out for the track team."

BRUCE—"I got that baby of the nose."

FRITZE—"Let that drum alone."

HAHN—"Let's go and have a smoke, Doyle."

BYANSKAS—"Did you want to see me?"

ALTMAN—"Well um ah ugh ugh ah well ah ah—

JUCKER—"Want a ticket for—"

DEITENBECK—"In the old country—. "Yes, it's nice to be married."

? ? ?—"Let the screen be unemployed."

WARD—"Let's take the boat out."

ALTER—"I'll see what Katzinger is going to do."

ARMSTRONG—"Is there any Cycle dope to typewrite, Mac?"

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SOME VERY OLD STORIES WITH NEW ENDINGS

A Summer Idyl

They stood side by side on the banks of a stream. The man was a typical city fisherman, equipped with all that was new and improved in the line of fishing apparatus. The boy, on the other hand, was a typical country lad of about twelve summers, and an even dozen of each of the other seasons. He balanced in his hand a long willow branch to which was attached a piece of pack thread and a rusty fish-hook.

They had been fishing some time when the man turned to the boy and said, That's a fine outfit you have there, Isaac."

"My name is William," corrected the boy.

"Oh, I beg your pardon," laughed the man, "I thought it was Isaac Walton. Honestly, sonny, do you expect to catch anything with that arrangement?"

"Well, I usually gets something," answered the boy confidently.

There was another deep silence which was broken by the flapping of a perch which the boy pulled from the water, much to the surprise of the fisherman. 'Twas late in the afternoon when the illmated pair pulled their lines from the water for the last time, and when they started for home, the boy—please don't interrupt, impatient reader—had twenty five fish less than the man.

An Example of the Yellow Peril

"I am sorry, sir," said the Japanese shopkeeper, and his eye lighted with a curious gleam, "but I cannot sell you that dagger."

"But," persisted the curio hunter, turning the ivory handled dagger over in his hand, "I want it very much; more than I care to say, and I am willing to pay you proportionately.

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"I cannot sell it," replied the Jap.

"Then why can't you?" inquired the hunter with some impatience. "There must be something besides monetary value attached to it."

"There is," replied the Jap, "and since you have shown such an interest in it, I will tell you. That is the dagger which I found buried deep in the body of my brother, when we lay encamped on the shores of the Yula," and forthwith he proceeded to pour into the ear of the curio hunter a tale which had the dagger for its central subject, so weird, so fantastic and so filled with oriental superstition that at its close the hunter sat bound in silence.

Presently he said, "Your tale has added to my desire for the dagger. I'll give you twenty five dollars for it."

"I cannot sell it," replied the Jap.

"I'll give you fifty."

The Jap shook his head.

"I'll give you one hundred dollars, but not one cent more."

The Jap's narrow eyes grew even narrower than before, and he said, "Sir, you have been my patron, take it, the dagger of my fathers is yours."

As the door of the shop closed behind the curio hunter, the Jap called to his assistant, "John, order another dozen of those pearl handled daggers when the agent calls again. I just sold the last one for one hundred dollars."

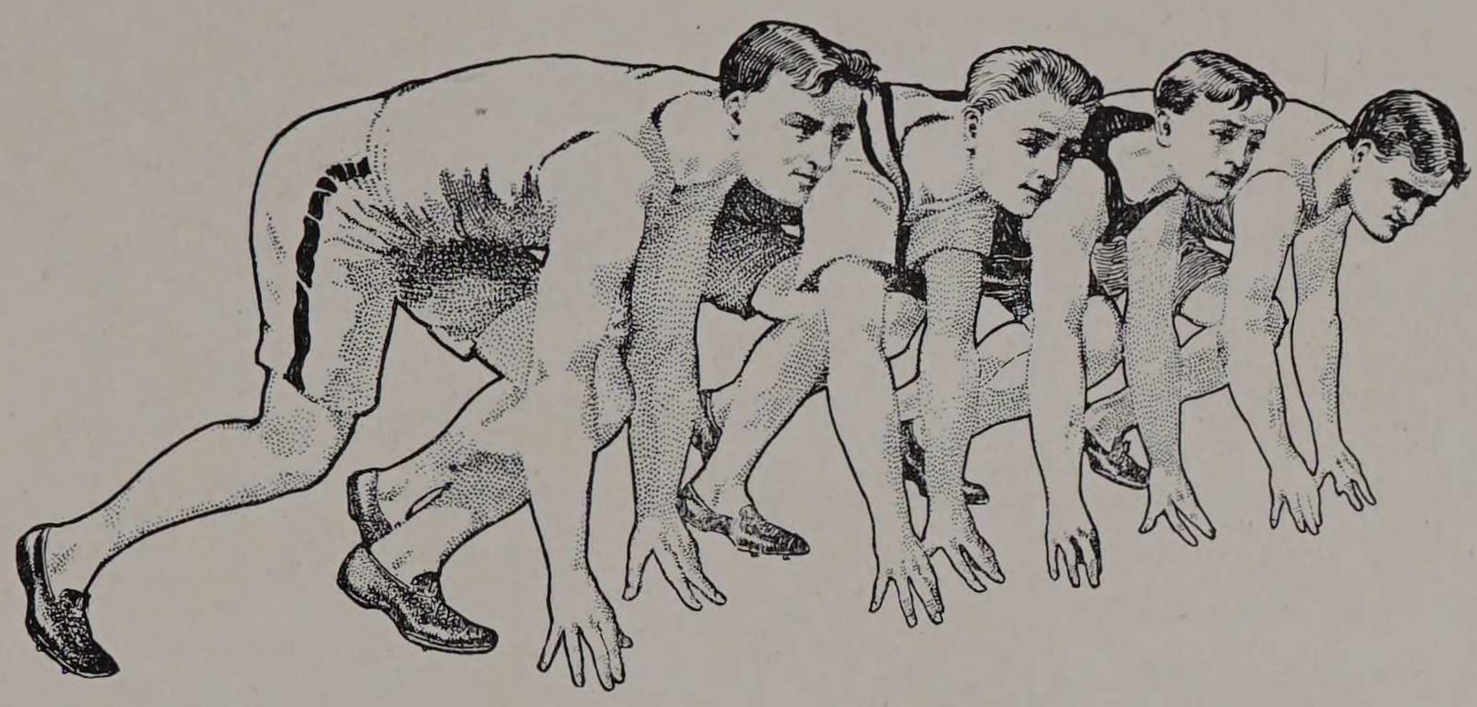
LOST A GAME

I thought one day
To while away
The hours, I'd play
The game of love.

My partner rare
I chose with care;
Ah, she was fair
As turtle dove.

With diamond ring
Her heart I'd bring;
I'd be her king,
My queen so fair.

But, alack a day
She turns away,
I find I play
At solitaire.



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are necessary—for your success—in school or out. Make it your rule to drink frequently and regularly

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The Army of God-Knows Where

No bands are playing gaily when they're going into action
No crowds are cheering madly at their deeds of derring-do;
They are owing small allegiance to any flag or faction—
Their colors on the sky-line and their war cry, "Put it through"

Ahead of bath and Bible and of late repeating rifle,
The flags can only follow to the starting of their trail;
They heard the leagues behind them, every mile the merest trifle;
They mark the paths of safety for the slower sail and rail.

Their standards kiss the breezes from the Arctic's cooling ices
To where the South Pole's poking out its undiscovered head;
You can see their chains a-snaking through the lands of rum and spices—
And East and West you'll always find unrepining dead.

No time for love and laughter, with their rods upon their shoulders,
No time to think with vain regret of home or passing friends,
They are slipping down the chasms, charging up the mighty bowlders,
The compass stops from overwork; the pathway never ends.

They slit the gullet of the earth; disgorge its hoarded riches
(But life's too short for them to stop and snatch a rightful share);
They've a booking on the Congo putting in some water ditches;
A Dating to take tea with death; they make it by a hair!

You will find their pickets watching in the unexpected places;
You will hear them talking freely of The-Things-that-Can't-Be-Done;
Oh, the Faith they speak so strongly and Hope that's in their faces—
It lights the gloom of What's-the-Use as brightly as the sun!

No bands are playing gaily and no crowds are madly cheering;
No telegraph behind them tells their deeds of derring-do;
But forward goes the legion, never doubting, never fearing—
Their colors on the sky-line and their war cry, "Put it through"!

—Bohemian Magazine

ALFRED NOYES DAMON

Continental and Commercial National Bank
of Chicago

Capital, Surplus Profits $33,000,000

OFFICERS

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Alex. Robertson,	V.-Pres't	Geo. B. Smith,	Ass't Cashier
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Capital, Surplus Profits $5,000,000

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Frank H. Jones,	Secretary	Albert S. Martin	Ass't Cashier

The Hibernian Banking Association

Capital, Surplus Profits $3,000,000

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Louis B. Clarke,	Vice-President	George Allan,	Ass't Cashier
Frederic S. Hebard,	Cashier	Thos. E. McGrath,	Ass't Cashier

Combined Resources of these Affiliated Banks Over $250,000,000

Letters of a Sophomore

Dear Mac:—Thru the kindness of Uncle Sam, I received your letter three days late. I don't see how I got it then the male man sed they had to get a detectif to make out for who it was ment. I kno you never went to college & haven't had no advantages but anyway you ought to kno how to write. Mebby you'll learn tho.

Well we had the Freshman Handshake, they call it that because it is for the Freshmen to get acquainted at. It is run by the Y. M. C. A. & is like all of their affairs, nothin to drink but coffee. One fellow got too well acquainted with a freshman & got a bloody nose for his friendliness. I tried to hit the freshman, but I couldn't get clost enuf to him. This was all after the handshake which the whole thing wasn't much of an affair.

They have been having the class baseball serious but they wouldn't let me play they said our class could win without me but they didn't know what to do if I played. They sed mebbe they'd never finish a game on account of the other side taking so long to add up their runs. Well I shud worry, mebbe some day when I'm playing with the Sox they'll want to get in free but I won't even give em a pass to the bleechers. I'd rather be a baseball player than an engineer anyway all you have to do is put on a flannel shirt an a pair of cordoray pants and a pair of high top lace boots and people will think your an engineer & thats all the engineers some of them is anyway & all the only college they ever went thru was an inspection trip they went thru one which is even an advantage which some hasn't got. Some fellows live in a small town where there aint no college & they don't know what a college building looks like. I saw one burned down once that was the best looking college building I ever saw.

But to be a baseball player you have to deliver the goods once in a while & you have lots of friends to buy you stuff & all you do is have a good time. I thought I'd have something to tell you about my girl in this letter but all I can tell you is that I ain't got none no more and I am glad of it. All they are is an expense & they

Armour
Institute of Technology
Chicago

Courses offered in

MECHANICAL ENGINEERING, ELECTRICAL ENGINEERING
CHEMICAL ENGINEERING, FIRE PROTECTION ENGINEERING
CIVIL ENGINEERING, INDUSTRIAL ARTS,
AND ARCHITECTURE

These courses are each four years in length and lead to
the Degree of Bachelor of Science

COMPLETELY EQUIPPED SHOPS
AND LABORATORIES

The Institute Bulletins will be sent upon Application

flirt & run around with other guys, so I'm thru with all of em. I guess I won't live long enuf to git one steady and marry her. So from my experience, my advice to you is to stay away from them I know cuz I have had one. They may be alright for decorations but some of them make even poor decorations as well as expensive ones.

We had a quiz in Physics & I got a passing mark which is a whole lot more than some of the other fellows got, I know what an atomizer is cuz that girl I had kept perfume in one with a rubber bulb which you can squeeze and out comes perfume & I know they don't weight the earth with that like one fellow sed. I'm doin fine in kinematics like the Prof. said I ought. We are goin to have a track meet soon and a smoker & I'll write you about them.

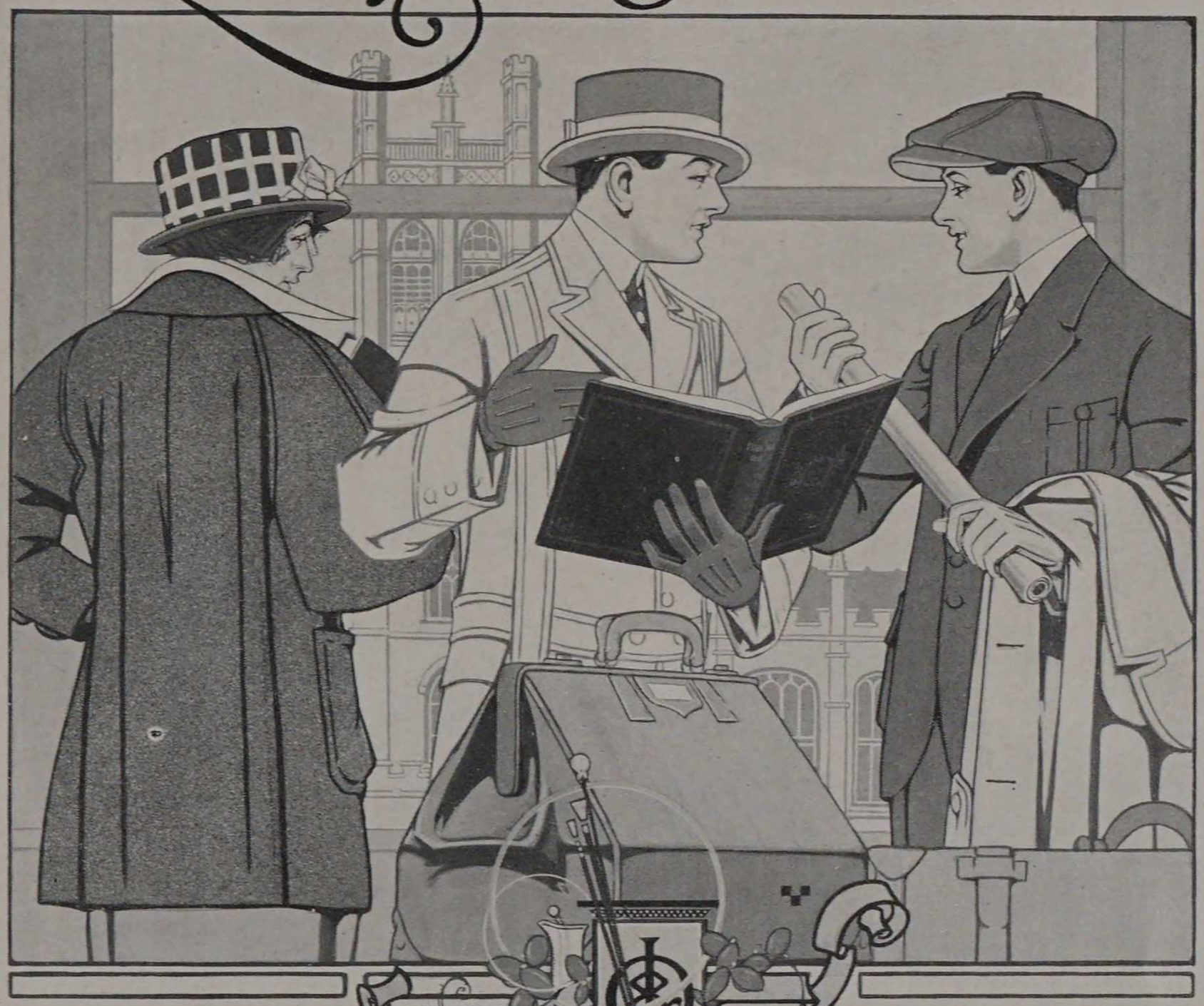
I am pleged to a frat & don't have much time to rite I have to quit now and wash windows which is about all a plege does and beat carpets.

Yours, "RUBE"

Sophomore: How can I keep my toe from going to sleep?
Senior: Don't let them turn in.

Thus spoke a grizzeled old colnel,
Whose highball was semi-dialonel,
Alcohol so they say, makes a good rub down—It may,
But for me I prefer it intolonel.

Quality College Illustrations



Quality Art

The same exceptional skill is displayed in "J. & O." College art work and designing as appears in their high grade commercial book.

250 Skilled Artisans

Quality Plates

All "J. & O." College plates are carefully **re-etched;** that is why they print better than others. They are also delivered **on time.**

Day and Night Service

Jahn & Ollier Engraving Co.

CHICAGO

Atlanta Davenport Des Moines Minneapolis South Bend

EXCELSIOR

(*Apologies to Henry W. Longfellow*)

The shades of night were falling fast,
When home the lamp shade came at last,
Which I had bought that very day
In town, packed in a sort of hay—
Excelsior.

My brow was sad when I beheld,
To what a size the shade had swelled;
For surely, if it were not such,
They'd never, never need so much.
Excelsior.

I bore the package to my room
For how could I forsee my doom?
I pushed the desk and table back,
And slowly started to unpack
Excelsior.

I burrowed deep and downward dug
Until I'd covered all my rug
I spread it there upon the floor,
But still I pulled out more and more
Excelsior.

"It cannot be" I said at last,
"That in my rush the shade I've passed"
But though the lamp shade I may miss,
I know I never ordered this
Excelsior.



OWL CEMENT

ASK THE MAN THAT USES IT!

E. L. Cox, G. S. A.

1423 to 1428 Marquette Building

CHICAGO

Schulze's

BUTTER-NUT BREAD

Don't accept an Imitation

OKONITE
TRADE MARK
REG. U.S. PAT. OFFICE

ALEXALITE
TRADE MARK
PATENT APPLIED FOR

Central Electric Company

The House of Service

320-326 South Fifth Avenue

CHICAGO

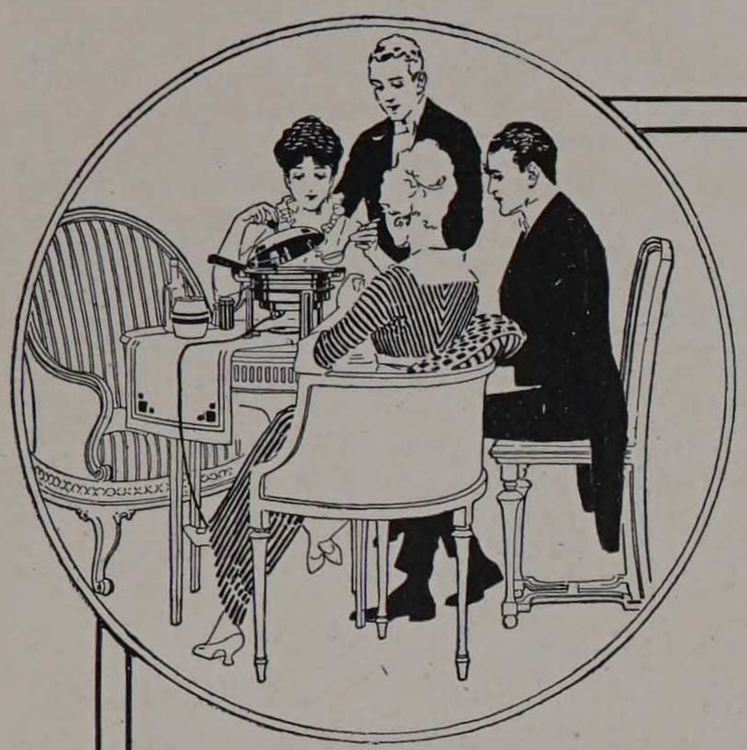
Electrical Supplies and Apparatus

Automobile Supplies and Lighting Fixtures

Then it began to fill the air,
The desk the table—every where.
It reached the ceiling, blocked the door,
And yet their still remained some more
Excelsior.

Next morning I, of course was missed,
And with the shade clasped in my fist,
With hay below and hay above,
They found me in a mountain of
Excelsior,

Now when I order anything,
A picture or a vase or ring,
I always tell them at the store
To please omit a ton or more
Excelsior.



Second Helpings Usually Signify That the Cooking is Excellent

The Electric Chafing Dish

is the best and most popular means of preparing those delectable delicacies that gladden the guests and play such an important part in the hospitality of the hostess. Many beautiful designs are shown here.

FROM the attractive display of Things Electrical at this Shop you can select a gift appropriate for any occasion.

Electric
—PERCOLATORS
—TOASTERS
—GRILLS
—SAMOVARS
—LAMPS

ELECTRIC SHOP

JACKSON AND MICHIGAN BOULEVARDS

460-A

Purchasing an UNDERWOOD TYPEWRITER
means
A SATISFIED OPERATOR
A PLEASED EMPLOYER
A SHORTER DAY



The Machine You Will Eventually Buy

Underwood Typewriter Company

Powers Block Chicago

ARMOUR

O thou, most like Athens old,
That leaped full grown from Zeus' high brain!
O, thou, new born, who yet dost hold
Such truth as never shall again
Impatient wait a sovereigns reign!
O, thou, that bravest the Western air—
That bold, free West, yet not more bold
Than thy fair self, who thus canst dare!
Hail! All hail! Forever hail!
When power born not of love shall fail,
Shall not thy name be reverenced still?
And, thou most like Athens, say!
Hopest thou beneath thy watchful eyes
To see another Athens rise?
Hopest not to see the strong "I will"
That made one empire in a day,
Yet hold a second nobler sway.

Green Chain Grate Strokers
Geco Flat Hanging Ignition Arches
Geco Pressure Waterbacks
Geco Pneumatic Ash Handling Systems
Geco Steam Jet Ash Conveyors

GREEN ENGINEERING CO.

28 East Jackson St., Chicago, Ill.

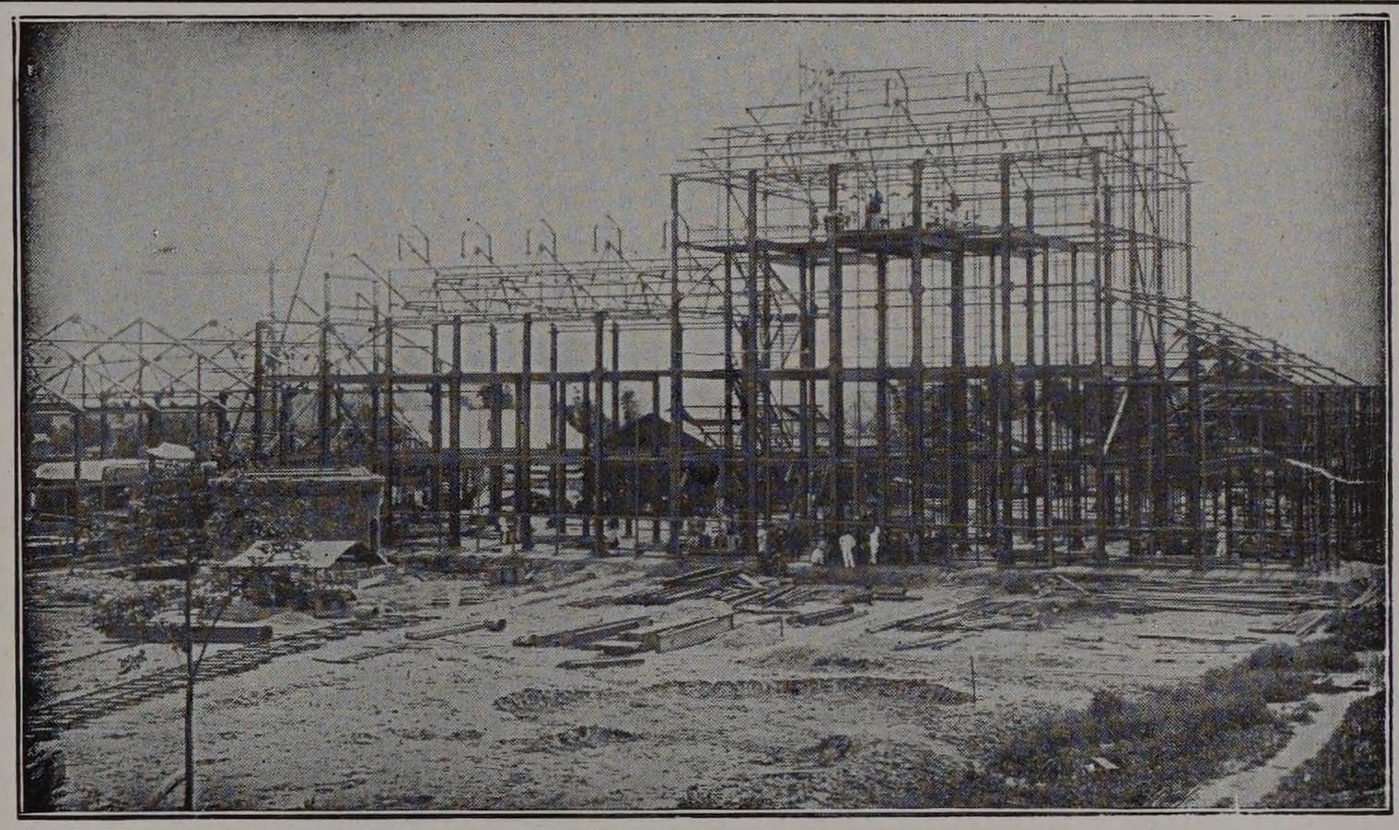
150 Plants in the City of Chicago Equipped with our Apparatus.

PAUL WILLIS, Pres. & Treas. A. J. T. BENNETT, Secy. & Engr.

KENWOOD BRIDGE CO.

OFFICE: *1414-15-16 First National Bank Bldg., Chicago*
WORKS: *Grand Crossing, Ill.*

Engineers and Builders of Structural Steel Work



ROOFS, BRIDGES, COLUMNS AND GIRDERS, STEEL MILL BUILDINGS A SPECIALTY. WATER TOWERS. — DESIGNS AND ESTIMATES FURNISHED

S. B. Chapin & Co.

Stocks and Bonds

ROOKERY BUILDING
209 S. LaSalle St.
CHICAGO

TRINITY BUILDING
111 Broadway
NEW YORK

Washington married the Widow Curtis and in time became the father of his Country.

We love our mighty Washington, Who gave our nation birth;
We praise the mighty man who showed, Our infant land its worth.
'Twas Jefferson who taught our race, The blessings won in peace,
'Twas "Honest Abe" who showed us how, The civil war might cease.

Give honor then where honors due; And praise the heroes worth
Who taught us how to take our stand, Midst nations of the earth,
But when about the banquet board, Good fellows gaily meet,
Lets praise the clever man who taught, The nation how to eat.

'Twas Edison showed us how, Electric cars should go;
And Fulton made the boats that still, Are running to St. Joe
'Twas Carnegie who taught us all, The uses of the book,
But blessing on the man who learned, The uses of a cook.

Give honor then where honors due; Promote these heroes fame:
From Hamilton to Wilson, We'll cheer their deathless name
But when they serve the roasted squab, And o'er it friends we greet,
Lets cheer the modest man who taught, The nation how to eat.

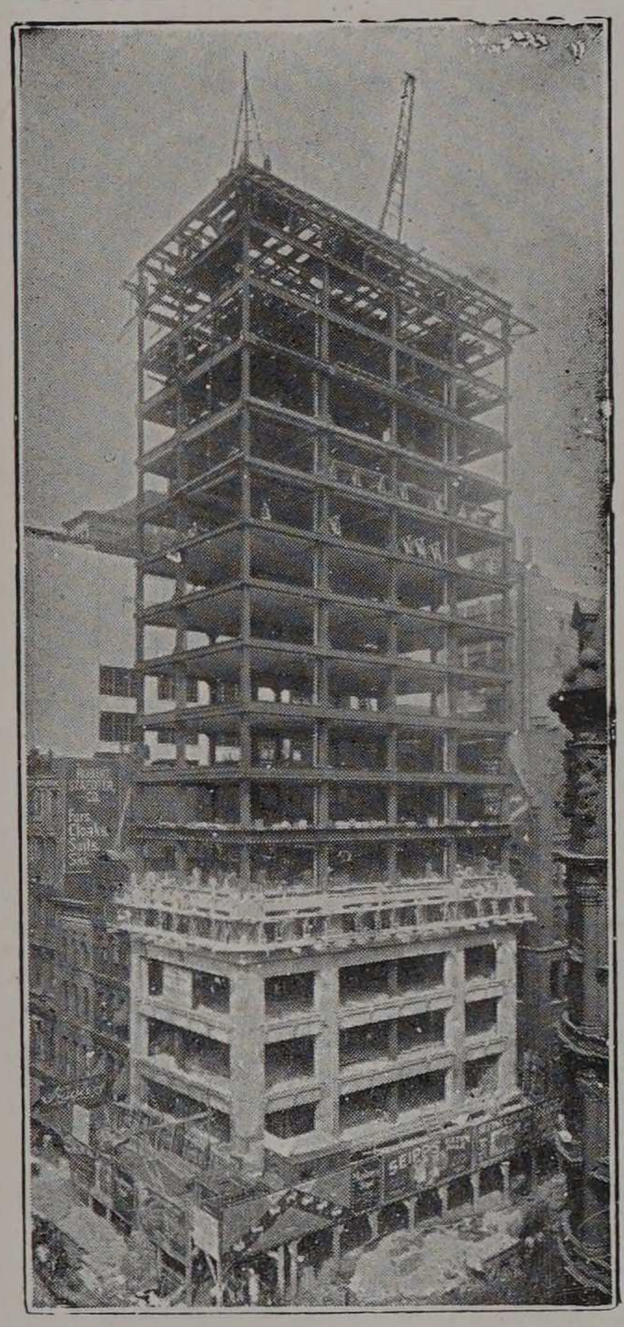
Building for the Future

Let Marquette Portland Cement help, when you are building for the future; its superior quality means a great deal to you and every other engineer.

There's a green guaranty tag on every bag; it certifies the superior quality of Marquette Portland Cement. Every bag of Marquette Portland Cement is tested; it conforms to Standard and Government Specifications. Our book "Building for the Future", is conclusive proof of Marquette superiority; send for your copy today.

Marquette Cement Manufacturing Co.

Marquette Bldg. Chicago, Ill.



Hansell-Elcock Company

Structural Steel and Iron Works

Archer Ave. and 23rd Place
CHICAGO

E. R. MOORE COMPANY

Makers of
COLLEGIATE CAPS, GOWNS and HOODS
JUDICIAL, CLERICAL, BAPTISMAL AND CHOIR GOWNS

Originators of
MOORE'S OFFICIAL HIGH SCHOOL CAP AND GOWN
RENTING OF CAPS AND GOWNS TO GRADUATING CLASSES A SPECIALTY

932 to 938 Dakin Street
CHICAGO

THINGS I NEVER SAW

I've travelled rather freely in my day you'll all agree
I've been to many lands and climes both here and cross the sea
And although I've seen all sorts of things allowable by law
I could fill eleven volumes with the things I never saw.

I've never seen a college that disliked its football stars
Nor a wife who really threatened, "to go home at once to 'maws."
An uncrowded trolley or Chicago street that's clean,
May be mentioned in the weighty list of things I've never seen.

I have searched with ceaseless effort for a city without graft,
And I never saw why statesmanship is mentioned as a craft.
I never saw a millionaire from advertising shrink;
Nor a college funny paper that omitted jokes on drink.

I have never seen a magazine that didn't carry ads.,
I have never seen a summer but it had its crop of fads.
And a year when all Chicago fans were crazy 'bout McGraw,
May be mentioned in the mighty list of things I never saw.

Rogers Printing Company

939 National Life Building
Chicago
Plant: Dixon, Illinois

Printers of the
1915 Cycle

We Specialize in School Advertising and Student Publications

GOOD NIGHT

We'd like to sing a parting song,
In which each line is new,
But somehow that seems almost wrong,
It doesn't ring quite true.
The same old thought must fill our mind,
Which partings ever bring,
So should we seek another kind,
Through vanity, to sing?

Good night, old comrades, just good night,
Let no one say, good bye,
Good night, old comrades, just good night,
God speed us all, we cry.
We know that from us some are drawn,
The morrow finds a number gone,
Yet let us play we'll meet at dawn,
Good night, old friends Good night.

Before us lie the paths of life,
A thousand winding ways;
To some it means a road of strife,
God guide their troubled days.
But comrades all may friendship hand
Sustain each weary soul,
Until we meet a loyal band,
Around the final Goal.

Good night, old comrades, just good night;
We will not say good bye,
Good night, old comrades just good night;
Though parting may be nigh.
Lets say that none shall be withdrawn;
That years will find no comrades gone,
Lets swear that all shall meet at dawn
Good night, old friends, good night.

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GOOD BYE

